

Data File : VV014270.D
Acq On : 10 Jan 2020 13:51
Operator : SY/MD
Sample : L1071-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
X2L39

Quant Time: Jan 11 00:03:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 11 00:01:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1061517	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	953535	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	447595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	301472	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.59	69	243618	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	364538	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.96	46	798830	44.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.54%
24) Chloroform-d	4.39	84	642699	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.08	65	318621	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.09	84	1353492	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.11	67	421129	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.35	98	1223111	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.66	79	172509	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.13	63	727234	44.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.02%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	285673	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	396708	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
8) Chloroethane	1.60	64	416964	9.989 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	909797	19.151 ug/L	97
12) 1,1-Dichloroethene	2.13	96	6110	0.129 ug/L #	1
16) Methylene chloride	2.54	84	20129	0.261 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	2681186	15.276 ug/L	99
31) Carbon tetrachloride	4.87	117	310113	3.190 ug/L	100
33) Benzene	5.14	78	1219121	4.151 ug/L	100
34) Trichloroethene	5.95	95	1191629	15.791 ug/L	99
35) Methylcyclohexane	6.11	83	103110	0.836 ug/L #	19
37) 1,2-Dichloropropane	6.22	63	296400	3.999 ug/L	99
42) Toluene	7.42	91	2543099	8.204 ug/L	100
47) Tetrachloroethene	8.01	164	561787	10.897 ug/L	97
49) Dibromochloromethane	8.01	129	551959	9.220 ug/L #	10
51) Chlorobenzene	8.92	112	990820	5.197 ug/L	98
52) Ethylbenzene	9.05	91	2188554	6.311 ug/L	98
53) m,p-xylene	9.18	106	828458	6.476 ug/L	96
54) o-xylene	9.58	106	514671	4.091 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011020\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 11 00:01:14 2020
Response via : Initial Calibration

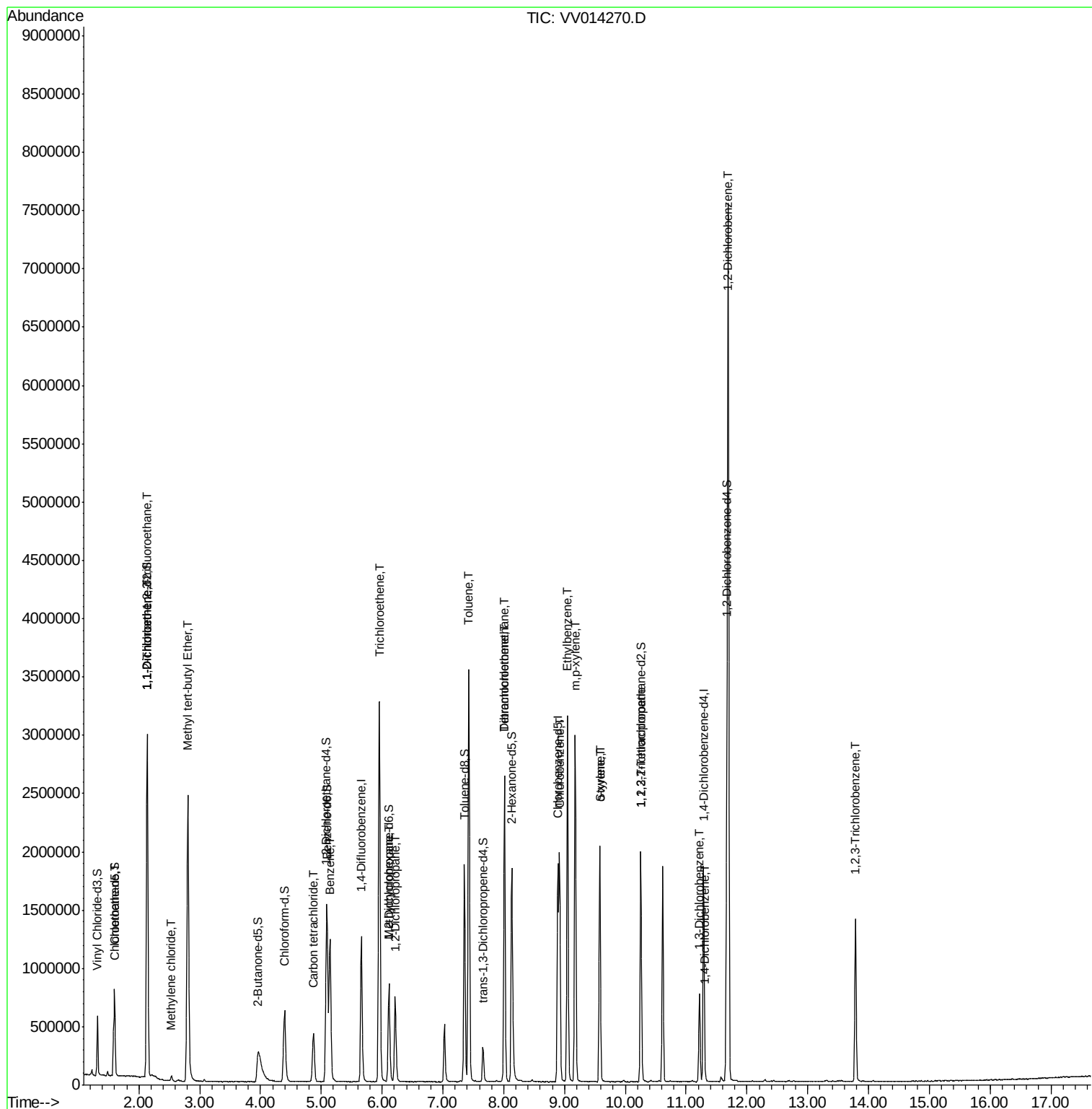
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.58	104	28577	0.134	ug/L #	1
59) 1,2,3-Trichloropropane	10.25	75	49078	1.111	ug/L #	1
62) 1,3-Dichlorobenzene	11.22	146	288490	2.062	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	10895	0.078	ug/L	90
65) 1,2-Dichlorobenzene	11.68	146	910656	7.206	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	406838	5.180	ug/L	99

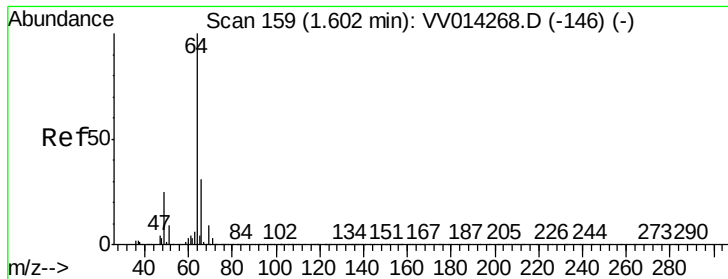
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 9.989 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

