

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057614.D
 Acq On : 31 Aug 2019 14:26
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:01 AM

Quant Time: Aug 31 15:26:17 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	195405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	329820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	305200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	163841	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	441075	120.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	241.80%	
35) Dibromofluoromethane	7.58	113	287935	120.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	241.80%	
50) Toluene-d8	10.08	98	1131545	125.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	251.28%	
62) 4-Bromofluorobenzene	12.40	95	446214	143.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	286.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	332303	135.220	ug/l	100
3) Chloromethane	2.05	50	366831	107.898	ug/l	97
4) Vinyl Chloride	2.18	62	290740	75.680	ug/l	99
5) Bromomethane	2.51	94	182478	77.493	ug/l	95
6) Chloroethane	2.65	64	159871	65.262	ug/l	99
7) Trichlorofluoromethane	2.99	101	399877	67.297	ug/l	98
8) Diethyl Ether	3.40	74	131145	59.149	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	199073	60.933	ug/l	99
10) Methyl Iodide	3.92	142	276382	106.543	ug/l	99
11) Tert butyl alcohol	4.82	59	253902	576.467	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	186196	59.646	ug/l	95
13) Acrolein	3.59	56	88560	262.804	ug/l	95
14) Allyl chloride	4.29	41	593384	117.595	ug/l	99
15) Acrylonitrile	4.97	53	739414	612.781	ug/l	99
16) Acetone	3.81	43	615009	378.834	ug/l	96
17) Carbon Disulfide	4.02	76	624938	97.813	ug/l	100
18) Methyl Acetate	4.31	43	405221	96.349	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	992116	118.035	ug/l	97
20) Methylene Chloride	4.52	84	316446	116.403	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	282154	114.820	ug/l	97
22) Diisopropyl ether	5.94	45	1213382	121.770	ug/l	98
23) Vinyl Acetate	5.88	43	4886338	623.036	ug/l	98
24) 1,1-Dichloroethane	5.82	63	616872	117.886	ug/l	99
25) 2-Butanone	6.83	43	1079549	596.967	ug/l	98
26) 2,2-Dichloropropane	6.80	77	505533	112.748	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	333506	114.886	ug/l	99
28) Bromochloromethane	7.18	49	320017	116.050	ug/l	98
29) Tetrahydrofuran	7.20	42	684312	582.406	ug/l	99
30) Chloroform	7.36	83	618564	113.808	ug/l	96
31) Cyclohexane	7.63	56	576461	113.607	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	520687	116.804	ug/l	99
36) 1,1-Dichloropropene	7.78	75	450437	125.134	ug/l	99
37) Ethyl Acetate	6.92	43	445915	126.143	ug/l	99
38) Carbon Tetrachloride	7.76	117	420987	120.356	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	536124	125.758	ug/l	98
40) Benzene	8.03	78	1312912	122.387	ug/l	97
41) Methacrylonitrile	7.16	41	239561	139.627	ug/l	94
42) 1,2-Dichloroethane	8.11	62	546398	130.376	ug/l	99
43) Isopropyl Acetate	8.16	43	808913	124.974	ug/l	100
44) Trichloroethene	8.82	130	293980	123.228	ug/l	97
45) 1,2-Dichloropropane	9.11	63	360699	119.437	ug/l	99
46) Dibromomethane	9.20	93	229545	119.711	ug/l	99
47) Bromodichloromethane	9.40	83	492059	123.808	ug/l	98
48) Methyl methacrylate	9.19	41	405811	130.413	ug/l	99
49) 1,4-Dioxane	9.20	88	97270	2479.210	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2310302	633.845	ug/l	99
52) Toluene	10.15	92	792265	127.484	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	517900	125.038	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	563181	121.864	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	304638	122.111	ug/l	98
56) Ethyl methacrylate	10.43	69	516760	131.182	ug/l	99
57) 1,3-Dichloropropane	10.71	76	552944	126.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	805878	842.769	ug/l	100
59) 2-Hexanone	10.75	43	1720727	684.470	ug/l	99
60) Dibromochloromethane	10.90	129	329602	126.722	ug/l	100
61) 1,2-Dibromoethane	11.00	107	307308	125.912	ug/l	99
64) Tetrachloroethene	10.63	164	265361	117.269	ug/l	97
65) Chlorobenzene	11.43	112	802620	123.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	288245	117.498	ug/l	99
67) Ethyl Benzene	11.51	91	1598128	126.370	ug/l	99
68) m/p-Xylenes	11.62	106	1129463	262.708	ug/l	97
69) o-Xylene	11.95	106	543541	128.122	ug/l	99
70) Styrene	11.96	104	944912	139.573	ug/l	99
71) Bromoform	12.13	173	209717	127.894	ug/l #	100
73) Isopropylbenzene	12.25	105	1521506	81.057	ug/l	99
74) N-amyl acetate	12.07	43	739209	85.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	448931	81.507	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	398292m	92.542	ug/l	
77) Bromobenzene	12.53	156	333436	88.760	ug/l	98
78) n-propylbenzene	12.59	91	1785813	89.442	ug/l	99
79) 2-Chlorotoluene	12.68	91	1088420	90.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1317649	88.819	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	132306	82.714	ug/l	91
82) 4-Chlorotoluene	12.77	91	1120903	98.167	ug/l	100
83) tert-Butylbenzene	12.99	119	1077029	81.817	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1291822	98.251	ug/l	100
85) sec-Butylbenzene	13.17	105	1491153	92.188	ug/l	100
86) p-Isopropyltoluene	13.29	119	1273121	96.599	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	591453	107.819	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	583160	109.308	ug/l	99
89) n-Butylbenzene	13.62	91	1170511	104.515	ug/l	100
90) Hexachloroethane	13.88	117	227255	76.891	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	575866	109.821	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79844	90.787	ug/l	96

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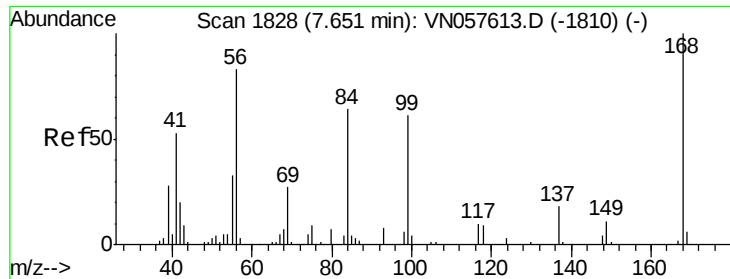
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	250496	130.584	ug/l	99
94) Hexachlorobutadiene	15.01	225	188488	113.197	ug/l	98
95) Naphthalene	15.13	128	731571	116.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	247559	122.945	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 195405

Ion Ratio Lower Upper

168 100

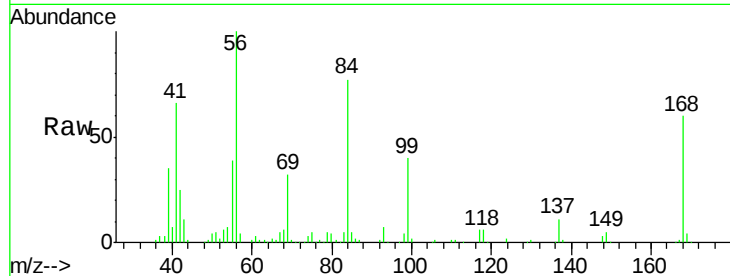
99 66.3 54.2 81.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

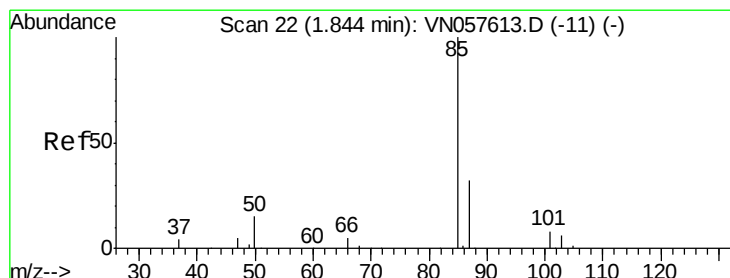
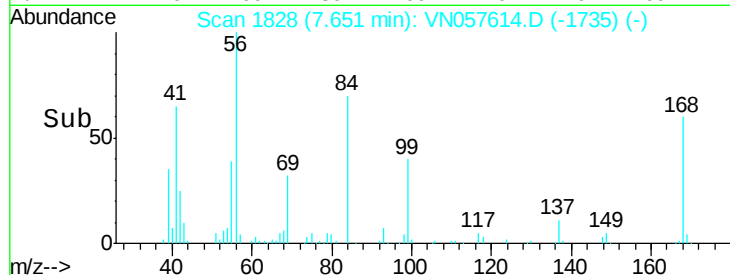
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 135.220 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057614.D

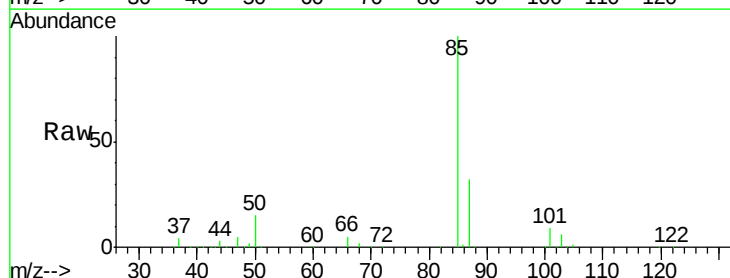
Acq: 31 Aug 2019 14:26

Tgt Ion: 85 Resp: 332303

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

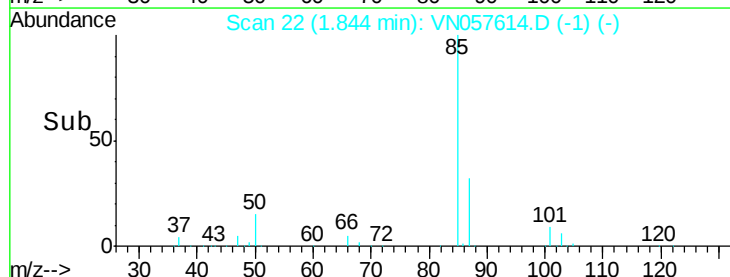
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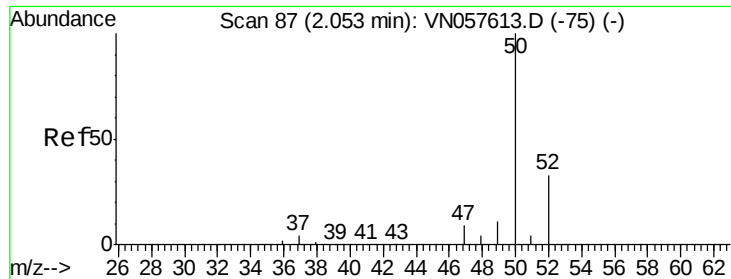
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 107.898 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 366831

Ion Ratio Lower Upper

50 100

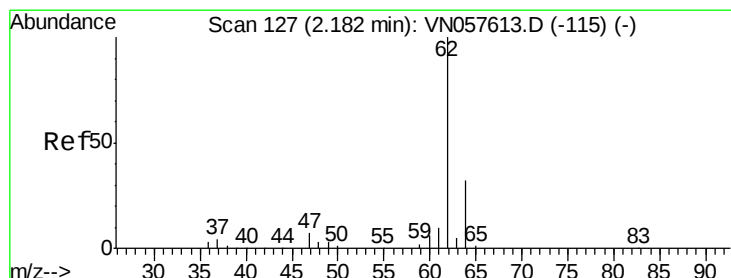
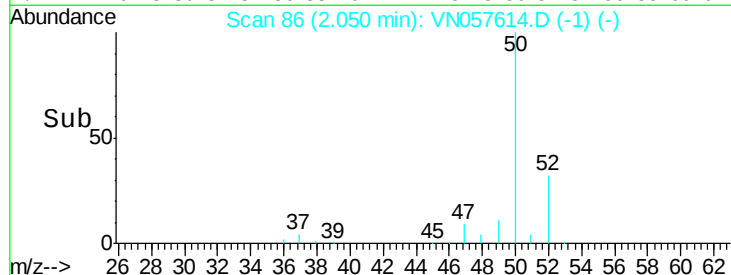
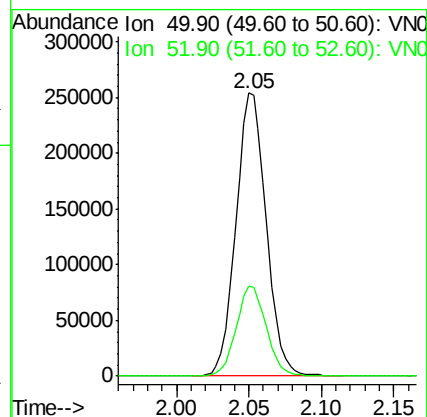
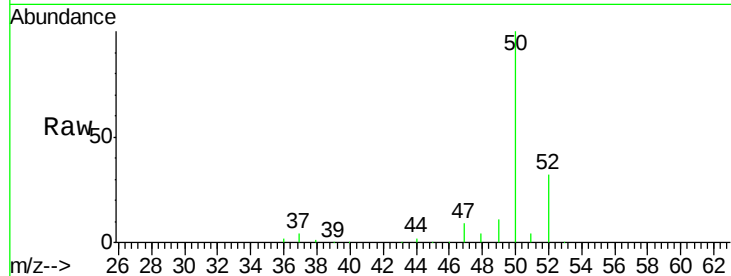
52 31.9 26.7 40.1

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#4

Vinyl Chloride

Concen: 75.680 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057614.D

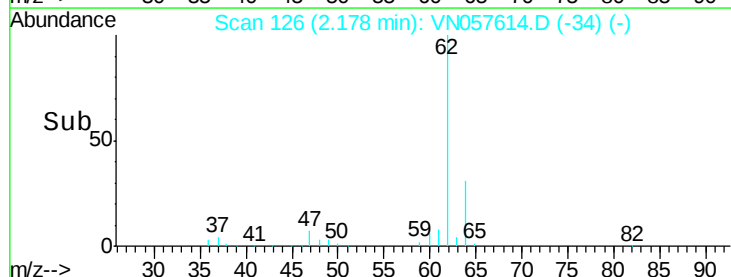
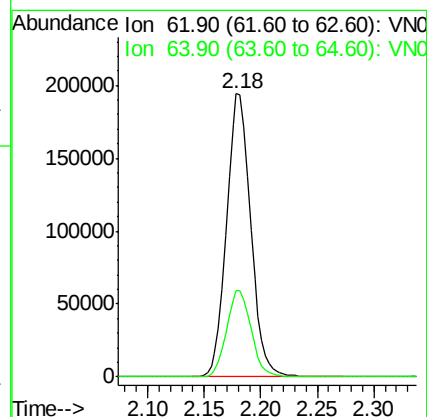
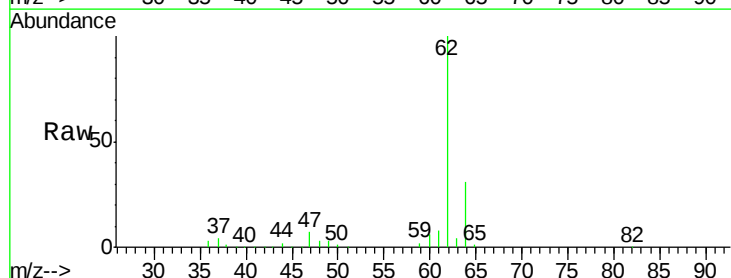
Acq: 31 Aug 2019 14:26

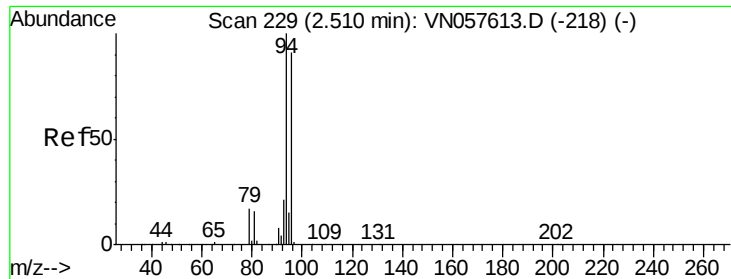
Tgt Ion: 62 Resp: 290740

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8





#5

Bromomethane

Concen: 77.493 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 182478

Ion Ratio Lower Upper

94 100

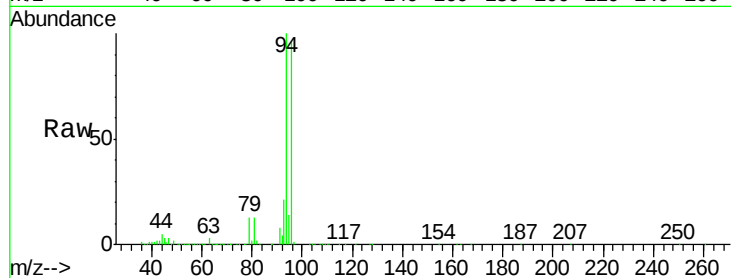
96 96.1 72.9 109.3

Manual Integrations

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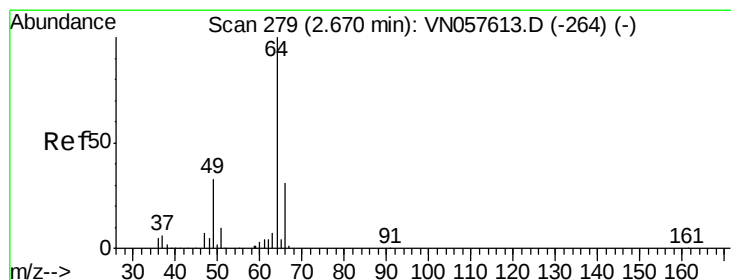
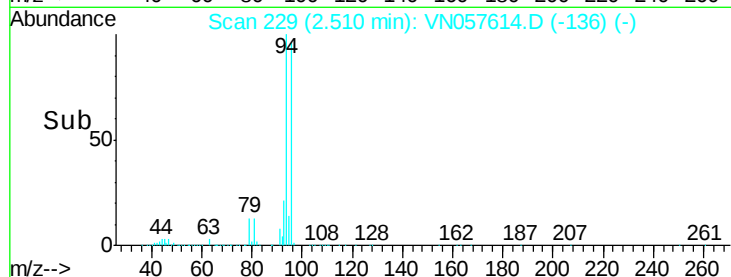
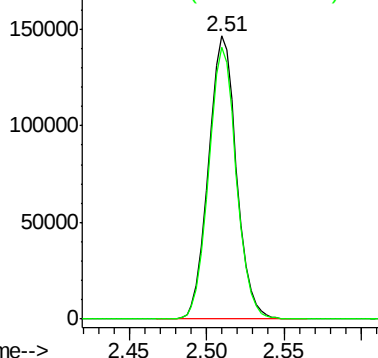
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 65.262 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.02 min

Lab File: VN057614.D

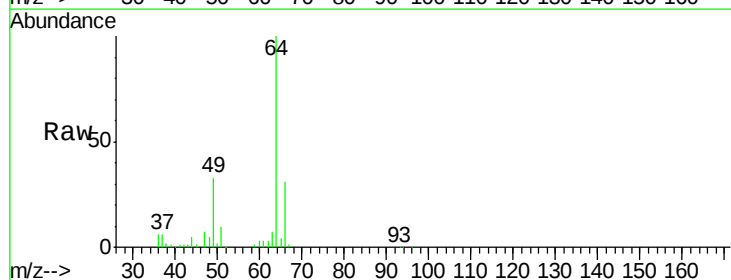
Acq: 31 Aug 2019 14:26

Tgt Ion: 64 Resp: 159871

Ion Ratio Lower Upper

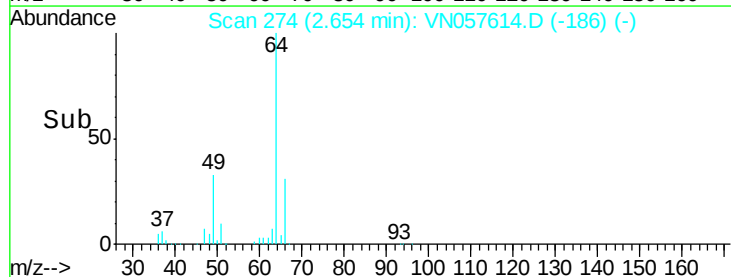
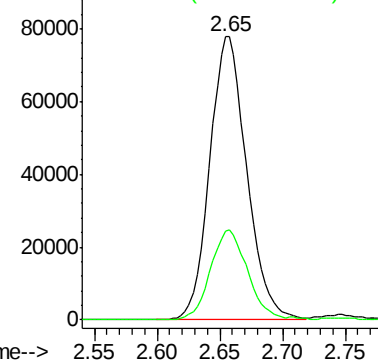
64 100

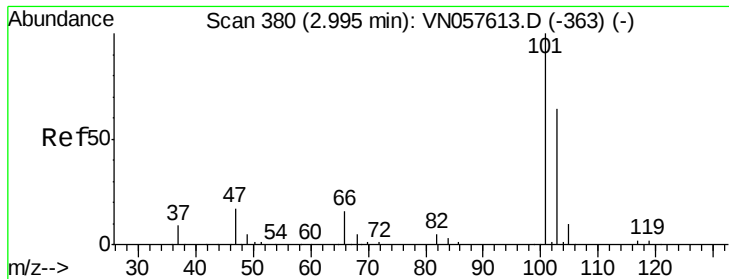
66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

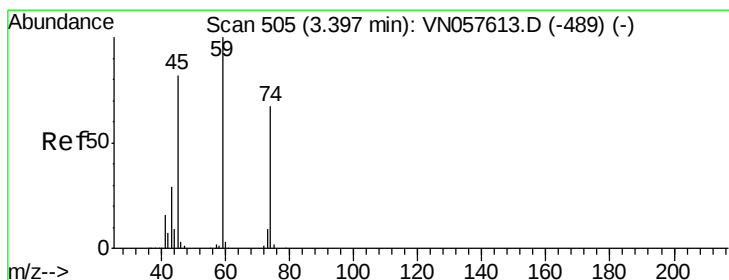
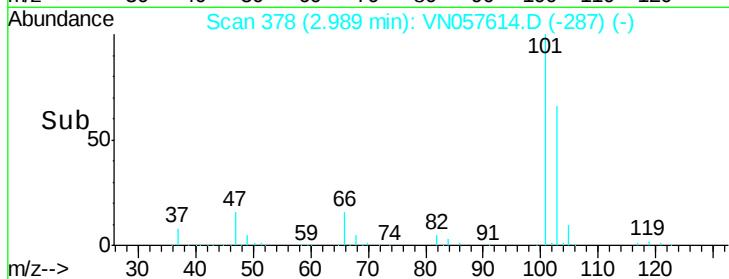
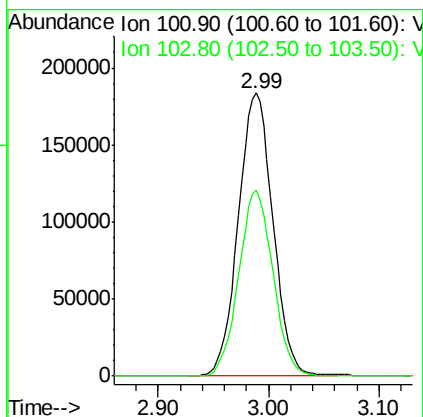
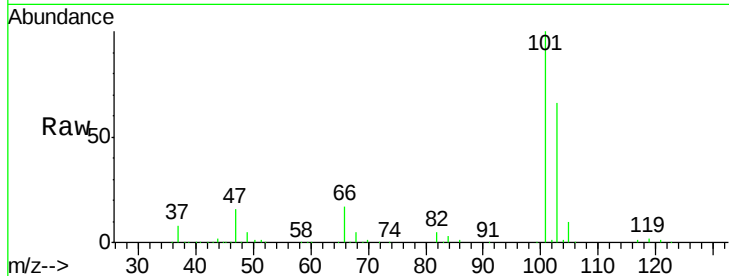
Trichlorofluoromethane
 Concen: 67.297 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
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 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.3	76.9

Manual Integrations
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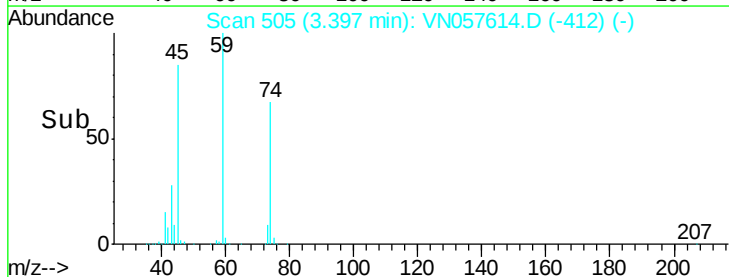
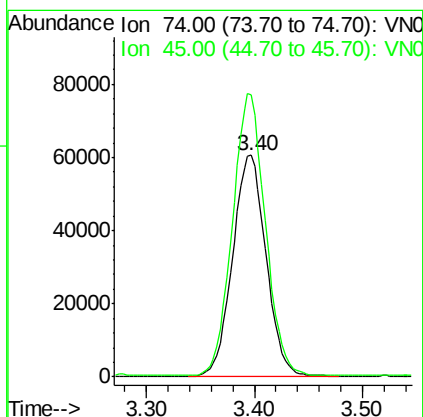
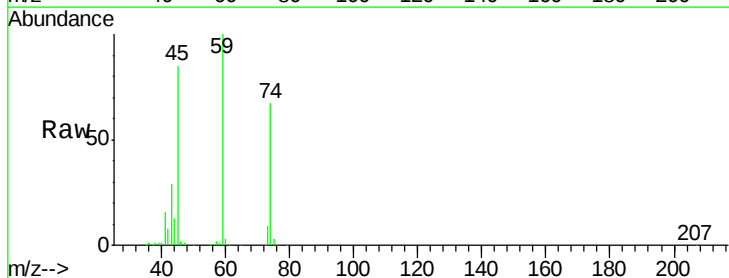
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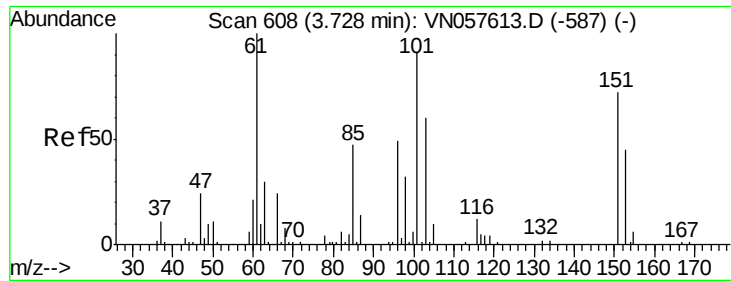


#8

Diethyl Ether
 Concen: 59.149 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.4	61.9	185.7





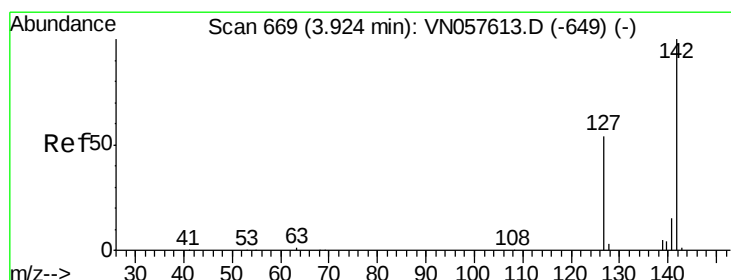
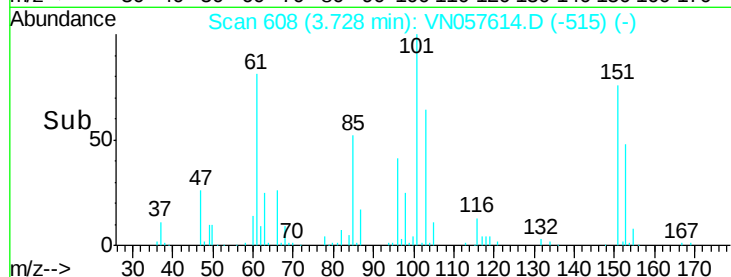
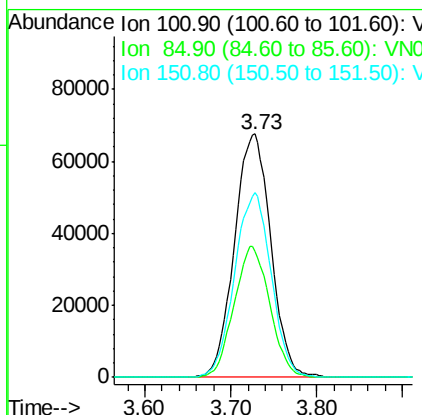
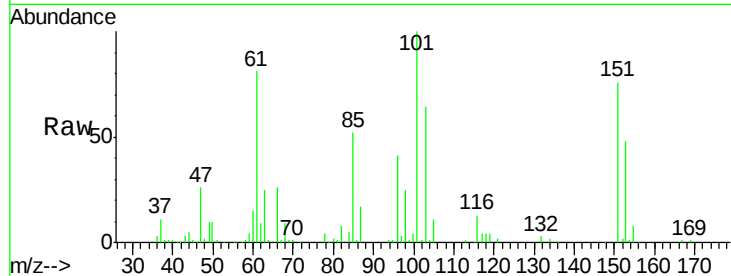
#9
1,1,2-Trichlorotrifluoroethane
Concen: 60.933 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	199073		
85	52.8	42.1	63.1	
151	76.1	60.2	90.4	

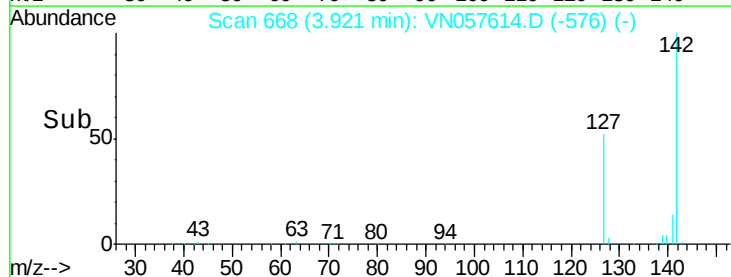
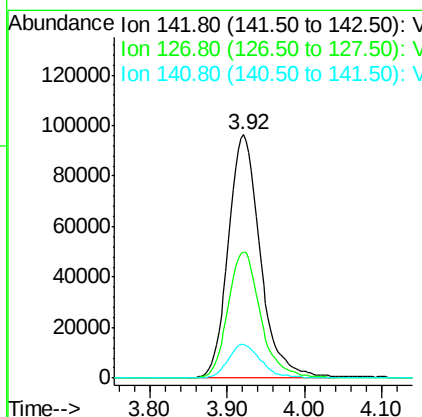
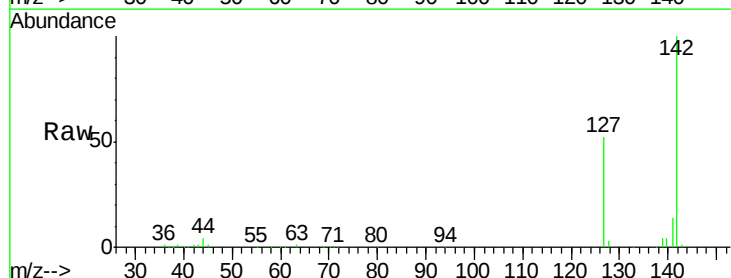
Manual Integrations
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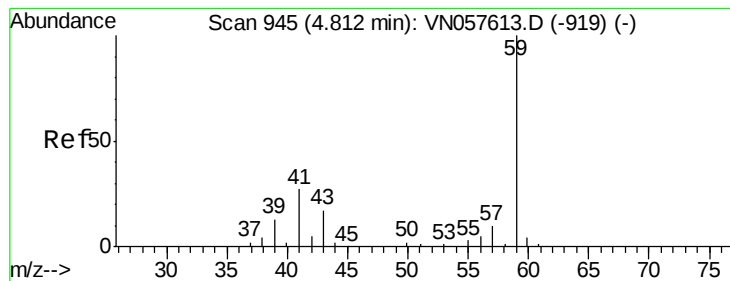
MMDadoda
9/3/2019 11:52:01 AM



#10
Methyl Iodide
Concen: 106.543 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	276382		
127	52.5	43.0	64.6	
141	14.2	11.4	17.2	





