

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057613.D
 Acq On : 31 Aug 2019 14:01
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:51:57 AM

Quant Time: Aug 31 15:24:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	193289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	133112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	221835	61.47	ug/l	0.00
Spiked Amount						
			Recovery	=	122.94%	
35) Dibromofluoromethane	7.58	113	144039	61.77	ug/l	0.00
Spiked Amount						
			Recovery	=	123.54%	
50) Toluene-d8	10.08	98	564079	63.97	ug/l	0.00
Spiked Amount						
			Recovery	=	127.94%	
62) 4-Bromofluorobenzene	12.40	95	204839	67.27	ug/l	0.00
Spiked Amount						
			Recovery	=	134.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	157845	64.933	ug/l	100
3) Chloromethane	2.05	50	181967	54.109	ug/l	100
4) Vinyl Chloride	2.18	62	139445	36.695	ug/l	100
5) Bromomethane	2.51	94	83395	35.803	ug/l	100
6) Chloroethane	2.67	64	78834	32.534	ug/l	100
7) Trichlorofluoromethane	3.00	101	199717	33.979	ug/l	100
8) Diethyl Ether	3.40	74	64609	29.459	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	99056	30.651	ug/l	100
10) Methyl Iodide	3.92	142	137069	53.417	ug/l	100
11) Tert butyl alcohol	4.81	59	114086	261.860	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89813	29.086	ug/l	100
13) Acrolein	3.59	56	42596	127.789	ug/l	100
14) Allyl chloride	4.29	41	282909	56.680	ug/l	100
15) Acrylonitrile	4.97	53	355355	297.721	ug/l	100
16) Acetone	3.81	43	315133	196.241	ug/l	100
17) Carbon Disulfide	4.02	76	296116	46.854	ug/l	100
18) Methyl Acetate	4.31	43	198553	47.726	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	473640	56.967	ug/l	100
20) Methylene Chloride	4.53	84	153434	57.058	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	136721	56.247	ug/l	100
22) Diisopropyl ether	5.94	45	596471	60.515	ug/l	100
23) Vinyl Acetate	5.88	43	2420074	311.951	ug/l	100
24) 1,1-Dichloroethane	5.82	63	296128	57.210	ug/l	100
25) 2-Butanone	6.83	43	533675	298.341	ug/l	100
26) 2,2-Dichloropropane	6.81	77	238805	53.843	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	161124	56.111	ug/l	100
28) Bromochloromethane	7.18	49	154029	56.468	ug/l	100
29) Tetrahydrofuran	7.20	42	328831	282.926	ug/l	100
30) Chloroform	7.36	83	294406	54.760	ug/l	100
31) Cyclohexane	7.63	56	283794	56.541	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	244442	55.435	ug/l	100
36) 1,1-Dichloropropene	7.78	75	218892	62.106	ug/l	100
37) Ethyl Acetate	6.92	43	214153	61.872	ug/l	100
38) Carbon Tetrachloride	7.76	117	196245	57.300	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261977	62.761	ug/l	100
40) Benzene	8.03	78	636423	60.590	ug/l	100
41) Methacrylonitrile	7.16	41	107882	64.219	ug/l	100
42) 1,2-Dichloroethane	8.11	62	260839	63.565	ug/l	100
43) Isopropyl Acetate	8.16	43	387174	61.092	ug/l	100
44) Trichloroethene	8.82	130	142205	60.879	ug/l	100
45) 1,2-Dichloropropane	9.11	63	176709	59.760	ug/l	100
46) Dibromomethane	9.20	93	109178	58.152	ug/l	100
47) Bromodichloromethane	9.40	83	230799	59.309	ug/l	100
48) Methyl methacrylate	9.19	41	195799	64.264	ug/l	100
49) 1,4-Dioxane	9.20	88	42972	1118.611	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1147021	321.399	ug/l	100
52) Toluene	10.15	92	384254	63.149	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238613	58.837	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	265164	58.600	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	145894	59.726	ug/l	100
56) Ethyl methacrylate	10.43	69	243428	63.112	ug/l	100
57) 1,3-Dichloropropane	10.70	76	267383	62.511	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	345034	368.519	ug/l	100
59) 2-Hexanone	10.75	43	809919	329.036	ug/l	100
60) Dibromochloromethane	10.90	129	146252	57.428	ug/l	100
61) 1,2-Dibromoethane	11.00	107	146466	61.290	ug/l	100
64) Tetrachloroethene	10.63	164	133420	59.935	ug/l	100
65) Chlorobenzene	11.43	112	384480	59.912	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	133881	55.475	ug/l	100
67) Ethyl Benzene	11.51	91	769529	61.854	ug/l	100
68) m/p-Xylenes	11.62	106	535784	126.678	ug/l	100
69) o-Xylene	11.95	106	259610	62.205	ug/l	100
70) Styrene	11.96	104	438705	65.871	ug/l	100
71) Bromoform	12.13	173	87798	54.427	ug/l #	100
73) Isopropylbenzene	12.25	105	722256	47.360	ug/l	100
74) N-amyl acetate	12.07	43	337040	48.134	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	207559	46.384	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	180523m	51.627	ug/l	
77) Bromobenzene	12.53	156	154627	50.663	ug/l	100
78) n-propylbenzene	12.59	91	818958	50.486	ug/l	100
79) 2-Chlorotoluene	12.67	91	504042	51.834	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	609477	50.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54280	41.768	ug/l	100
82) 4-Chlorotoluene	12.77	91	490446	52.868	ug/l	100
83) tert-Butylbenzene	12.99	119	504701	47.191	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	584446	54.712	ug/l	100
85) sec-Butylbenzene	13.17	105	683652	52.022	ug/l	100
86) p-Isopropyltoluene	13.29	119	567546	53.004	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	247742	55.588	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	232590	53.661	ug/l	100
89) n-Butylbenzene	13.62	91	506819	55.701	ug/l	100
90) Hexachloroethane	13.88	117	97454	40.585	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	241613	56.714	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32086	44.906	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84271	54.072	ug/l	100
94) Hexachlorobutadiene	15.01	225	76324	56.418	ug/l	100
95) Naphthalene	15.13	128	263844	51.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	88277	53.962	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

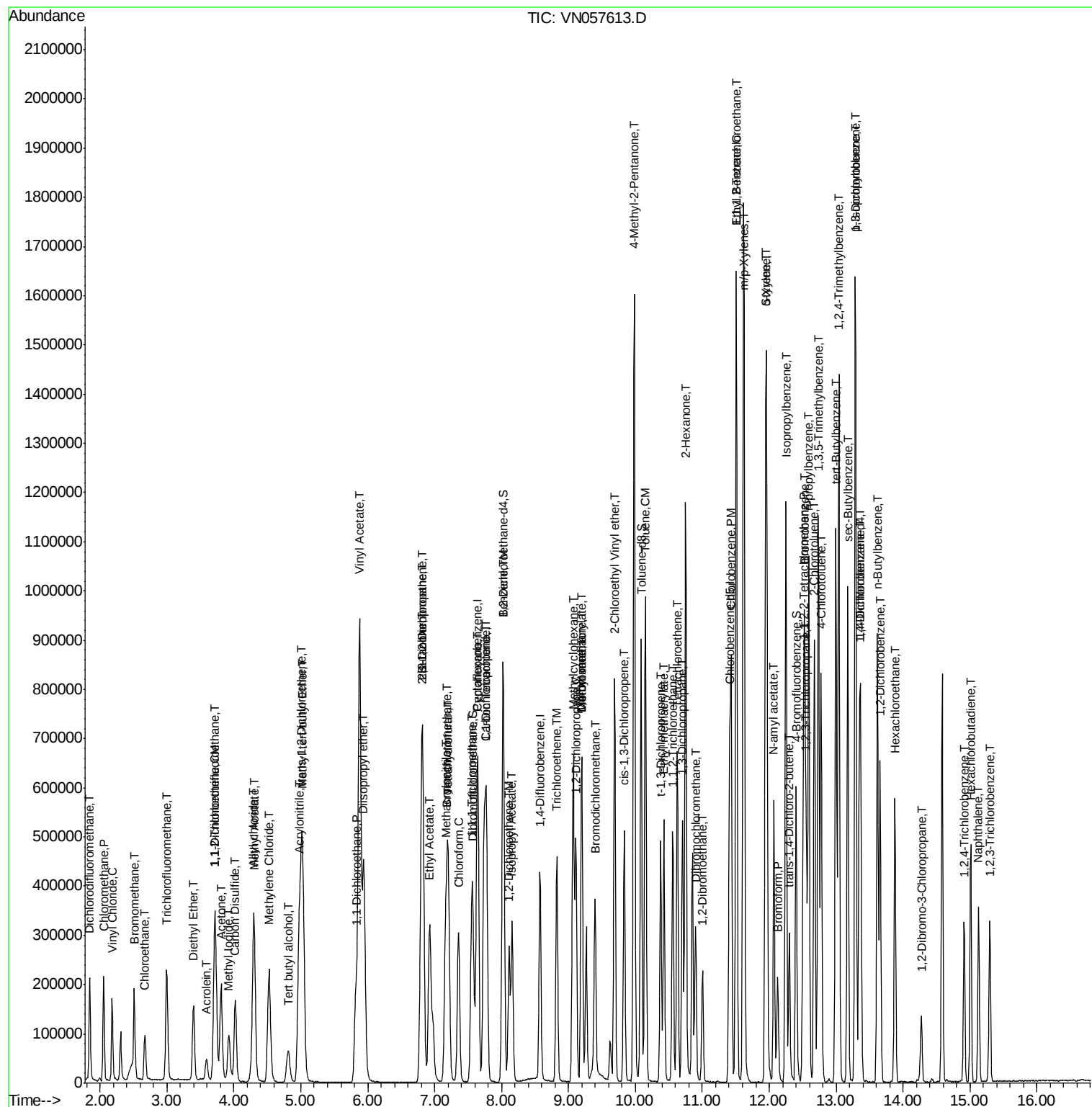
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Data File : VN057613.D
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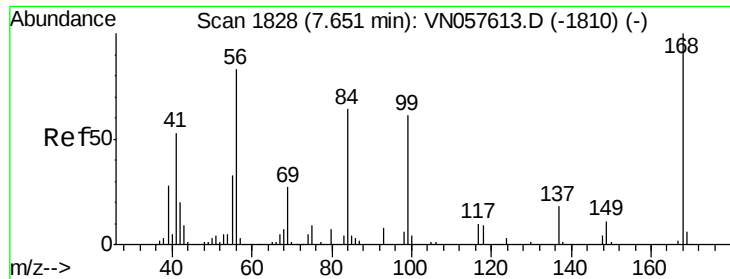
Instrument :
MSVOA_N
Client Sampled :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 193289

Ion Ratio Lower Upper

168 100

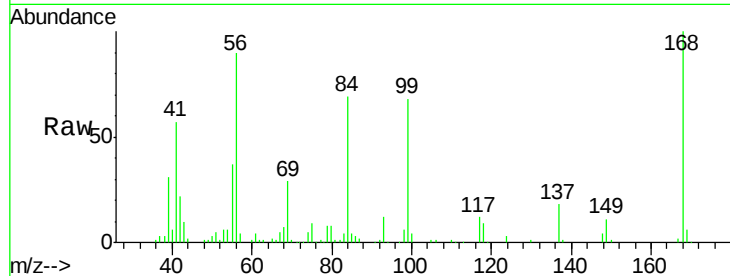
99 67.7 54.2 81.2

Manual Integrations

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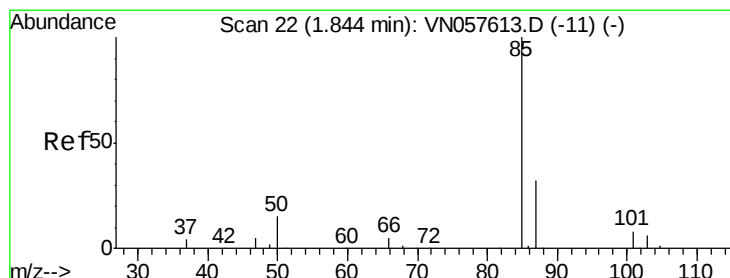
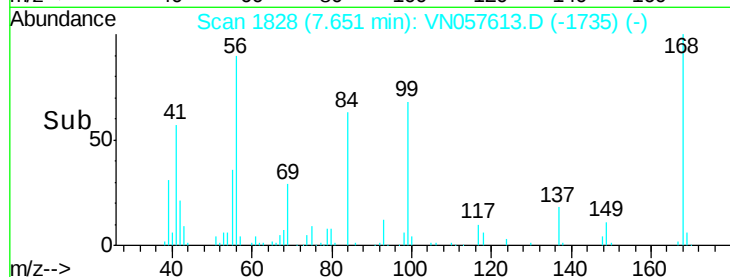
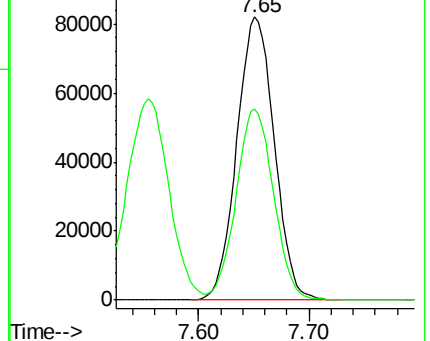
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 64.933 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN057613.D

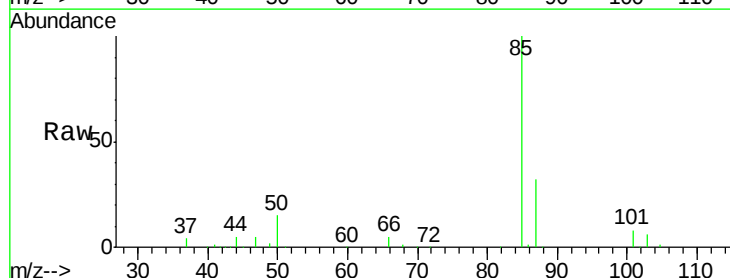
Acq: 31 Aug 2019 14:01

Tgt Ion: 85 Resp: 157845

Ion Ratio Lower Upper

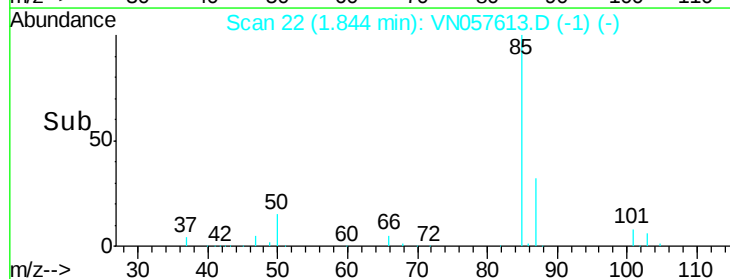
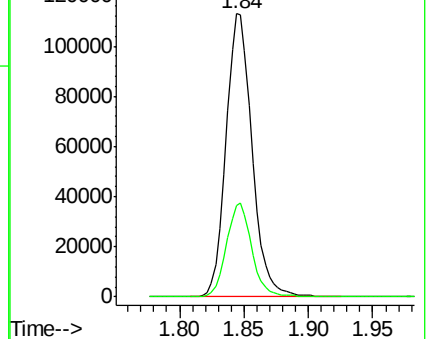
85 100

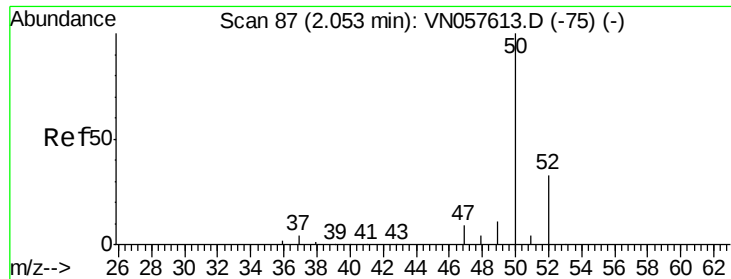
87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.109 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 181967

Ion Ratio Lower Upper

50 100

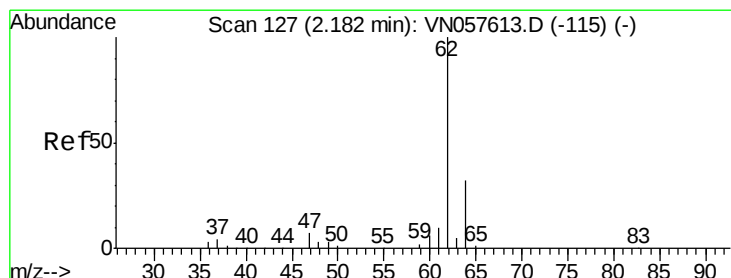
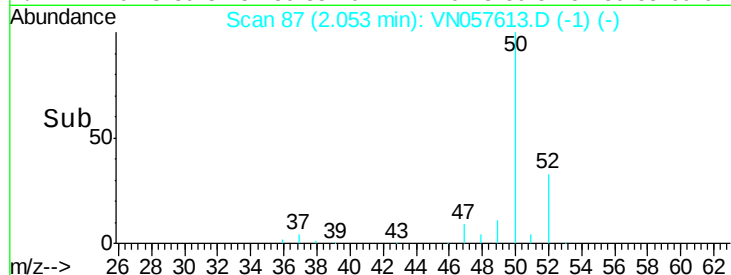
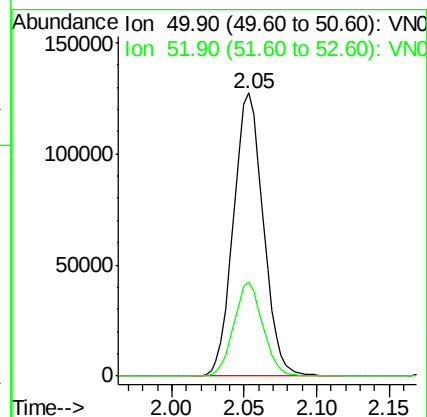
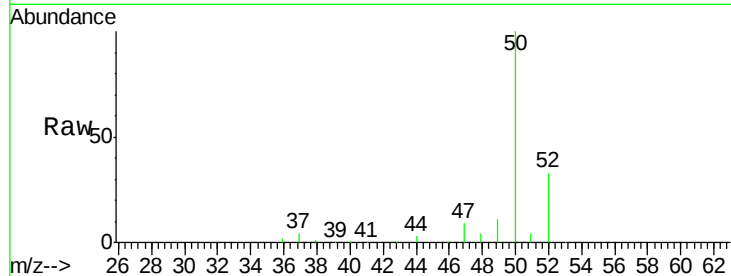
52 33.4 26.7 40.1

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#4

Vinyl Chloride

Concen: 36.695 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057613.D

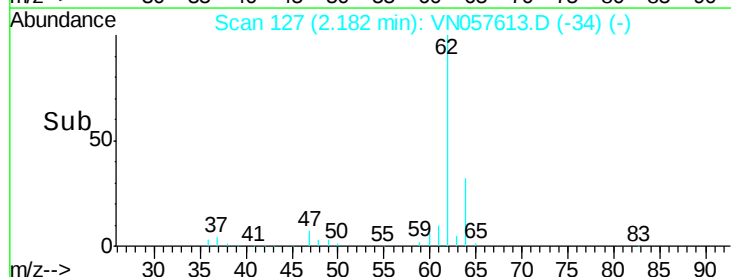
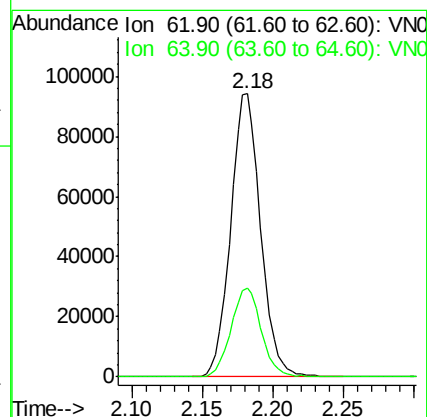
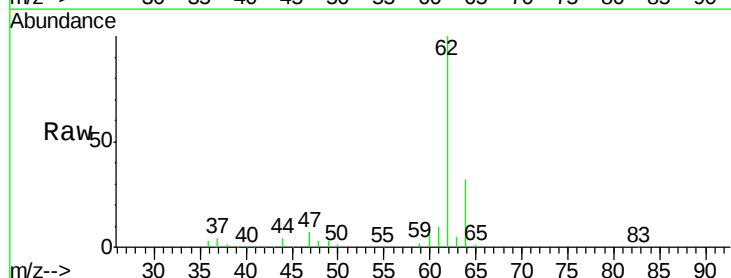
Acq: 31 Aug 2019 14:01

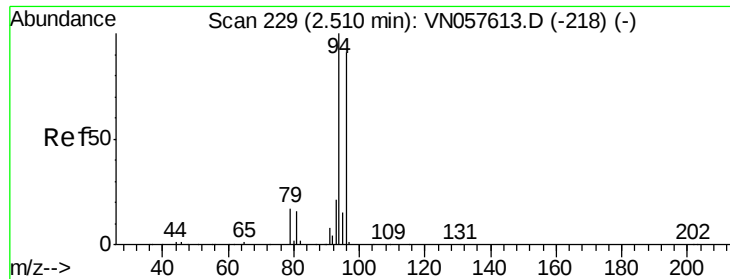
Tgt Ion: 62 Resp: 139445

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 35.803 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

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Tot Ion: 94 Resp: 83395

Ion Ratio Lower Upper

94 100

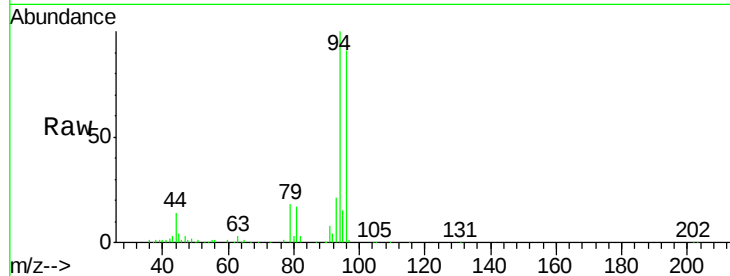
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Manual Integrations

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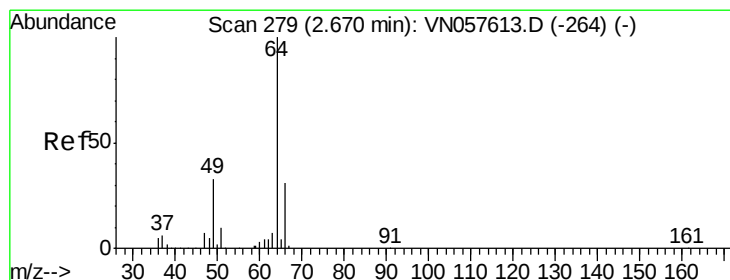
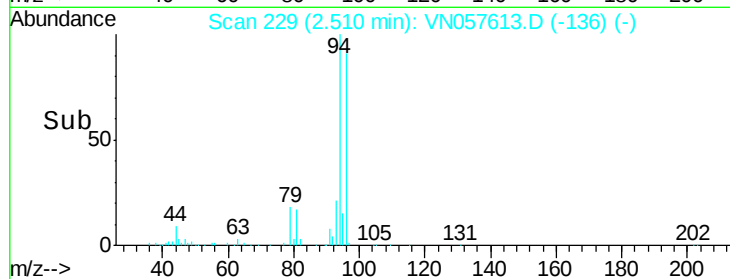
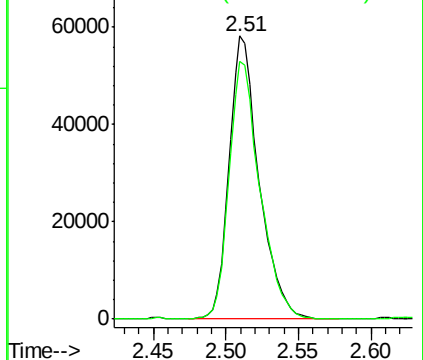
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 32.534 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN057613.D

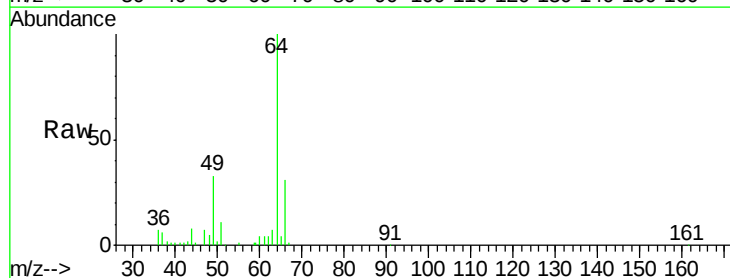
Acq: 31 Aug 2019 14:01

Tgt Ion: 64 Resp: 78834

Ion Ratio Lower Upper

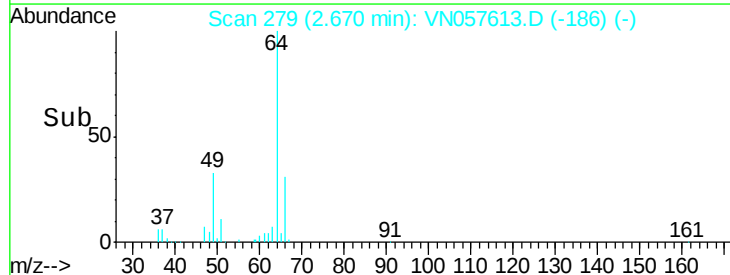
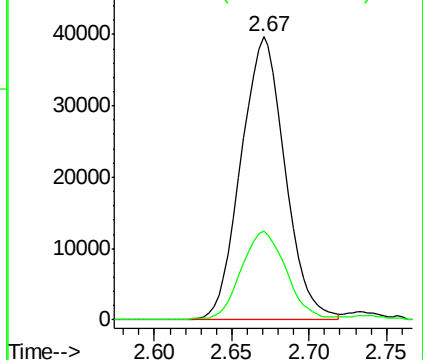
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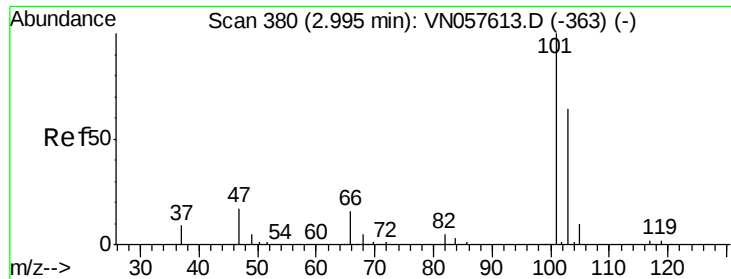
66 30.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

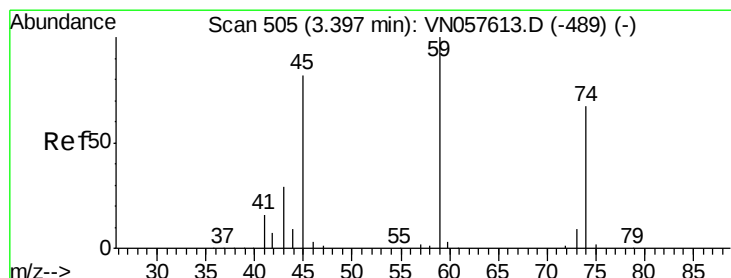
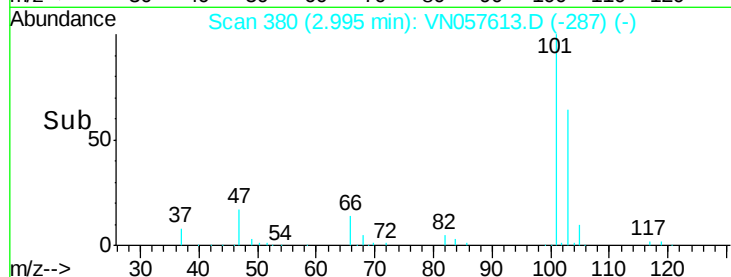
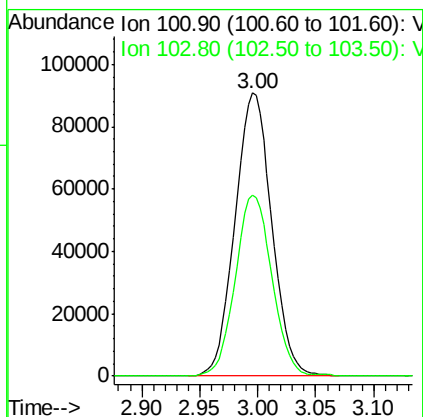
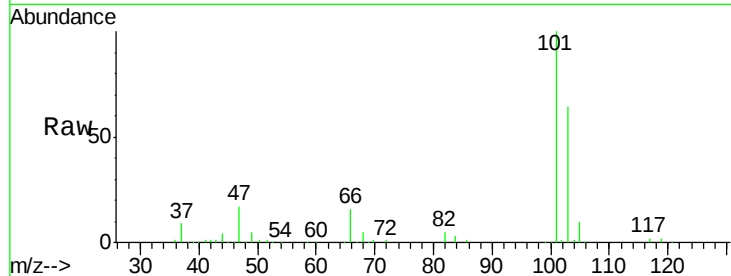
Trichlorofluoromethane
 Concen: 33.979 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN057613.D
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Instrument :
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 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	199717		
103	64.1	51.3	76.9	

Manual Integrations
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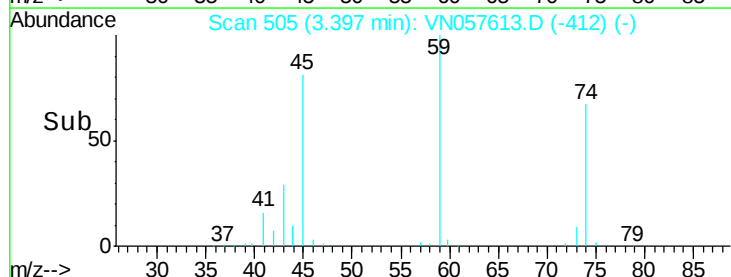
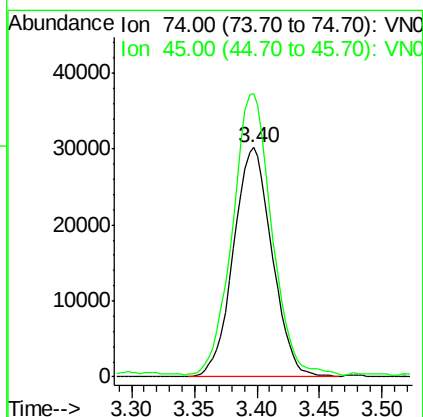
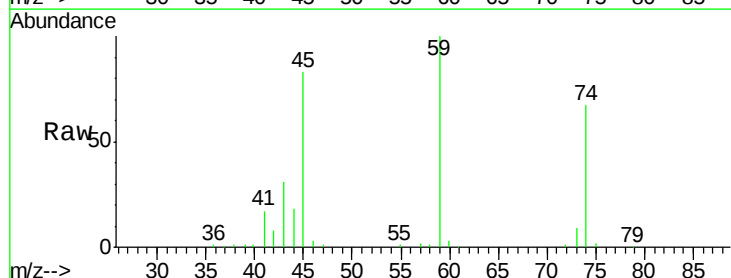
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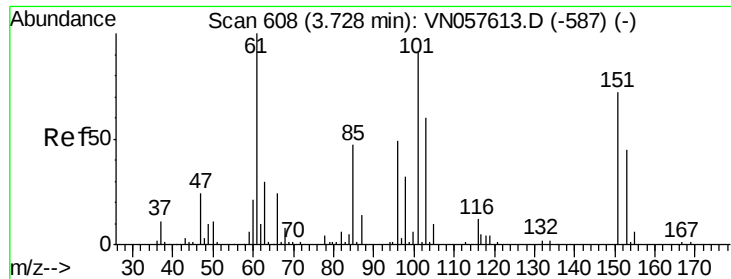


#8

Diethyl Ether
 Concen: 29.459 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64609		
45	123.8	61.9	185.7	





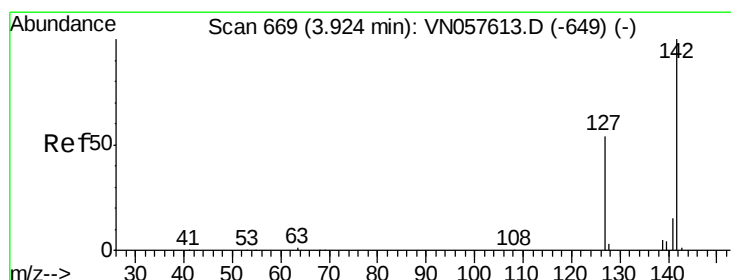
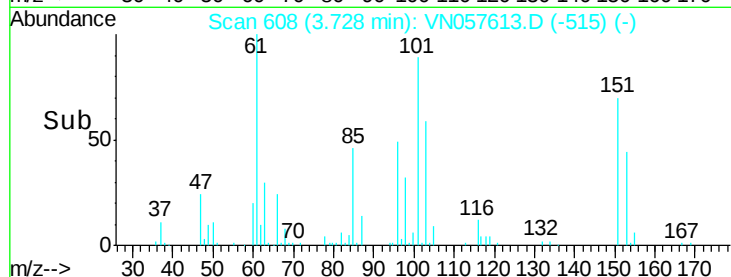
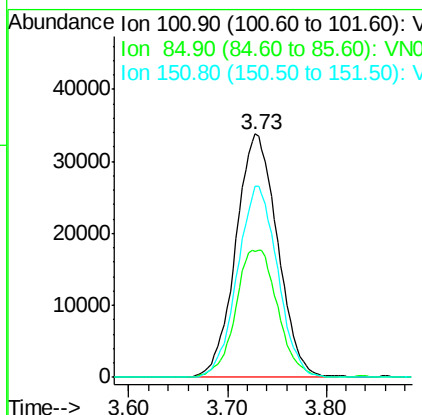
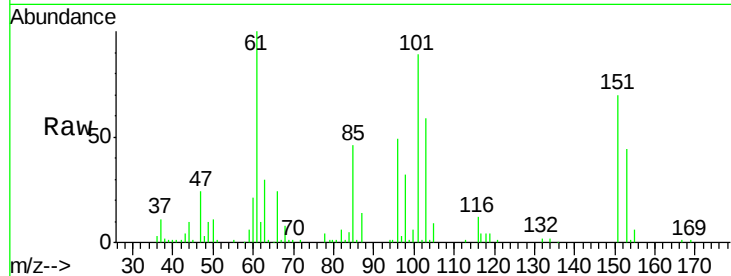
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 30.651 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	52.6	42.1	63.1
151	75.3	60.2	90.4