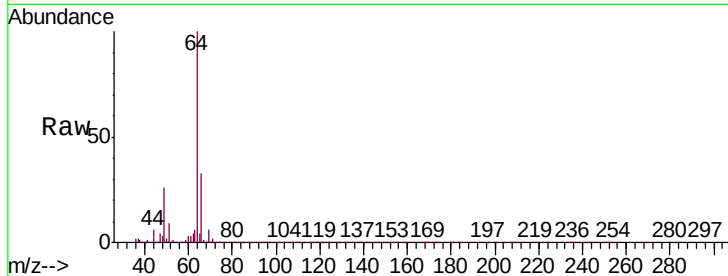
X2L39

Tgt Ion: 64 Resp: 416964

Ion Ratio Lower Upper

64 100

66 33.3 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV014270.D (-66) (-)

Ion 66.05 (65.75 to 66.75): VV014270.D (-66) (-)

1.60

400000

300000

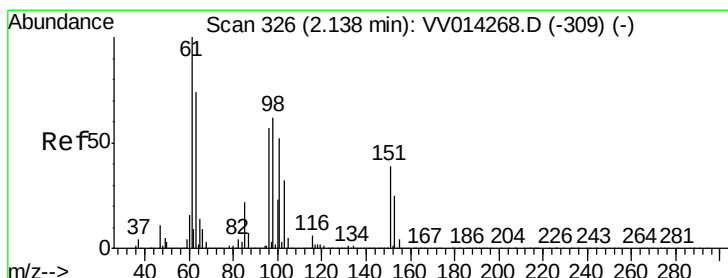
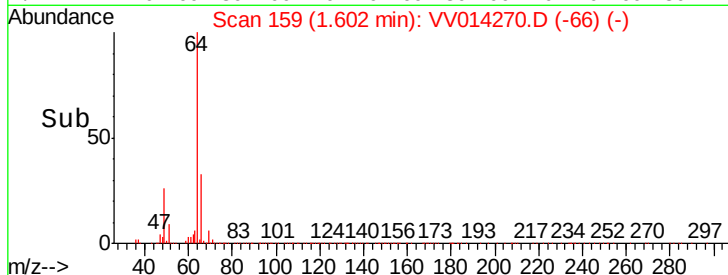
200000

100000

0

Time-->

1.55 1.60 1.65 1.70



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 19.151 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

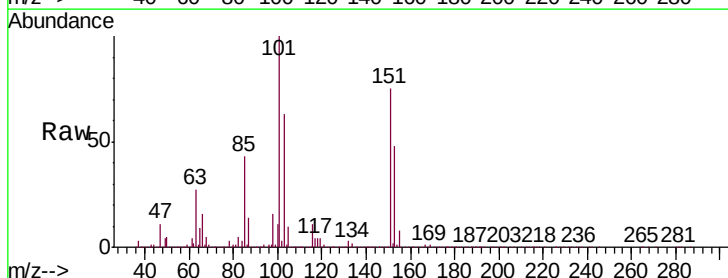
Tgt Ion: 101 Resp: 909797

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

151 74.9 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014270.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV014270.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014270.D (-233) (-)

2.14

600000

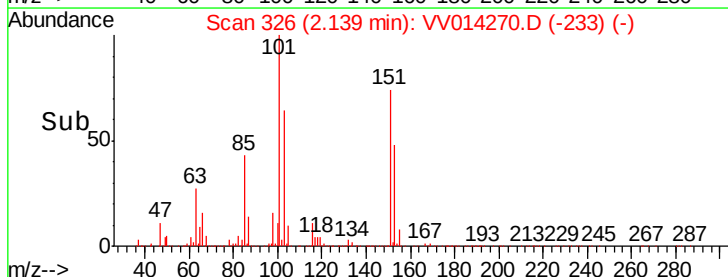
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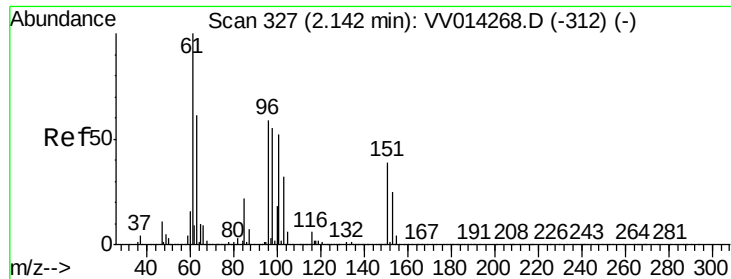
200000

0

Time-->

2.00 2.10 2.20 2.30

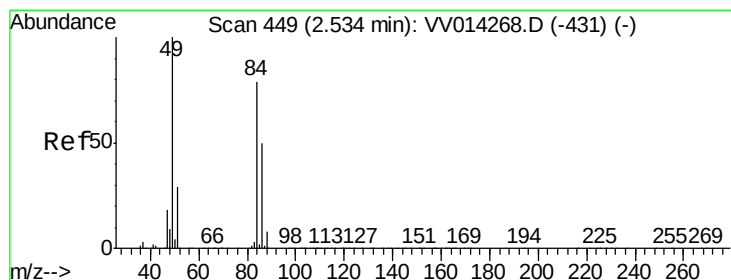
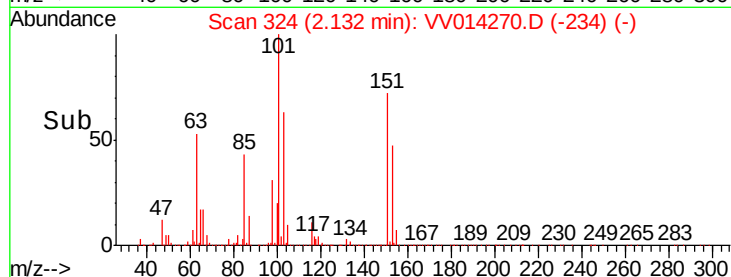
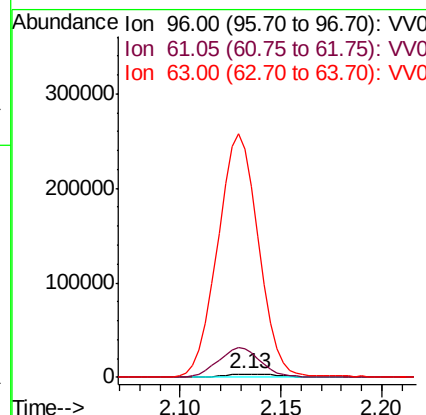
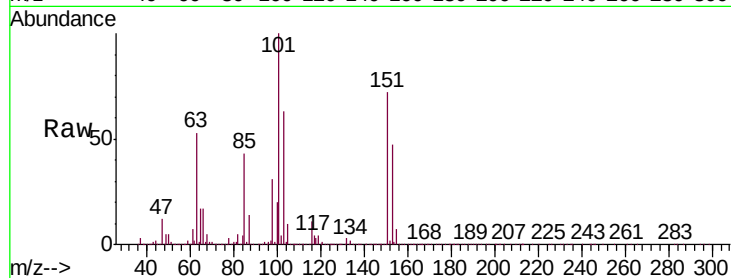




