

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057615.D
 Acq On : 31 Aug 2019 14:52
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:06 AM

Quant Time: Aug 31 15:27:41 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	196375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	303834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	661940	180.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	361.10%	
35) Dibromofluoromethane	7.58	113	429058	179.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	358.06%	
50) Toluene-d8	10.08	98	1645239	181.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	363.06%	
62) 4-Bromofluorobenzene	12.40	95	663446	211.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	423.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	512446	207.493	ug/l	98
3) Chloromethane	2.05	50	545765	159.736	ug/l	96
4) Vinyl Chloride	2.18	62	435579	112.822	ug/l	99
5) Bromomethane	2.51	94	278314	117.607	ug/l	100
6) Chloroethane	2.65	64	237301	96.392	ug/l	100
7) Trichlorofluoromethane	2.99	101	611691	102.436	ug/l	99
8) Diethyl Ether	3.39	74	194429	87.259	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	298258	90.841	ug/l	99
10) Methyl Iodide	3.92	142	398312	152.788	ug/l	99
11) Tert butyl alcohol	4.83	59	381392	861.647	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	278953	88.919	ug/l	95
13) Acrolein	3.59	56	130124	384.239	ug/l	97
14) Allyl chloride	4.29	41	888099	175.132	ug/l	98
15) Acrylonitrile	4.98	53	1066345	879.357	ug/l	100
16) Acetone	3.81	43	854492	523.751	ug/l	96
17) Carbon Disulfide	4.02	76	1012101	157.628	ug/l	99
18) Methyl Acetate	4.31	43	602418	142.528	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1473076	174.391	ug/l	99
20) Methylene Chloride	4.52	84	469112	171.708	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	418548	169.483	ug/l	99
22) Diisopropyl ether	5.94	45	1781713	177.922	ug/l	98
23) Vinyl Acetate	5.88	43	6646151	843.236	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	924690	175.838	ug/l	99
25) 2-Butanone	6.83	43	1581735	870.345	ug/l	98
26) 2,2-Dichloropropane	6.80	77	763472	169.434	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	493842	169.278	ug/l	98
28) Bromochloromethane	7.18	49	448401	161.804	ug/l	98
29) Tetrahydrofuran	7.20	42	991599	839.764	ug/l	99
30) Chloroform	7.36	83	921808	168.763	ug/l	98
31) Cyclohexane	7.63	56	854573	167.584	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	797576	178.033	ug/l	99
36) 1,1-Dichloropropene	7.78	75	667066	184.152	ug/l	99
37) Ethyl Acetate	6.92	43	657233	184.754	ug/l	99
38) Carbon Tetrachloride	7.76	117	654174	185.847	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	797983	186.007	ug/l	98
40) Benzene	8.03	78	1935023	179.246	ug/l	98
41) Methacrylonitrile	7.16	41	365025	211.417	ug/l	94
42) 1,2-Dichloroethane	8.11	62	812194	192.580	ug/l	100
43) Isopropyl Acetate	8.16	43	1209975	185.763	ug/l	99
44) Trichloroethene	8.82	130	449164	187.095	ug/l	96
45) 1,2-Dichloropropane	9.11	63	528816	174.006	ug/l	99
46) Dibromomethane	9.20	93	336196	174.231	ug/l	99
47) Bromodichloromethane	9.40	83	739543	184.909	ug/l	100
48) Methyl methacrylate	9.19	41	602687	192.466	ug/l	99
49) 1,4-Dioxane	9.20	88	144139	3650.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3147083	857.999	ug/l	95
52) Toluene	10.15	92	1170661	187.190	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	787143	188.849	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	844118	181.507	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	447104	178.091	ug/l	97
56) Ethyl methacrylate	10.43	69	768542	193.873	ug/l	99
57) 1,3-Dichloropropane	10.71	76	809981	184.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1180088	1226.360	ug/l	99
59) 2-Hexanone	10.75	43	2436351	963.046	ug/l	100
60) Dibromochloromethane	10.90	129	495558	189.331	ug/l	100
61) 1,2-Dibromoethane	11.00	107	461858	188.047	ug/l	99
64) Tetrachloroethene	10.63	164	396139	175.850	ug/l	98
65) Chlorobenzene	11.43	112	1182612	182.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	432075	176.919	ug/l	97
67) Ethyl Benzene	11.51	91	2254014	179.034	ug/l	96
68) m/p-Xylenes	11.62	106	1643527	383.996	ug/l	89
69) o-Xylene	11.95	106	799073	189.203	ug/l	99
70) Styrene	11.96	104	1412084	209.517	ug/l	99
71) Bromoform	12.13	173	328846	201.446	ug/l #	99
73) Isopropylbenzene	12.25	105	2200948	113.924	ug/l	100
74) N-amyl acetate	12.07	43	1126613	127.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	648267	114.356	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	598927m	135.207	ug/l	
77) Bromobenzene	12.53	156	501083	129.599	ug/l	99
78) n-propylbenzene	12.59	91	2543101	123.754	ug/l	98
79) 2-Chlorotoluene	12.67	91	1610304	130.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1925124	126.082	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	209159	127.046	ug/l	90
82) 4-Chlorotoluene	12.77	91	1668322	141.960	ug/l	99
83) tert-Butylbenzene	12.99	119	1611157	118.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1882751	139.128	ug/l	98
85) sec-Butylbenzene	13.17	105	2188921	131.482	ug/l	99
86) p-Isopropyltoluene	13.29	119	1917059	141.328	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	899015	159.232	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	893677	162.754	ug/l	98
89) n-Butylbenzene	13.62	91	1794552	155.685	ug/l	99
90) Hexachloroethane	13.88	117	358987	118.012	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	876888	162.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129229	142.767	ug/l	97

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ClientSampleId :
VSTDICC150

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	427511	216.532	ug/l	99
94) Hexachlorobutadiene	15.01	225	278866	162.718	ug/l	99
95) Naphthalene	15.13	128	1226245	189.502	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	423463	204.332	ug/l	97

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

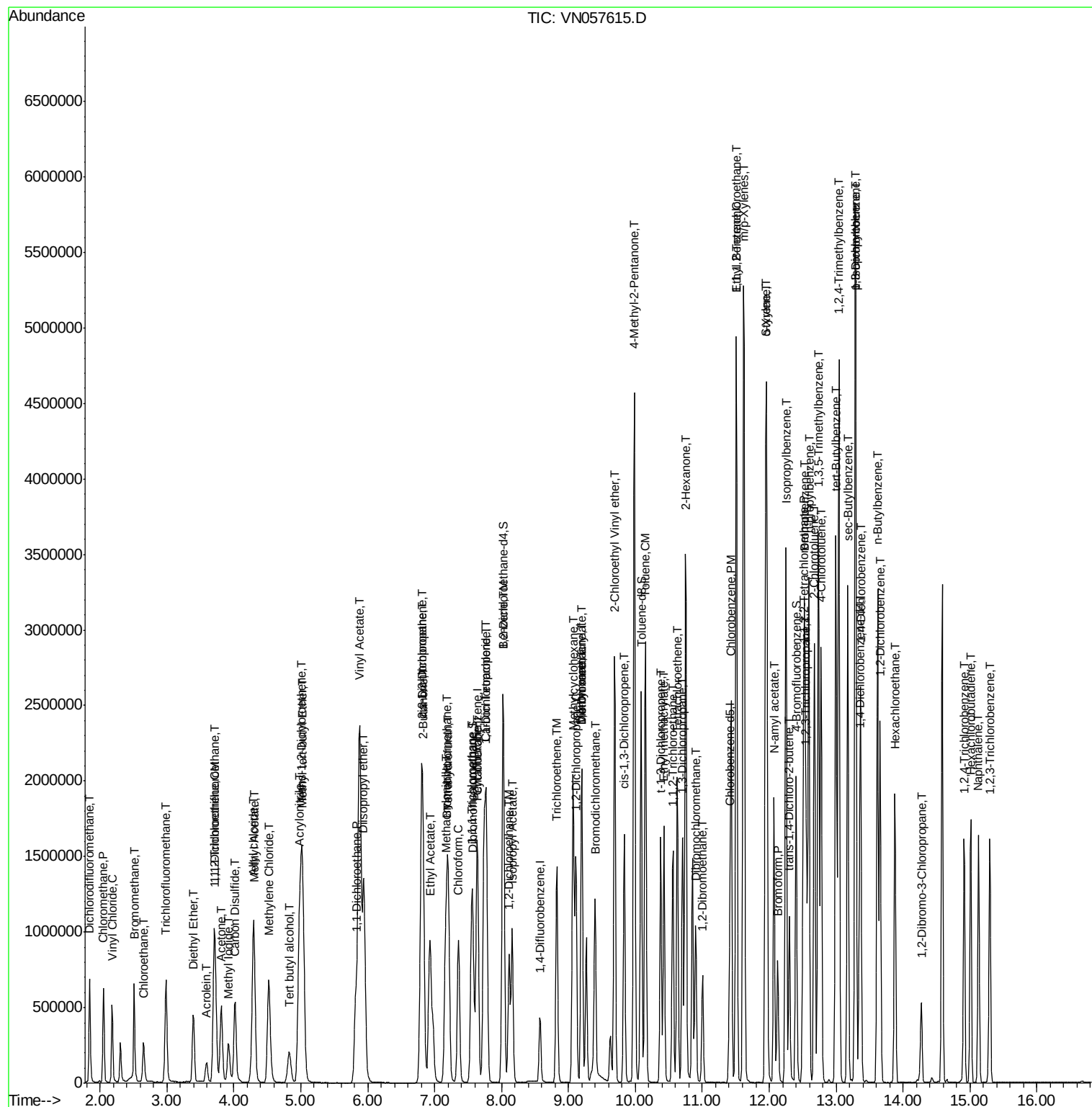
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090119\
Data File : VN057615.D
Acq On : 31 Aug 2019 14:52
Operator : JC/SP
Sample : VSTDIC150
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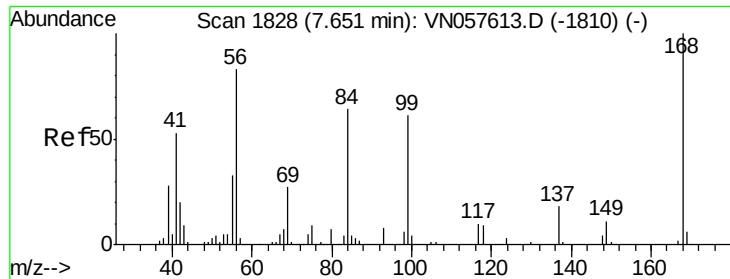
Instrument :
MSVOA_N
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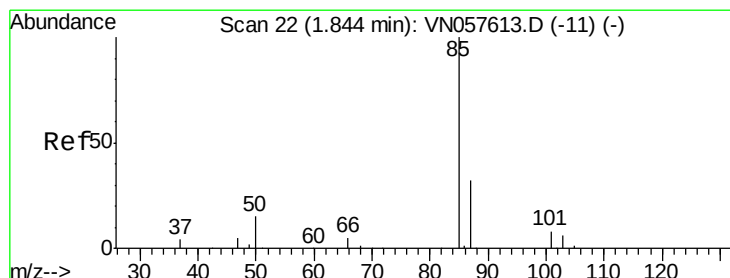
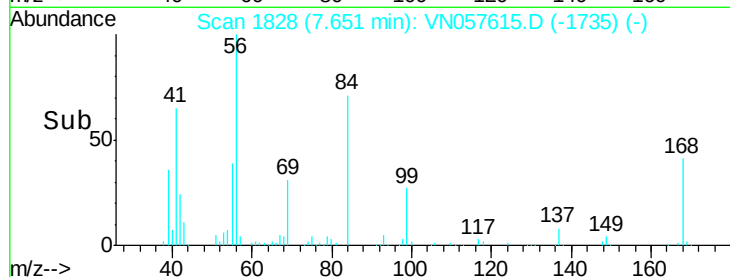
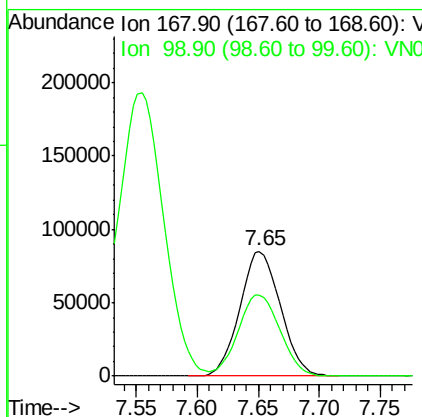
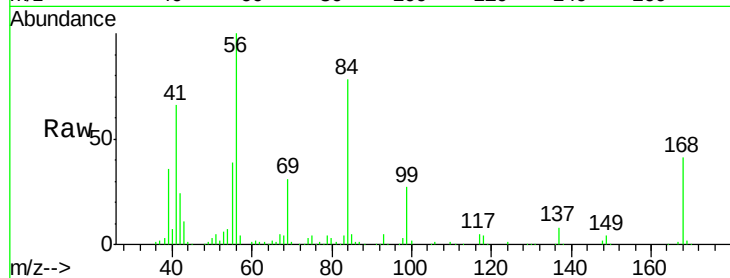
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	64.8	54.2	81.2

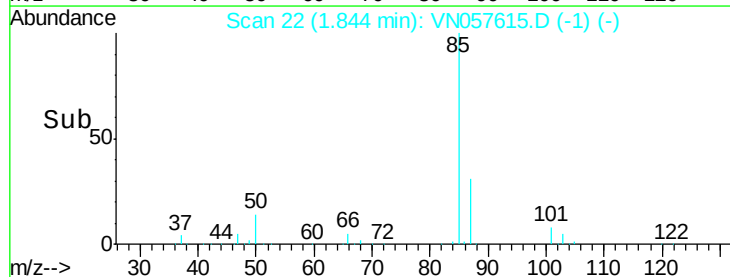
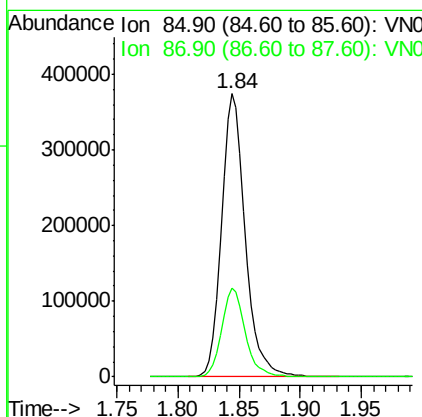
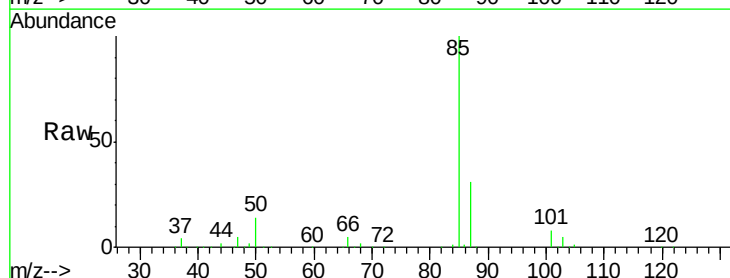
Manual Integrations
APPROVED

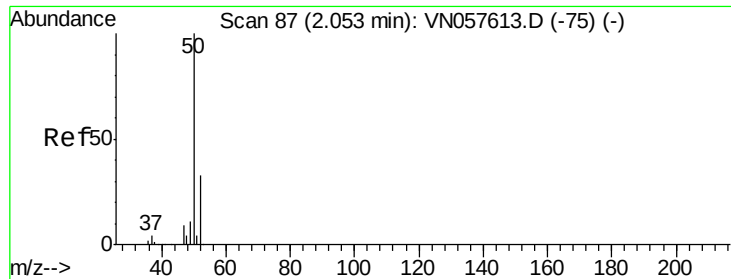
MMDadoda
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#2
Dichlorodifluoromethane
Concen: 207.493 ug/l
RT: 1.84 min Scan# 22
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.2	48.6





#3

Chloromethane

Concen: 159.736 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 545765

Ion Ratio Lower Upper

50 100

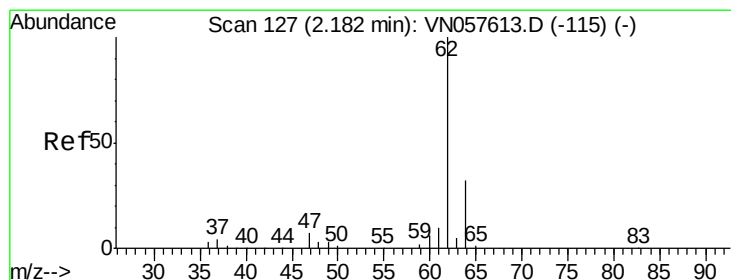
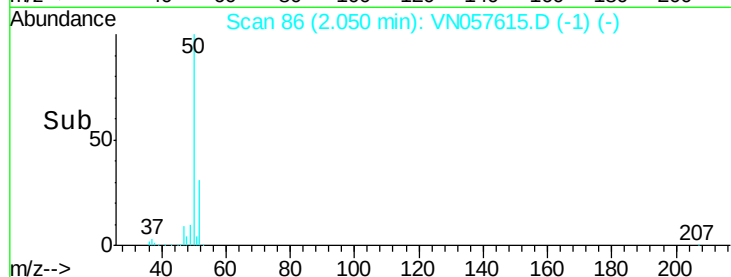
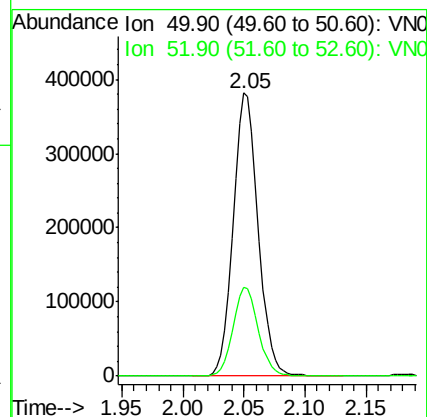
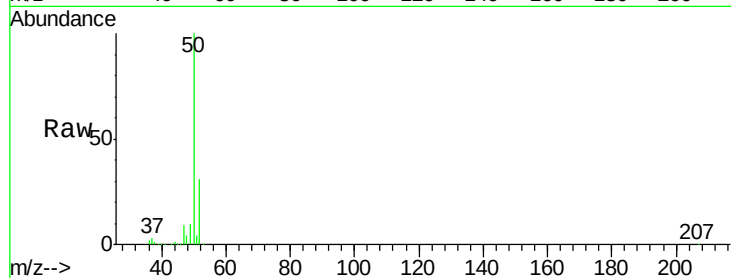
52 31.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 112.822 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057615.D

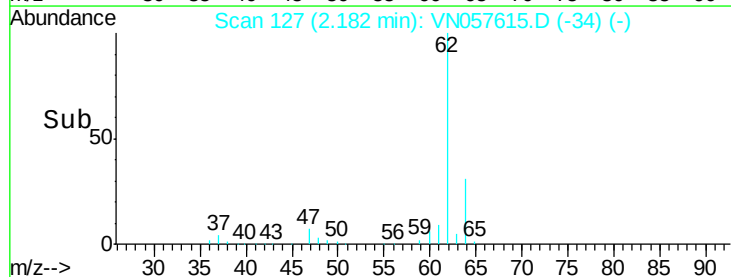
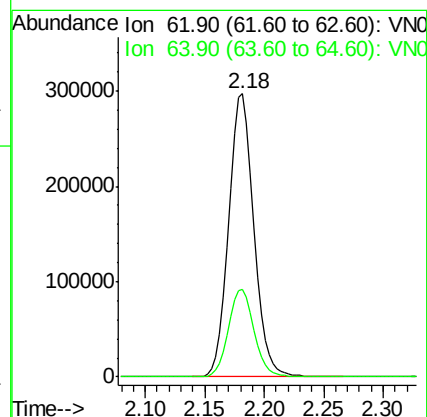
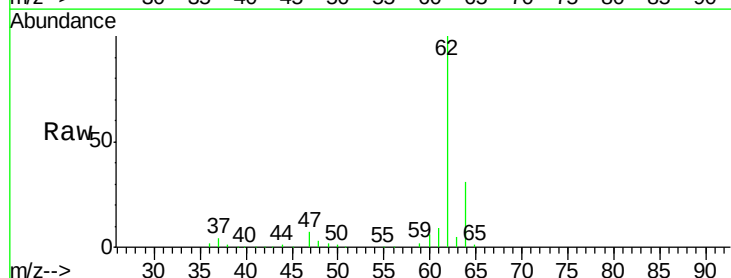
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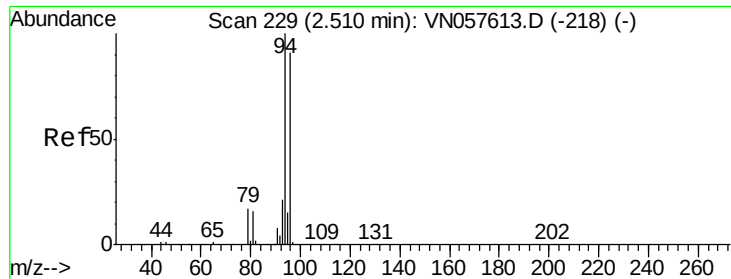
Tgt Ion: 62 Resp: 435579

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 117.607 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 278314

Ion Ratio Lower Upper

94 100

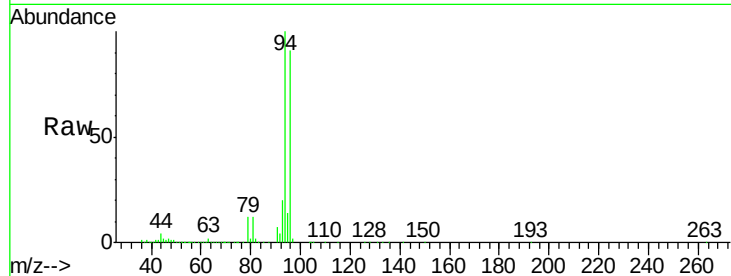
96 91.4 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250000

200000

150000

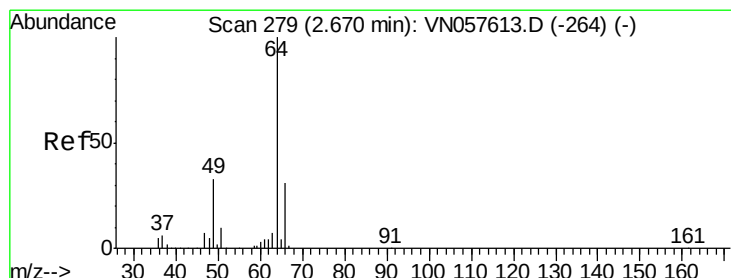
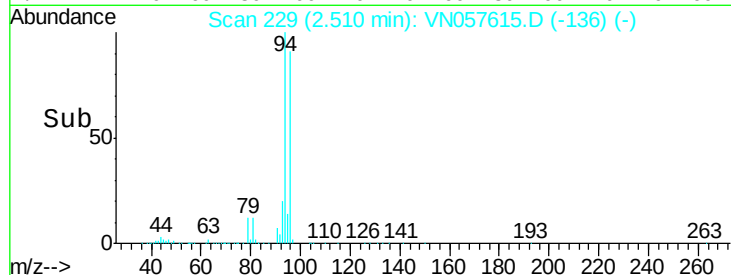
100000

50000

0

2.45 2.50 2.55

Time-->



#6

Chloroethane

Concen: 96.392 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.02 min

Lab File: VN057615.D

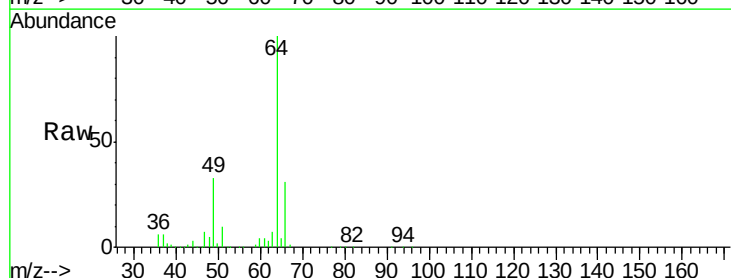
Acq: 31 Aug 2019 14:52

Tgt Ion: 64 Resp: 237301

Ion Ratio Lower Upper

64 100

66 31.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

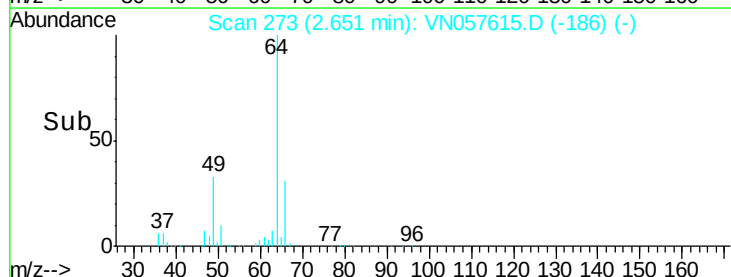
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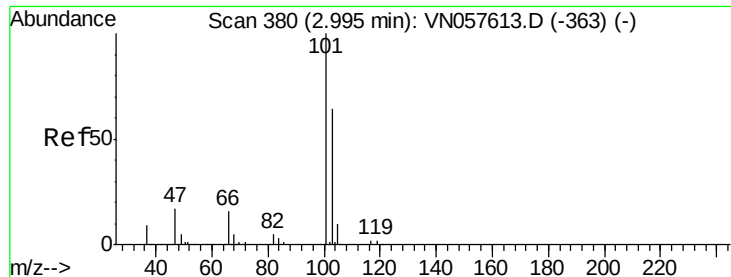
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0

2.60 2.65 2.70

Time-->





#7

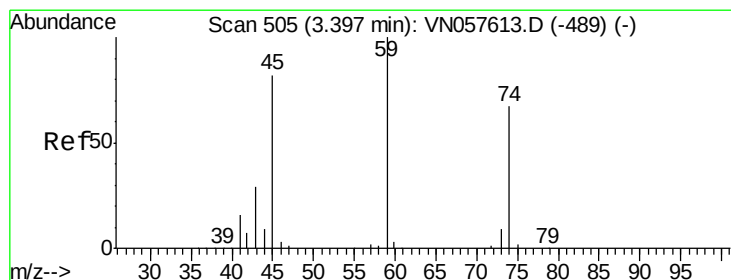
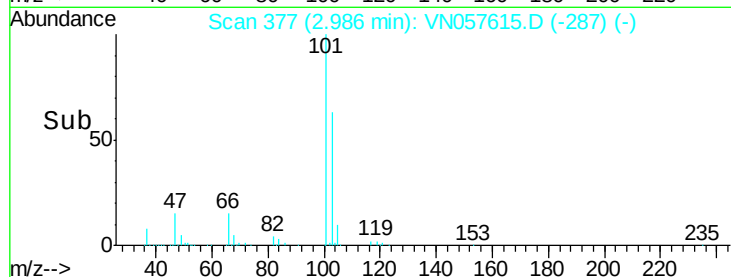
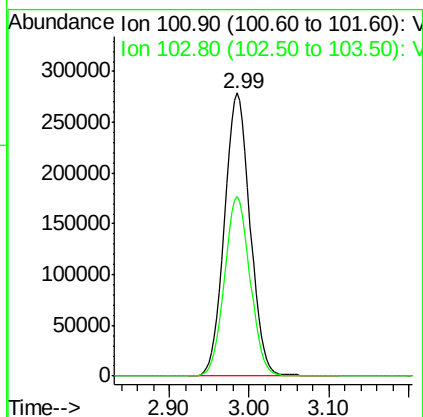
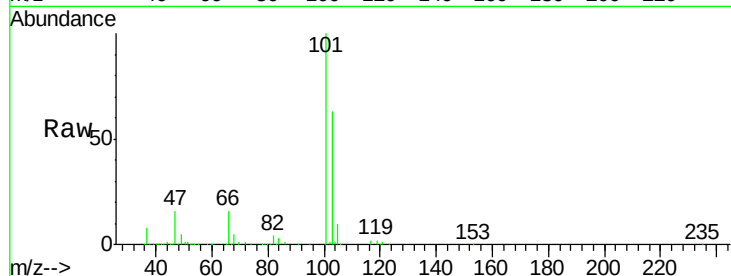
Trichlorofluoromethane
Concen: 102.436 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.01 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	611691		
103	63.5	51.3	76.9	

Manual Integrations
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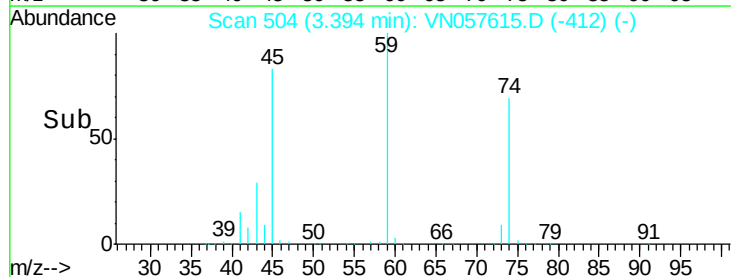
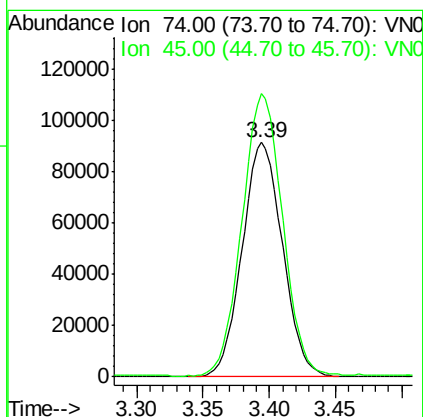
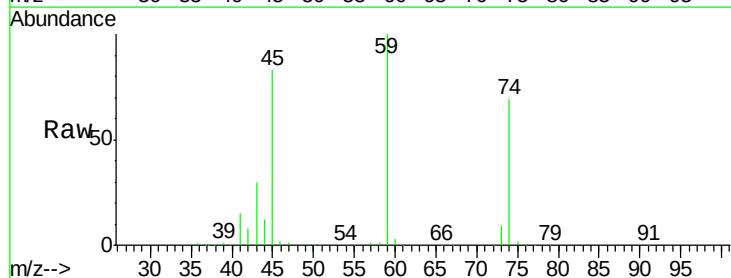
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9/3/2019 11:52:06 AM

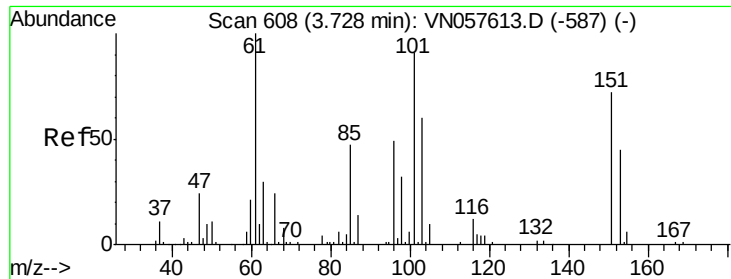


#8

Diethyl Ether
Concen: 87.259 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	194429		
45	121.0	61.9	185.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.841 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

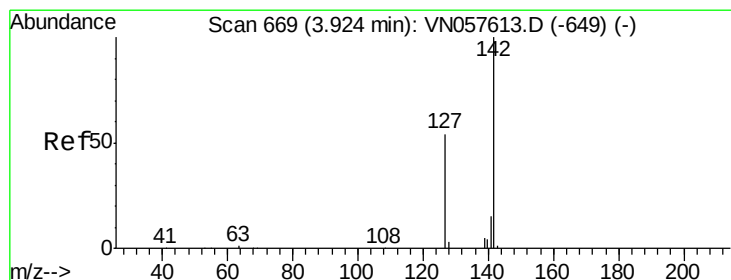
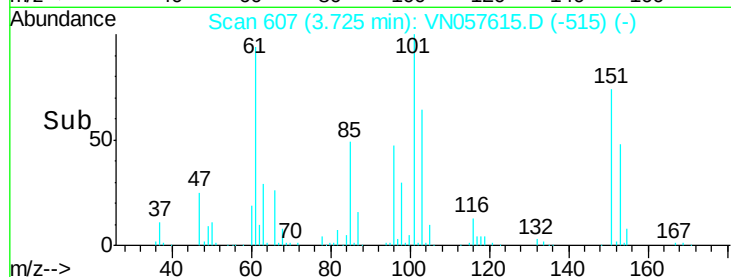
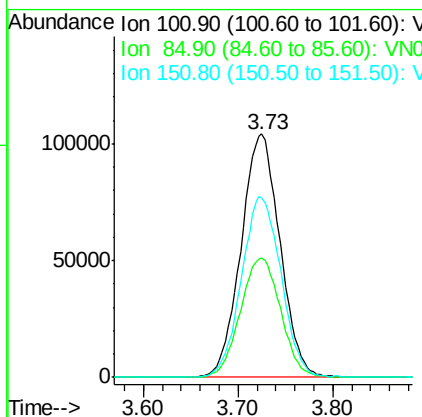
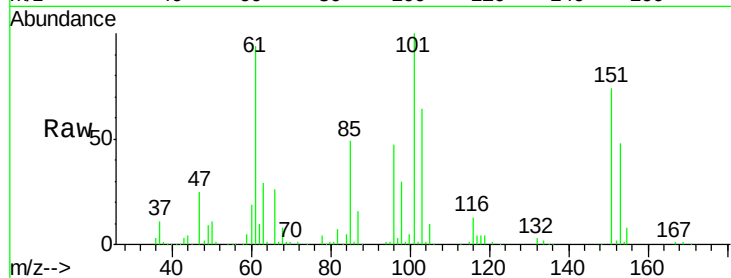
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	298258
Ion Ratio	Lower	Upper	
101	100		
85	50.7	42.1	63.1
151	75.3	60.2	90.4