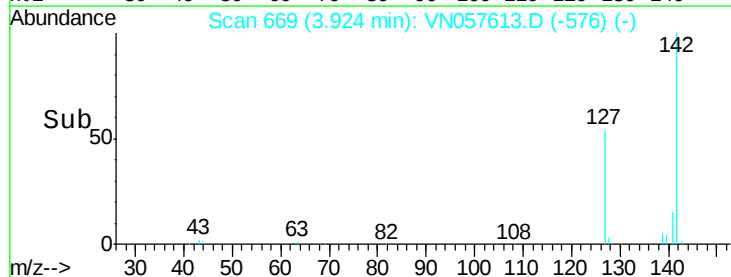
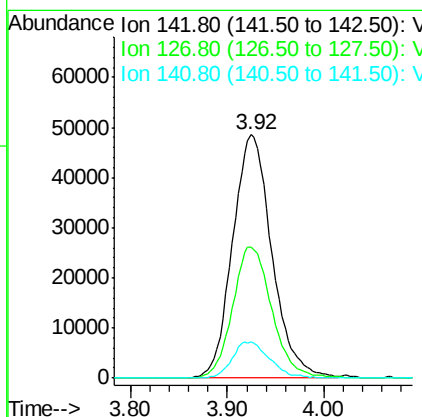
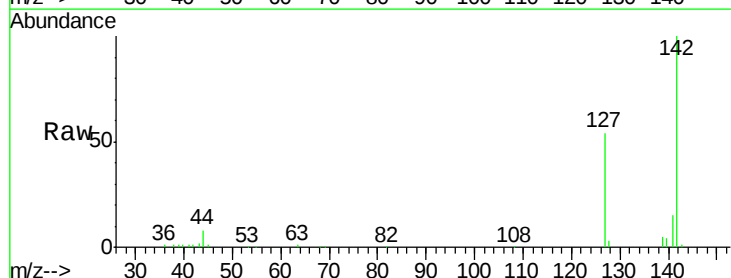
Manual Integrations
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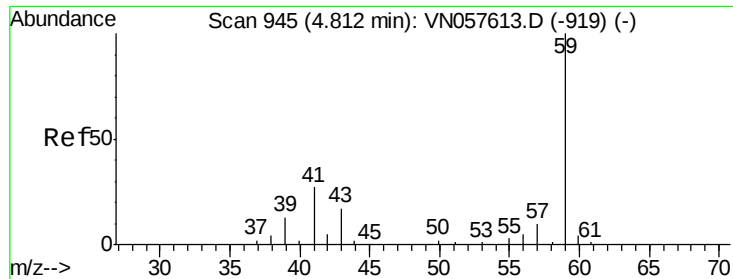
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#10
 Methyl Iodide
 Concen: 53.417 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.8	43.0	64.6
141	14.3	11.4	17.2





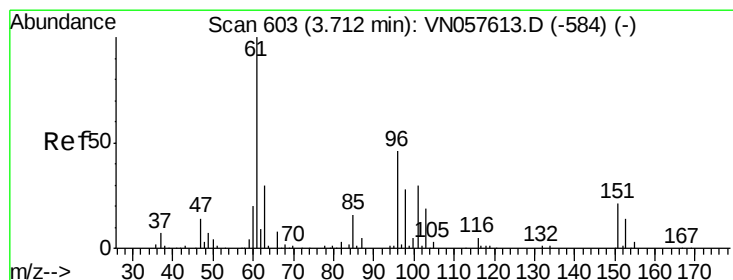
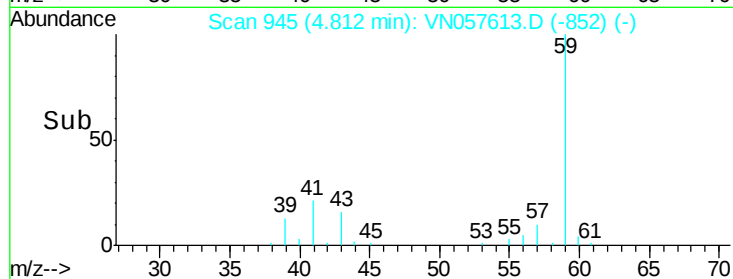
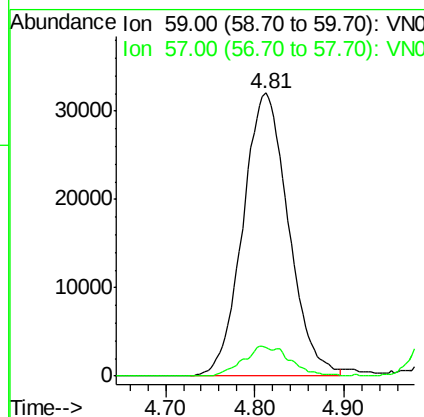
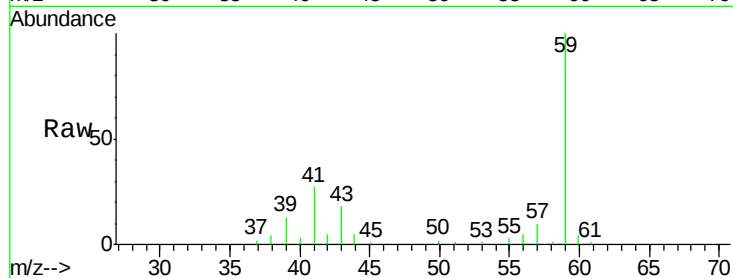
#11
Tert butyl alcohol
Concen: 261.860 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		114086		
57	6.3		5.0		7.6

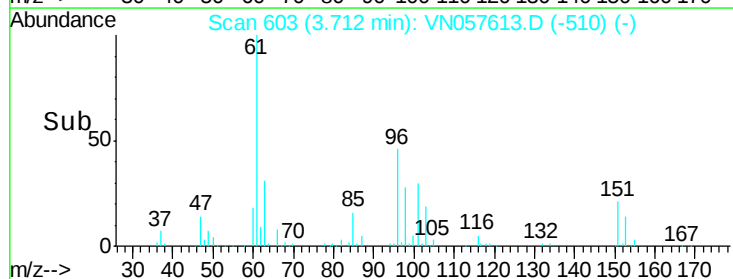
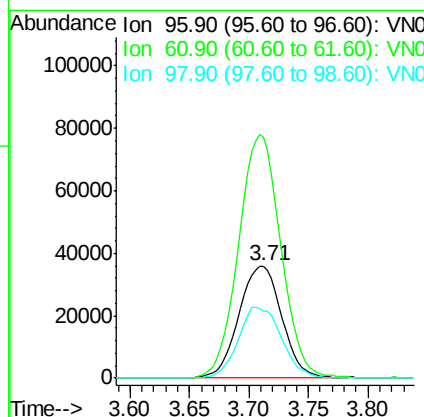
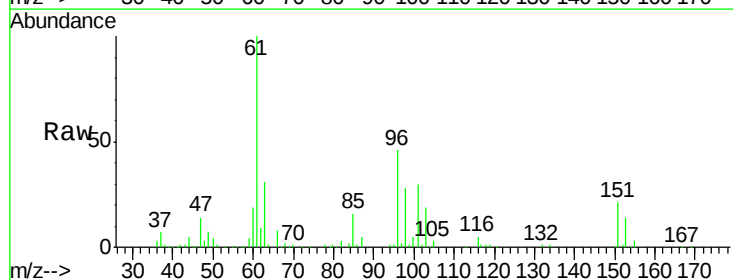
Manual Integrations
APPROVED

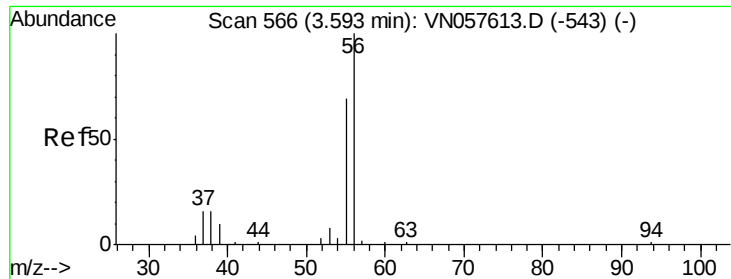
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#12
1,1-Dichloroethene
Concen: 29.086 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		89813		
61	215.1		172.1		258.1
98	60.4		48.3		72.5





#13

Acrolein

Concen: 127.789 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 42596

Ion Ratio Lower Upper

56 100

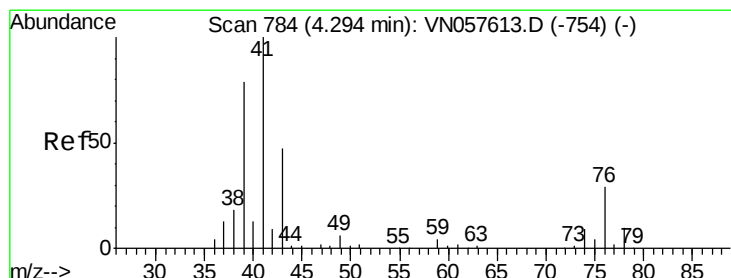
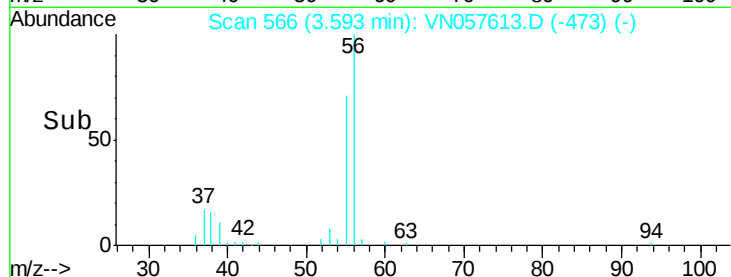
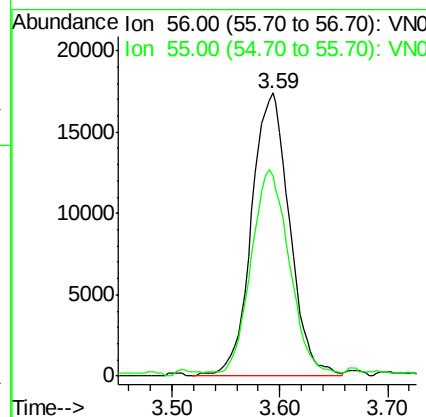
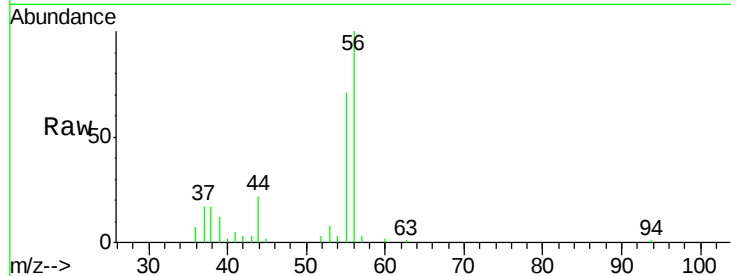
55 70.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 56.680 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

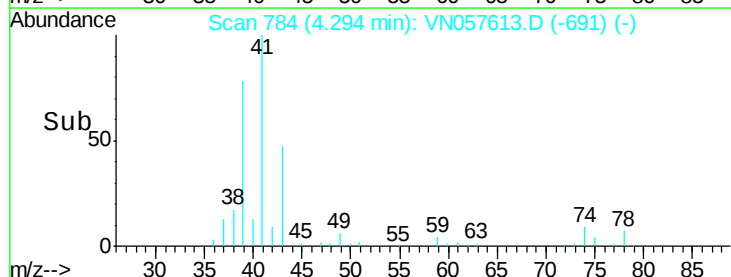
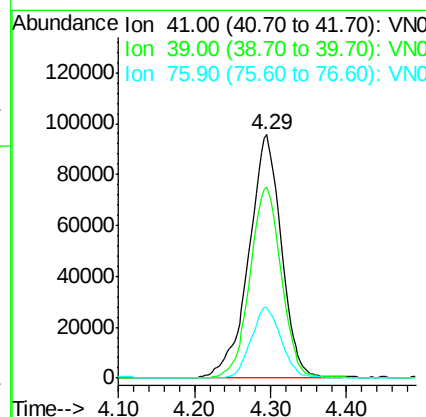
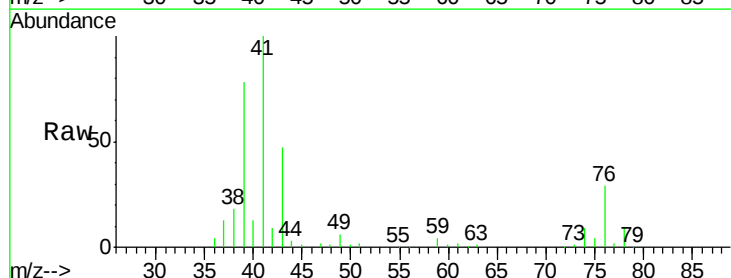
Tgt Ion: 41 Resp: 282909

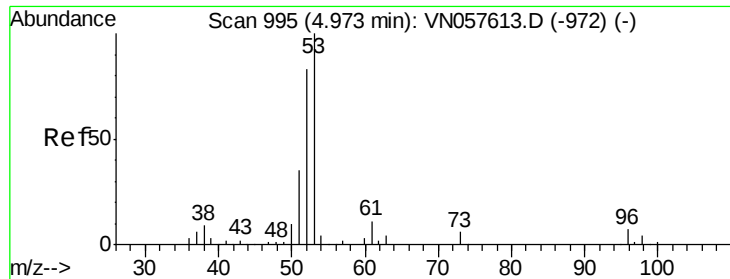
Ion Ratio Lower Upper

41 100

39 76.1 60.9 91.3

76 26.4 21.1 31.7





#15

Acrylonitrile

Concen: 297.721 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

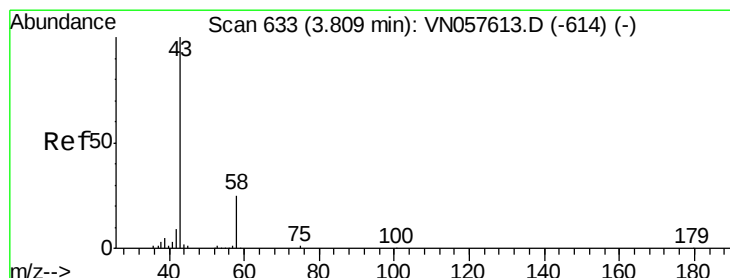
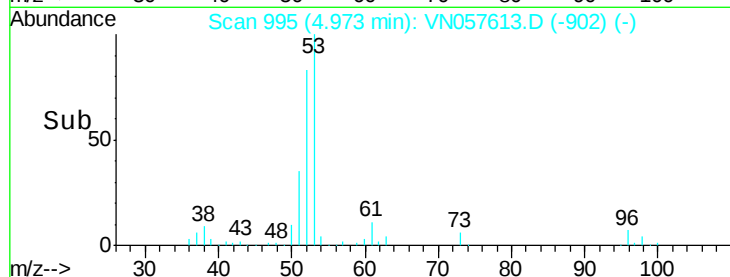
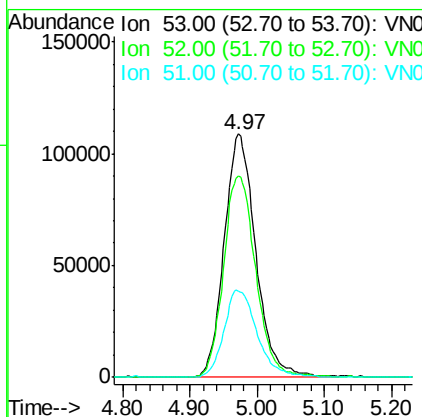
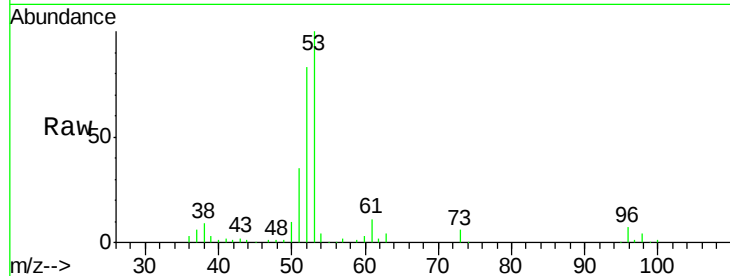
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	355355
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.1	100.7
51	37.8	30.2	45.4

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#16

Acetone

Concen: 196.241 ug/l

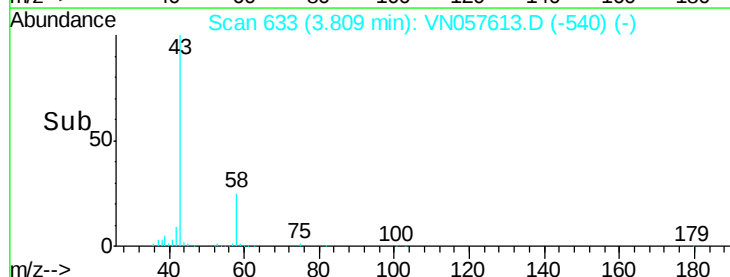
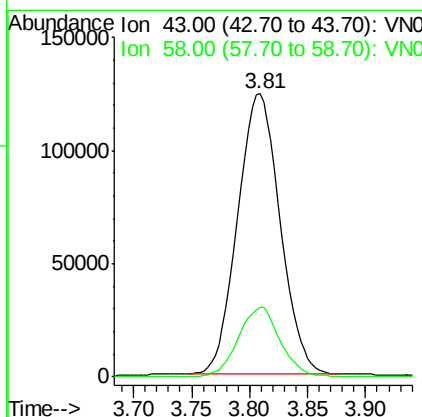
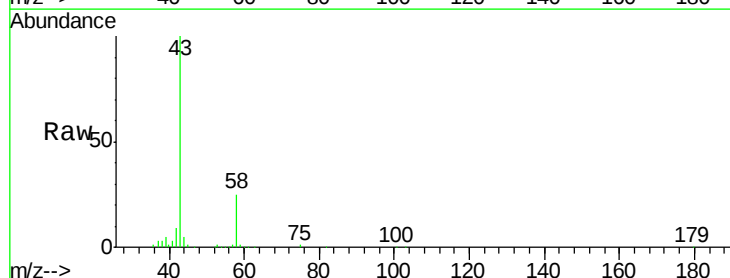
RT: 3.81 min Scan# 633

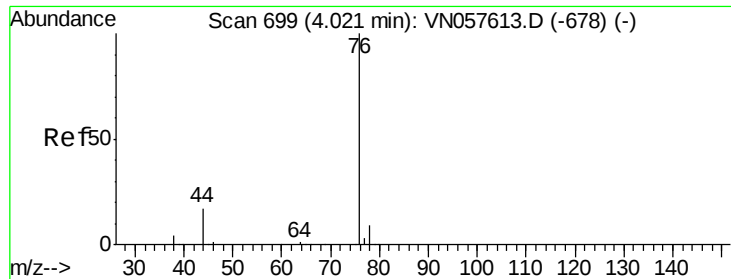
Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Tgt Ion:	43	Resp:	315133
Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.0	30.0





#17

Carbon Disulfide

Concen: 46.854 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 296116

Ion Ratio Lower Upper

76 100

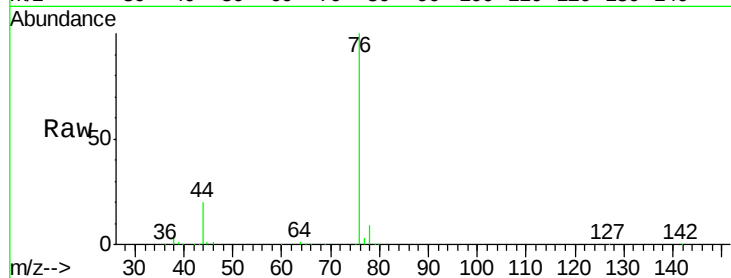
78 8.6 6.9 10.3

Manual Integrations

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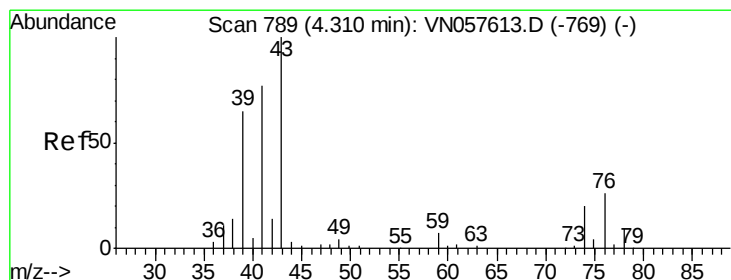
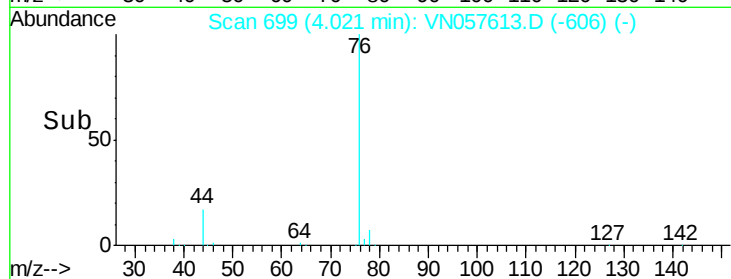
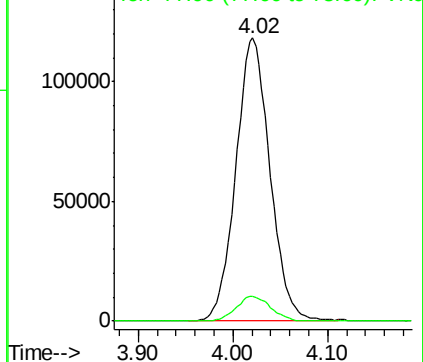
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 47.726 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057613.D

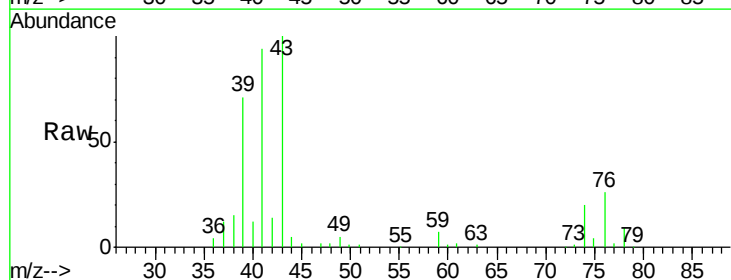
Acq: 31 Aug 2019 14:01

Tgt Ion: 43 Resp: 198553

Ion Ratio Lower Upper

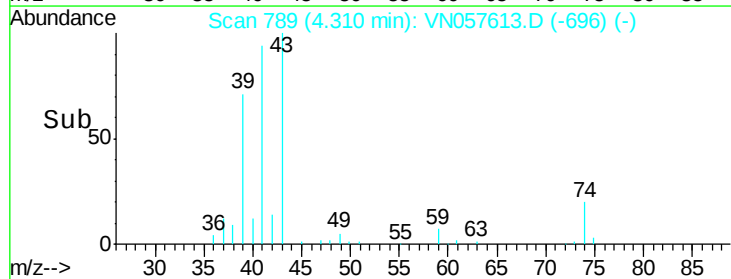
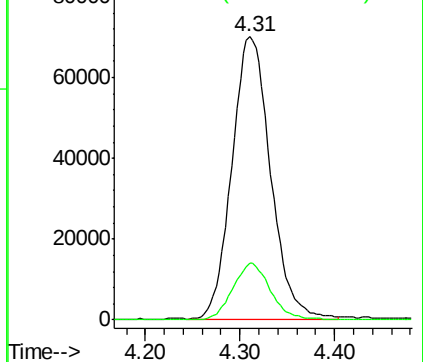
43 100

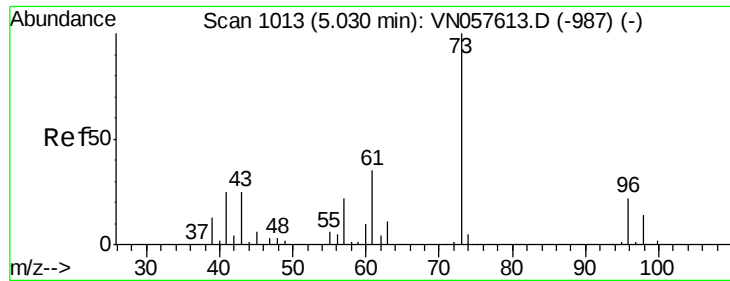
74 19.6 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





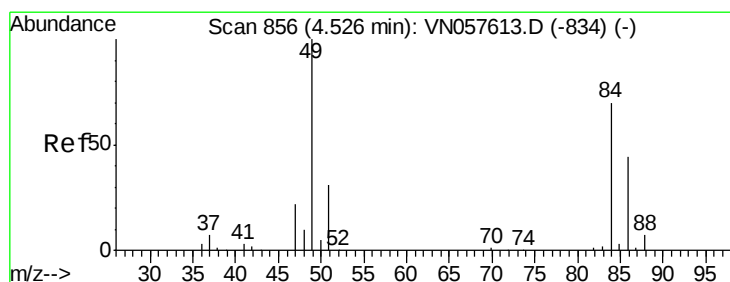
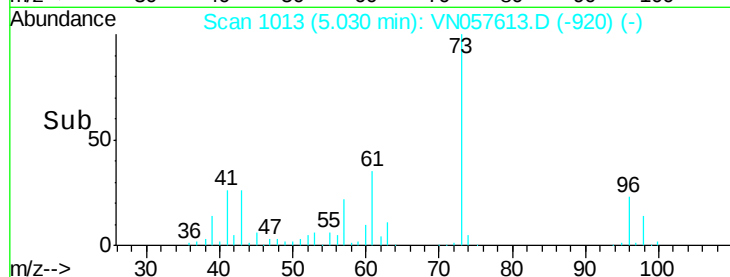
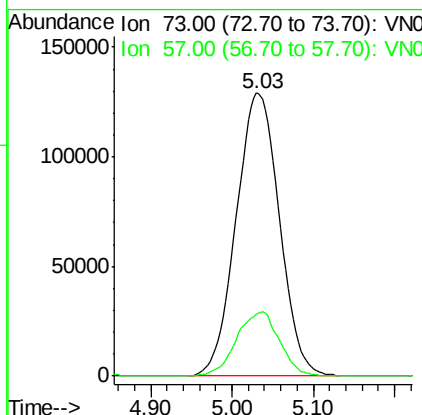
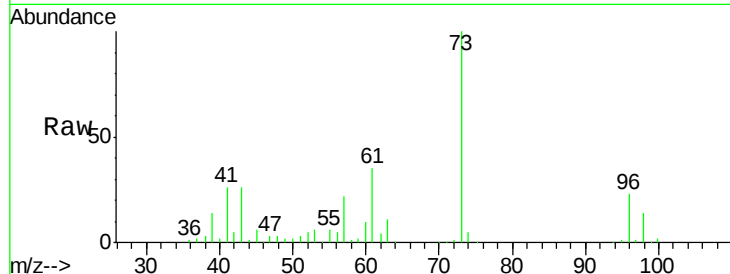
#19
Methvl tert-butvl Ether
Concen: 56.967 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 473640
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

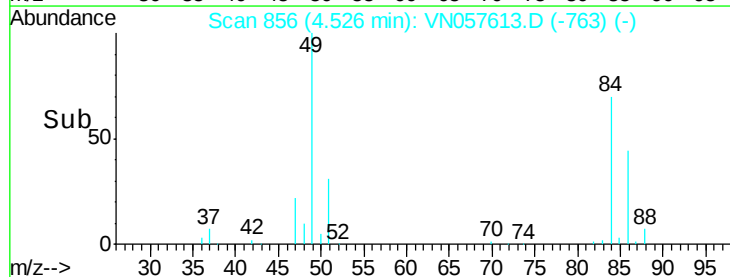
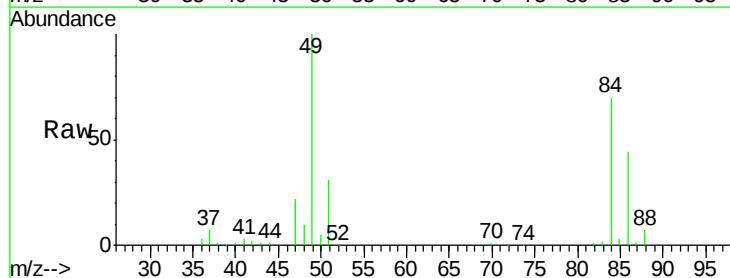
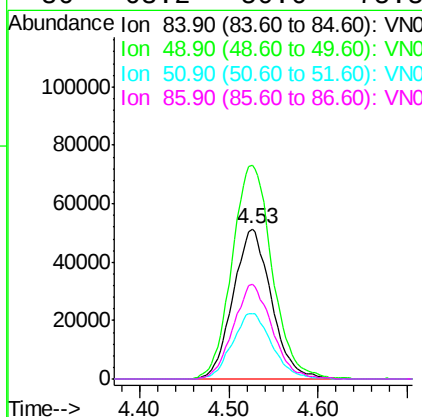
Manual Integrations
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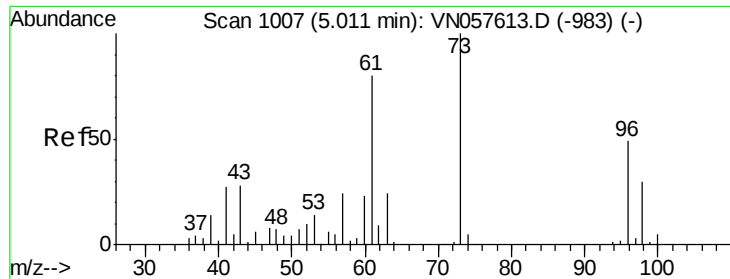
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#20
Methylene Chloride
Concen: 57.058 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion: 84 Resp: 153434
Ion Ratio Lower Upper
84 100
49 142.2 113.8 170.6
51 43.8 35.0 52.6
86 63.2 50.6 75.8





#21

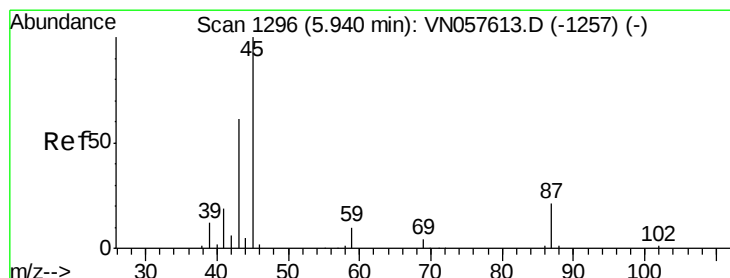
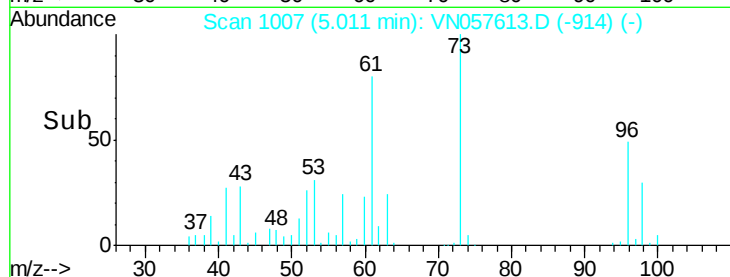
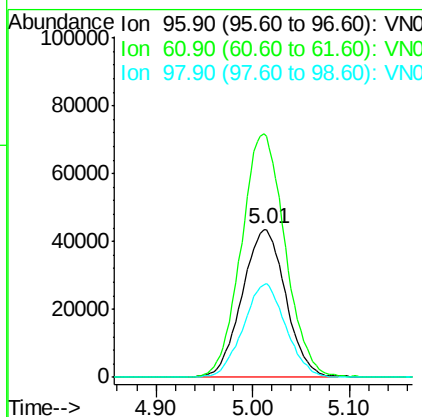
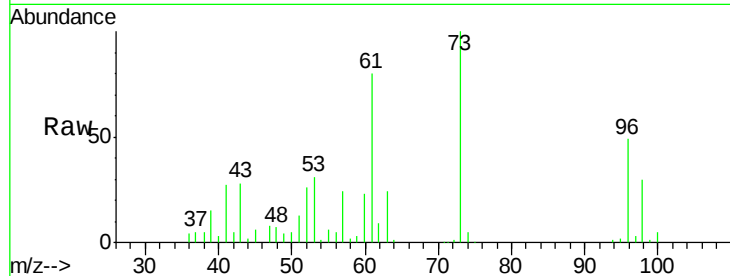
trans-1,2-Dichloroethene
Concen: 56.247 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.5	131.6	197.4
98	62.4	49.9	74.9