#11

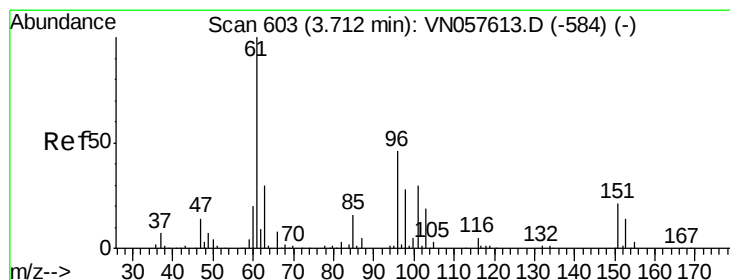
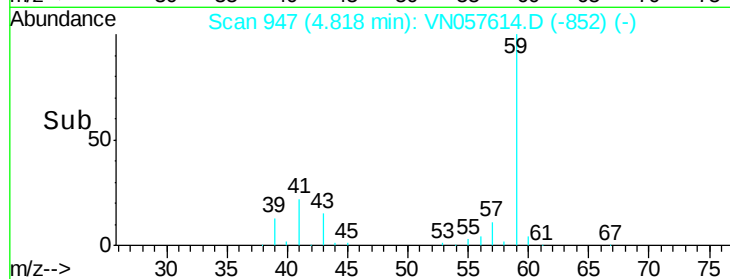
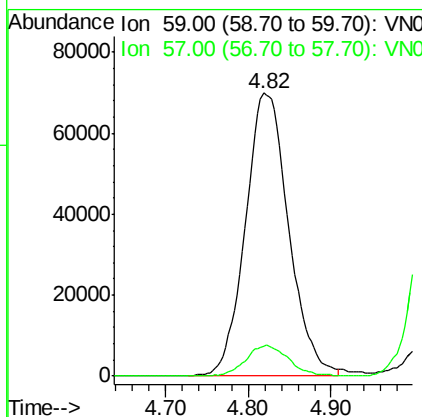
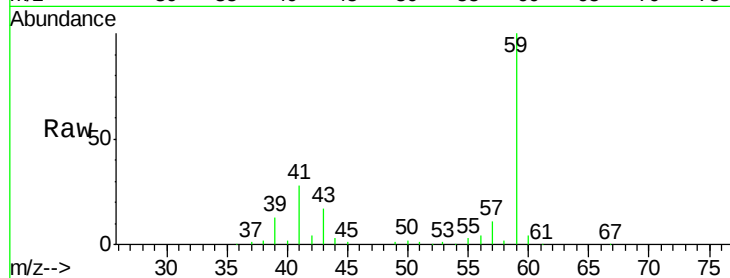
Tert butyl alcohol
Concen: 576.467 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	253902		
57	10.8		5.0	7.6#

Manual Integrations
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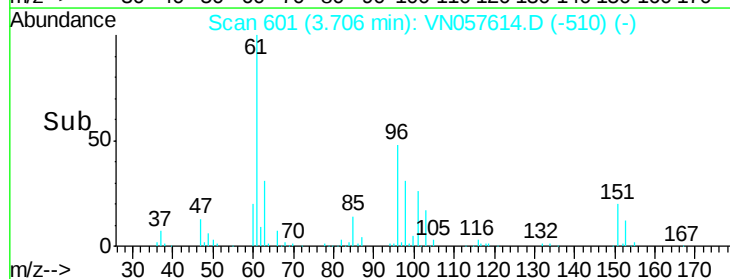
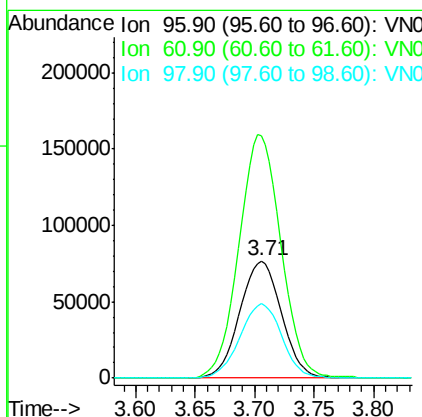
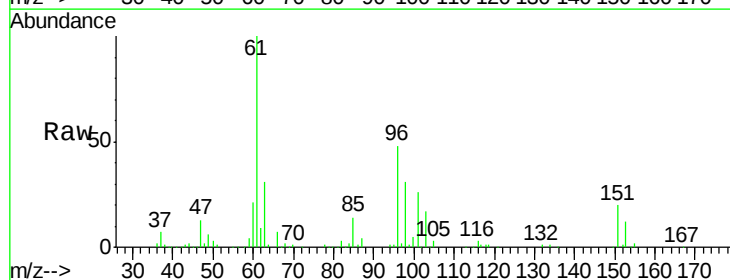
MMDadoda
9/3/2019 11:52:01 AM

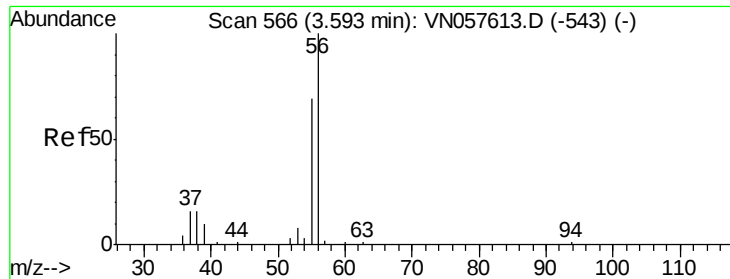


#12

1,1-Dichloroethene
Concen: 59.646 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.01 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	186196		
61	206.6		172.1	258.1
98	63.3		48.3	72.5





#13

Acrolein

Concen: 262.804 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 88560

Ion Ratio Lower Upper

56 100

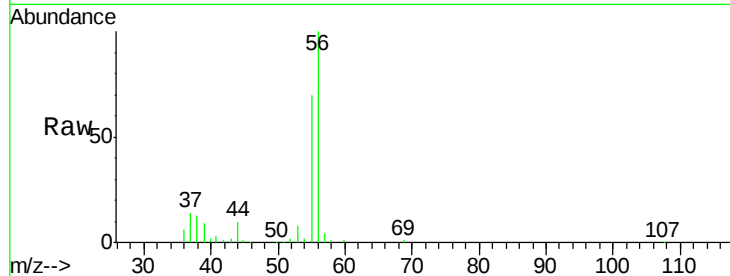
55 74.5 56.5 84.7

Manual Integrations

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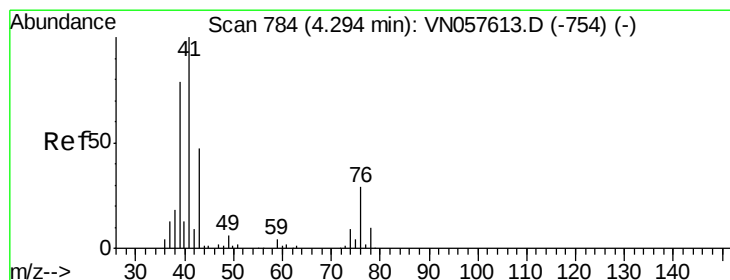
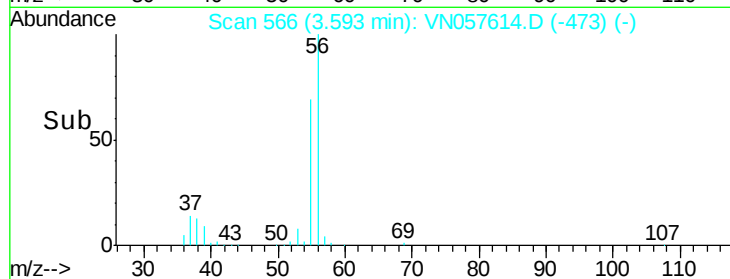
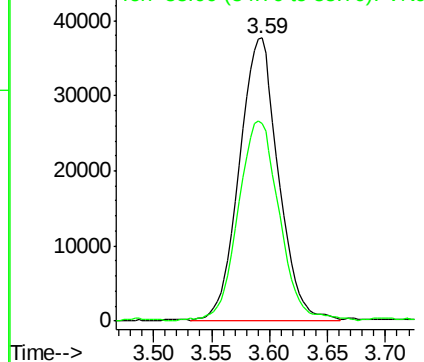
MMDadoda

9/3/2019 11:52:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 117.595 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

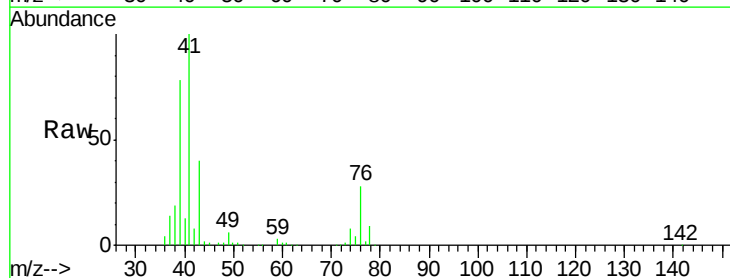
Tgt Ion: 41 Resp: 593384

Ion Ratio Lower Upper

41 100

39 75.2 60.9 91.3

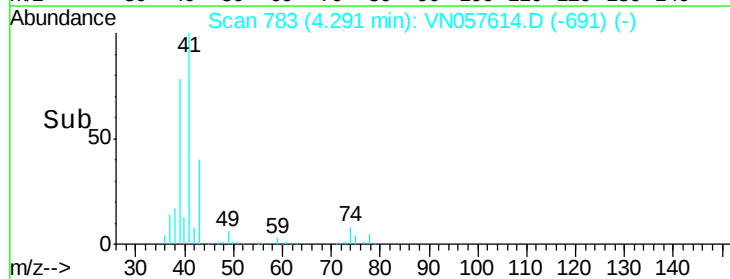
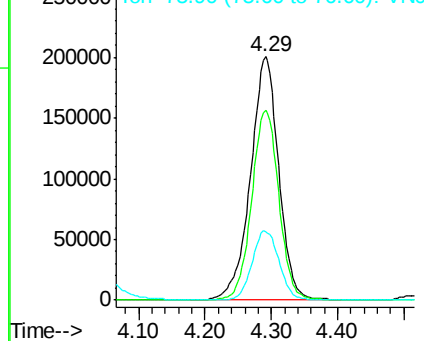
76 27.2 21.1 31.7

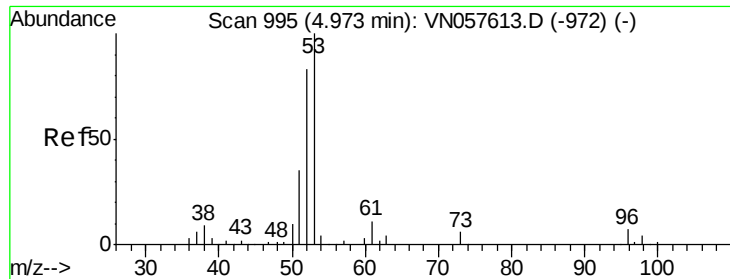


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 612.781 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

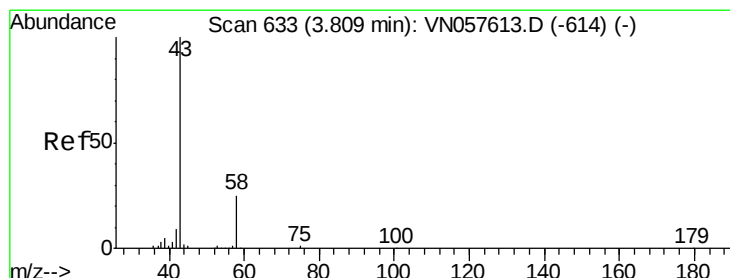
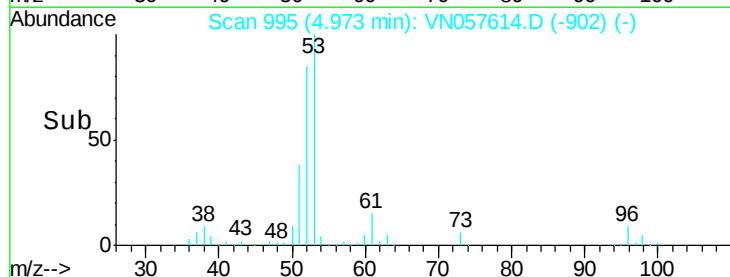
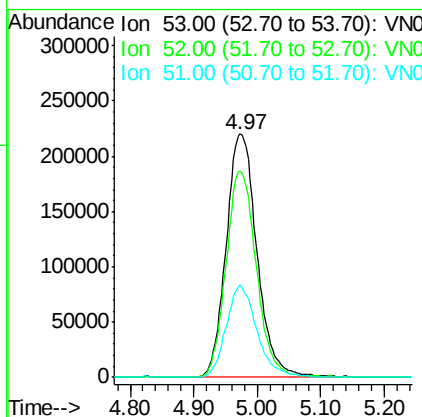
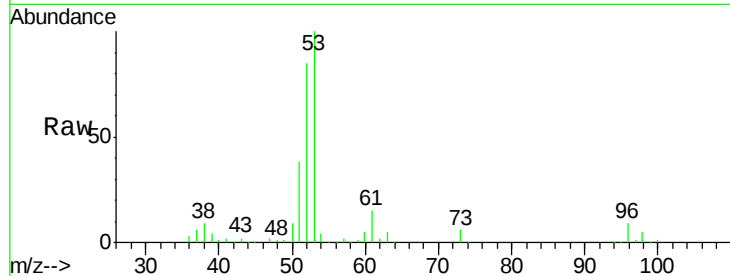
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	739414
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	37.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 378.834 ug/l

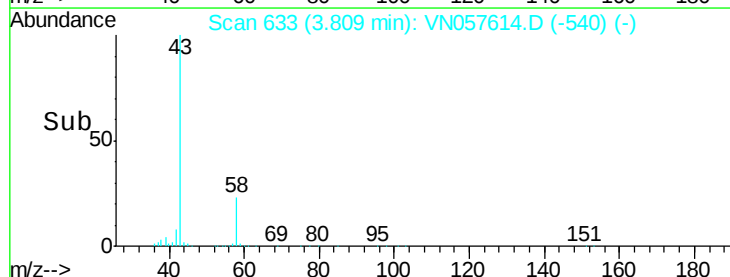
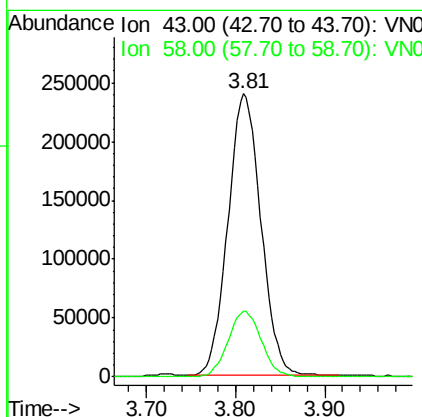
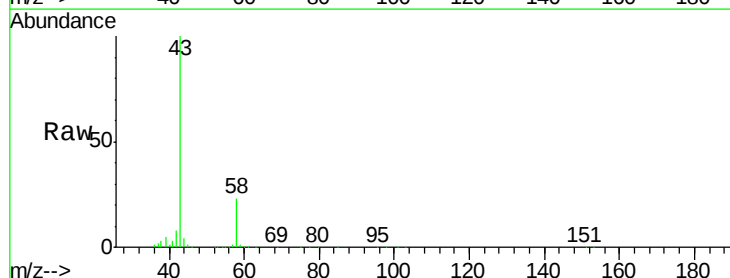
RT: 3.81 min Scan# 633

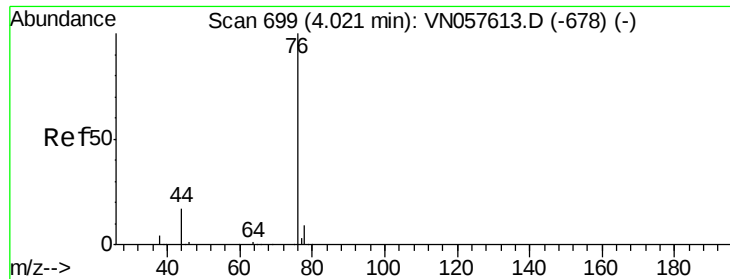
Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion:	43	Resp:	615009
Ion	Ratio	Lower	Upper
43	100		
58	23.1	20.0	30.0





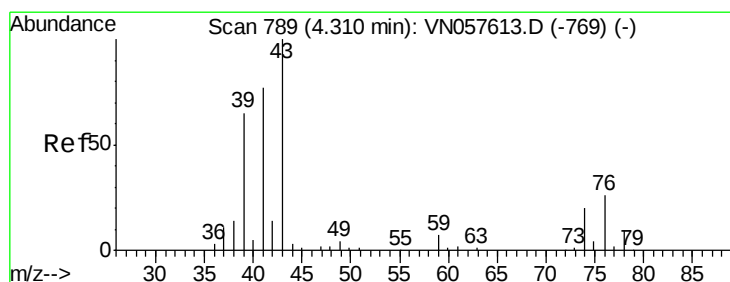
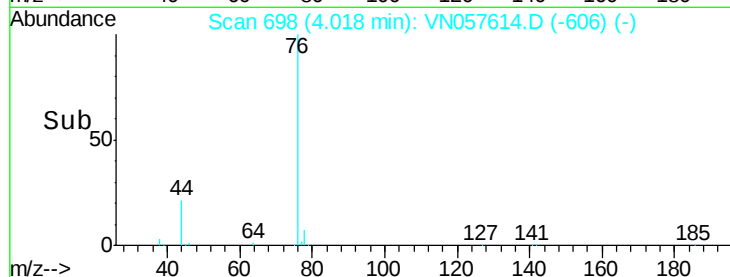
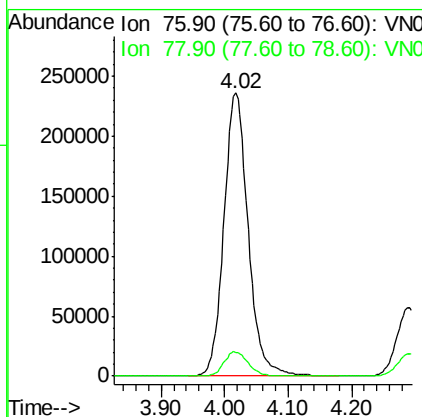
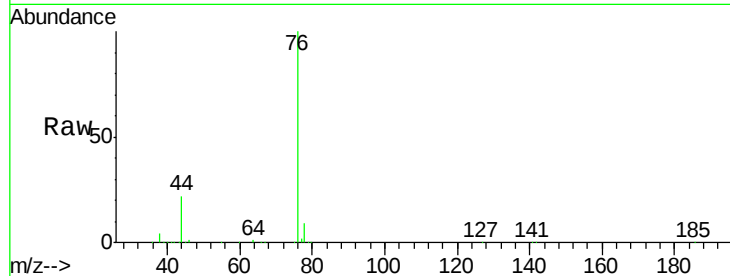
#17
Carbon Disulfide
Concen: 97.813 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.9	10.3

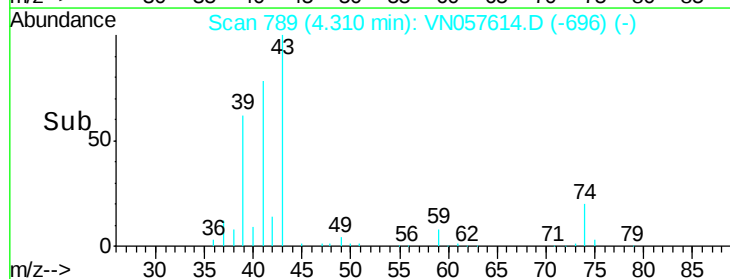
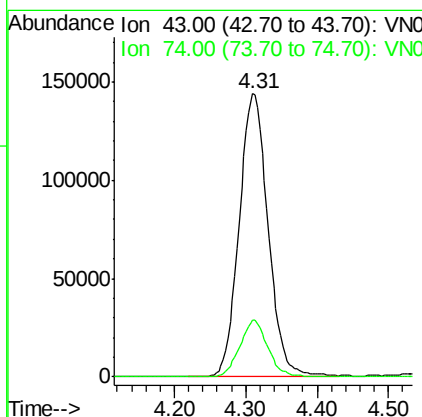
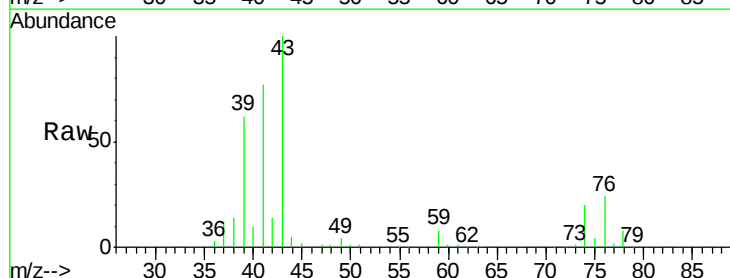
Manual Integrations
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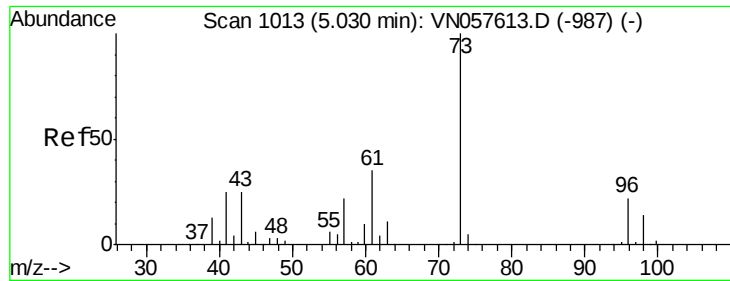
MMDadoda
9/3/2019 11:52:01 AM



#18
Methyl Acetate
Concen: 96.349 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.7	23.5





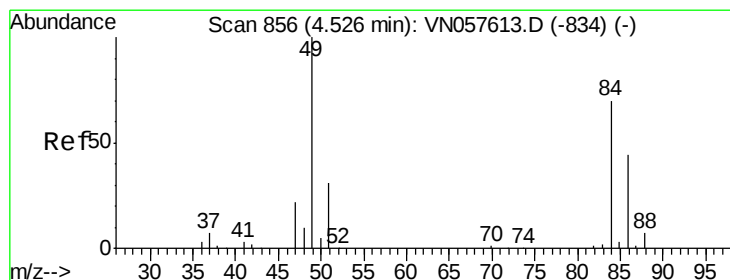
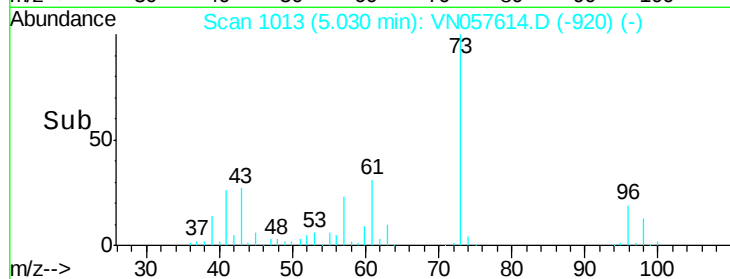
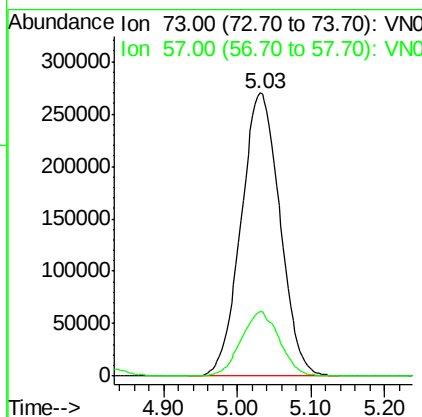
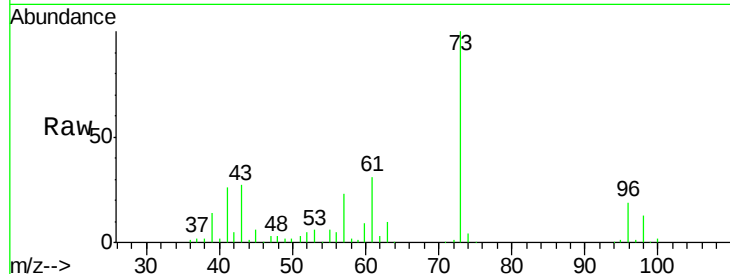
#19
Methyl tert-butyl Ether
Concen: 118.035 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 992116
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

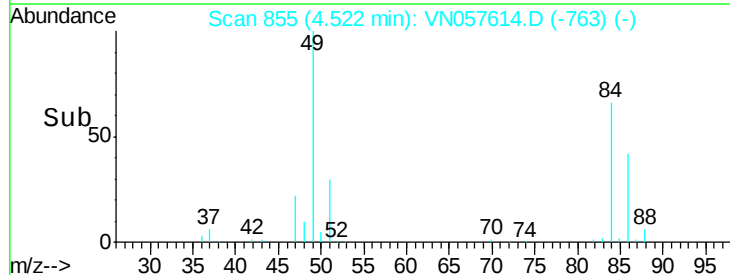
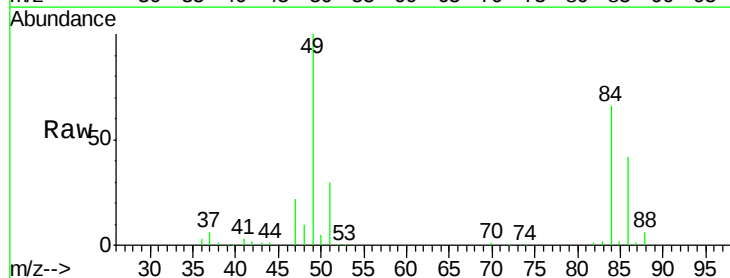
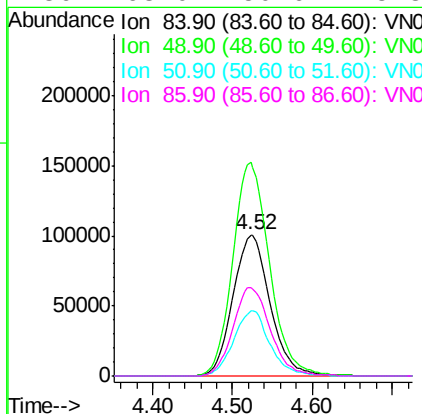
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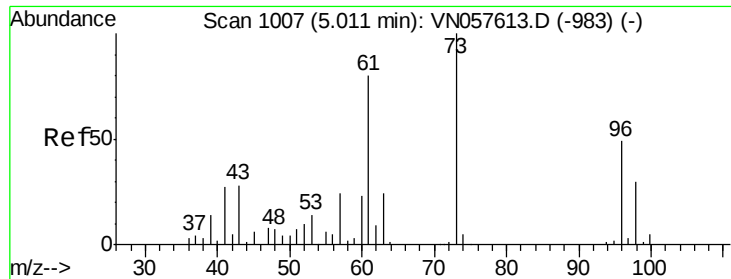
MMDadoda
9/3/2019 11:52:01 AM



#20
Methylene Chloride
Concen: 116.403 ug/l
RT: 4.52 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 84 Resp: 316446
Ion Ratio Lower Upper
84 100
49 151.3 113.8 170.6
51 46.0 35.0 52.6
86 63.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 114.820 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

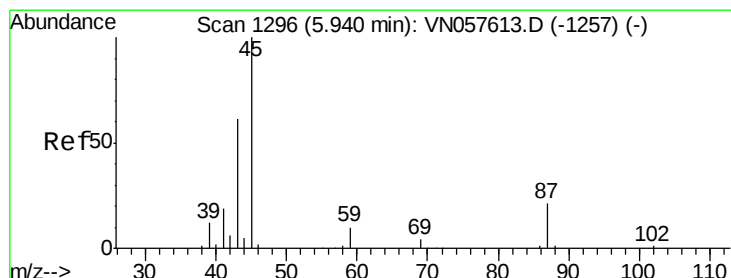
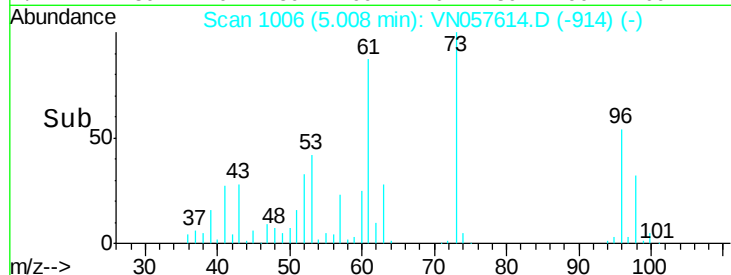
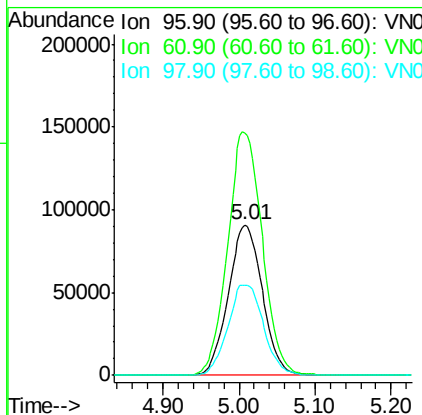
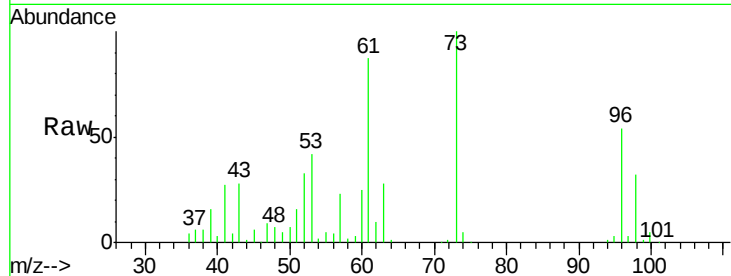
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	282154
Ion	Ratio	Lower	Upper
96	100		
61	161.0	131.6	197.4
98	59.7	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 121.770 ug/l

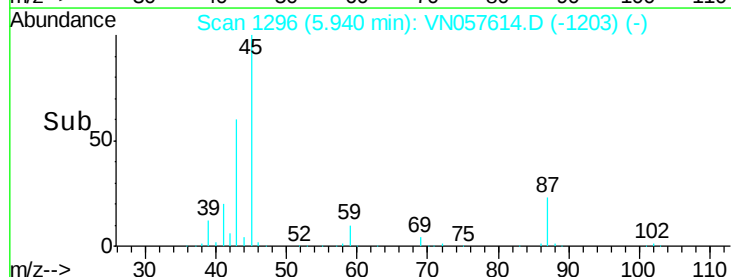
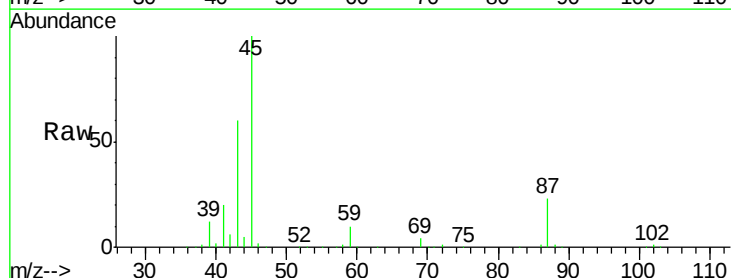
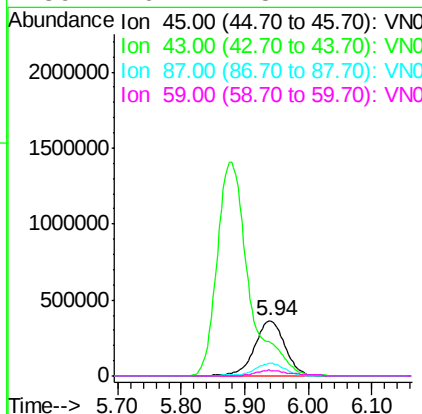
RT: 5.94 min Scan# 1296

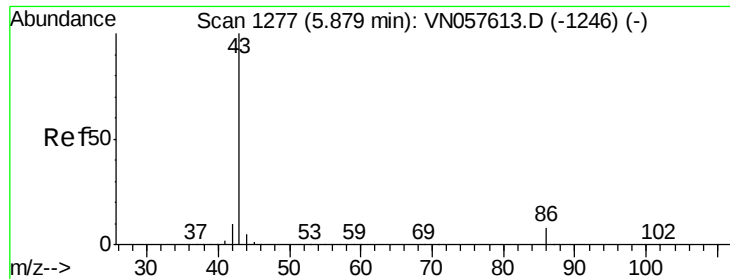
Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion:	45	Resp:	1213382
Ion	Ratio	Lower	Upper
45	100		
43	59.8	49.1	73.7
87	22.5	17.0	25.6
59	10.2	8.2	12.2