#12
 1,1-Dichloroethene
 Concen: 0.129 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VV014270.D
 Acq: 10 Jan 2020 13:51

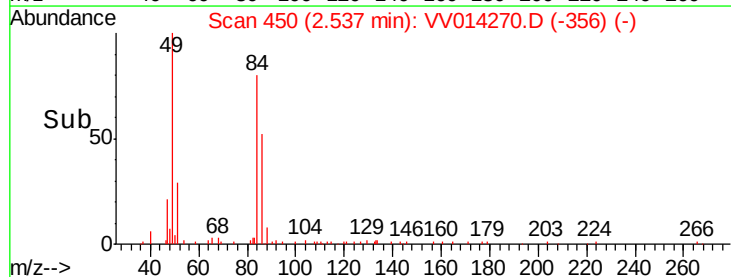
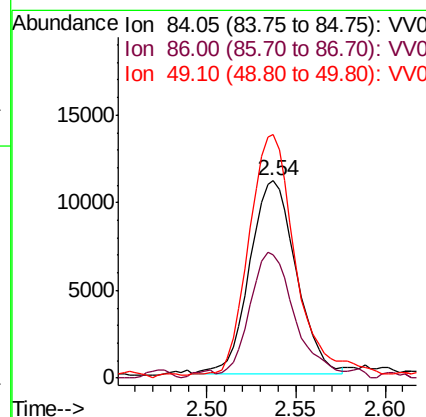
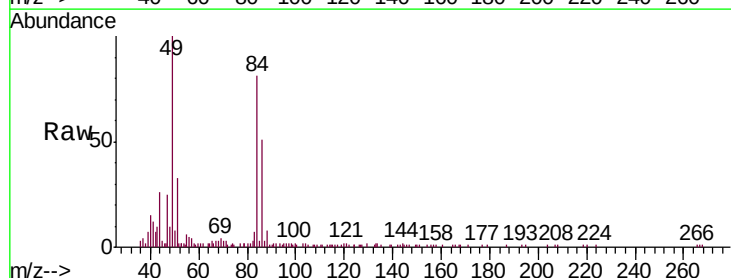
Instrument :
 MSVOA_V
 ClientSampleId :
 X2L39

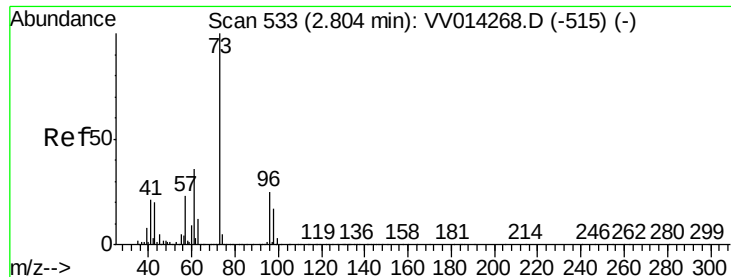
Tgt Ion: 96 Resp: 6110
 Ion Ratio Lower Upper
 96 100
 61 929.7 121.5 225.7#
 63 7378.9 90.3 167.7#



#16
 Methylene chloride
 Concen: 0.261 ug/L
 RT: 2.54 min Scan# 450
 Delta R.T. 0.00 min
 Lab File: VV014270.D
 Acq: 10 Jan 2020 13:51

Tgt Ion: 84 Resp: 20129
 Ion Ratio Lower Upper
 84 100
 86 62.7 43.1 80.1
 49 123.5 82.1 152.5





#17

Methyl tert-butyl Ether

Concen: 15.276 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

X2L39

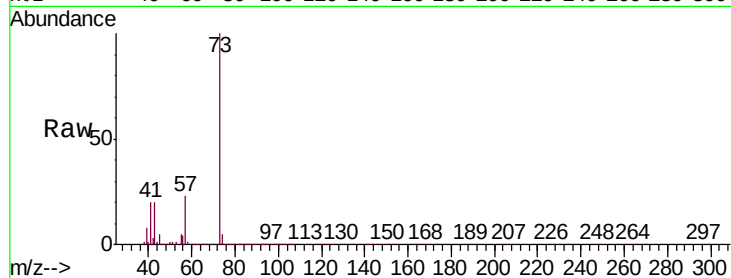
Tgt Ion: 73 Resp: 2681186

Ion	Ratio	Lower	Upper
73	100		
43	19.5	14.7	22.1
57	22.6	17.9	26.9

73 100

43 19.5 14.7 22.1

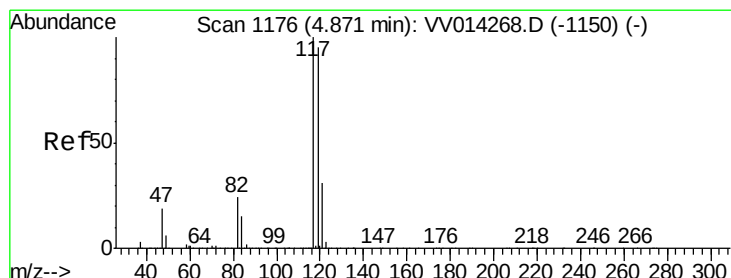
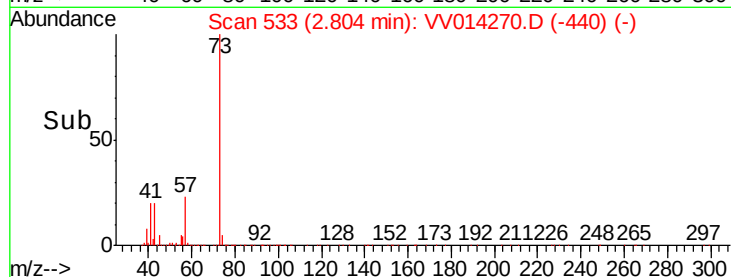
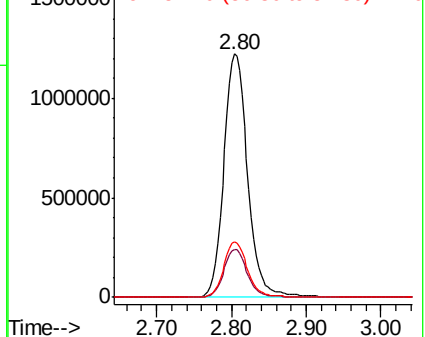
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV014270.D (-440) (-)

Ion 43.05 (42.75 to 43.75): VV014270.D (-440) (-)

Ion 57.10 (56.80 to 57.80): VV014270.D (-440) (-)