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#10

Methyl Iodide

Concen: 152.788 ug/l

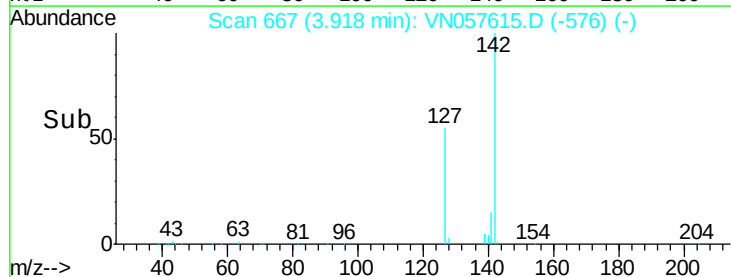
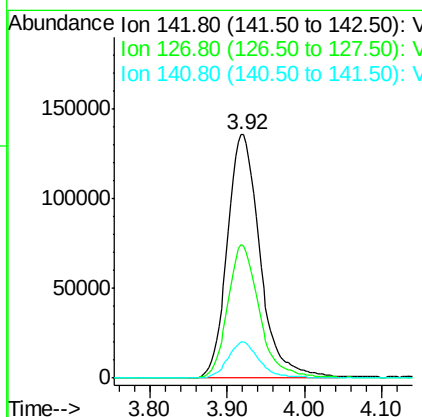
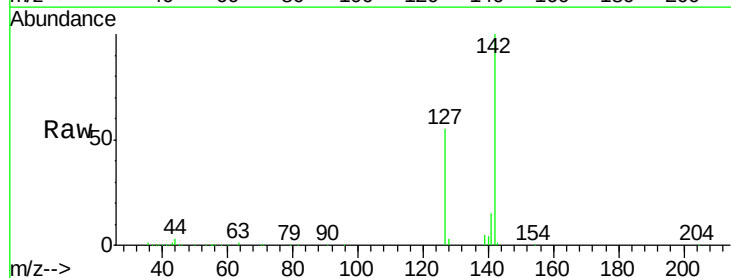
RT: 3.92 min Scan# 667

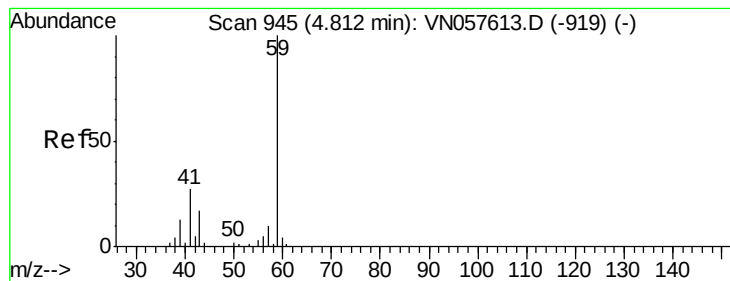
Delta R.T. -0.01 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion:	142	Resp:	398312
Ion Ratio	Lower	Upper	
142	100		
127	52.6	43.0	64.6
141	13.9	11.4	17.2





#11

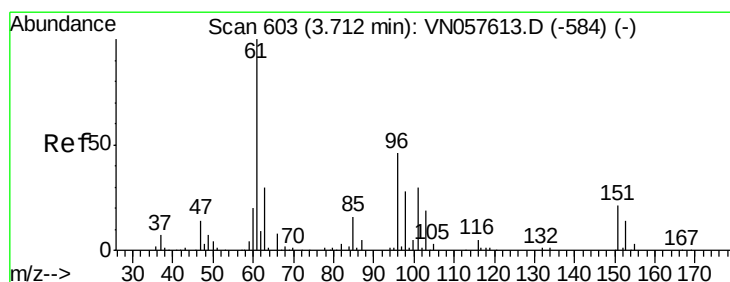
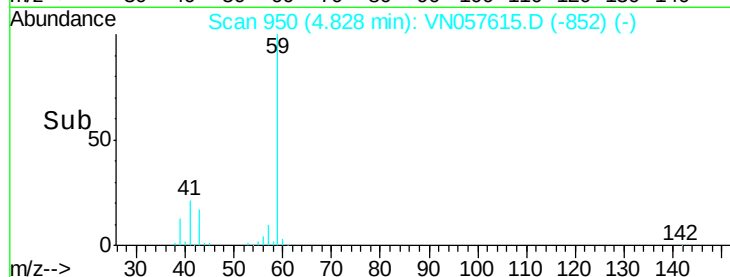
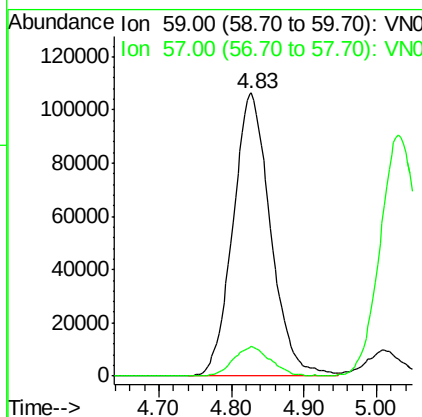
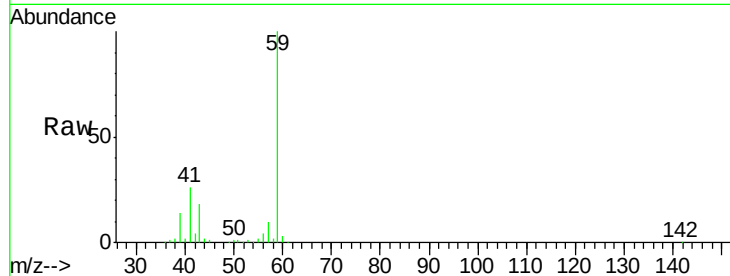
Tert butyl alcohol
Concen: 861.647 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.02 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	381392		
57	10.4		5.0	7.6#

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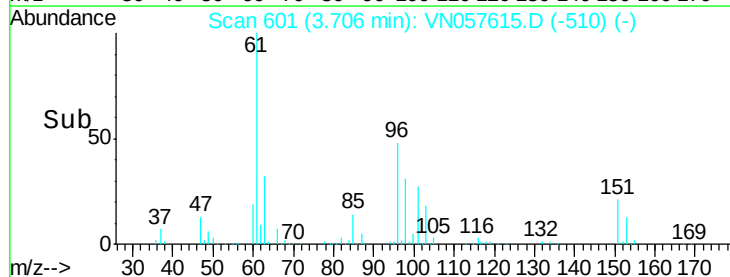
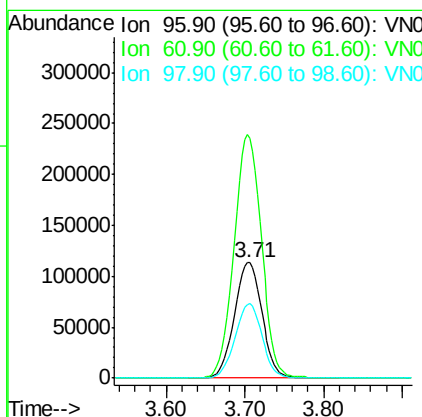
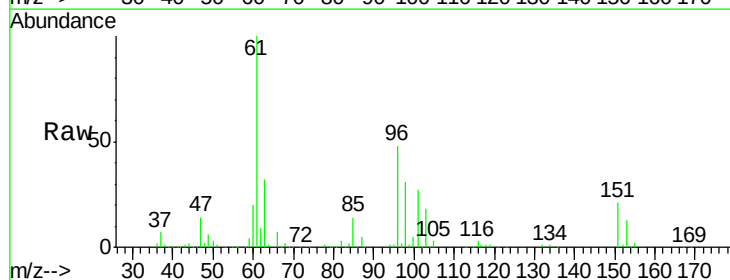
MMDadoda
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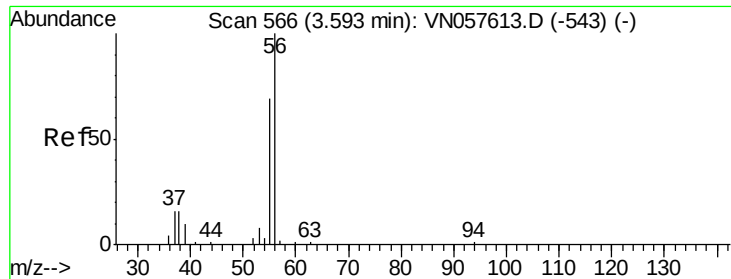


#12

1,1-Dichloroethene
Concen: 88.919 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.01 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	278953		
61	207.4		172.1	258.1
98	64.4		48.3	72.5





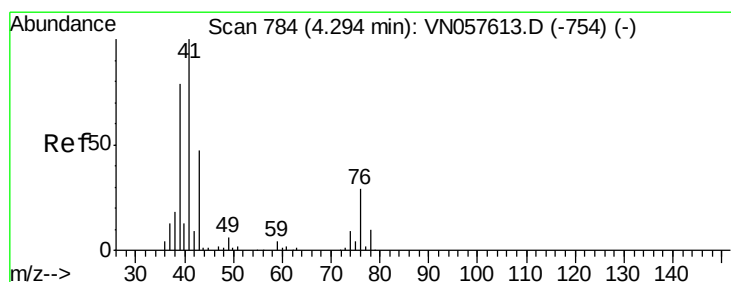
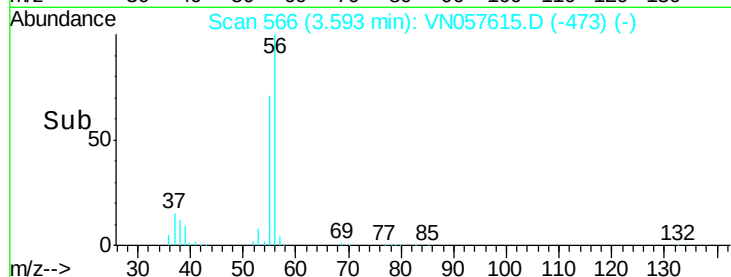
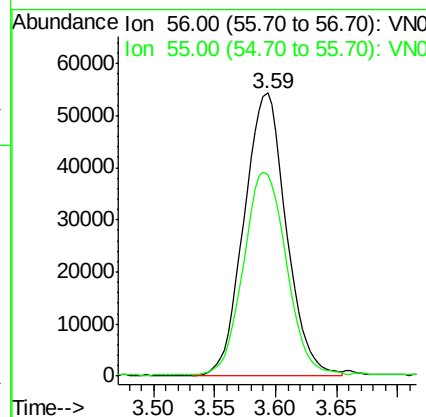
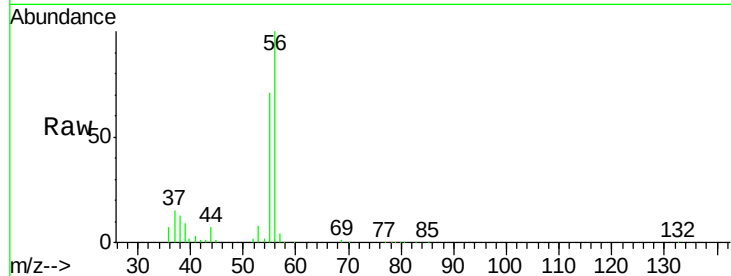
#13
Acrolein
Concen: 384.239 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	130124
Ion Ratio	Lower	Upper	
56	100		
55	72.8	56.5	84.7

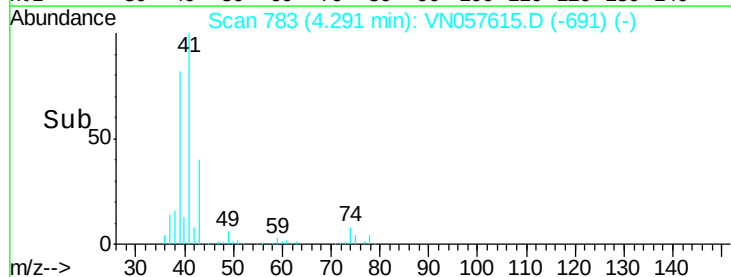
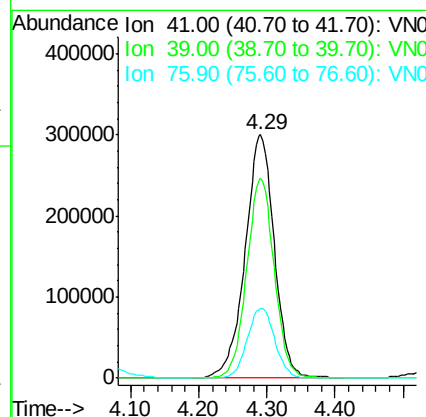
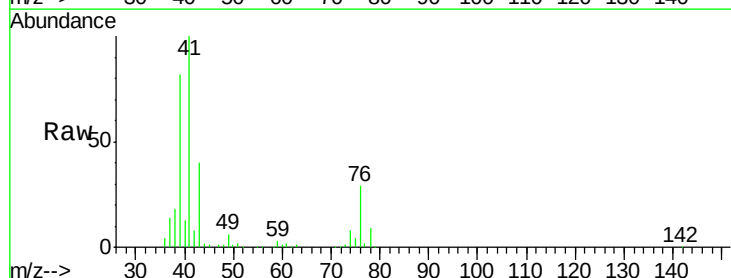
Manual Integrations
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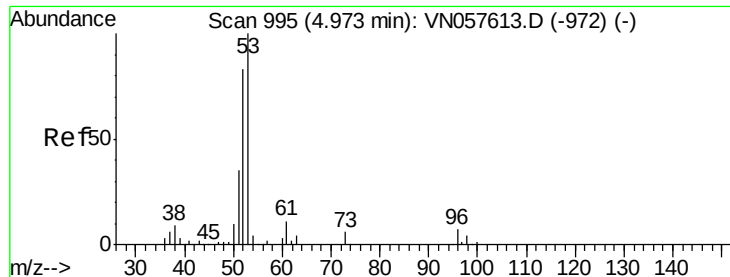
MMDadoda
9/3/2019 11:52:06 AM



#14
Allyl chloride
Concen: 175.132 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	41	Resp	888099
Ion Ratio	Lower	Upper	
41	100		
39	77.8	60.9	91.3
76	26.9	21.1	31.7





#15

Acrylonitrile

Concen: 879.357 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1066345

Ion Ratio Lower Upper

53 100

52 84.1 67.1 100.7

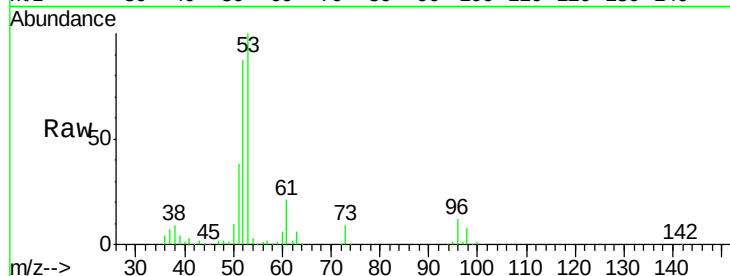
51 38.3 30.2 45.4

Manual Integrations

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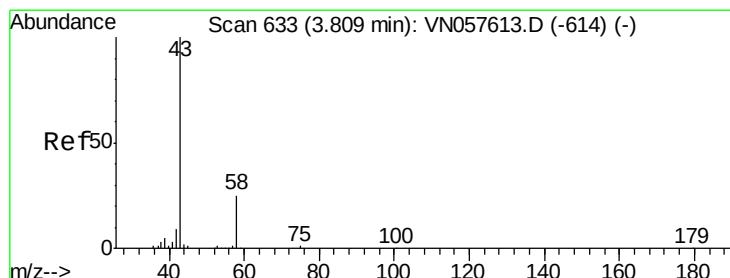
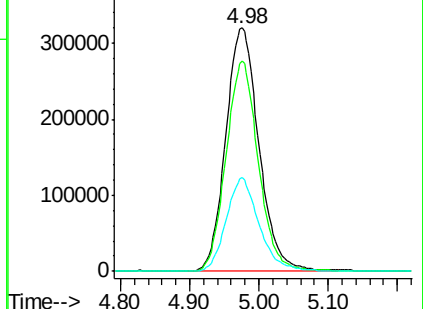
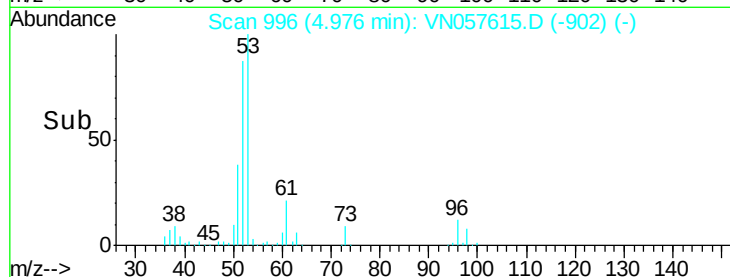
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Abundance Ion 53.00 (52.70 to 53.70): VN057615.D (-902) (-)

Ion 52.00 (51.70 to 52.70): VN057615.D (-902) (-)

Ion 51.00 (50.70 to 51.70): VN057615.D (-902) (-)



#16

Acetone

Concen: 523.751 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN057615.D

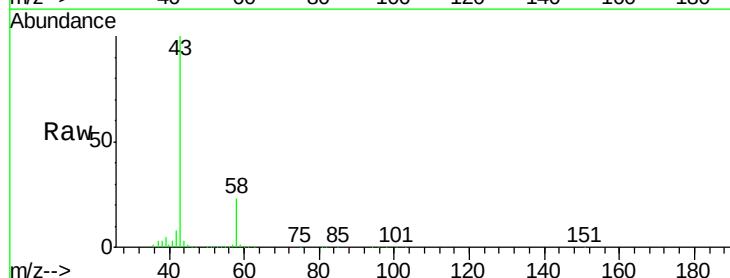
Acq: 31 Aug 2019 14:52

Tgt Ion: 43 Resp: 854492

Ion Ratio Lower Upper

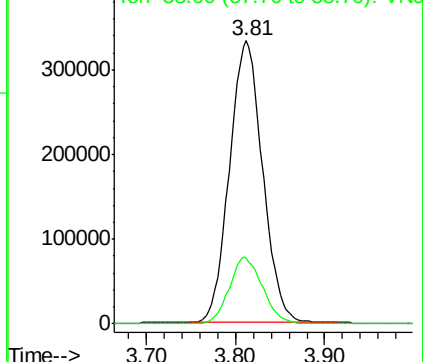
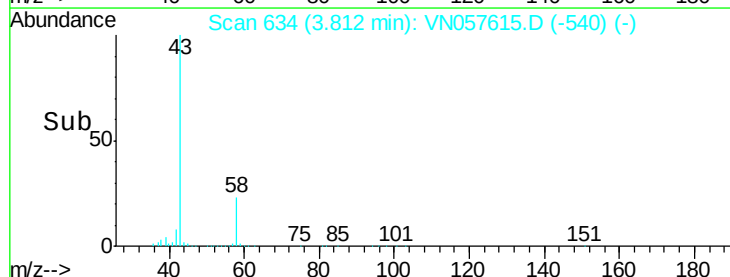
43 100

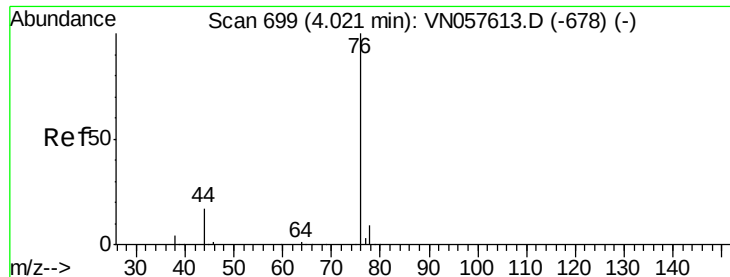
58 23.1 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN057615.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN057615.D (-540) (-)





#17

Carbon Disulfide

Concen: 157.628 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tot Ion: 76 Resp: 1012101

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3

Instrument :

MSVOA_N

ClientSampleId :

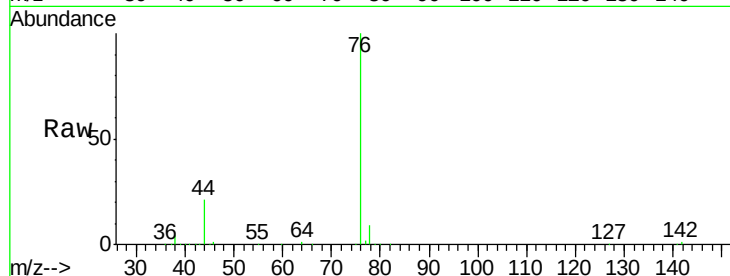
VSTDIC150

Manual Integrations

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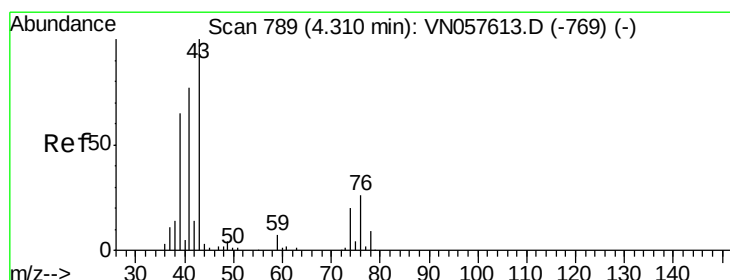
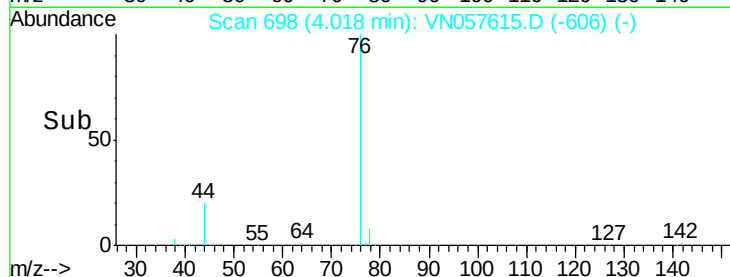
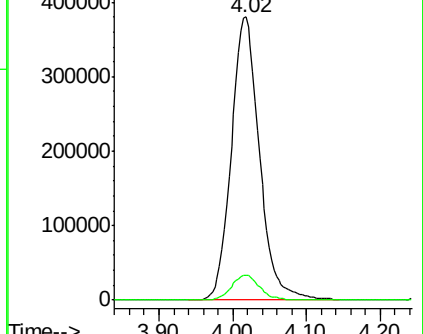
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 142.528 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057615.D

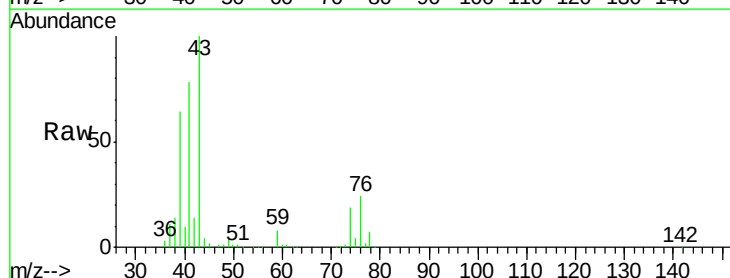
Acq: 31 Aug 2019 14:52

Tgt Ion: 43 Resp: 602418

Ion Ratio Lower Upper

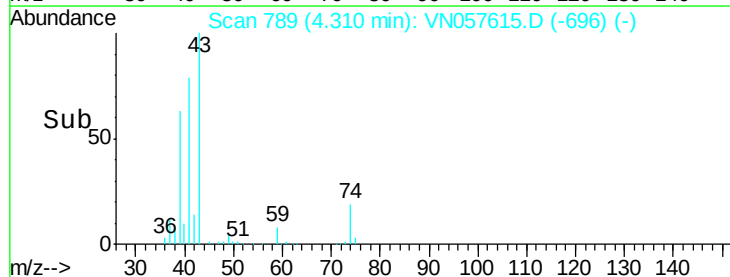
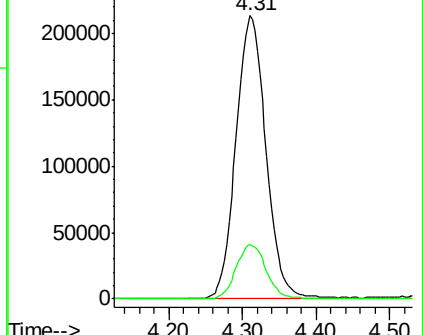
43 100

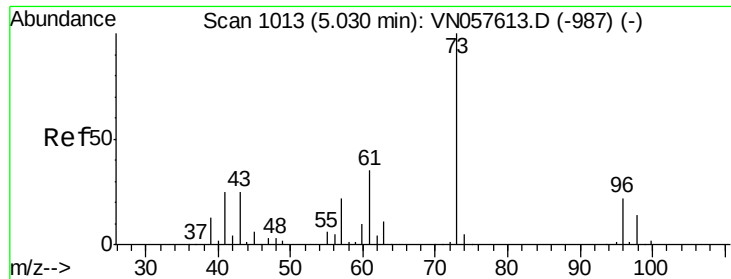
74 19.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





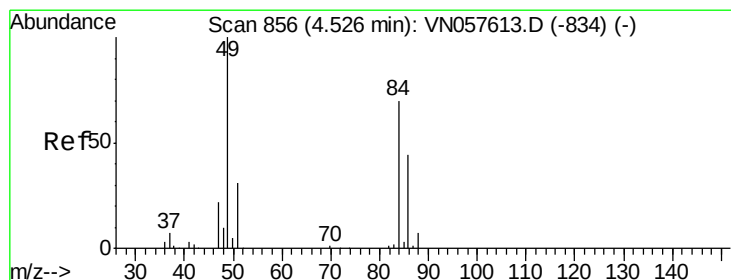
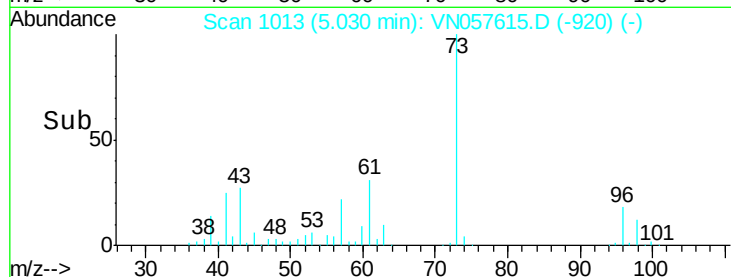
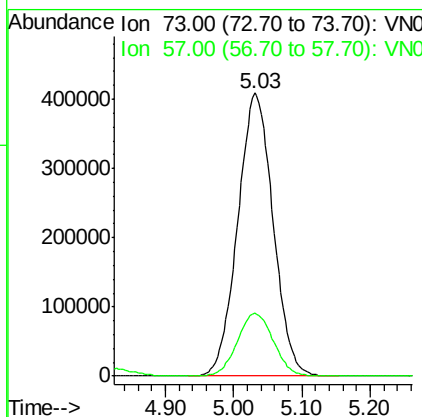
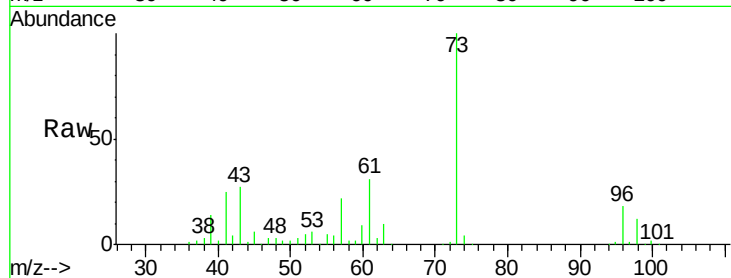
#19
Methyl tert-butyl Ether
Concen: 174.391 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 1473076
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

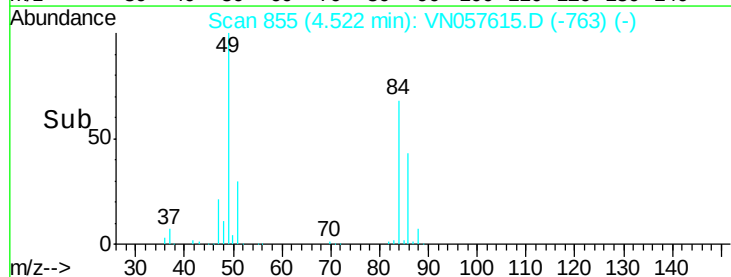
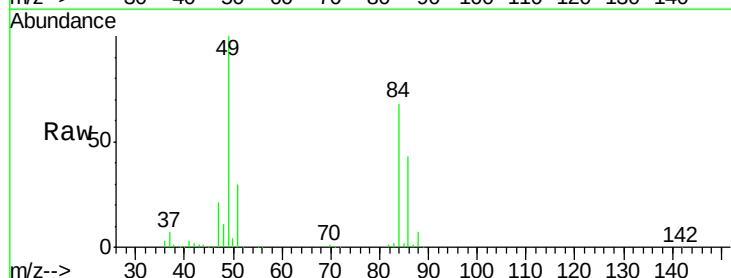
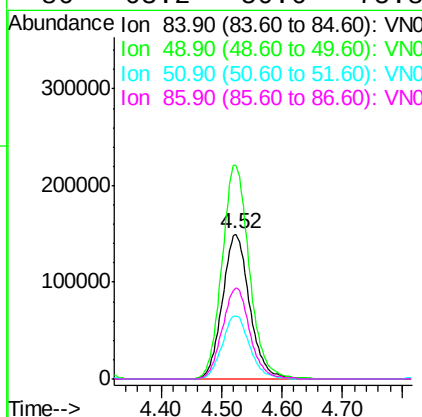
Manual Integrations
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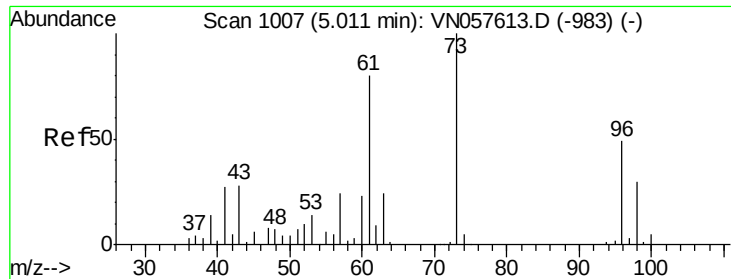
MMDadoda
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#20
Methylene Chloride
Concen: 171.708 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 84 Resp: 469112
Ion Ratio Lower Upper
84 100
49 147.6 113.8 170.6
51 43.7 35.0 52.6
86 63.2 50.6 75.8





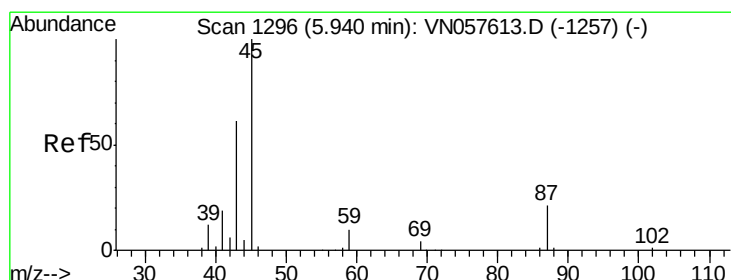
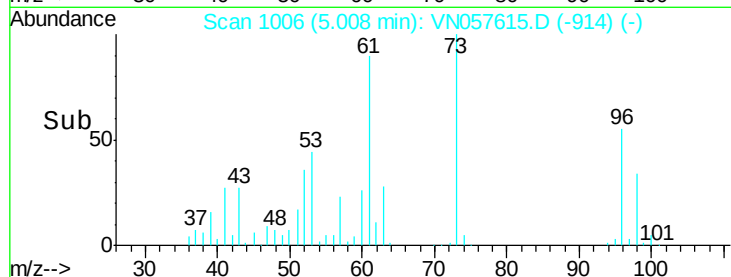
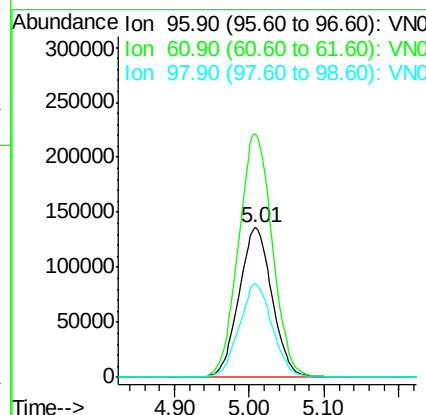
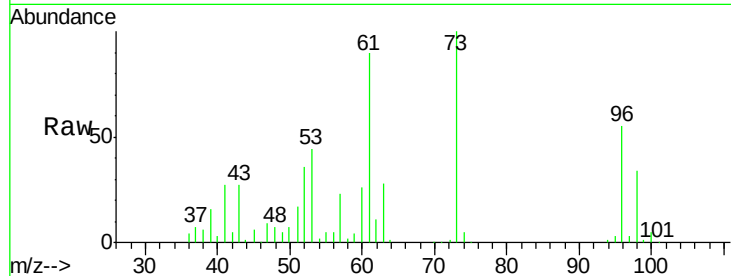
#21
trans-1,2-Dichloroethene
Concen: 169.483 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	131.6	197.4
98	62.4	49.9	74.9