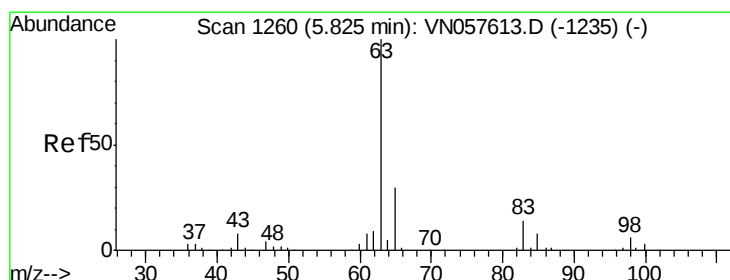
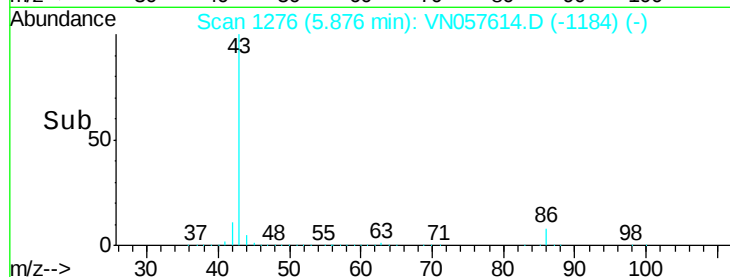
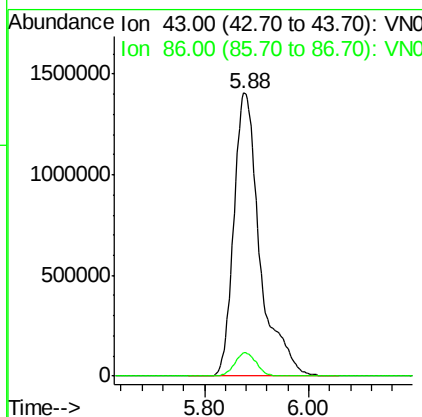
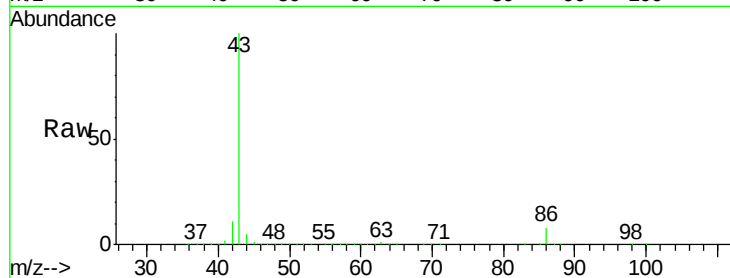
#23
 Vinyl Acetate
 Concen: 623.036 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 4886338
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.1 9.1

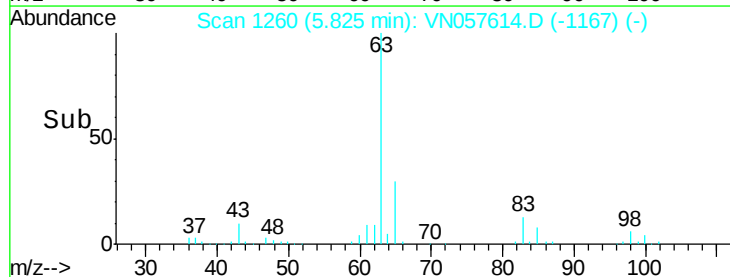
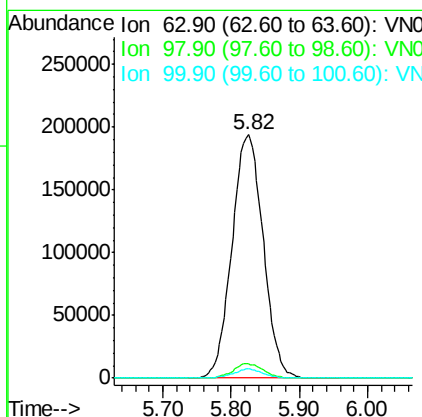
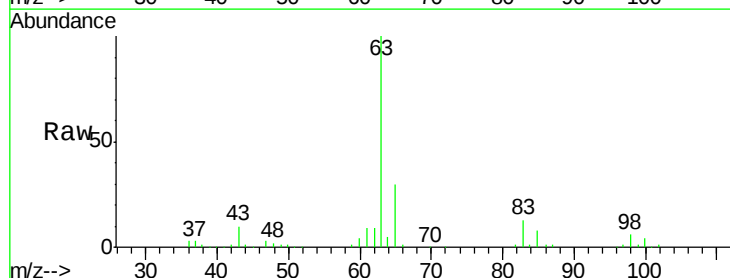
Manual Integrations
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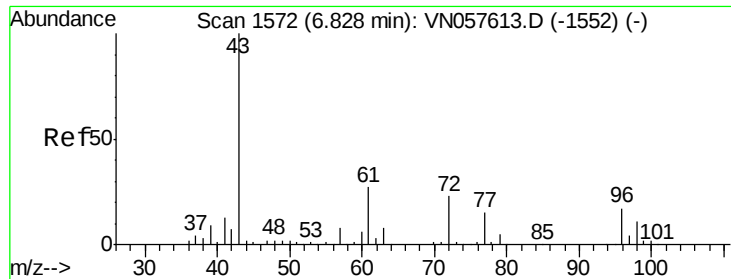
MMDadoda
 9/3/2019 11:52:01 AM



#24
 1,1-Dichloroethane
 Concen: 117.886 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion: 63 Resp: 616872
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.8 8.4
 100 3.7 1.5 4.5





#25

2-Butanone

Concen: 596.967 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1079549

Ion Ratio Lower Upper

43 100

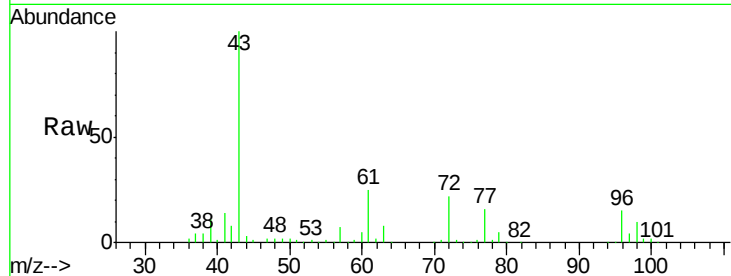
72 22.1 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

400000

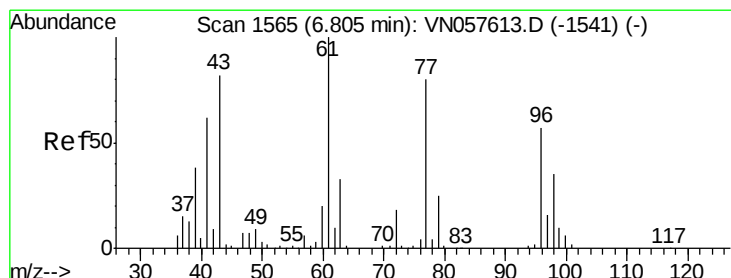
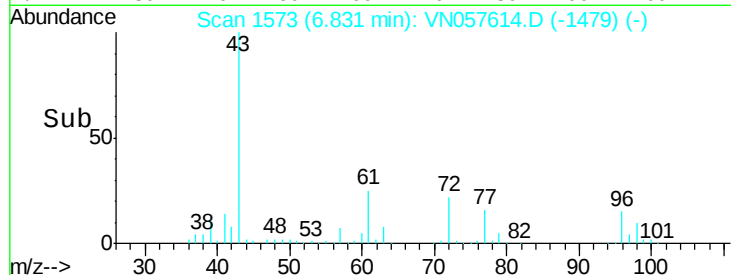
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 112.748 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057614.D

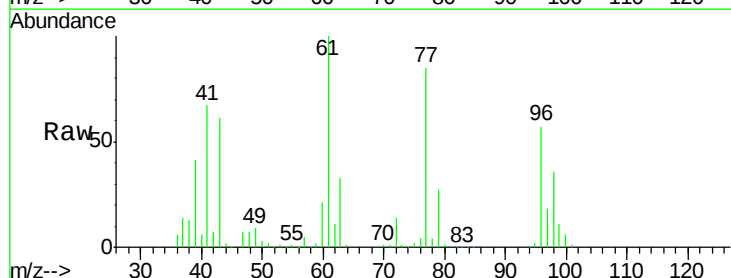
Acq: 31 Aug 2019 14:26

Tgt Ion: 77 Resp: 505533

Ion Ratio Lower Upper

77 100

97 20.6 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

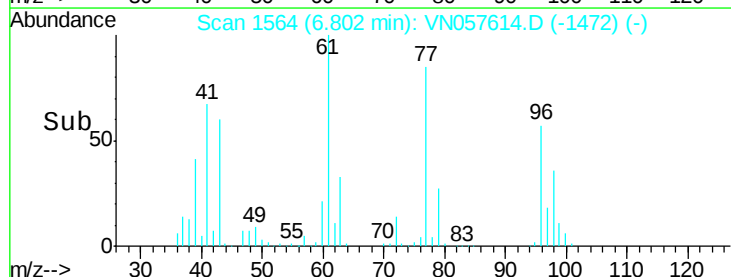
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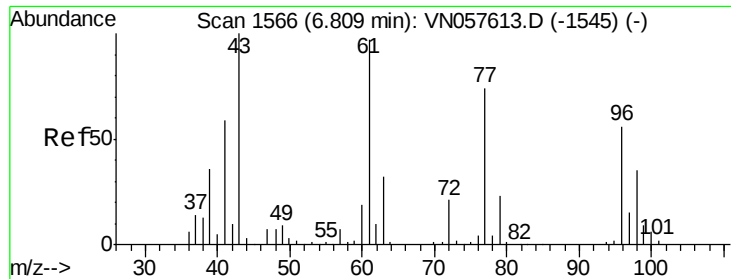
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 114.886 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

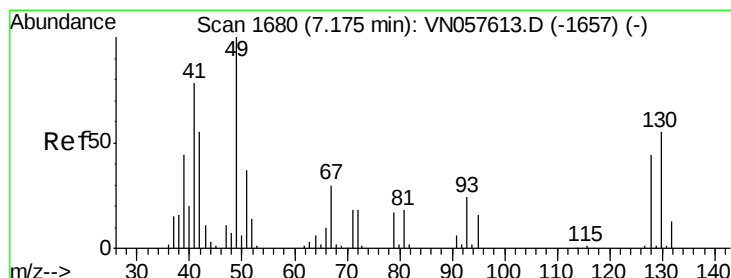
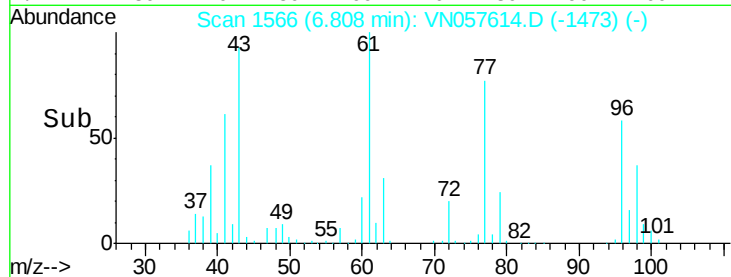
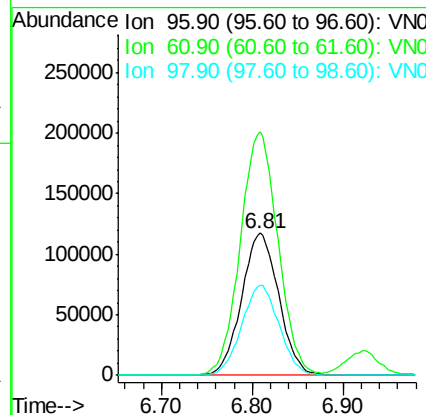
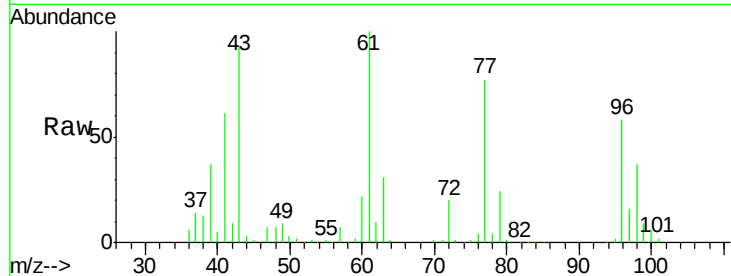
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	333506
Ion	Ratio	Lower	Upper
96	100		
61	173.0	0.0	344.6
98	64.1	0.0	124.8

Manual Integrations
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#28

Bromochloromethane

Concen: 116.050 ug/l

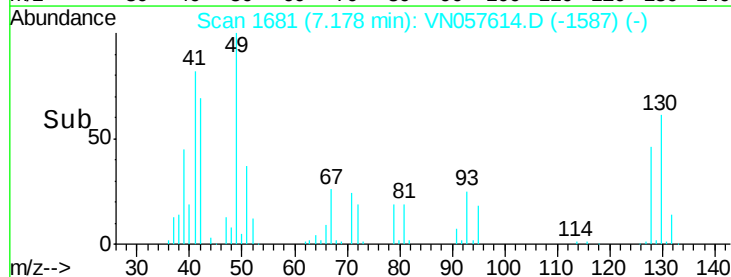
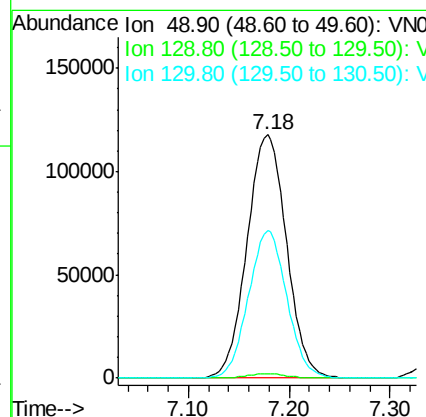
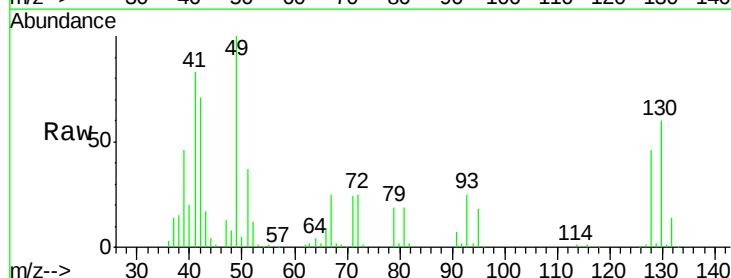
RT: 7.18 min Scan# 1681

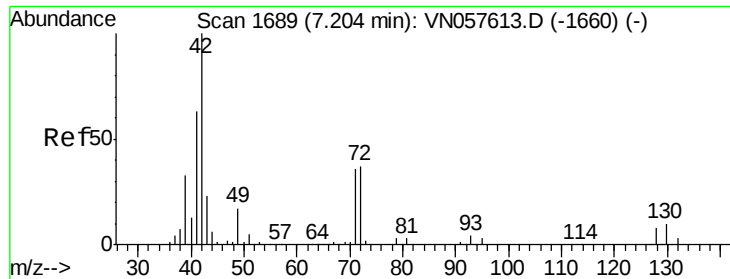
Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion:	49	Resp:	320017
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8
130	58.9	45.8	68.8





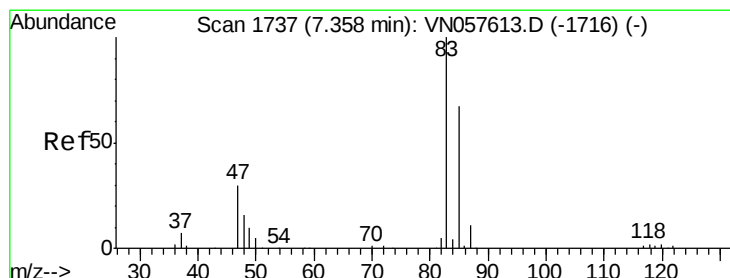
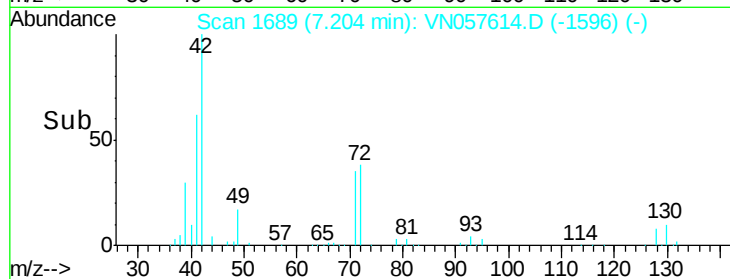
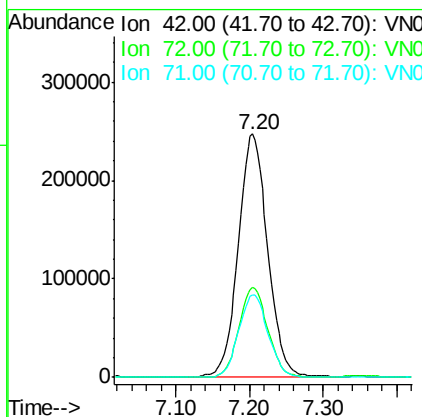
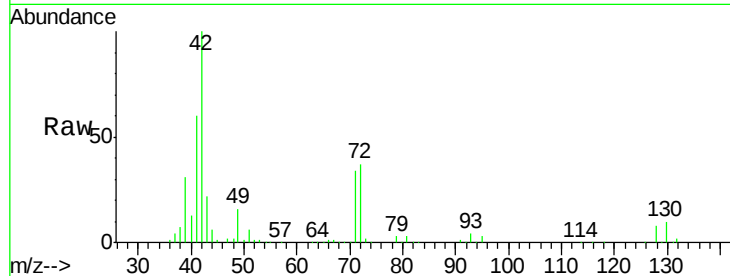
#29
Tetrahydrofuran
Concen: 582.406 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.6	44.4
71	34.0	27.9	41.9

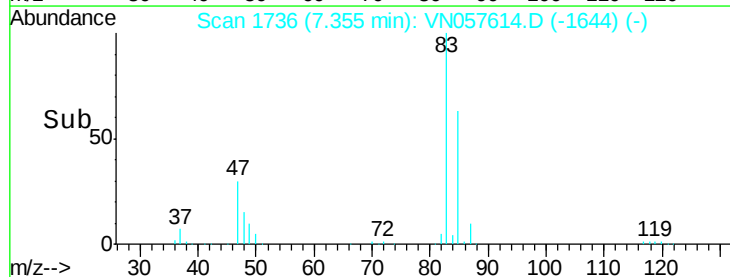
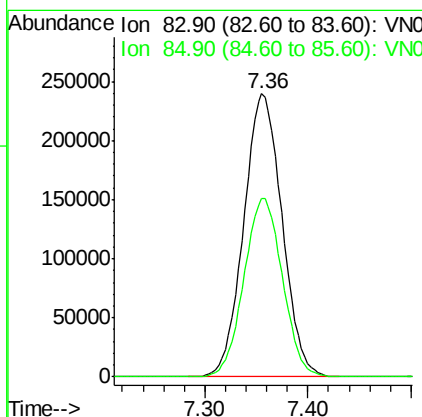
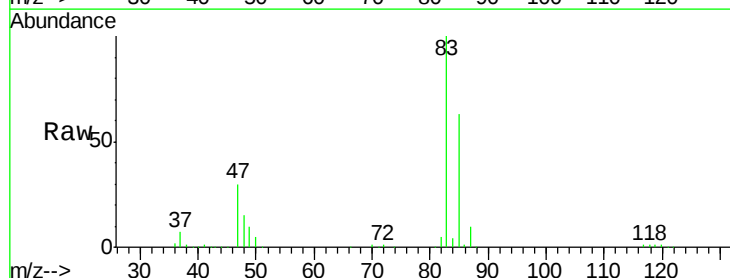
Manual Integrations
APPROVED

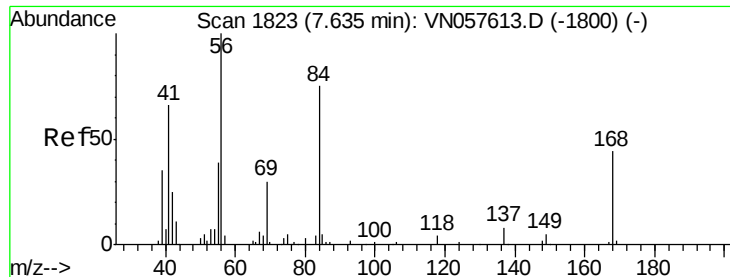
MMDadoda
9/3/2019 11:52:01 AM



#30
Chloroform
Concen: 113.808 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.2	79.8





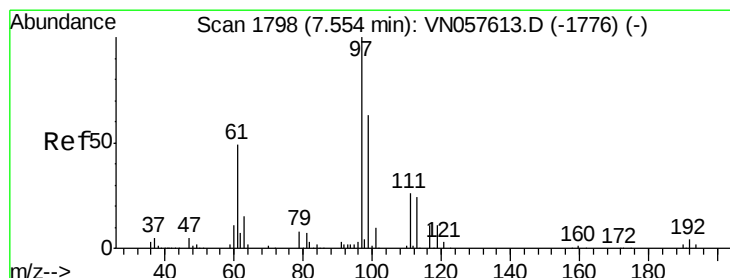
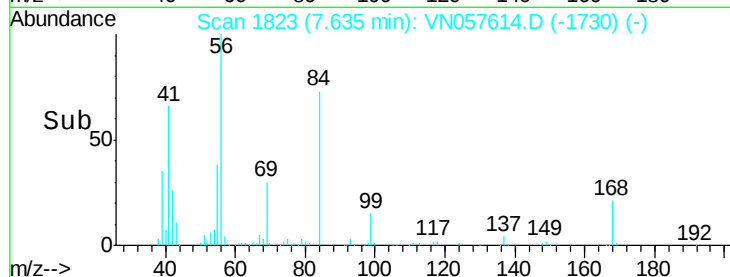
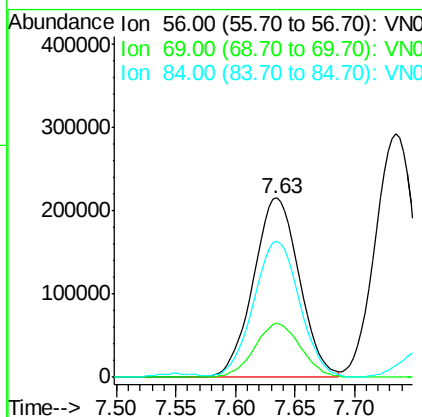
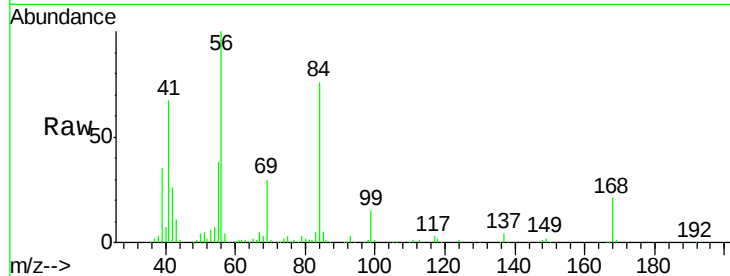
#31
Cyclohexane
Concen: 113.607 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	56	Resp:	576461
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	74.3	59.9	89.9

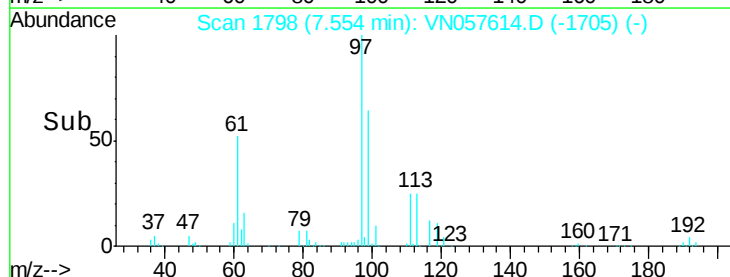
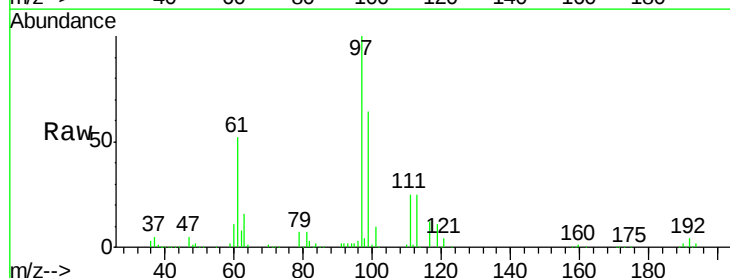
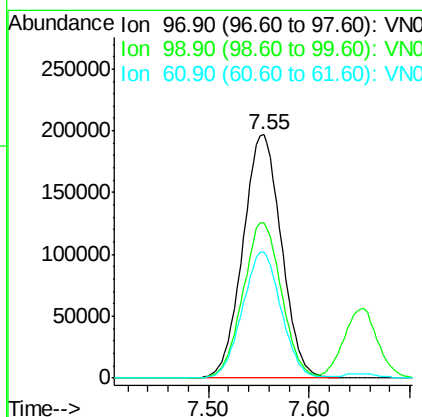
Manual Integrations
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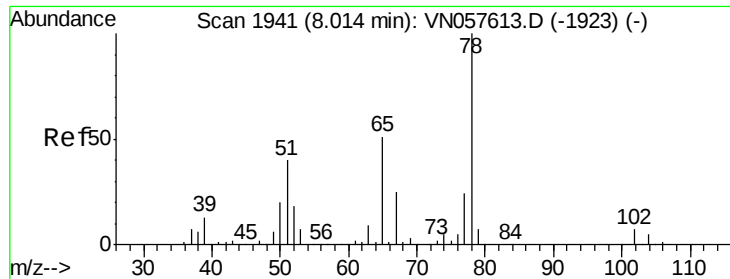
MMDadoda
9/3/2019 11:52:01 AM



#32
1,1,1-Trichloroethane
Concen: 116.804 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:	97	Resp:	520687
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	75.8
61	52.0	41.1	61.7





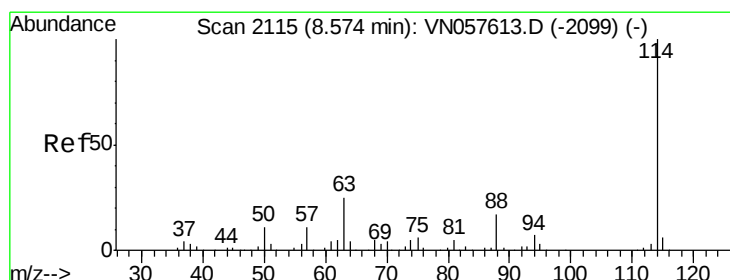
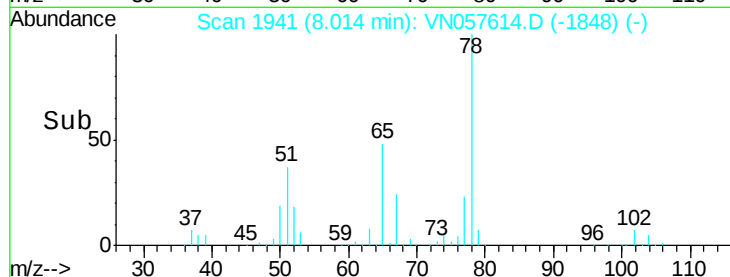
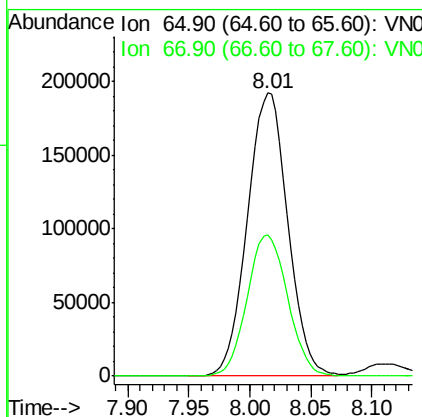
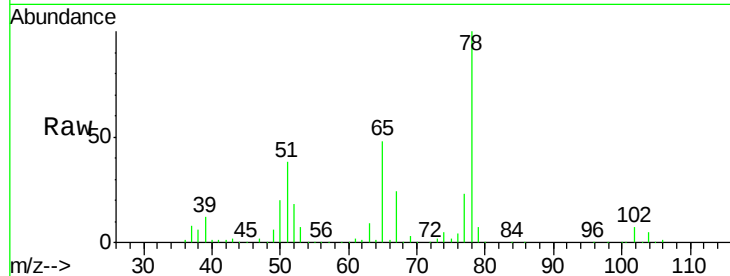
#33
 1,2-Dichloroethane-d4
 Concen: 120.905 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	441075		
67	50.0	0.0	102.2	

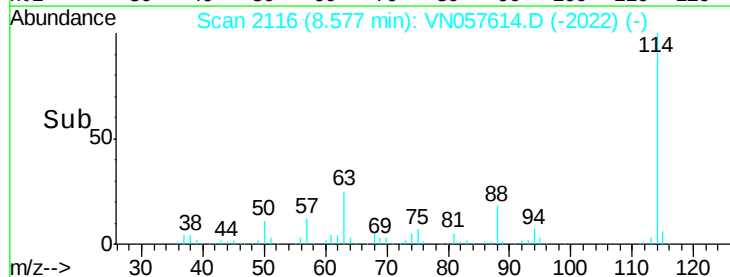
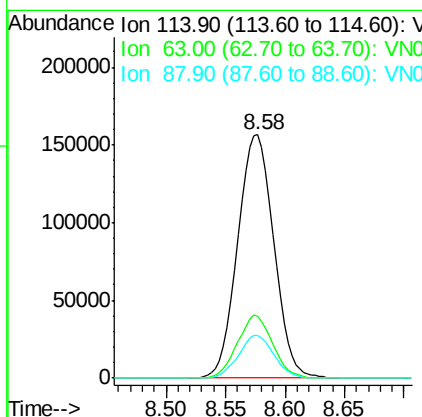
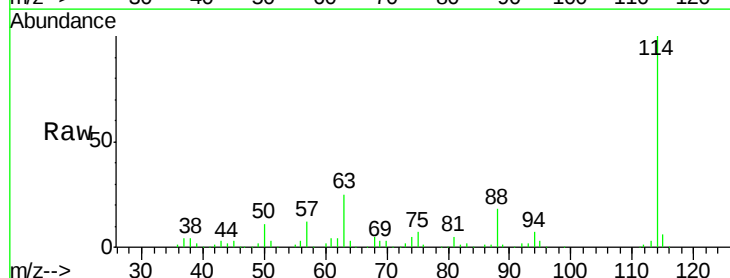
Manual Integrations
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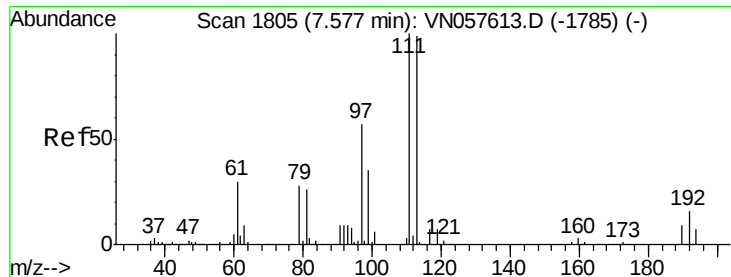
MMDadoda
 9/3/2019 11:52:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	329820		
63	25.4	0.0	49.0	
88	17.6	0.0	33.0	