#31

Carbon tetrachloride

Concen: 3.190 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014270.D

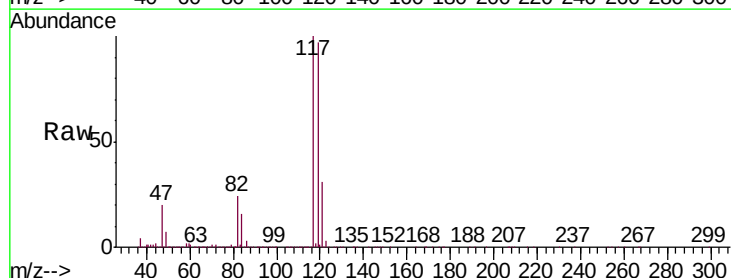
Acq: 10 Jan 2020 13:51

Tgt Ion: 117 Resp: 310113

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.8	115.2

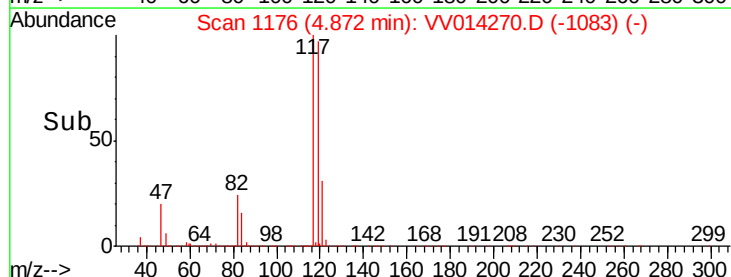
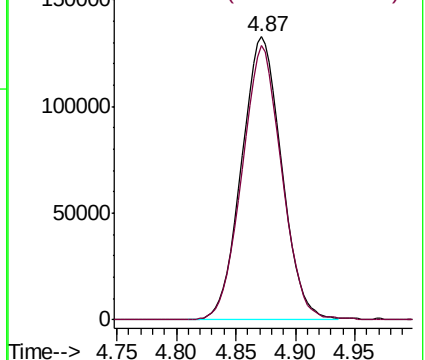
117 100

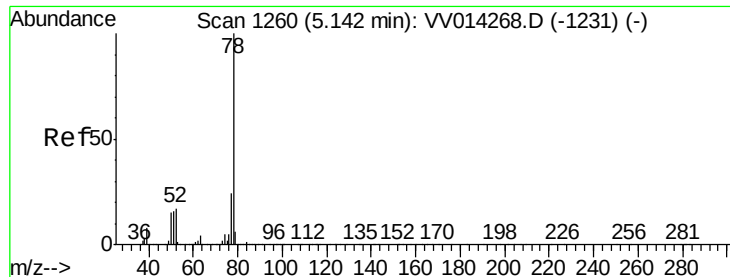
119 95.5 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): VV014270.D (-1083) (-)

Ion 118.90 (118.60 to 119.60): VV014270.D (-1083) (-)





#33

Benzene

Concen: 4.151 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

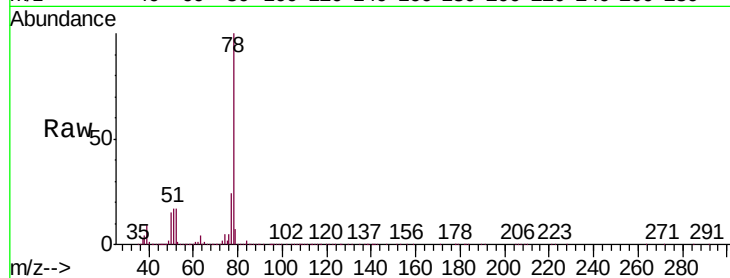
Instrument :

MSVOA_V

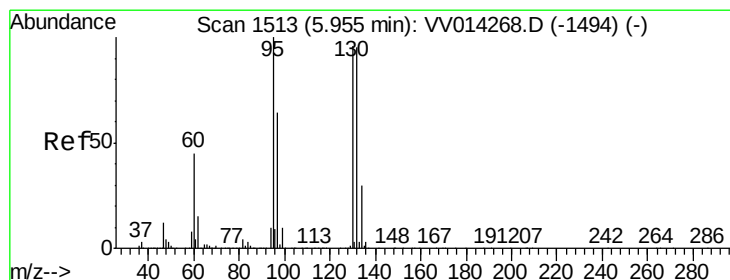
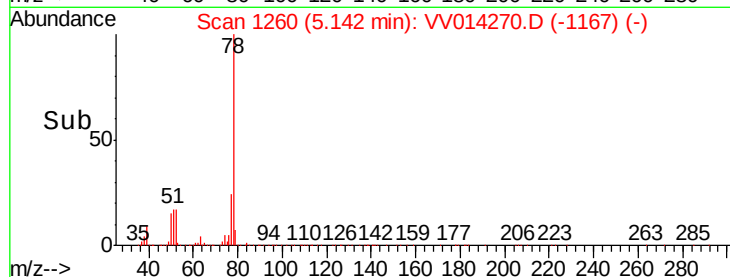
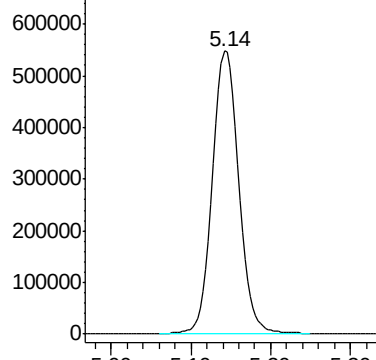
ClientSampleId :

X2L39

Tgt Ion: 78 Resp: 1219121



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 15.791 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Tgt Ion: 95 Resp: 1191629

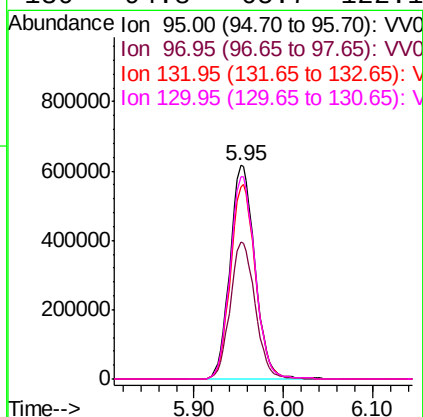
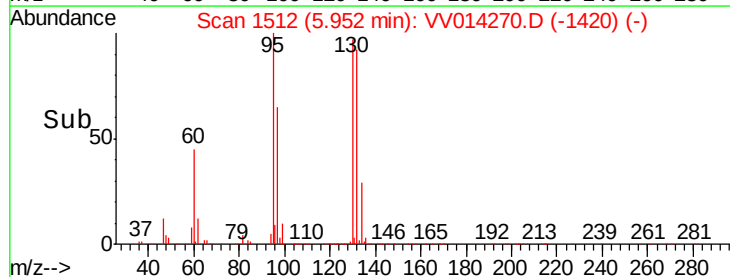
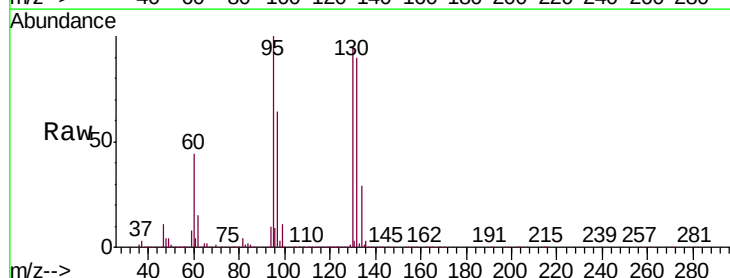
Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.8	81.3
132	89.9	63.4	117.8
130	94.8	65.7	122.1