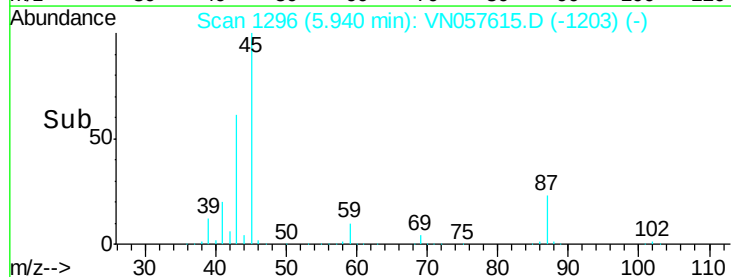
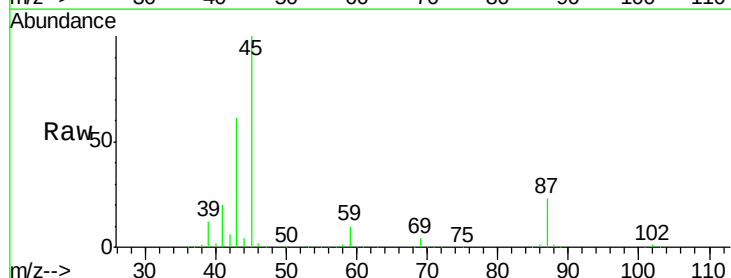
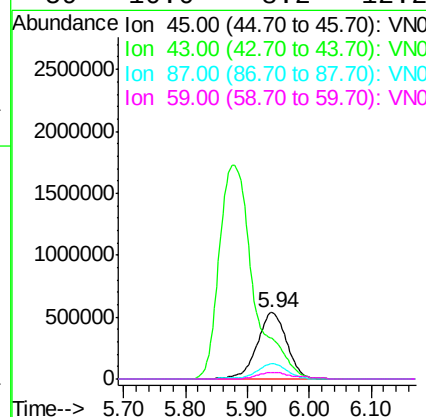
Manual Integrations
APPROVED

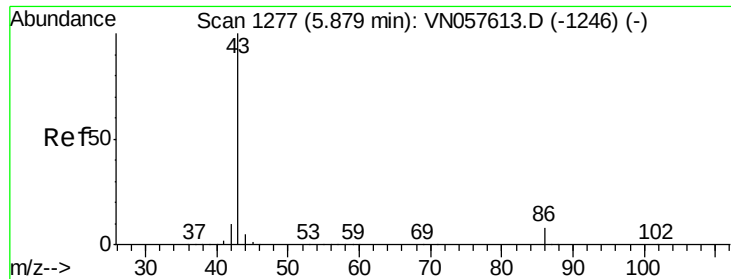
MMDadoda
9/3/2019 11:52:06 AM



#22
Diisopropyl ether
Concen: 177.922 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	49.1	73.7
87	23.0	17.0	25.6
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 843.236 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6646151

Ion Ratio Lower Upper

43 100

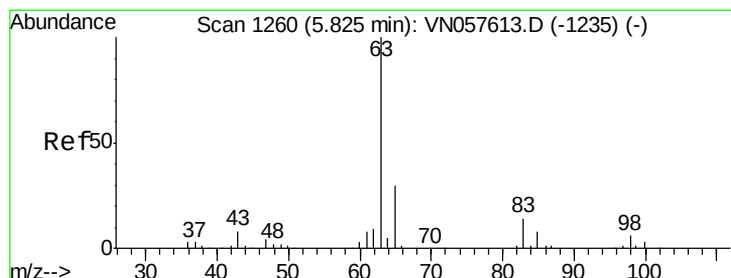
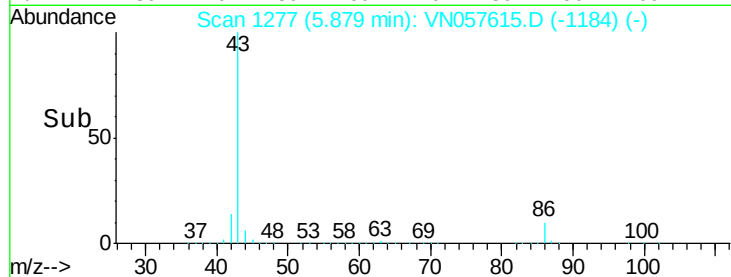
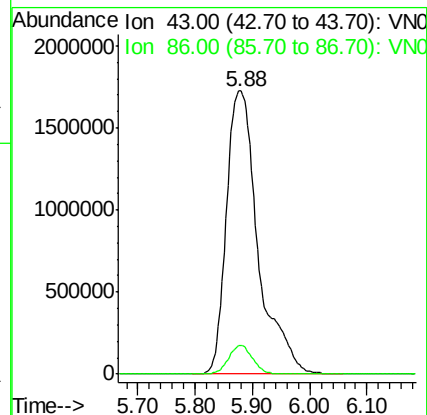
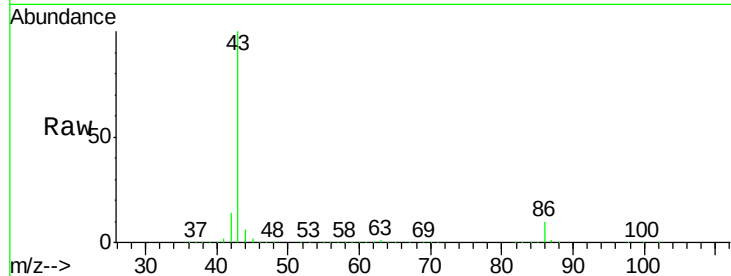
86 10.1 6.1 9.1#

Manual Integrations

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MMDadoda

9/3/2019 11:52:06 AM



#24

1,1-Dichloroethane

Concen: 175.838 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

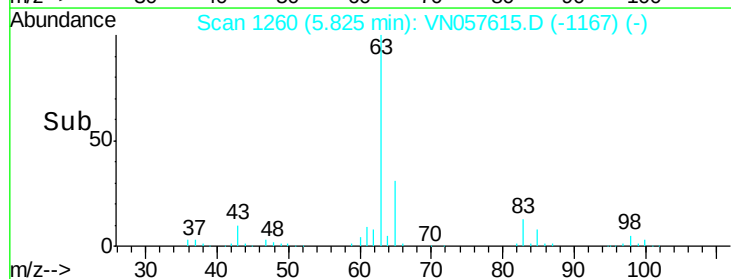
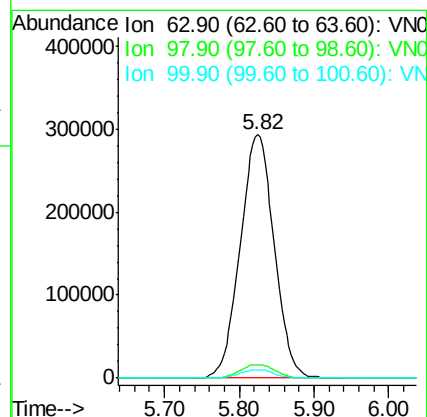
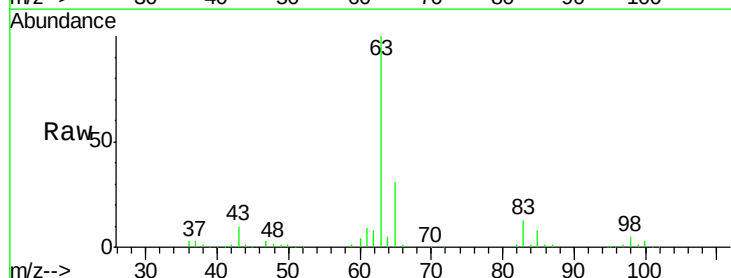
Tgt Ion: 63 Resp: 924690

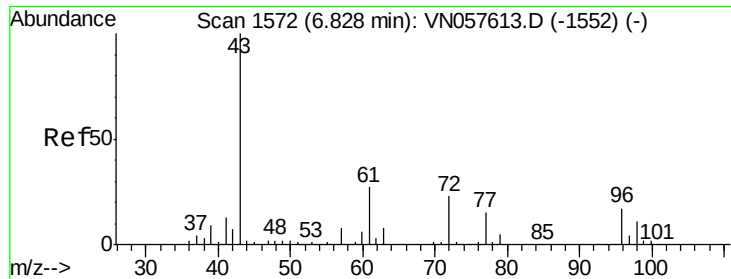
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.3 1.5 4.5





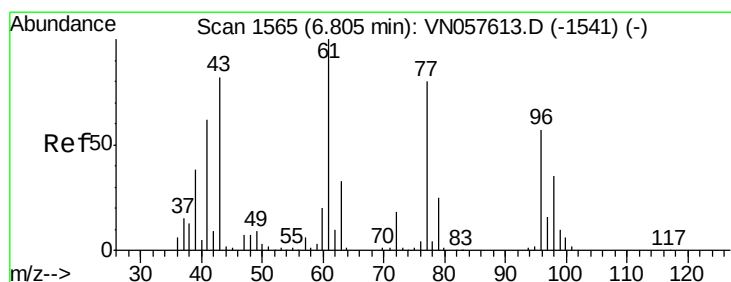
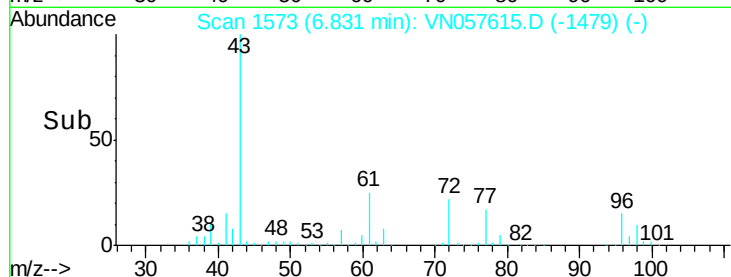
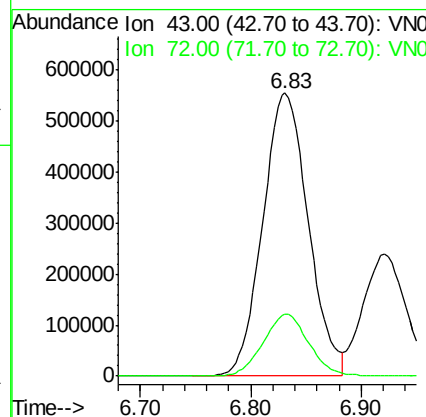
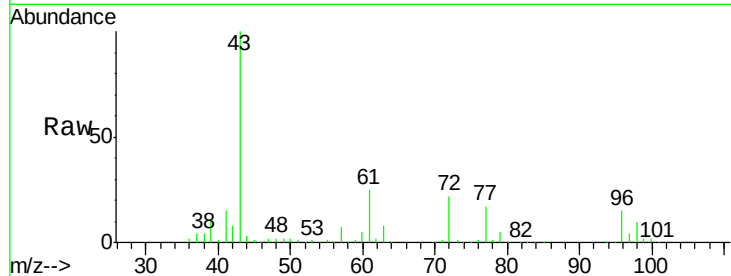
#25
2-Butanone
Concen: 870.345 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1581735
Ion Ratio Lower Upper
43 100
72 22.0 18.2 27.4

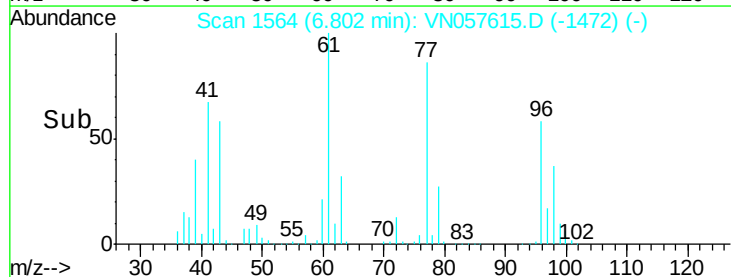
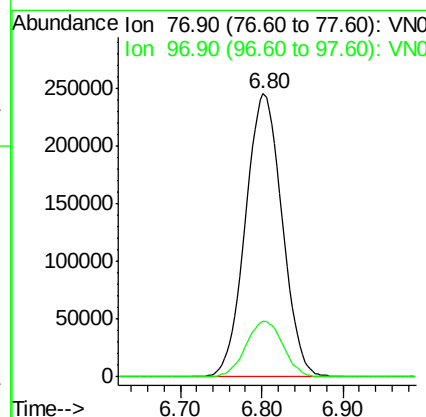
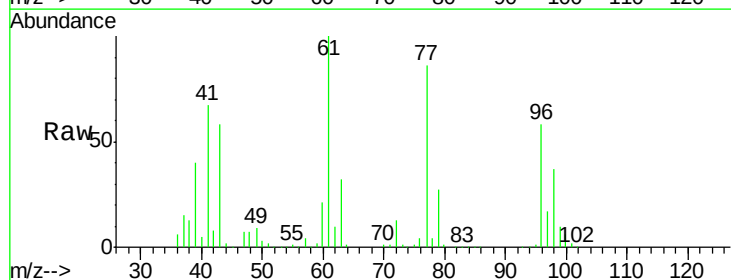
Manual Integrations
APPROVED

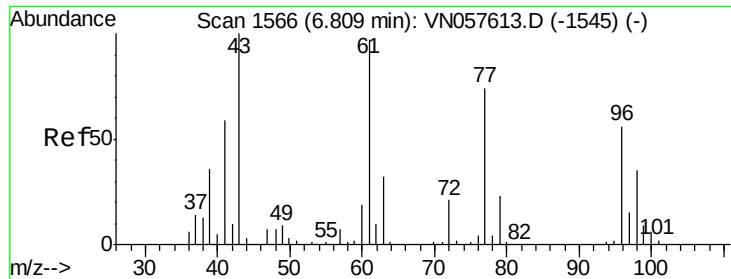
MMDadoda
9/3/2019 11:52:06 AM



#26
2,2-Dichloropropane
Concen: 169.434 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 77 Resp: 763472
Ion Ratio Lower Upper
77 100
97 20.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 169.278 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

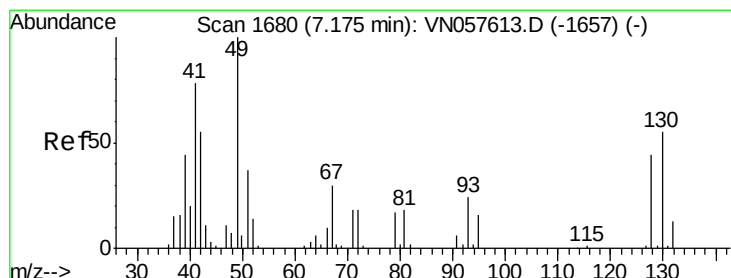
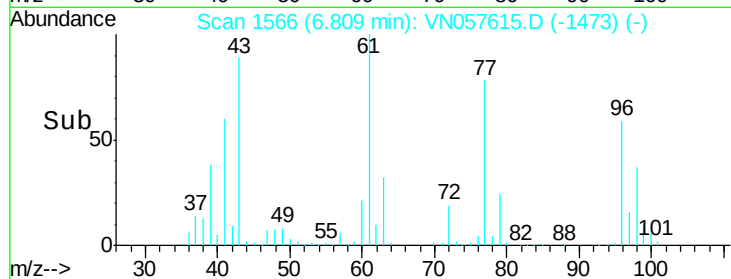
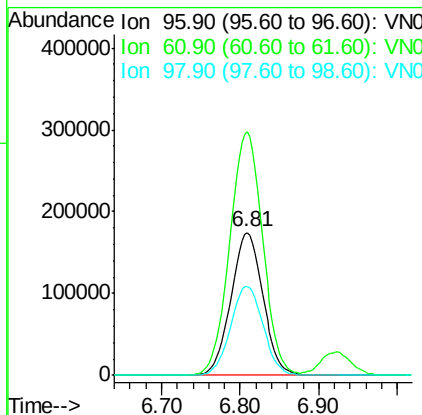
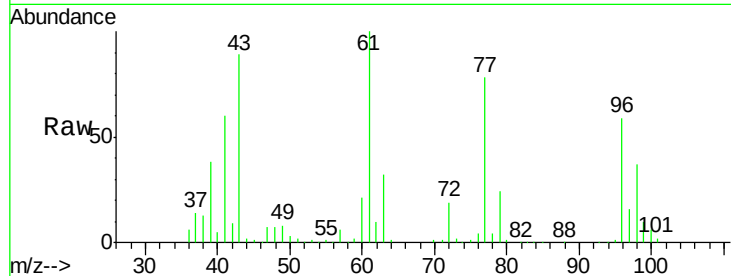
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	493842
Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	344.6
98	63.7	0.0	124.8

Manual Integrations
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9/3/2019 11:52:06 AM



#28

Bromochloromethane

Concen: 161.804 ug/l

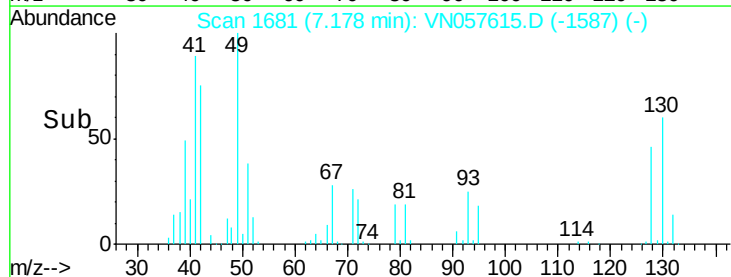
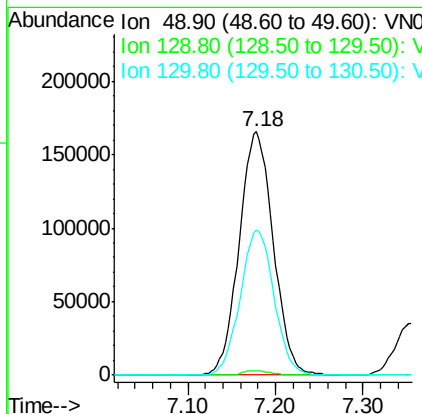
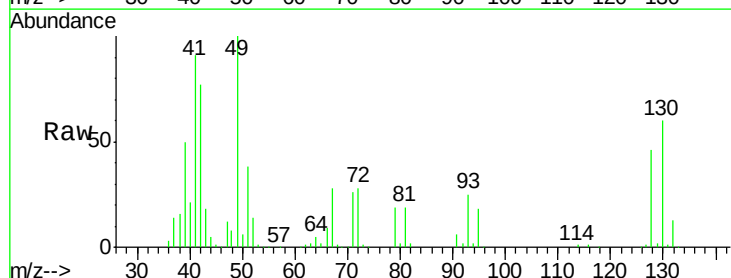
RT: 7.18 min Scan# 1681

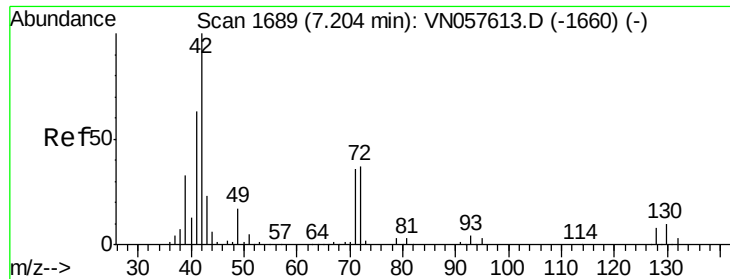
Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion:	49	Resp:	448401
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.8
130	59.0	45.8	68.8





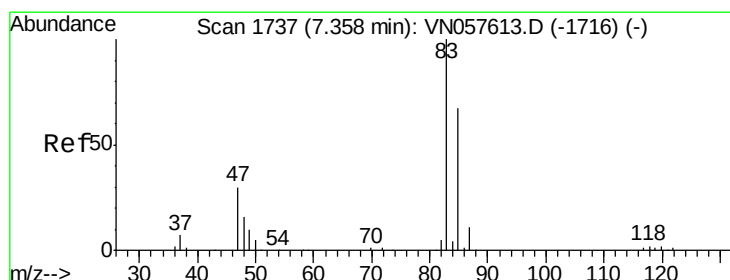
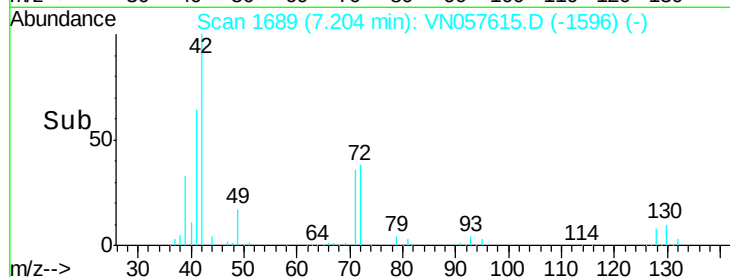
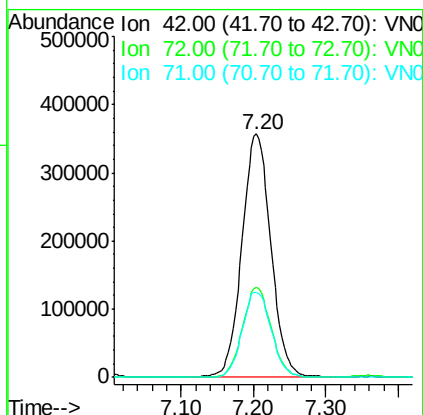
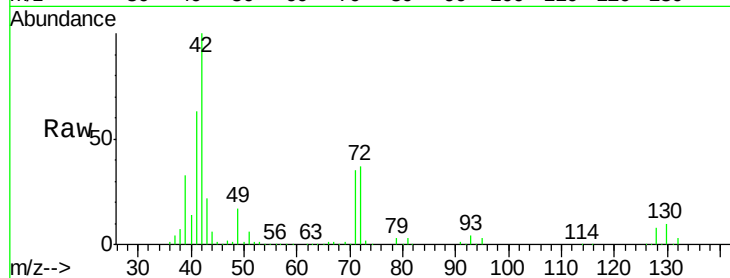
#29
Tetrahydrofuran
Concen: 839.764 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.6	44.4
71	35.2	27.9	41.9

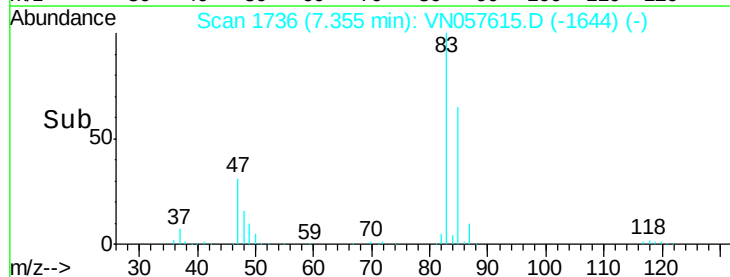
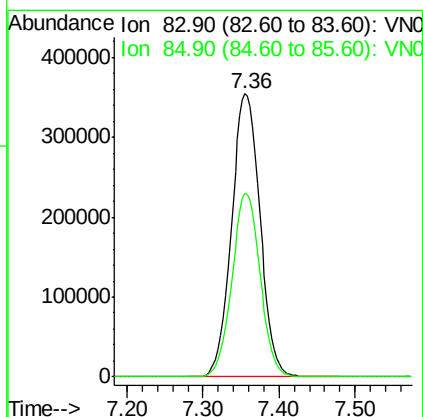
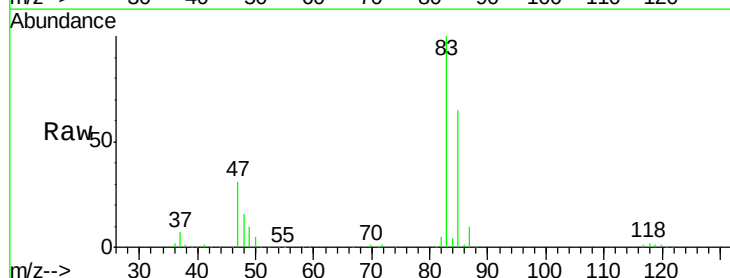
Manual Integrations
APPROVED

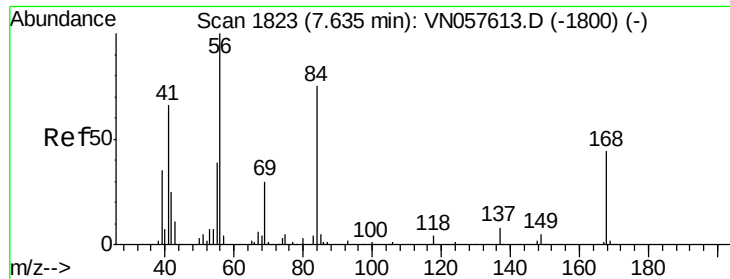
MMDadoda
9/3/2019 11:52:06 AM



#30
Chloroform
Concen: 168.763 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.2	79.8





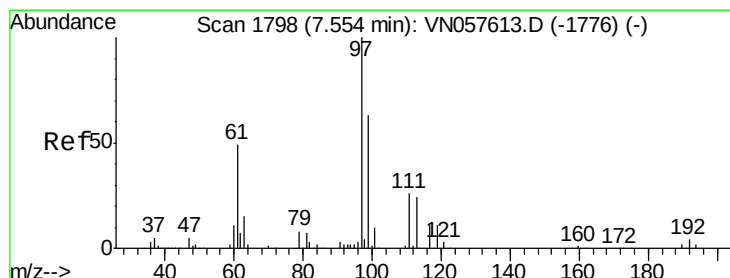
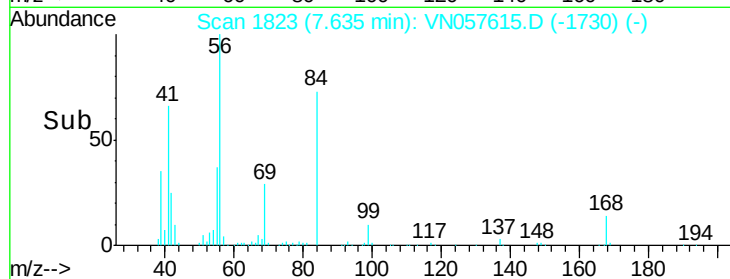
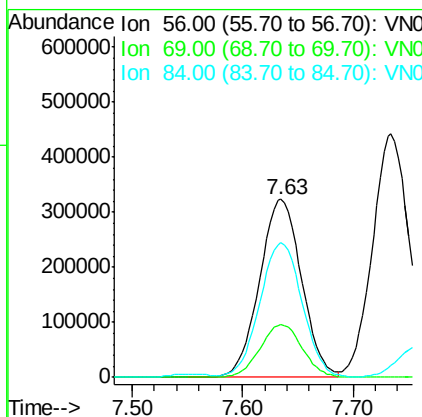
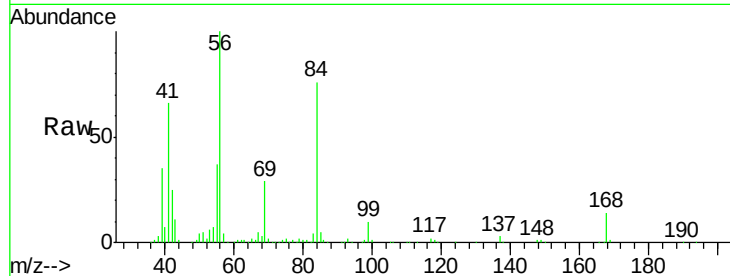
#31
Cyclohexane
Concen: 167.584 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.4	36.6
84	74.2	59.9	89.9

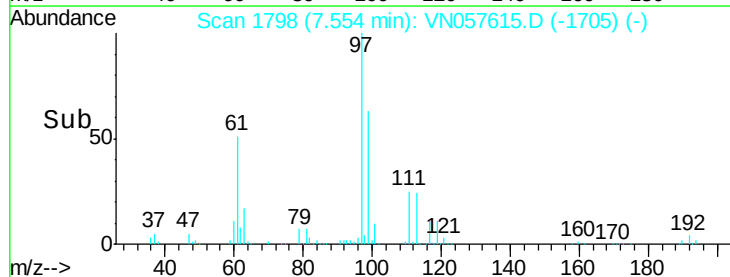
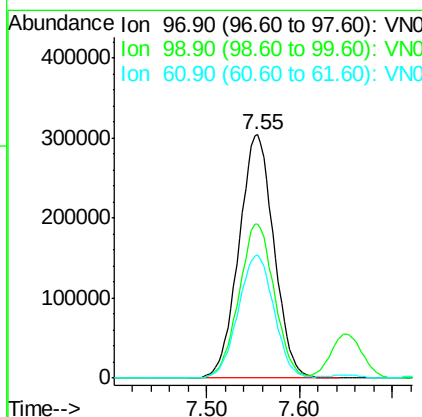
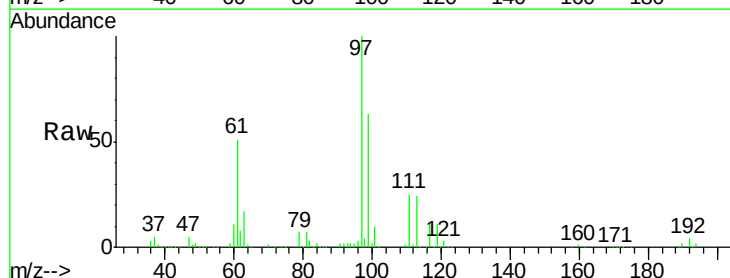
Manual Integrations
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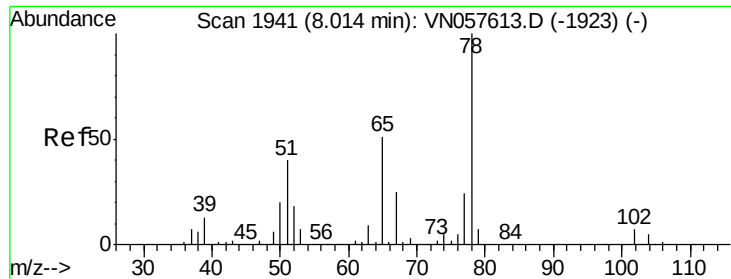
MMDadoda
9/3/2019 11:52:06 AM



#32
1,1,1-Trichloroethane
Concen: 178.033 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	75.8
61	51.7	41.1	61.7





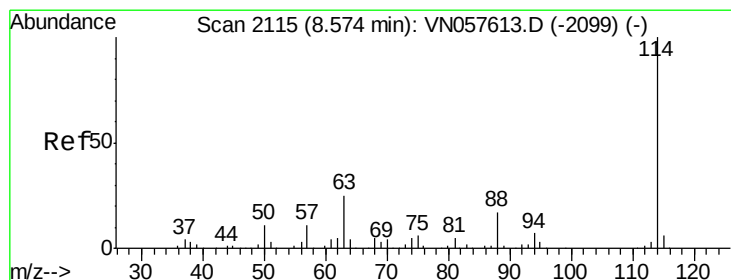
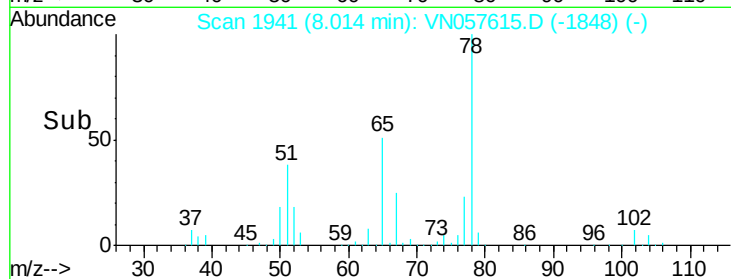
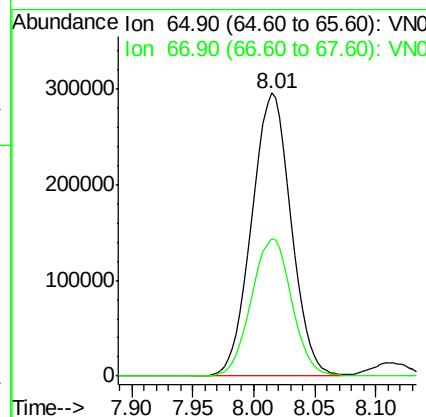
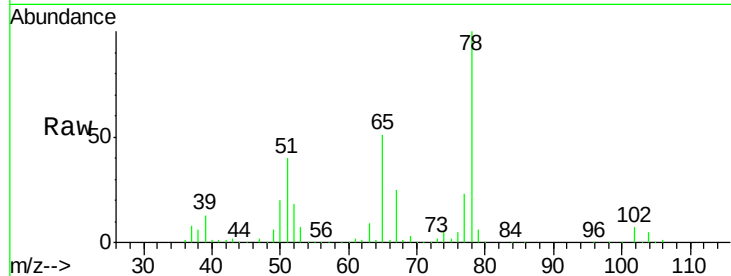
#33
 1,2-Dichloroethane-d4
 Concen: 180.550 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	661940		
67	49.9	0.0	102.2	