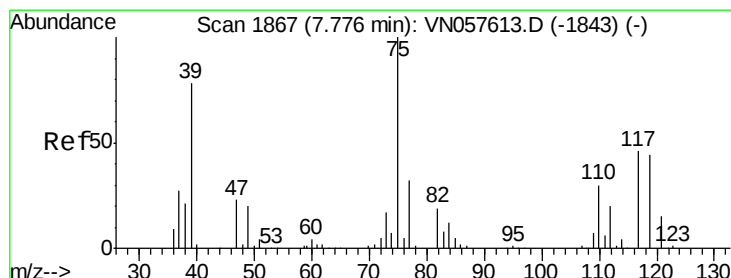
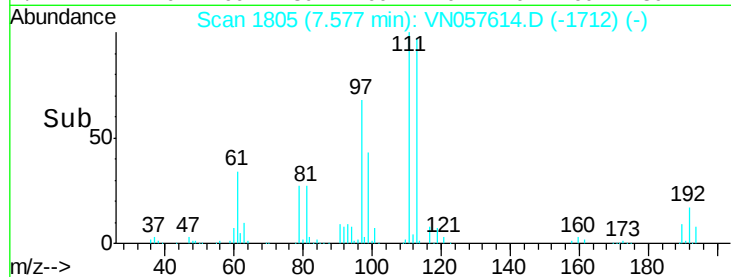
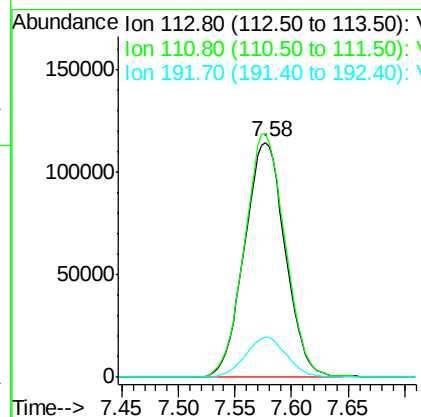
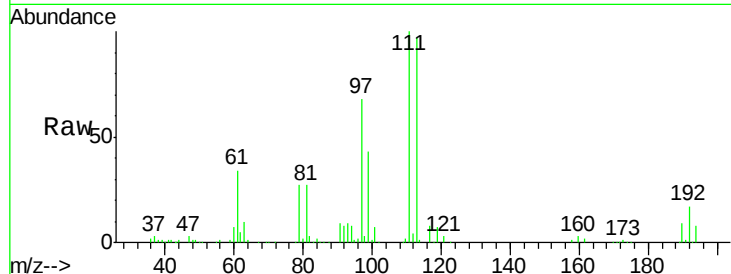
#35
 Dibromofluoromethane
 Concen: 120.904 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	287935		
111	103.8	81.3	121.9	
192	17.4	13.5	20.3	

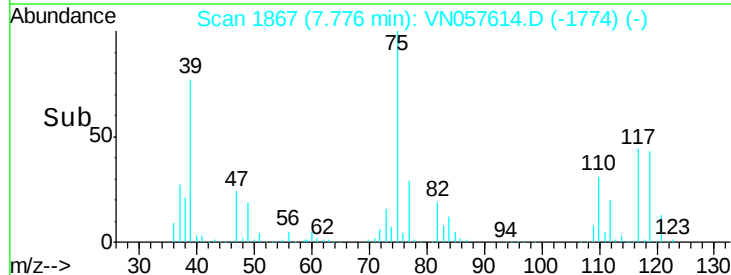
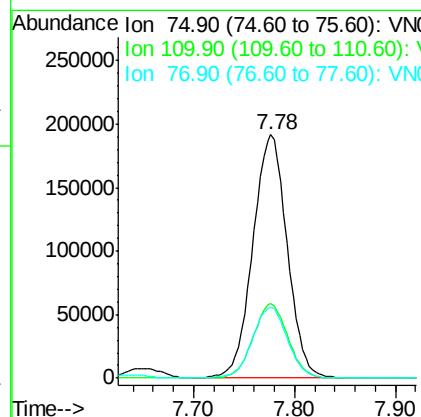
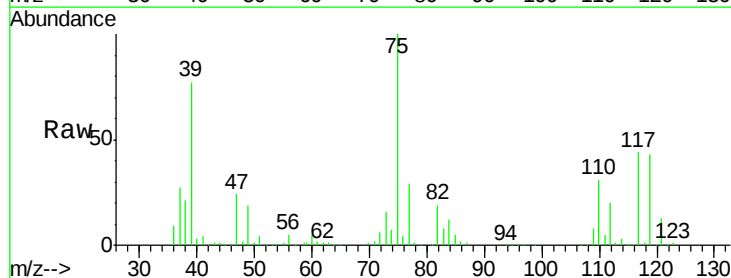
Manual Integrations
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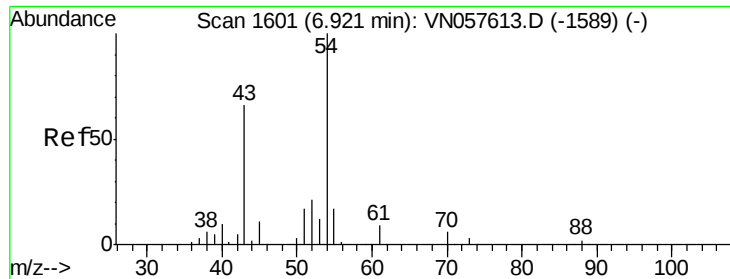
MMDadoda
 9/3/2019 11:52:01 AM



#36
 1,1-Dichloropropene
 Concen: 125.134 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	450437		
110	31.2	15.6	46.8	
77	30.0	24.9	37.3	





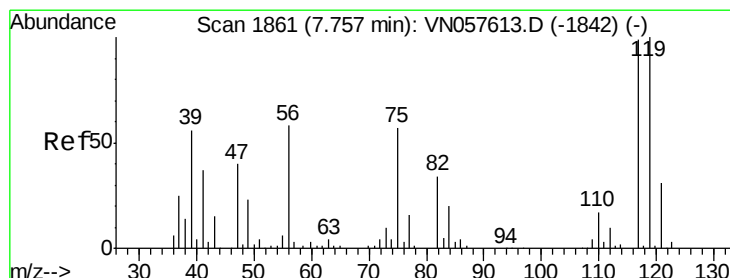
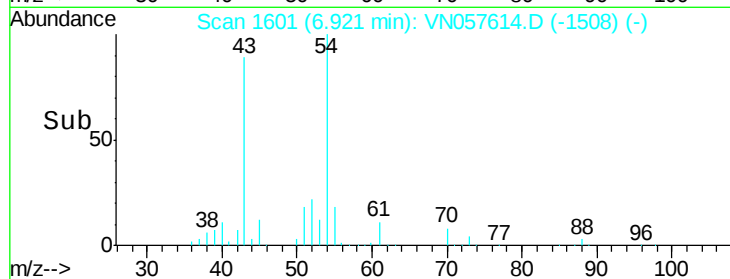
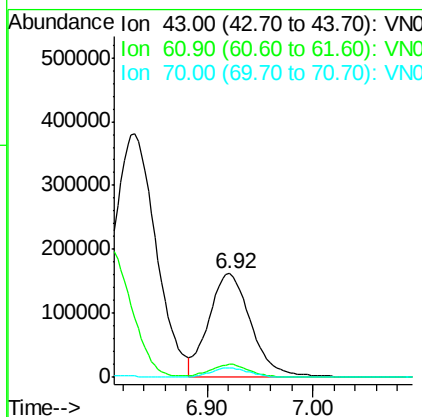
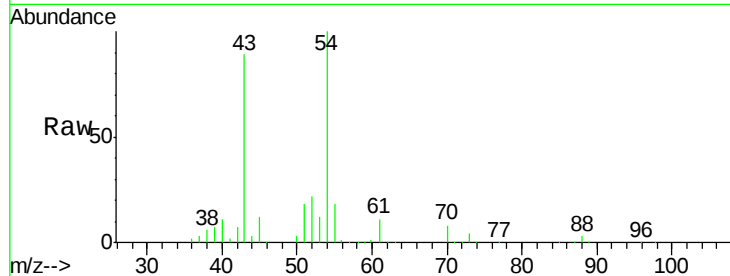
#37
Ethyl Acetate
Concen: 126.143 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.1	15.1
70	8.5	6.8	10.2

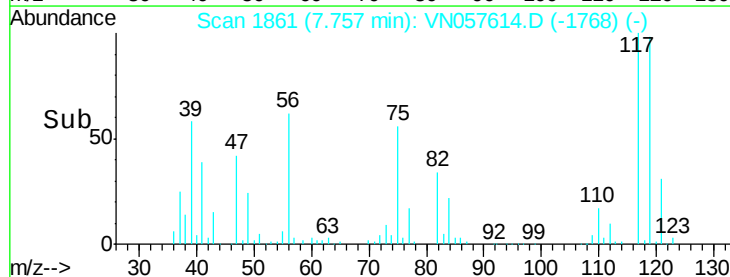
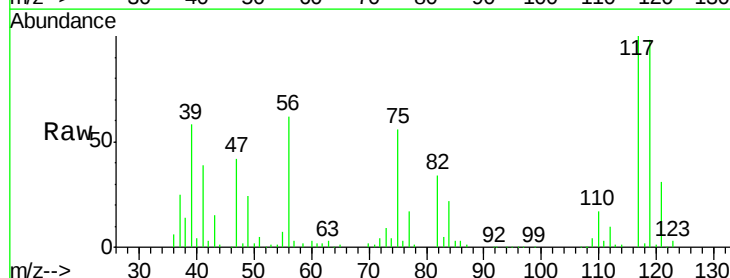
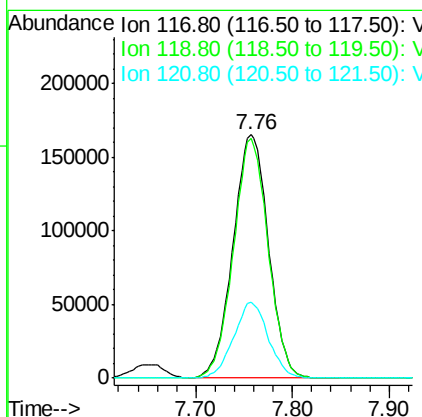
Manual Integrations
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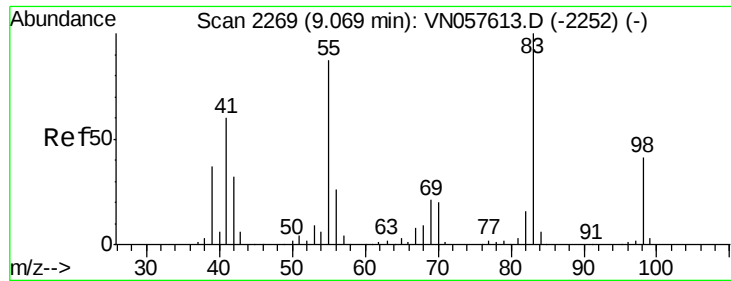
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#38
Carbon Tetrachloride
Concen: 120.356 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	80.6	120.8
121	31.1	25.1	37.7





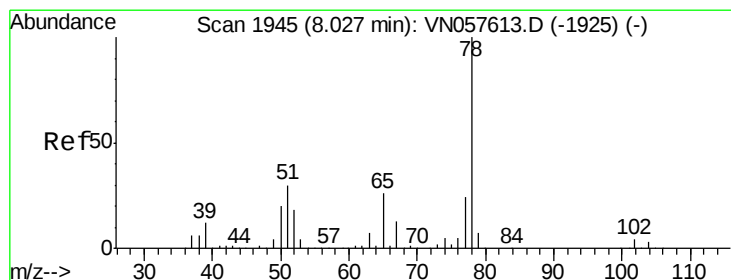
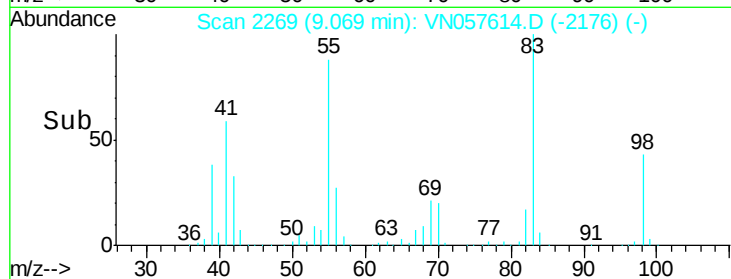
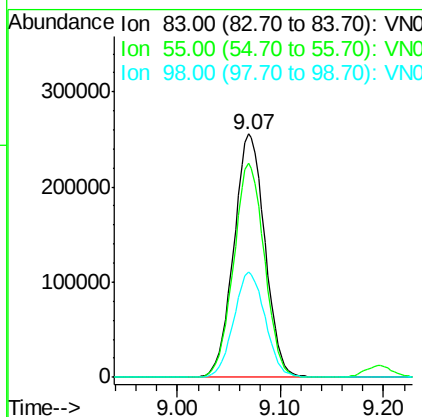
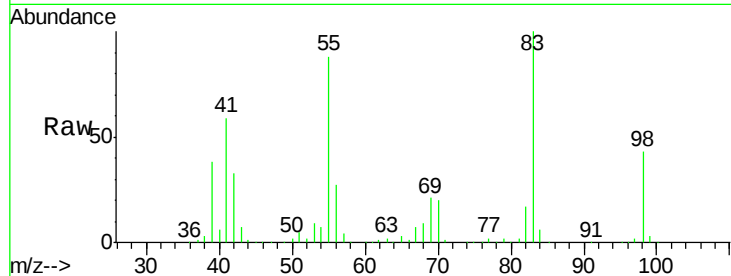
#39
Methvlcvclohexane
Concen: 125.758 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	69.8	104.8
98	43.4	32.7	49.1

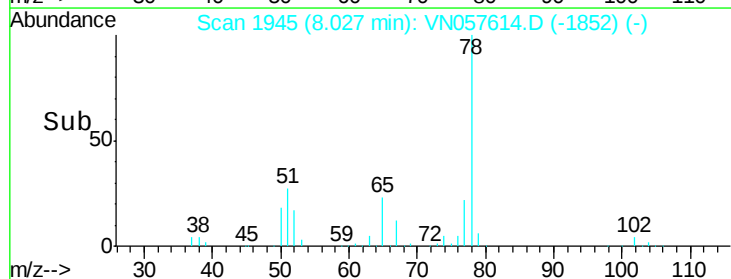
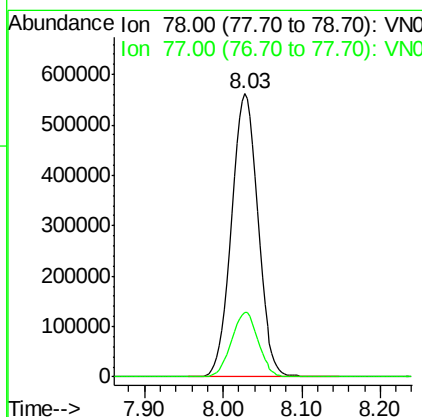
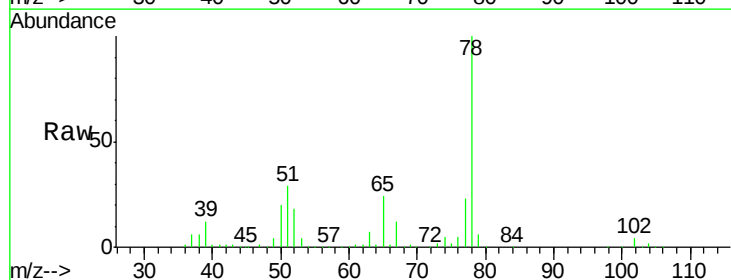
Manual Integrations
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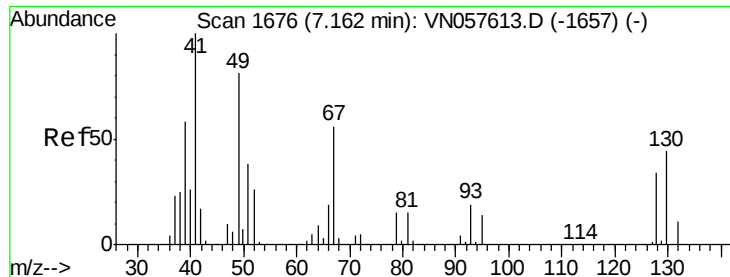
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#40
Benzene
Concen: 122.387 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7





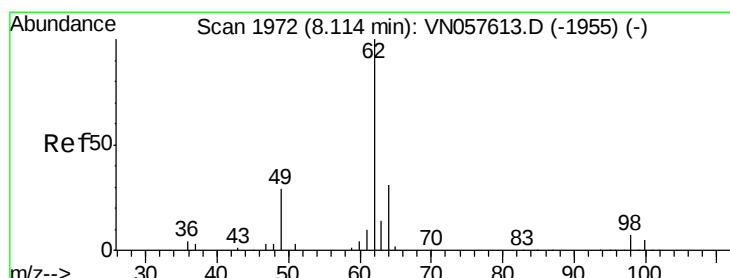
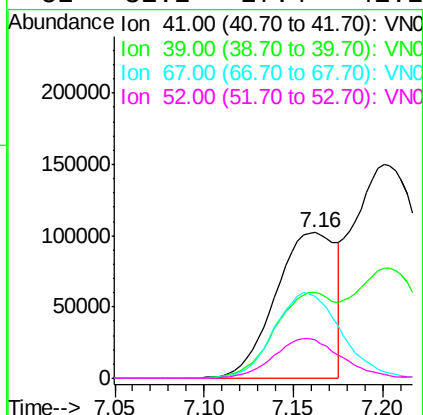
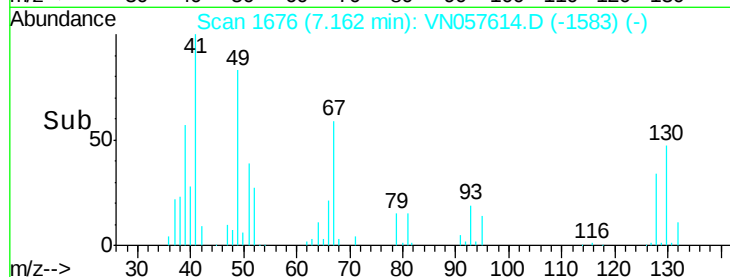
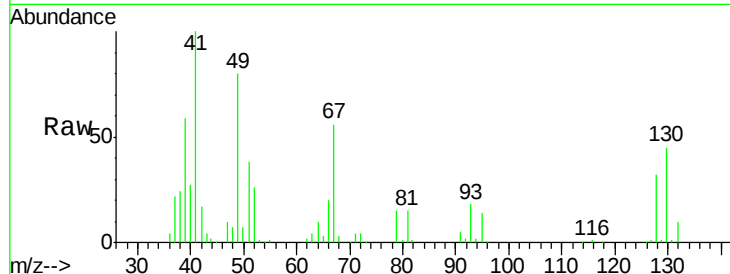
#41
Methacrylonitrile
Concen: 139.627 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.5	50.6	75.8	
67	66.0	56.9	85.3	
52	31.2	27.4	41.2	

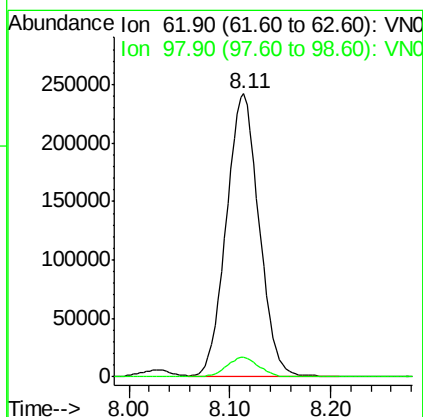
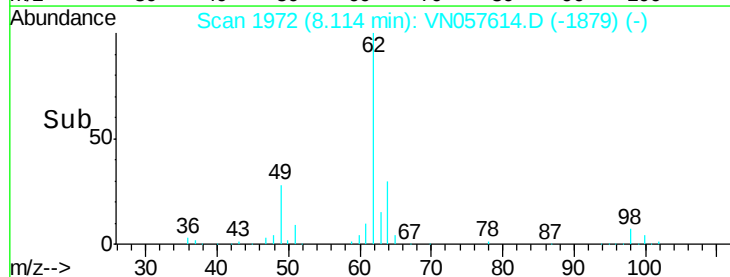
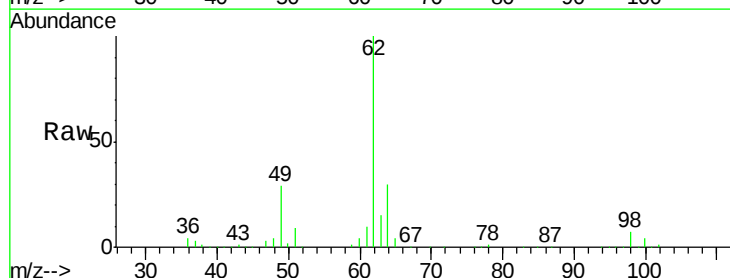
Manual Integrations
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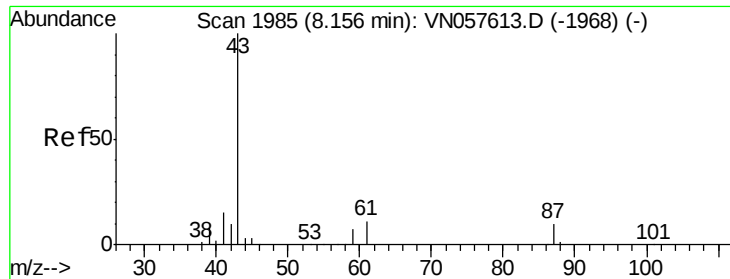
MMDadoda
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#42
1,2-Dichloroethane
Concen: 130.376 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.8	0.0	14.0	





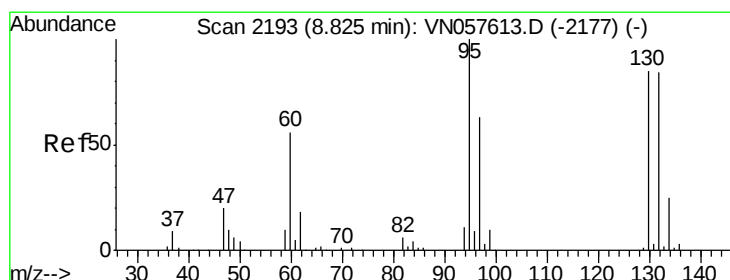
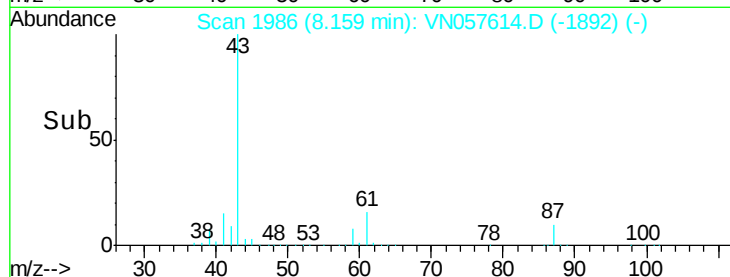
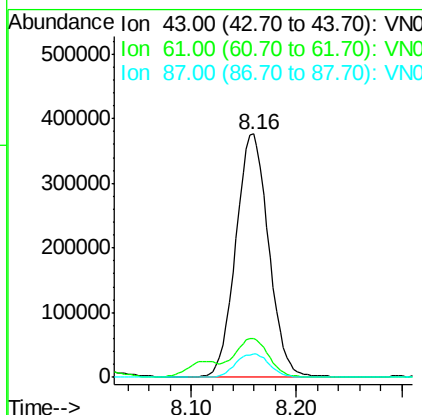
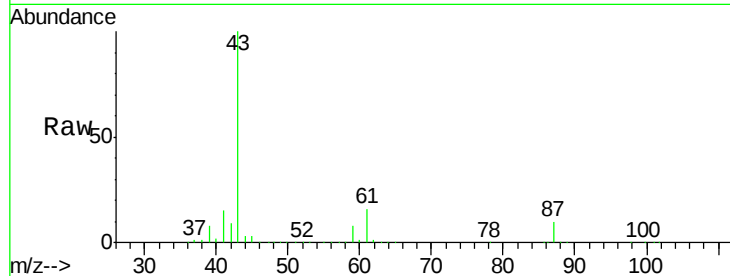
#43
Isopropyl Acetate
Concen: 124.974 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.1	19.7
87	10.1	8.1	12.1

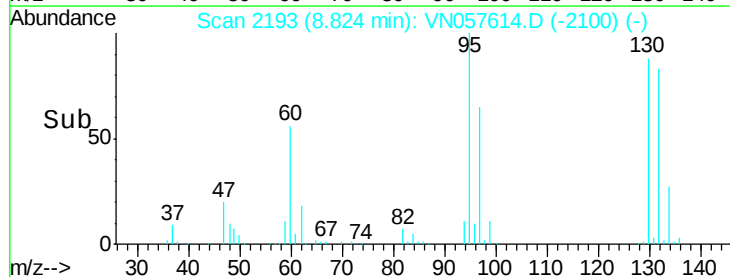
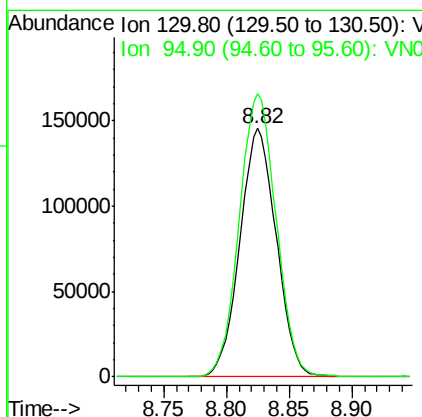
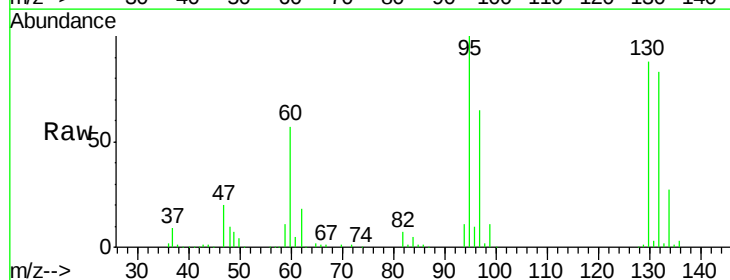
Manual Integrations
APPROVED

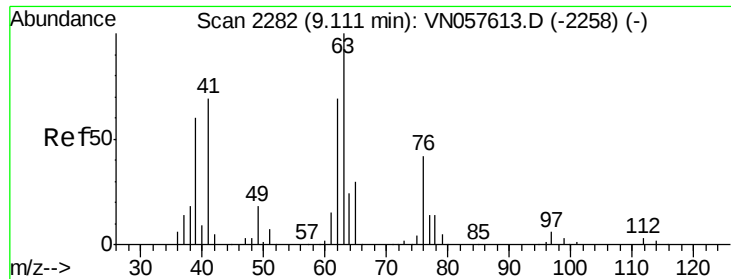
MMDadoda
9/3/2019 11:52:01 AM



#44
Trichloroethene
Concen: 123.228 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.9	0.0	234.4





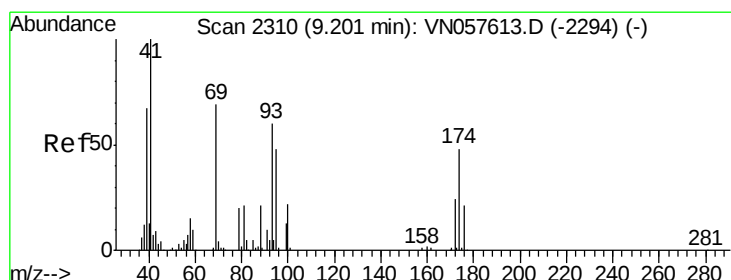
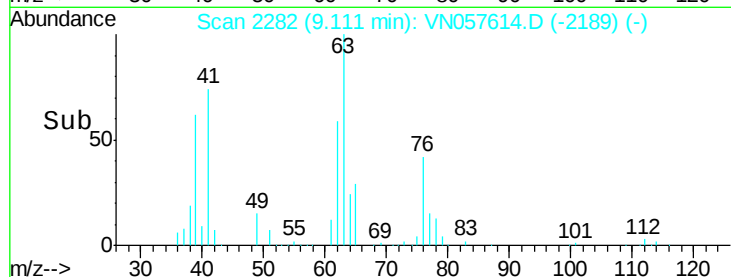
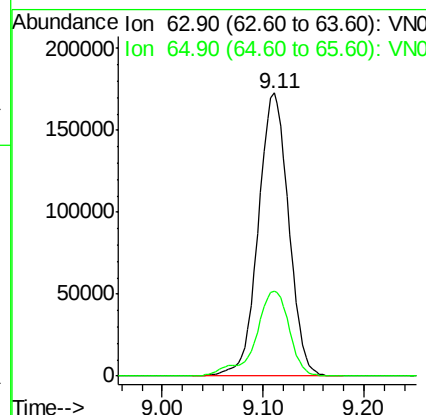
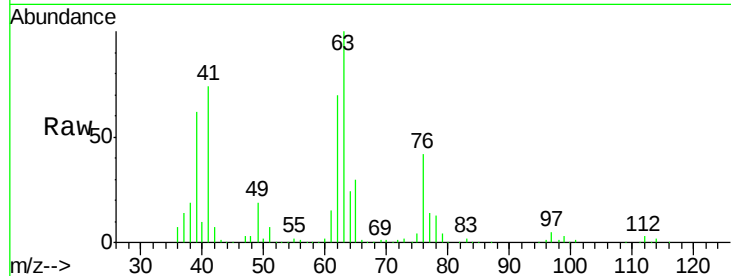
#45
 1,2-Dichloropropane
 Concen: 119.437 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	360699		
65	30.1		24.4	36.6

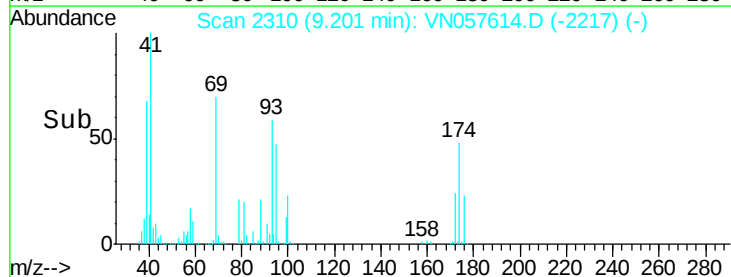
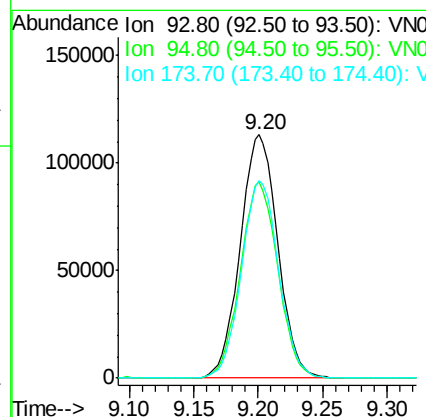
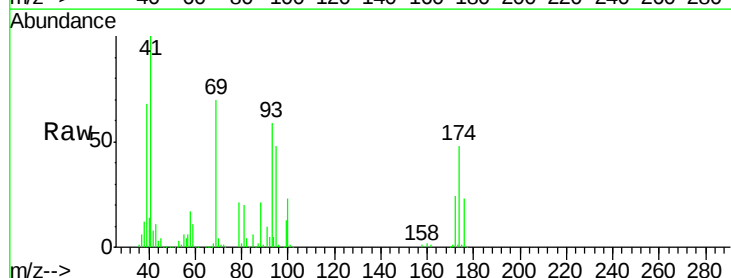
Manual Integrations
 APPROVED

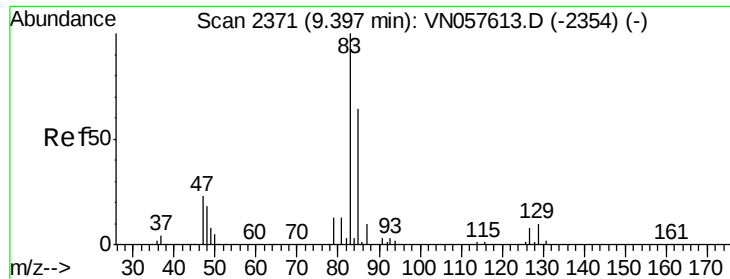
MMDadoda
 9/3/2019 11:52:01 AM



#46
 Dibromomethane
 Concen: 119.711 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	229545		
95	80.7		65.8	98.6
174	80.4		64.2	96.2