Manual Integrations
APPROVED

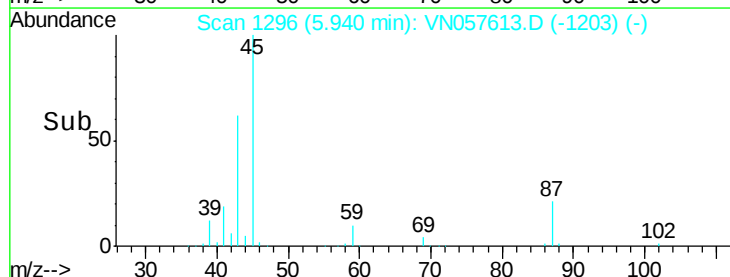
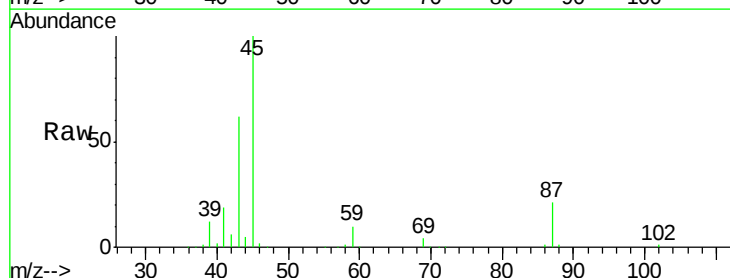
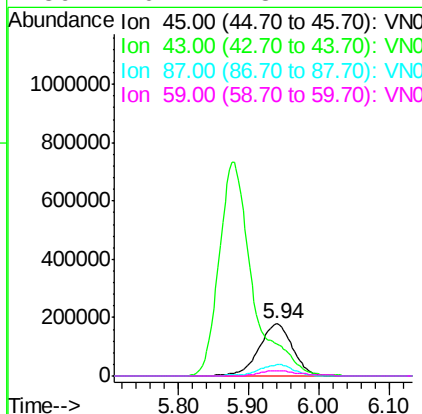
MMDadoda
9/3/2019 11:51:57 AM

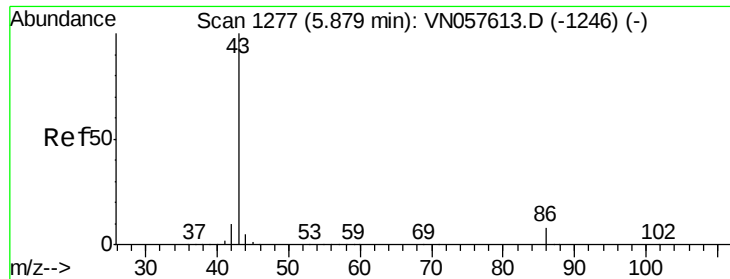


#22

Diisopropyl ether
Concen: 60.515 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.1	73.7
87	21.3	17.0	25.6
59	10.2	8.2	12.2





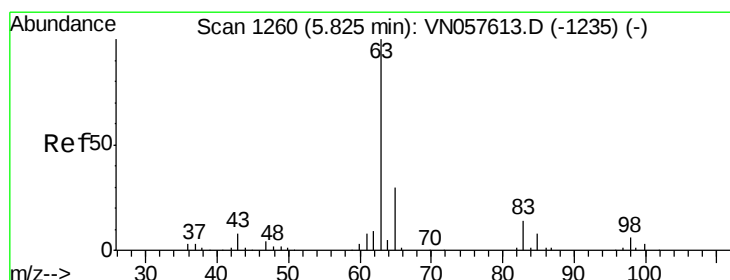
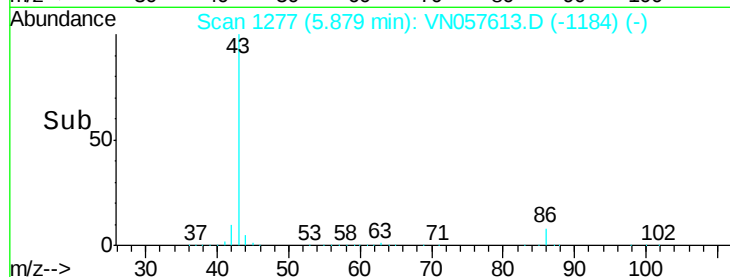
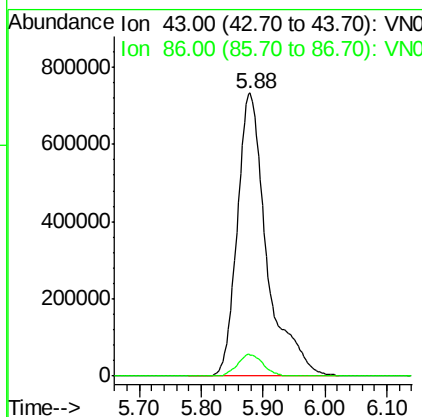
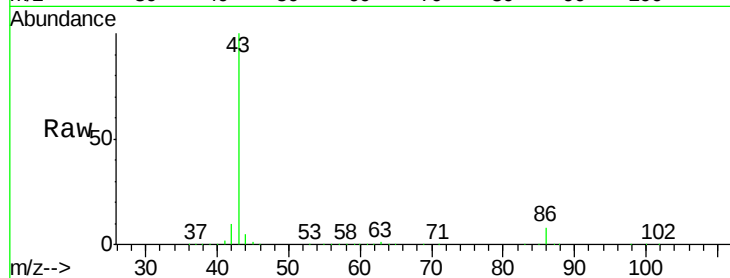
#23
 Vinyl Acetate
 Concen: 311.951 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2420074
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.1 9.1

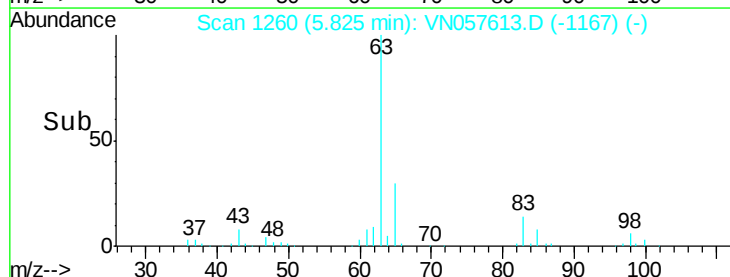
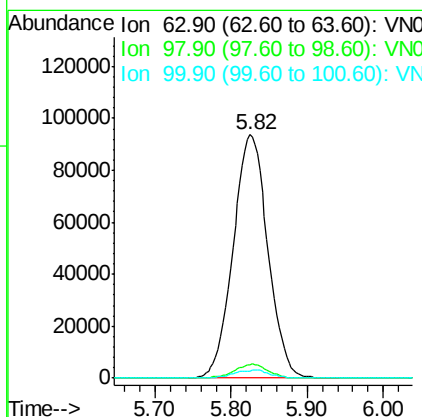
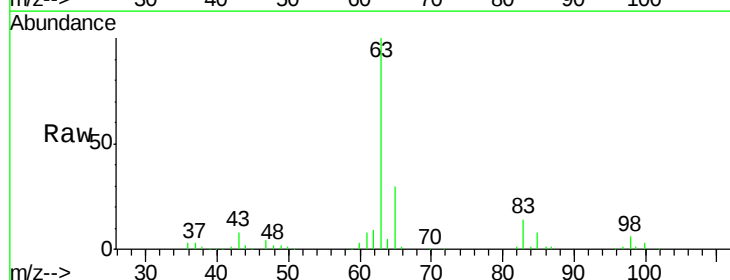
Manual Integrations
 APPROVED

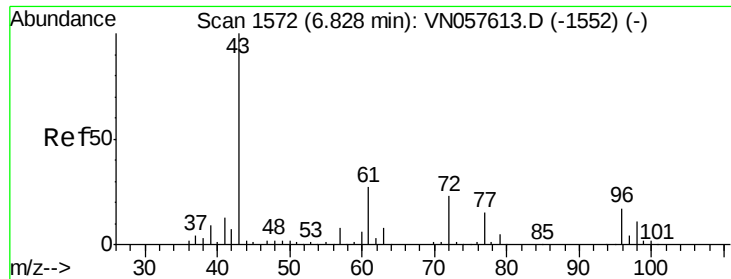
MMDadoda
 9/3/2019 11:51:57 AM



#24
 1,1-Dichloroethane
 Concen: 57.210 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion: 63 Resp: 296128
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.0 1.5 4.5





#25

2-Butanone

Concen: 298.341 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 533675

Ion Ratio Lower Upper

43 100

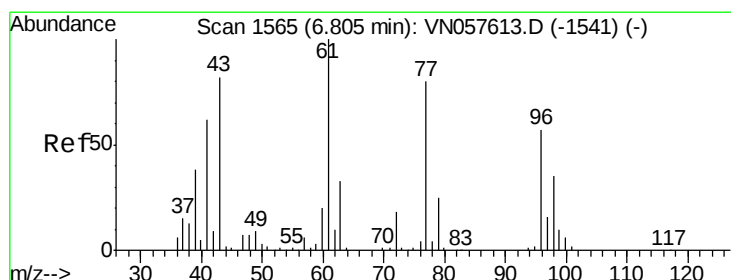
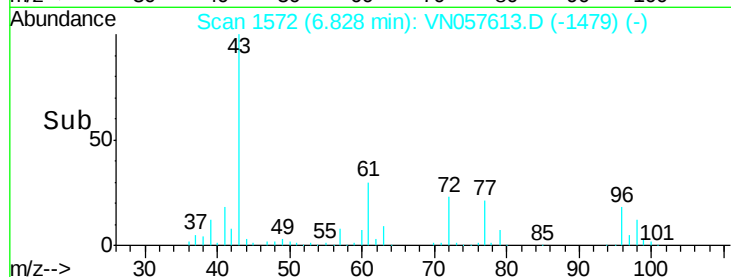
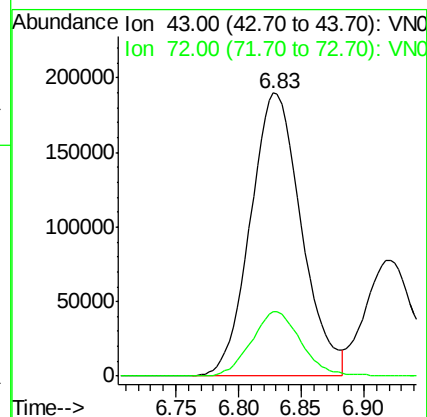
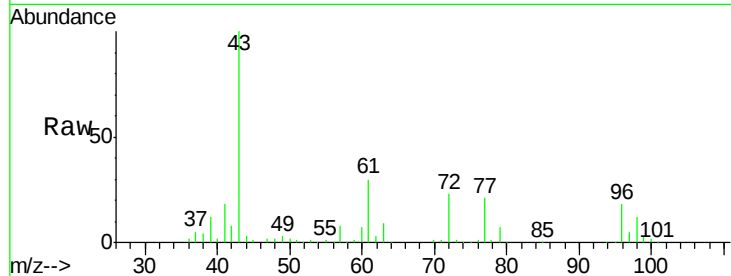
72 22.8 18.2 27.4

Manual Integrations

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9/3/2019 11:51:57 AM



#26

2,2-Dichloropropane

Concen: 53.843 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057613.D

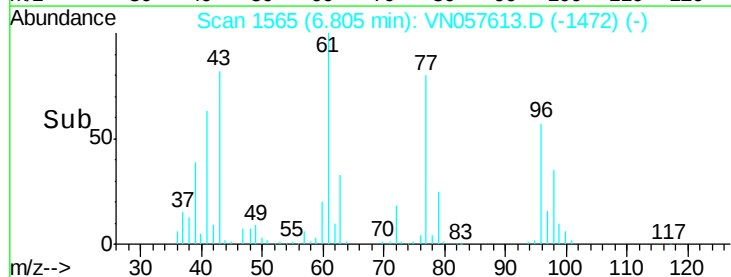
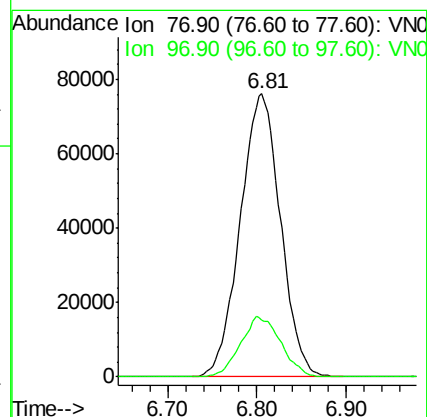
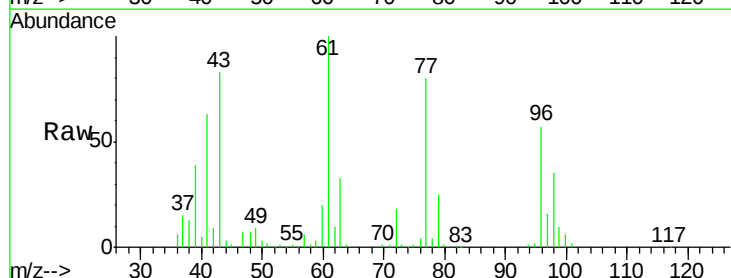
Acq: 31 Aug 2019 14:01

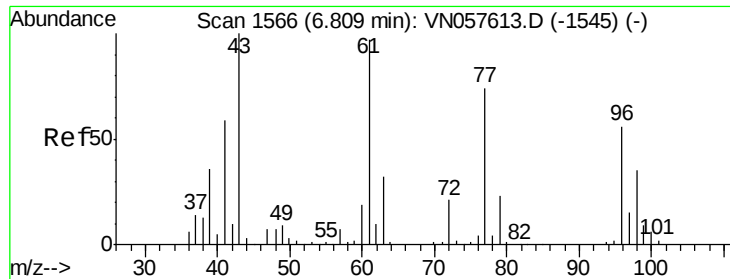
Tgt Ion: 77 Resp: 238805

Ion Ratio Lower Upper

77 100

97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 56.111 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

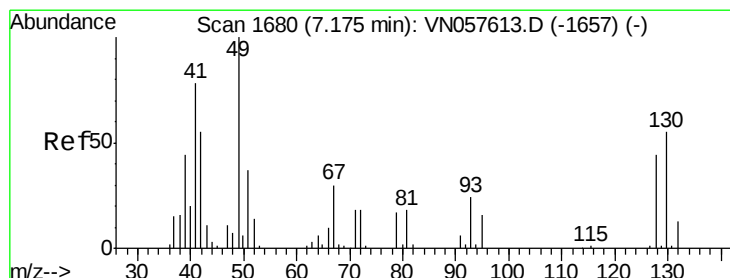
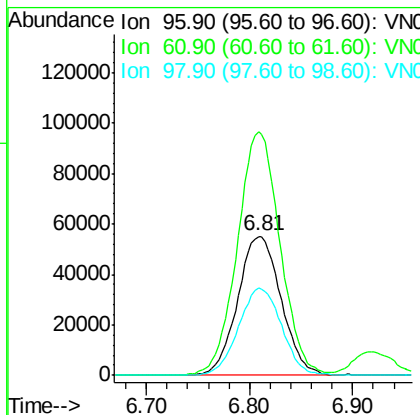
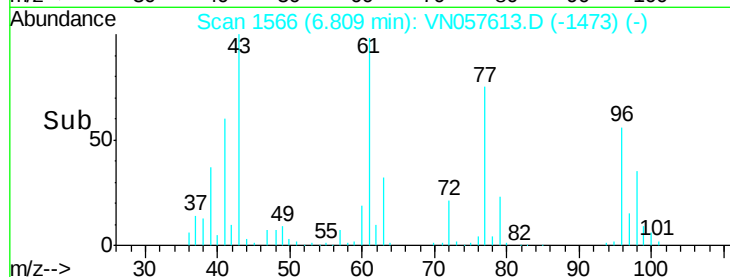
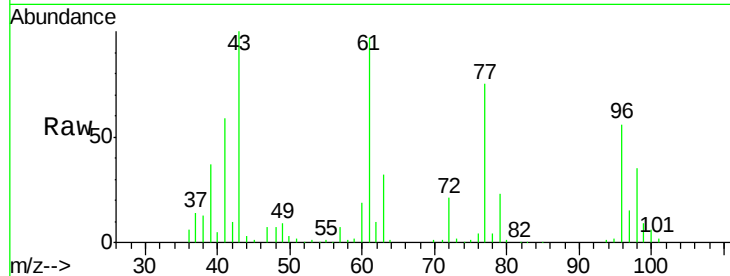
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	161124
Ion	Ratio	Lower	Upper
96	100		
61	172.3	0.0	344.6
98	62.4	0.0	124.8

Manual Integrations
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#28

Bromochloromethane

Concen: 56.468 ug/l

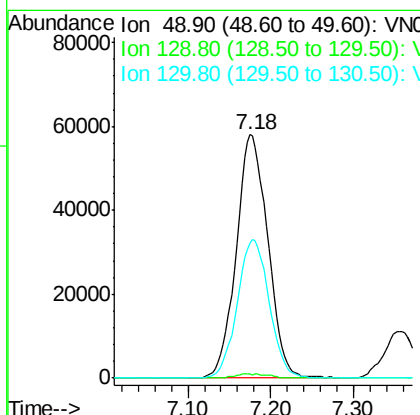
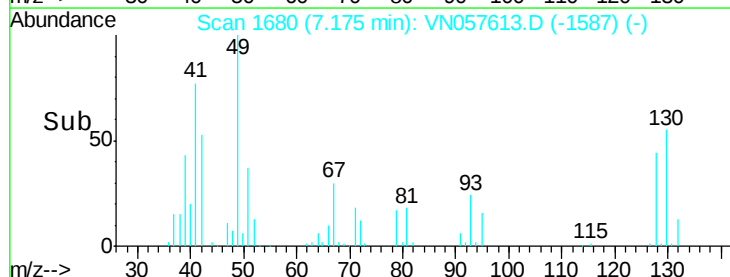
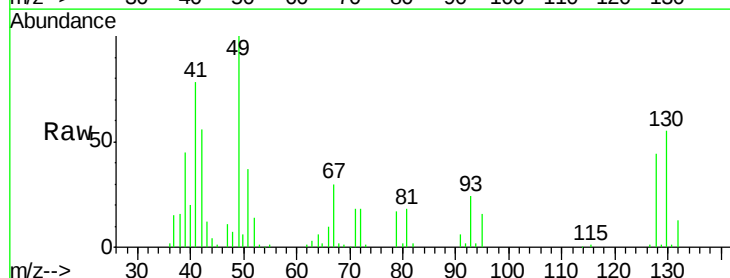
RT: 7.18 min Scan# 1680

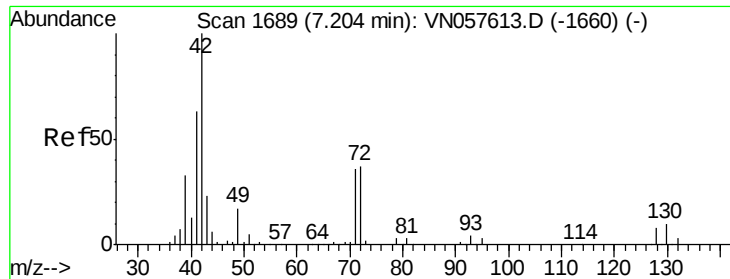
Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Tgt Ion:	49	Resp:	154029
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.8
130	57.3	45.8	68.8





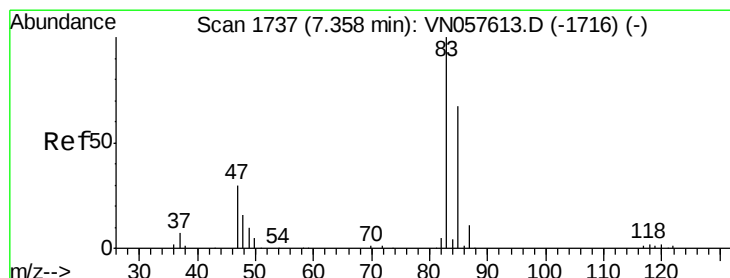
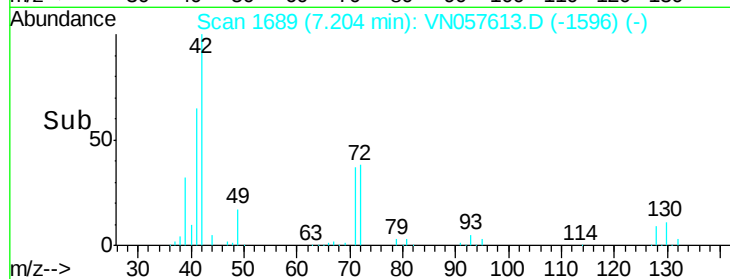
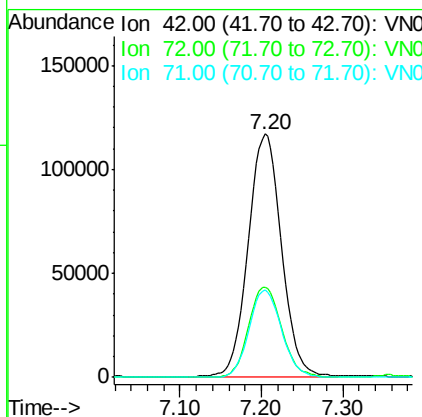
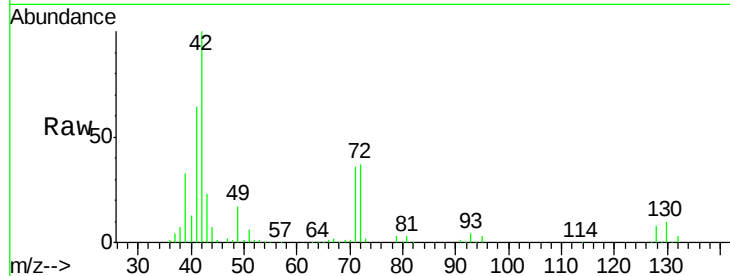
#29
Tetrahydrofuran
Concen: 282.926 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.6	44.4
71	34.9	27.9	41.9

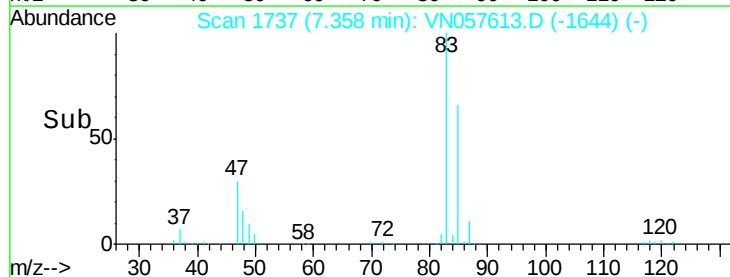
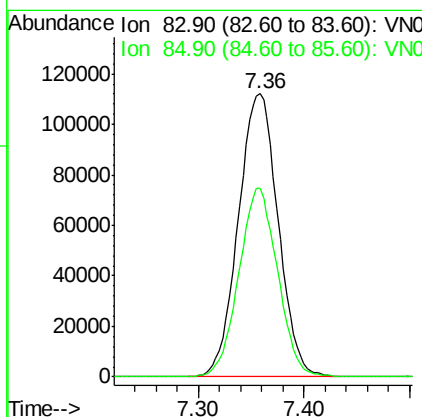
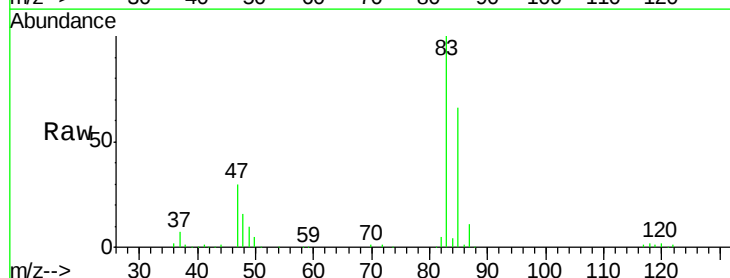
Manual Integrations
APPROVED

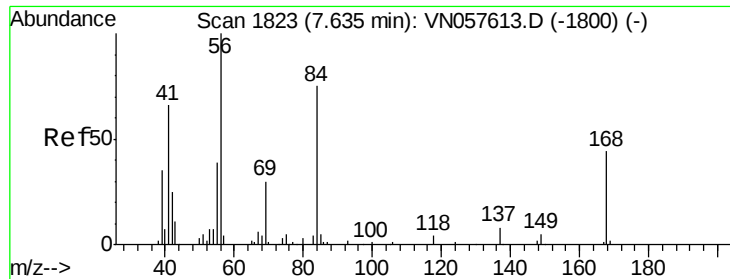
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9/3/2019 11:51:57 AM



#30
Chloroform
Concen: 54.760 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.2	79.8





#31

Cyclohexane

Concen: 56.541 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

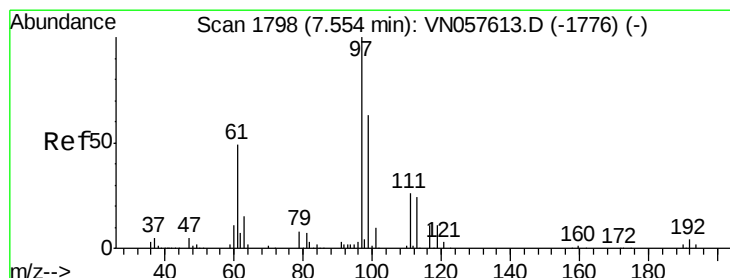
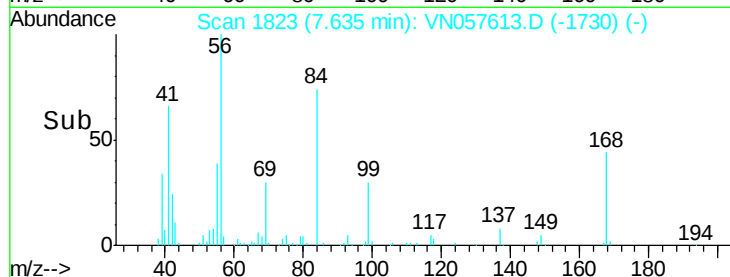
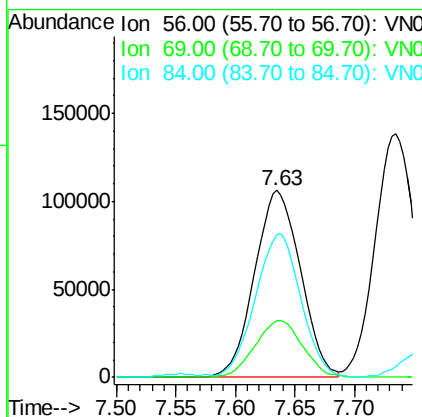
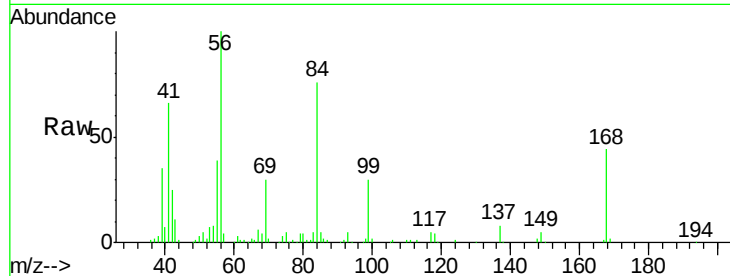
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	283794
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	74.9	59.9	89.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.435 ug/l

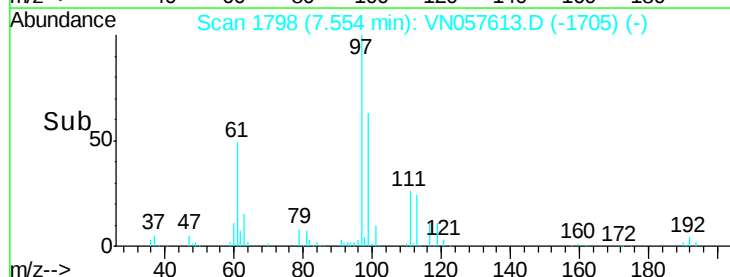
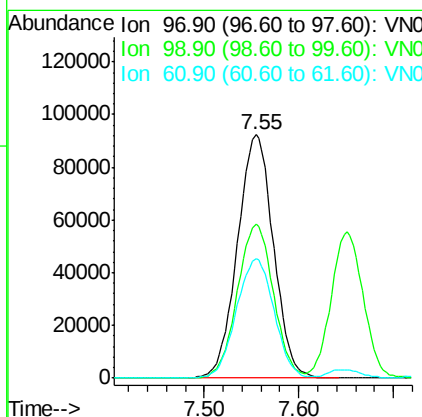
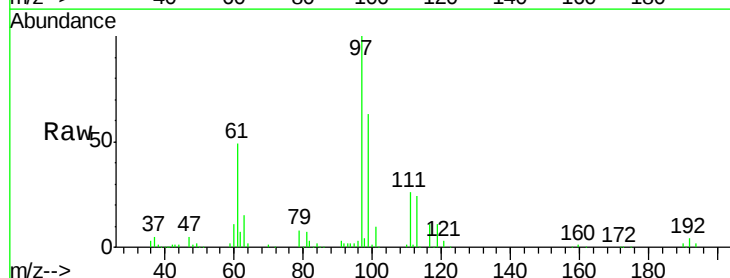
RT: 7.55 min Scan# 1798

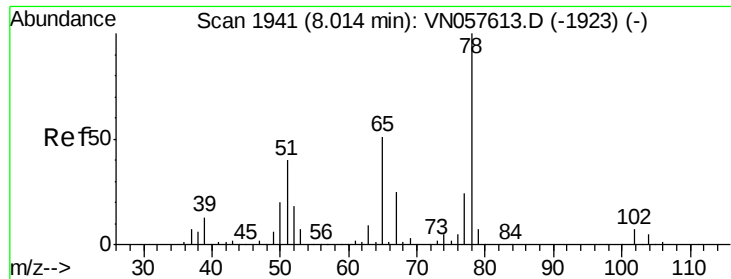
Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Tgt Ion:	97	Resp:	244442
Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	75.8
61	51.4	41.1	61.7





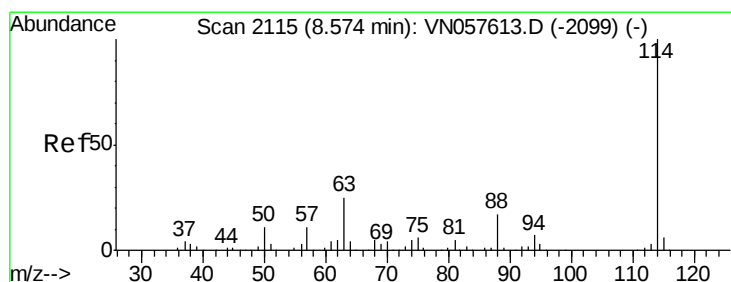
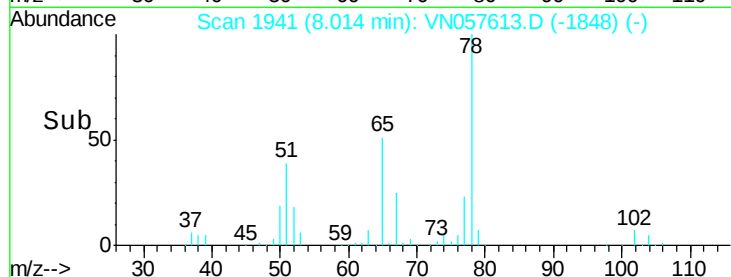
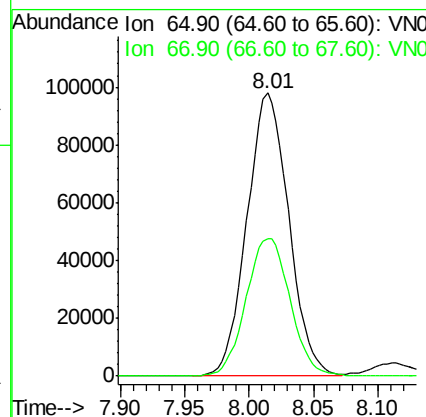
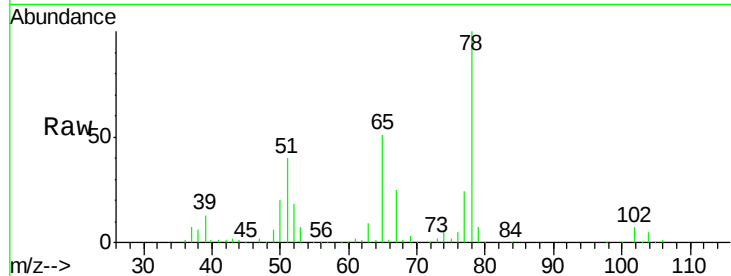
#33
 1,2-Dichloroethane-d4
 Concen: 61.474 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221835		
67	51.1	0.0	102.2	