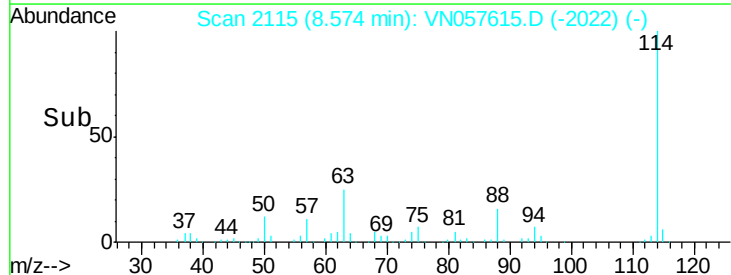
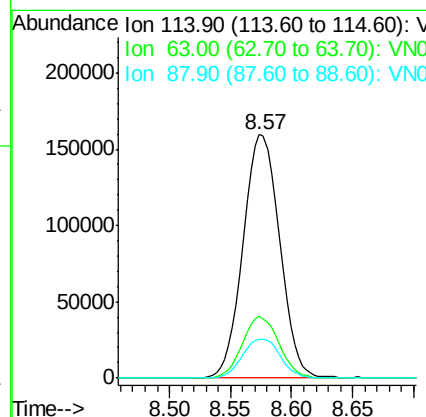
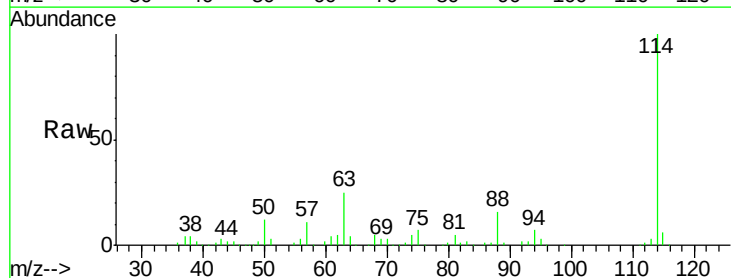
Manual Integrations
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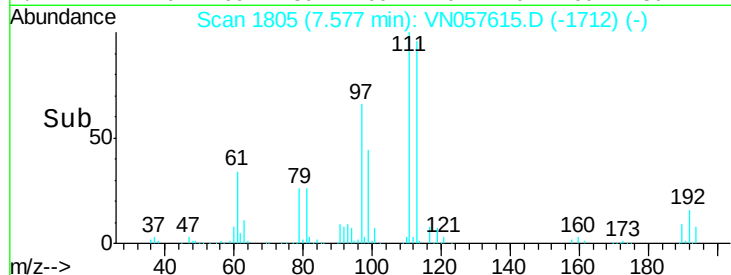
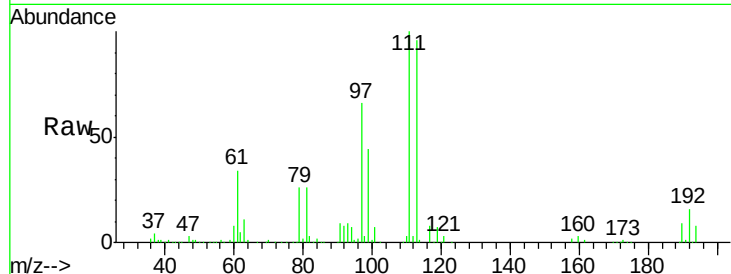
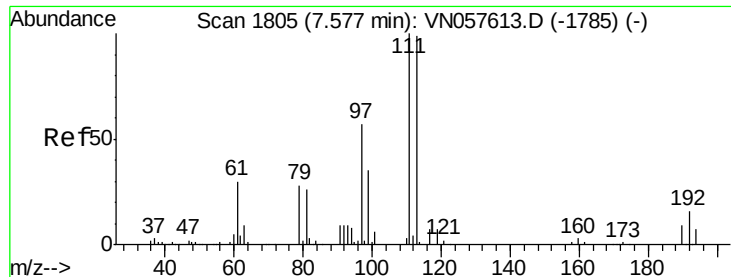
MMDadoda
 9/3/2019 11:52:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331904		
63	25.4	0.0	49.0	
88	16.0	0.0	33.0	





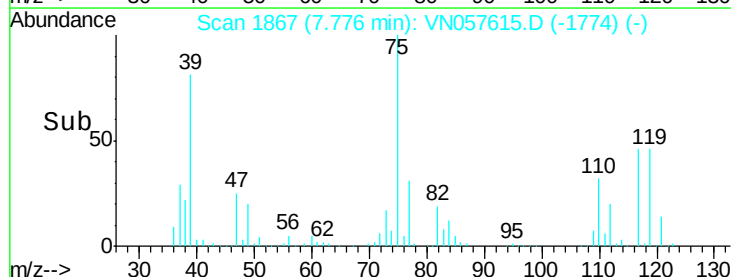
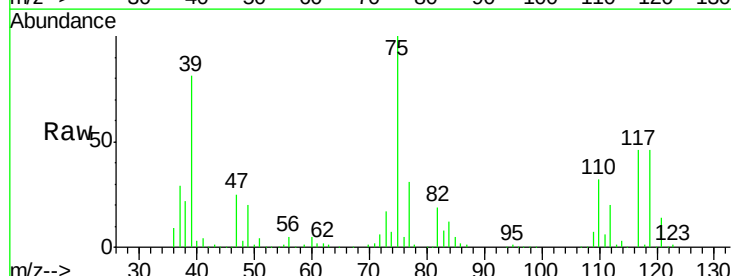
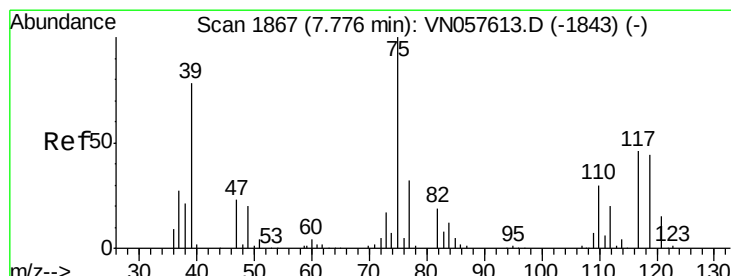
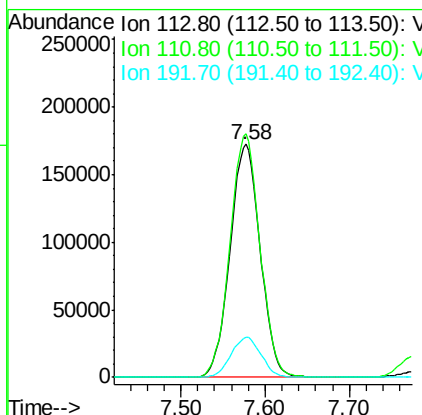
#35
Dibromofluoromethane
Concen: 179.031 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tot Ion	Ratio	Resp	Lower	Upper
113	100	429058		
111	103.9	81.3	121.9	
192	17.2	13.5	20.3	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

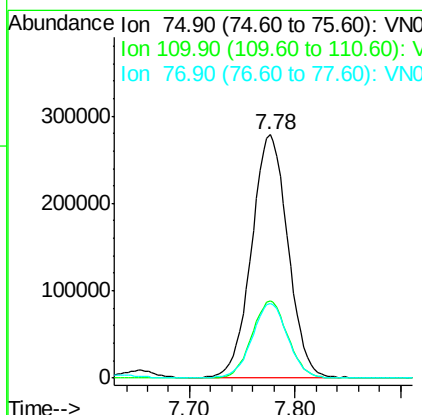
Manual Integrations
APPROVED

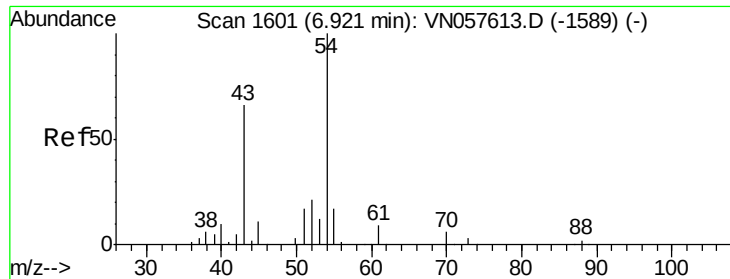
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9/3/2019 11:52:06 AM



#36
1,1-Dichloropropene
Concen: 184.152 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	667066		
110	31.4	15.6	46.8	
77	30.5	24.9	37.3	





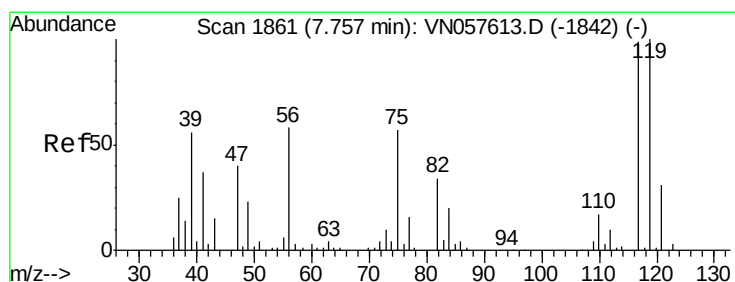
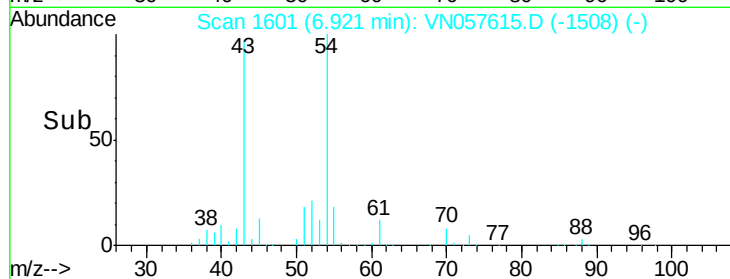
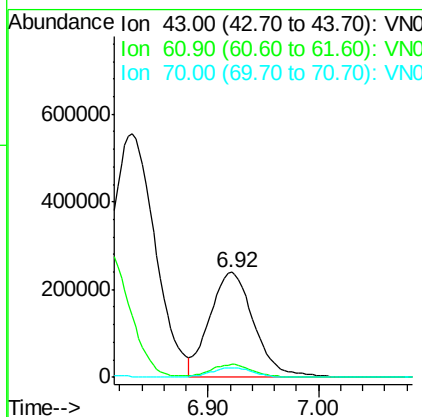
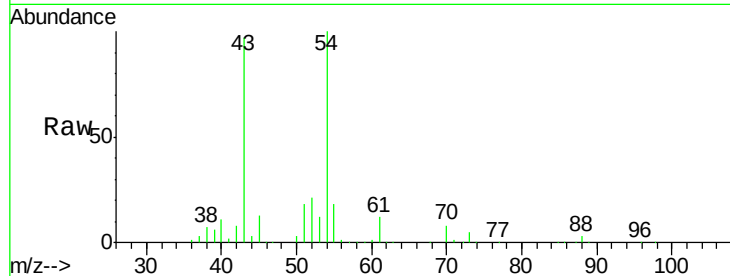
#37
Ethyl Acetate
Concen: 184.754 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.1	15.1
70	8.9	6.8	10.2

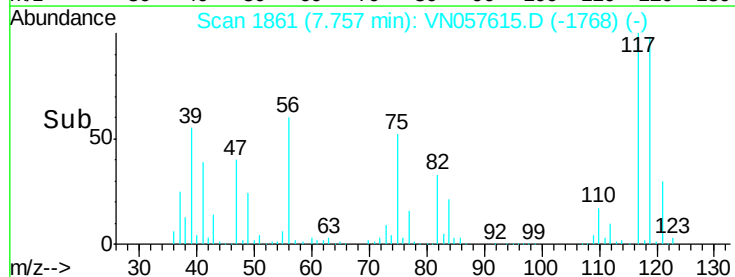
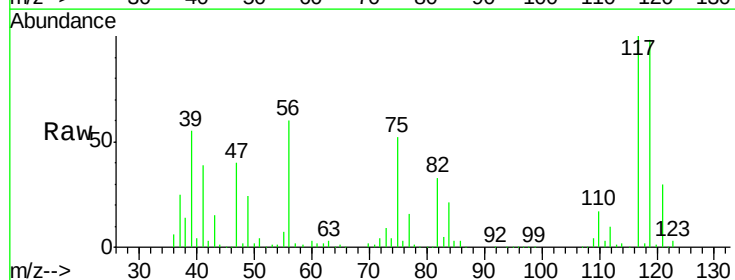
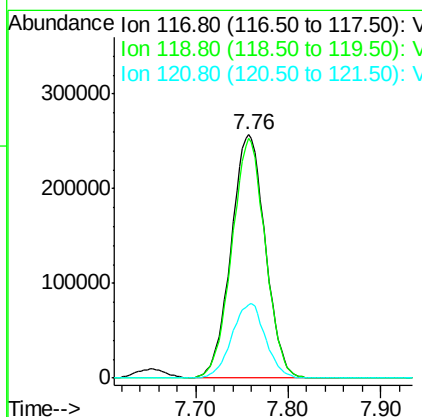
Manual Integrations
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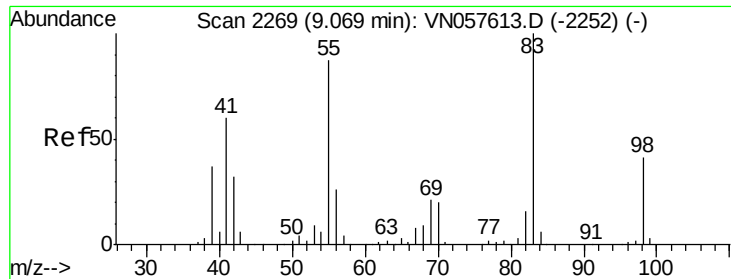
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#38
Carbon Tetrachloride
Concen: 185.847 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	80.6	120.8
121	30.4	25.1	37.7





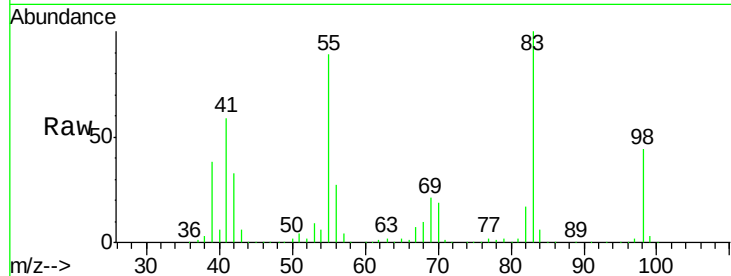
#39
Methylvlcyclohexane
Concen: 186.007 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	797983
Ion Ratio	100	Lower	Upper
83	100		
55	88.5	69.8	104.8
98	43.7	32.7	49.1

Manual Integrations
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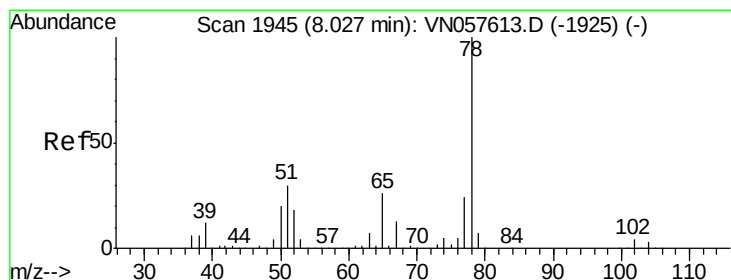
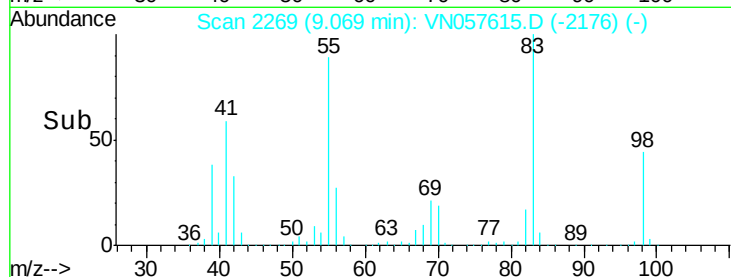
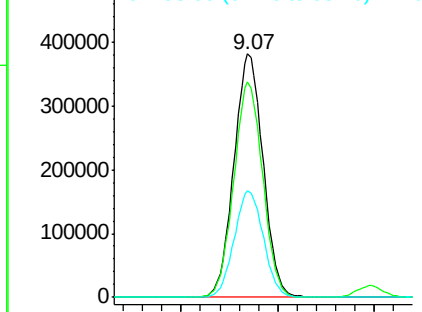


Abundance

Ion 83.00 (82.70 to 83.70): VN0

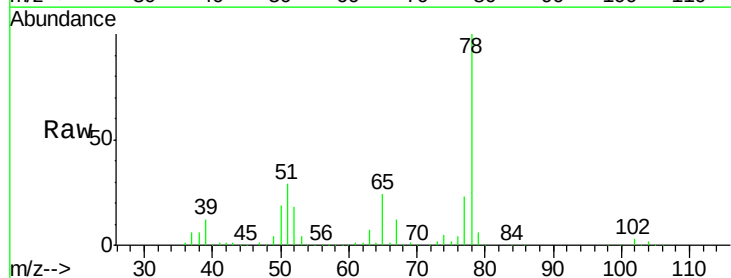
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 179.246 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

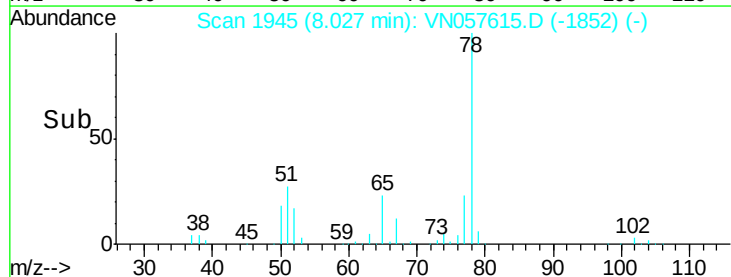
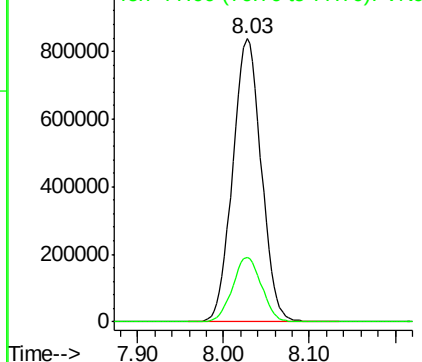
Tgt Ion	78	Resp	1935023
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	19.1	28.7

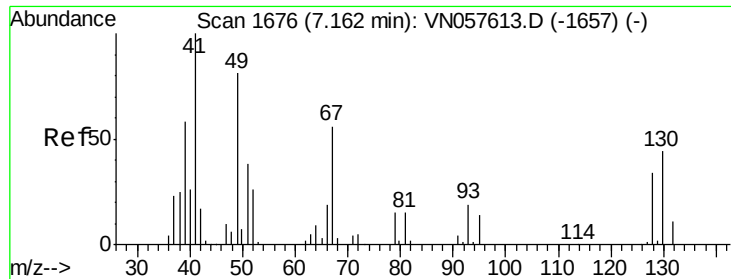


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





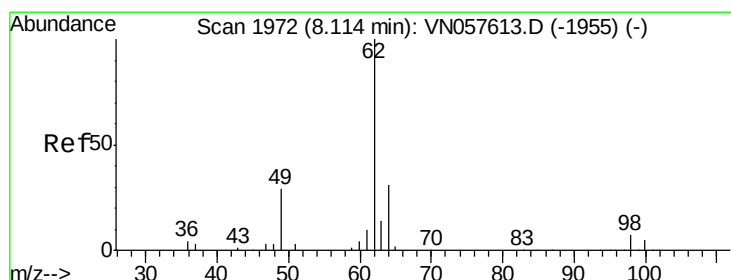
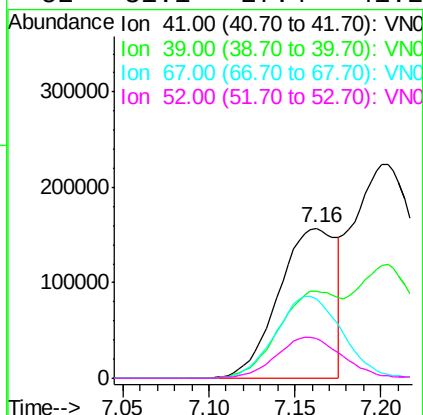
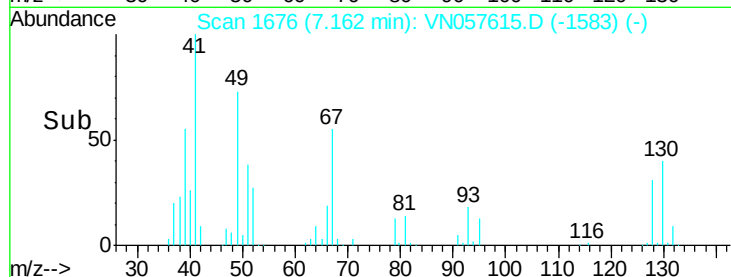
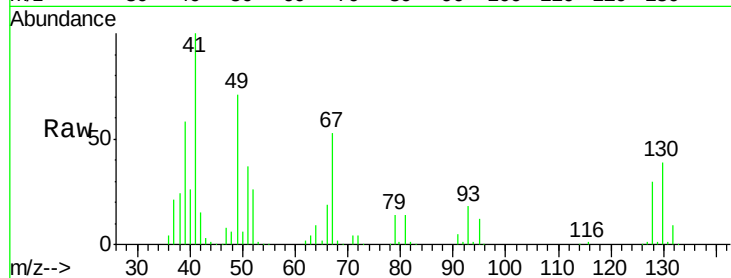
#41
Methacrylonitrile
Concen: 211.417 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	365025
Ion Ratio	Lower	Upper	
41	100		
39	62.1	50.6	75.8
67	63.4	56.9	85.3
52	31.1	27.4	41.2

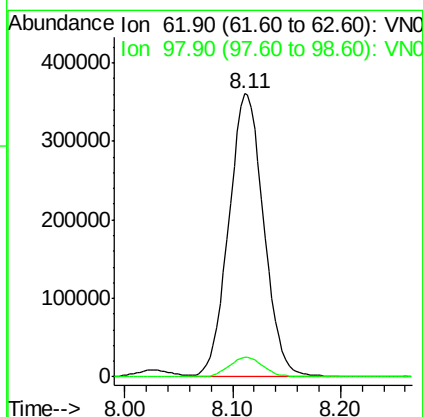
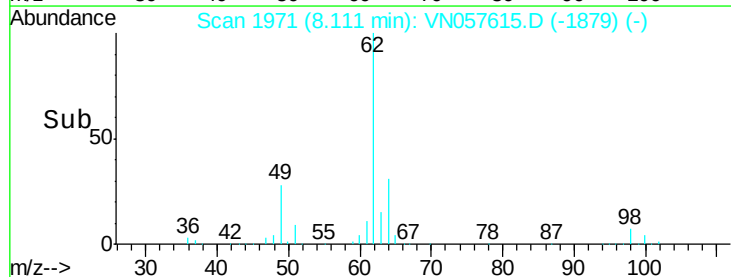
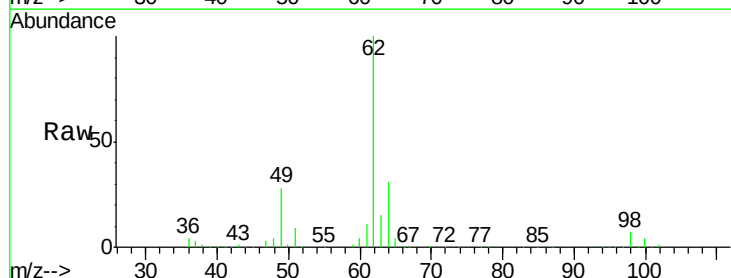
Manual Integrations
APPROVED

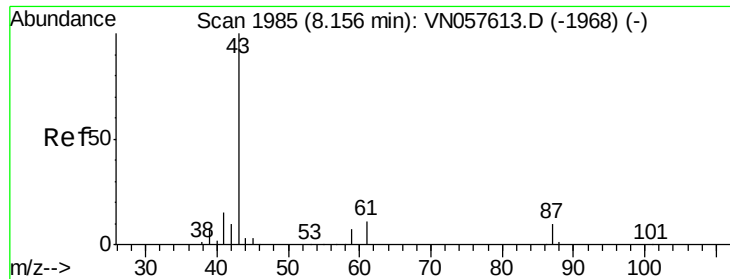
MMDadoda
9/3/2019 11:52:06 AM



#42
1,2-Dichloroethane
Concen: 192.580 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	62	Resp	812194
Ion Ratio	Lower	Upper	
62	100		
98	6.9	0.0	14.0





#43

Isopropyl Acetate

Concen: 185.763 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1209975

Ion Ratio Lower Upper

43 100

61 15.9 13.1 19.7

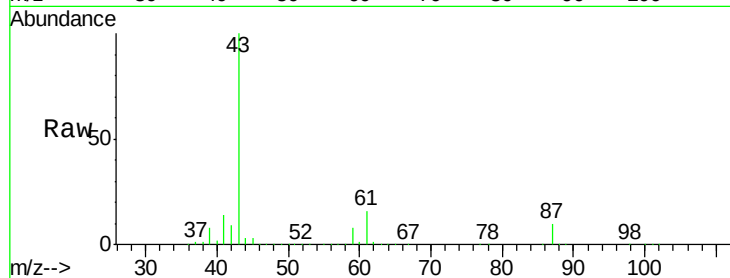
87 10.1 8.1 12.1

Manual Integrations

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MMDadoda

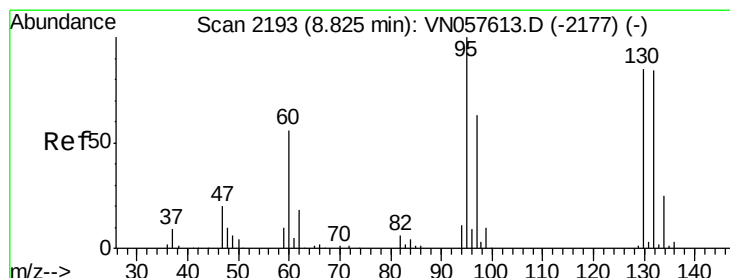
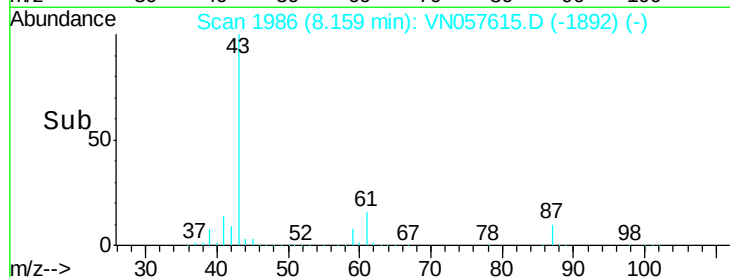
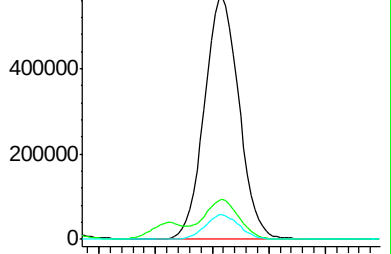
9/3/2019 11:52:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057613.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057613.D (-1968) (-)



#44

Trichloroethene

Concen: 187.095 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057615.D

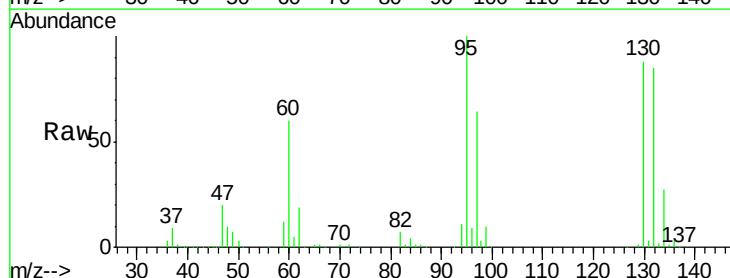
Acq: 31 Aug 2019 14:52

Tgt Ion:130 Resp: 449164

Ion Ratio Lower Upper

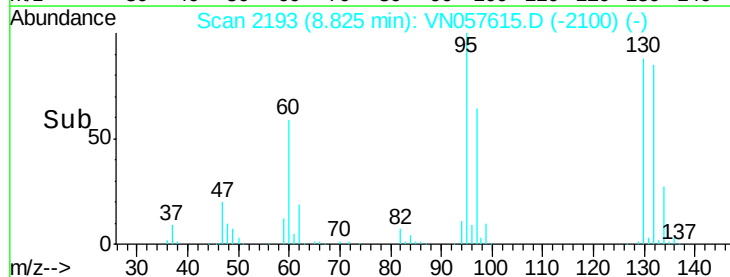
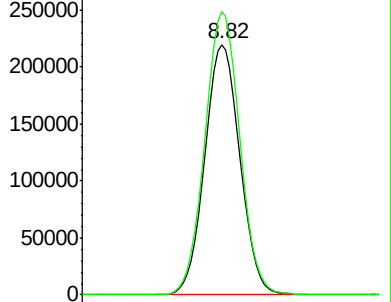
130 100

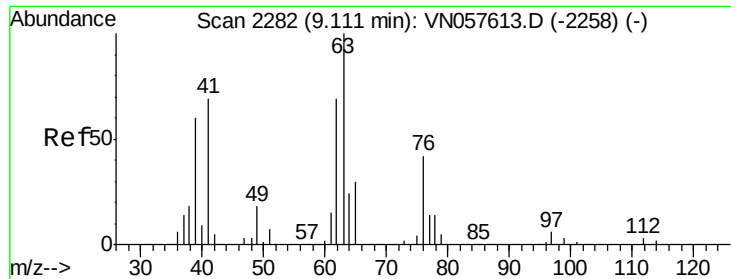
95 113.1 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057613.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057613.D (-2177) (-)





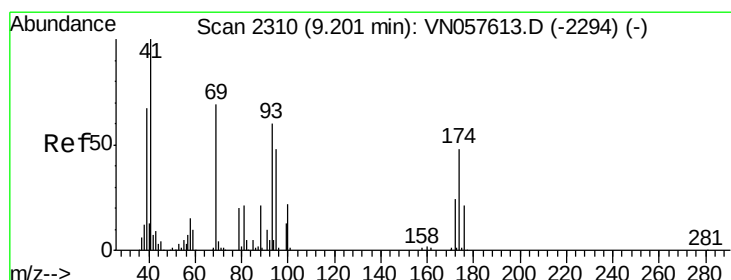
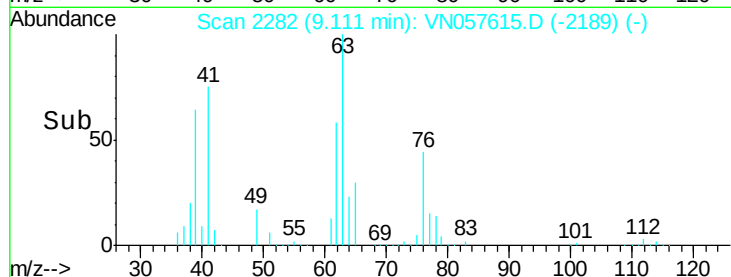
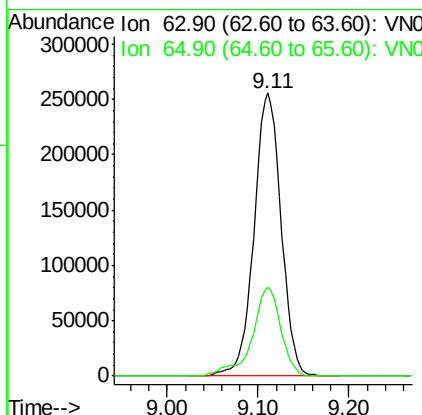
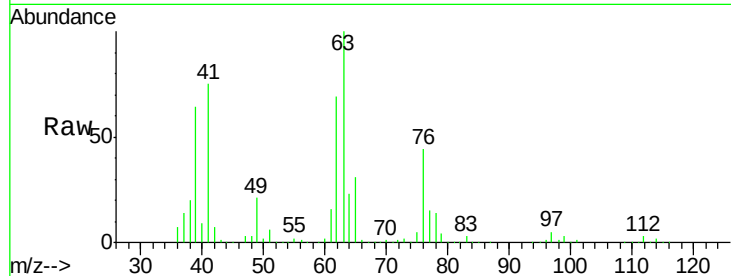
#45
 1,2-Dichloropropane
 Concen: 174.006 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.4	36.6