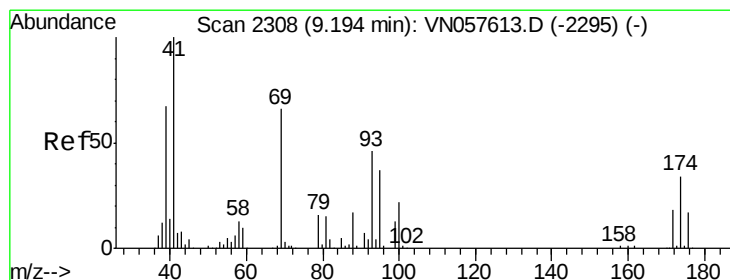
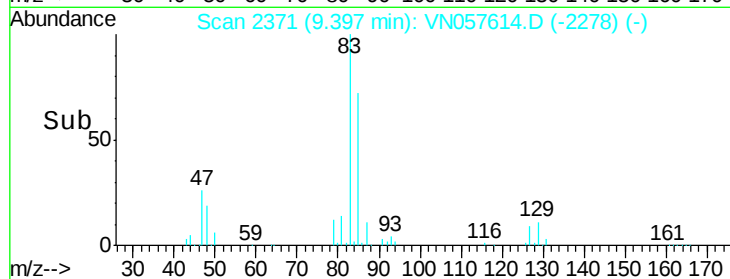
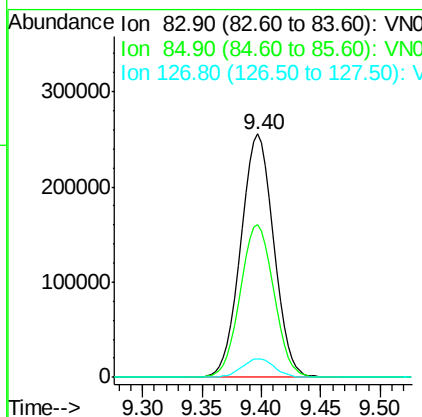
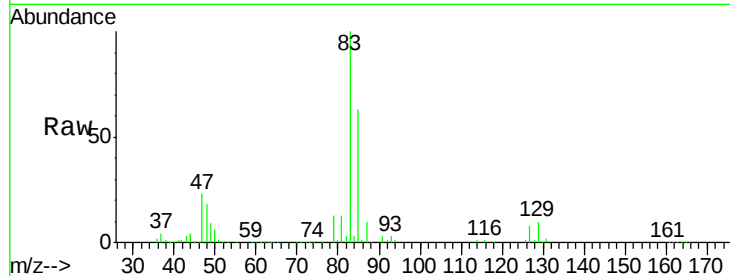
#47
Bromodichloromethane
Concen: 123.808 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	492059
Ion Ratio	100		
85	62.6	51.4	77.0
127	7.6	6.1	9.1

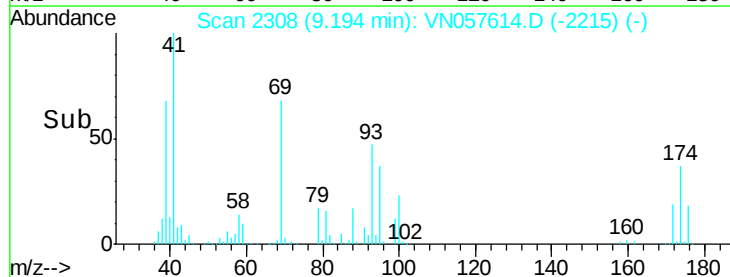
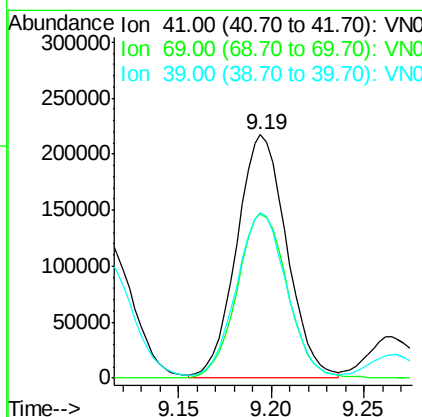
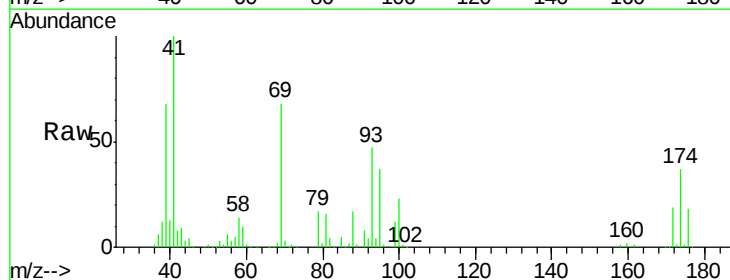
Manual Integrations
APPROVED

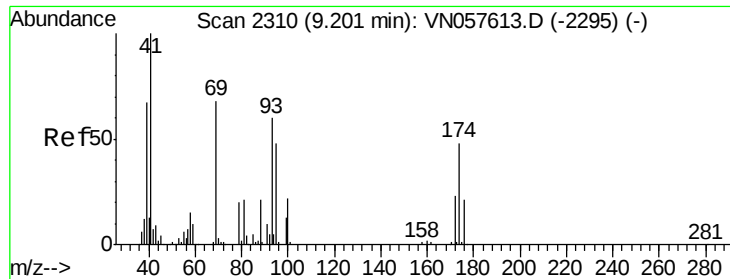
MMDadoda
9/3/2019 11:52:01 AM



#48
Methyl methacrylate
Concen: 130.413 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	41	Resp	405811
Ion Ratio	100		
69	68.7	55.1	82.7
39	68.6	55.4	83.2





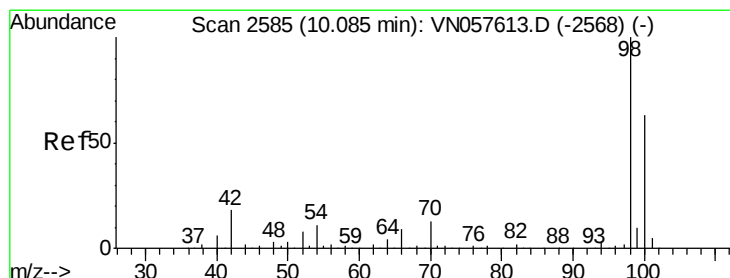
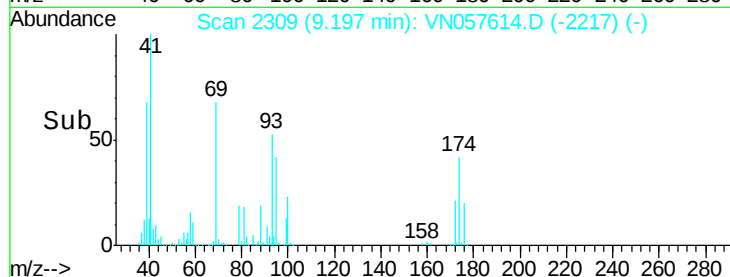
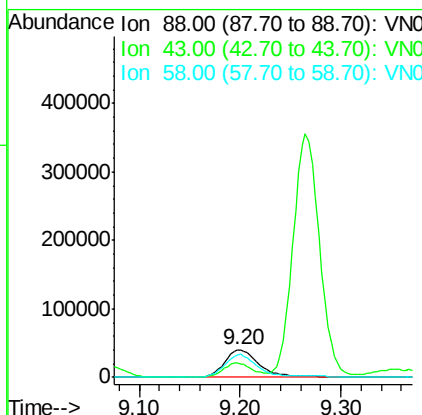
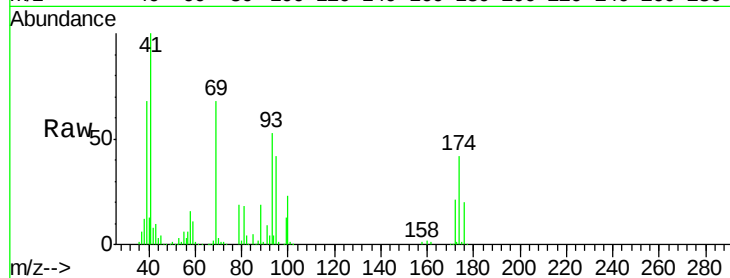
#49
1,4-Dioxane
Concen: 2479.210 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	97270
Ion	Ratio	Lower	Upper
88	100		
43	43.2	35.0	52.4
58	75.9	61.6	92.4

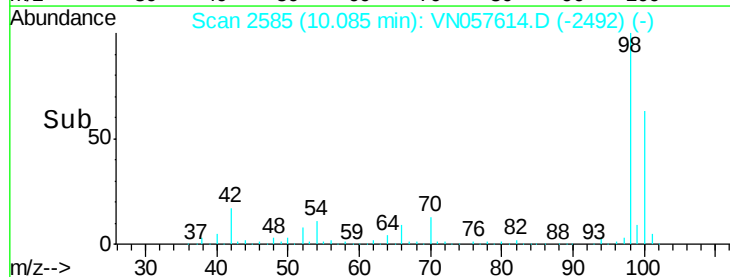
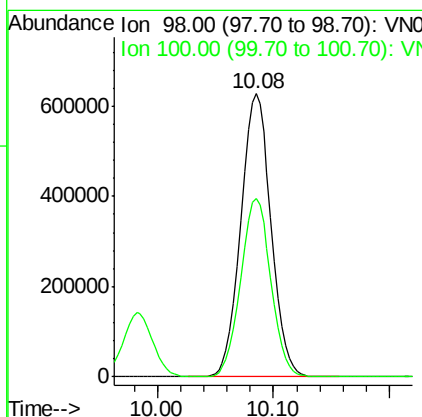
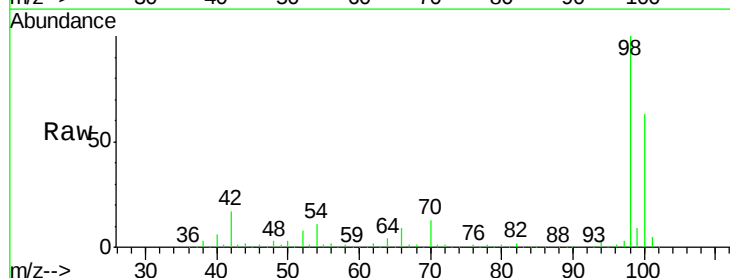
Manual Integrations
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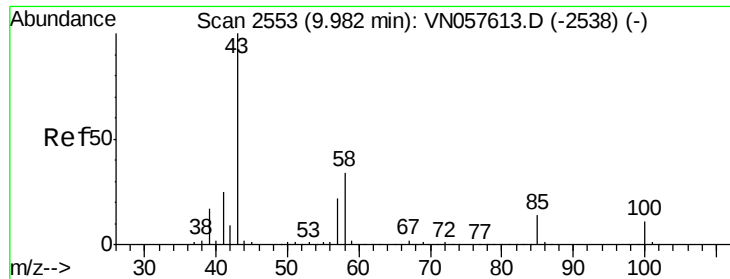
MMDadoda
9/3/2019 11:52:01 AM



#50
Toluene-d8
Concen: 125.641 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	98	Resp	1131545
Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 633.845 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2310302

Ion Ratio Lower Upper

43 100

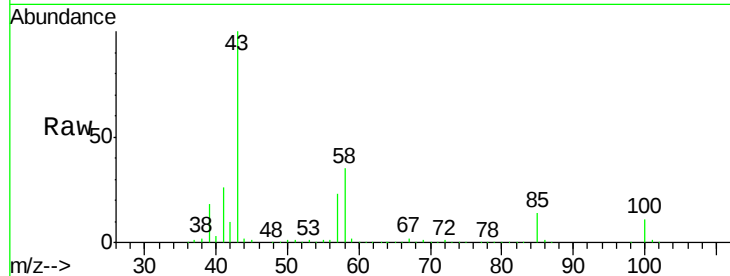
58 34.4 26.9 40.3

Manual Integrations

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MMDadoda

9/3/2019 11:52:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN057613.D (-2538) (-)

1500000

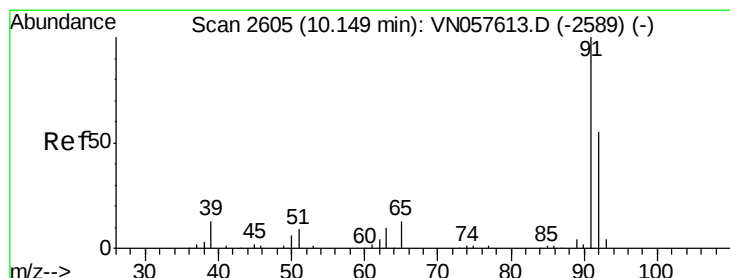
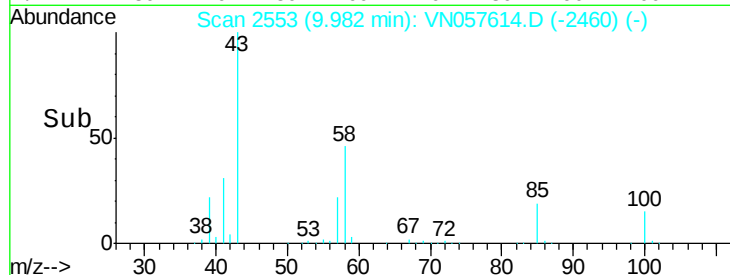
1000000

500000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 127.484 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057614.D

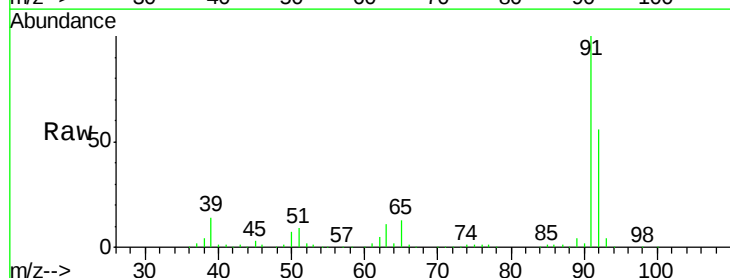
Acq: 31 Aug 2019 14:26

Tgt Ion: 92 Resp: 792265

Ion Ratio Lower Upper

92 100

91 177.6 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN057613.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN057613.D (-2589) (-)

800000

600000

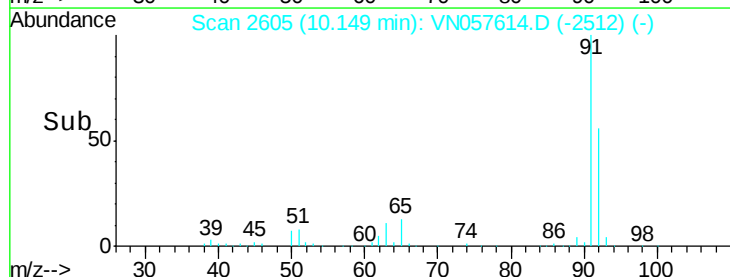
400000

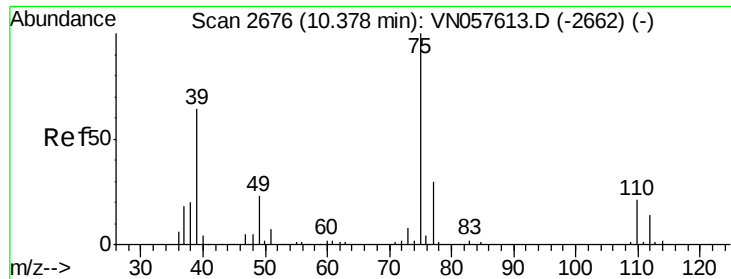
200000

0

10.10 10.20

Time-->





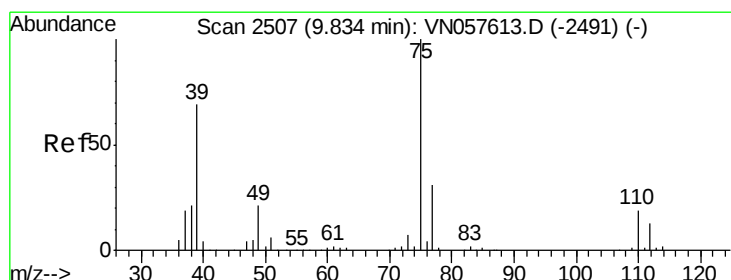
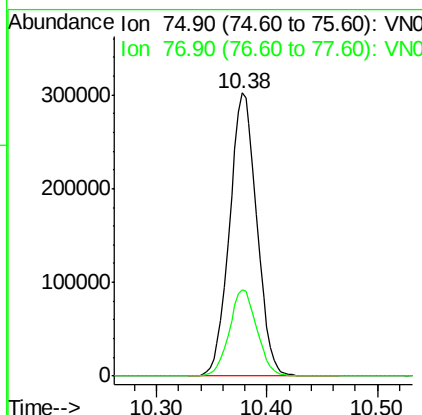
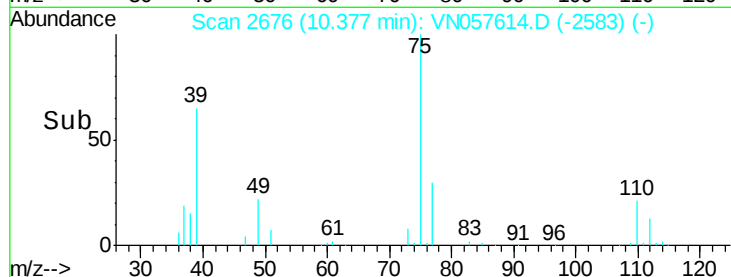
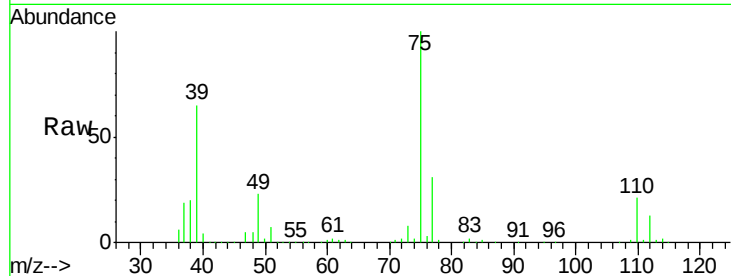
#53
t-1,3-Dichloropropene
Concen: 125.038 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 517900
Ion Ratio Lower Upper
75 100
77 30.7 24.1 36.1

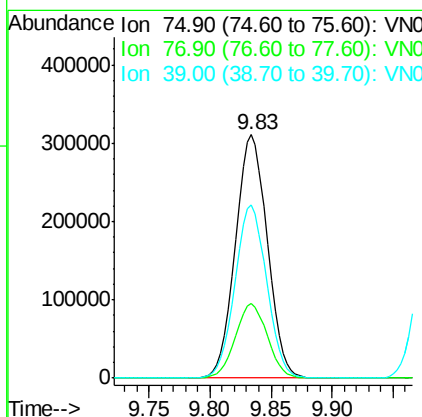
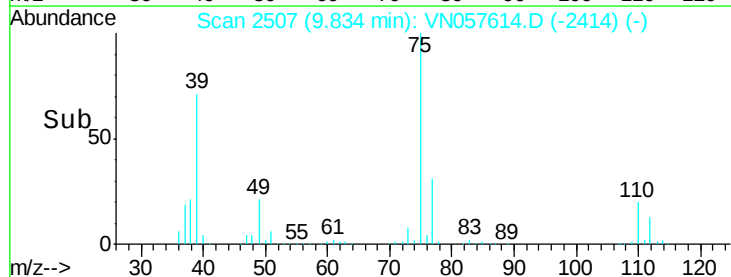
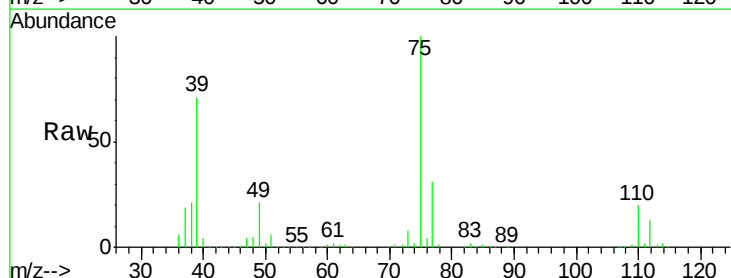
Manual Integrations
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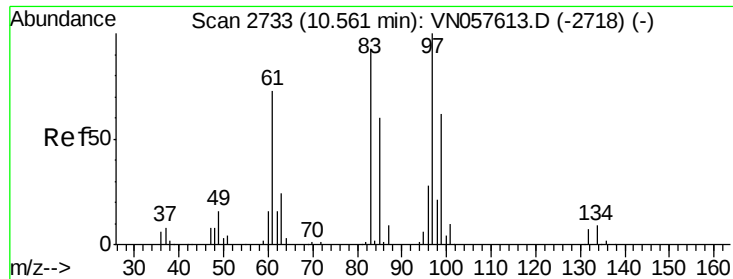
MMDadoda
9/3/2019 11:52:01 AM



#54
cis-1,3-Dichloropropene
Concen: 121.864 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 75 Resp: 563181
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 71.1 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 122.111 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 304638

Ion Ratio Lower Upper

97 100

83 90.2 74.2 111.2

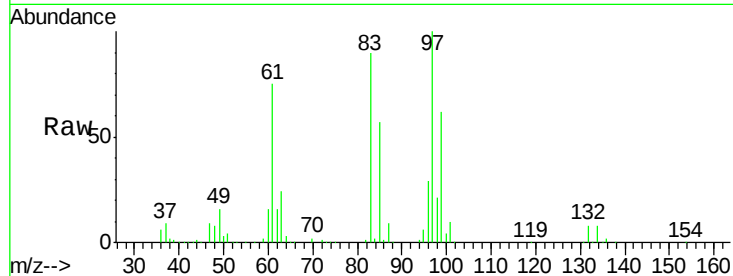
85 57.2 47.8 71.8

99 61.9 49.3 73.9

Manual Integrations
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9/3/2019 11:52:01 AM



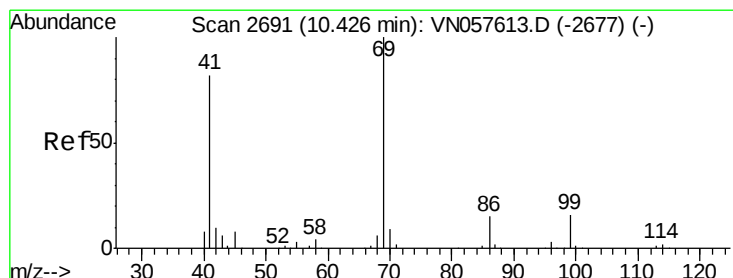
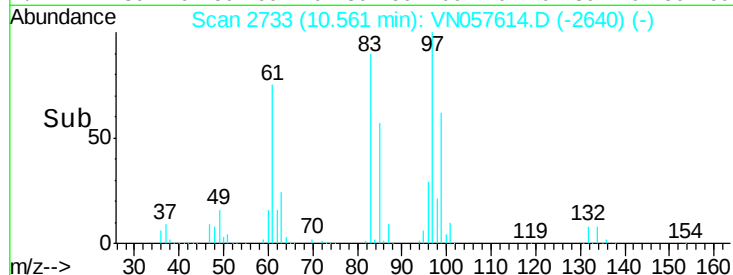
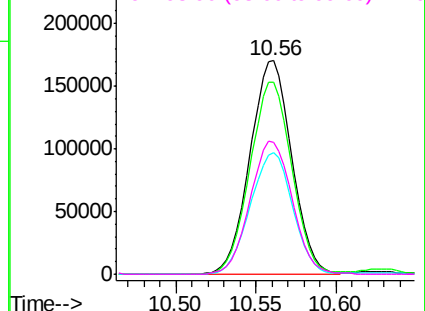
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 131.182 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

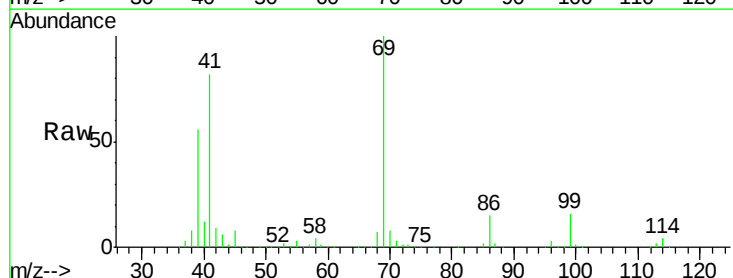
Tgt Ion: 69 Resp: 516760

Ion Ratio Lower Upper

69 100

41 82.4 65.8 98.6

39 56.0 43.8 65.8

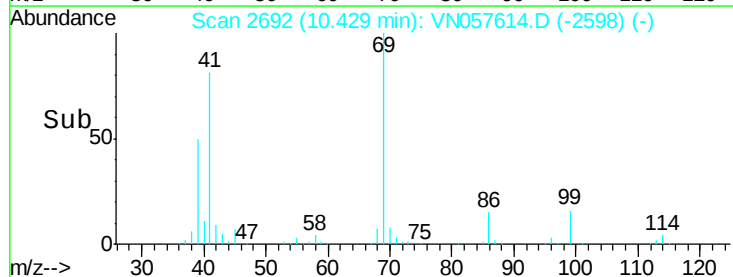
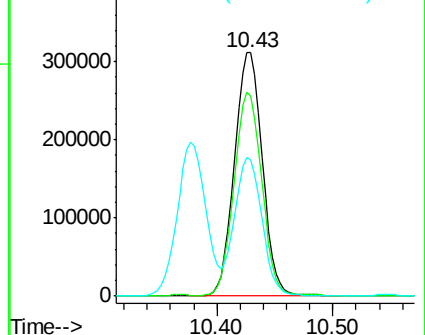


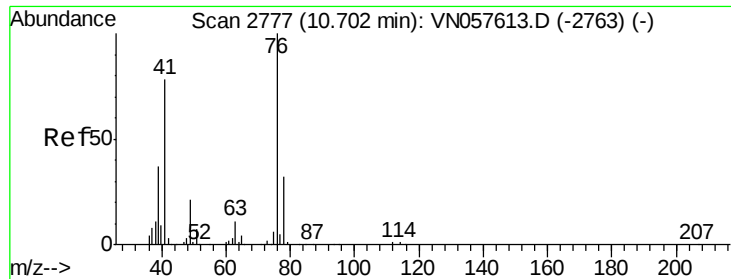
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





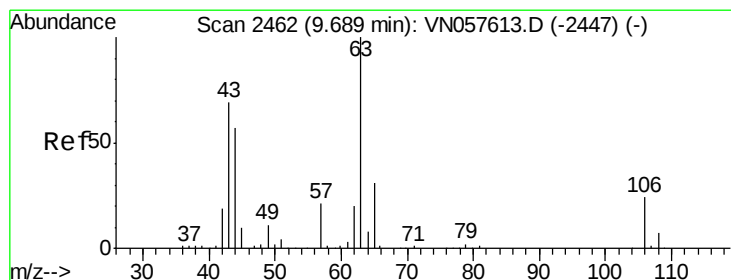
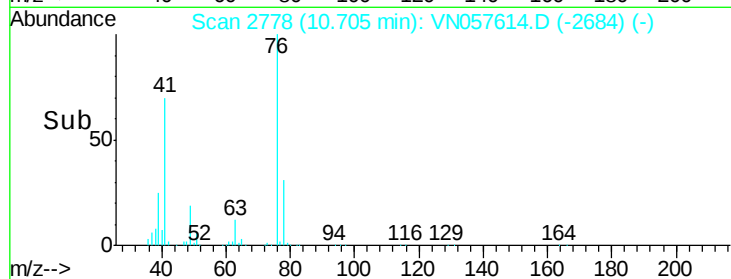
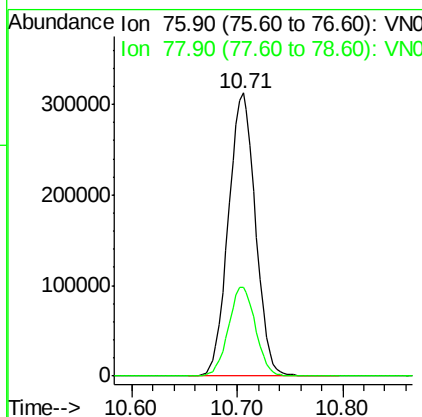
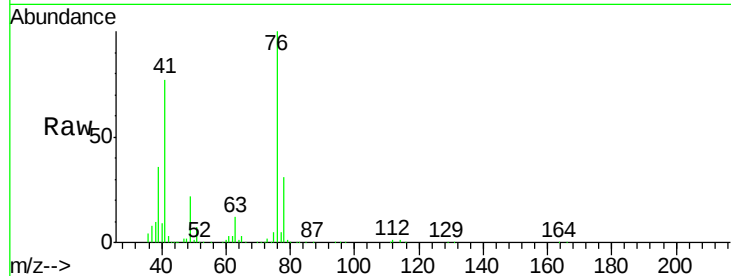
#57
 1,3-Dichloropropane
 Concen: 126.575 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.4	38.2

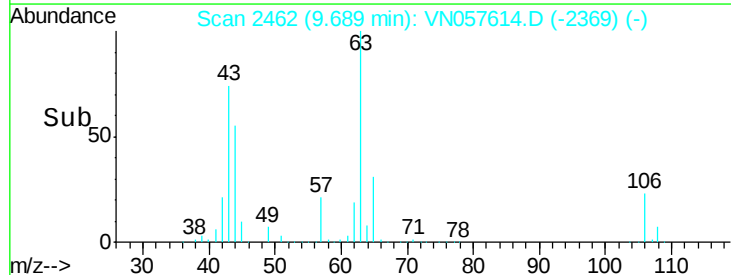
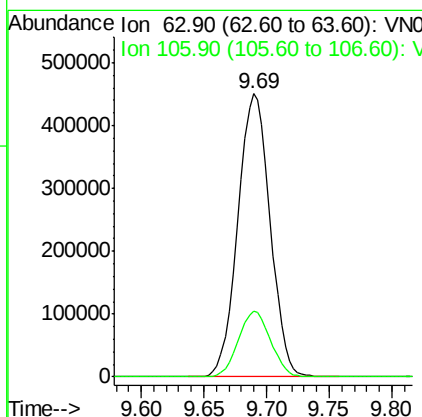
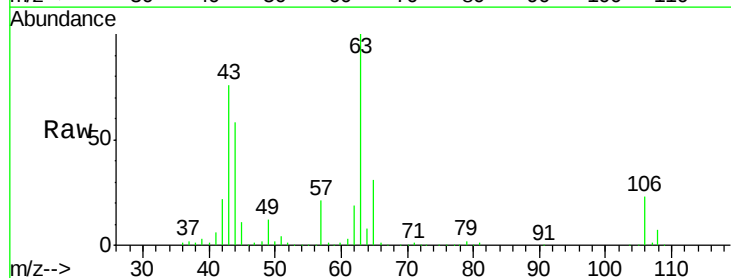
Manual Integrations
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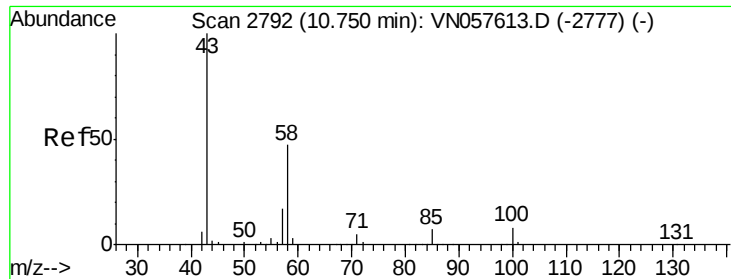
MMDadoda
 9/3/2019 11:52:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 842.769 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.1	18.3	27.5





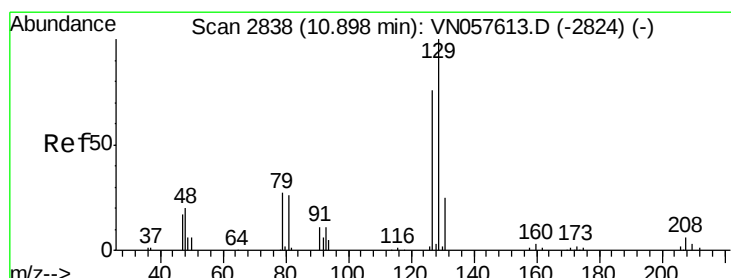
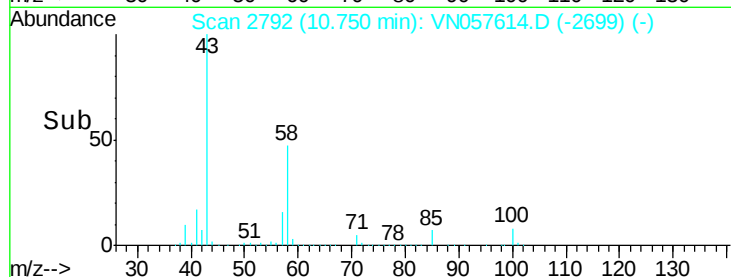
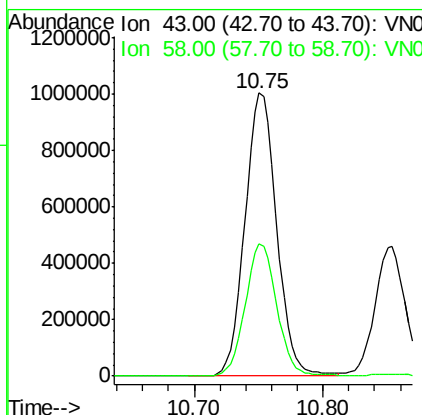
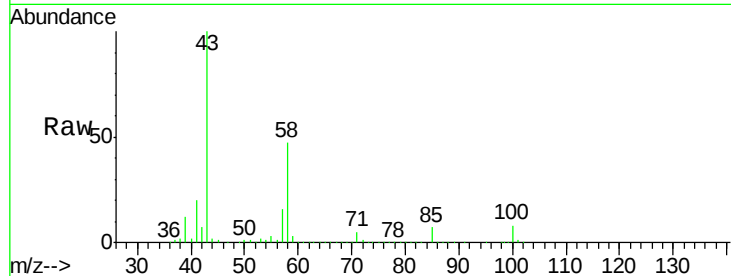
#59
2-Hexanone
Concen: 684.470 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1720727
Ion Ratio Lower Upper
43 100
58 46.6 23.5 70.5