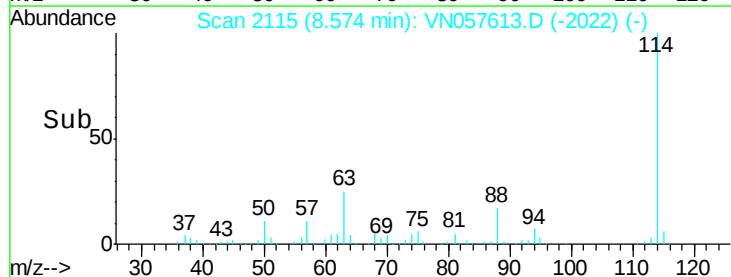
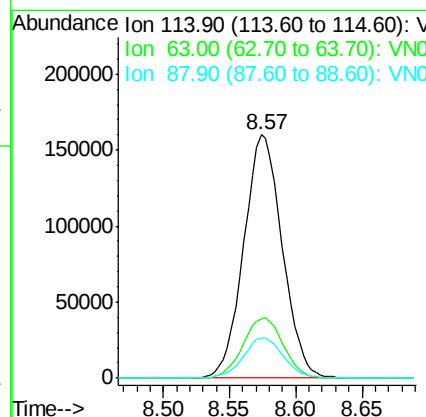
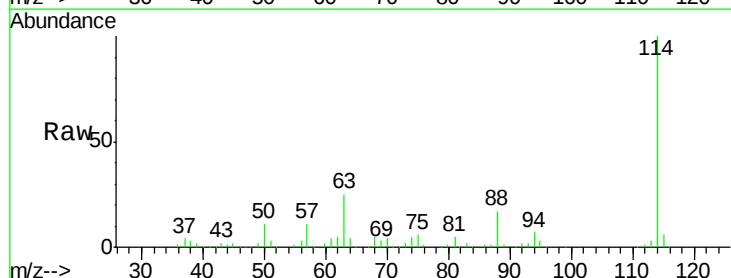
Manual Integrations
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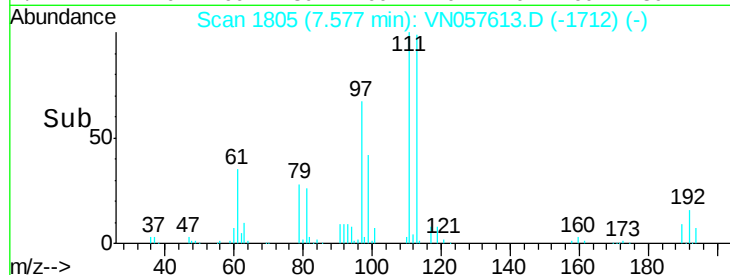
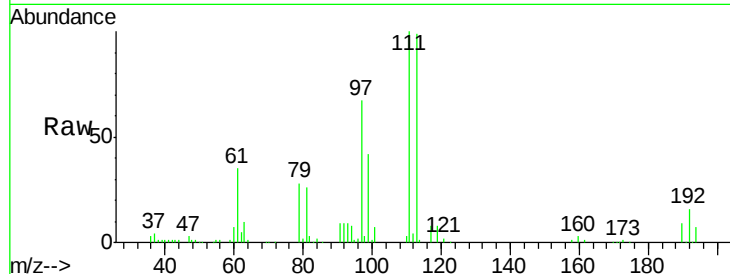
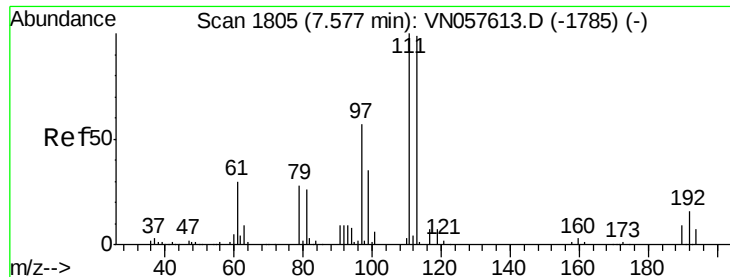
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 9/3/2019 11:51:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322937		
63	24.5	0.0	49.0	
88	16.5	0.0	33.0	





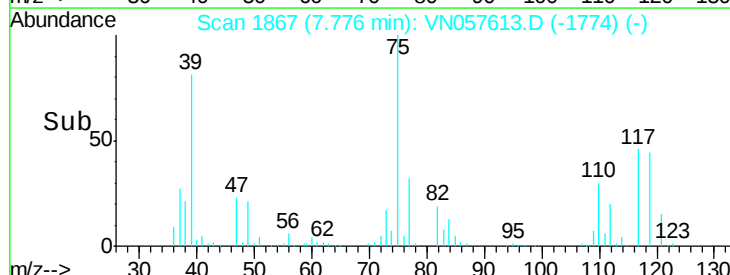
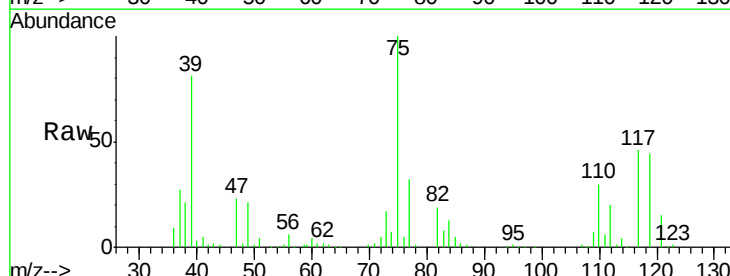
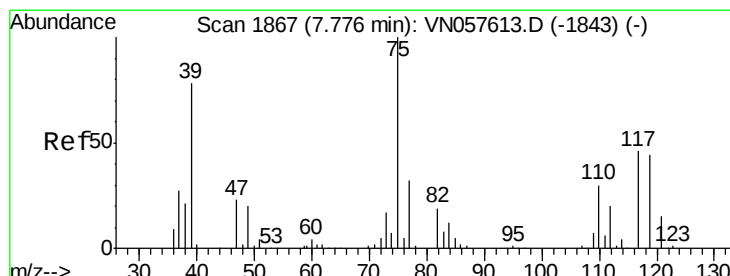
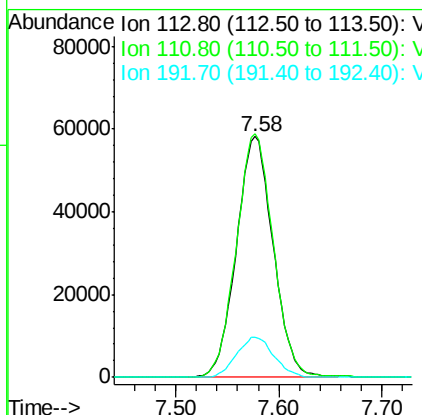
#35
Dibromofluoromethane
Concen: 61.771 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144039		
111	101.6	81.3	121.9	
192	16.9	13.5	20.3	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

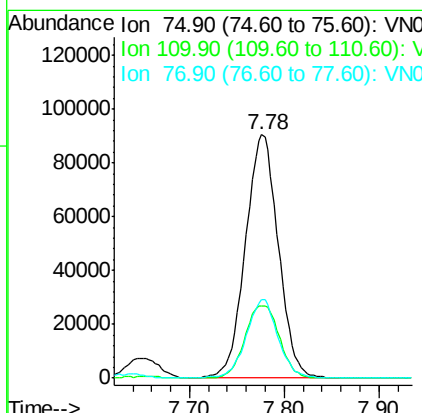
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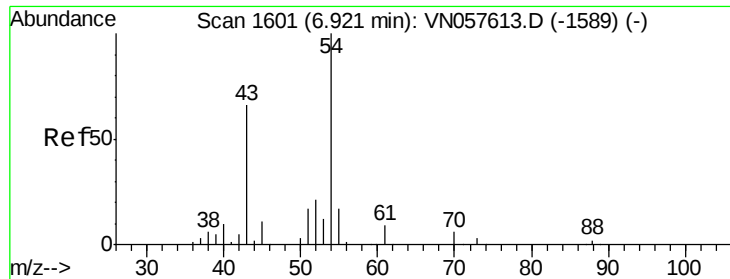
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#36
1,1-Dichloropropene
Concen: 62.106 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218892		
110	31.2	15.6	46.8	
77	31.1	24.9	37.3	





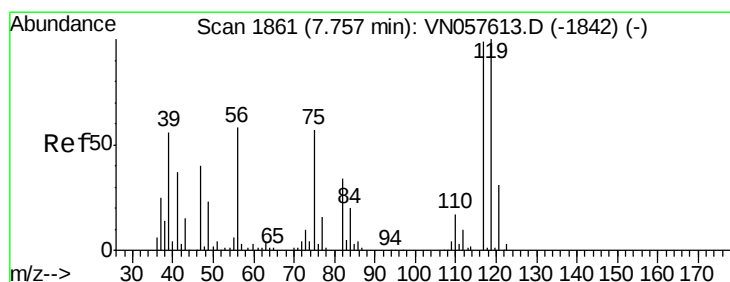
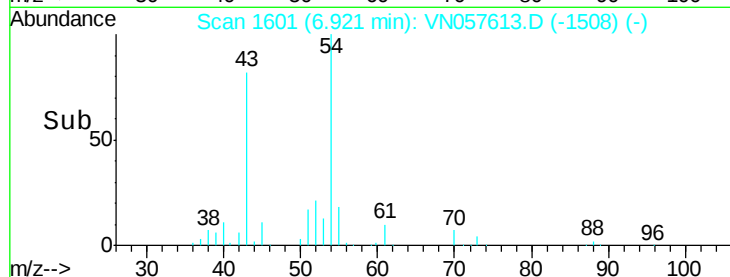
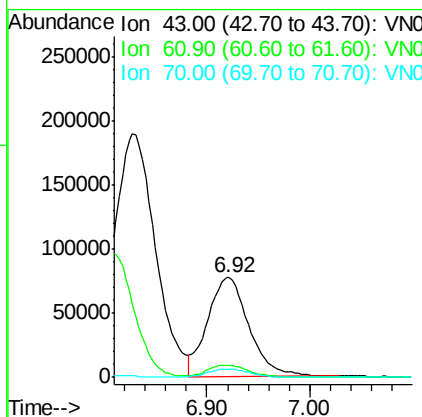
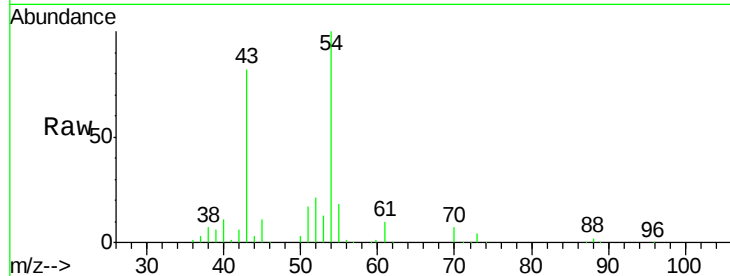
#37
Ethyl Acetate
Concen: 61.872 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.1	15.1
70	8.5	6.8	10.2

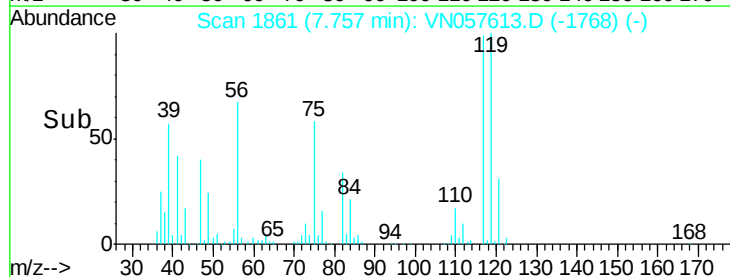
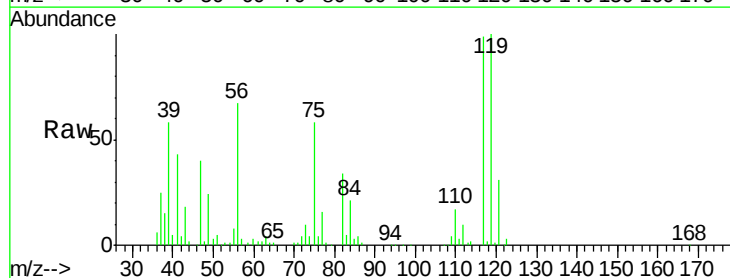
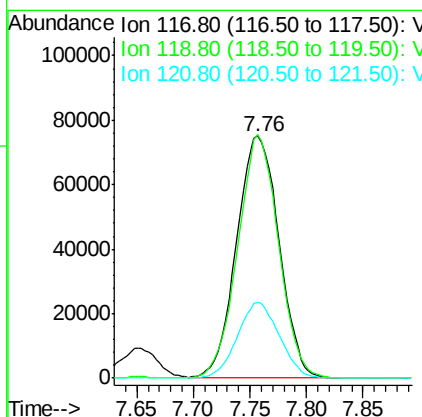
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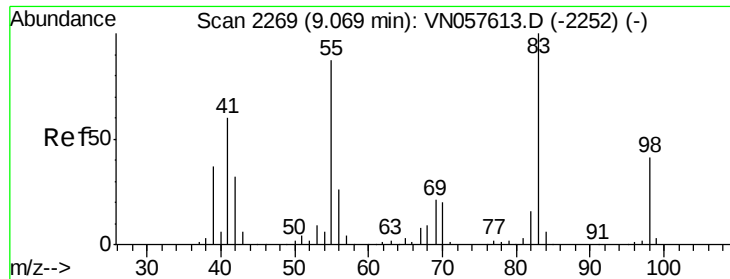
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#38
Carbon Tetrachloride
Concen: 57.300 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	80.6	120.8
121	31.4	25.1	37.7





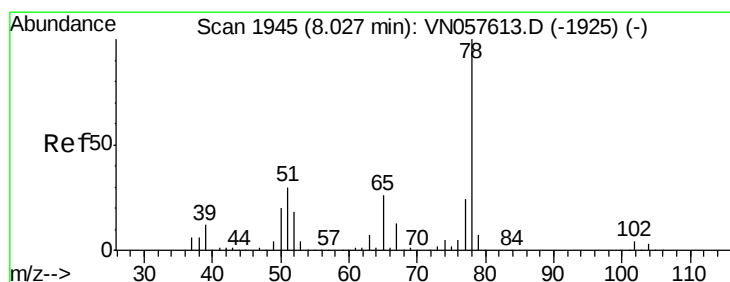
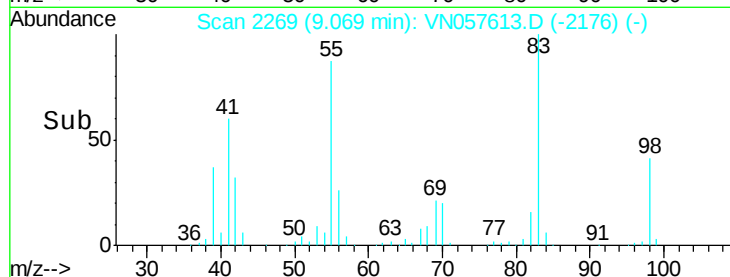
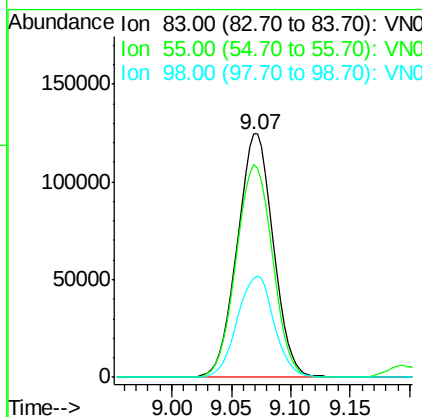
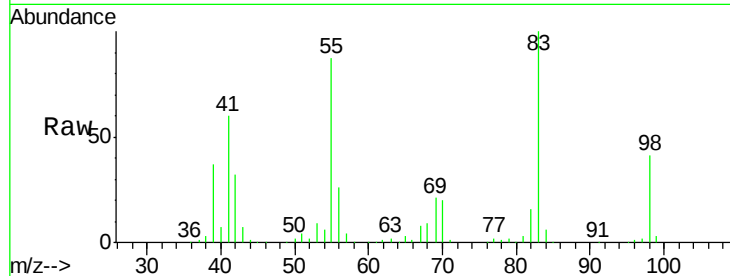
#39
Methvlcvclohexane
Concen: 62.761 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	69.8	104.8
98	40.9	32.7	49.1

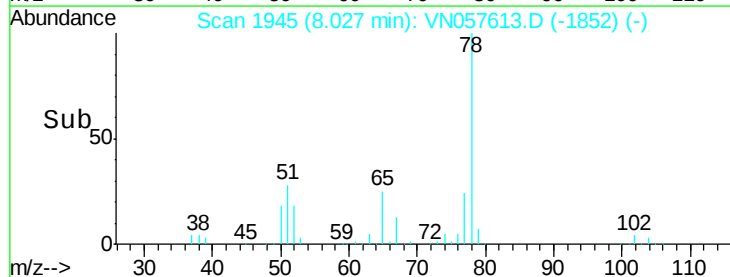
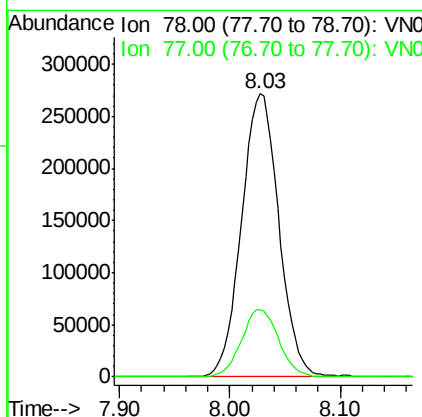
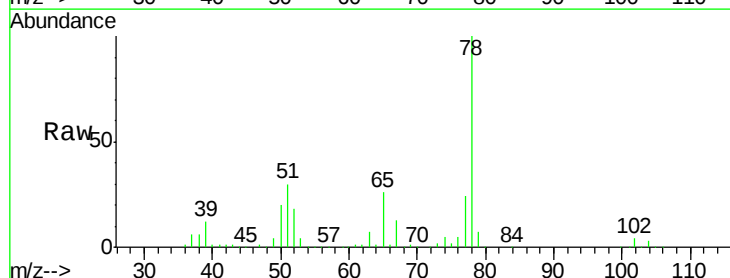
Manual Integrations
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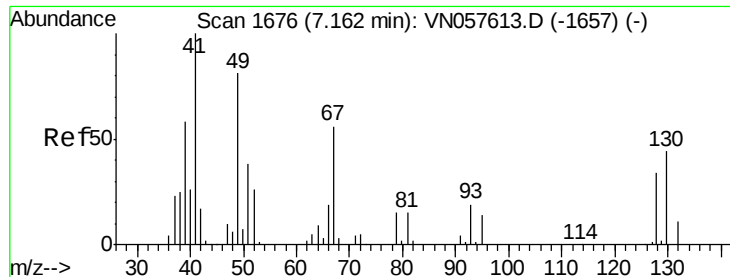
MMDadoda
9/3/2019 11:51:57 AM



#40
Benzene
Concen: 60.590 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





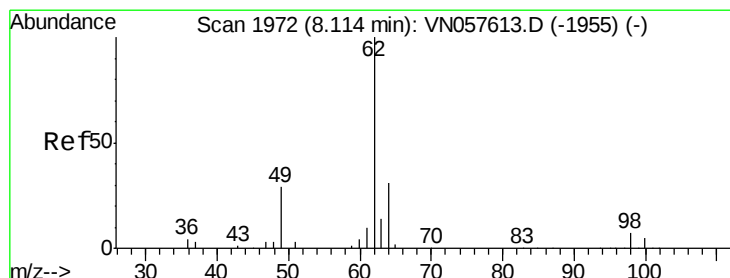
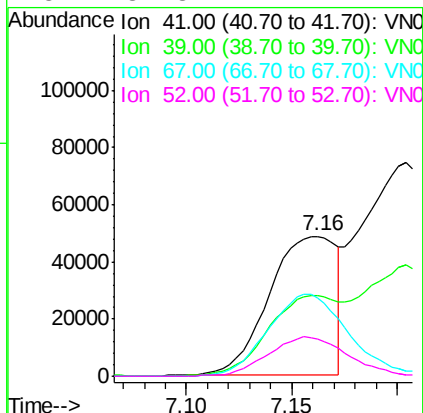
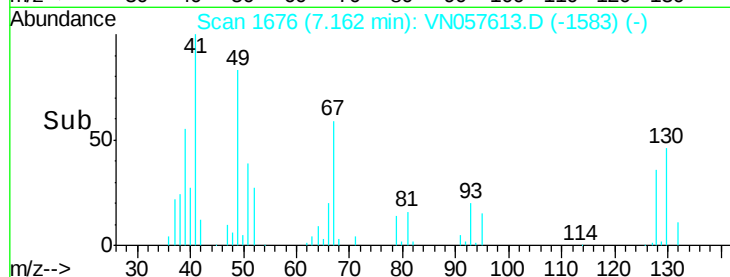
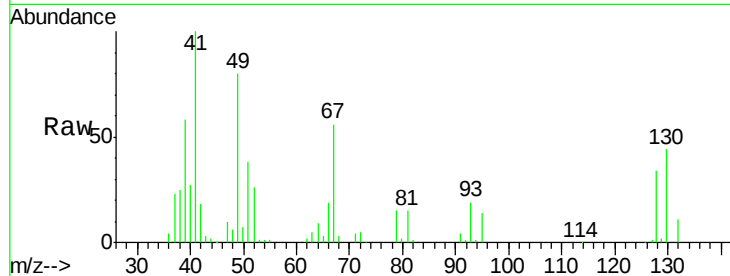
#41
Methacrylonitrile
Concen: 64.219 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	41	Resp	107882
Ion Ratio	Lower	Upper	
41	100		
39	63.2	50.6	75.8
67	71.1	56.9	85.3
52	34.3	27.4	41.2

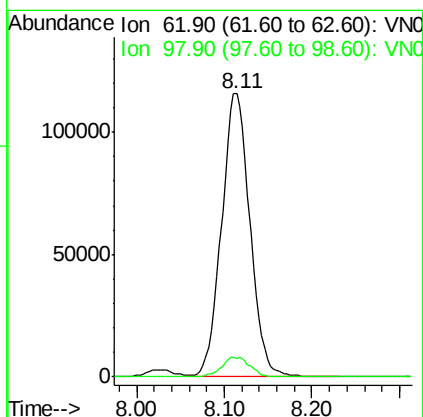
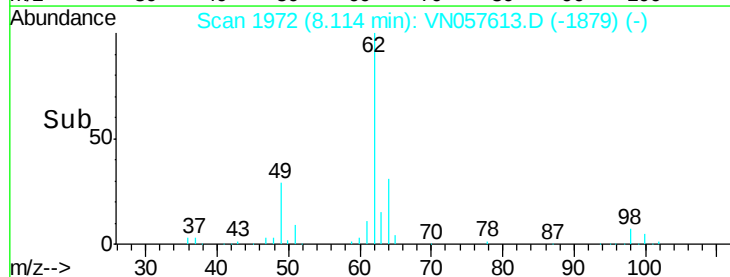
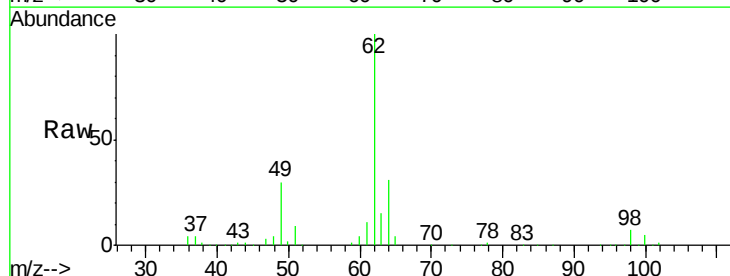
Manual Integrations
APPROVED

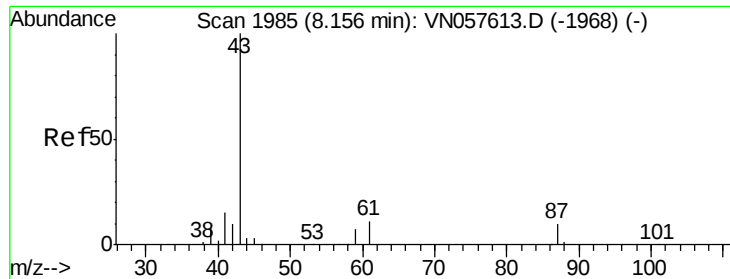
MMDadoda
9/3/2019 11:51:57 AM



#42
1,2-Dichloroethane
Concen: 63.565 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	62	Resp	260839
Ion Ratio	Lower	Upper	
62	100		
98	7.0	0.0	14.0





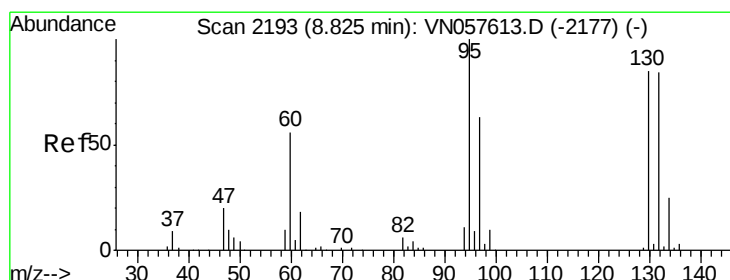
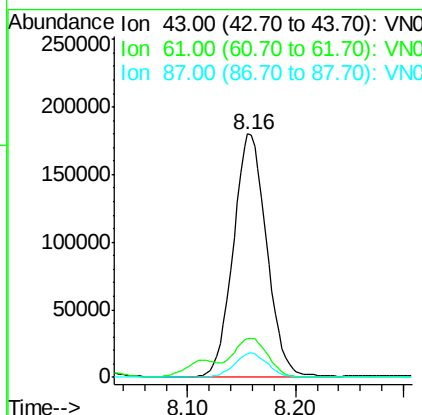
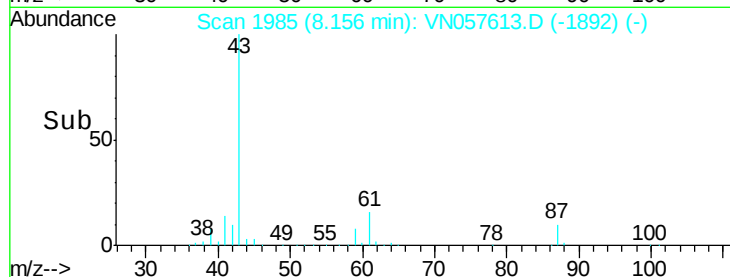
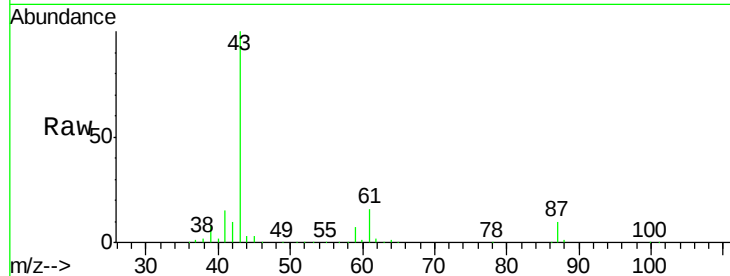
#43
Isopropyl Acetate
Concen: 61.092 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
61	16.4	13.1	19.7	
87	10.1	8.1	12.1	

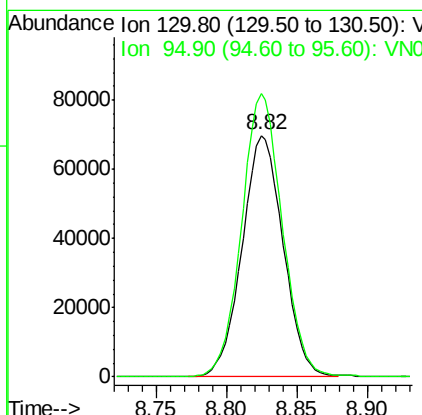
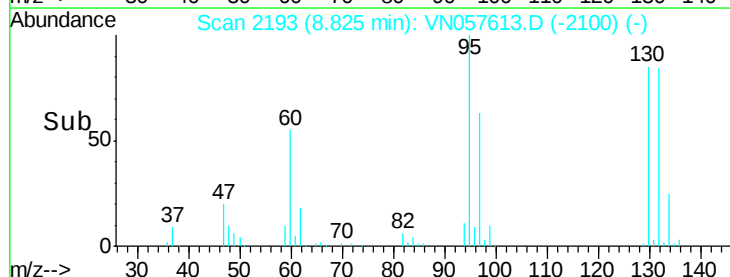
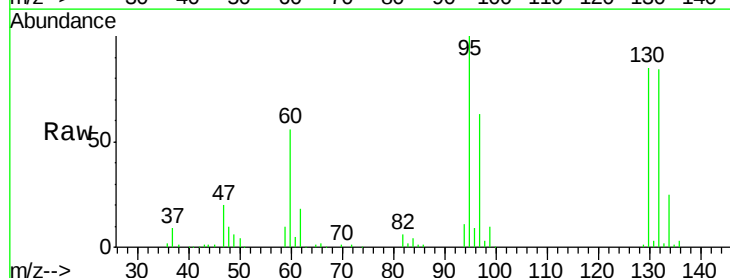
Manual Integrations
APPROVED

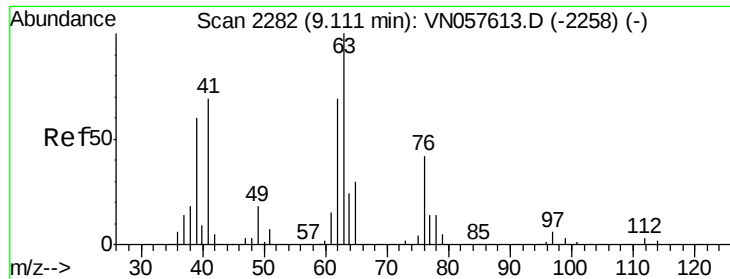
MMDadoda
9/3/2019 11:51:57 AM



#44
Trichloroethene
Concen: 60.879 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ion	Ratio	Lower	Upper
130	100			
95	117.2	0.0	234.4	





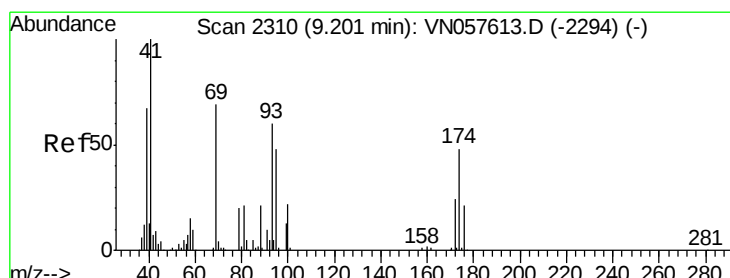
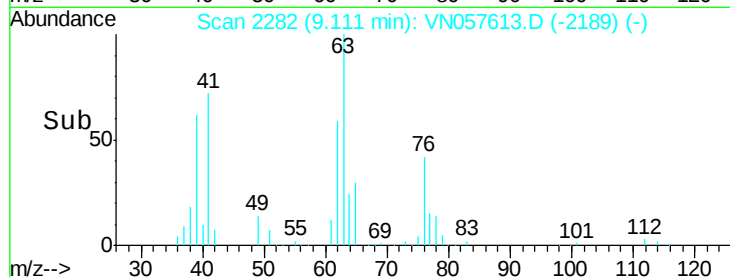
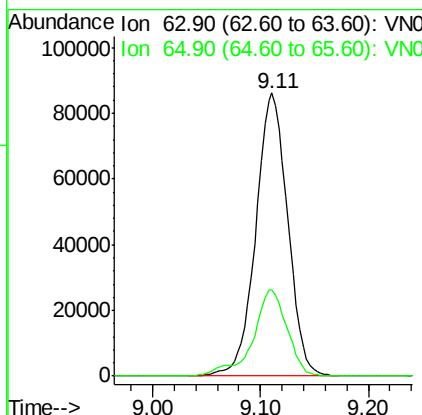
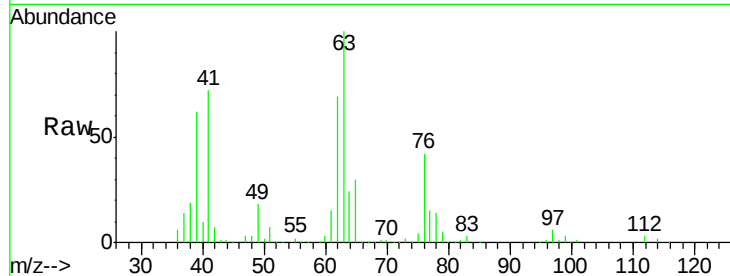
#45
 1,2-Dichloropropane
 Concen: 59.760 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

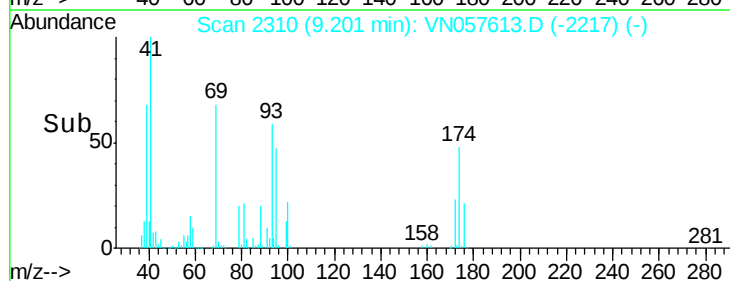
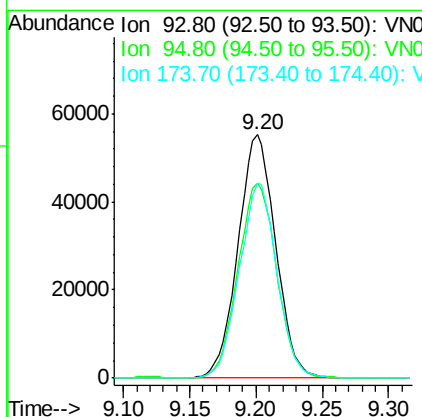
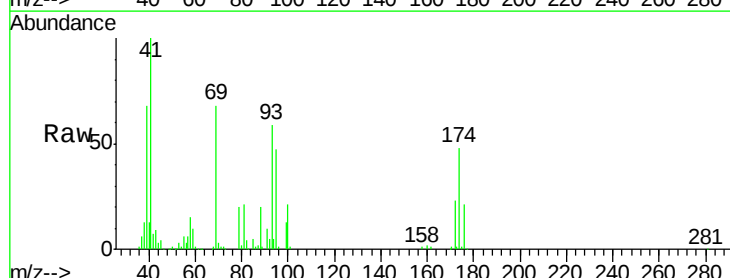
Manual Integrations
 APPROVED