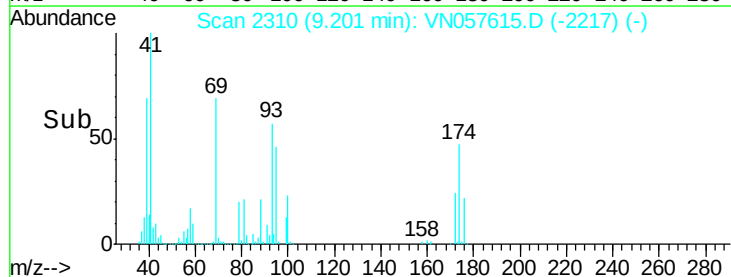
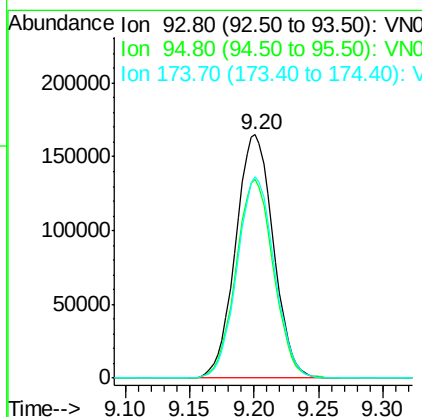
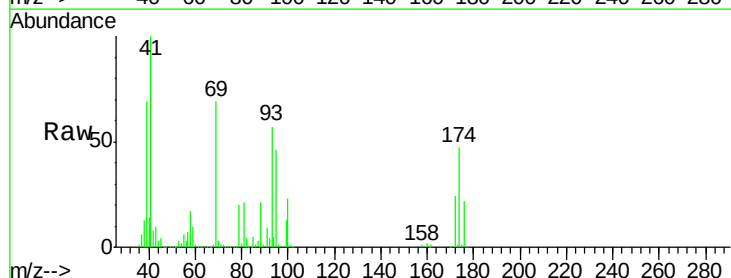
Manual Integrations
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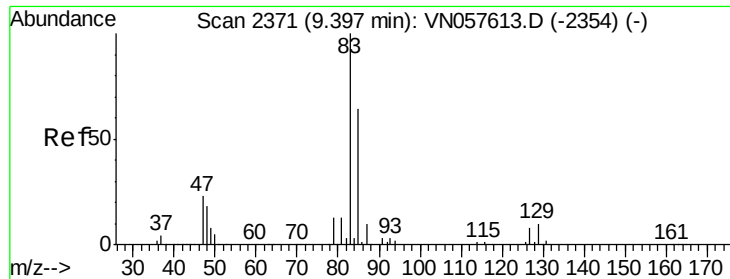
MMDadoda
 9/3/2019 11:52:06 AM



#46
 Dibromomethane
 Concen: 174.231 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.8	98.6
174	81.6	64.2	96.2





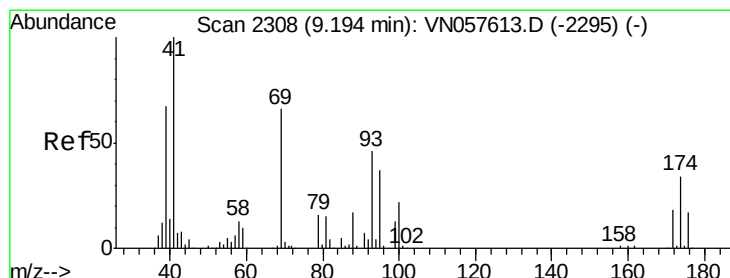
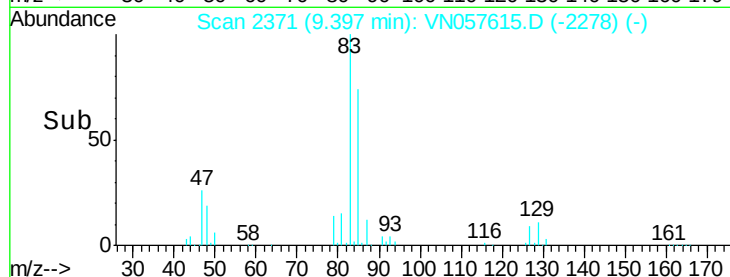
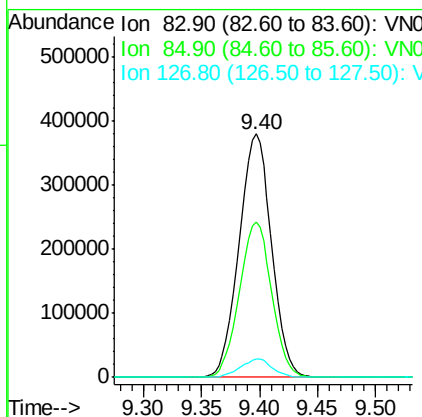
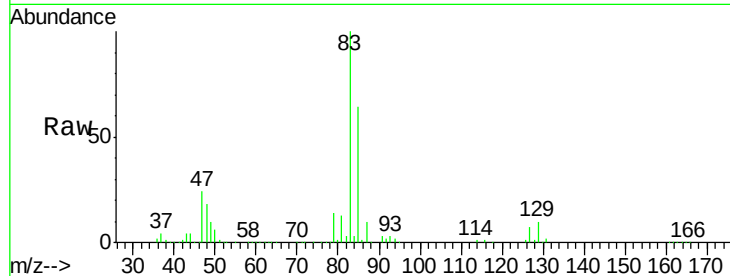
#47
Bromodichloromethane
Concen: 184.909 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	739543
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	64.0		
127	7.4		

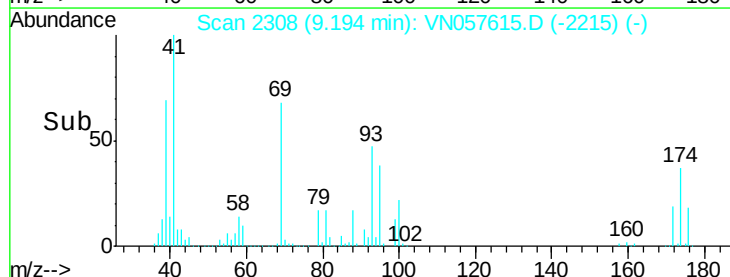
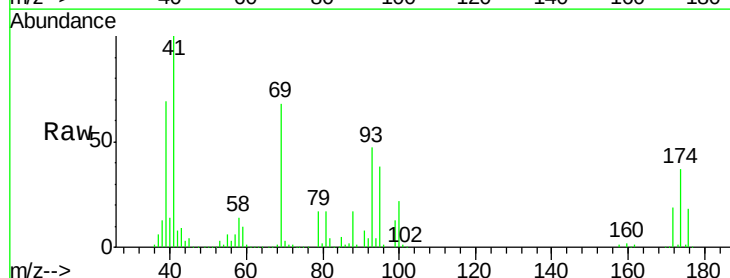
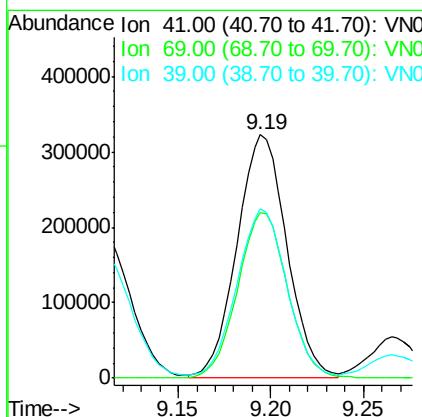
Manual Integrations
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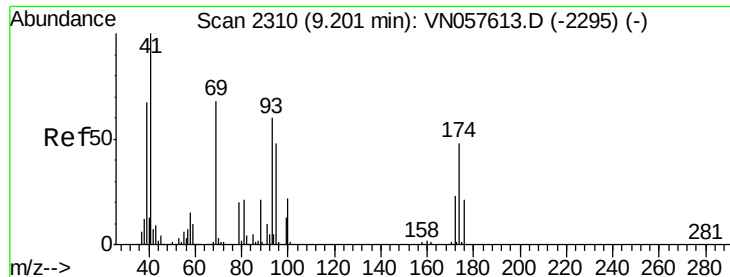
MMDadoda
9/3/2019 11:52:06 AM



#48
Methyl methacrylate
Concen: 192.466 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	41	Resp	602687
Ion Ratio	100		
Lower	55.1		
Upper	82.7		
69	68.4		
39	70.0		





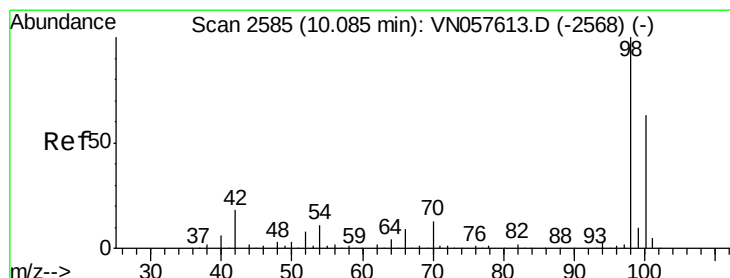
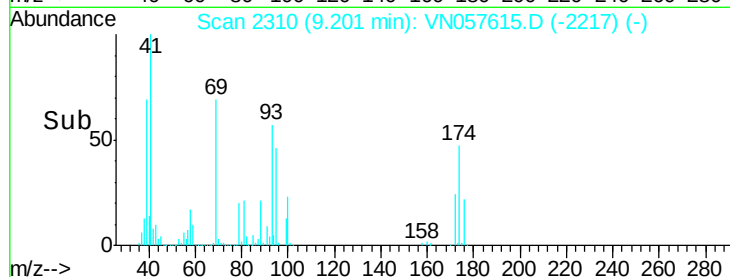
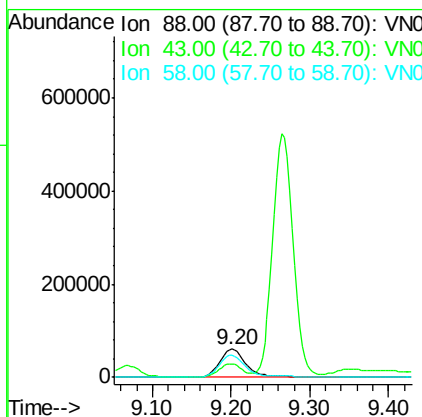
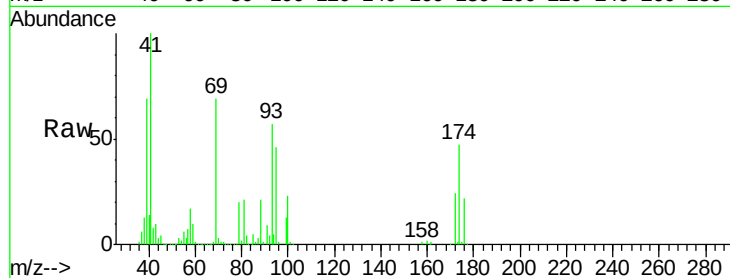
#49
1,4-Dioxane
Concen: 3650.735 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	35.0	52.4
58	76.3	61.6	92.4

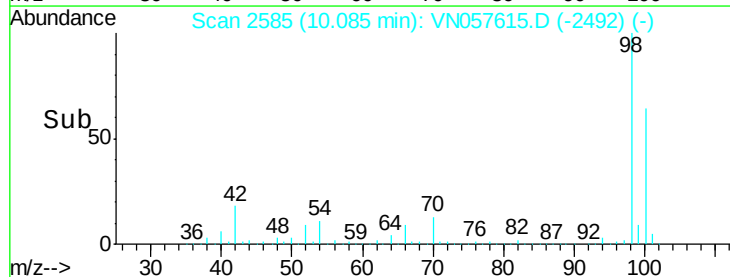
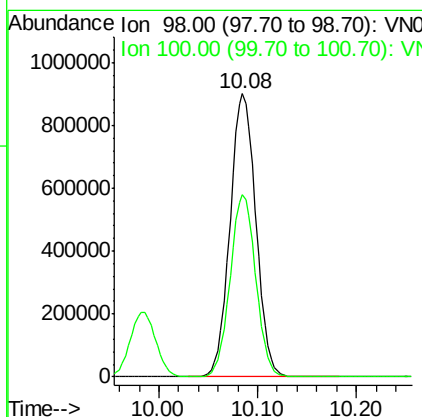
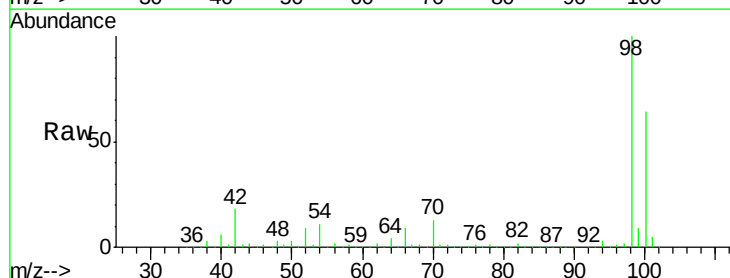
Manual Integrations
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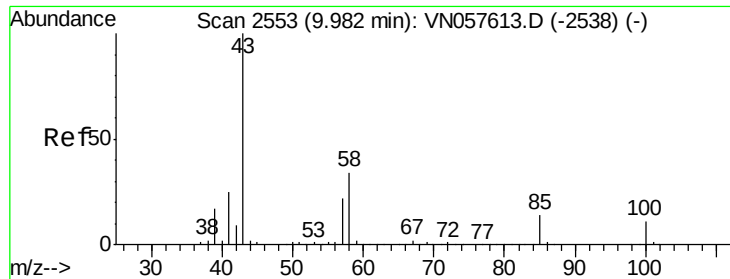
MMDadoda
9/3/2019 11:52:06 AM



#50
Toluene-d8
Concen: 181.531 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 857.999 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3147083

Ion Ratio Lower Upper

43 100

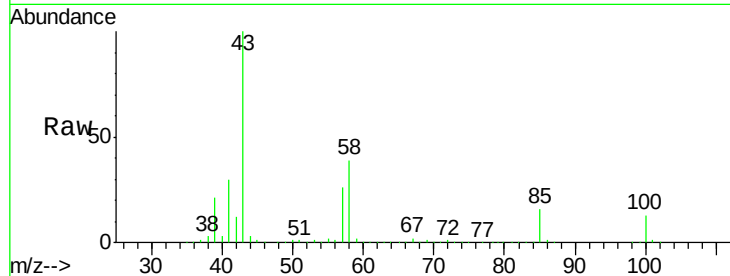
58 36.3 26.9 40.3

Manual Integrations

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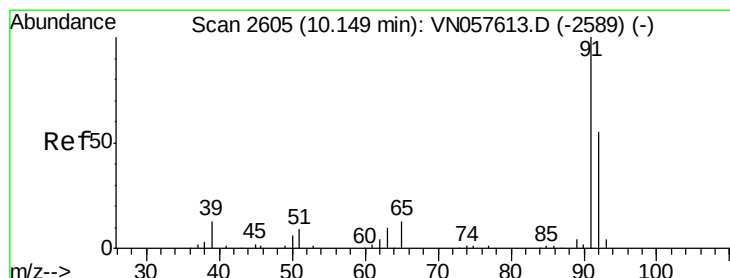
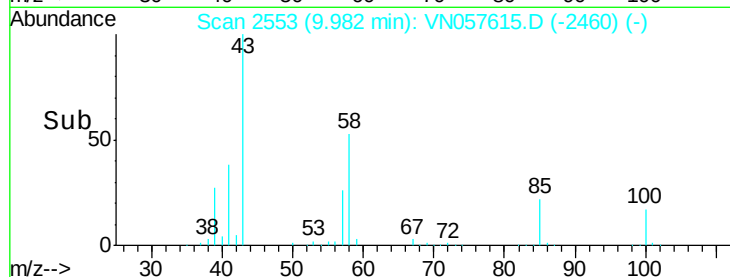
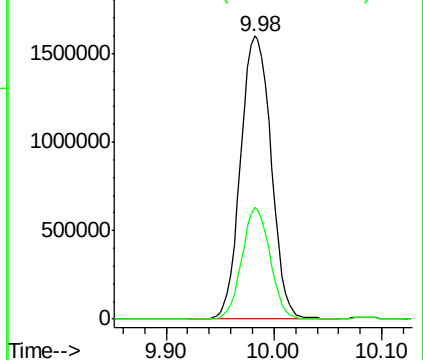
MMDadoda

9/3/2019 11:52:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 187.190 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057615.D

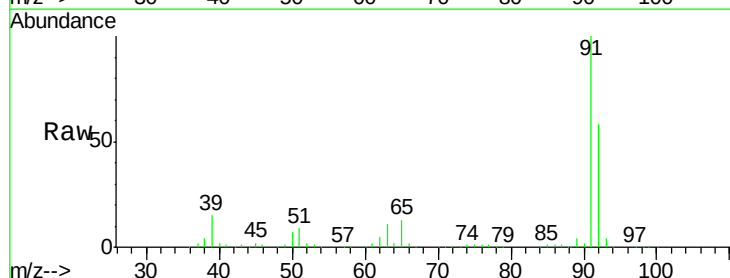
Acq: 31 Aug 2019 14:52

Tgt Ion: 92 Resp: 1170661

Ion Ratio Lower Upper

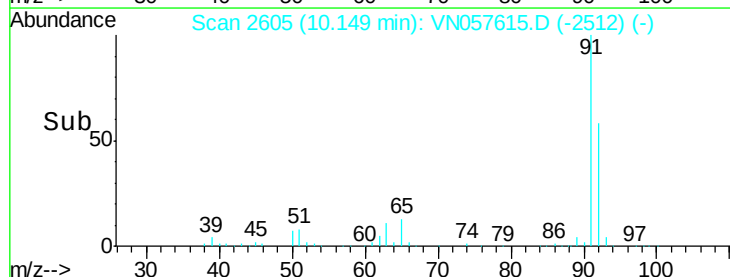
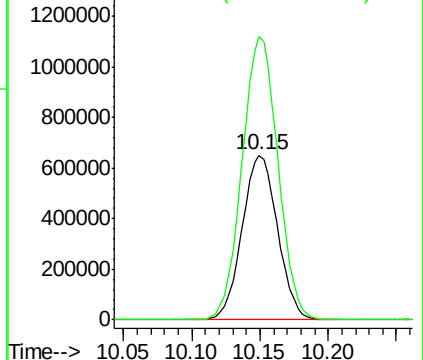
92 100

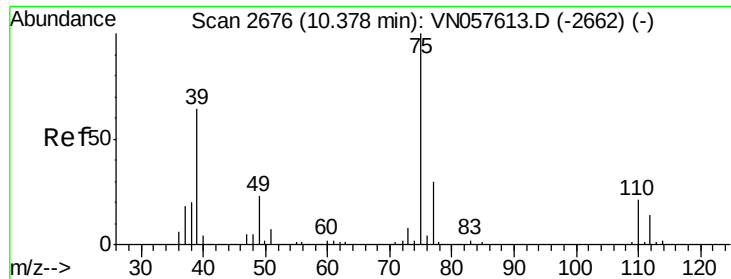
91 174.3 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





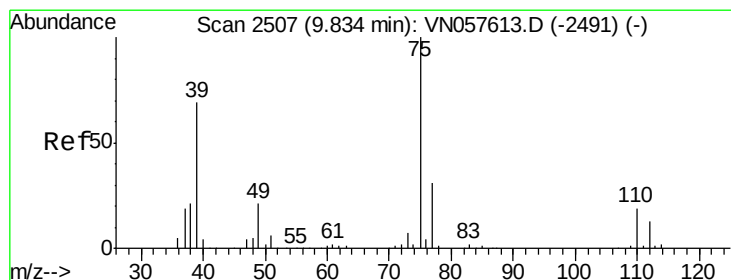
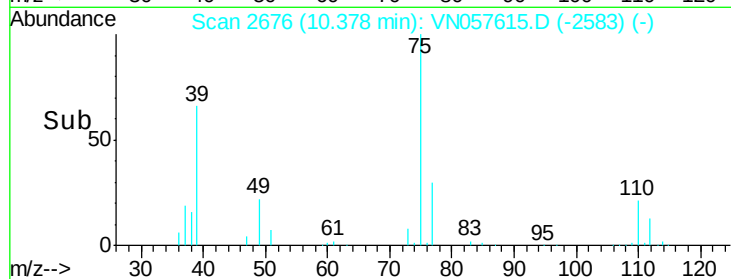
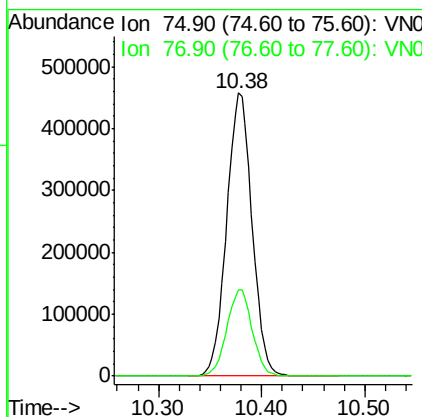
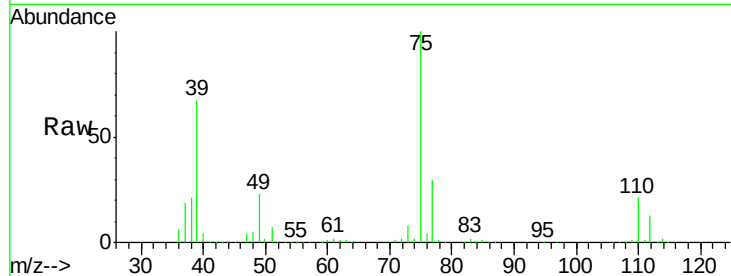
#53
 t-1,3-Dichloropropene
 Concen: 188.849 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 787143
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.1 36.1

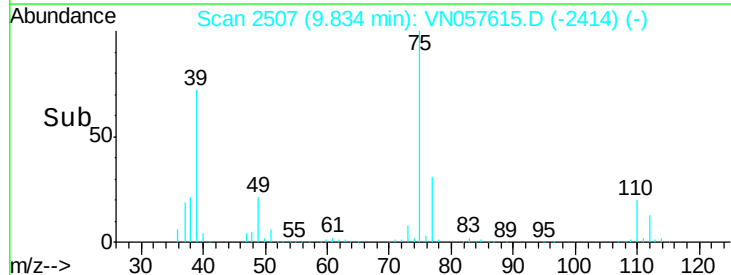
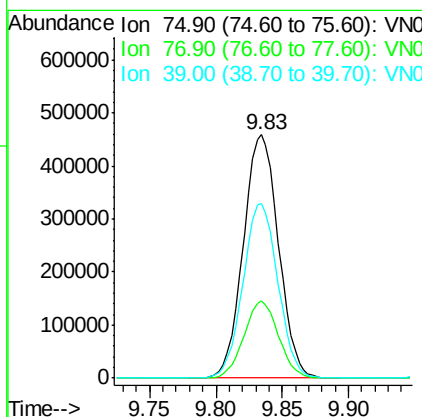
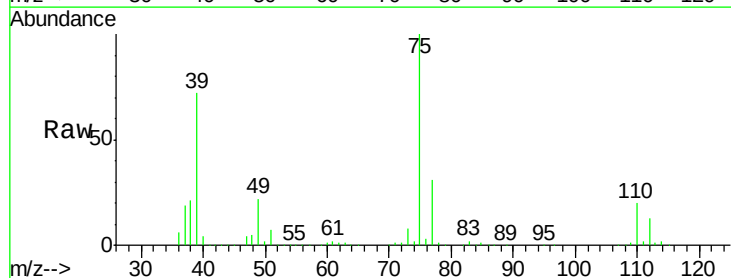
Manual Integrations
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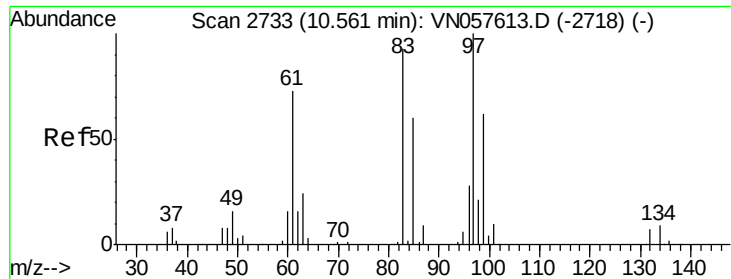
MMDadoda
 9/3/2019 11:52:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 181.507 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion: 75 Resp: 844118
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.8 37.2
 39 71.8 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 178.091 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

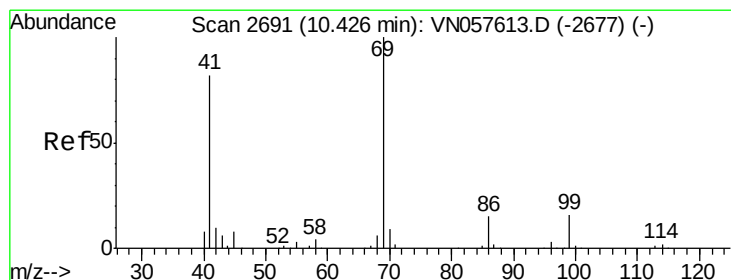
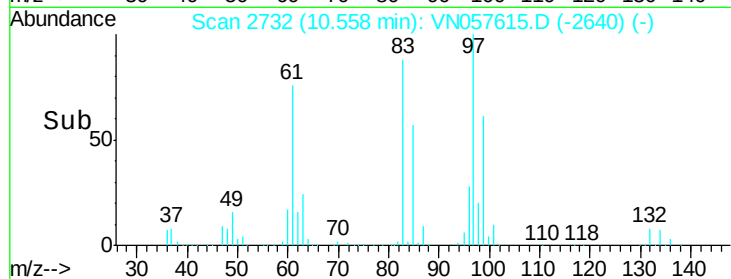
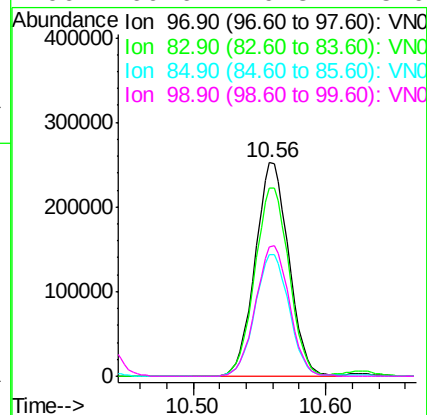
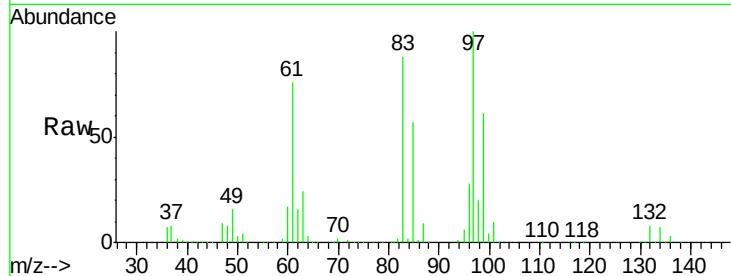
ClientSampled :

VSTDIC150

Tot Ion:	97	Resp:	447104
Ion	Ratio	Lower	Upper
97	100		
83	88.4	74.2	111.2
85	56.8	47.8	71.8
99	60.6	49.3	73.9

Manual Integrations
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9/3/2019 11:52:06 AM



#56

Ethyl methacrylate

Concen: 193.873 ug/l

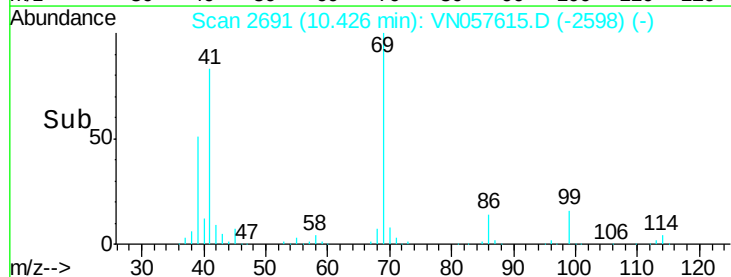
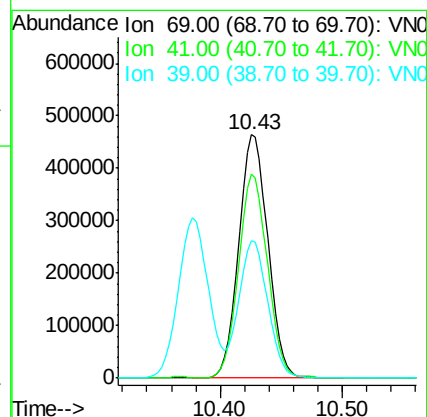
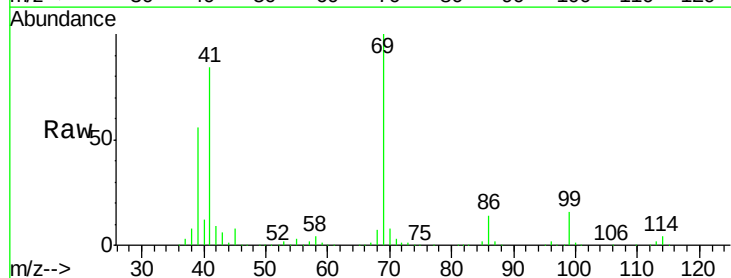
RT: 10.43 min Scan# 2691

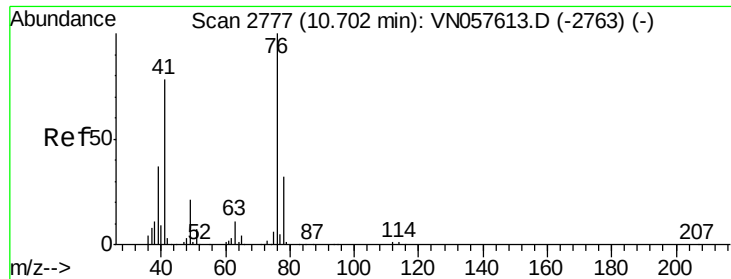
Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion:	69	Resp:	768542
Ion	Ratio	Lower	Upper
69	100		
41	82.4	65.8	98.6
39	55.6	43.8	65.8





#57

1,3-Dichloropropane

Concen: 184.249 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 809981

Ion Ratio Lower Upper

76 100

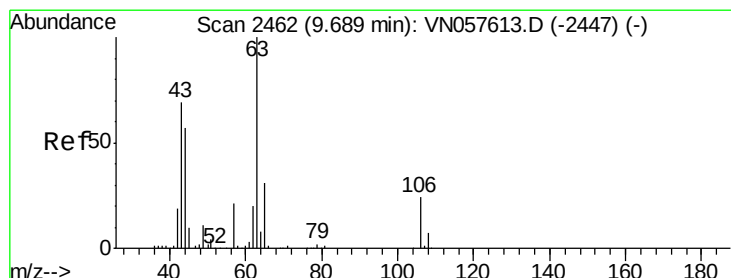
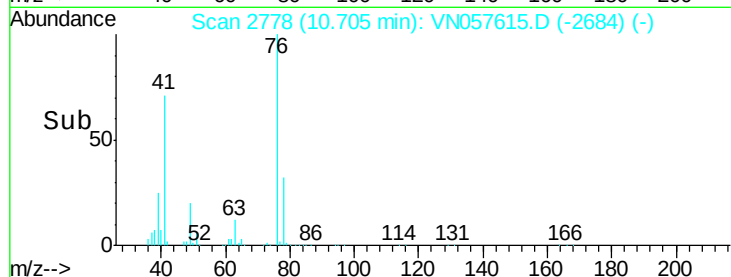
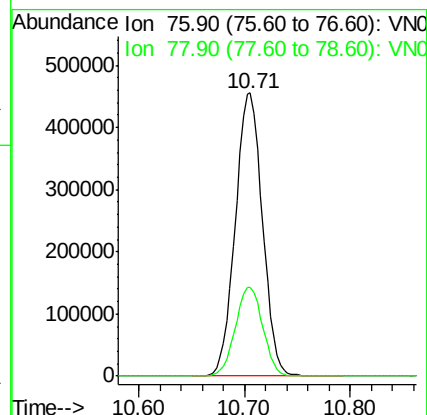
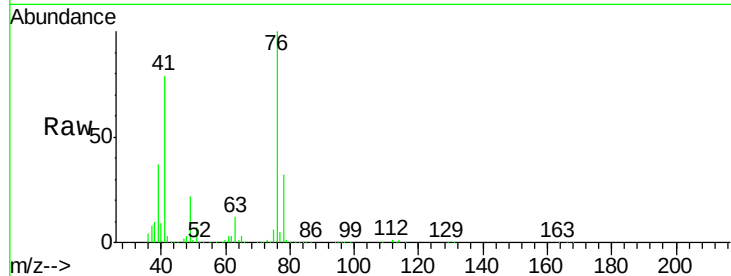
78 31.9 25.4 38.2

Manual Integrations

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9/3/2019 11:52:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 1226.360 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057615.D

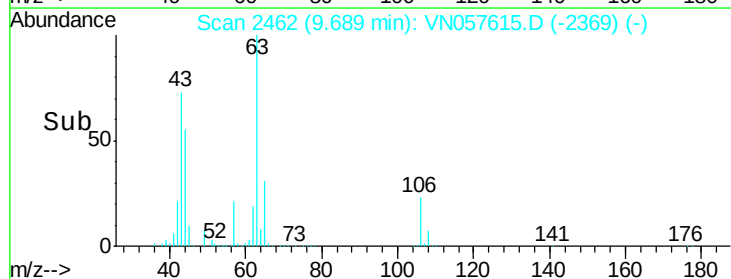
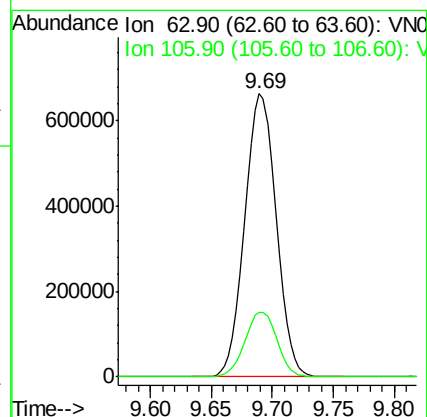
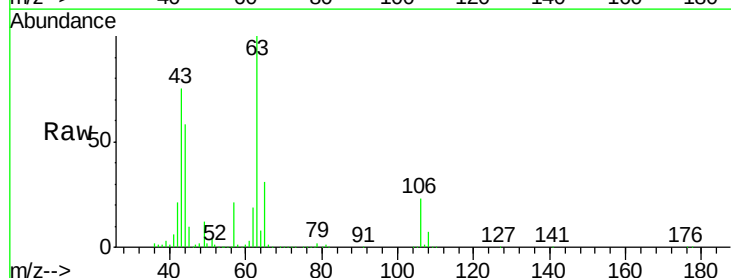
Acq: 31 Aug 2019 14:52