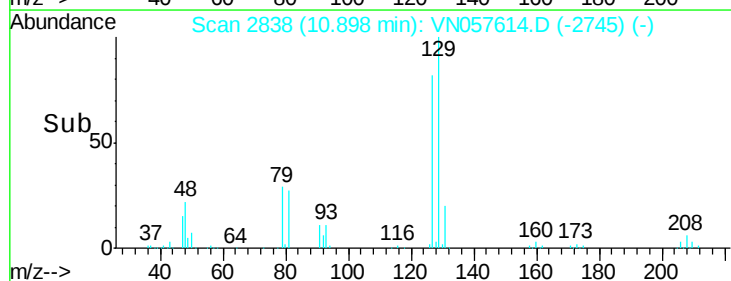
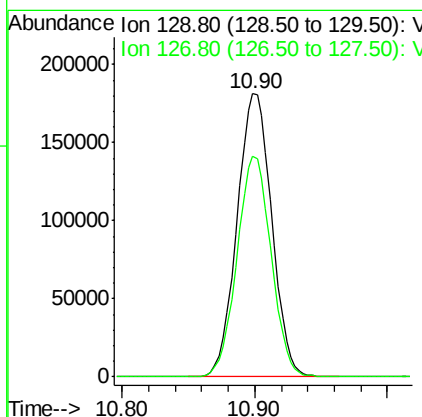
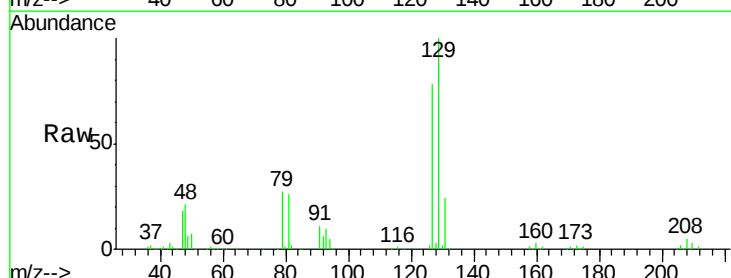
Manual Integrations
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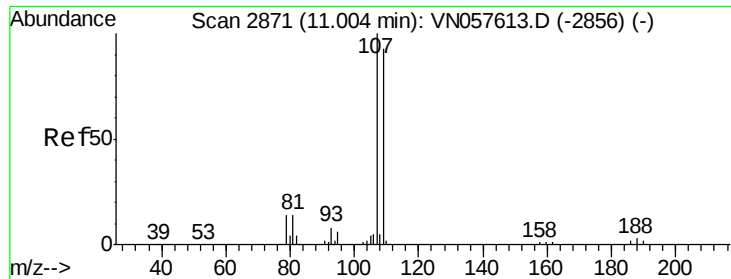
MMDadoda
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#60
Dibromochloromethane
Concen: 126.722 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 129 Resp: 329602
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 125.912 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 307308

Ion Ratio Lower Upper

107 100

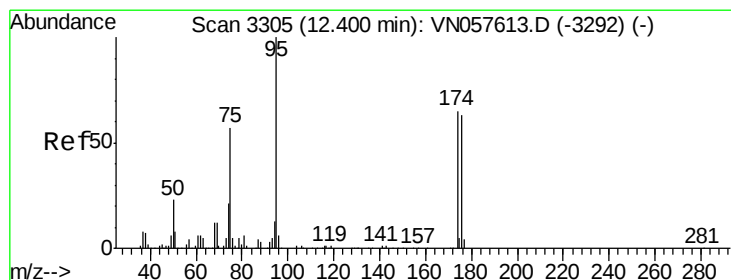
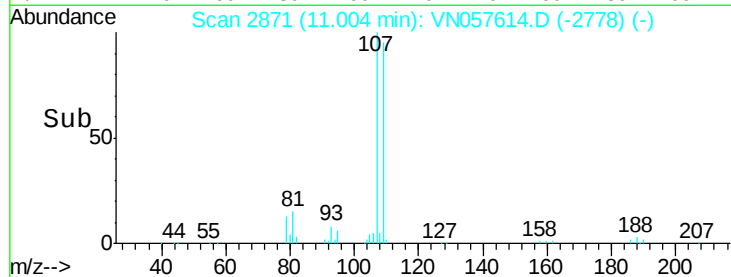
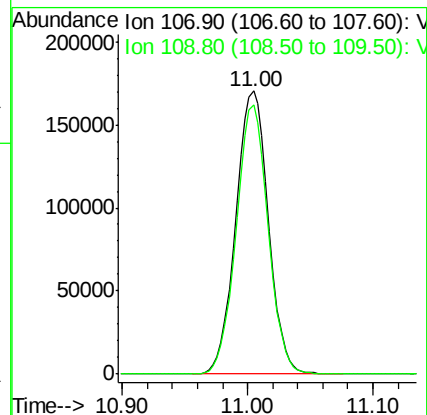
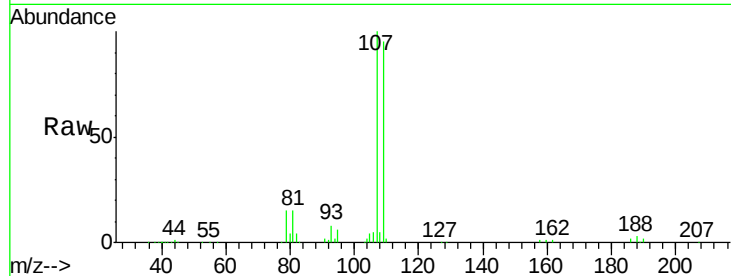
109 93.1 75.0 112.4

Manual Integrations

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9/3/2019 11:52:01 AM



#62

4-Bromofluorobenzene

Concen: 143.479 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

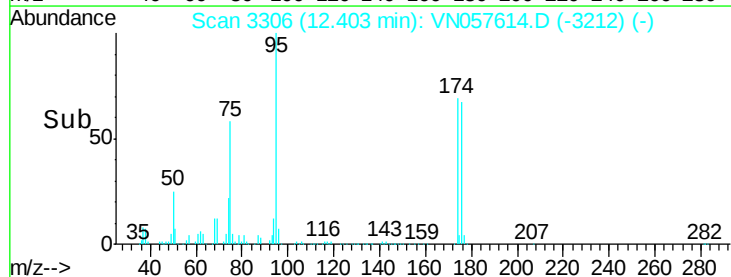
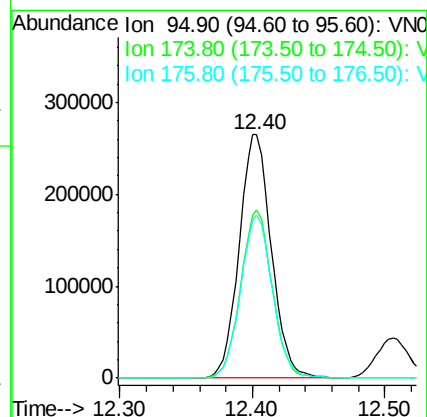
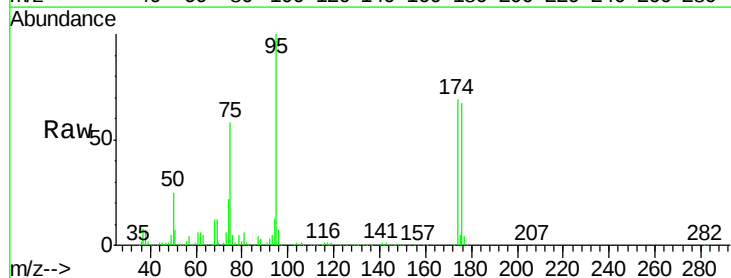
Tgt Ion: 95 Resp: 446214

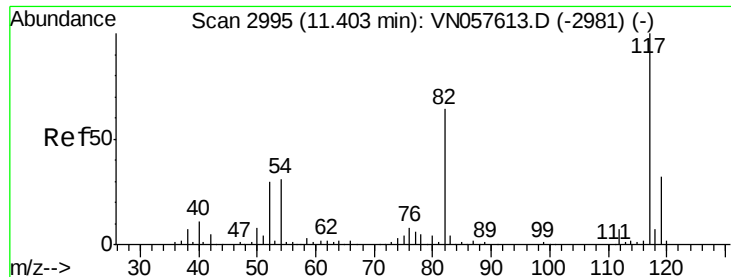
Ion Ratio Lower Upper

95 100

174 67.8 0.0 134.8

176 66.5 0.0 131.6





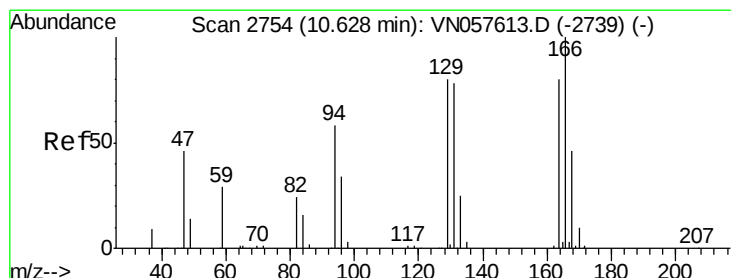
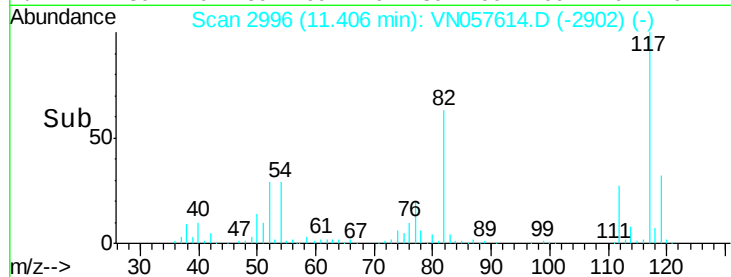
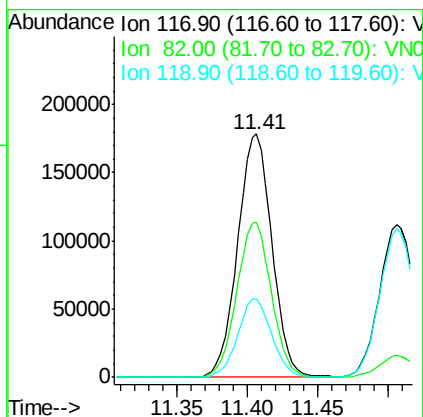
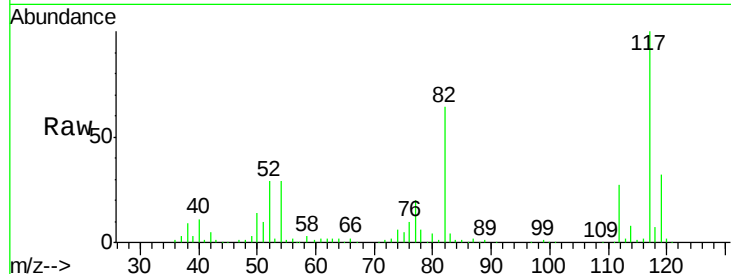
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	51.6	77.4
119	32.0	25.8	38.6

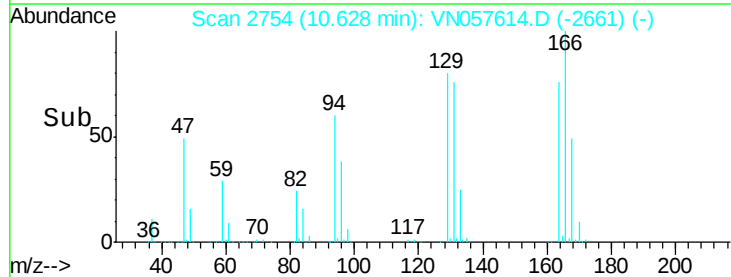
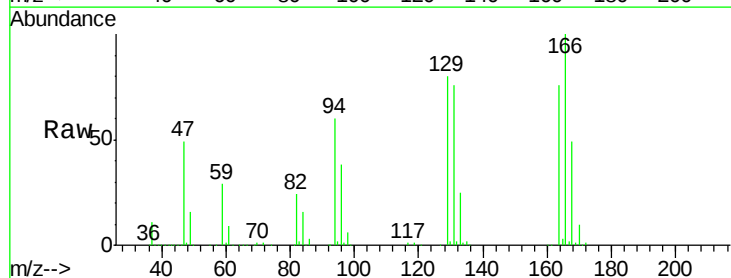
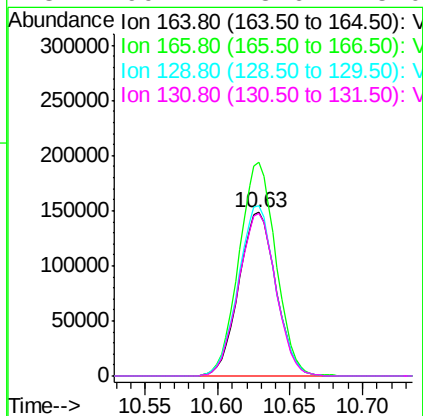
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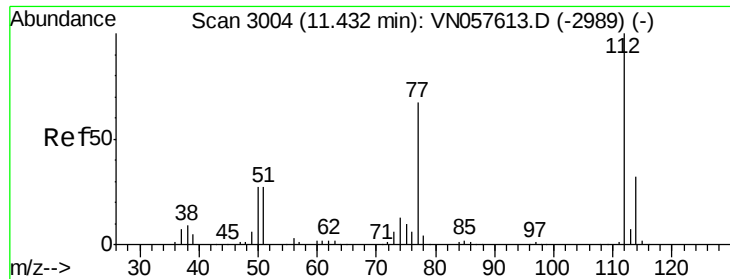
MMDadoda
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#64
Tetrachloroethene
Concen: 117.269 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.6	151.0
129	104.4	80.4	120.6
131	99.2	78.6	118.0





#65

Chlorobenzene

Concen: 123.039 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 802620

Ion Ratio Lower Upper

112 100

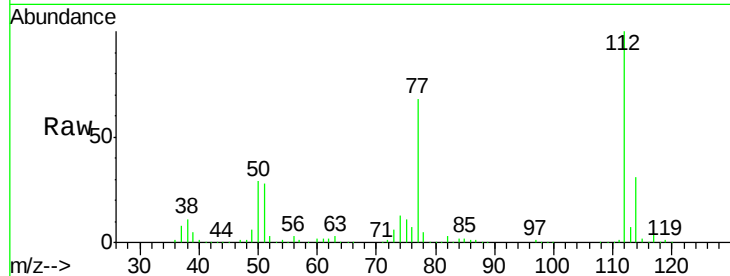
114 31.5 25.3 37.9

Manual Integrations

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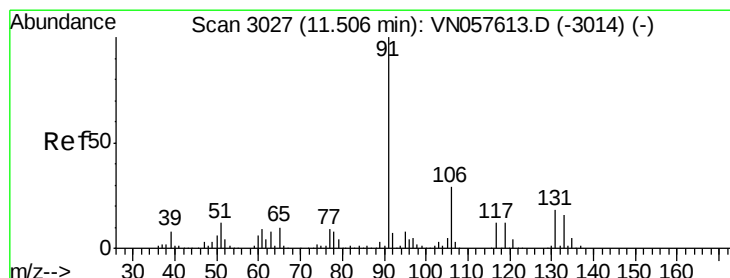
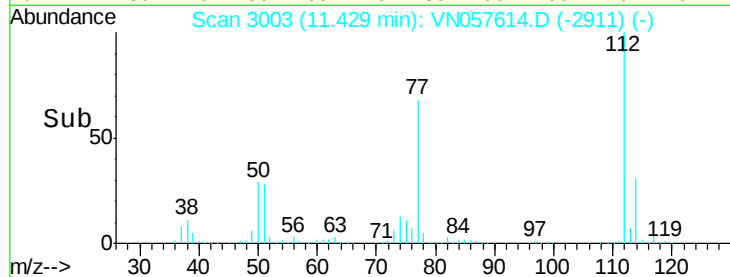
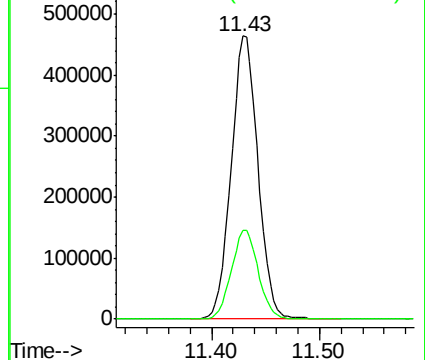
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 117.498 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

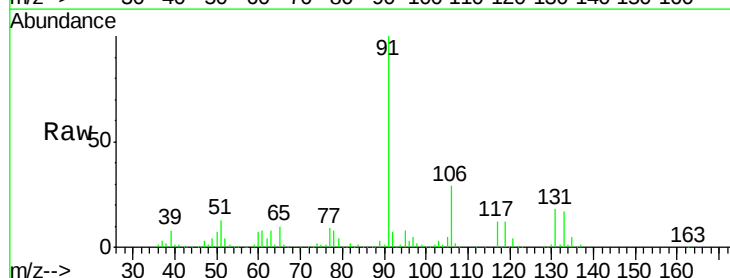
Tgt Ion:131 Resp: 288245

Ion Ratio Lower Upper

131 100

133 95.0 47.8 143.4

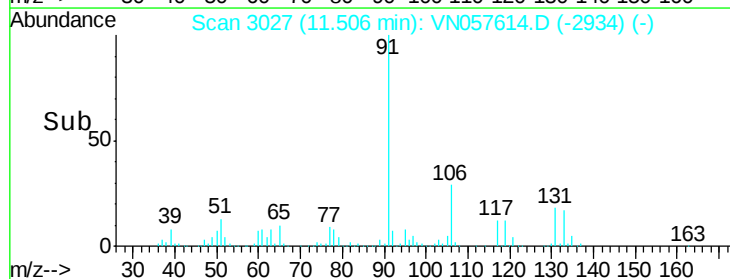
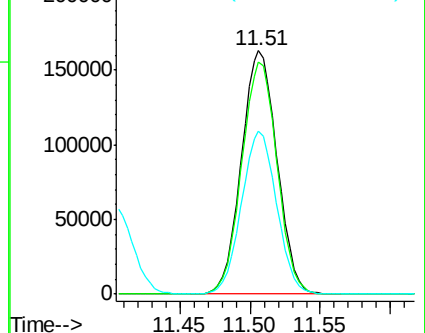
119 66.3 33.9 101.6

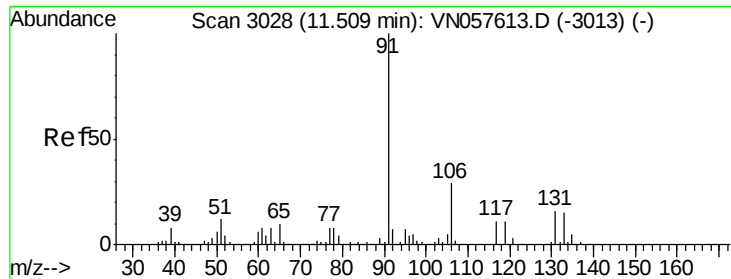


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





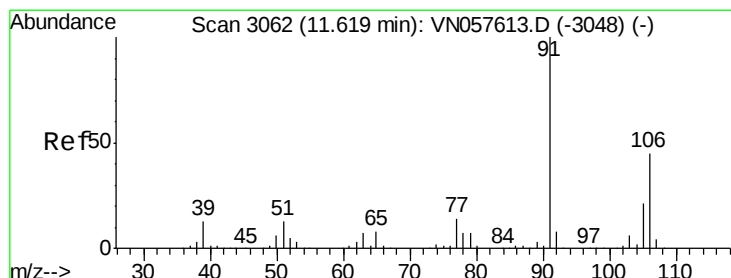
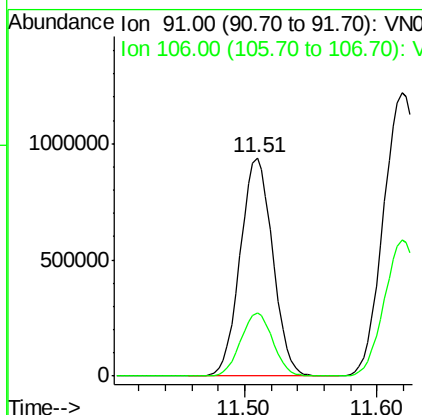
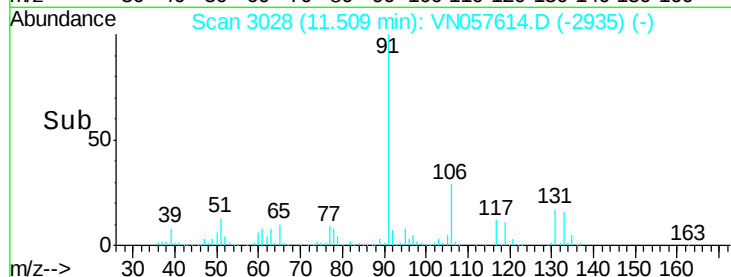
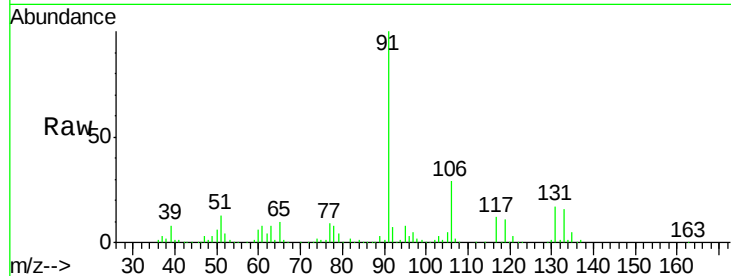
#67
Ethyl Benzene
Concen: 126.370 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1598128
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3

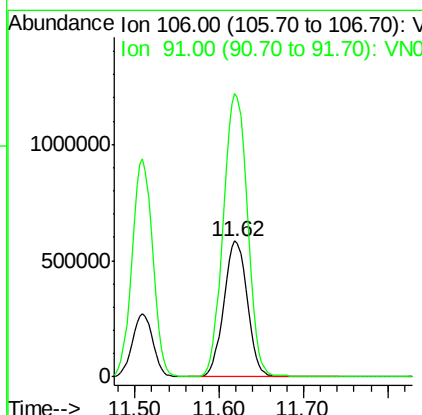
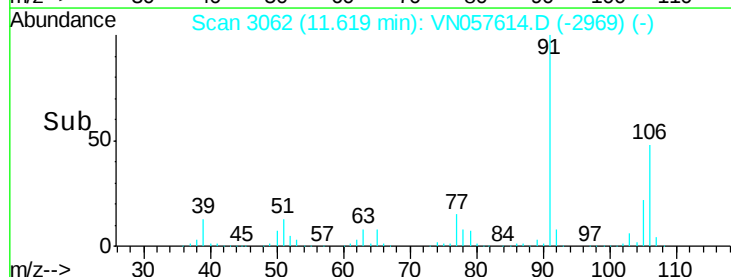
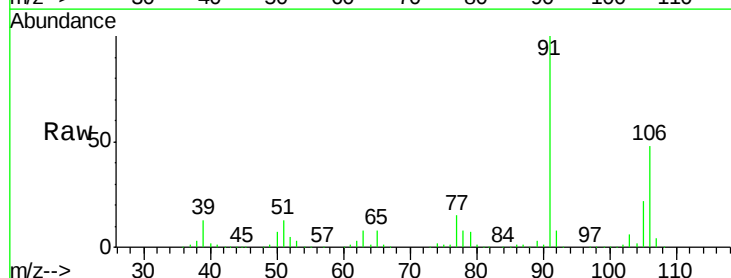
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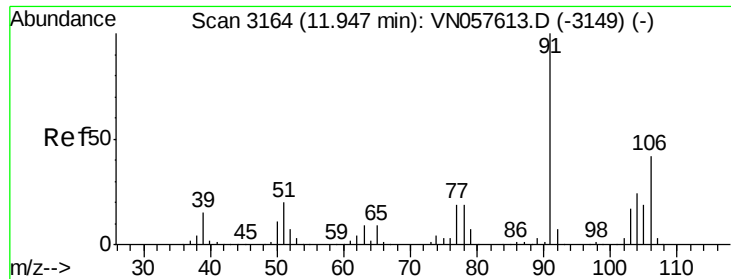
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9/3/2019 11:52:01 AM



#68
m/p-Xylenes
Concen: 262.708 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:106 Resp: 1129463
Ion Ratio Lower Upper
106 100
91 215.5 176.2 264.2





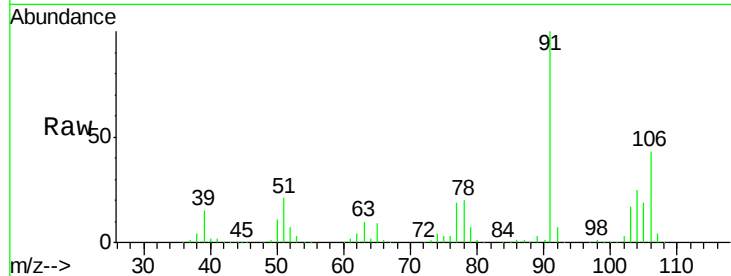
#69
o-Xylene
Concen: 128.122 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

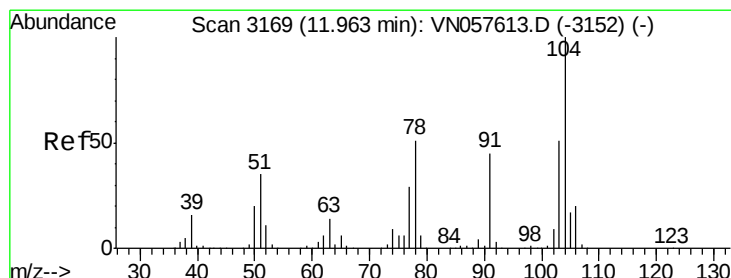
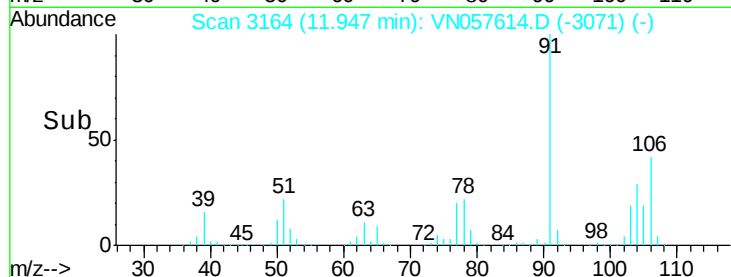
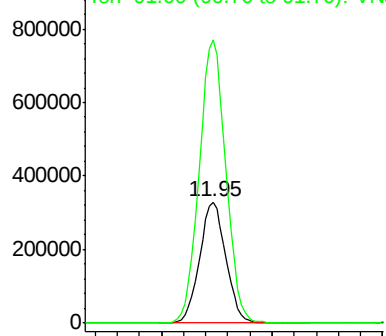
Tot Ion:106 Resp: 543541
Ion Ratio Lower Upper
106 100
91 236.9 117.3 351.8

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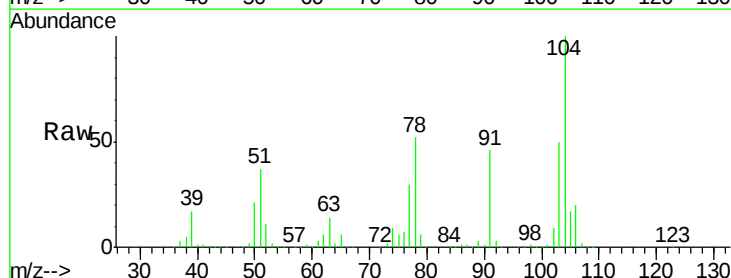


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

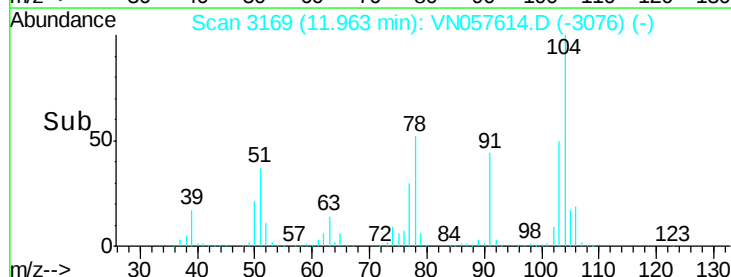
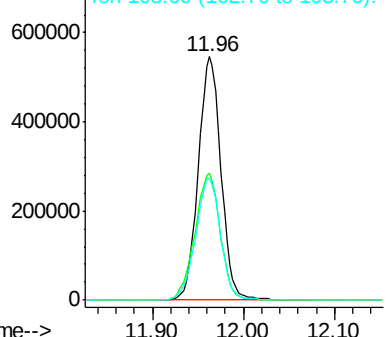


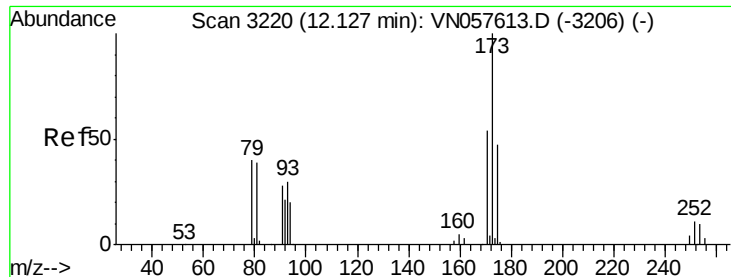
#70
Styrene
Concen: 139.573 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:104 Resp: 944912
Ion Ratio Lower Upper
104 100
78 58.4 46.6 70.0
103 54.9 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: 127.894 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

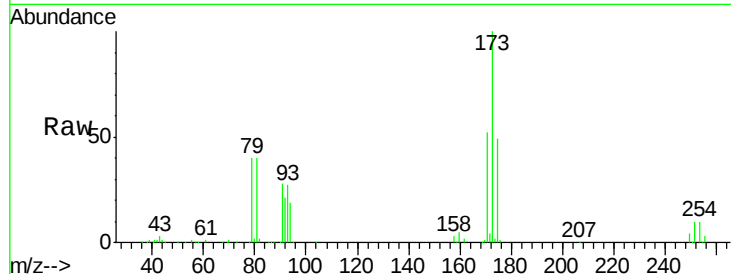
ClientSampleId :

VSTDICC100

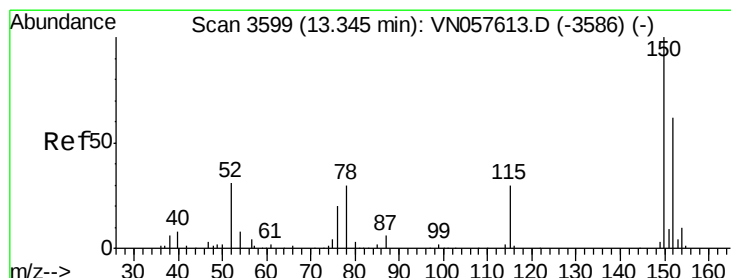
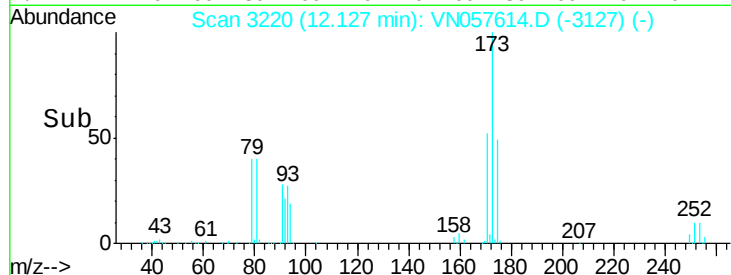
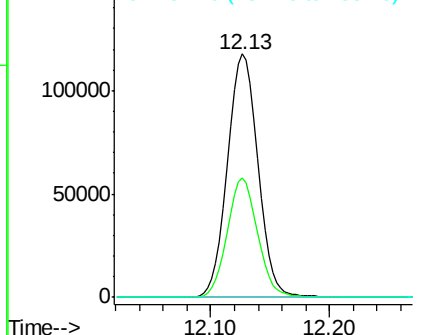
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.4
254	0.1	0.0	0.0