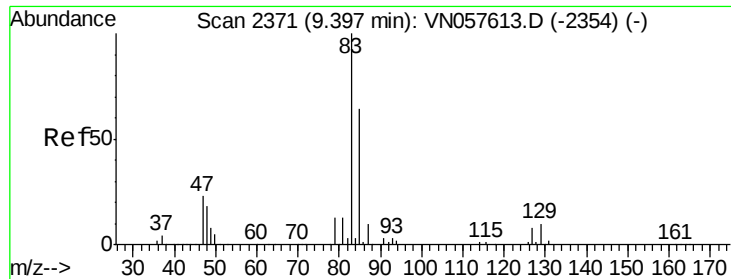
MMDadoda
 9/3/2019 11:51:57 AM



#46
 Dibromomethane
 Concen: 58.152 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.6
174	80.2	64.2	96.2





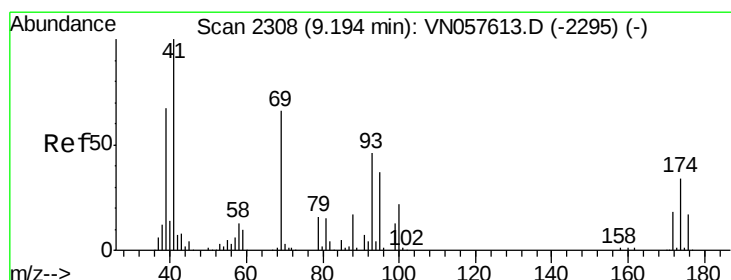
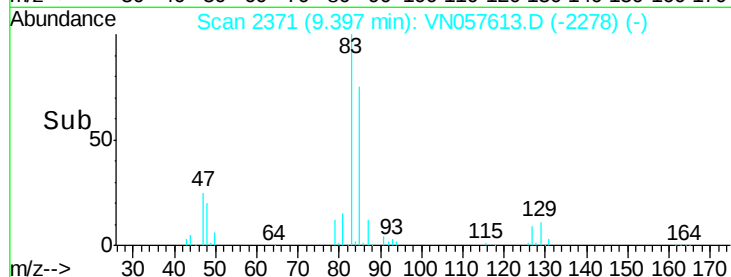
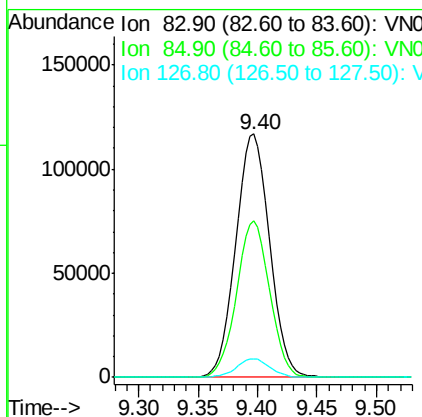
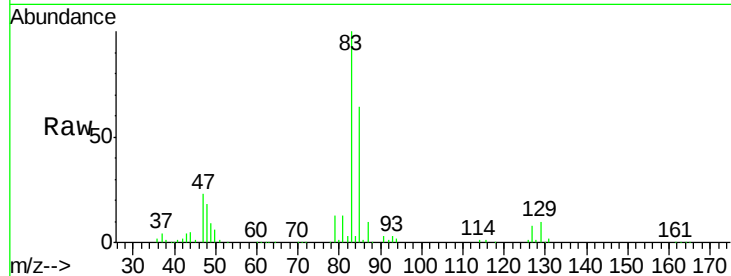
#47
Bromodichloromethane
Concen: 59.309 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230799		
85	64.2		51.4	77.0
127	7.6		6.1	9.1

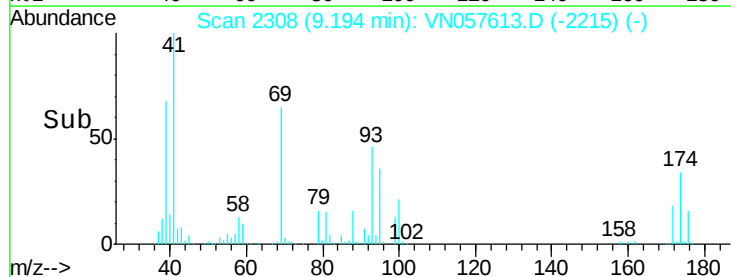
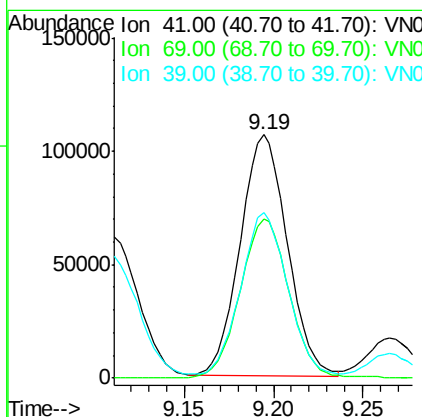
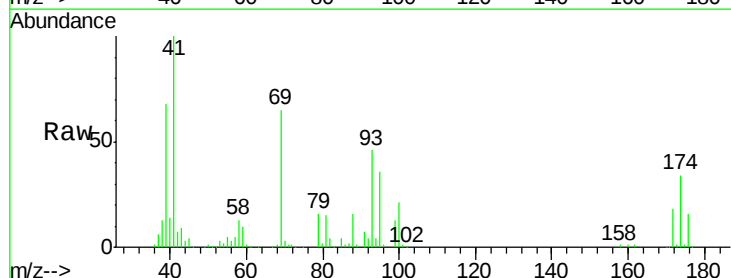
Manual Integrations
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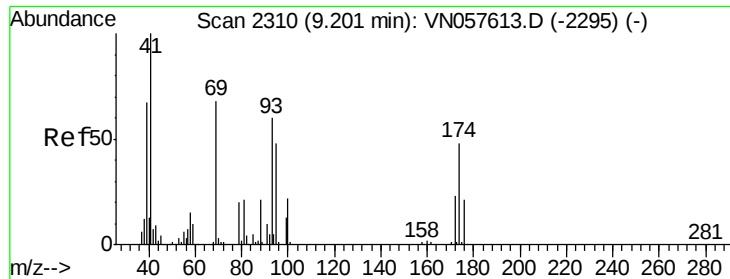
MMDadoda
9/3/2019 11:51:57 AM



#48
Methyl methacrylate
Concen: 64.264 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	195799		
69	68.9		55.1	82.7
39	69.3		55.4	83.2





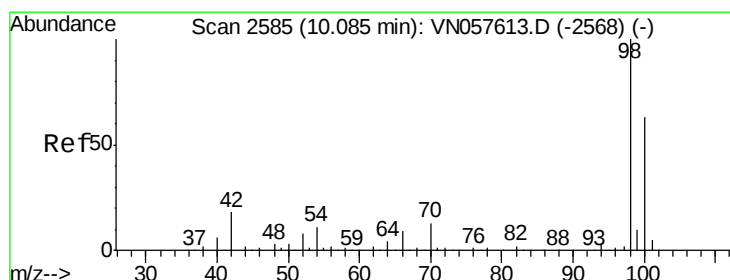
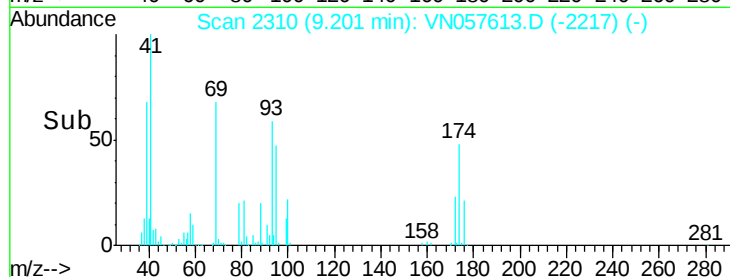
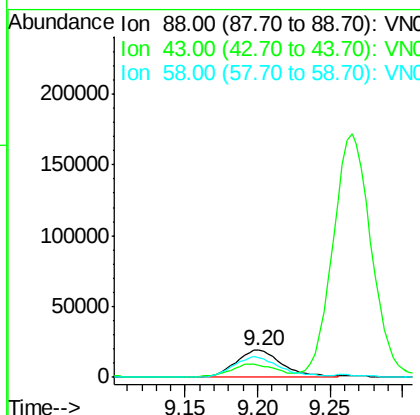
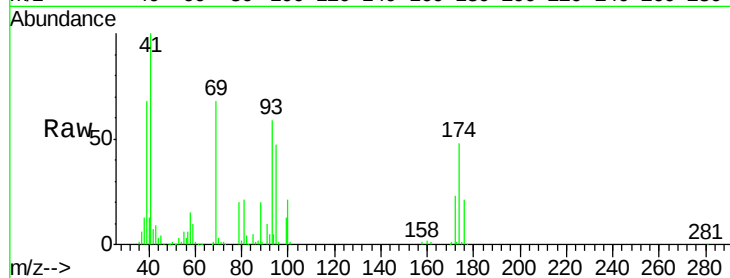
#49
1,4-Dioxane
Concen: 1118.611 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	42972
Ion	Ratio	Lower	Upper
88	100		
43	43.7	35.0	52.4
58	77.0	61.6	92.4

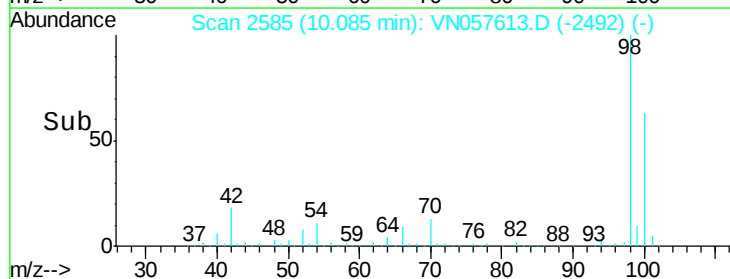
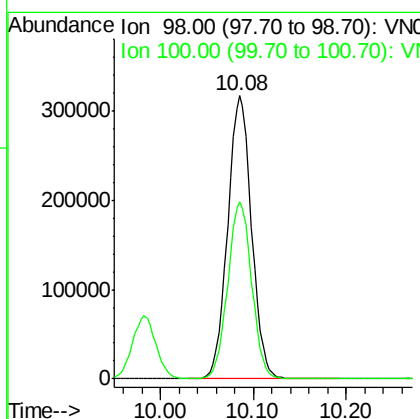
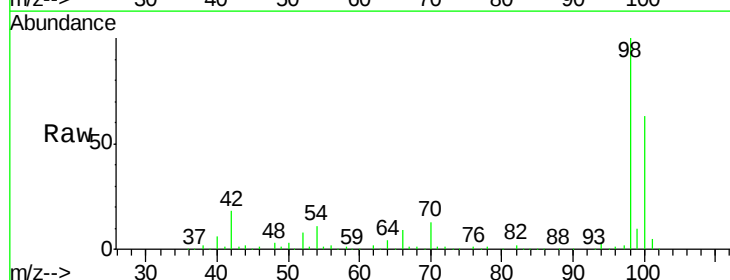
Manual Integrations
APPROVED

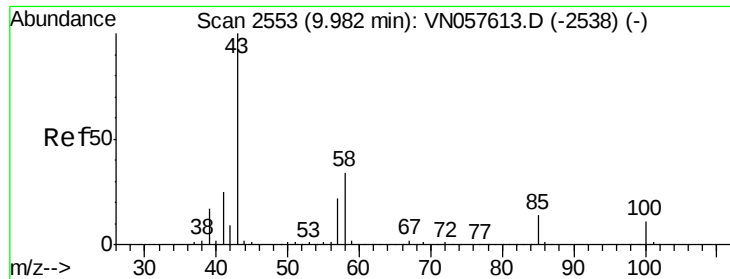
MMDadoda
9/3/2019 11:51:57 AM



#50
Toluene-d8
Concen: 63.967 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	98	Resp	564079
Ion	Ratio	Lower	Upper
98	100		
100	62.3	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 321.399 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1147021

Ion Ratio Lower Upper

43 100

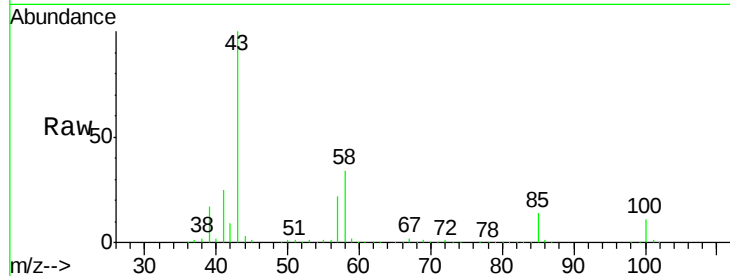
58 33.6 26.9 40.3

Manual Integrations

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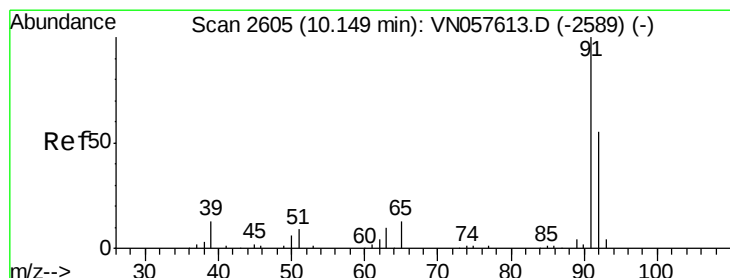
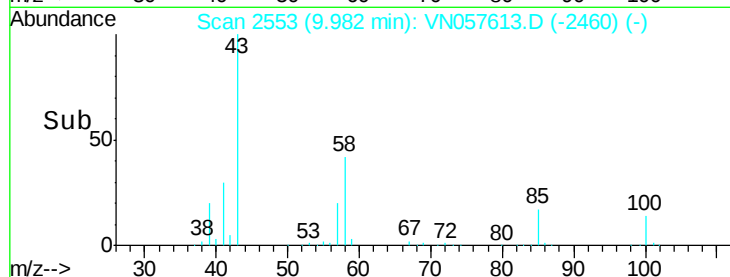
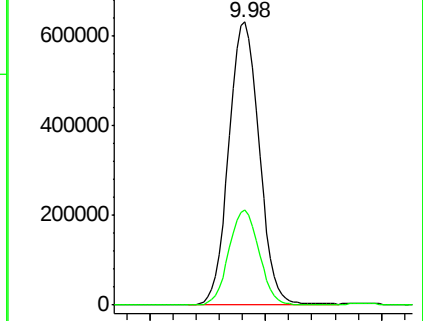
MMDadoda

9/3/2019 11:51:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 63.149 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057613.D

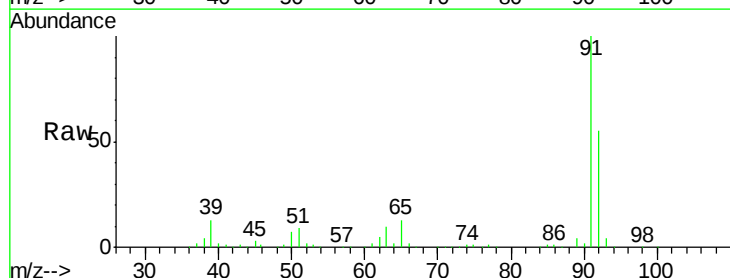
Acq: 31 Aug 2019 14:01

Tgt Ion: 92 Resp: 384254

Ion Ratio Lower Upper

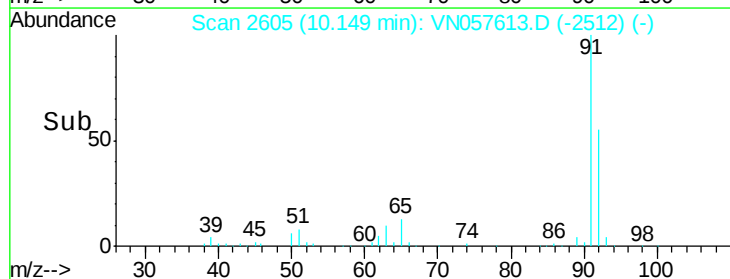
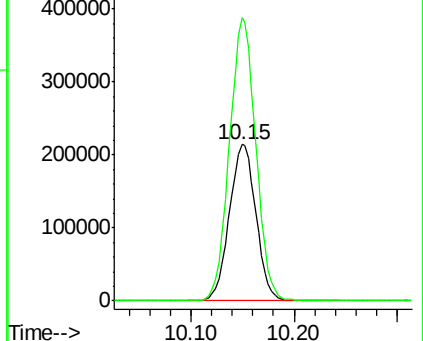
92 100

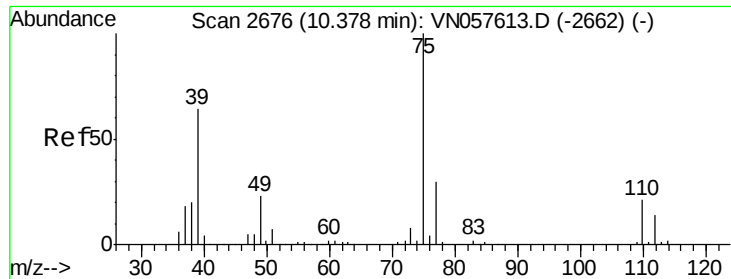
91 179.7 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





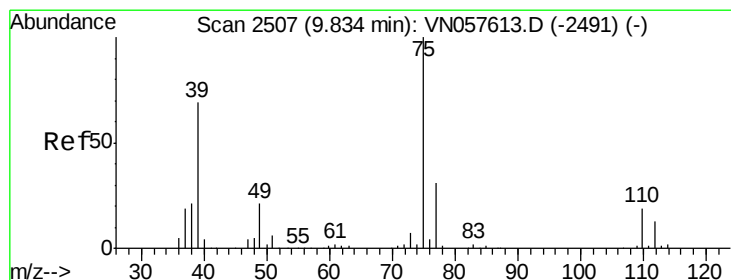
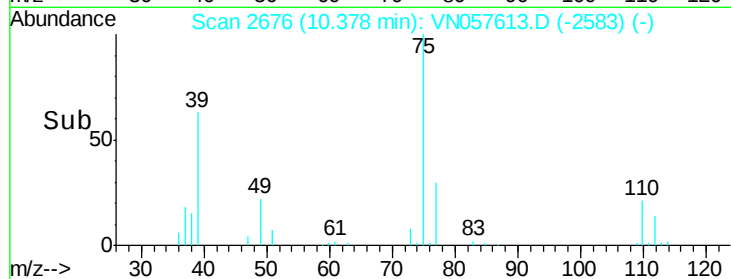
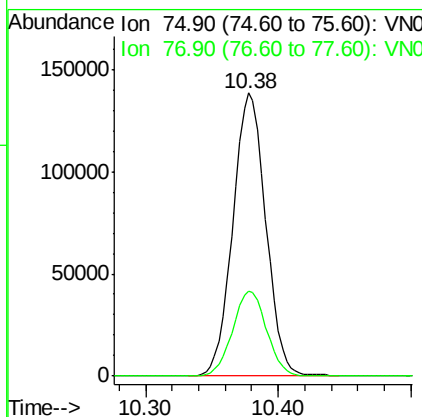
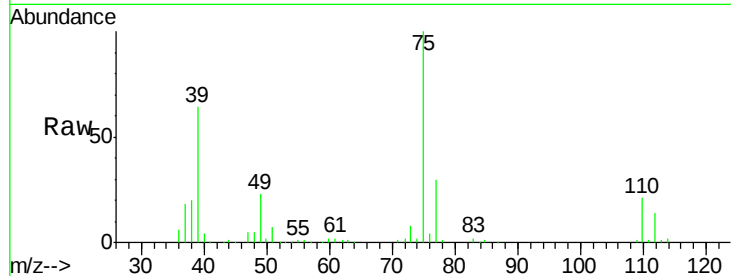
#53
t-1,3-Dichloropropene
Concen: 58.837 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	238613		
77	30.1	24.1	36.1	

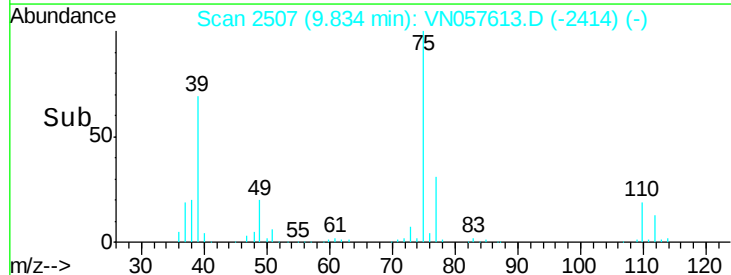
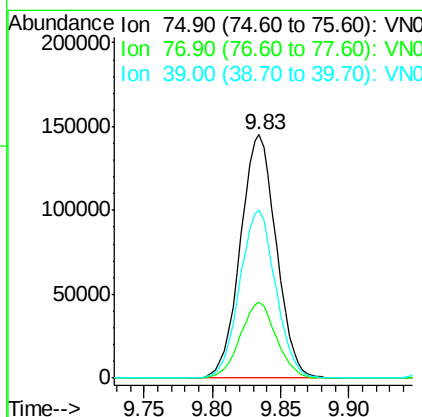
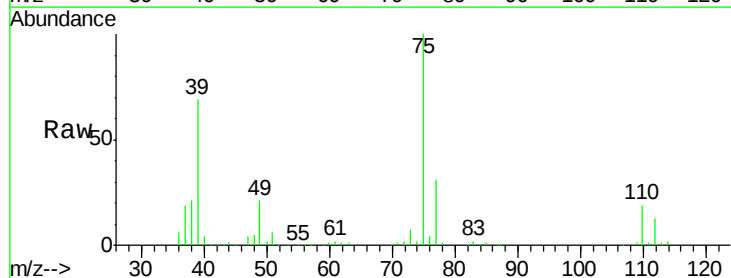
Manual Integrations
APPROVED

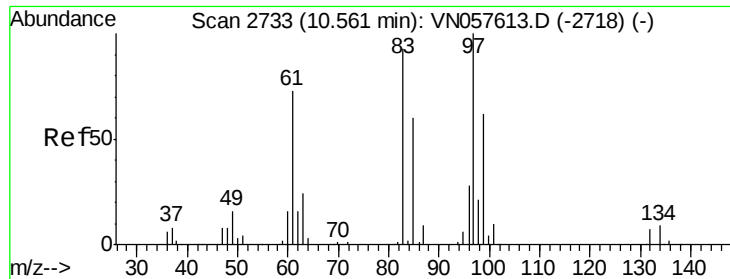
MMDadoda
9/3/2019 11:51:57 AM



#54
cis-1,3-Dichloropropene
Concen: 58.600 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	265164		
77	31.0	24.8	37.2	
39	68.7	55.0	82.4	





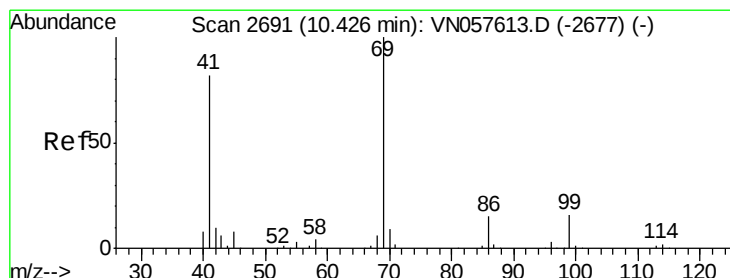
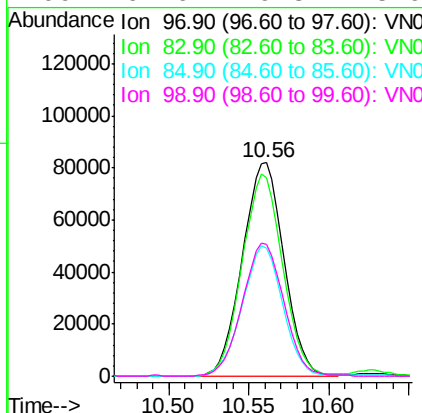
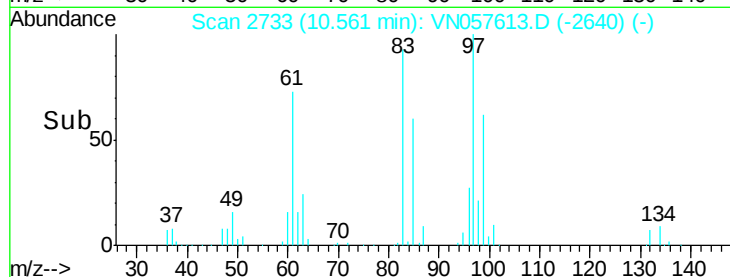
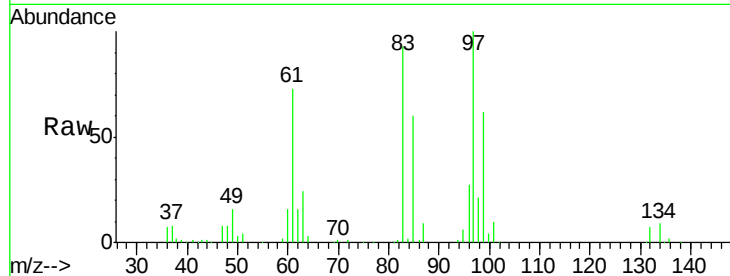
#55
 1,1,2-Trichloroethane
 Concen: 59.726 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	145894
Ion	Ratio	Lower	Upper
97	100		
83	92.7	74.2	111.2
85	59.8	47.8	71.8
99	61.6	49.3	73.9

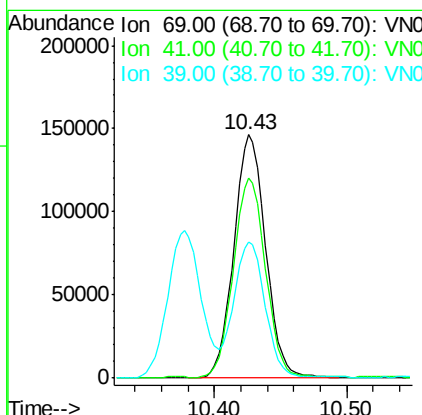
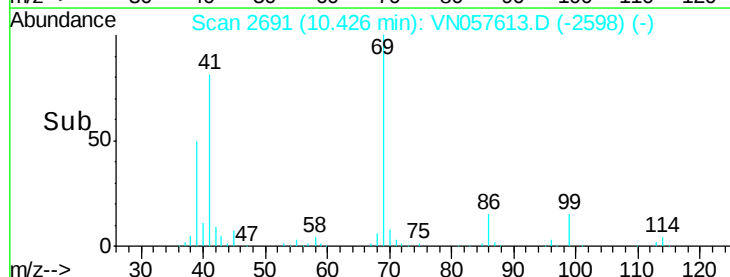
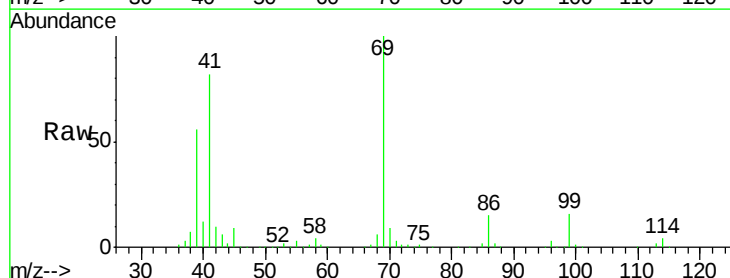
Manual Integrations
 APPROVED

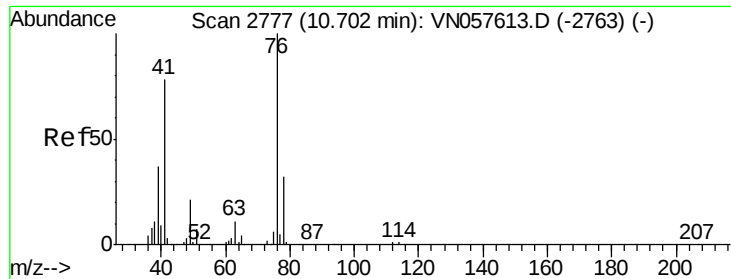
MMDadoda
 9/3/2019 11:51:57 AM



#56
 Ethyl methacrylate
 Concen: 63.112 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion:	69	Resp:	243428
Ion	Ratio	Lower	Upper
69	100		
41	82.2	65.8	98.6
39	54.8	43.8	65.8





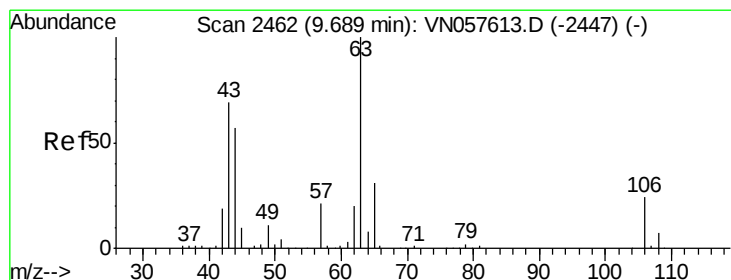
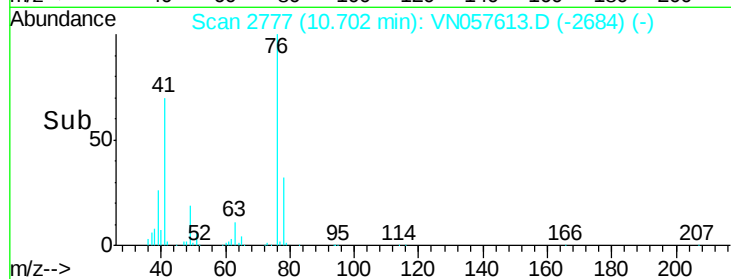
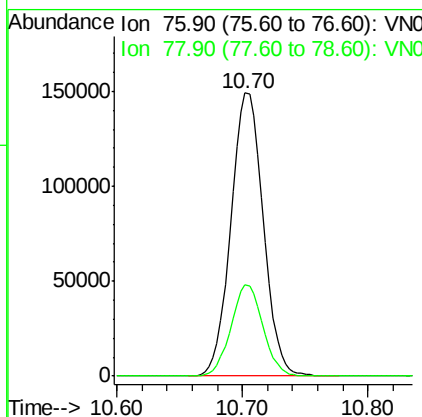
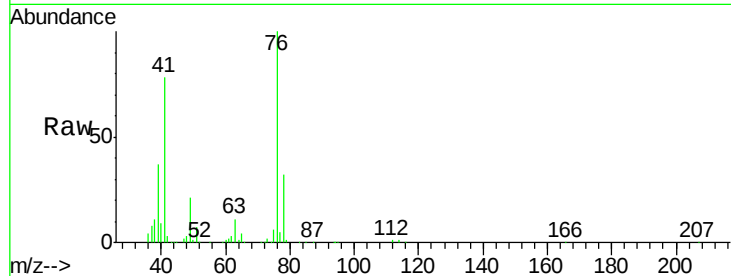
#57
 1,3-Dichloropropane
 Concen: 62.511 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

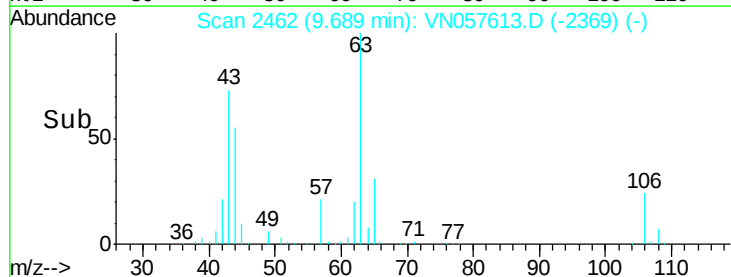
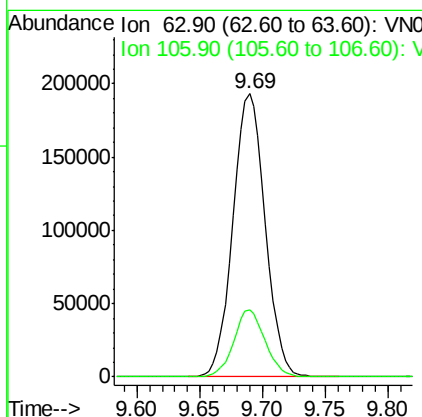
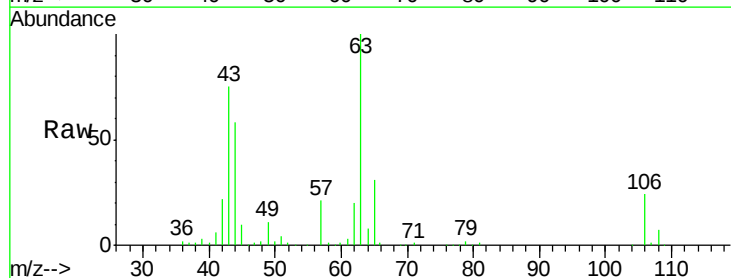
Manual Integrations
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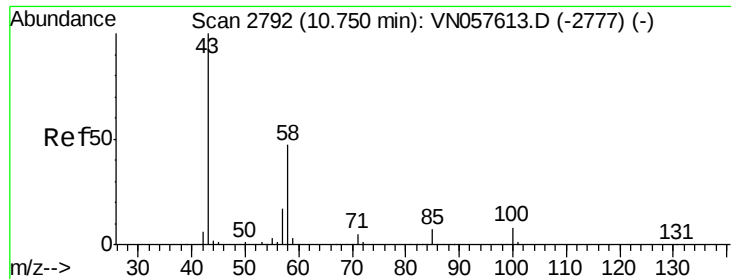
MMDadoda
 9/3/2019 11:51:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 368.519 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.9	18.3	27.5