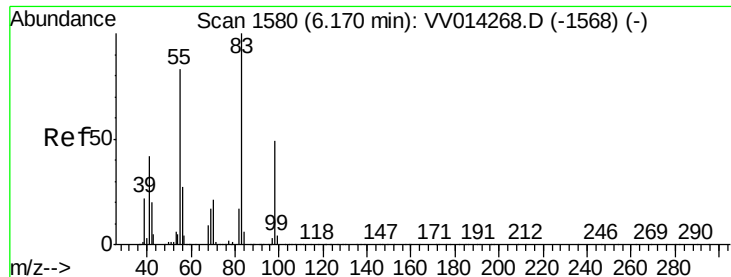
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

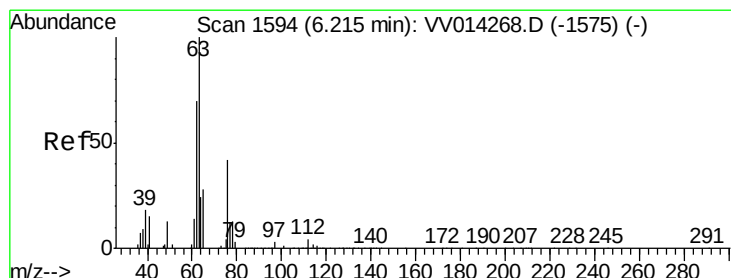
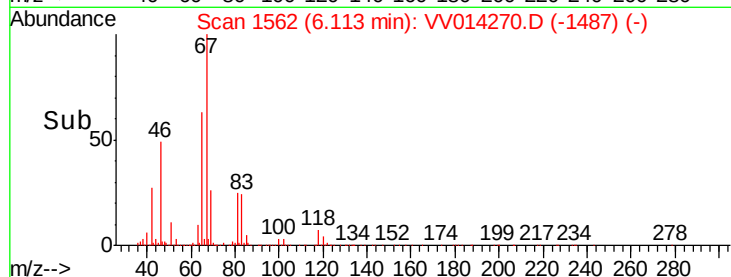
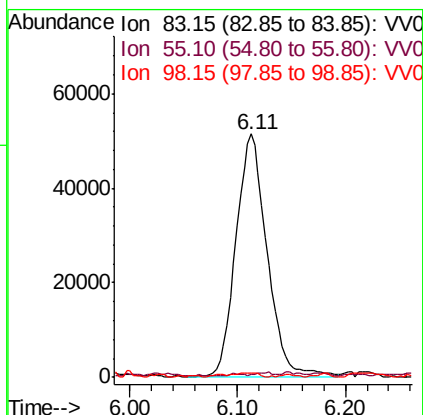
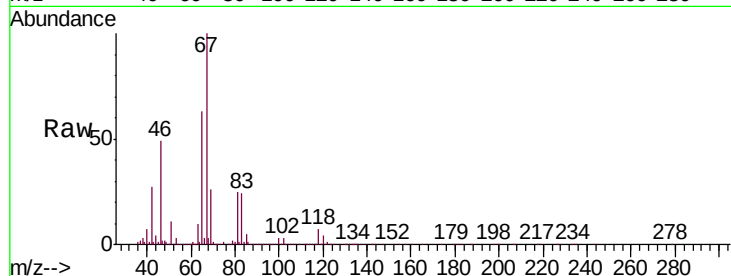




#35
Methylcyclohexane
Concen: 0.836 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

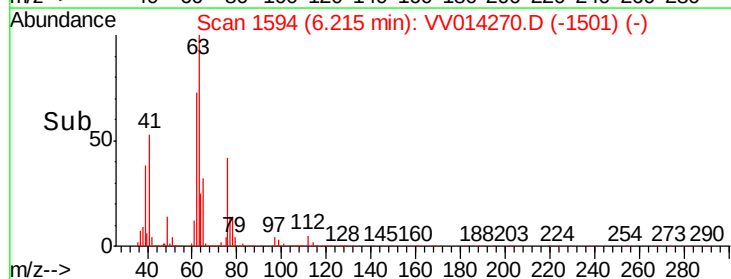
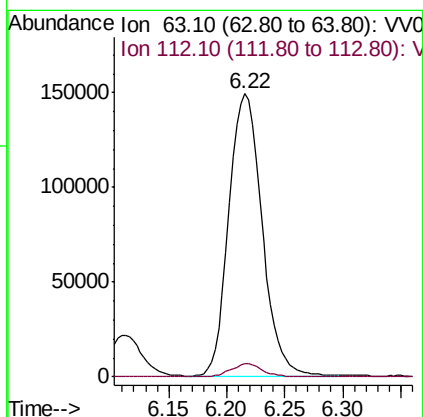
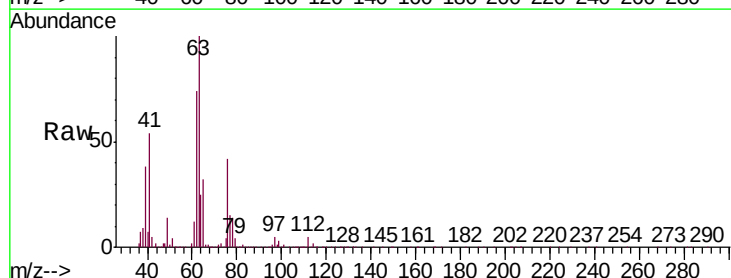
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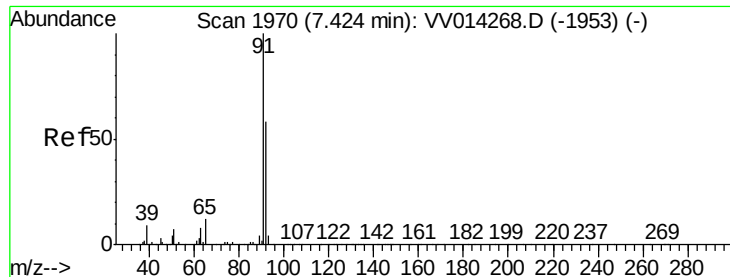
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.5	61.7	92.5#
98	1.5	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 3.999 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
63	100		
112	4.3	3.7	5.5