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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

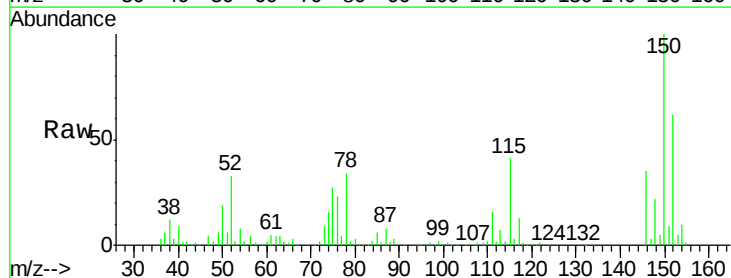
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

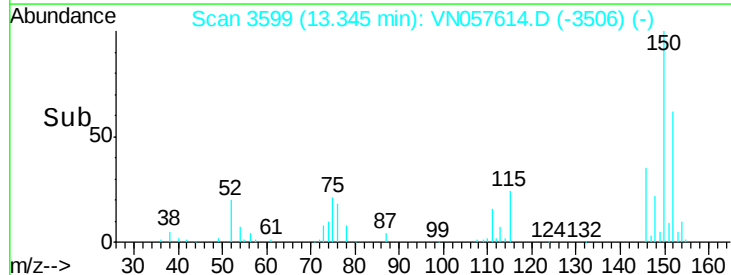
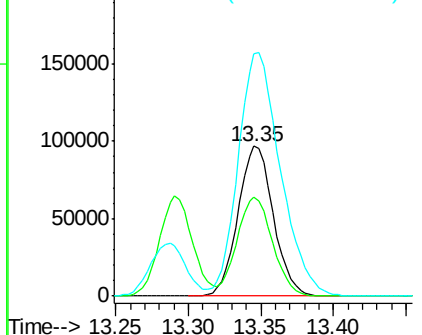
Lab File: VN057614.D

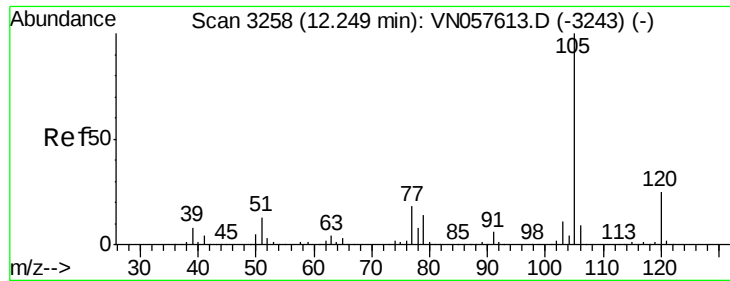
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	33.2	99.6
150	194.3	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: 81.057 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1521506

Ion Ratio Lower Upper

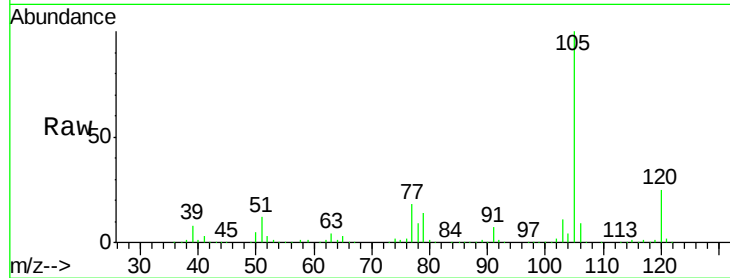
105 100

120 24.7 12.7 38.1

Manual Integrations
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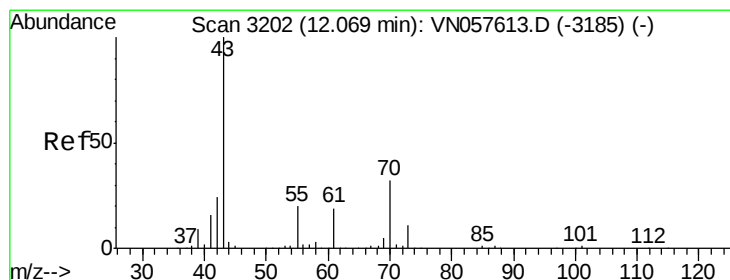
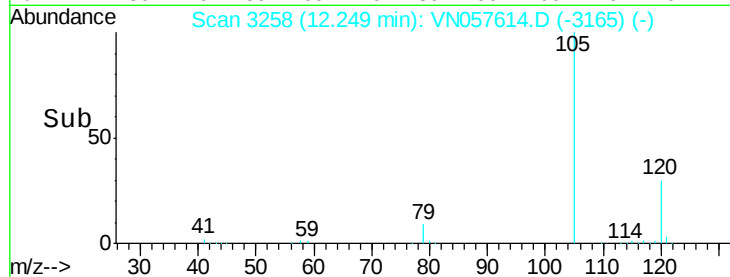
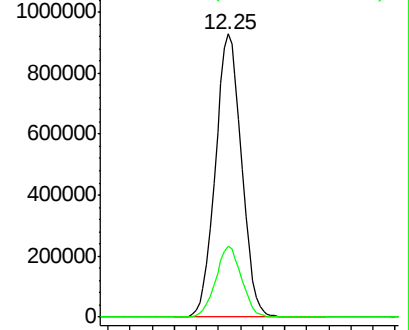
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 85.769 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion: 43 Resp: 739209

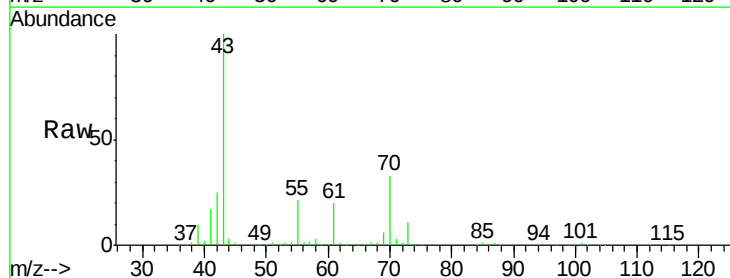
Ion Ratio Lower Upper

43 100

70 33.4 26.9 40.3

55 20.7 16.8 25.2

61 20.0 15.1 22.7

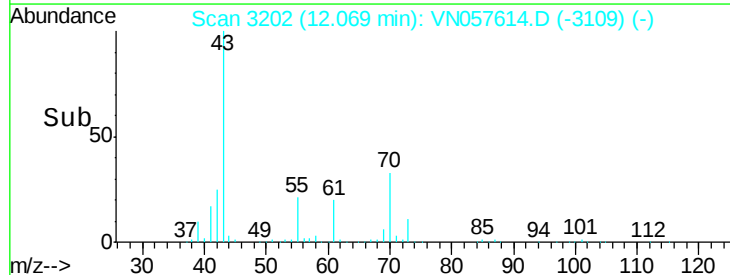
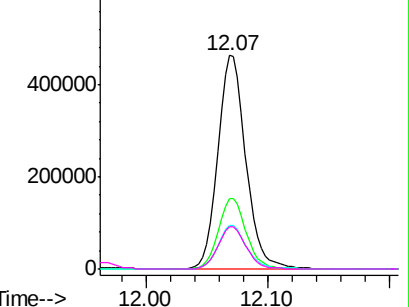


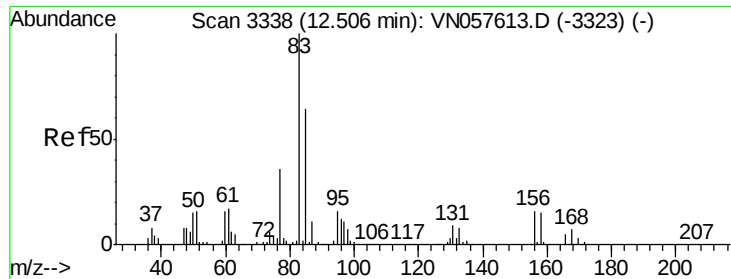
Abundance Ion 43.00 (42.70 to 43.70): V

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: 81.507 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

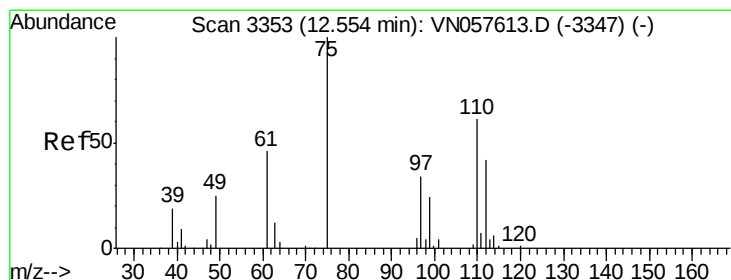
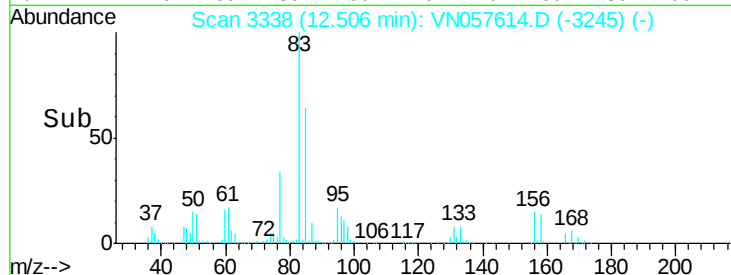
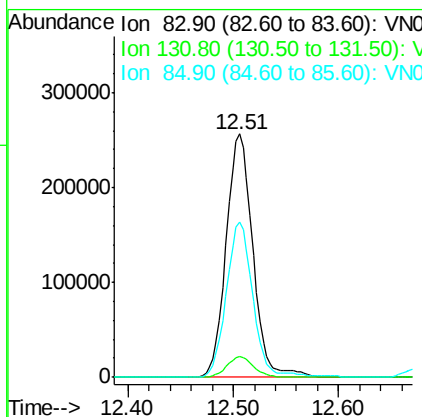
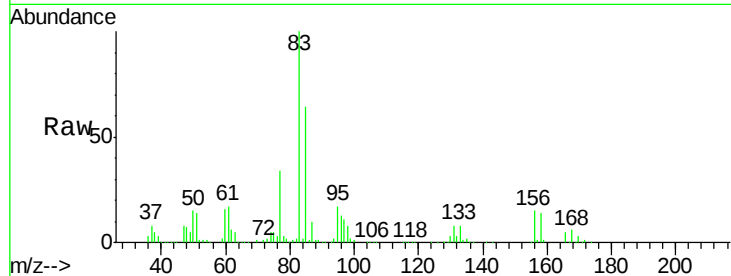
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	448931
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.7
85	62.1	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 92.542 ug/l m

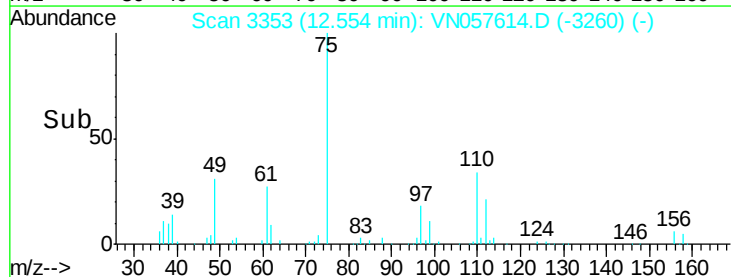
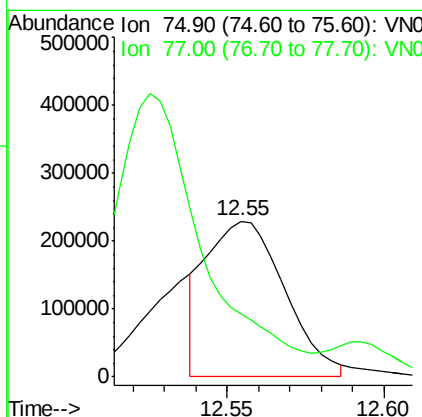
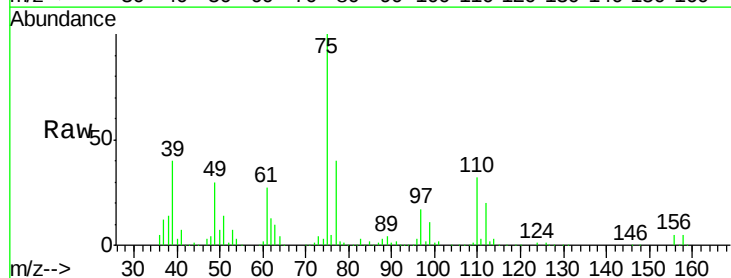
RT: 12.55 min Scan# 3353

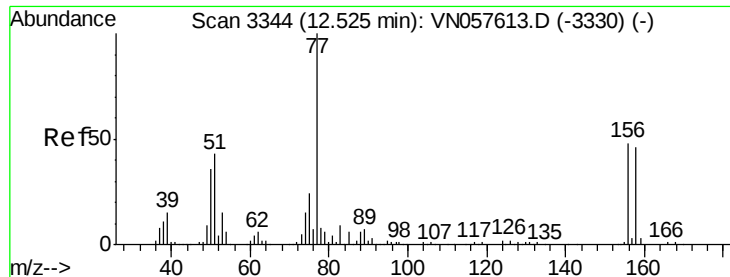
Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion:	75	Resp:	398292
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 88.760 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

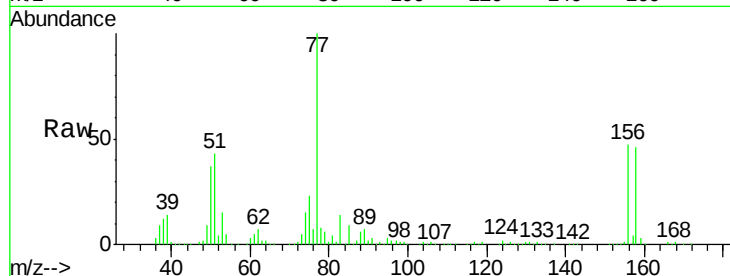
ClientSampled :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	251.5	123.5	370.5	
158	97.2	47.8	143.3	

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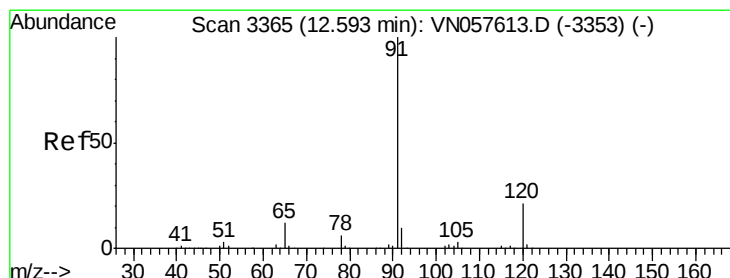
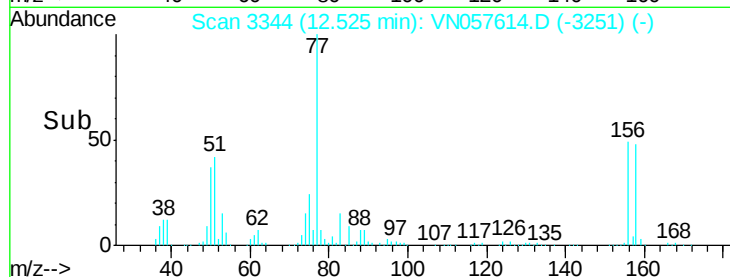
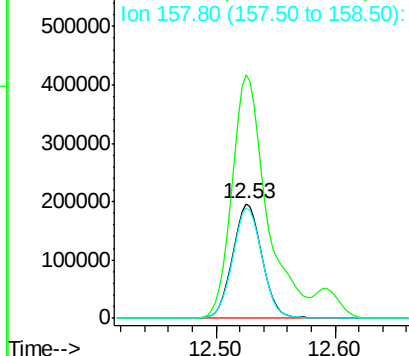
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 89.442 ug/l

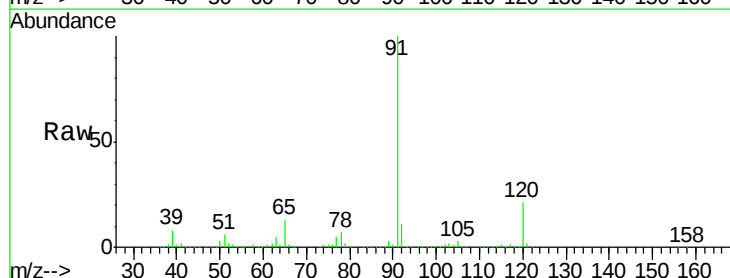
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057614.D

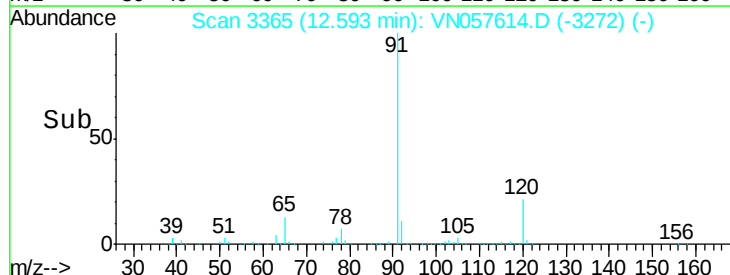
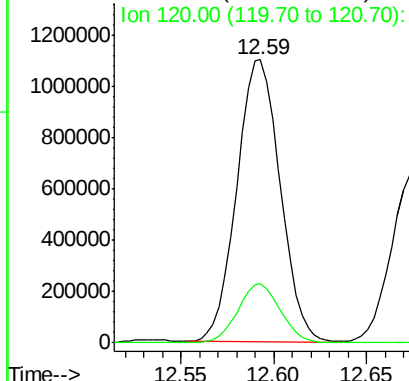
Acq: 31 Aug 2019 14:26

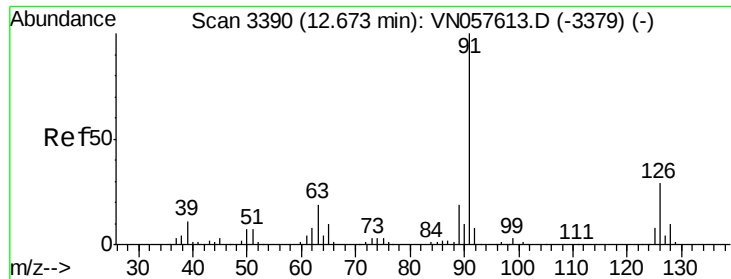
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.6	10.4	31.4	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





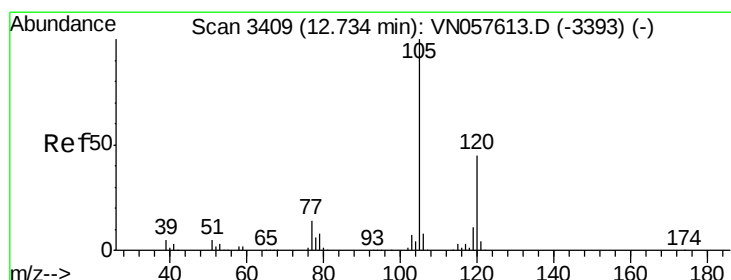
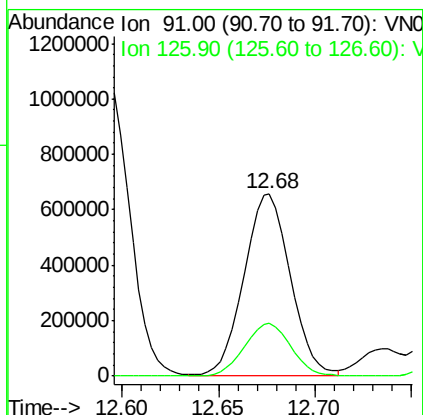
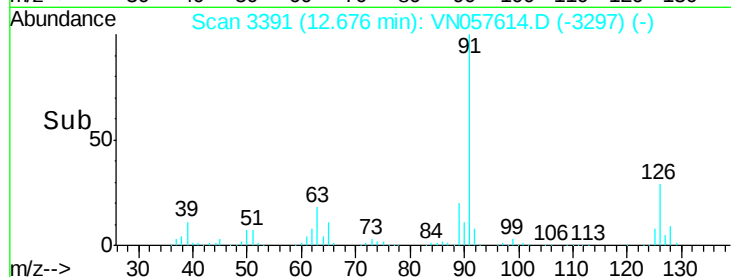
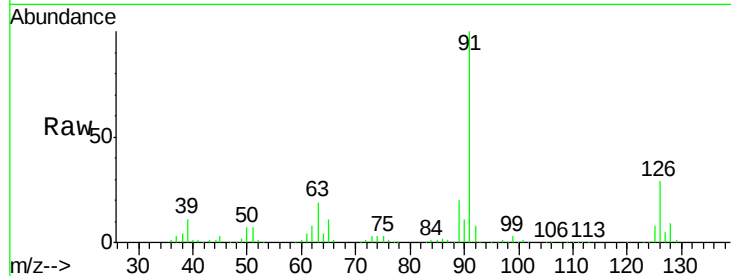
#79
 2-Chlorotoluene
 Concen: 90.936 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 91 Resp: 1088420
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.9 44.5

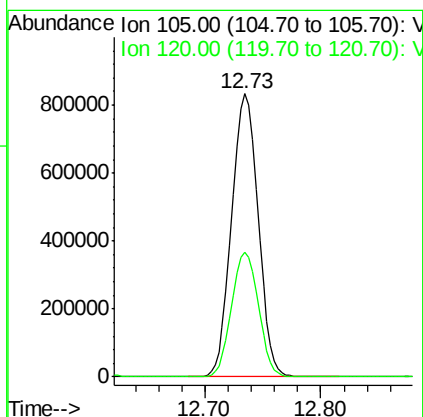
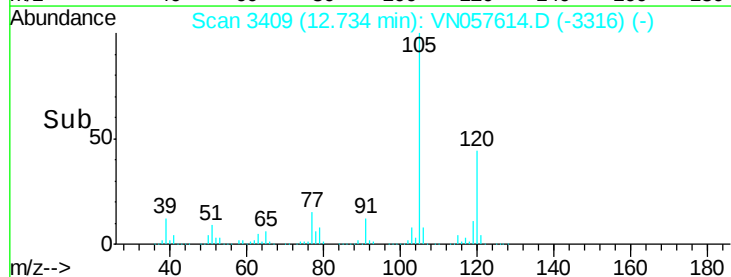
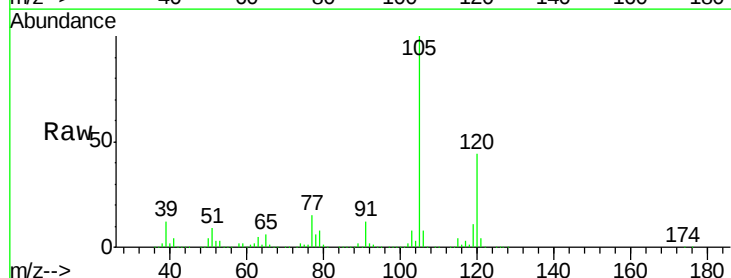
Manual Integrations
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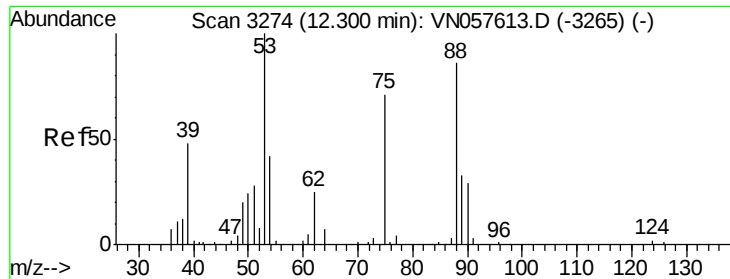
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 9/3/2019 11:52:01 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 88.819 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion: 105 Resp: 1317649
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.8





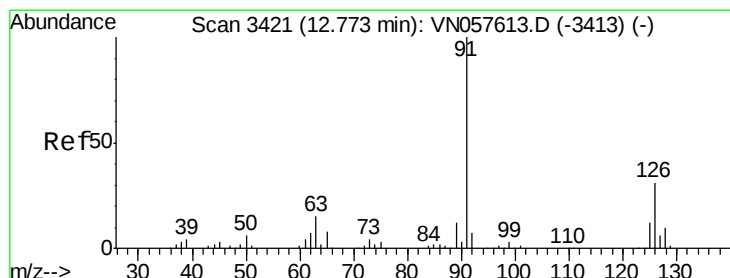
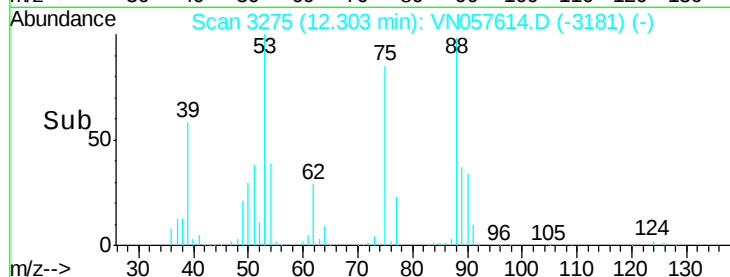
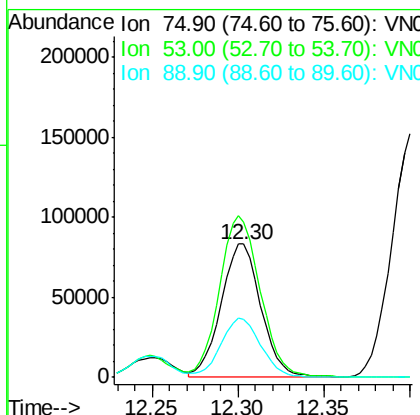
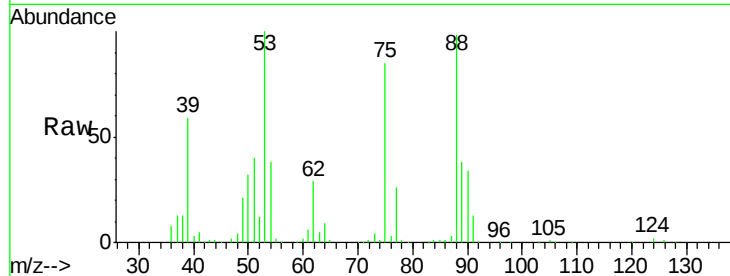
#81
trans-1,4-Dichloro-2-butene
Concen: 82.714 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.9	111.0	166.6
89	45.0	38.3	57.5

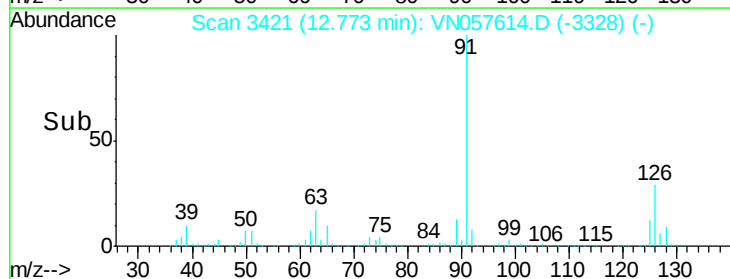
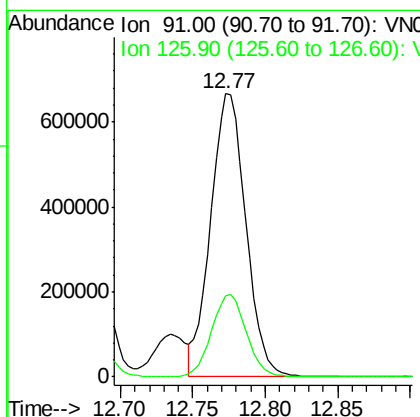
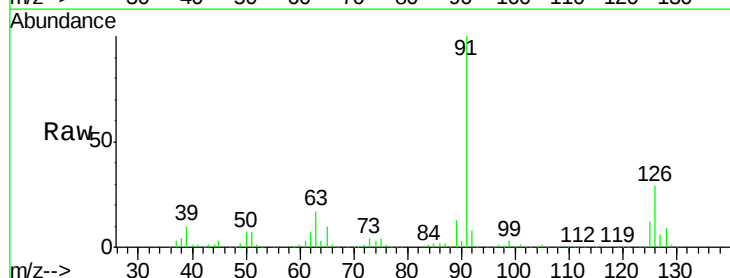
Manual Integrations
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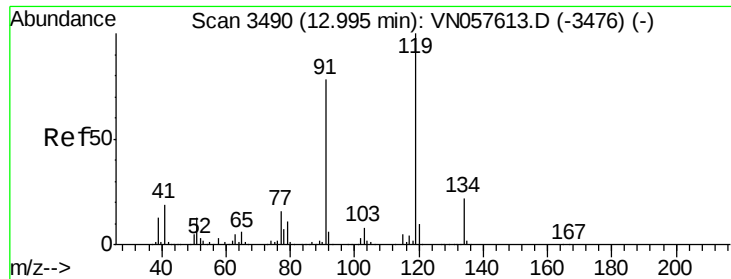
MMDadoda
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#82
4-Chlorotoluene
Concen: 98.167 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.4	43.2





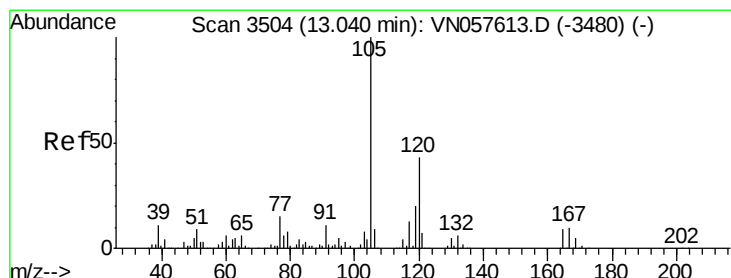
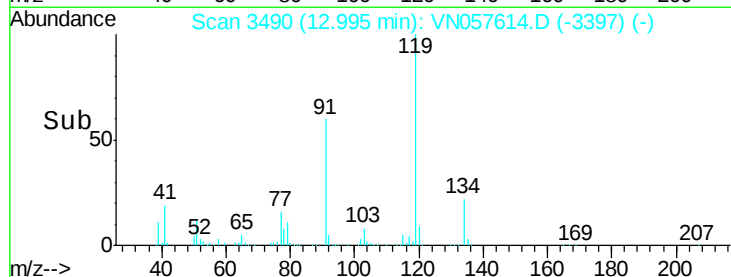
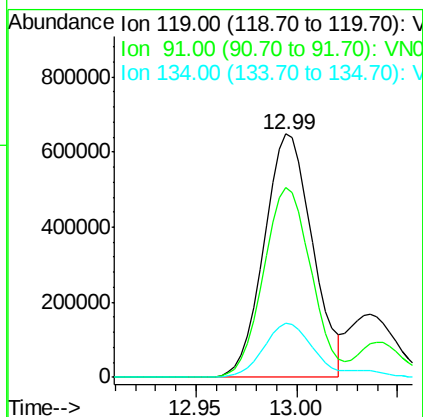
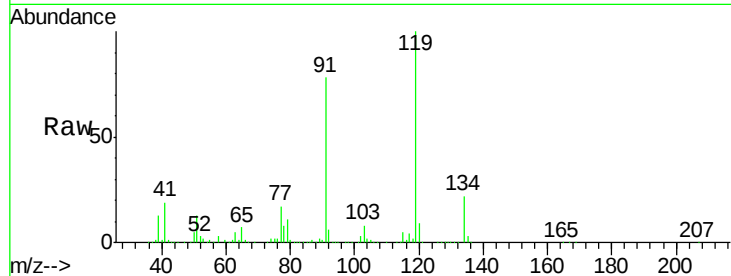
#83
tert-Butylbenzene
Concen: 81.817 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1077029
Ion Ratio Lower Upper
119 100
91 77.3 38.3 114.9
134 22.5 11.3 33.8