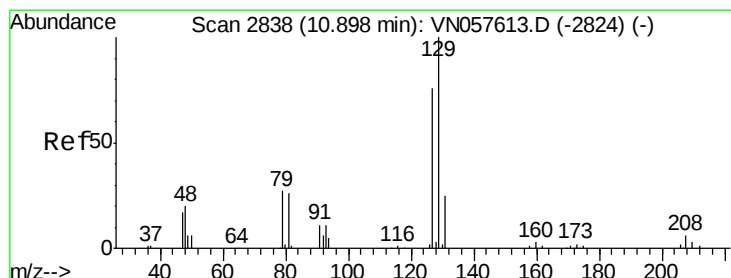
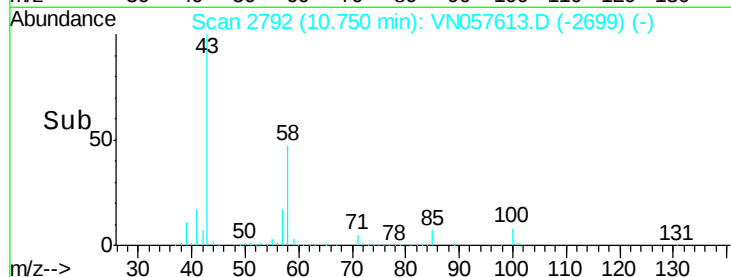
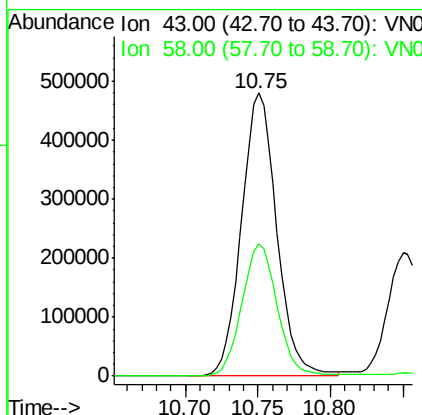
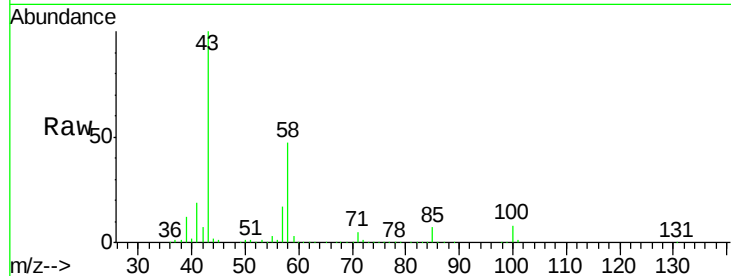
#59
2-Hexanone
Concen: 329.036 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	58	Resp	809919
Ion Ratio	100	47.0	Lower	Upper
		23.5		70.5

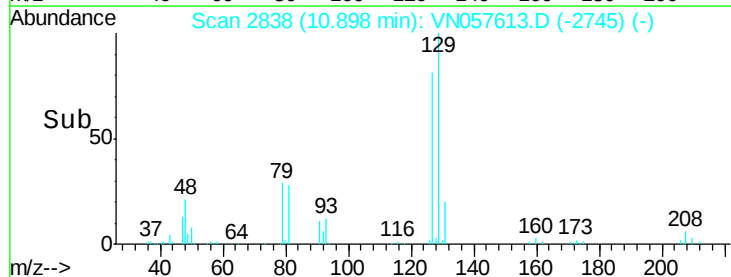
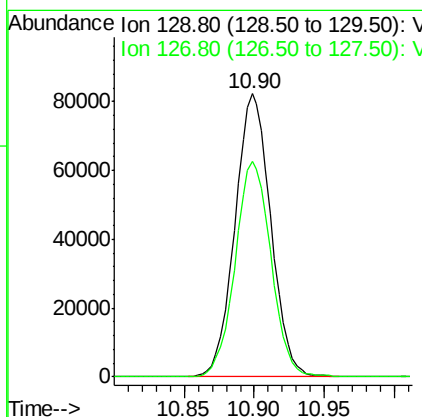
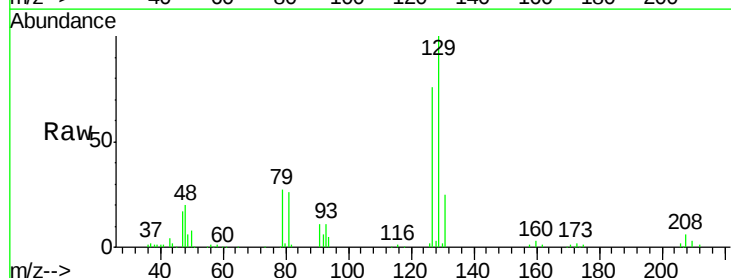
Manual Integrations
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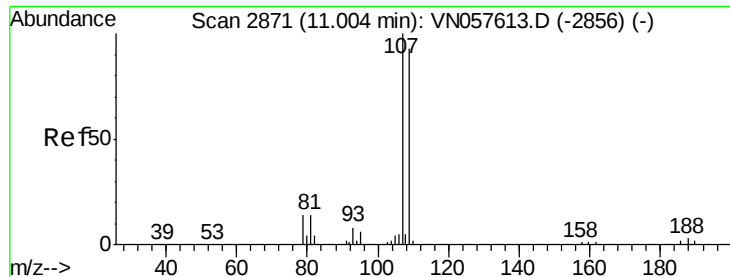
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#60
Dibromochloromethane
Concen: 57.428 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	129	127	Resp	146252
Ion Ratio	100	76.5	Lower	Upper
		38.3		114.8





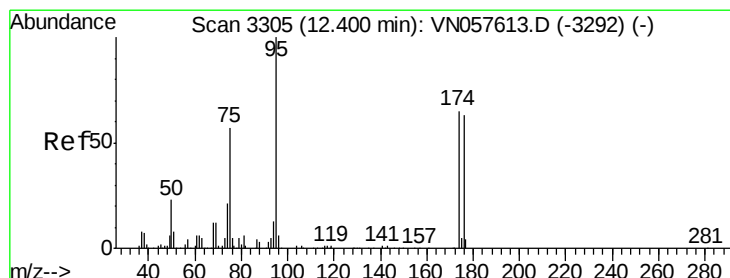
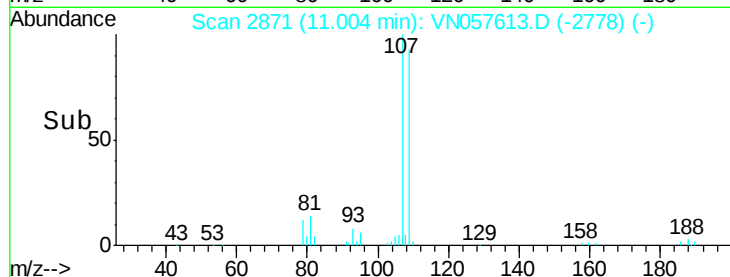
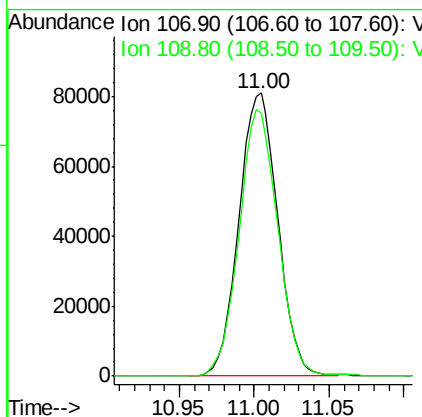
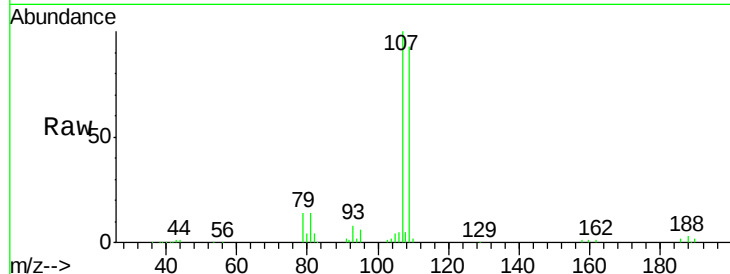
#61
 1,2-Dibromoethane
 Concen: 61.290 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	146466		
109	93.7	75.0	112.4	

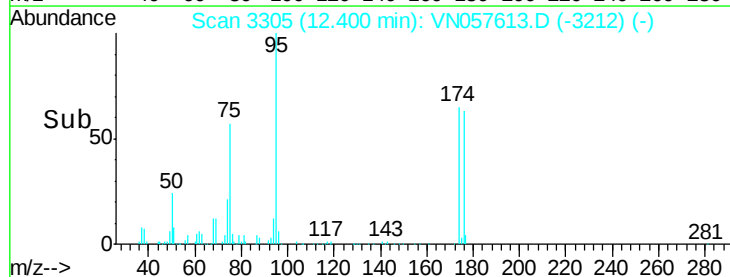
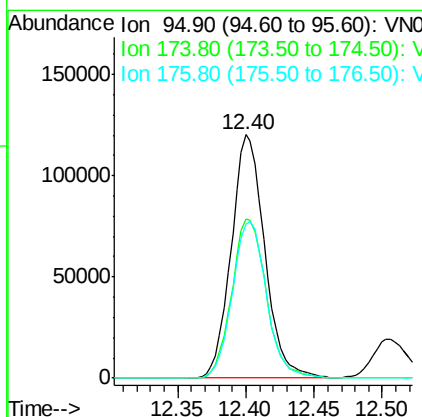
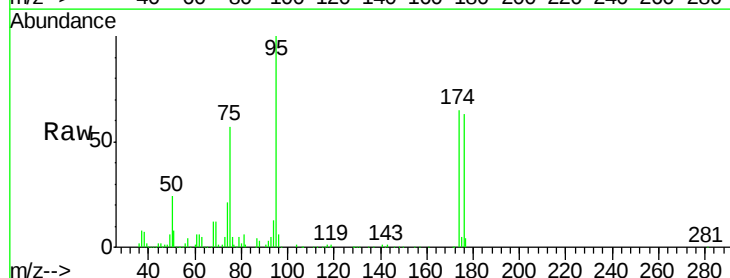
Manual Integrations
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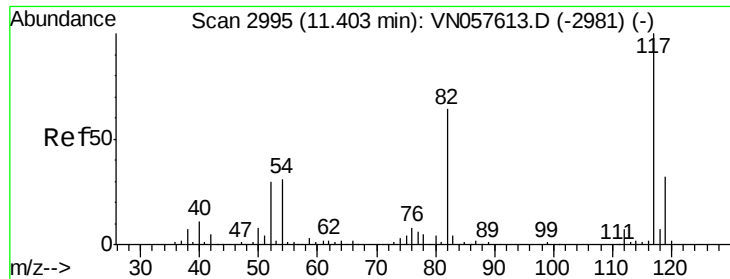
MMDadoda
 9/3/2019 11:51:57 AM



#62
 4-Bromofluorobenzene
 Concen: 67.269 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	204839		
174	67.4	0.0	134.8	
176	65.8	0.0	131.6	





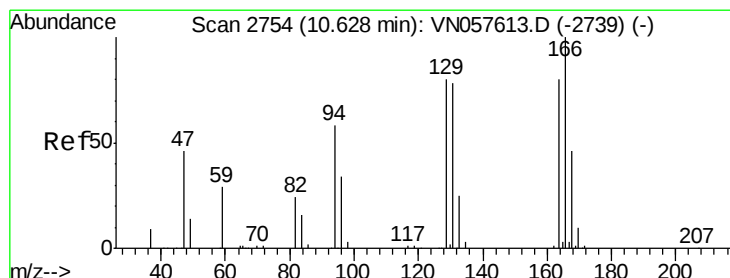
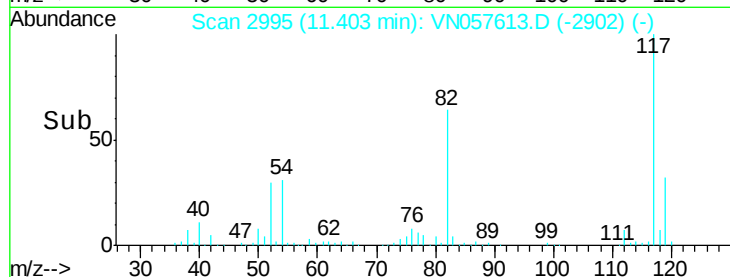
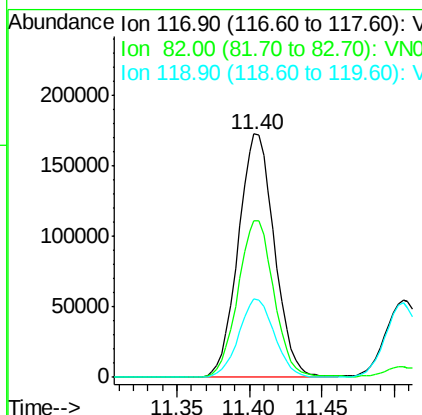
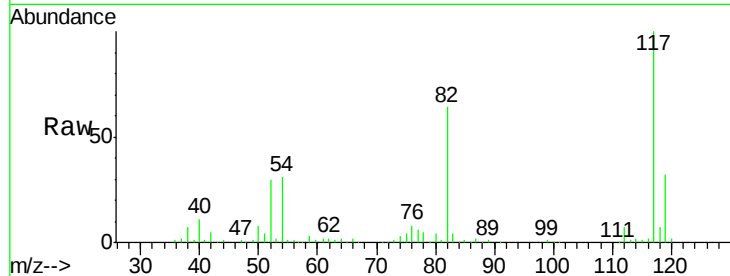
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	51.6	77.4
119	32.2	25.8	38.6

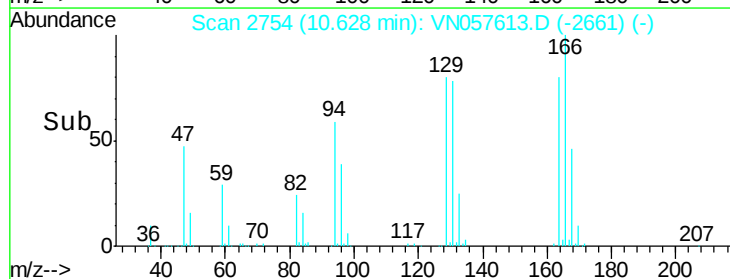
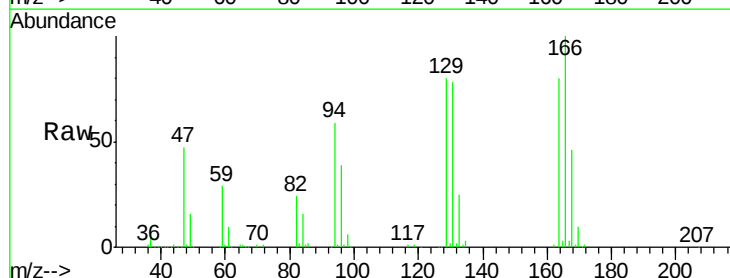
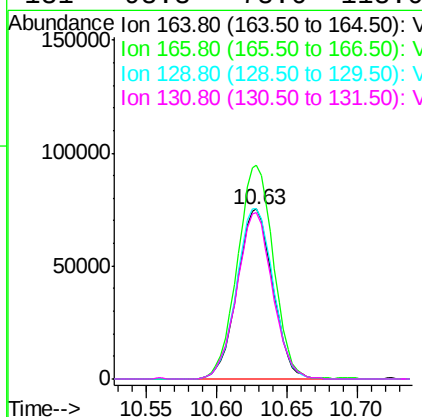
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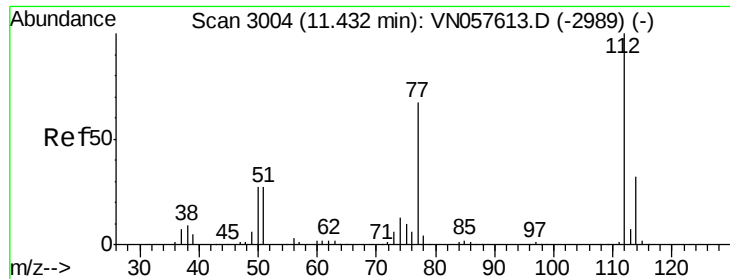
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#64
Tetrachloroethene
Concen: 59.935 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	100.5	80.4	120.6
131	98.3	78.6	118.0





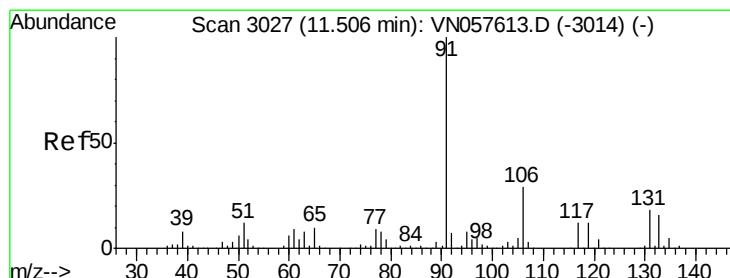
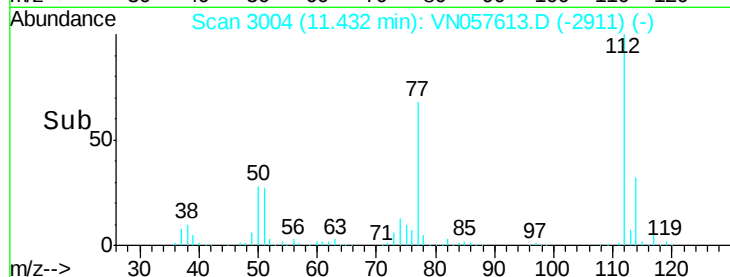
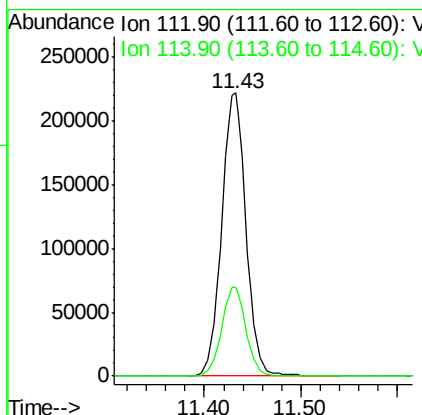
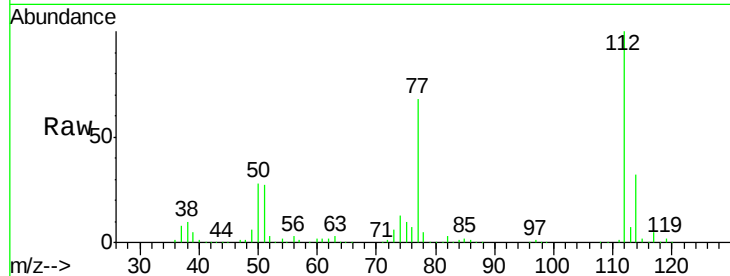
#65
Chlorobenzene
Concen: 59.912 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 384480
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

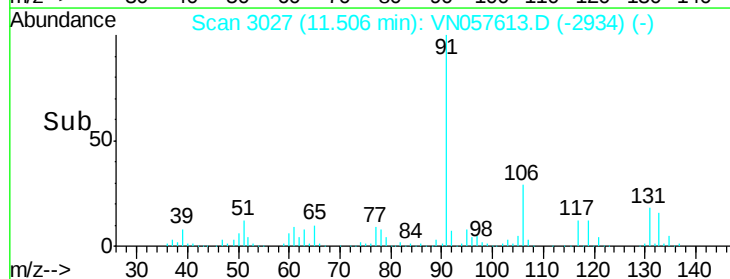
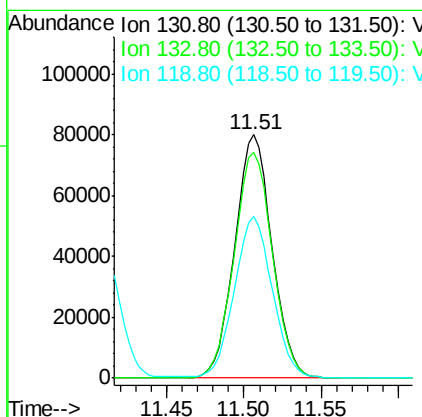
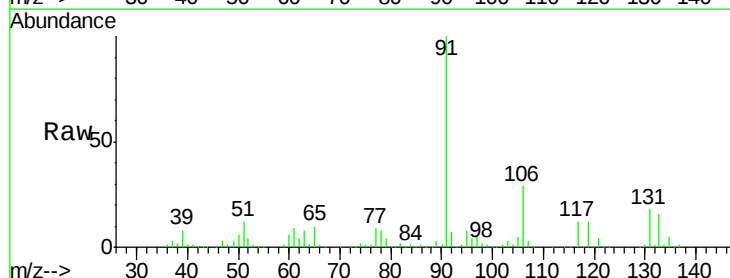
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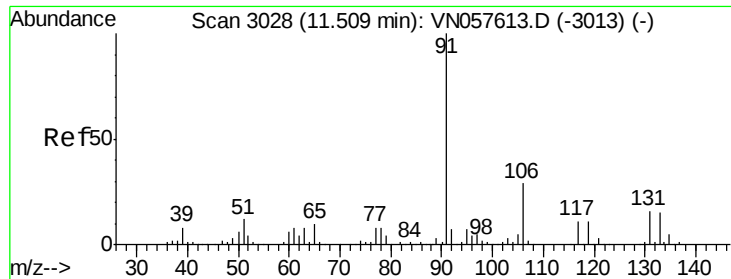
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.475 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion:131 Resp: 133881
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.4
119 67.7 33.9 101.6





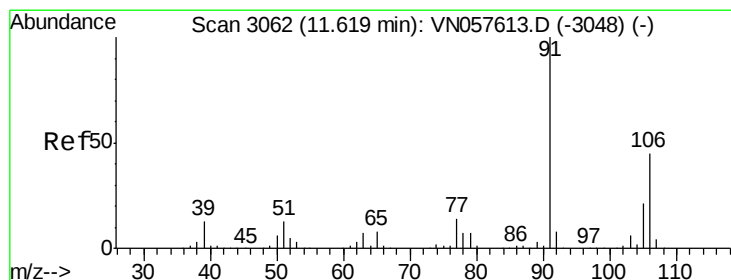
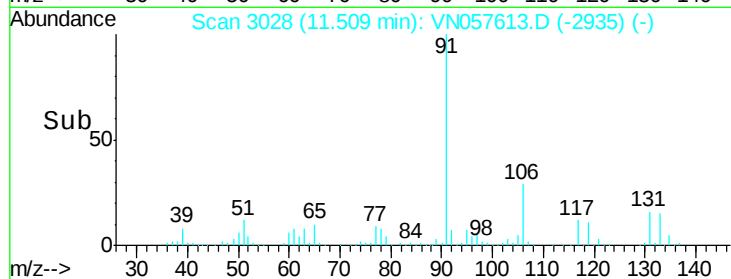
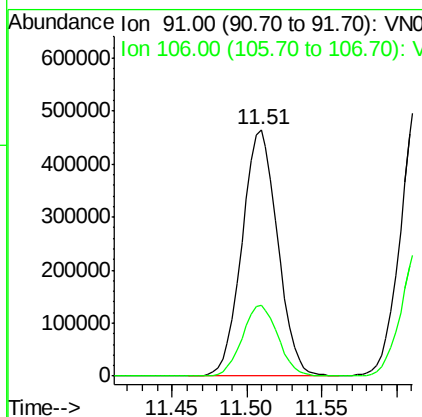
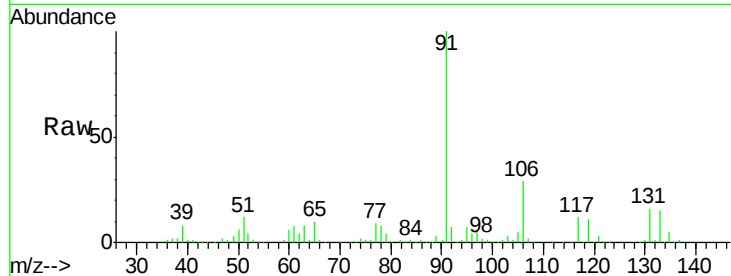
#67
Ethyl Benzene
Concen: 61.854 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 769529
Ion Ratio Lower Upper
91 100
106 28.6 22.9 34.3

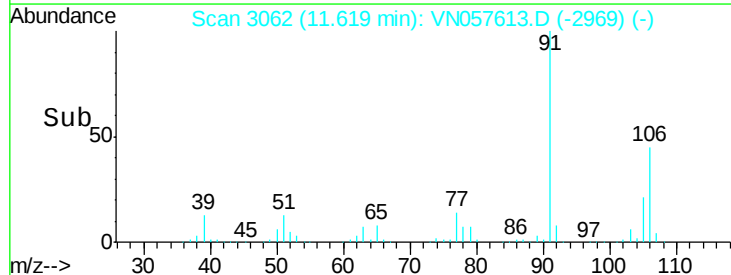
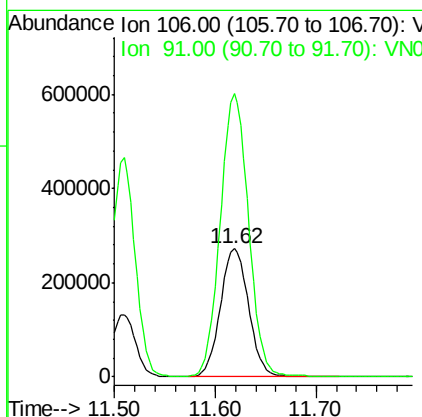
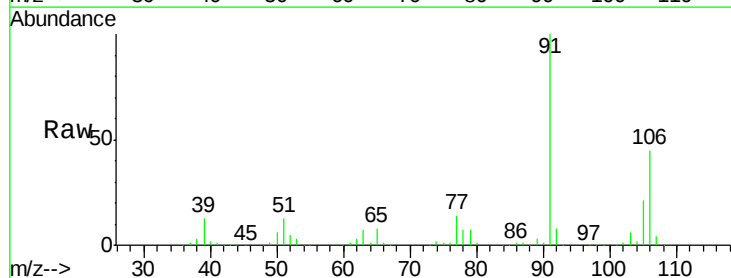
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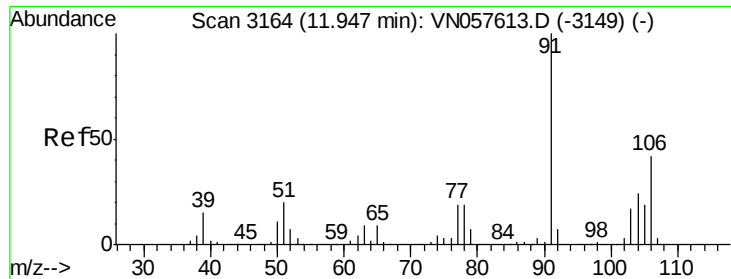
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#68
m/p-Xylenes
Concen: 126.678 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion: 106 Resp: 535784
Ion Ratio Lower Upper
106 100
91 220.2 176.2 264.2





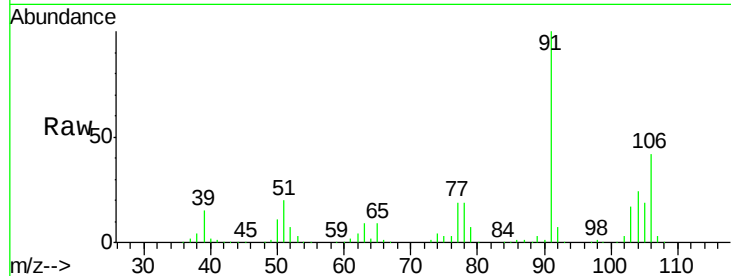
#69
o-Xylene
Concen: 62.205 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

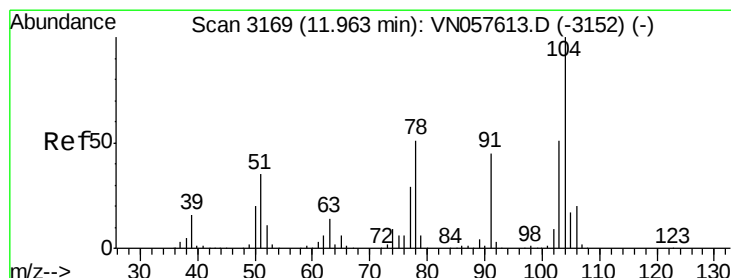
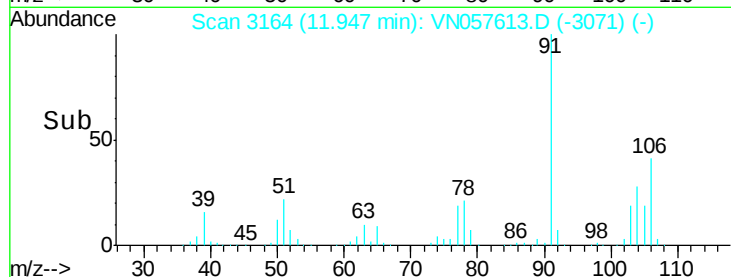
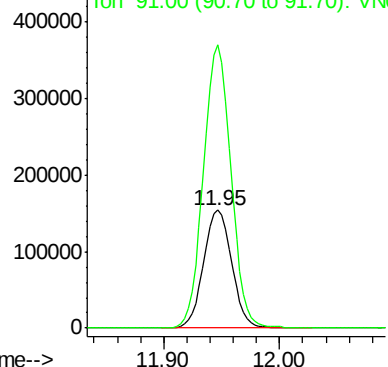
Tot Ion:106 Resp: 259610
Ion Ratio Lower Upper
106 100
91 234.5 117.3 351.8

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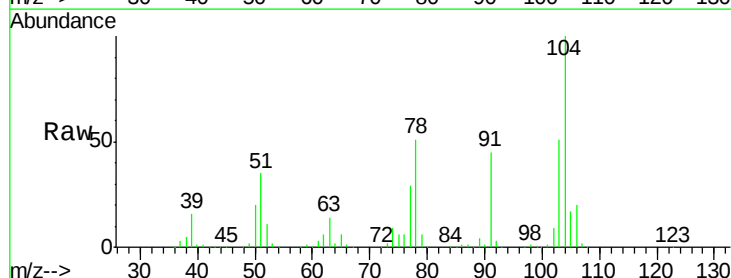


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

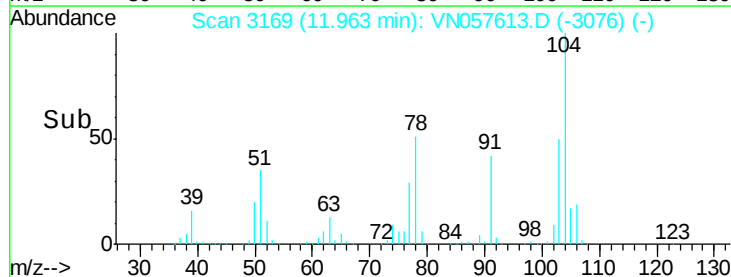
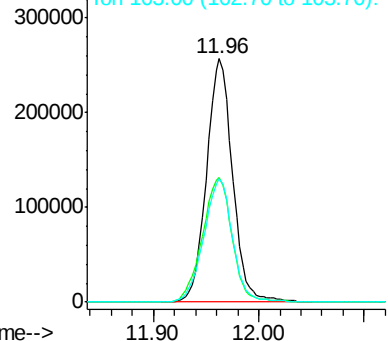


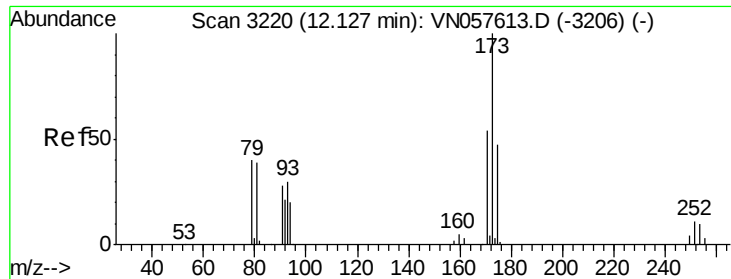
#70
Styrene
Concen: 65.871 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion:104 Resp: 438705
Ion Ratio Lower Upper
104 100
78 58.3 46.6 70.0
103 55.9 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