#42

Toluene

Concen: 8.204 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

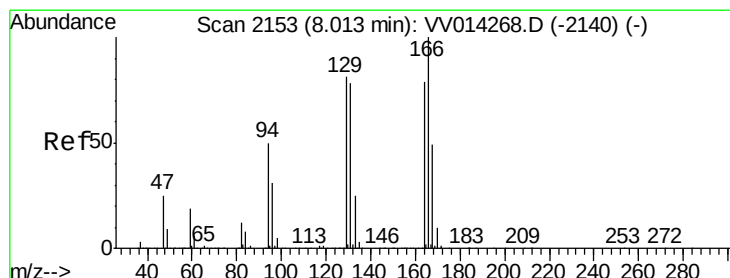
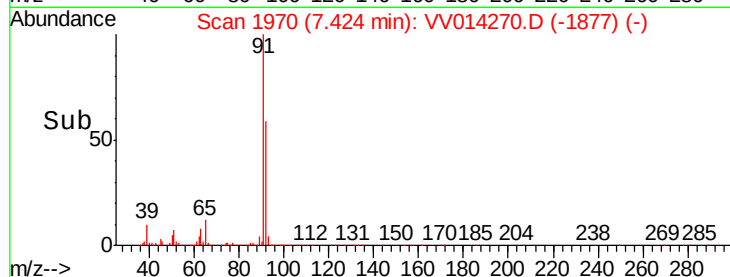
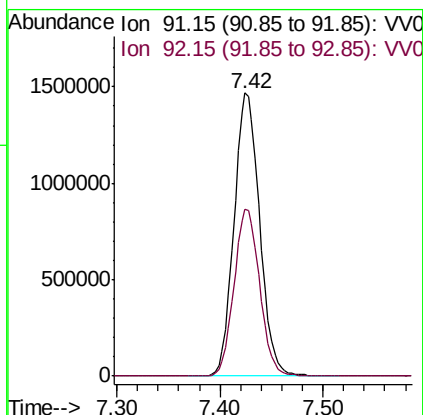
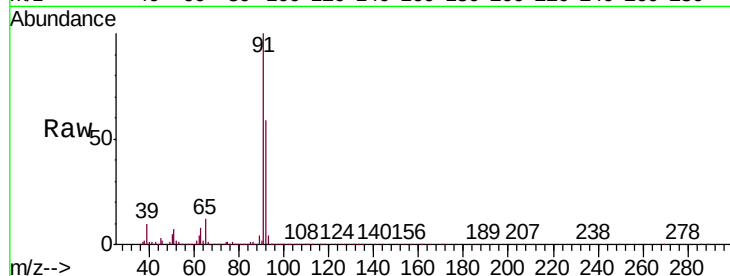
X2L39

Tgt Ion: 91 Resp: 2543099

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.6



#47

Tetrachloroethene

Concen: 10.897 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Tgt Ion: 164 Resp: 561787

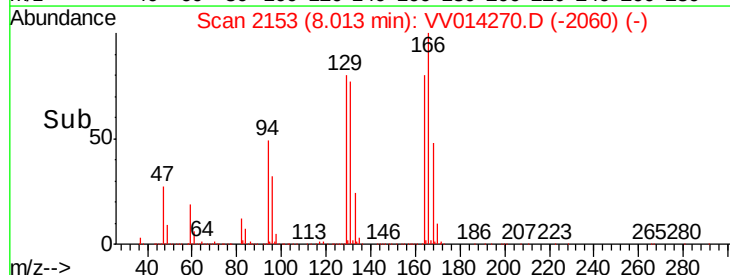
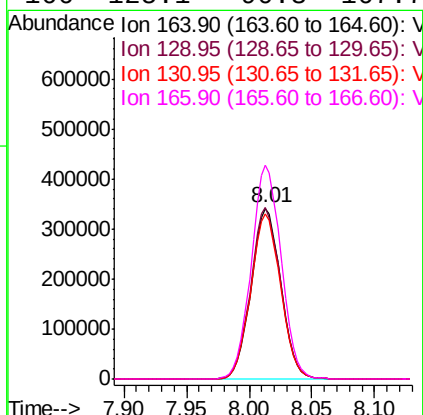
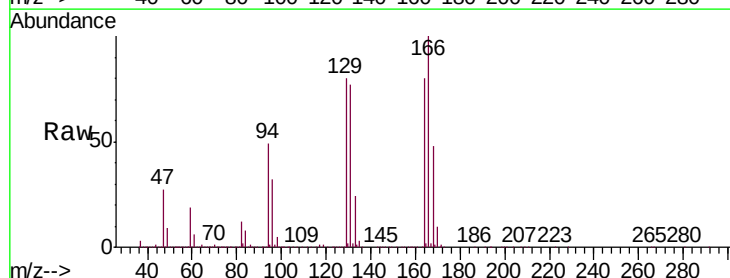
Ion Ratio Lower Upper

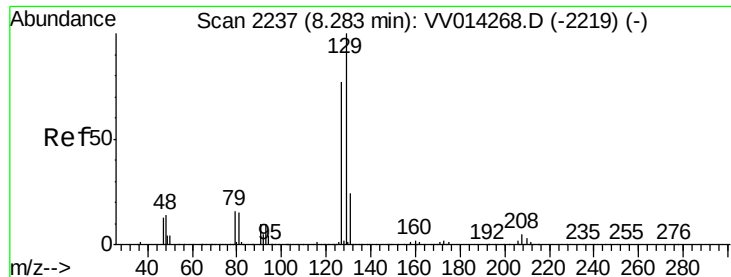
164 100

129 100.2 71.7 133.3

131 96.8 70.4 130.8

166 125.1 90.3 167.7





#49

Dibromochloromethane

Concen: 9.220 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

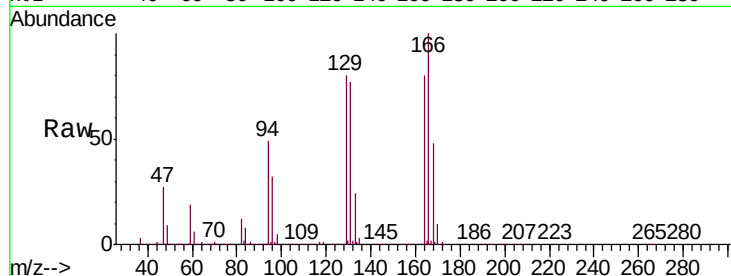
X2L39

Tgt Ion:129 Resp: 551959

Ion Ratio Lower Upper

129 100

127 0.1 55.7 103.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.01

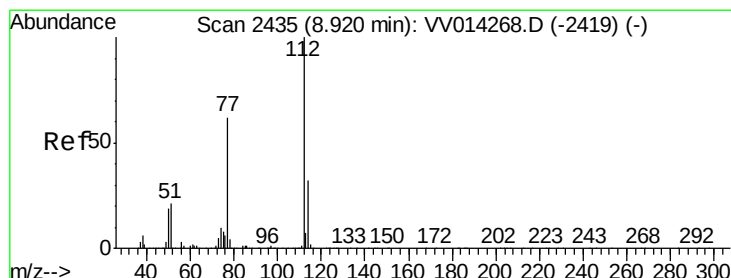
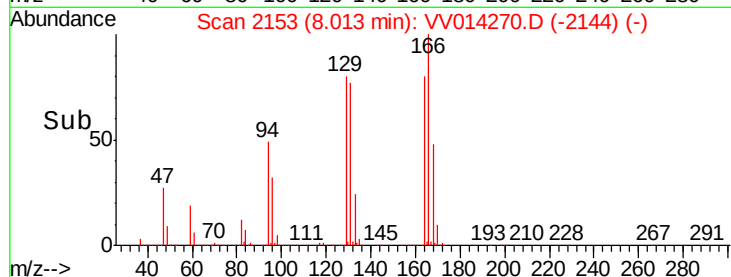
300000