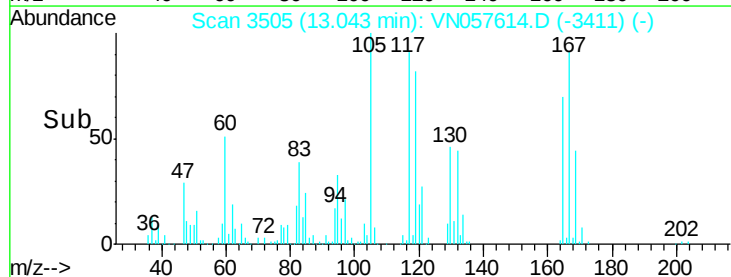
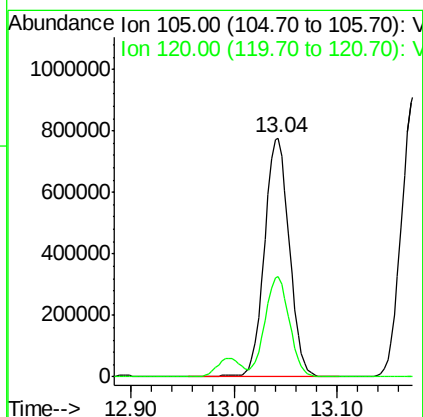
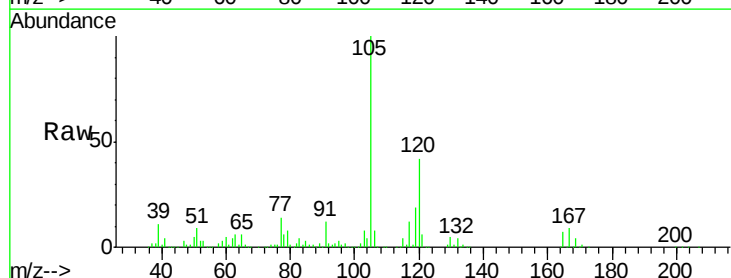
Manual Integrations
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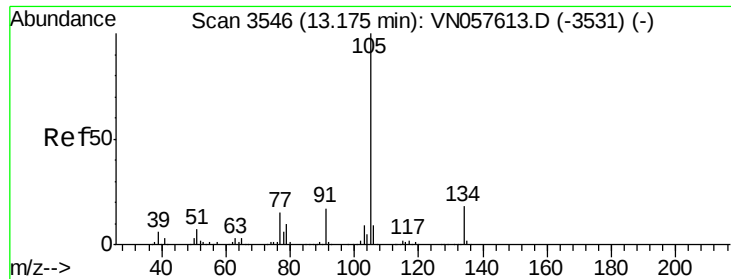
MMDadoda
9/3/2019 11:52:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 98.251 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:105 Resp: 1291822
Ion Ratio Lower Upper
105 100
120 41.5 20.8 62.5





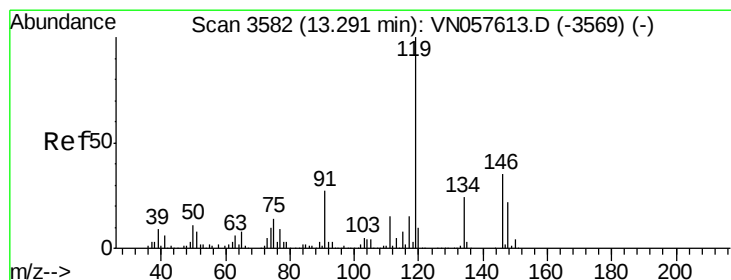
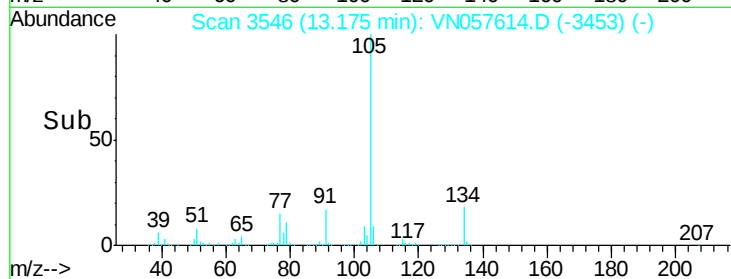
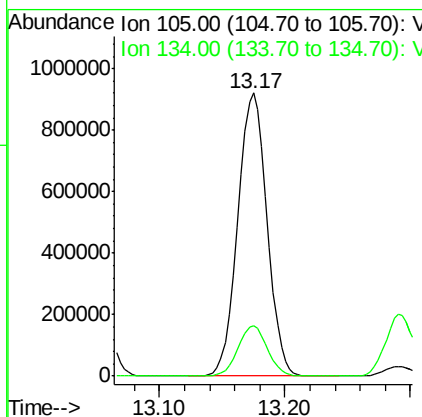
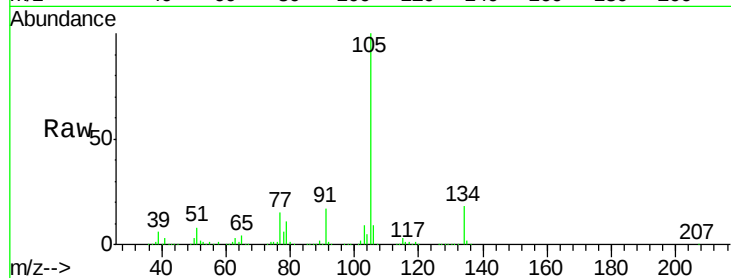
#85
 sec-Butylbenzene
 Concen: 92.188 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1491153
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.8

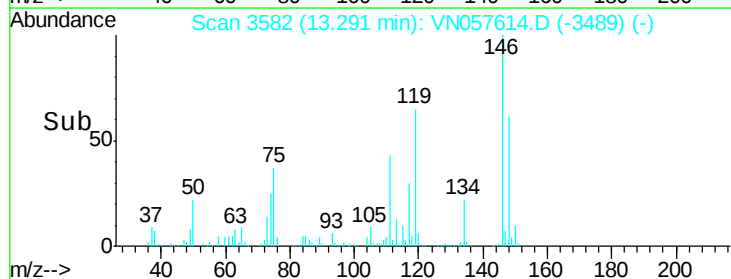
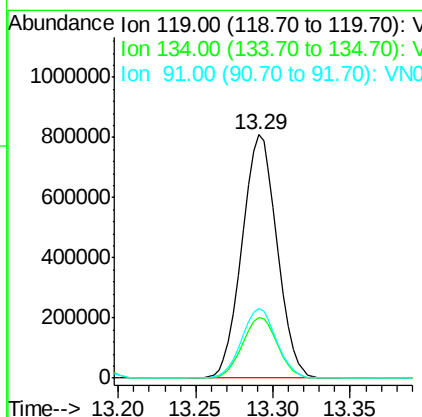
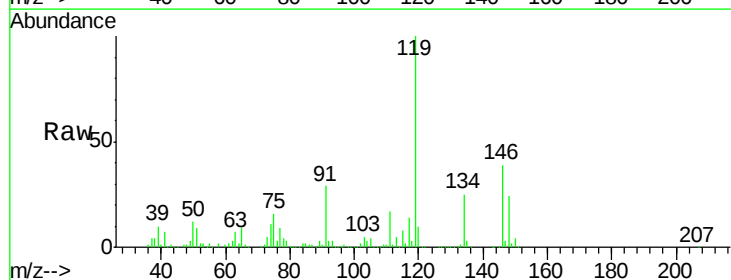
Manual Integrations
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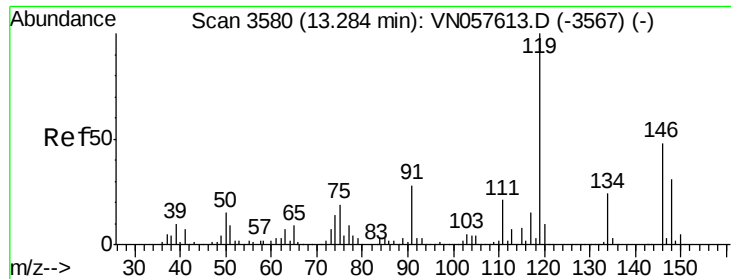
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 9/3/2019 11:52:01 AM



#86
 p-Isopropyltoluene
 Concen: 96.599 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion:119 Resp: 1273121
 Ion Ratio Lower Upper
 119 100
 134 24.9 11.9 35.5
 91 28.4 13.7 41.0





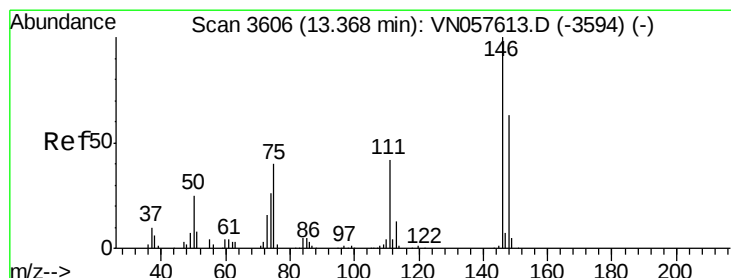
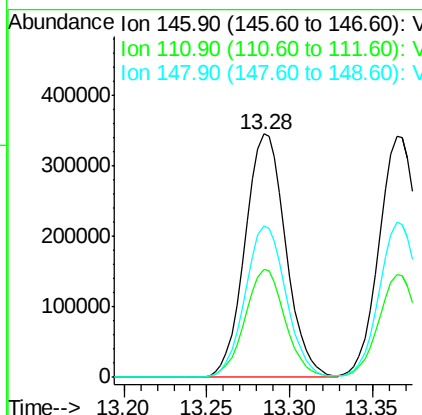
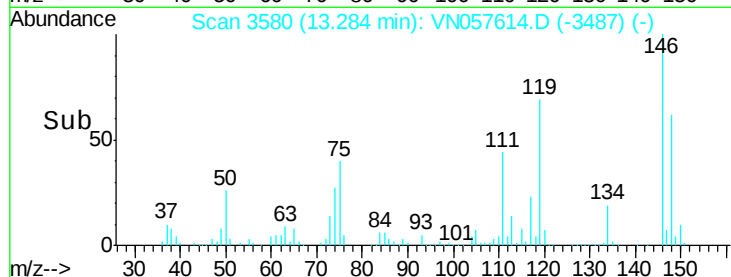
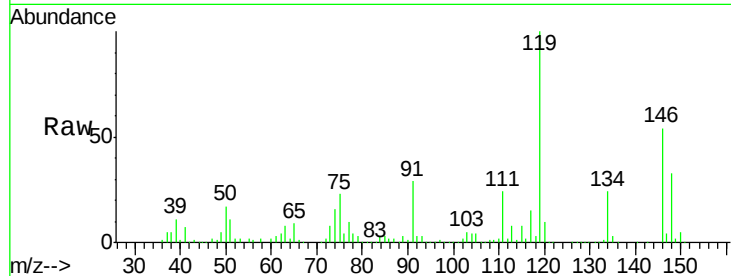
#87
 1,3-Dichlorobenzene
 Concen: 107.819 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	62.4	31.4	94.2

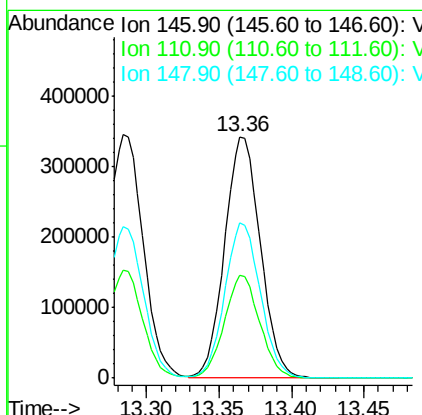
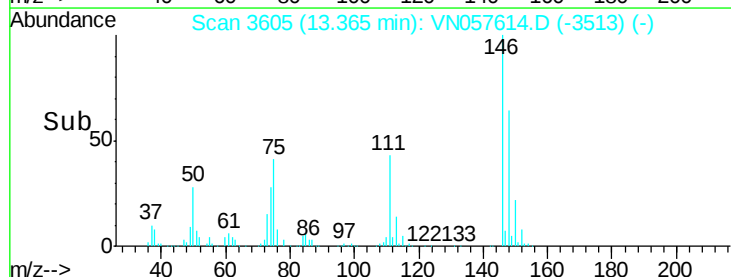
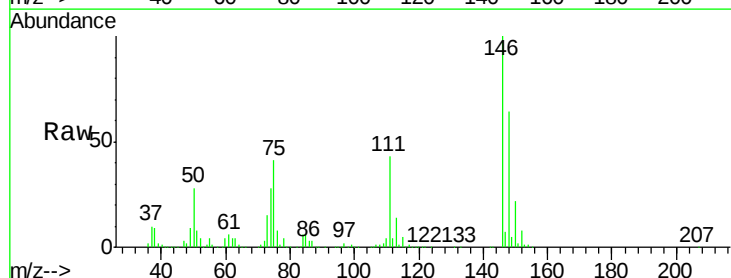
Manual Integrations
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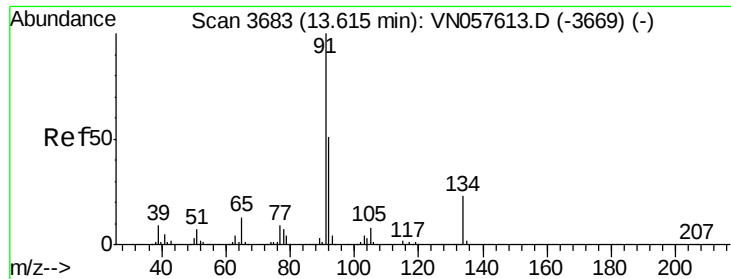
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#88
 1,4-Dichlorobenzene
 Concen: 109.308 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	64.1	32.2	96.6





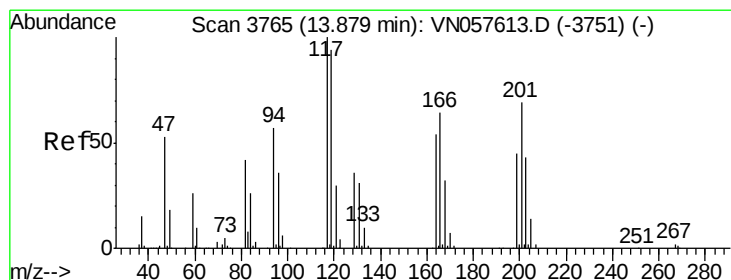
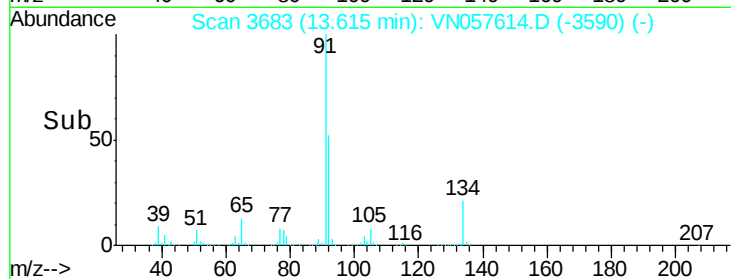
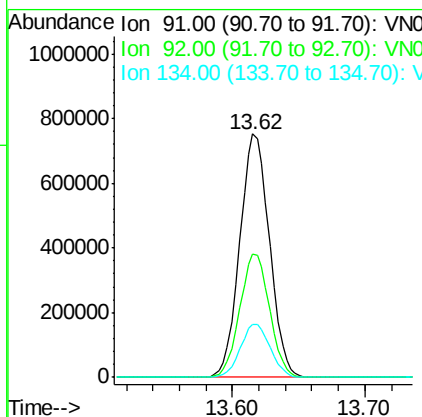
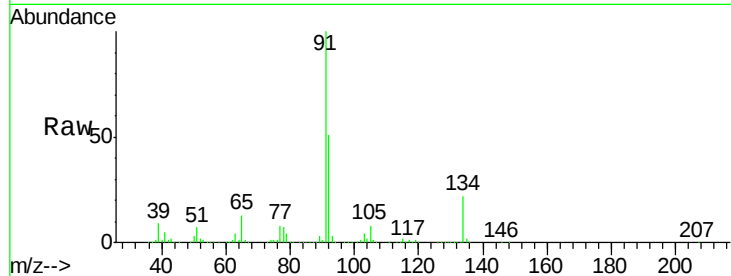
#89
n-Butylbenzene
Concen: 104.515 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.4	76.0
134	21.9	11.0	33.0

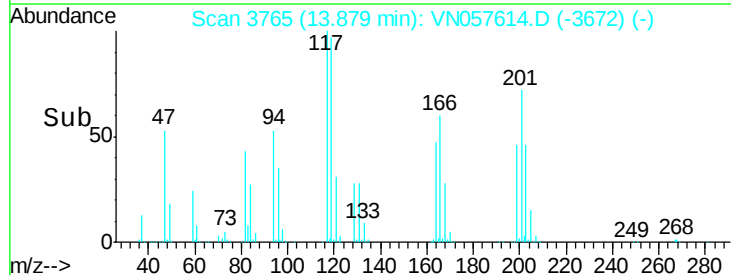
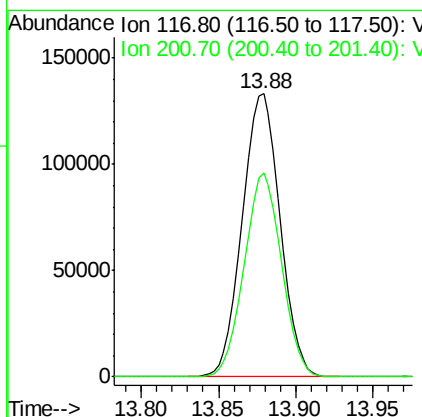
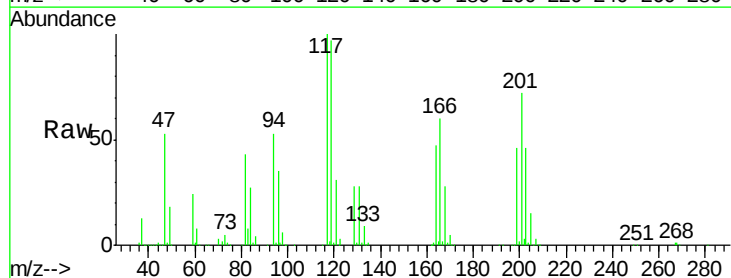
Manual Integrations
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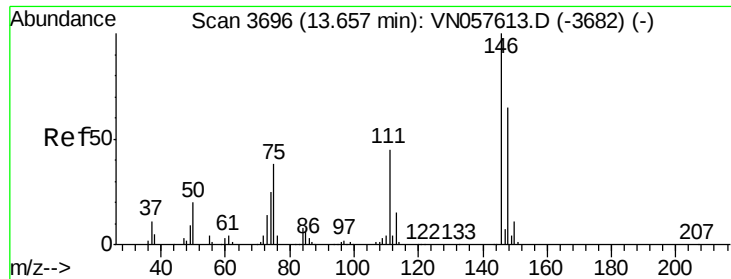
MMDadoda
9/3/2019 11:52:01 AM



#90
Hexachloroethane
Concen: 76.891 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	34.4	103.2





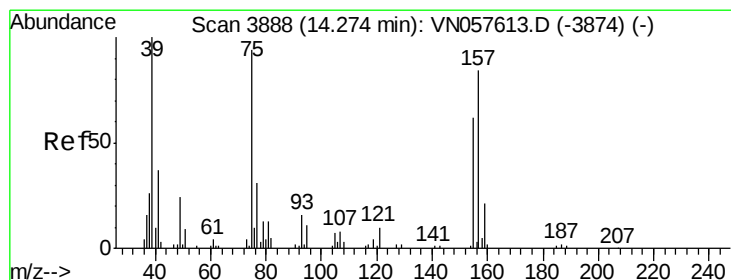
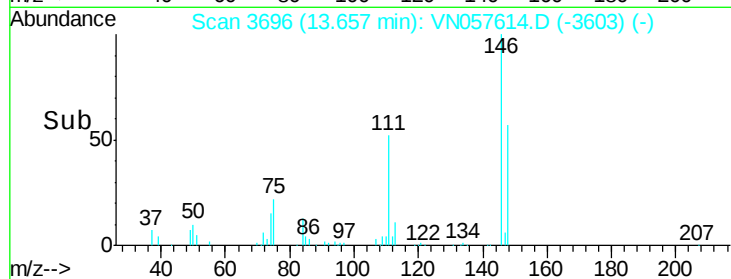
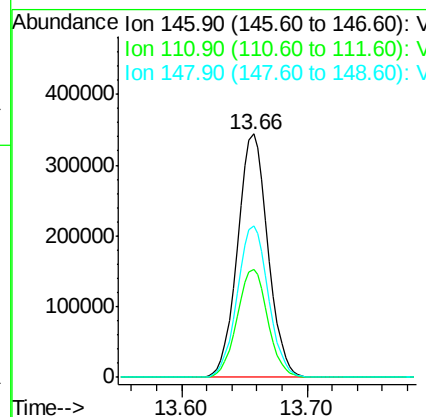
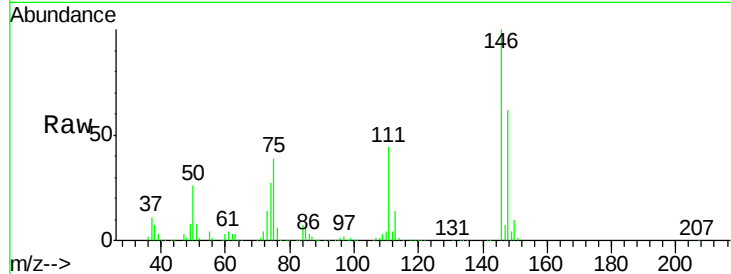
#91
 1,2-Dichlorobenzene
 Concen: 109.821 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.5
148	64.0	31.6	94.7

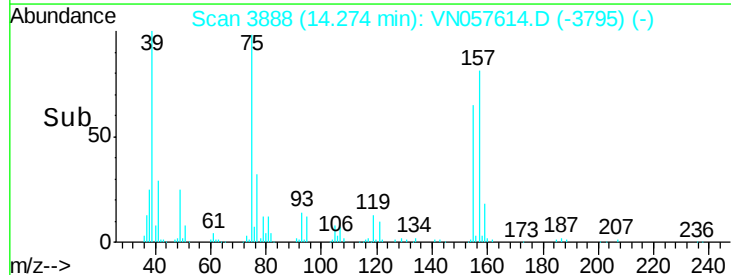
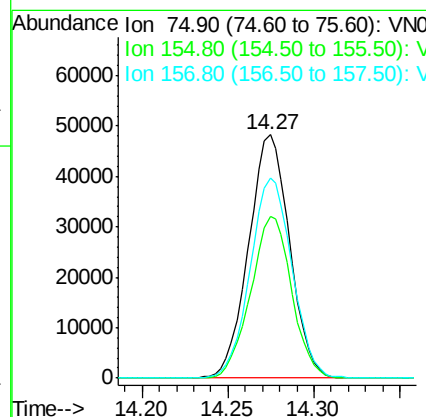
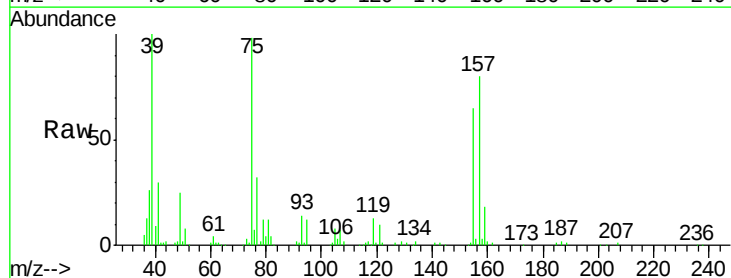
Manual Integrations
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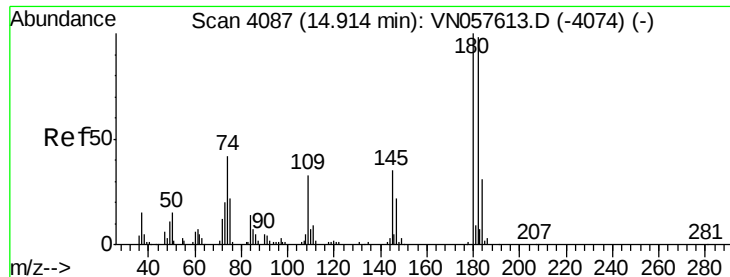
MMDadoda
 9/3/2019 11:52:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.787 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	30.1	90.5
157	83.8	41.4	124.4





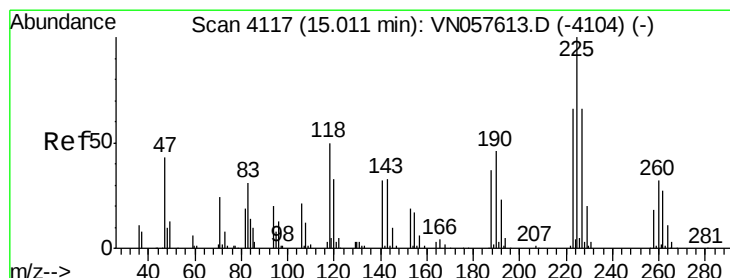
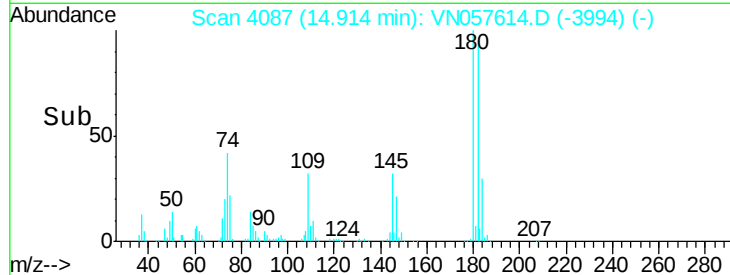
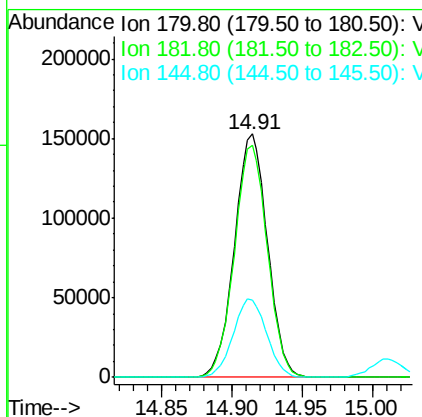
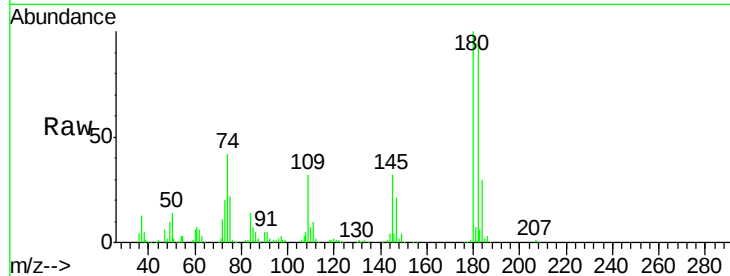
#93
 1,2,4-Trichlorobenzene
 Concen: 130.584 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	250496
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.3
145	32.6	16.9	50.7

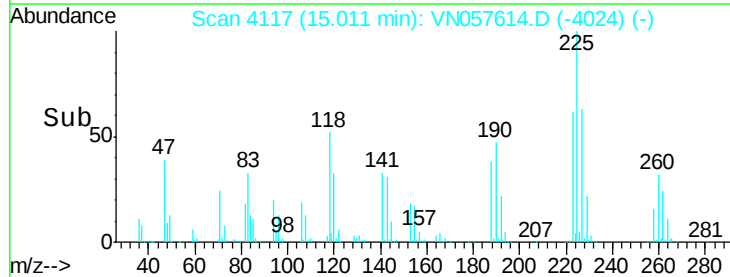
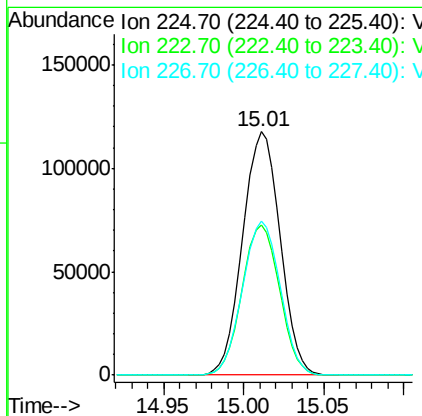
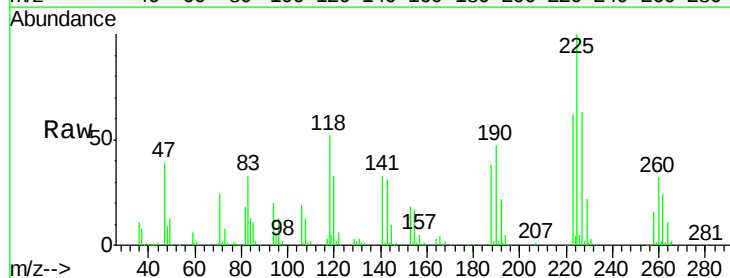
Manual Integrations
 APPROVED

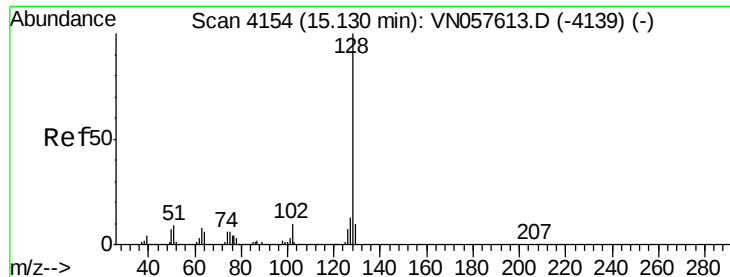
MMDadoda
 9/3/2019 11:52:01 AM



#94
 Hexachlorobutadiene
 Concen: 113.197 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion:	225	Resp:	188488
Ion Ratio	Lower	Upper	
225	100		
223	61.8	32.3	96.8
227	63.5	32.4	97.2





#95

Naphthalene

Concen: 116.360 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

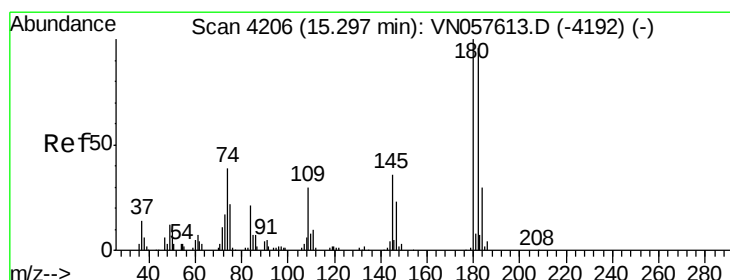
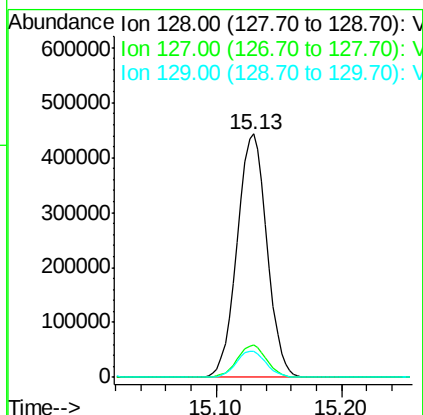
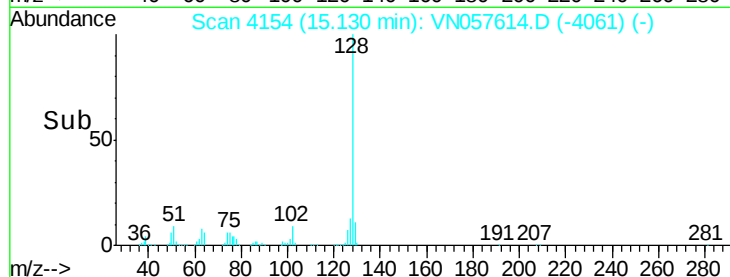
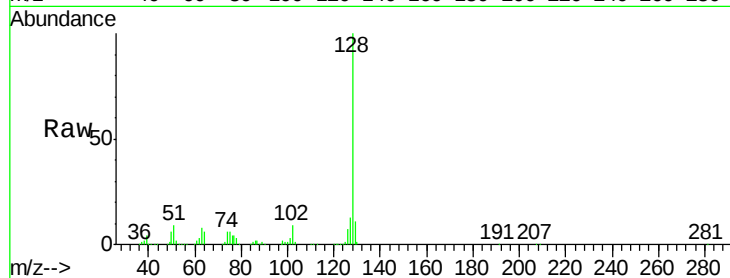
ClientSampleId :

VSTDICC100

Tot Ion:	128	Resp:	731571
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:52:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 122.945 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion:	180	Resp:	247559
Ion Ratio	Lower	Upper	
180	100		
182	97.0	46.3	138.9
145	35.3	17.8	53.3