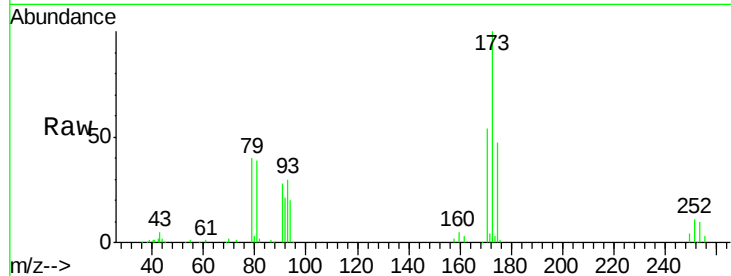
#71
Bromoform
Concen: 54.427 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

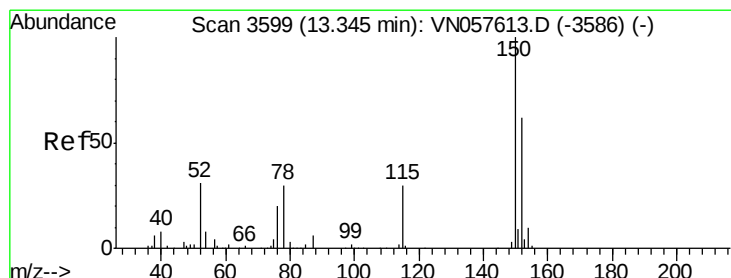
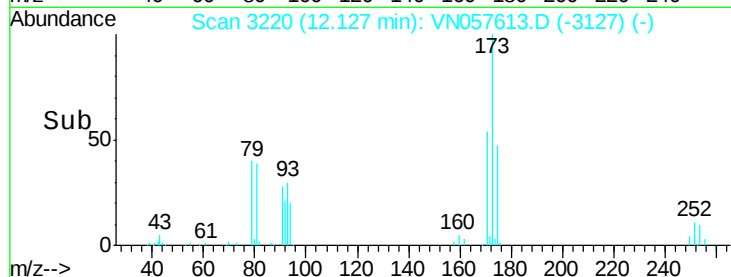
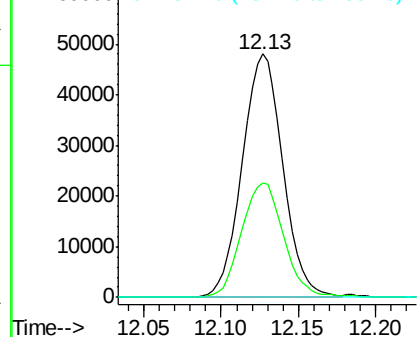
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.0	0.0	0.0

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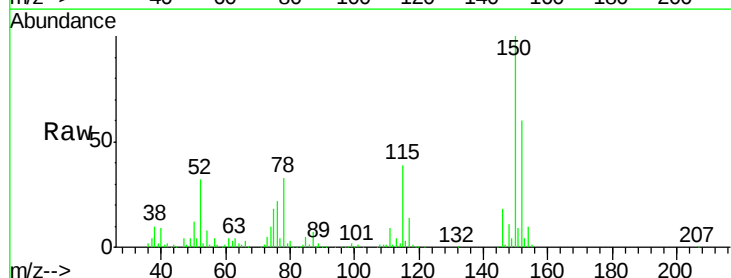


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

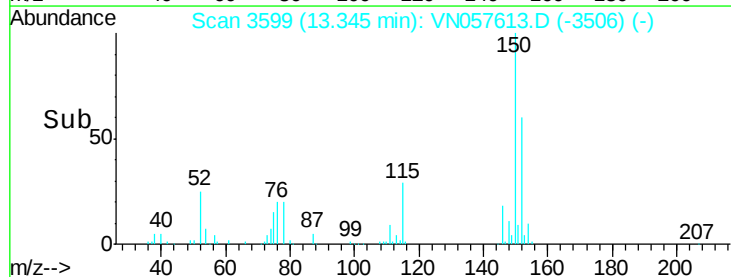
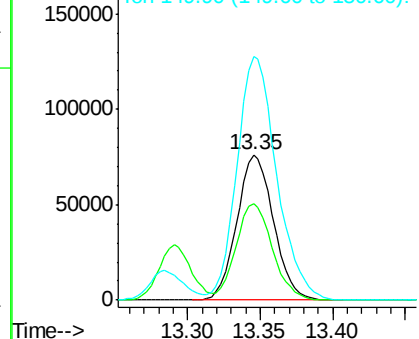


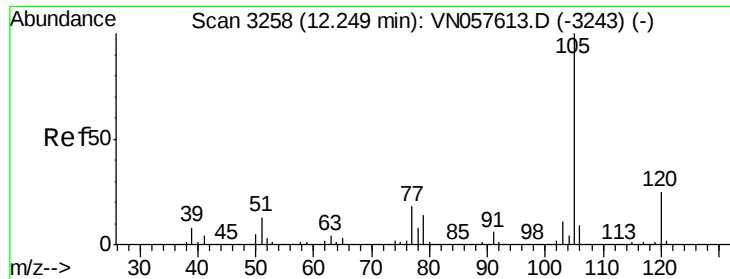
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	33.2	99.6
150	182.6	0.0	365.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.360 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 105 Resp: 722256

Ion Ratio Lower Upper

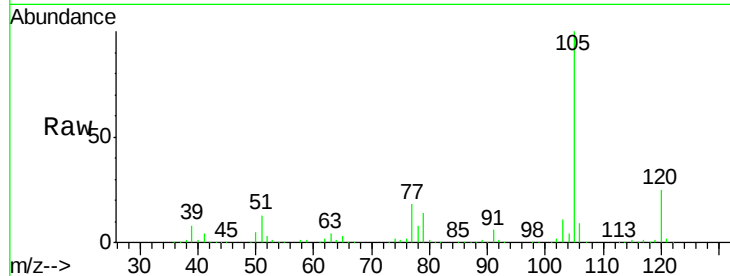
105 100

120 25.4 12.7 38.1

Manual Integrations
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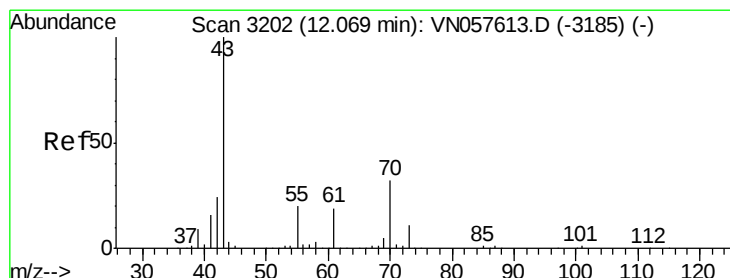
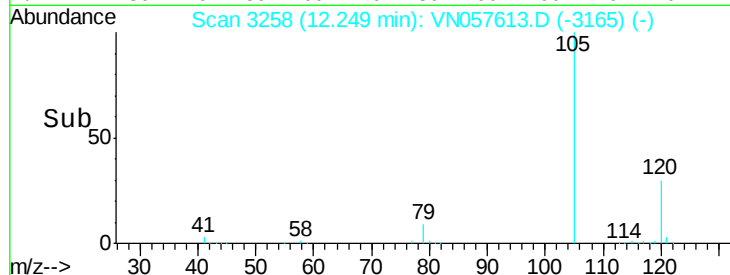
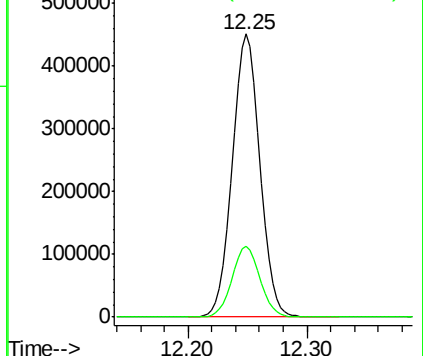
MMDadoda

9/3/2019 11:51:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.134 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Tgt Ion: 43 Resp: 337040

Ion Ratio Lower Upper

43 100

70 33.6 26.9 40.3

55 21.0 16.8 25.2

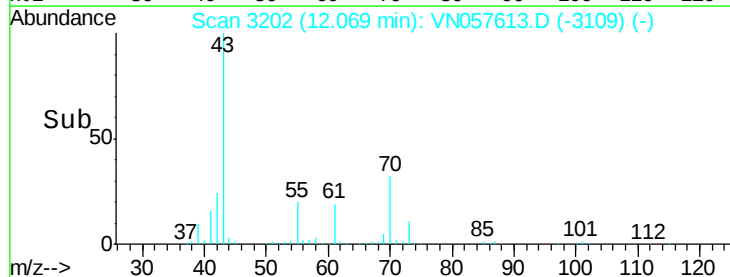
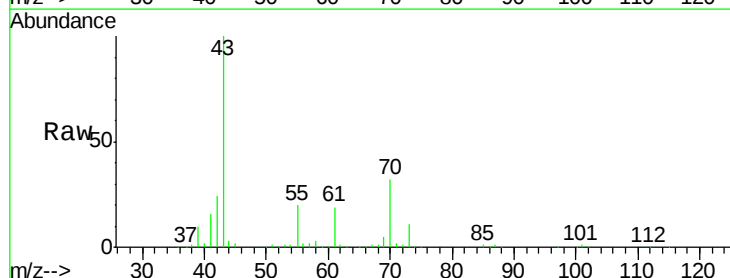
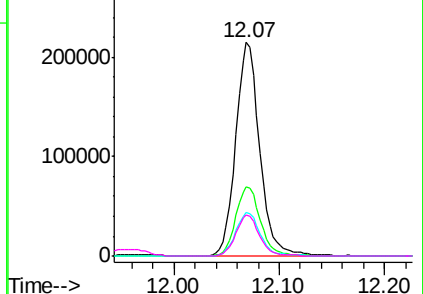
61 18.9 15.1 22.7

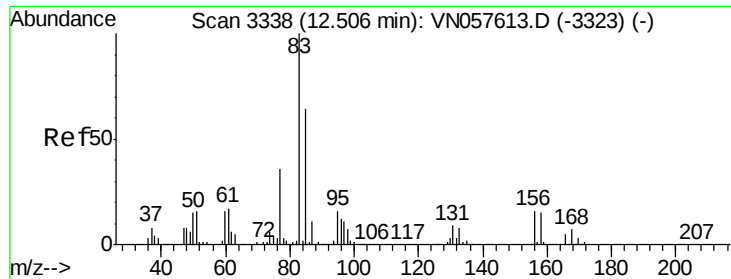
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.384 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 207559
Ion Ratio Lower Upper

83 100

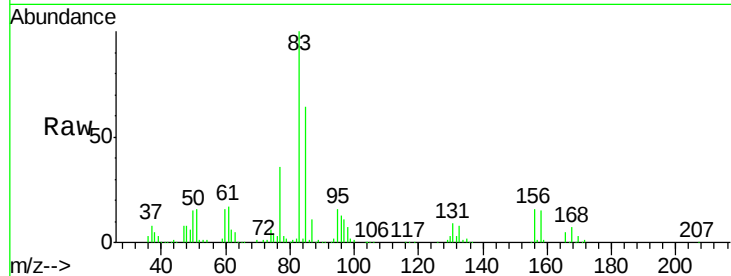
131 9.1 4.5 13.7

85 62.5 31.3 93.8

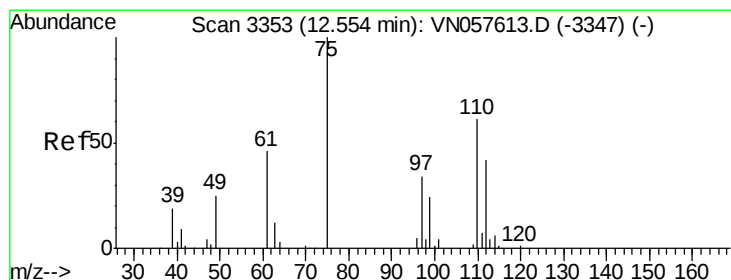
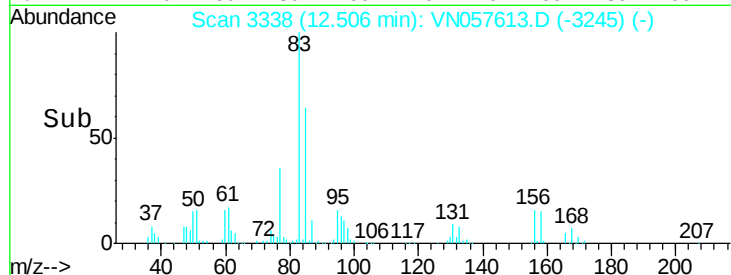
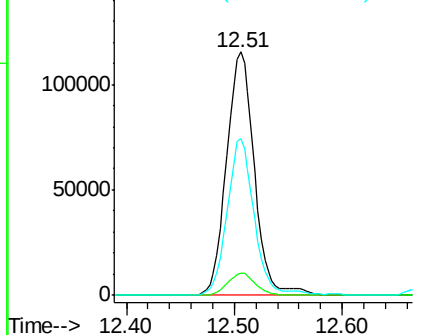
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 51.627 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

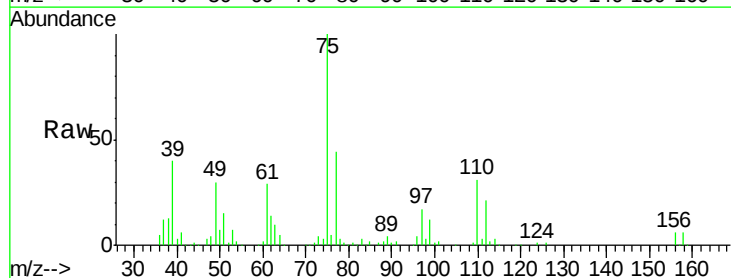
Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

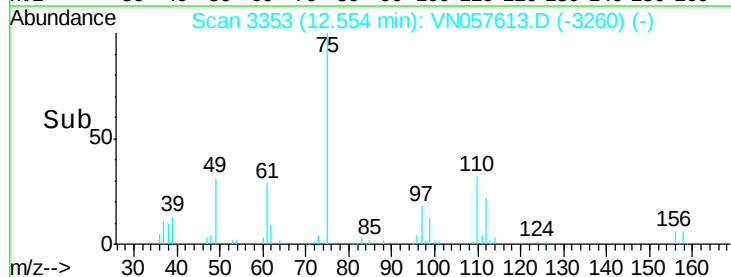
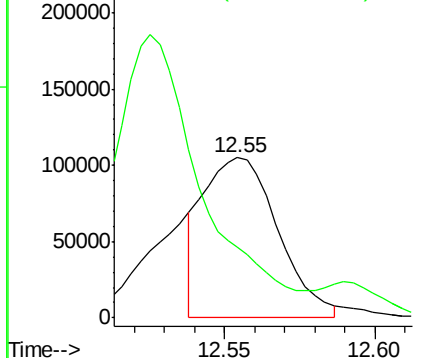
Tgt Ion: 75 Resp: 180523
Ion Ratio Lower Upper

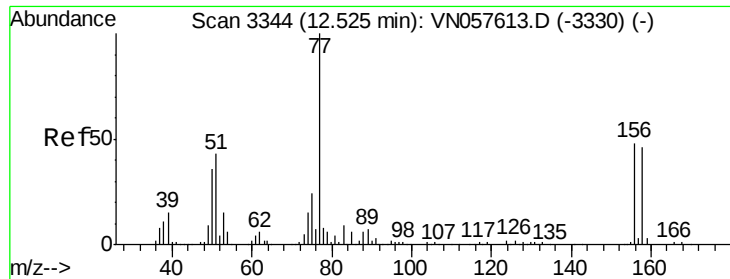
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.663 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

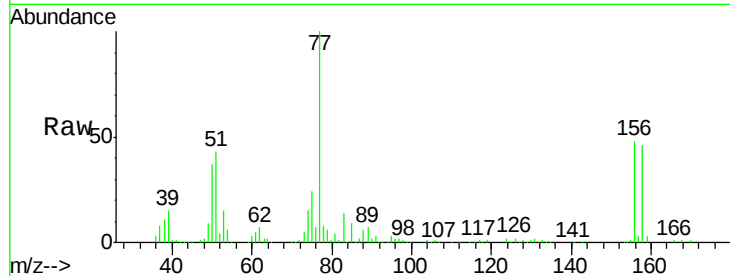
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	154627
Ion Ratio	Lower	Upper	
156	100		
77	247.0	123.5	370.5
158	95.5	47.8	143.3

Manual Integrations
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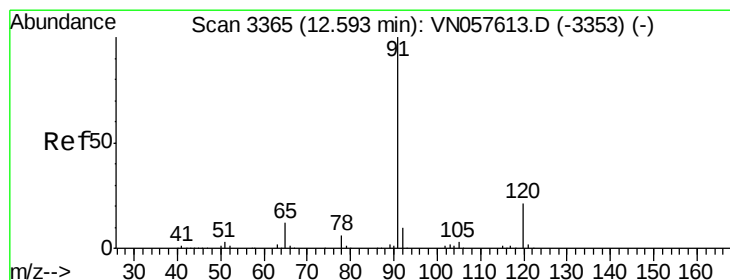
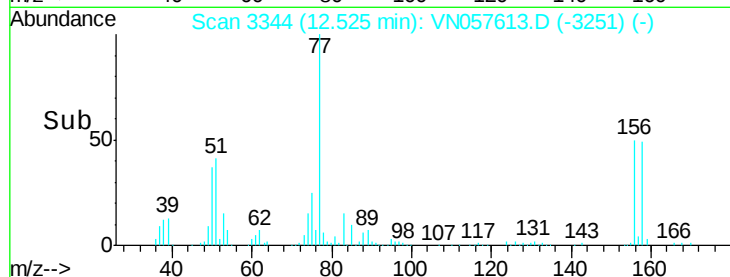
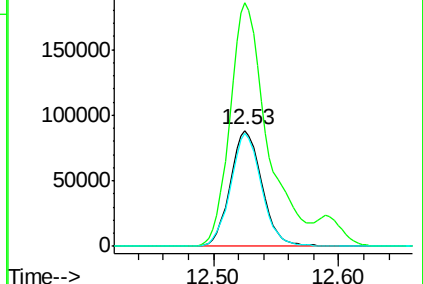
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.486 ug/l

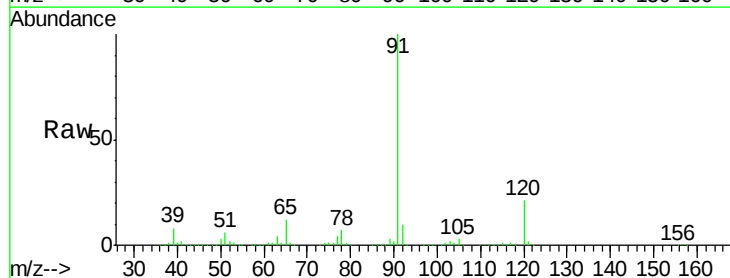
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057613.D

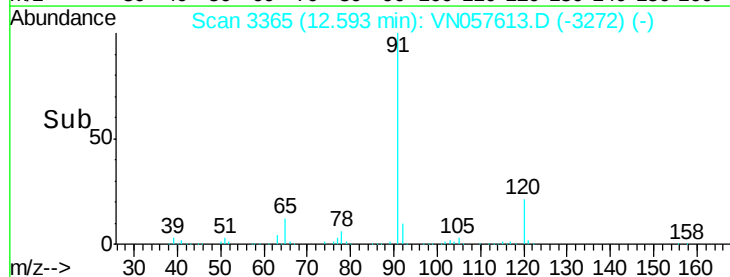
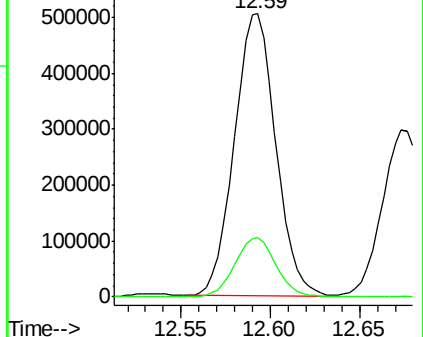
Acq: 31 Aug 2019 14:01

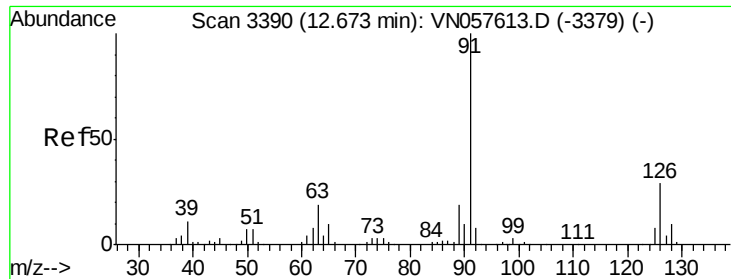
Tgt Ion:	91	Resp:	818958
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.4	31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





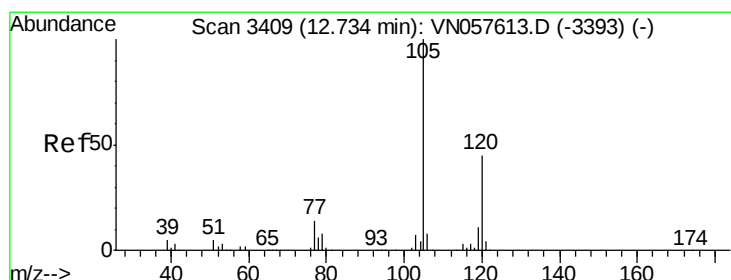
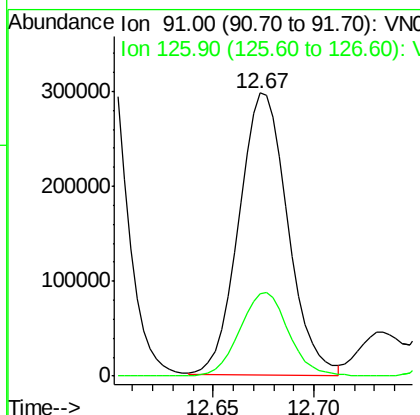
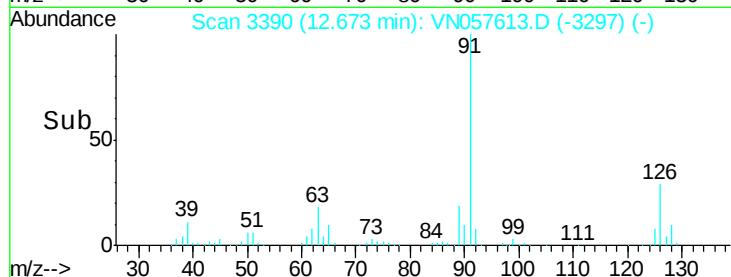
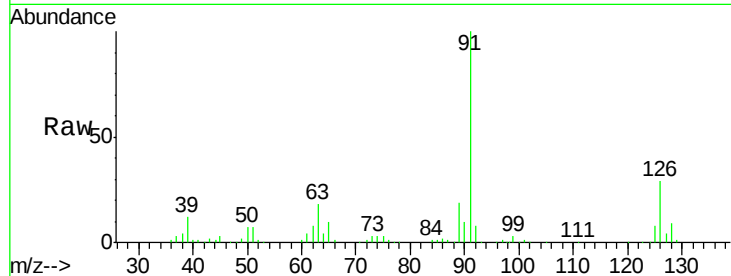
#79
2-Chlorotoluene
Concen: 51.834 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 504042
Ion Ratio Lower Upper
91 100
126 29.7 14.9 44.5

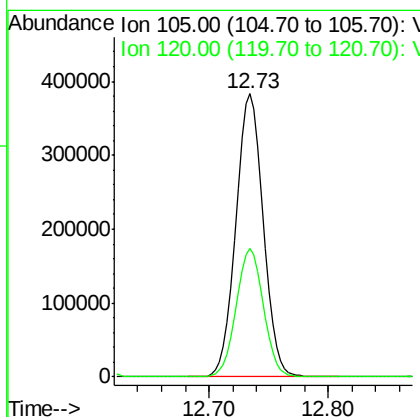
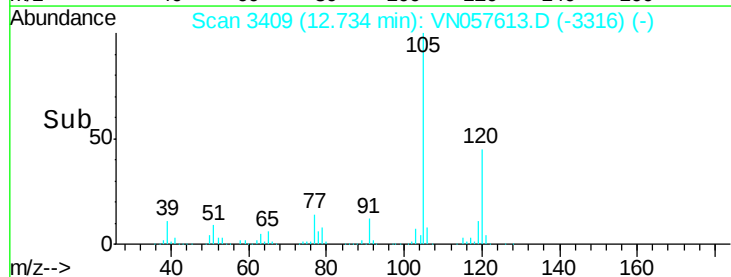
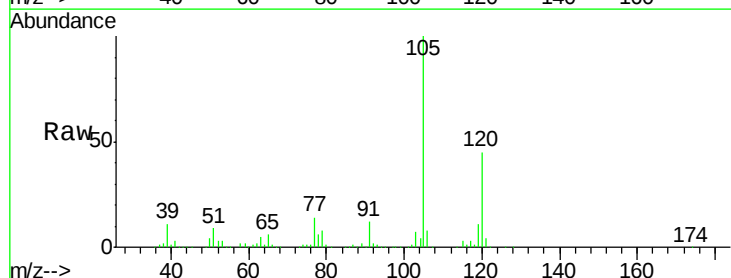
Manual Integrations
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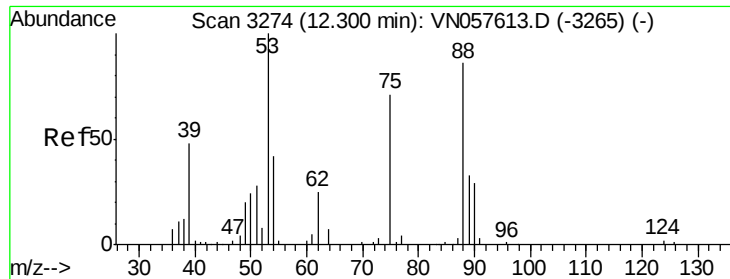
MMDadoda
9/3/2019 11:51:57 AM



#80
1,3,5-Trimethylbenzene
Concen: 50.567 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion: 105 Resp: 609477
Ion Ratio Lower Upper
105 100
120 45.2 22.6 67.8





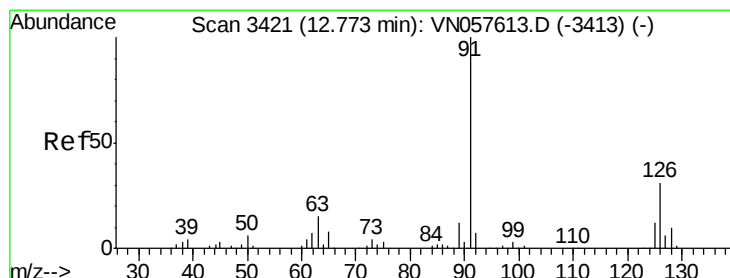
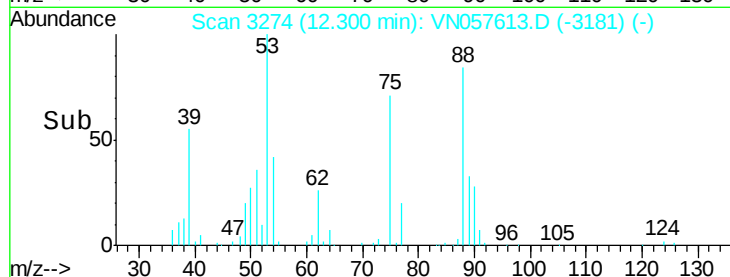
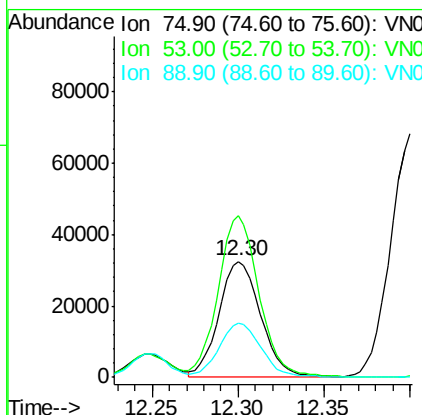
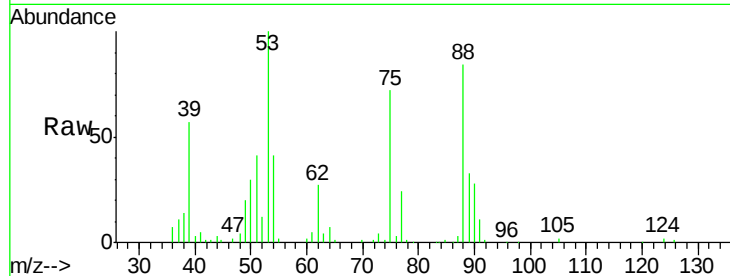
#81
trans-1,4-Dichloro-2-butene
Concen: 41.768 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 54280
Ion Ratio Lower Upper
75 100
53 138.8 111.0 166.6
89 47.9 38.3 57.5

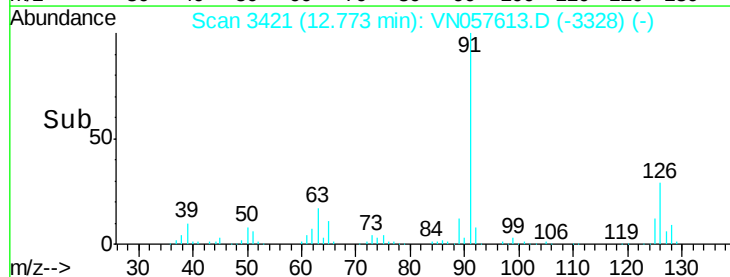
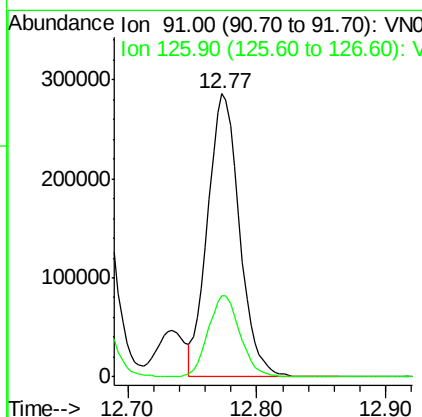
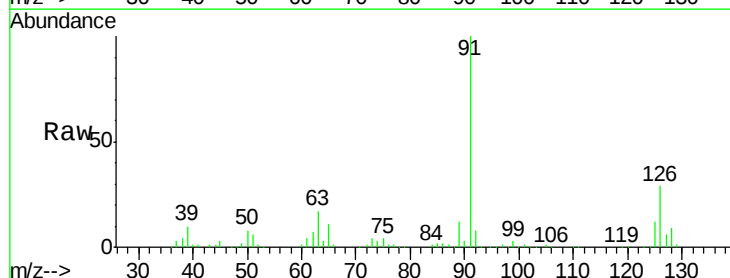
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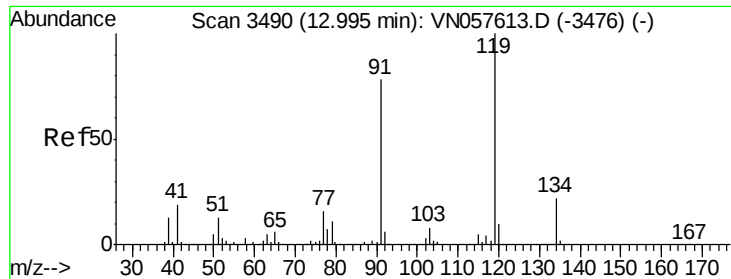
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#82
4-Chlorotoluene
Concen: 52.868 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion: 91 Resp: 490446
Ion Ratio Lower Upper
91 100
126 28.8 14.4 43.2





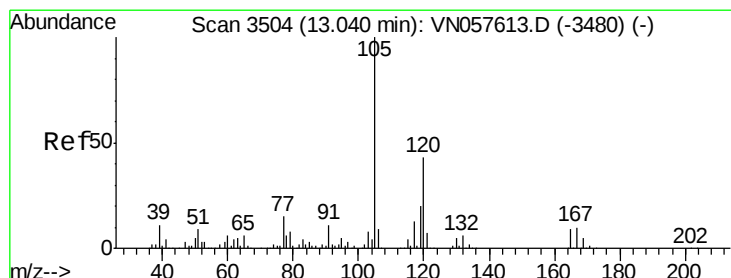
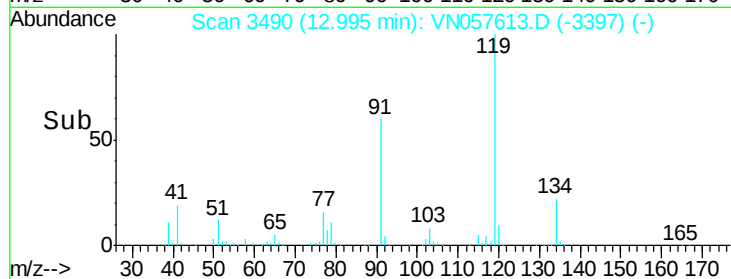
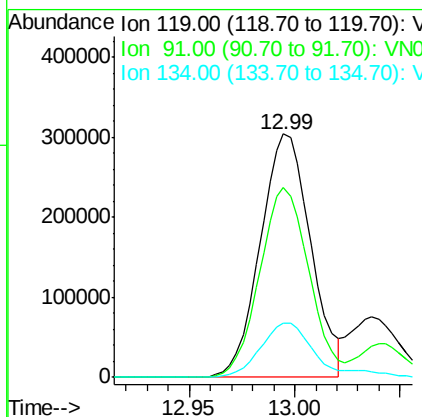
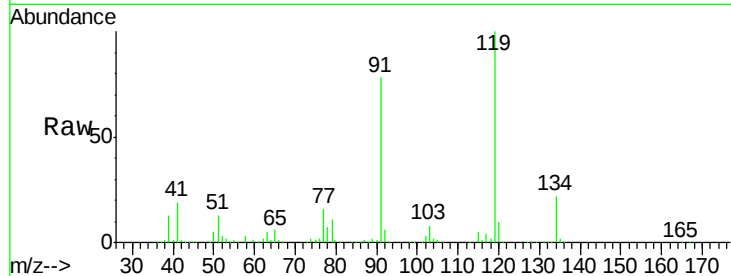
#83
 tert-Butylbenzene
 Concen: 47.191 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.6	38.3	114.9
134	22.5	11.3	33.8