200000

100000

0

Time--> 7.95 8.00 8.05 8.10



#51

Chlorobenzene

Concen: 5.197 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

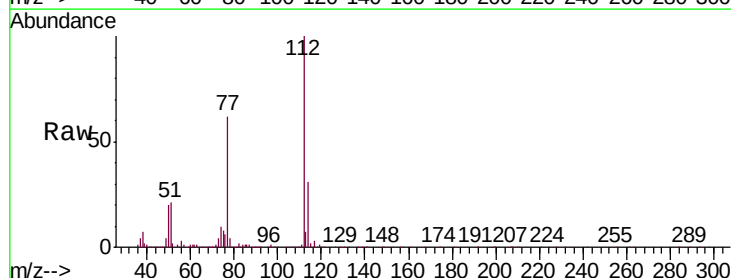
Tgt Ion:112 Resp: 990820

Ion Ratio Lower Upper

112 100

114 30.8 22.5 41.7

77 62.4 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

8.92

800000

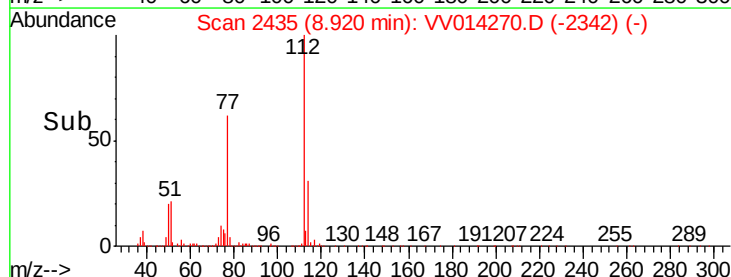
600000

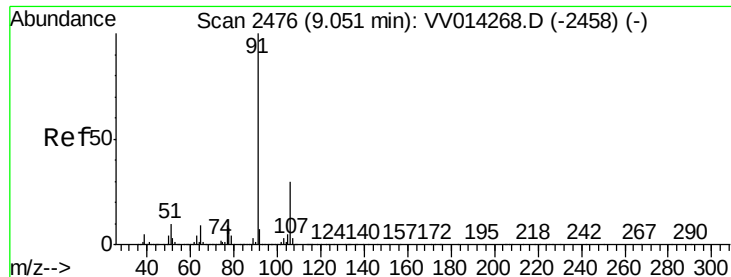
400000

200000

0

Time--> 8.80 8.90 9.00





#52

Ethylbenzene

Concen: 6.311 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

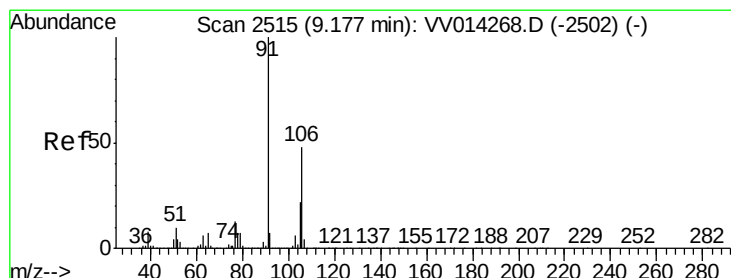
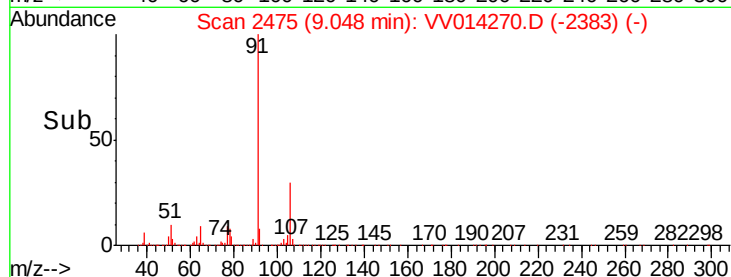
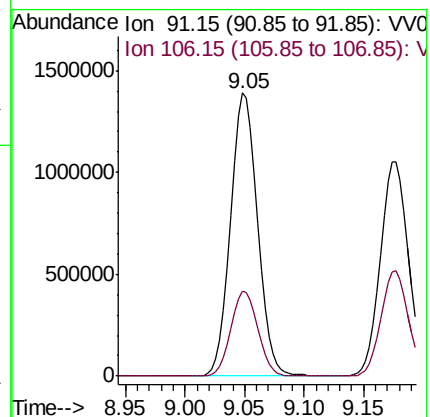
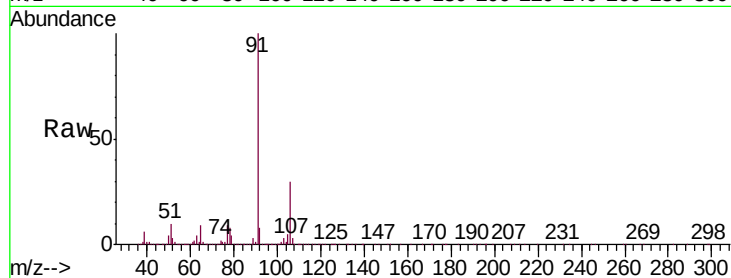
X2L39

Tgt Ion: 91 Resp: 218854

Ion Ratio Lower Upper

91 100

106 30.0 21.6 40.0



#53

m,p-xylene

Concen: 6.476 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014270.D

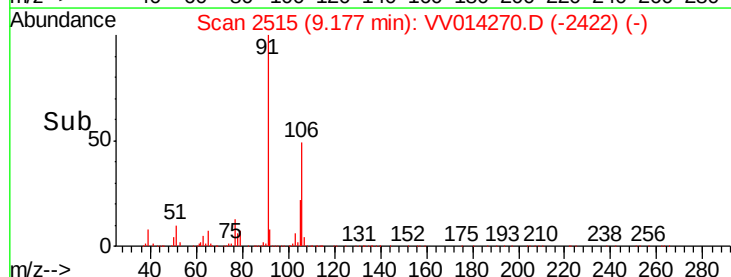
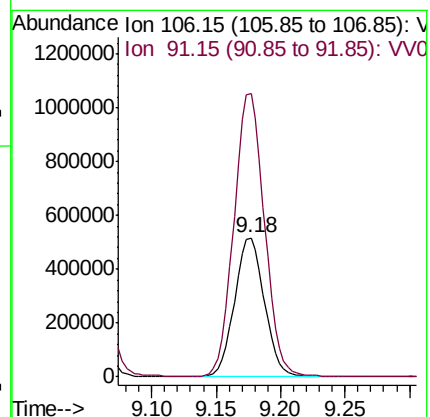
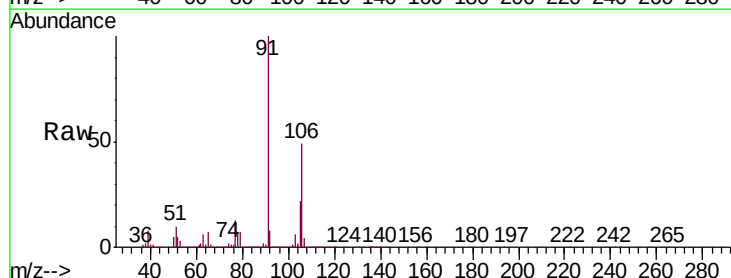
Acq: 10 Jan 2020 13:51