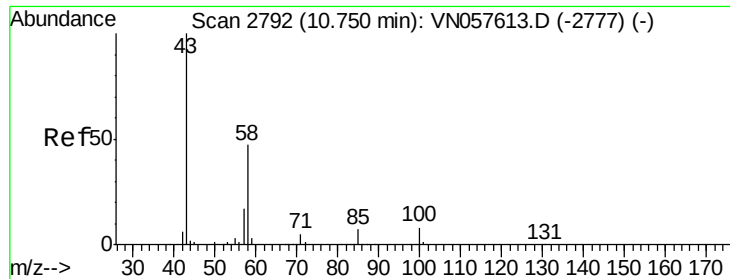
Tgt Ion: 63 Resp: 1180088

Ion Ratio Lower Upper

63 100

106 23.3 18.3 27.5





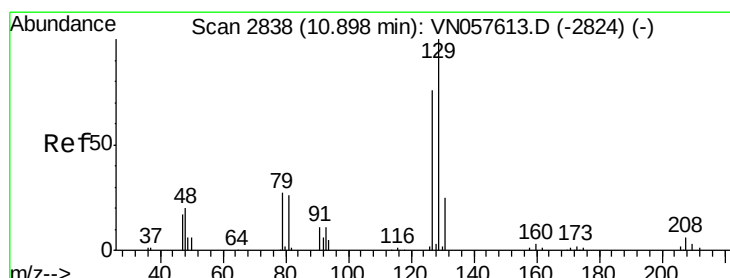
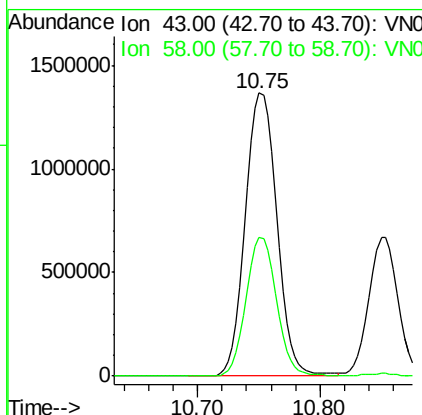
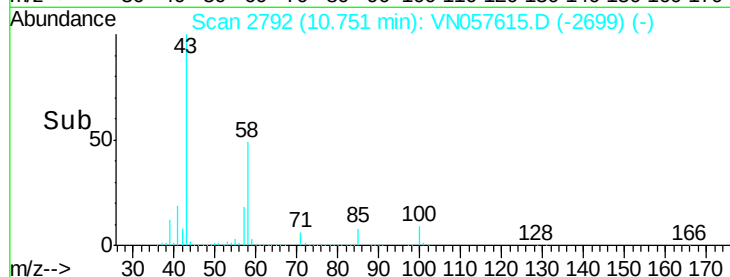
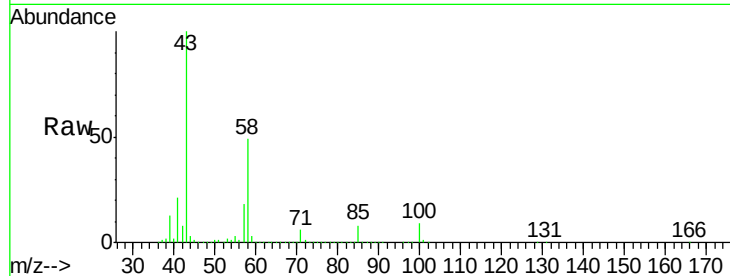
#59
2-Hexanone
Concen: 963.046 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2436351
Ion Ratio Lower Upper
43 100
58 47.3 23.5 70.5

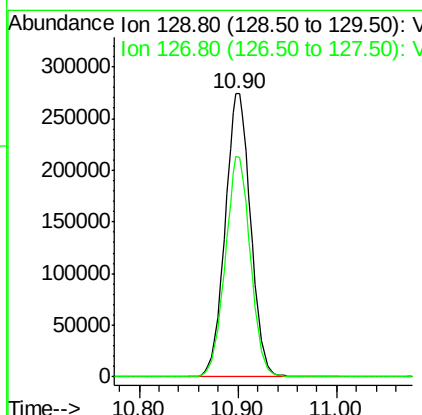
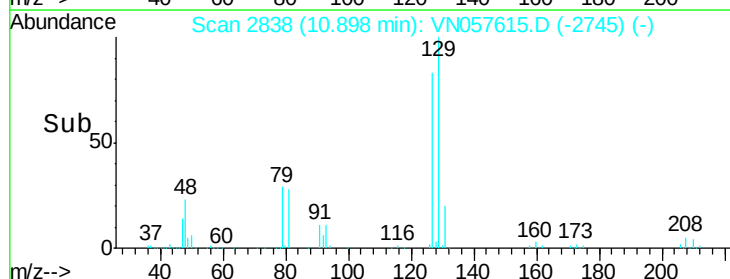
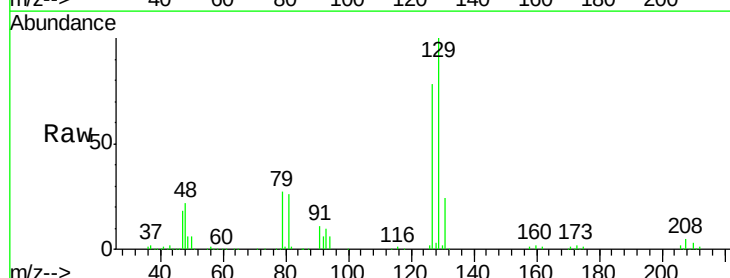
Manual Integrations
APPROVED

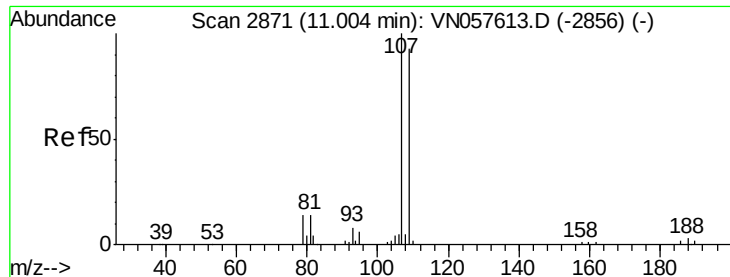
MMDadoda
9/3/2019 11:52:06 AM



#60
Dibromochloromethane
Concen: 189.331 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:129 Resp: 495558
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





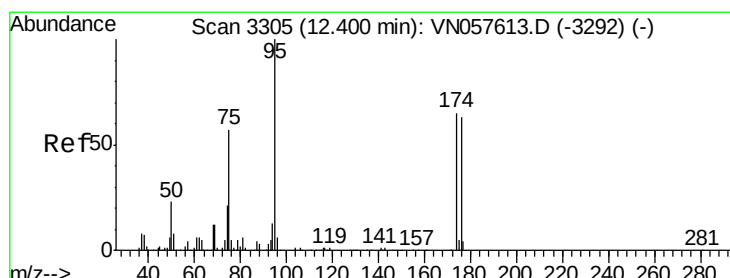
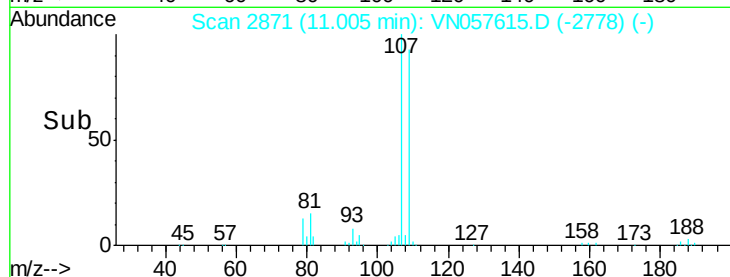
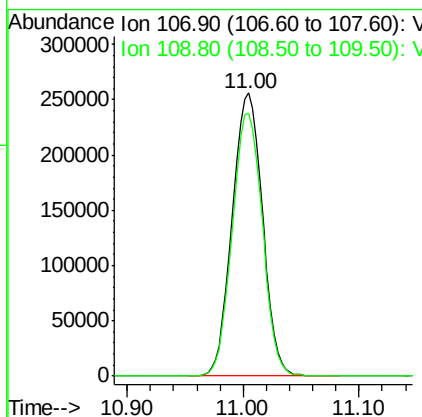
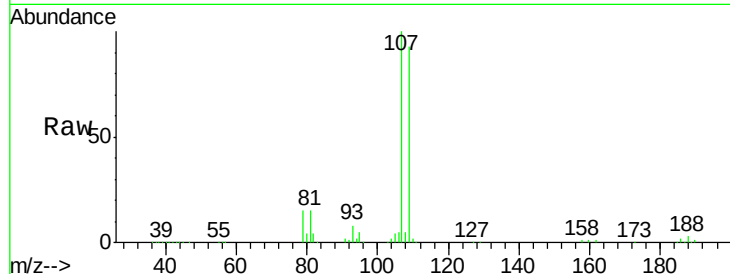
#61
 1,2-Dibromoethane
 Concen: 188.047 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.4

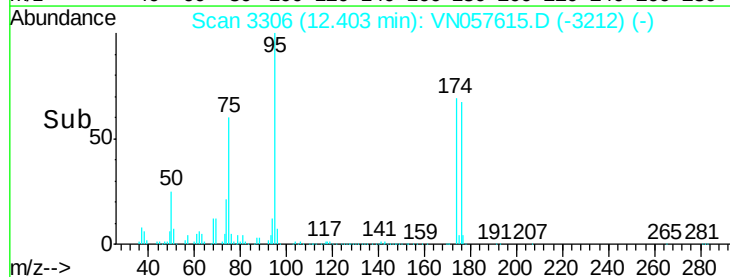
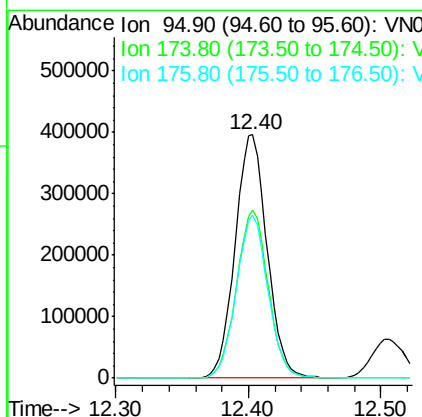
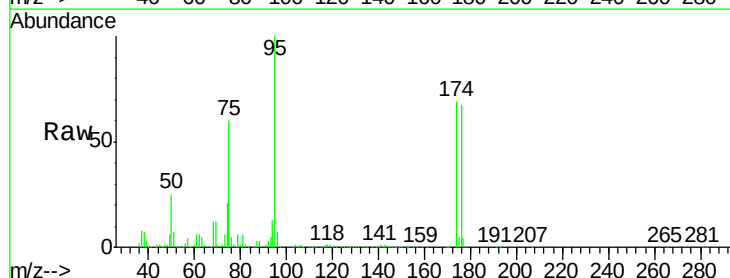
Manual Integrations
 APPROVED

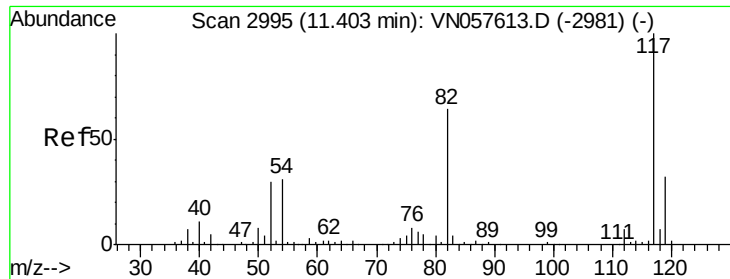
MMDadoda
 9/3/2019 11:52:06 AM



#62
 4-Bromofluorobenzene
 Concen: 211.990 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.7	0.0	134.8
176	66.4	0.0	131.6





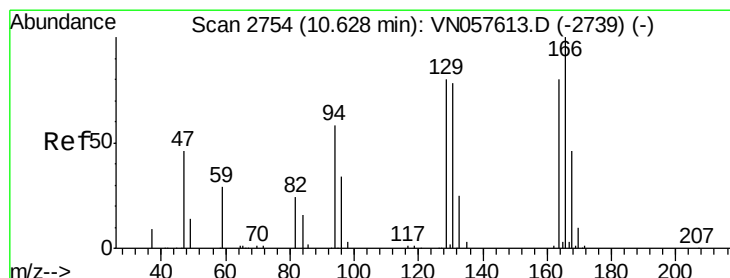
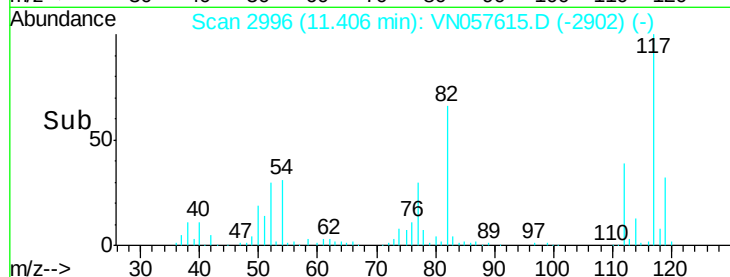
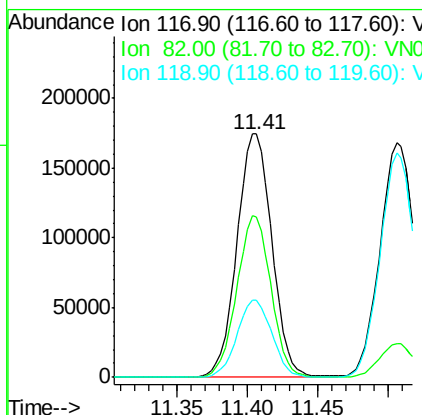
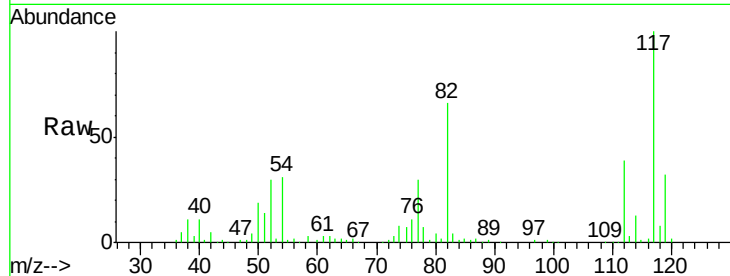
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.8	51.6	77.4
119	31.5	25.8	38.6

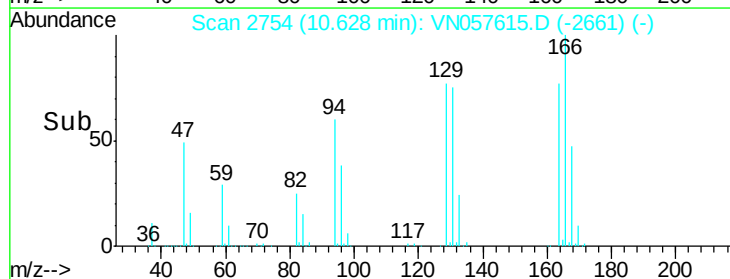
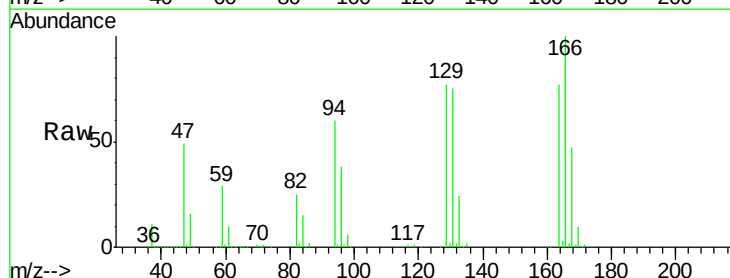
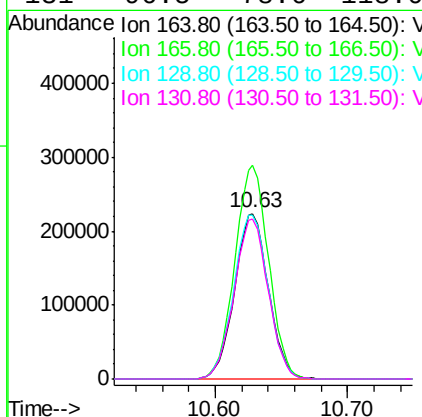
Manual Integrations
APPROVED

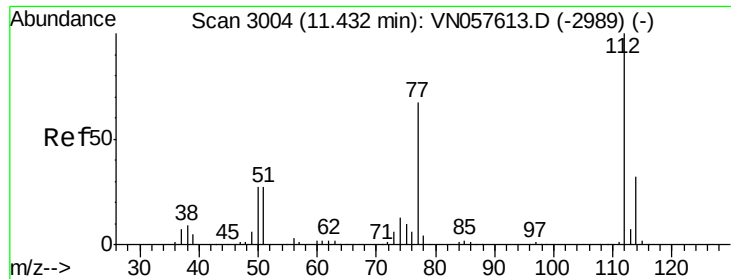
MMDadoda
9/3/2019 11:52:06 AM



#64
Tetrachloroethene
Concen: 175.850 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	100.6	151.0
129	99.1	80.4	120.6
131	96.5	78.6	118.0





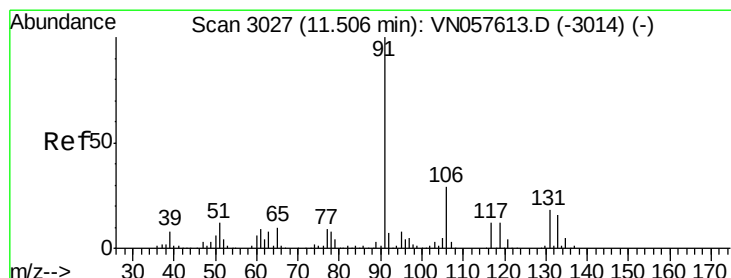
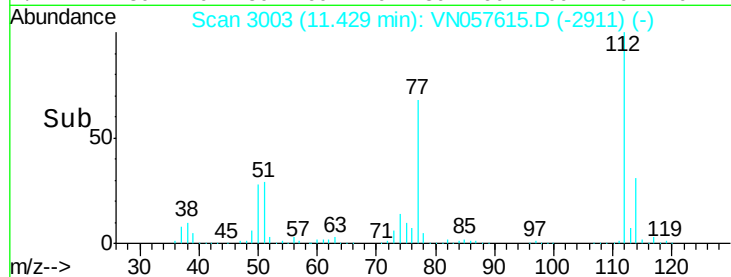
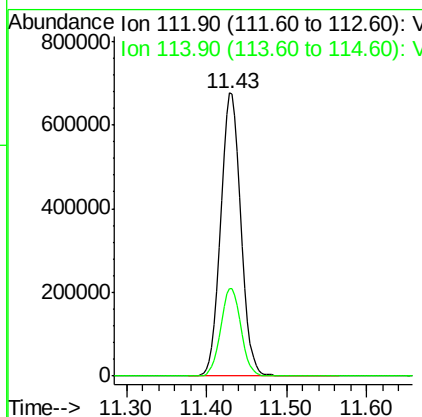
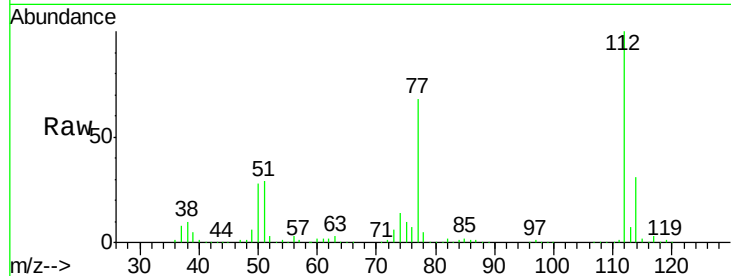
#65
Chlorobenzene
Concen: 182.106 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1182612
Ion Ratio Lower Upper
112 100
114 31.0 25.3 37.9

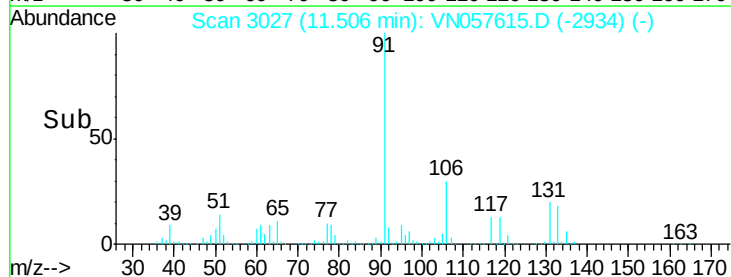
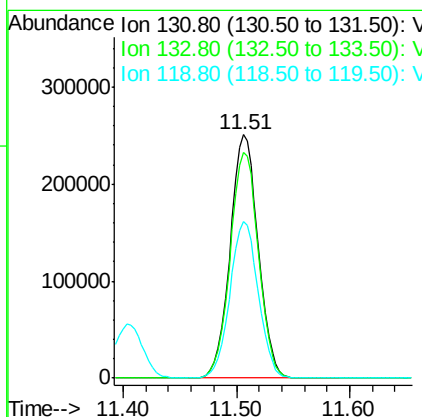
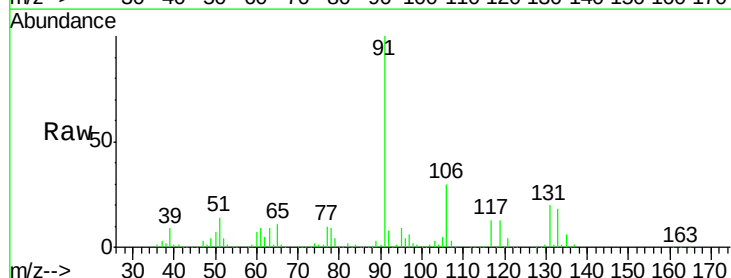
Manual Integrations
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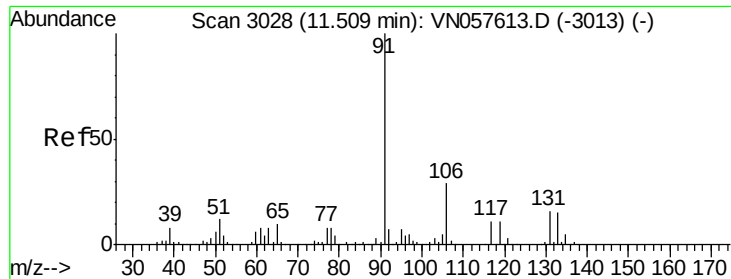
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 176.919 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:131 Resp: 432075
Ion Ratio Lower Upper
131 100
133 93.5 47.8 143.4
119 64.7 33.9 101.6





#67

Ethyl Benzene

Concen: 179.034 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2254014

Ion Ratio Lower Upper

91 100

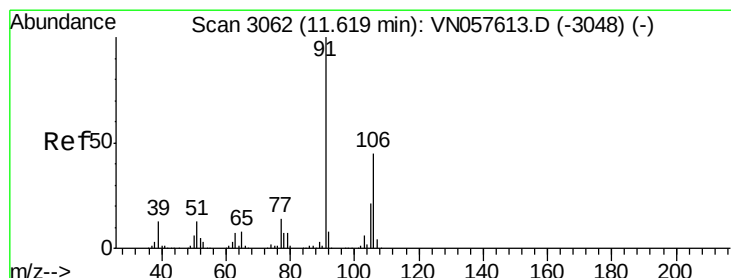
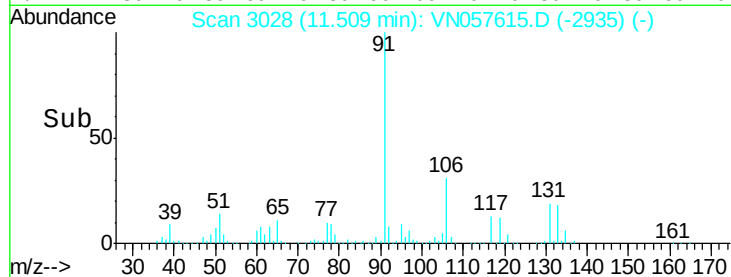
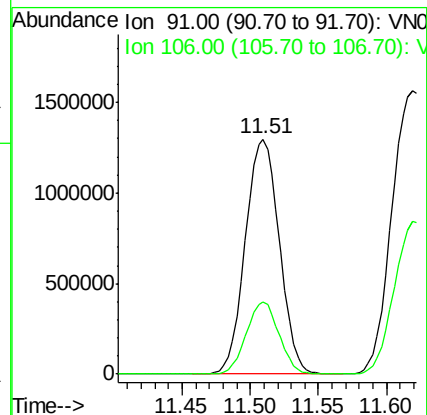
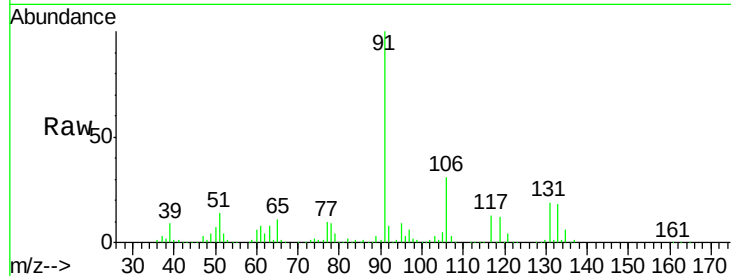
106 31.0 22.9 34.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 383.996 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057615.D

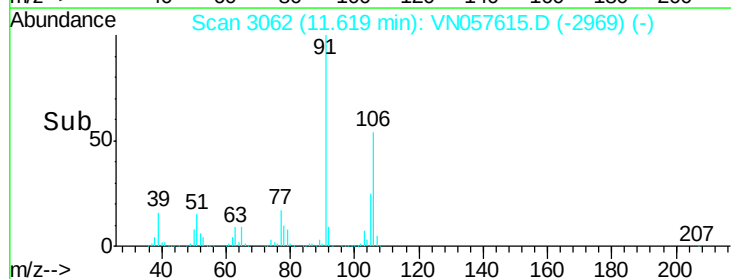
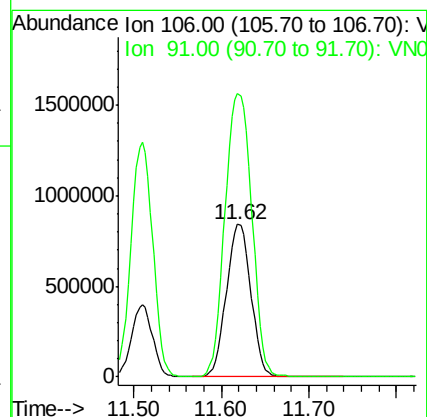
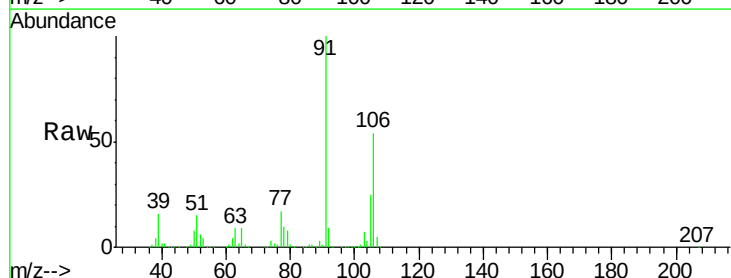
Acq: 31 Aug 2019 14:52

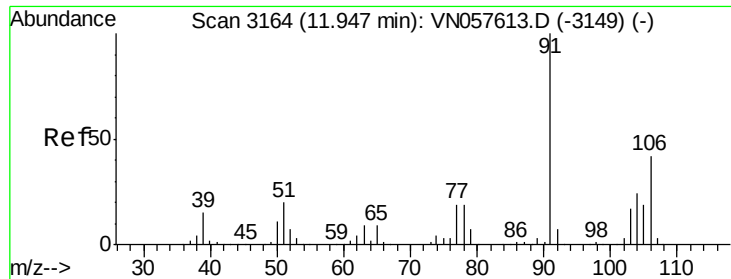
Tgt Ion: 106 Resp: 1643527

Ion Ratio Lower Upper

106 100

91 202.8 176.2 264.2





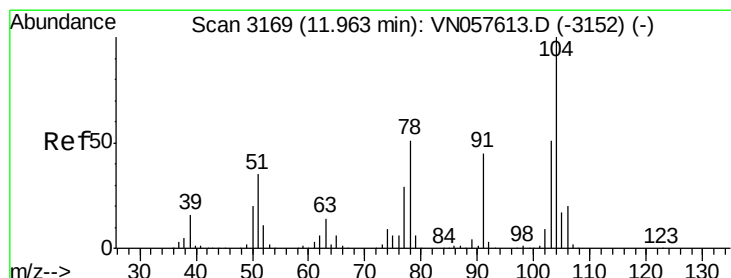
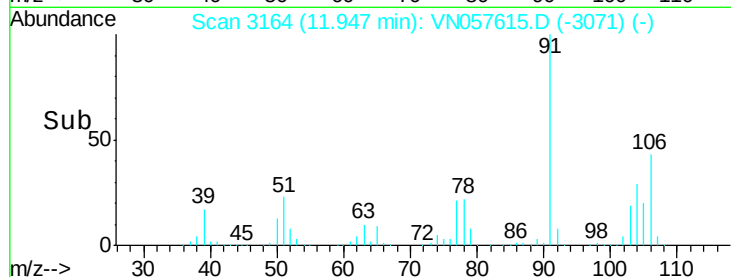
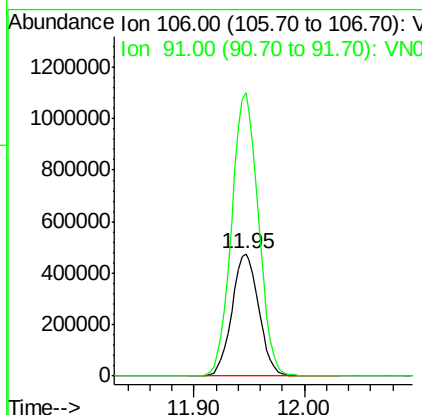
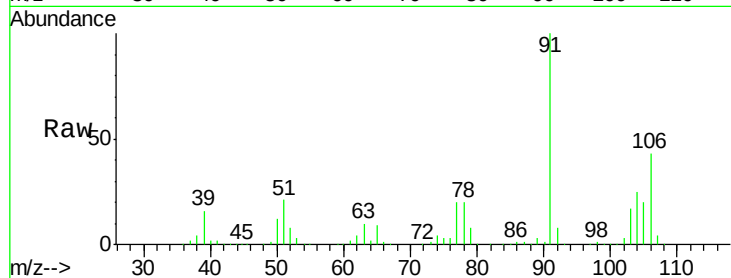
#69
o-Xylene
Concen: 189.203 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 799073
Ion Ratio Lower Upper
106 100
91 232.2 117.3 351.8

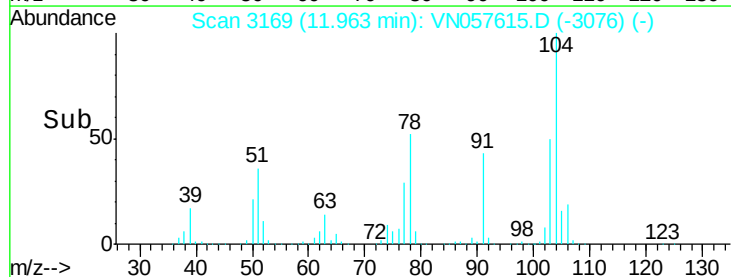
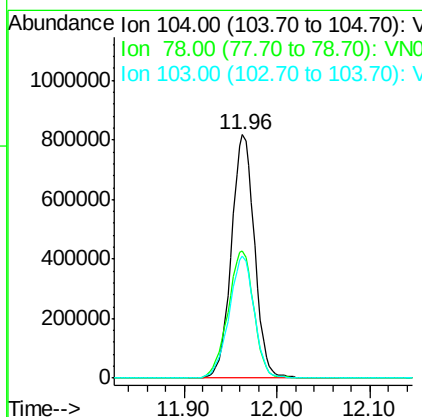
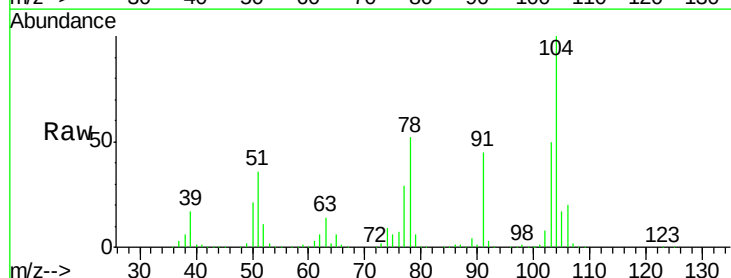
Manual Integrations
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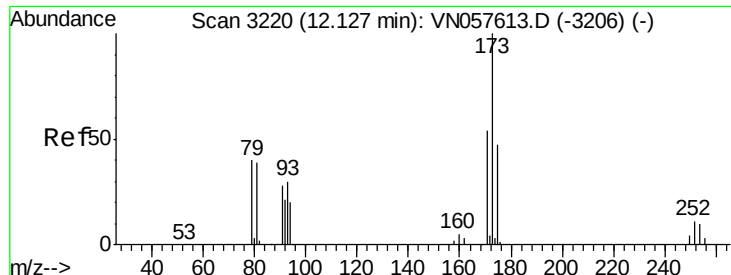
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#70
Styrene
Concen: 209.517 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:104 Resp: 1412084
Ion Ratio Lower Upper
104 100
78 58.5 46.6 70.0
103 54.4 44.7 67.1