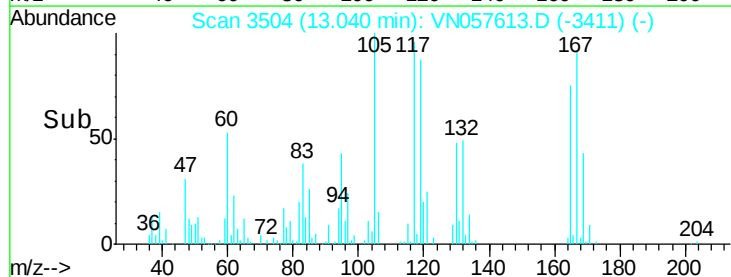
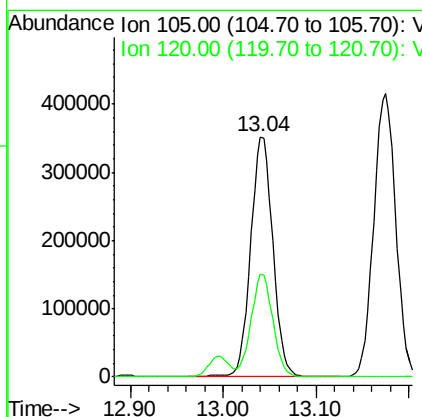
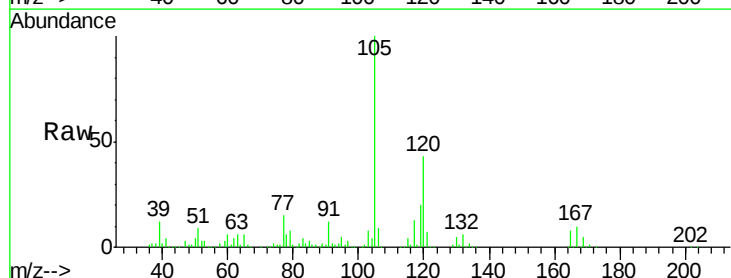
Manual Integrations
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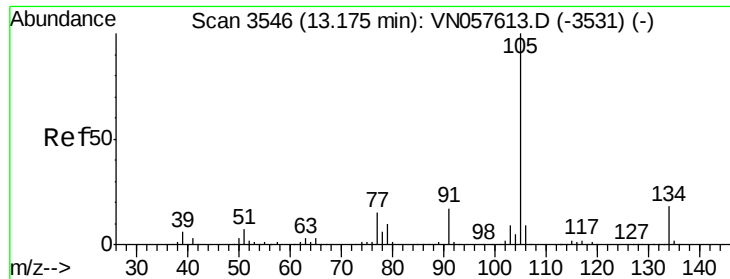
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.712 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.7	20.8	62.5





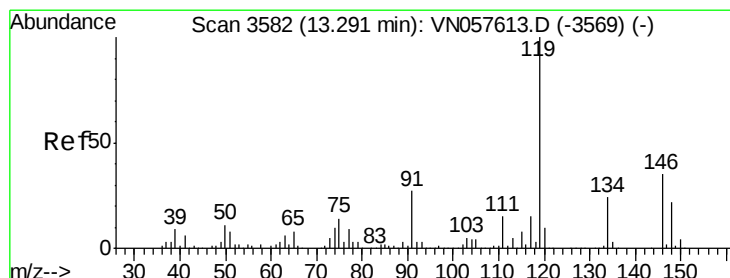
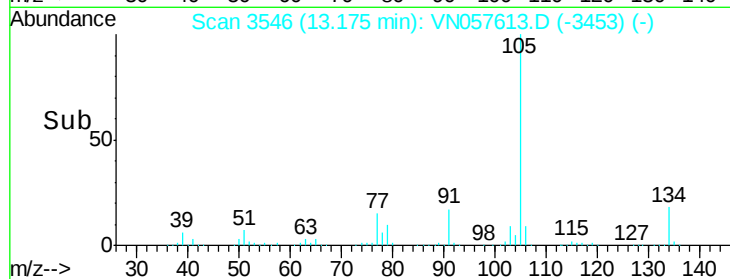
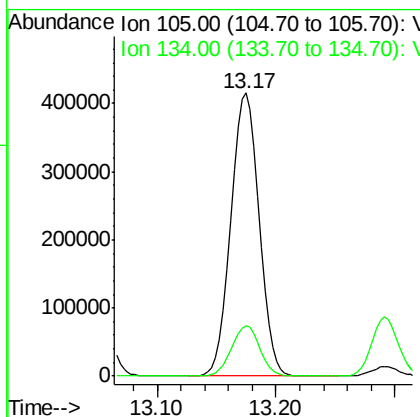
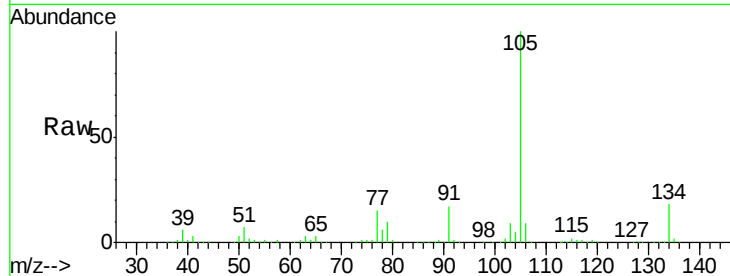
#85
 sec-Butylbenzene
 Concen: 52.022 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	683652		
134	17.9	8.9	26.8	

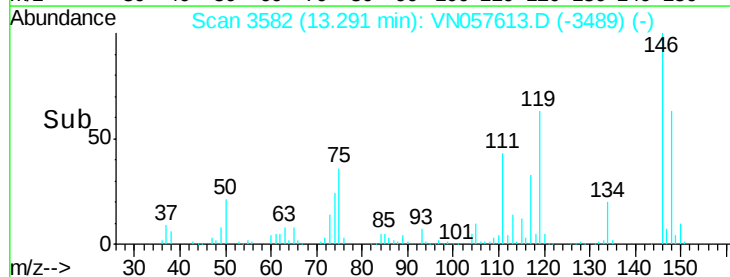
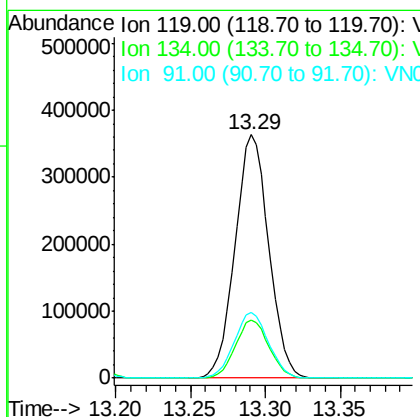
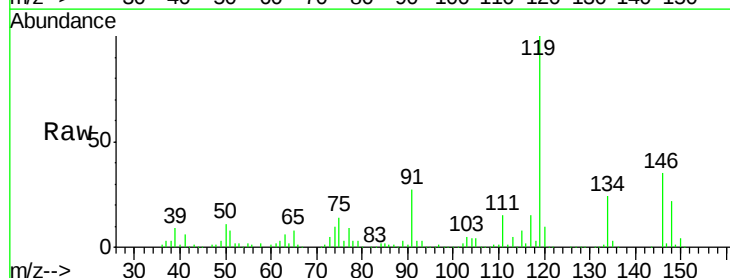
Manual Integrations
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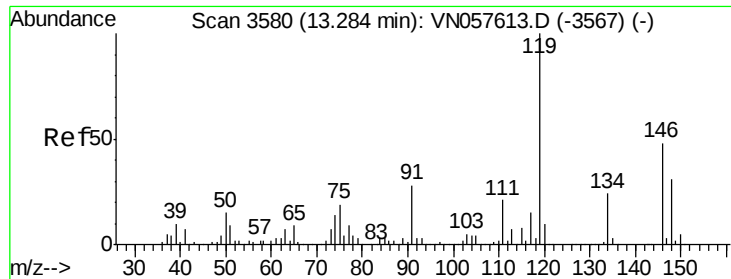
MMDadoda
 9/3/2019 11:51:57 AM



#86
 p-Isopropyltoluene
 Concen: 53.004 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	567546		
134	23.7	11.9	35.5	
91	27.3	13.7	41.0	





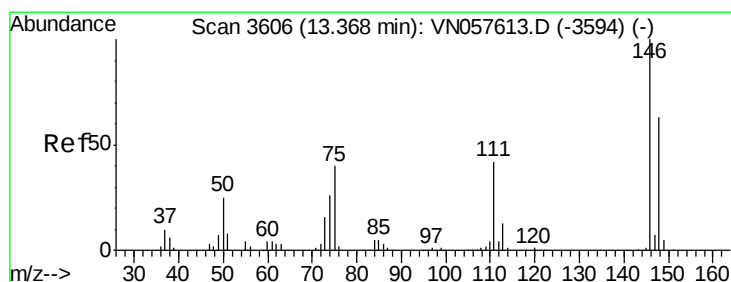
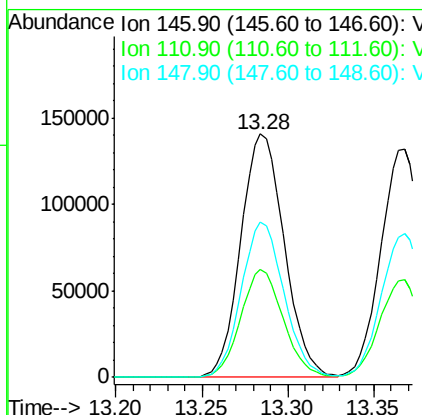
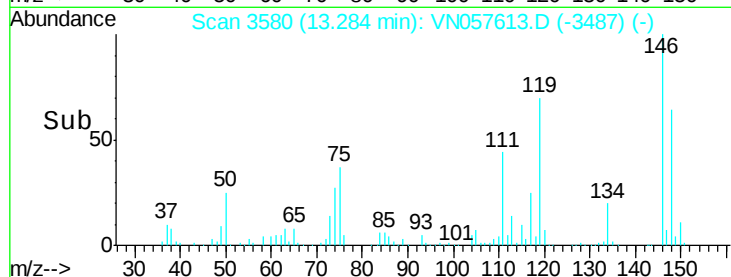
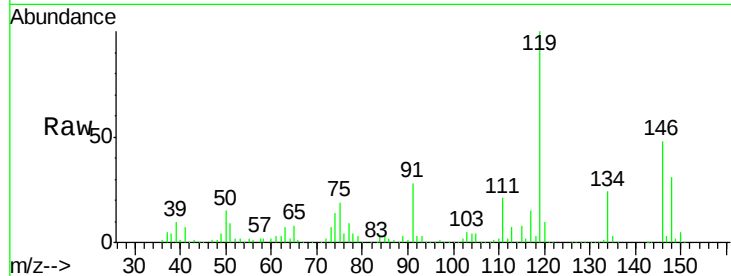
#87
 1,3-Dichlorobenzene
 Concen: 55.588 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	62.8	31.4	94.2

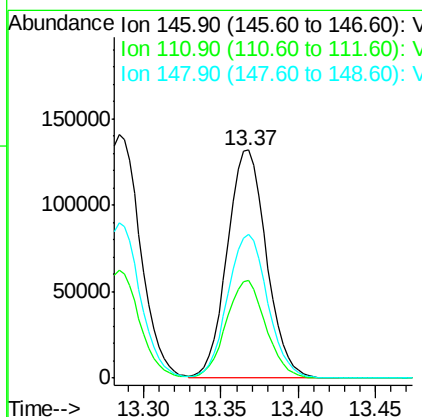
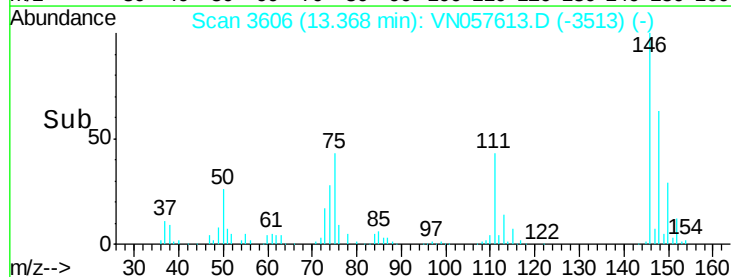
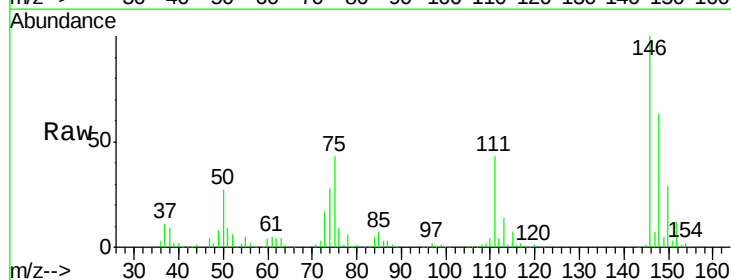
Manual Integrations
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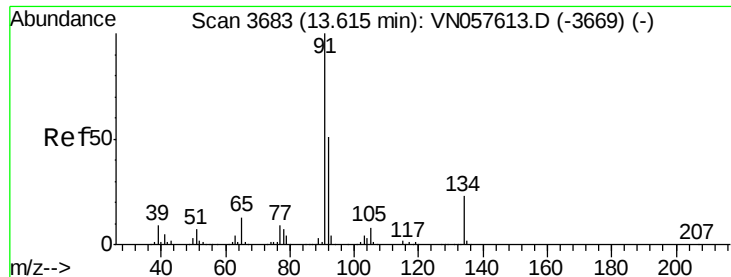
MMDadoda
 9/3/2019 11:51:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.661 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.4	32.2	96.6





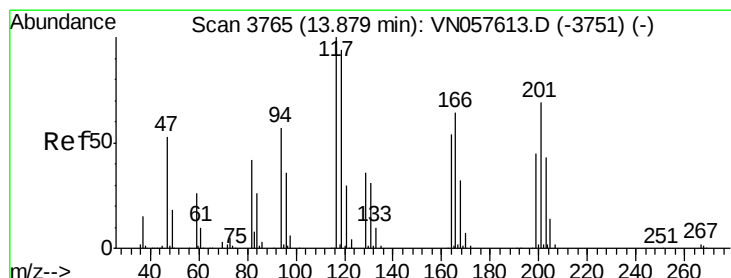
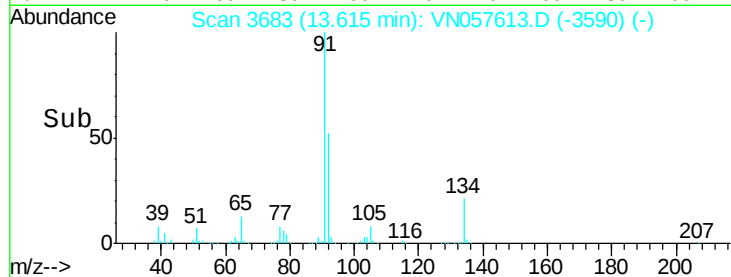
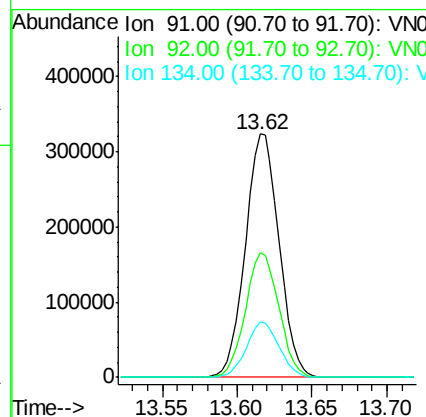
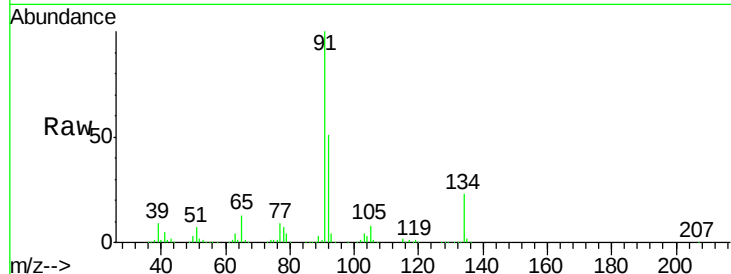
#89
n-Butylbenzene
Concen: 55.701 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.4	76.0
134	22.0	11.0	33.0

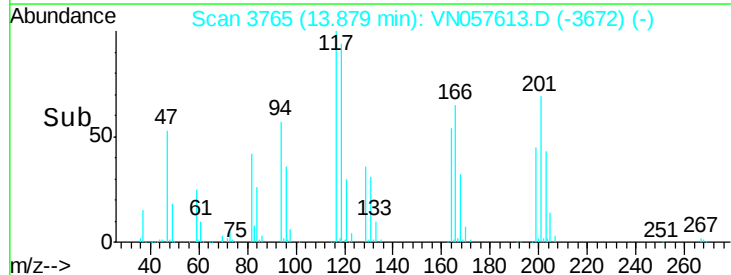
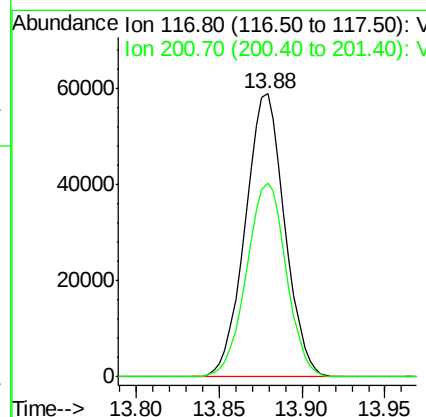
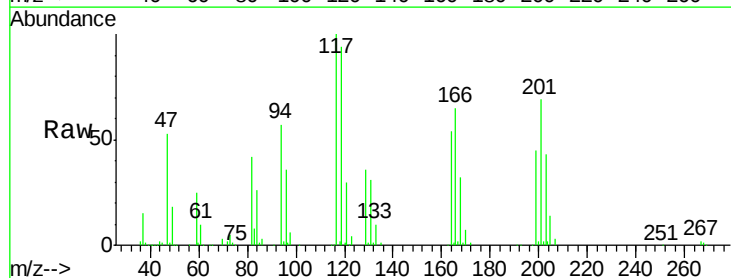
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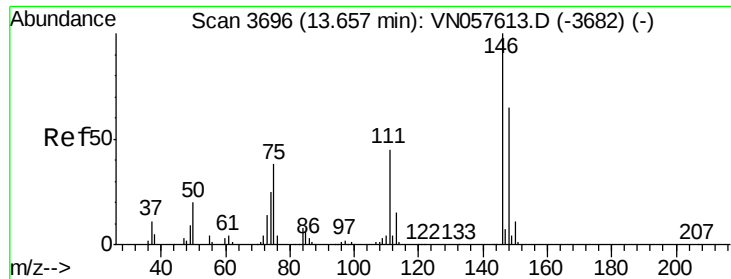
MMDadoda
9/3/2019 11:51:57 AM



#90
Hexachloroethane
Concen: 40.585 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2





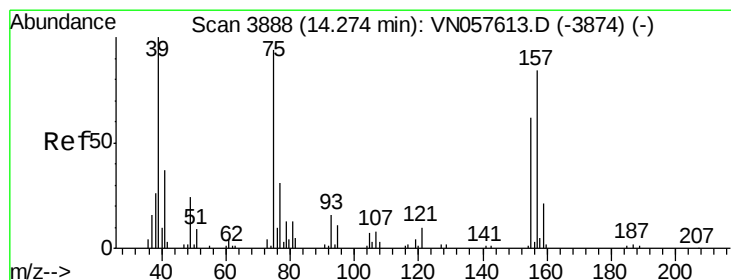
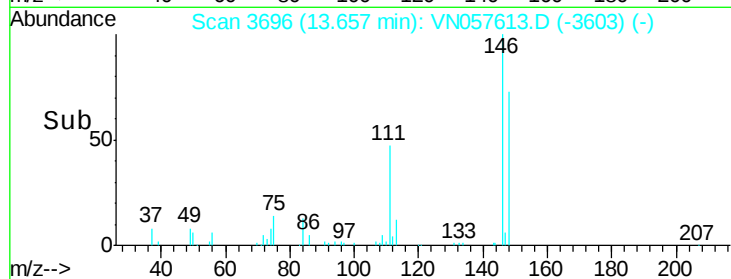
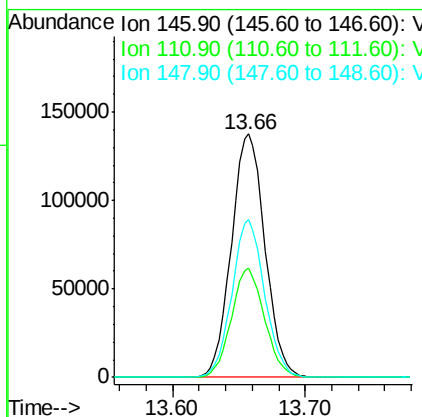
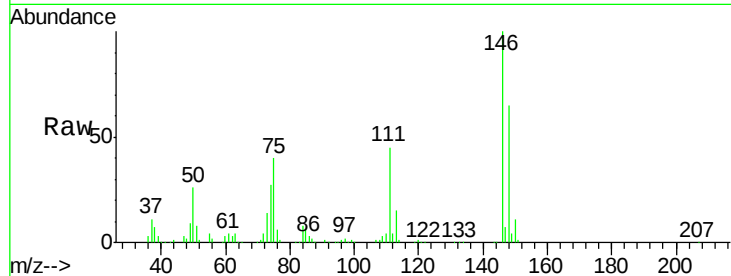
#91
 1,2-Dichlorobenzene
 Concen: 56.714 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.5
148	63.1	31.6	94.7

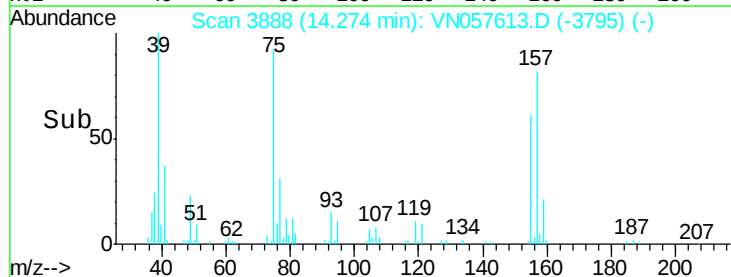
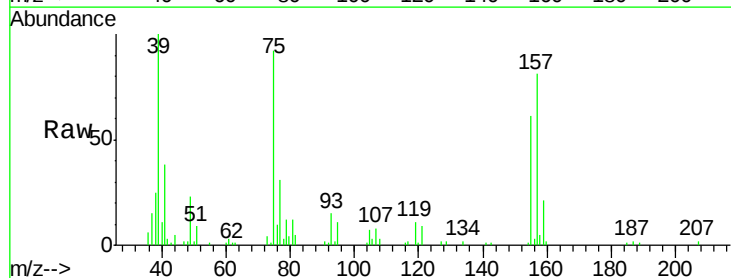
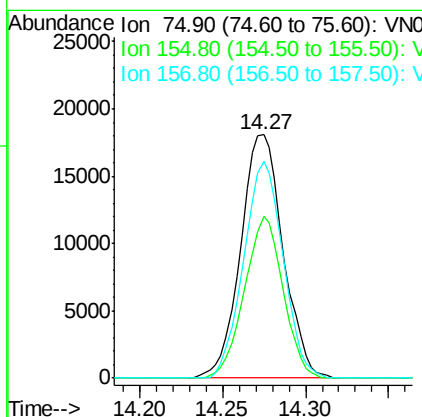
Manual Integrations
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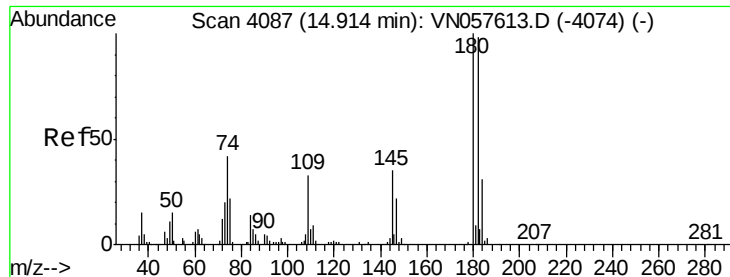
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.906 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.3	30.1	90.5
157	82.9	41.4	124.4





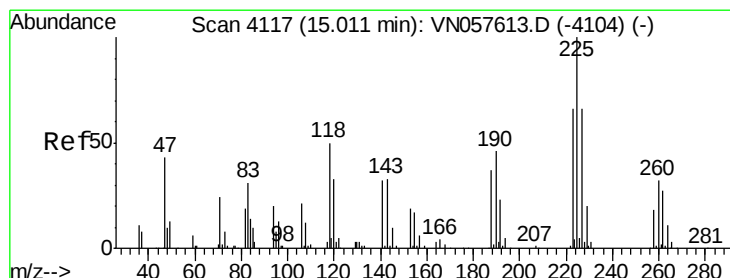
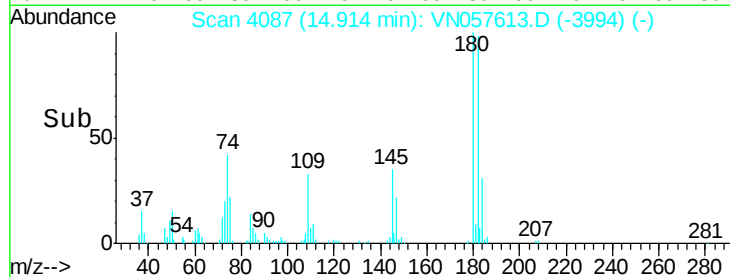
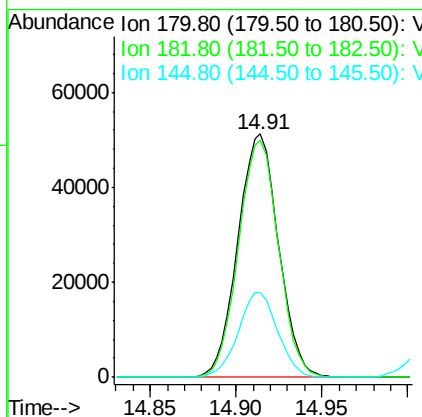
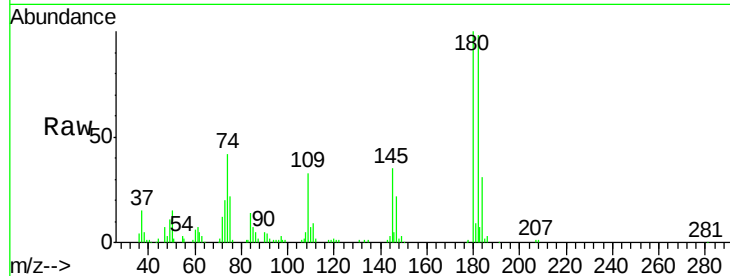
#93
 1,2,4-Trichlorobenzene
 Concen: 54.072 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84271		
182	95.5	47.8	143.3	
145	33.8	16.9	50.7	

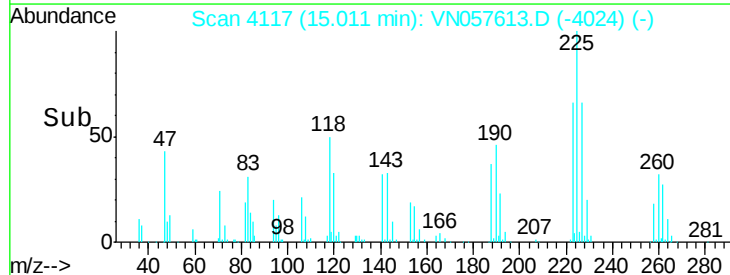
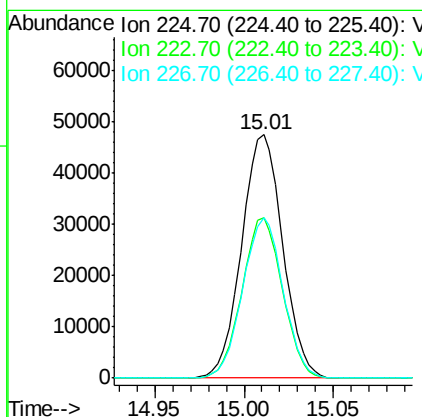
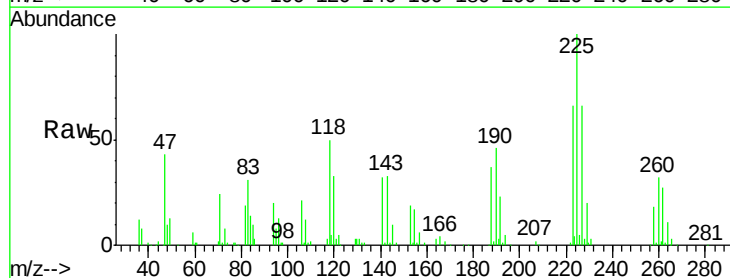
Manual Integrations
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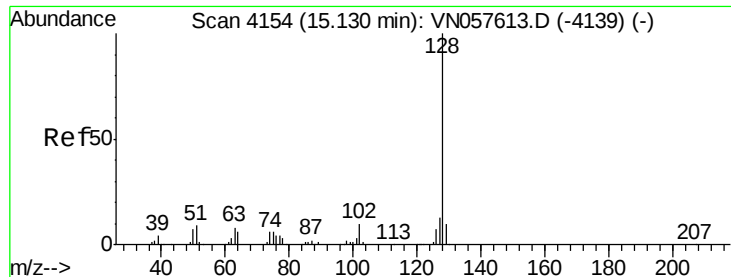
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 9/3/2019 11:51:57 AM



#94
 Hexachlorobutadiene
 Concen: 56.418 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057613.D
 Acq: 31 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76324		
223	64.5	32.3	96.8	
227	64.8	32.4	97.2	





#95

Naphthalene

Concen: 51.654 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Instrument :

MSVOA_N

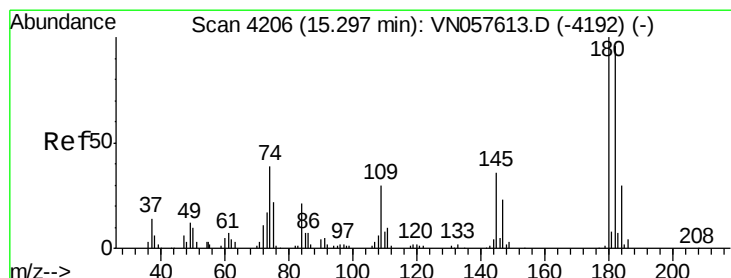
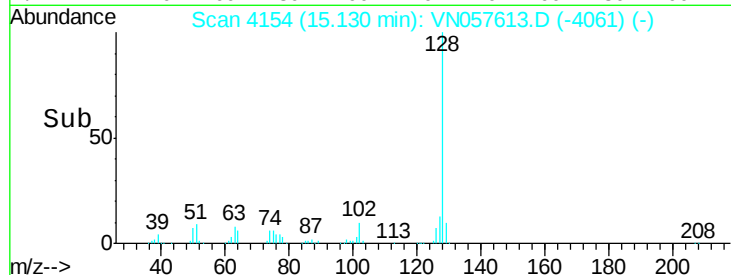
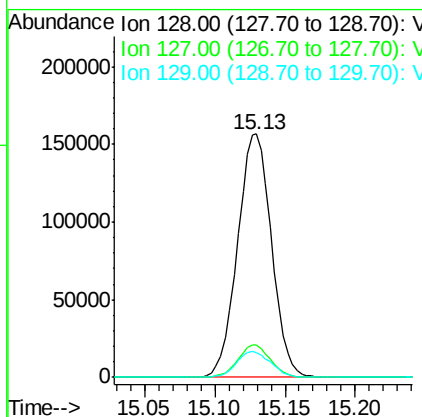
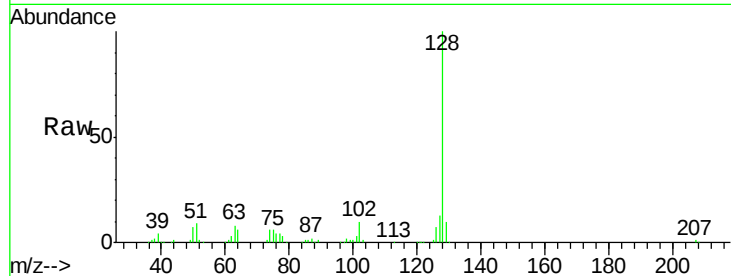
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	263844
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 53.962 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 14:01

Tgt Ion:	180	Resp:	88277
Ion Ratio	Lower	Upper	
180	100		
182	92.6	46.3	138.9
145	35.5	17.8	53.3