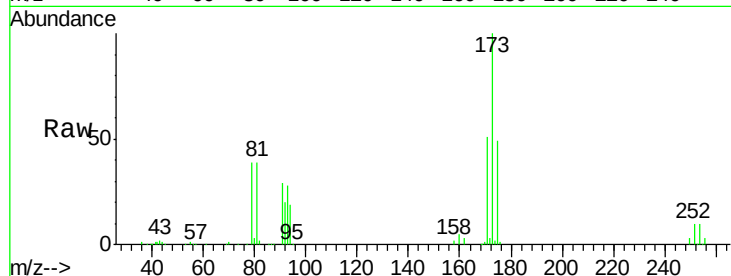
#71
Bromoform
Concen: 201.446 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.1	0.0	0.0#

Manual Integrations
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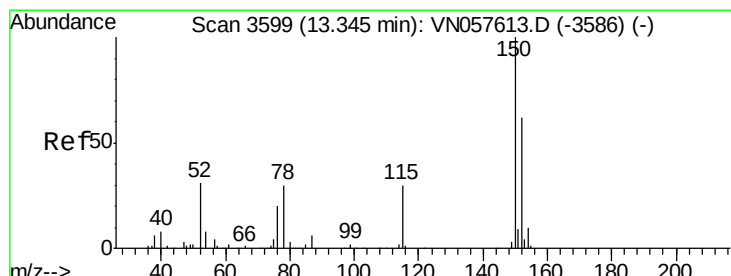
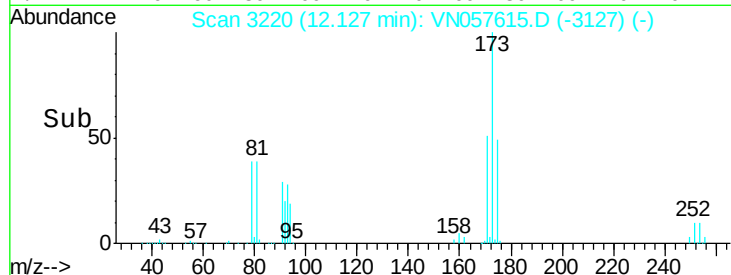
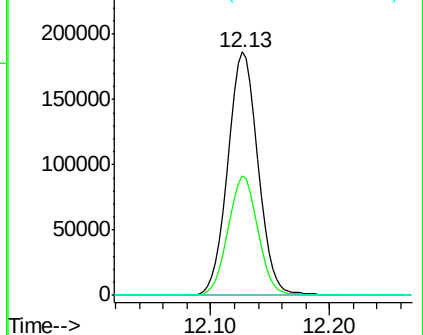


Abundance

Ion 172.70 (172.40 to 173.40): V

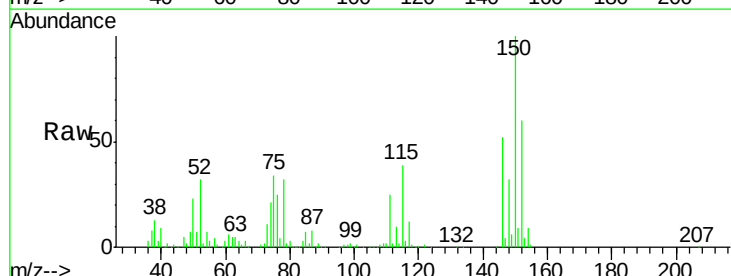
Ion 174.70 (174.40 to 175.40): V

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: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	33.2	99.6
150	210.4	0.0	365.2

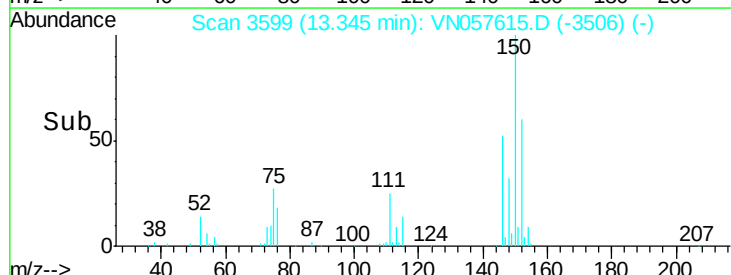
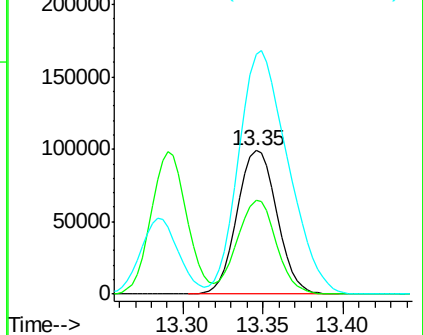


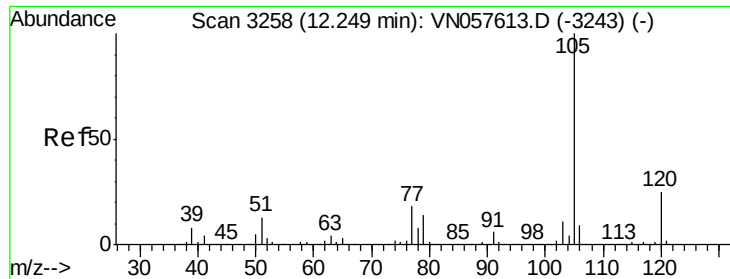
Abundance

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: 113.924 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2200948

Ion Ratio Lower Upper

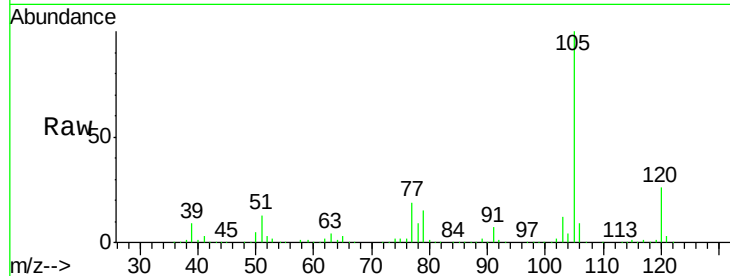
105 100

120 25.3 12.7 38.1

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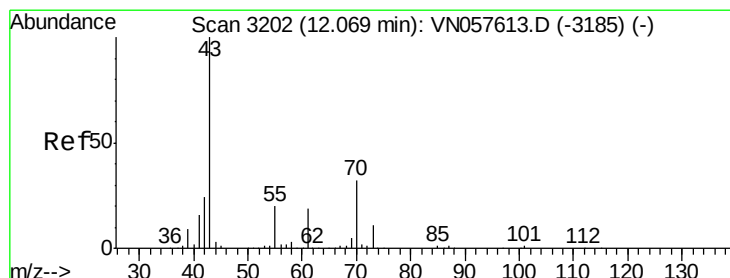
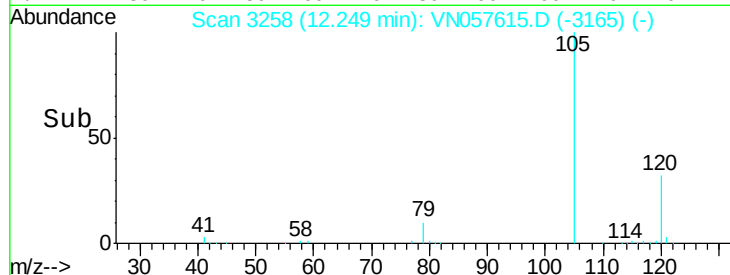
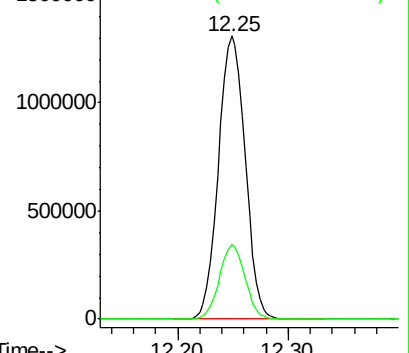
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 127.007 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion: 43 Resp: 1126613

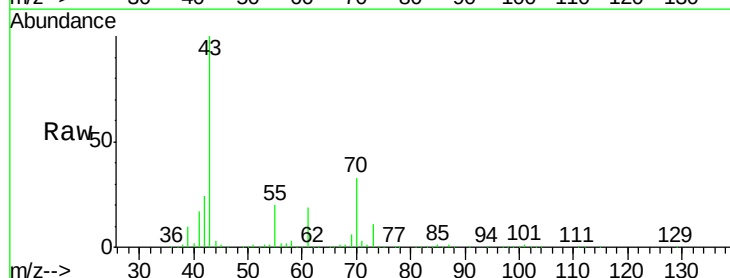
Ion Ratio Lower Upper

43 100

70 32.8 26.9 40.3

55 20.2 16.8 25.2

61 19.4 15.1 22.7

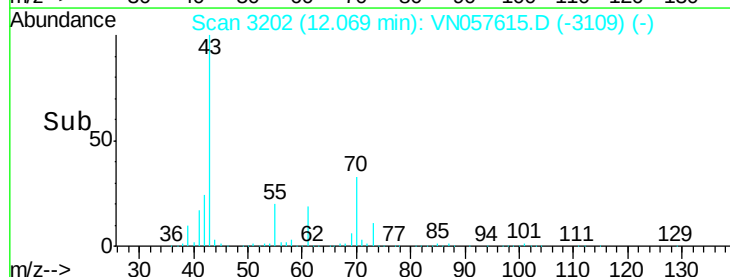
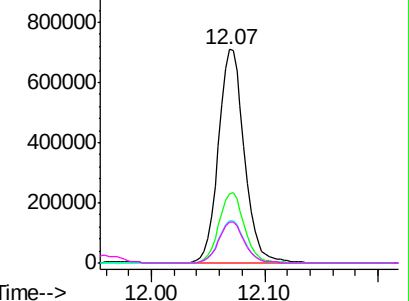


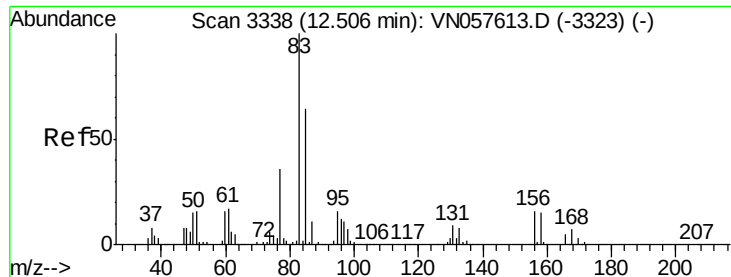
Abundance Ion 43.00 (42.70 to 43.70): V

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: 114.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 648267

Ion Ratio Lower Upper

83 100

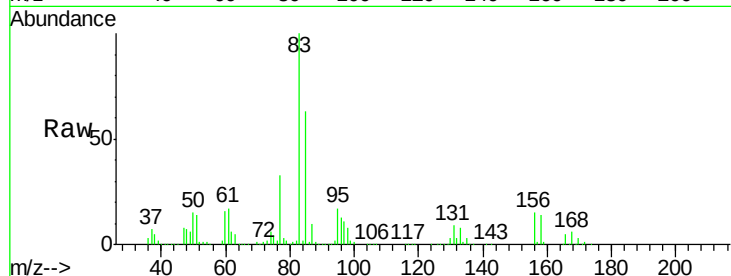
131 9.1 4.5 13.7

85 65.4 31.3 93.8

Manual Integrations
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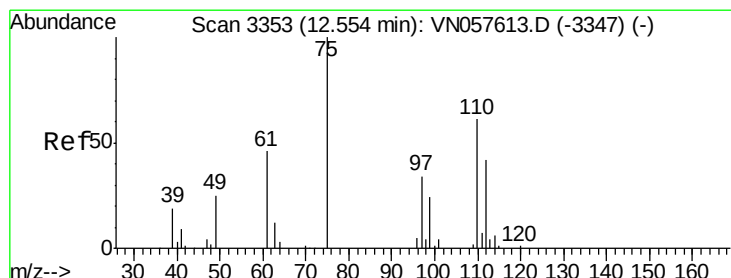
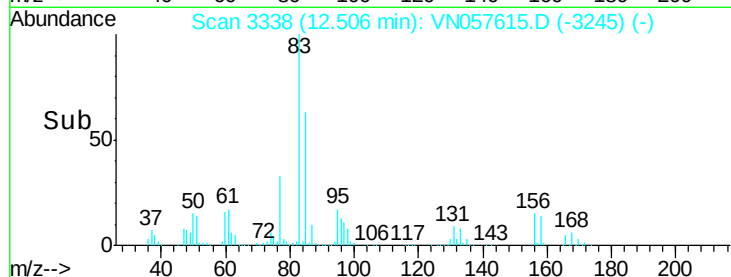


Abundance Ion 82.90 (82.60 to 83.60): VN057615.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN057615.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN057615.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 135.207 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057615.D

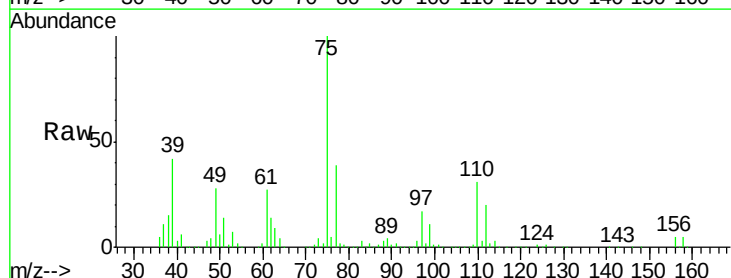
Acq: 31 Aug 2019 14:52

Tgt Ion: 75 Resp: 598927

Ion Ratio Lower Upper

75 100

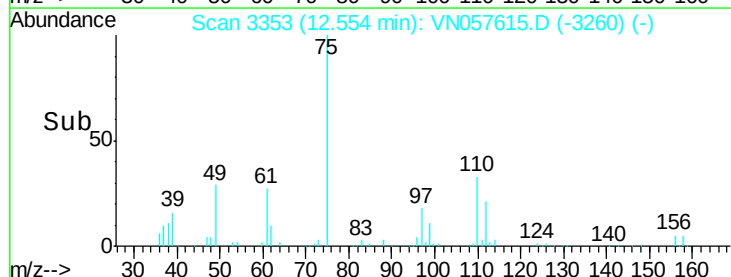
77 0.0 0.0 0.0

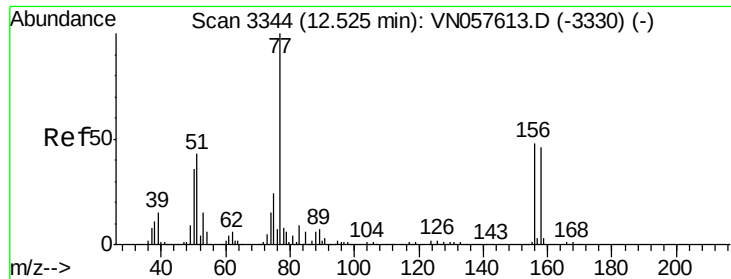


Abundance Ion 74.90 (74.60 to 75.60): VN057615.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057615.D (-3347) (-)

Time-->





#77

Bromobenzene

Concen: 129.599 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

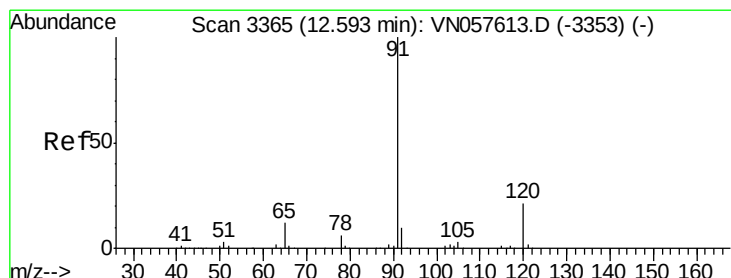
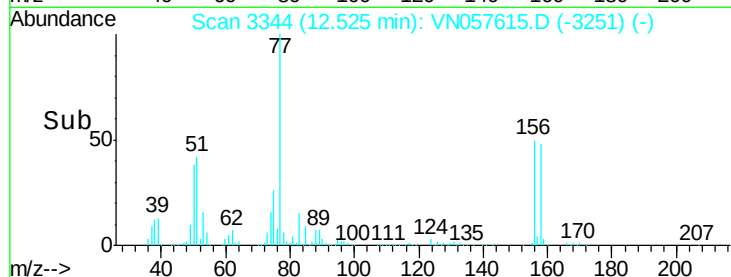
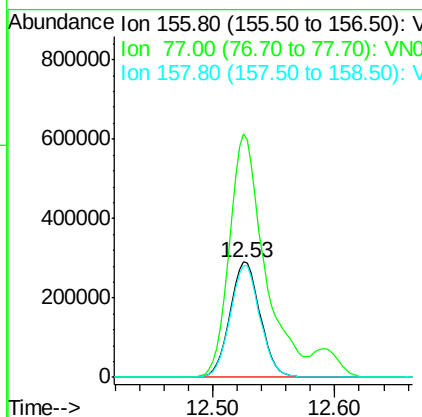
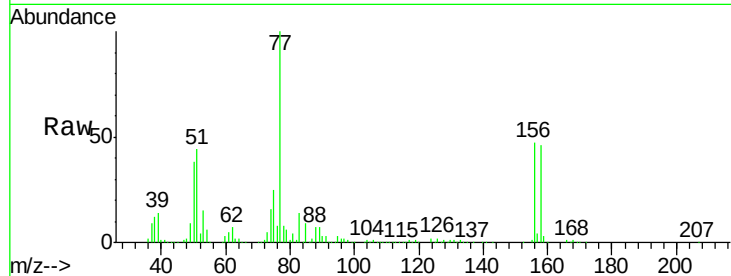
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	245.8	123.5	370.5	
158	96.4	47.8	143.3	

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#78

n-propylbenzene

Concen: 123.754 ug/l

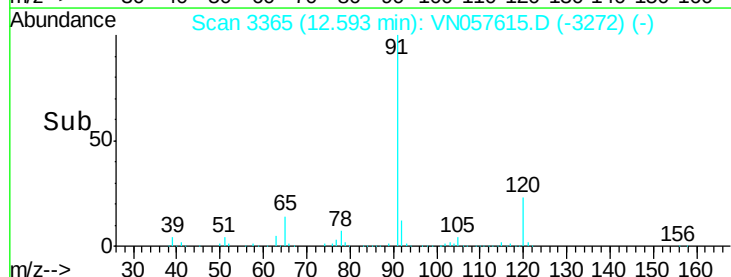
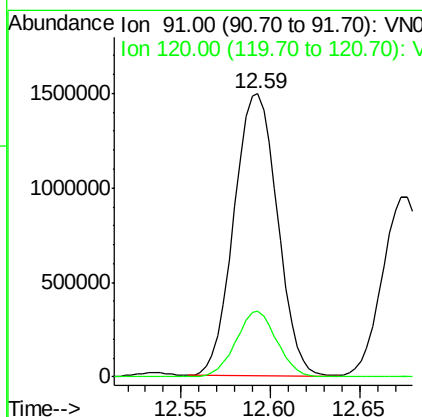
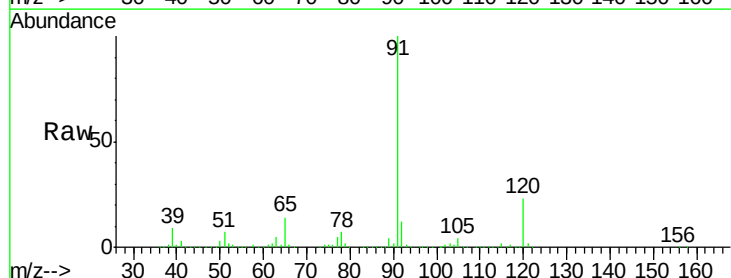
RT: 12.59 min Scan# 3365

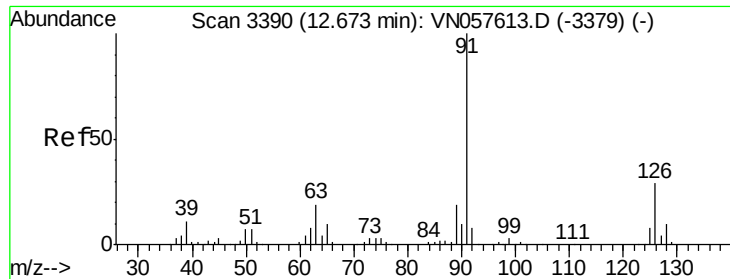
Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.4	31.4	





#79

2-Chlorotoluene

Concen: 130.718 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1610304

Ion Ratio Lower Upper

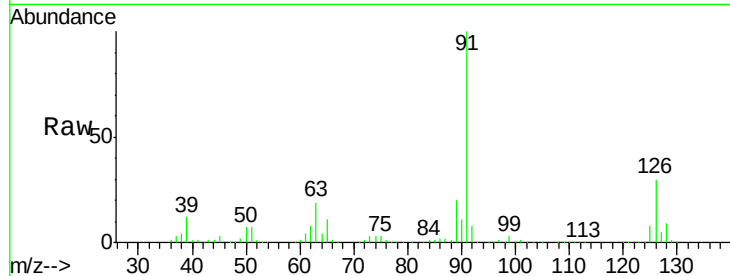
91 100

126 30.1 14.9 44.5

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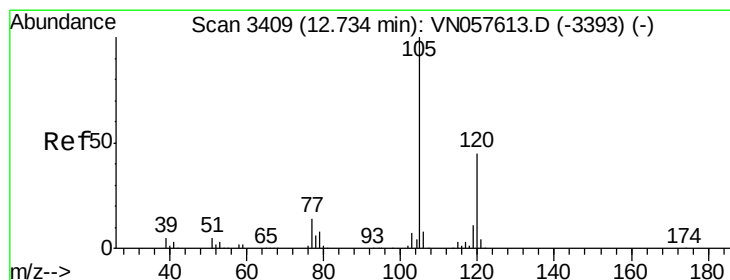
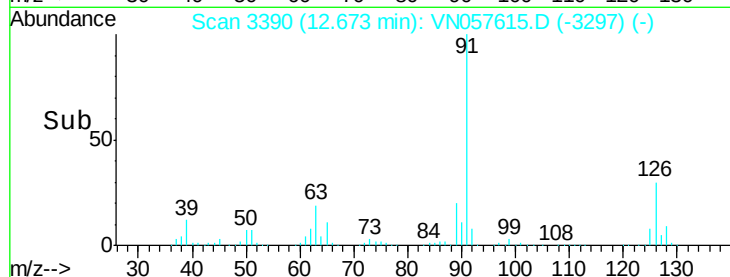
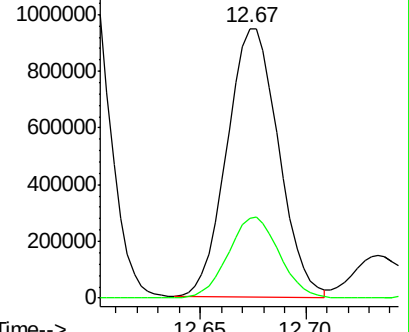
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Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 126.082 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057615.D

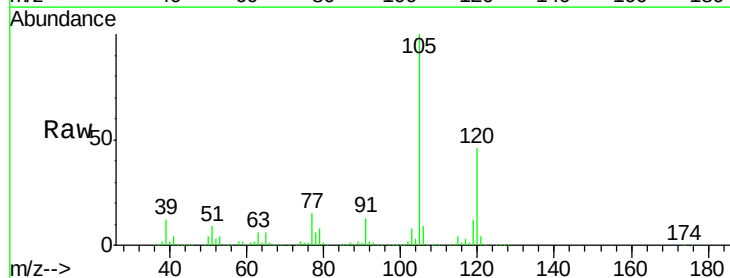
Acq: 31 Aug 2019 14:52

Tgt Ion:105 Resp: 1925124

Ion Ratio Lower Upper

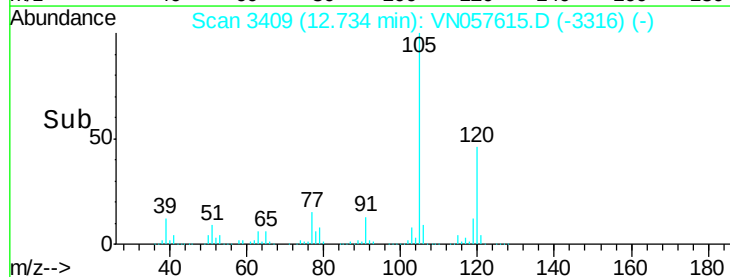
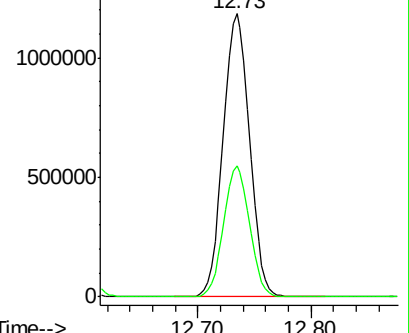
105 100

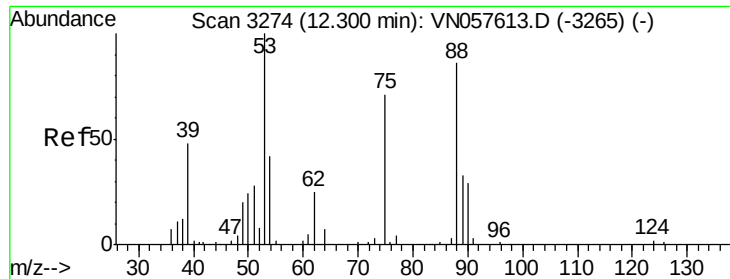
120 45.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057613.D (-3393) (-)





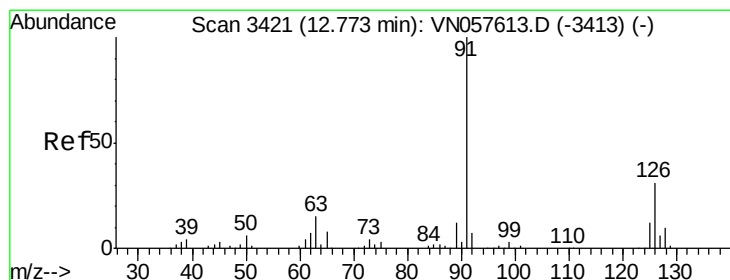
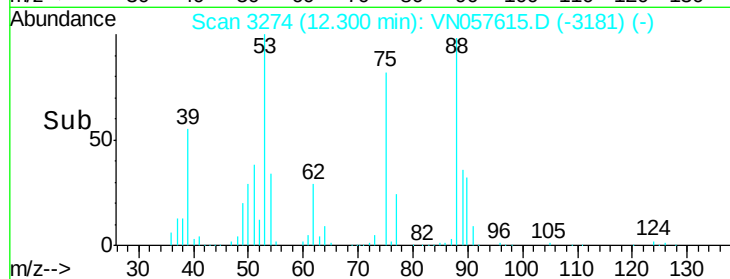
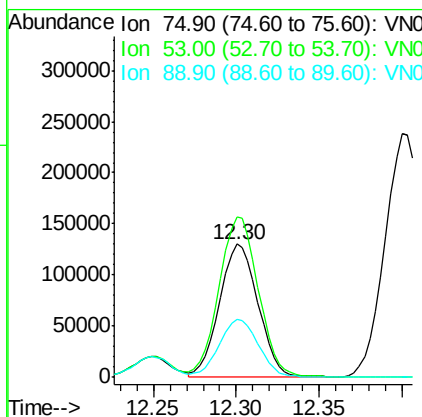
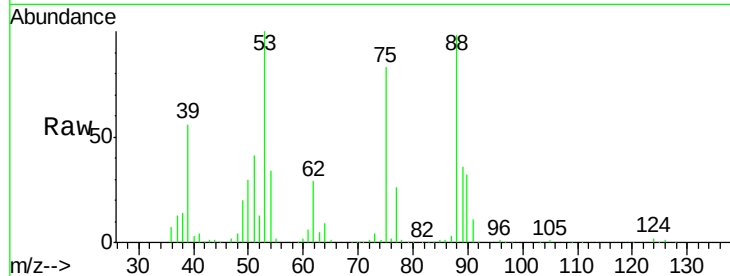
#81
trans-1,4-Dichloro-2-butene
Concen: 127.046 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.2	111.0	166.6
89	45.0	38.3	57.5

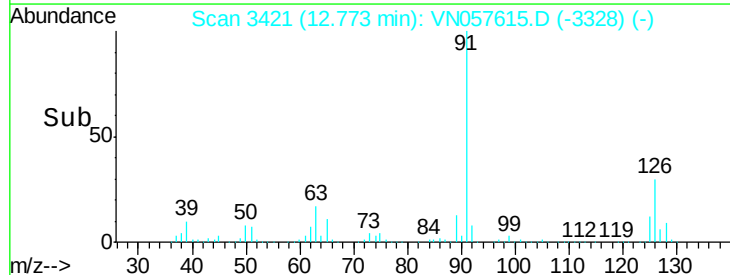
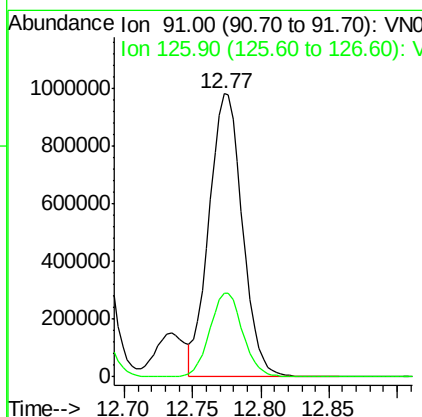
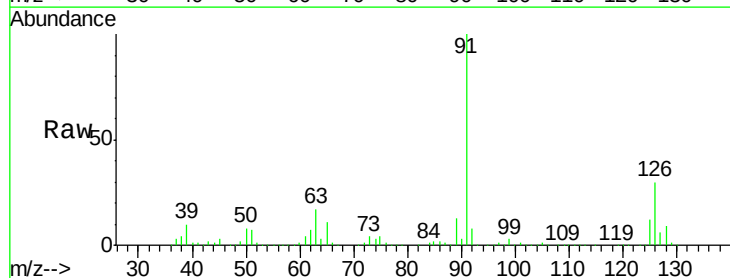
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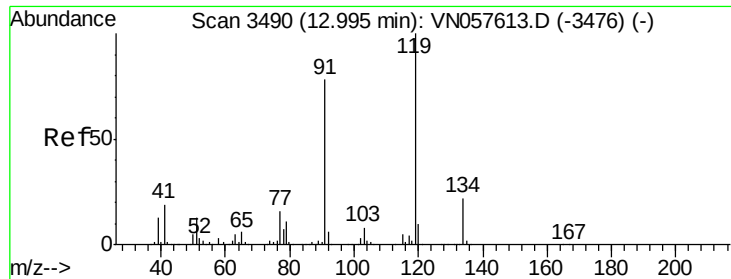
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#82
4-Chlorotoluene
Concen: 141.960 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.4	43.2





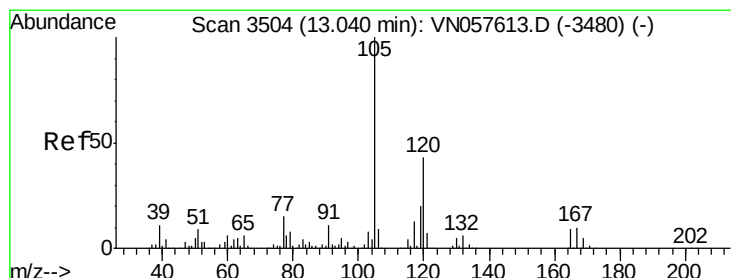
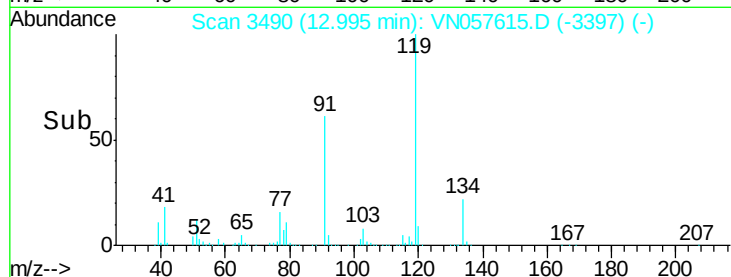
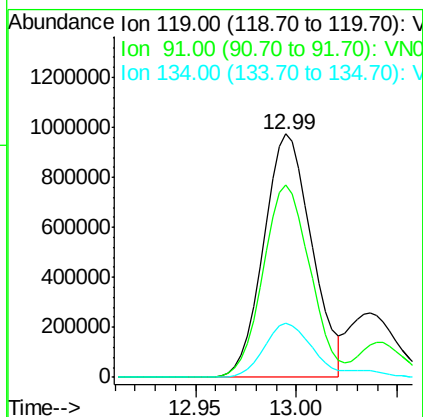
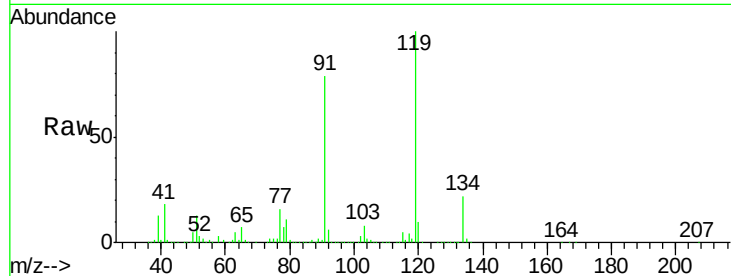
#83
 tert-Butylbenzene
 Concen: 118.916 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1611157
 Ion Ratio Lower Upper
 119 100
 91 77.6 38.3 114.9
 134 22.4 11.3 33.8

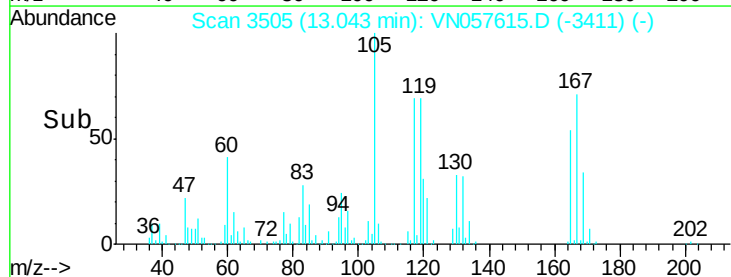
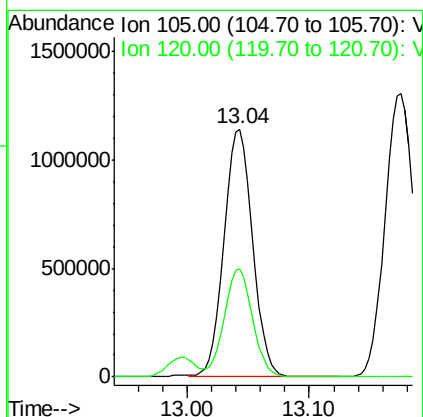
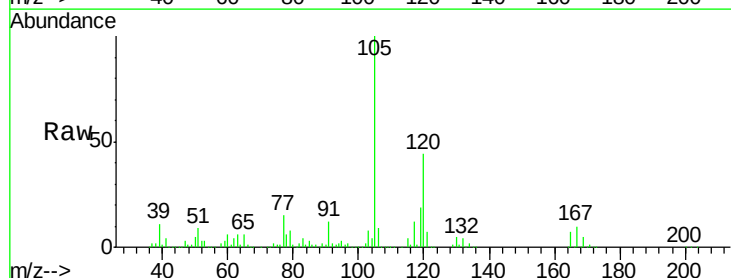
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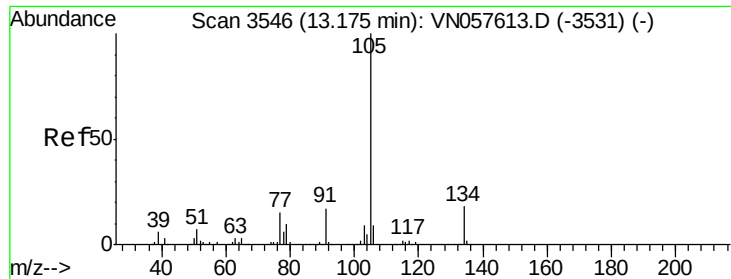
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 9/3/2019 11:52:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 139.128 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion:105 Resp: 1882751
 Ion Ratio Lower Upper
 105 100
 120 42.9 20.8 62.5





#85

sec-Butylbenzene

Concen: 131.482 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2188921

Ion Ratio Lower Upper

105 100

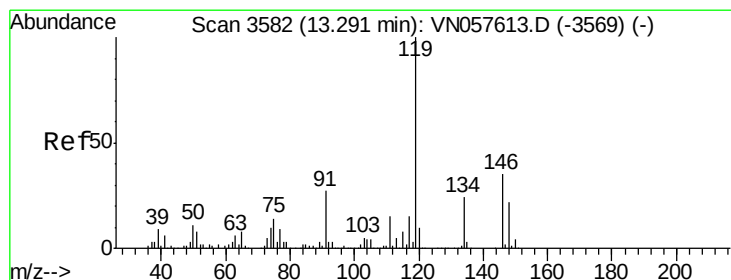
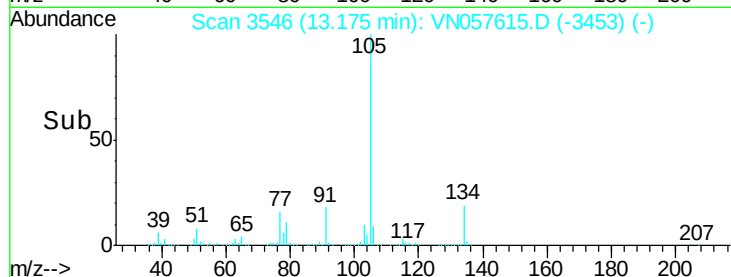
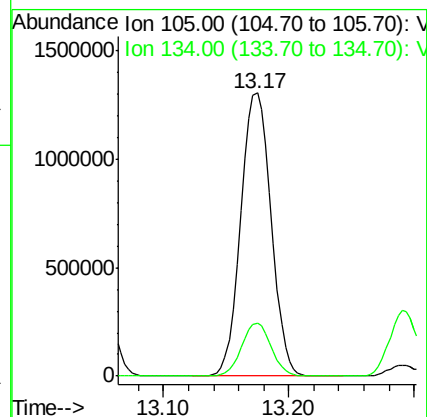
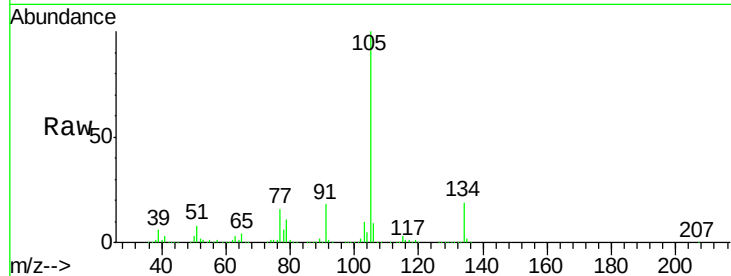
134 18.3 8.9 26.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 141.328 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

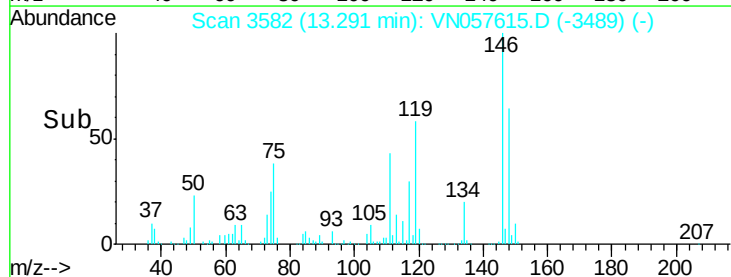
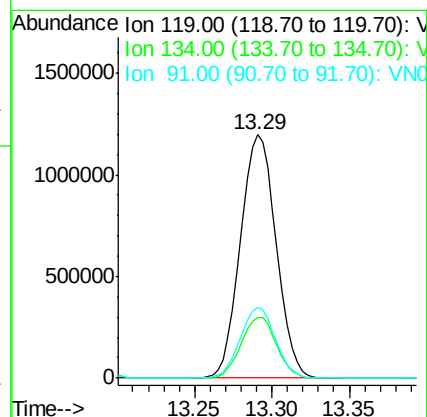
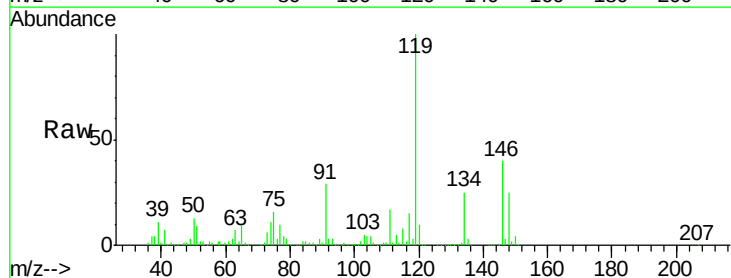
Tgt Ion:119 Resp: 1917059

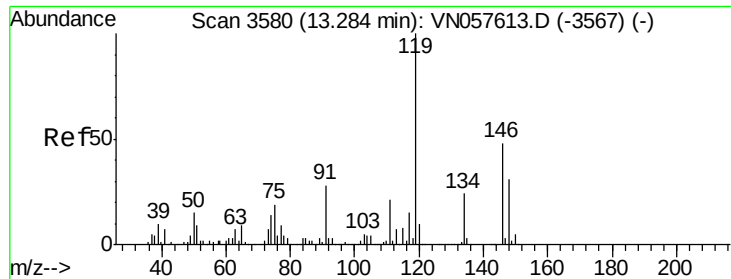
Ion Ratio Lower Upper

119 100

134 24.7 11.9 35.5

91 28.6 13.7 41.0





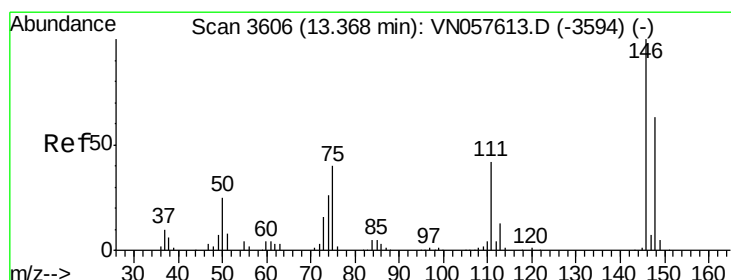
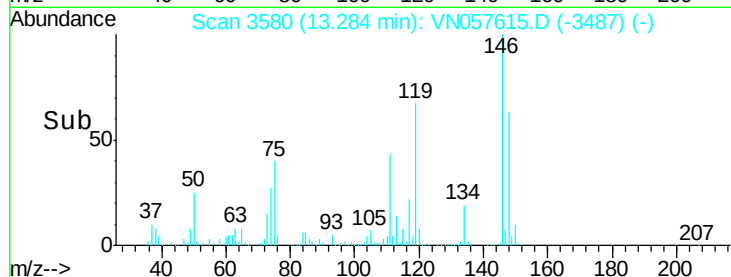
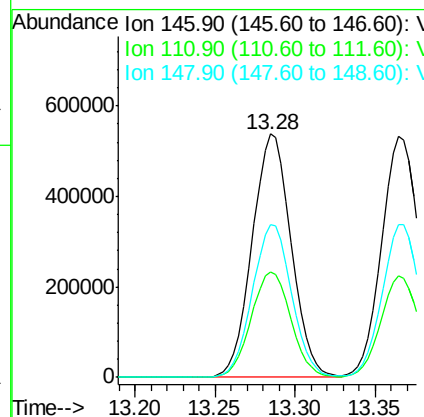
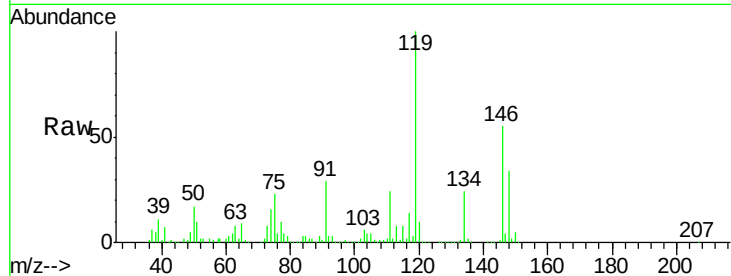
#87
 1,3-Dichlorobenzene
 Concen: 159.232 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.1	21.8	65.3	
148	63.1	31.4	94.2	

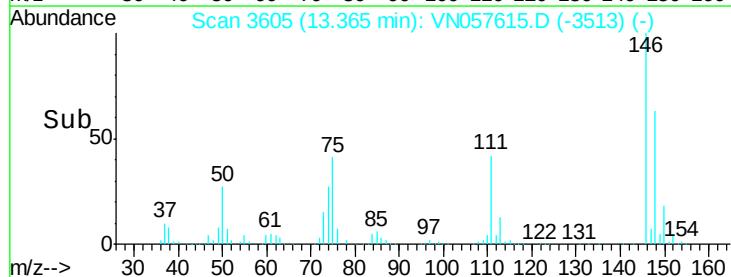
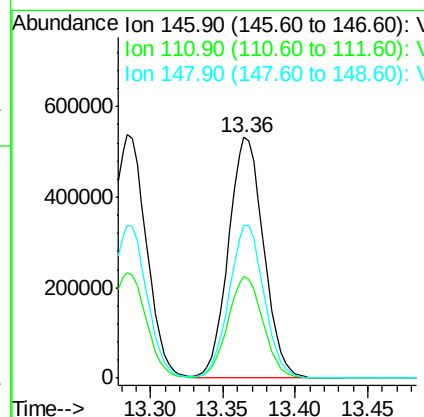
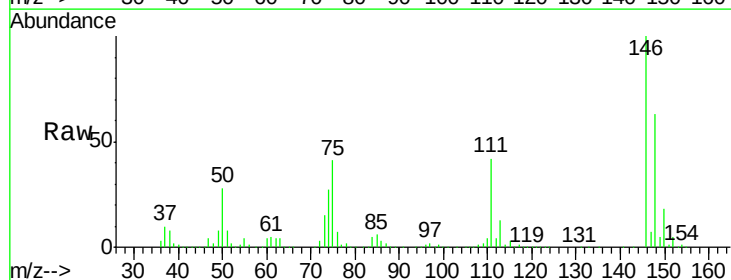
Manual Integrations
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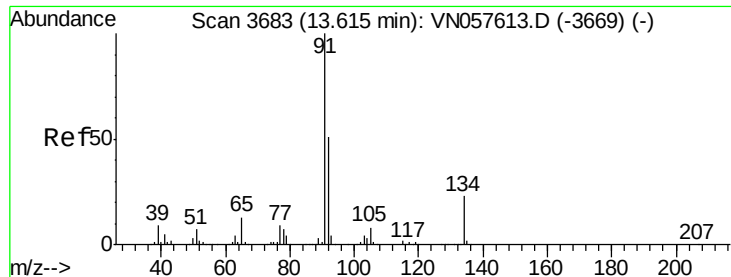
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#88
 1,4-Dichlorobenzene
 Concen: 162.754 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.2	21.6	65.0	
148	63.1	32.2	96.6	





#89

n-Butylbenzene

Concen: 155.685 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1794552

Ion Ratio Lower Upper

91 100

92 51.5 25.4 76.0

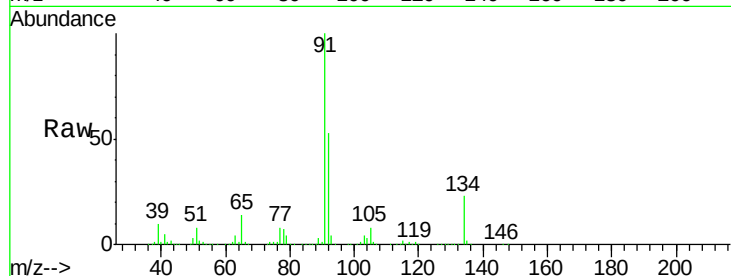
134 22.5 11.0 33.0

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Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057613.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057613.D (-3669) (-)

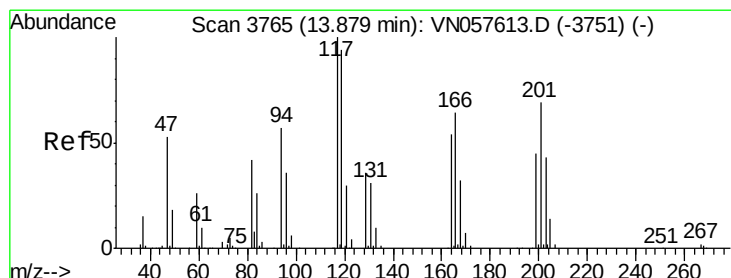
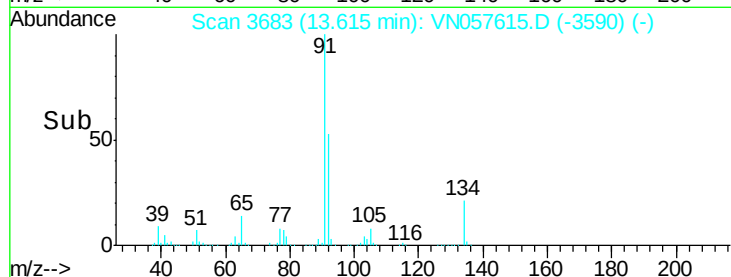
13.62

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 118.012 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057615.D

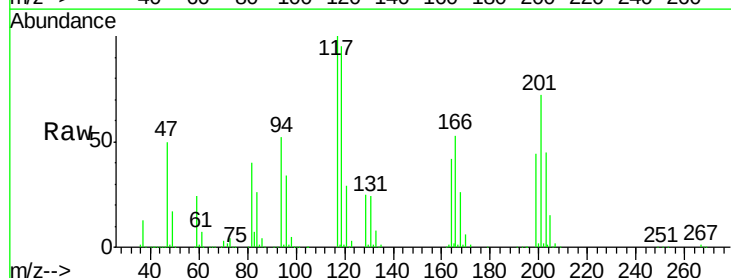
Acq: 31 Aug 2019 14:52

Tgt Ion: 117 Resp: 358987

Ion Ratio Lower Upper

117 100

201 71.1 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VN057613.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057613.D (-3751) (-)

250000

200000

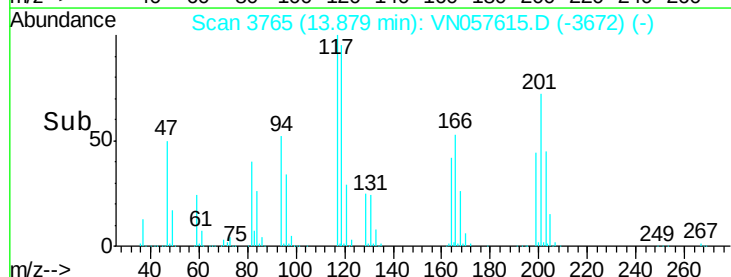
150000

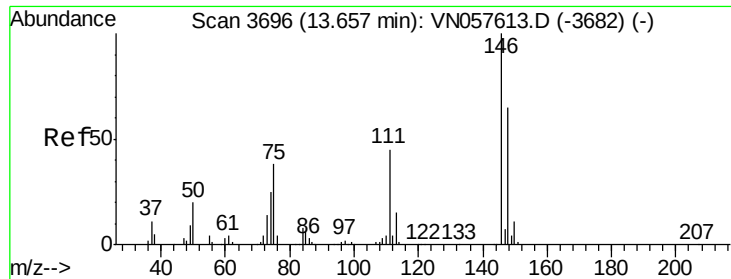
100000

50000

0

Time-->





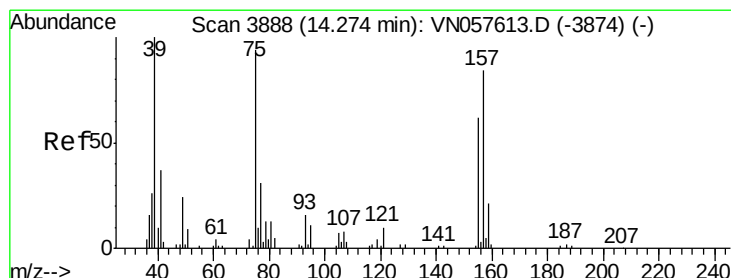
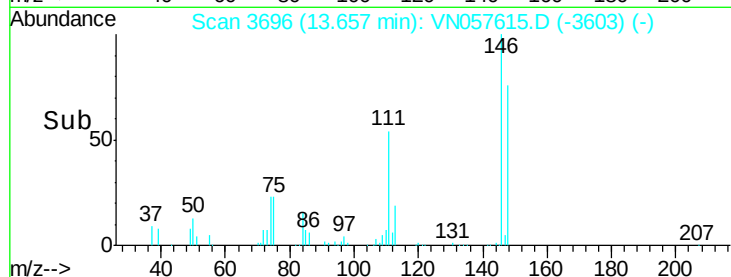
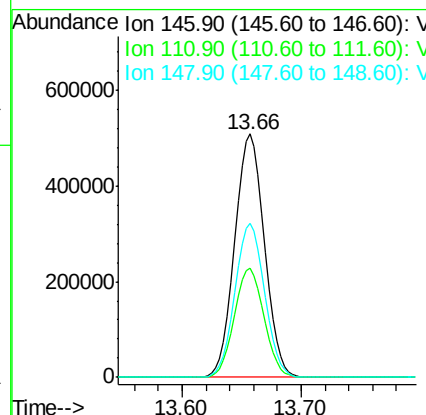
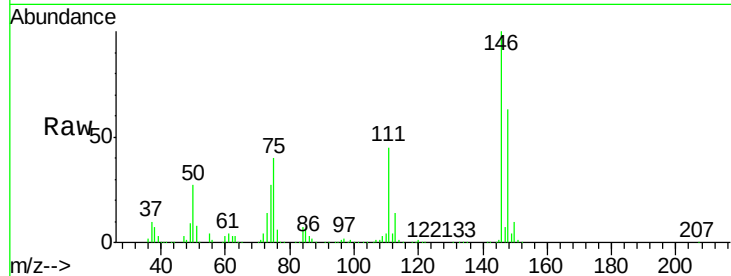
#91
 1,2-Dichlorobenzene
 Concen: 162.479 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	876888		
111	45.0	22.1	66.5	
148	63.3	31.6	94.7	

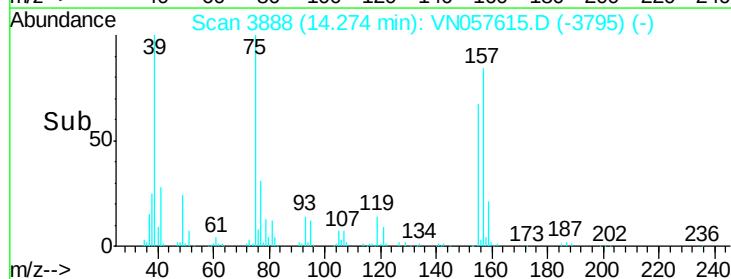
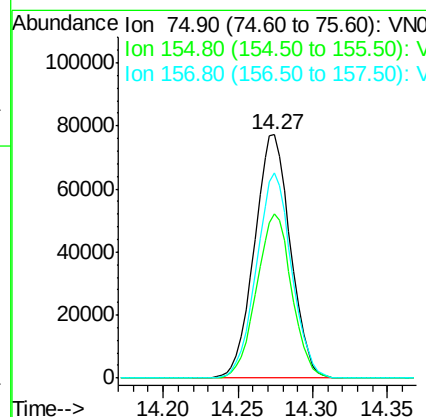
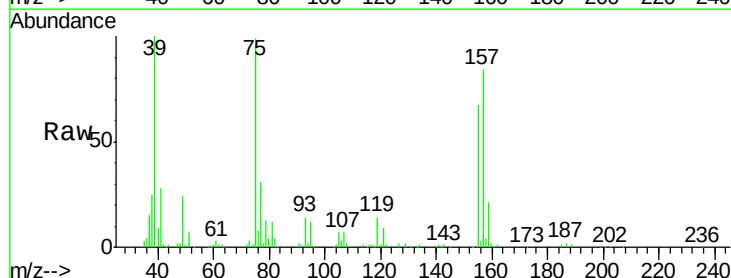
Manual Integrations
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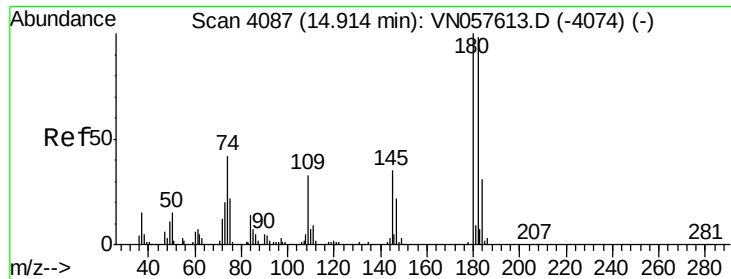
MMDadoda
 9/3/2019 11:52:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.767 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129229		
155	65.6	30.1	90.5	
157	82.1	41.4	124.4	





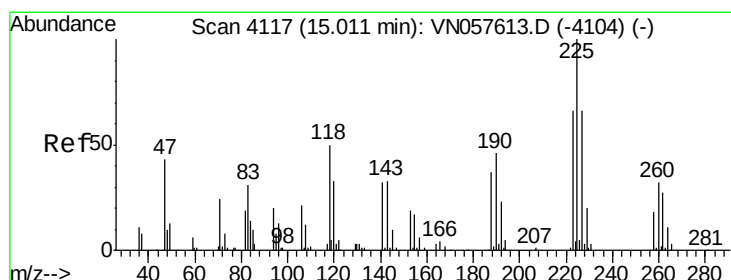
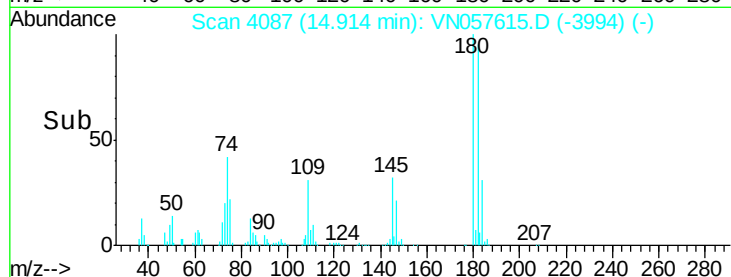
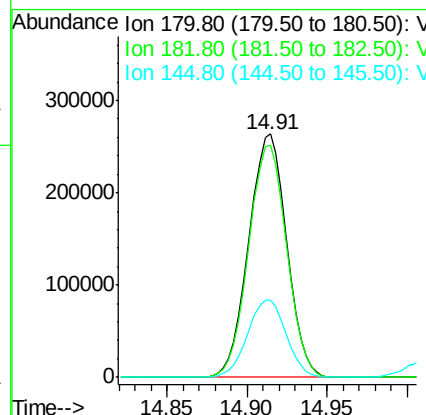
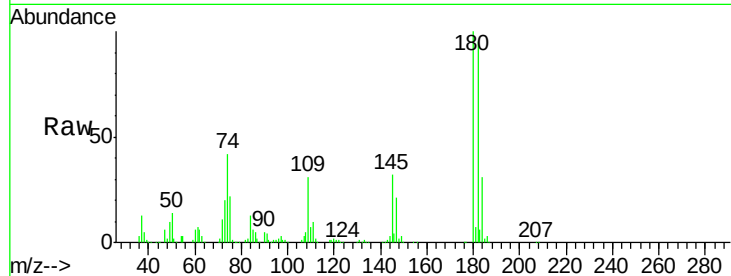
#93
 1,2,4-Trichlorobenzene
 Concen: 216.532 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	427511		
182	95.6	47.8	143.3	
145	32.4	16.9	50.7	

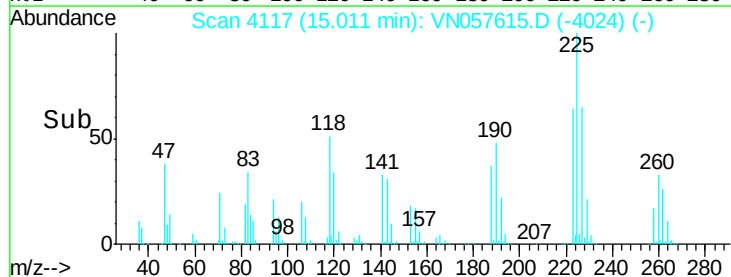
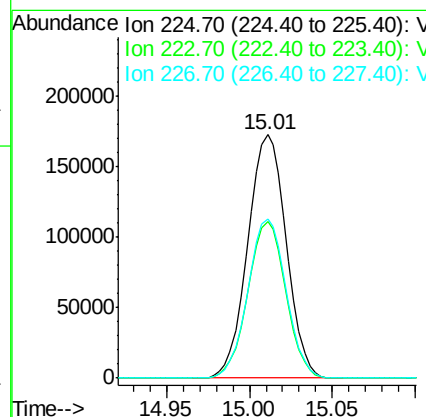
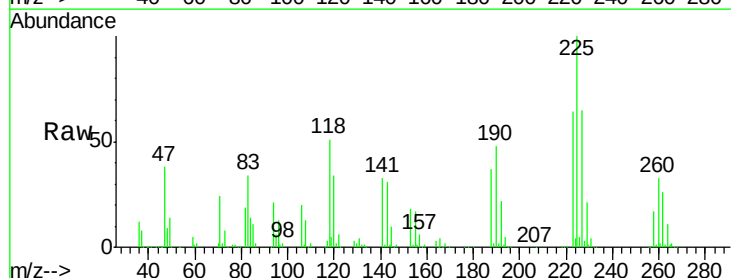
Manual Integrations
 APPROVED

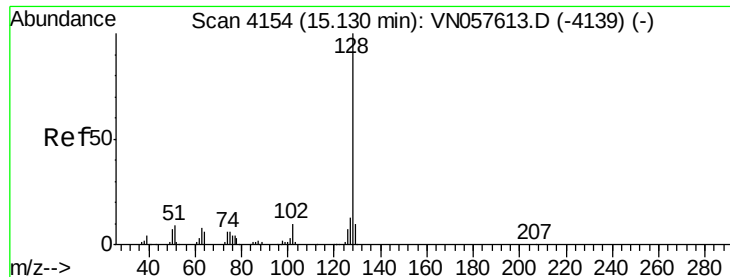
MMDadoda
 9/3/2019 11:52:06 AM



#94
 Hexachlorobutadiene
 Concen: 162.718 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	278866		
223	63.2	32.3	96.8	
227	64.9	32.4	97.2	





#95

Naphthalene

Concen: 189.502 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

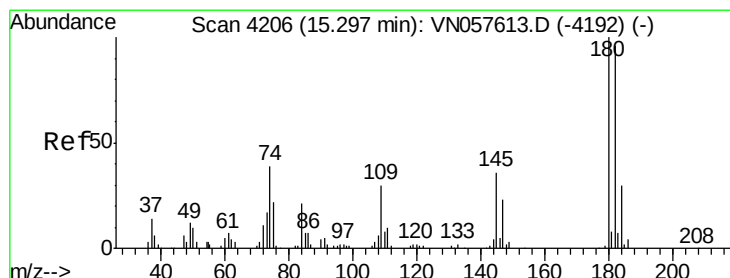
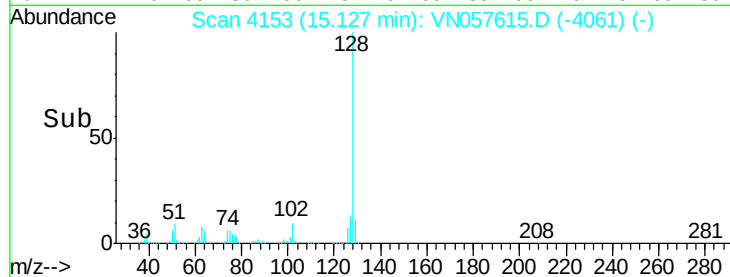
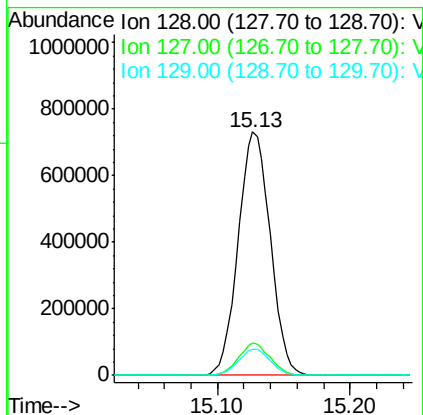
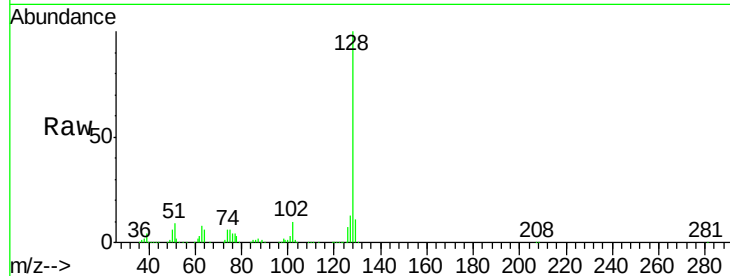
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	1226245
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:52:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 204.332 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion:	180	Resp:	423463
Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.3	138.9
145	34.4	17.8	53.3