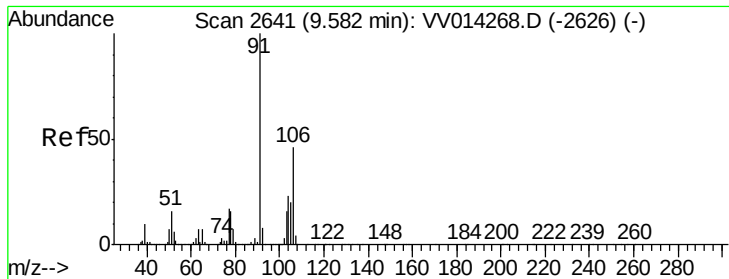
Tgt Ion: 106 Resp: 828458

Ion Ratio Lower Upper

106 100

91 204.0 146.8 272.6





#54

o-xylene

Concen: 4.091 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

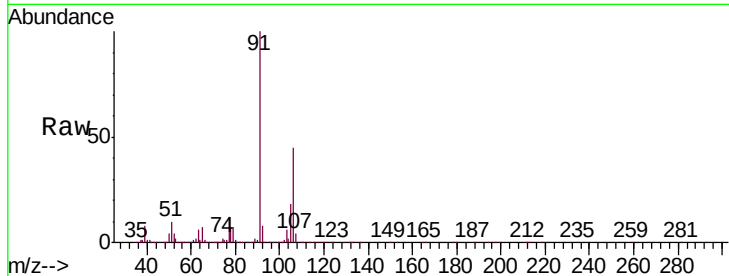
X2L39

Tgt Ion:106 Resp: 514671

Ion Ratio Lower Upper

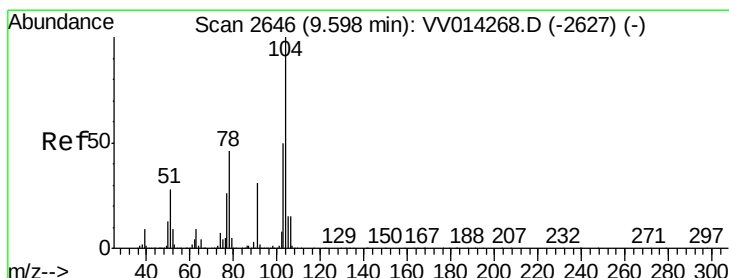
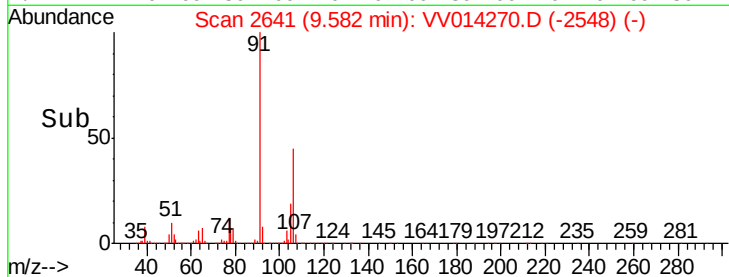
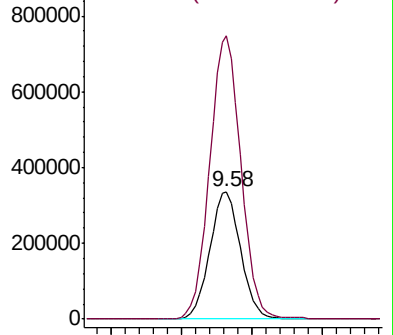
106 100

91 221.8 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.134 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.02 min

Lab File: VV014270.D

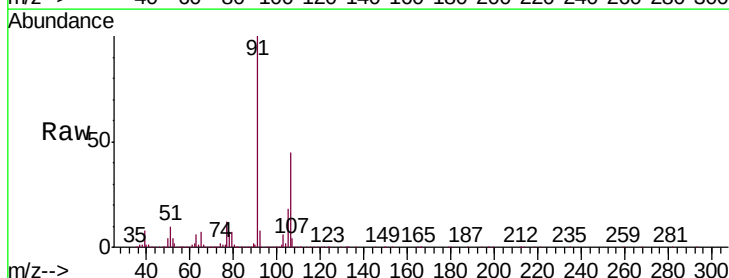
Acq: 10 Jan 2020 13:51

Tgt Ion:104 Resp: 28577

Ion Ratio Lower Upper

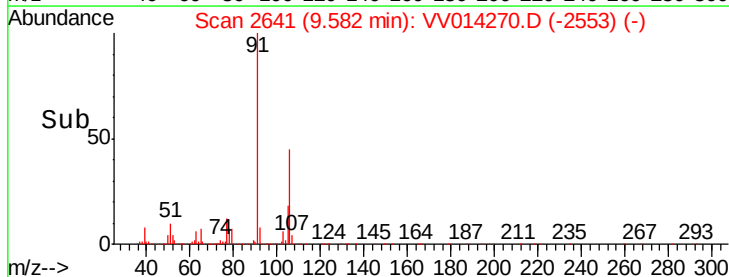
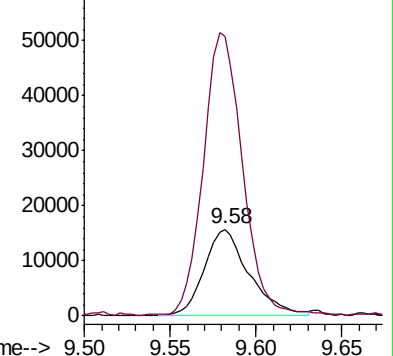
104 100

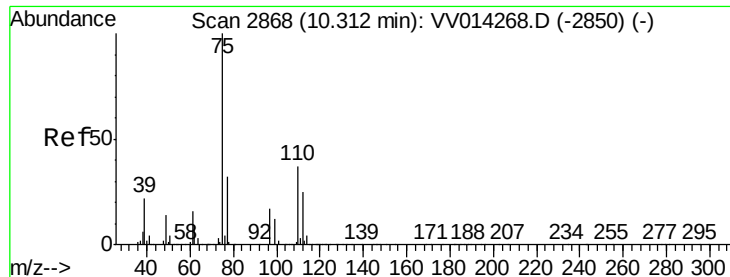
78 322.4 31.7 58.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

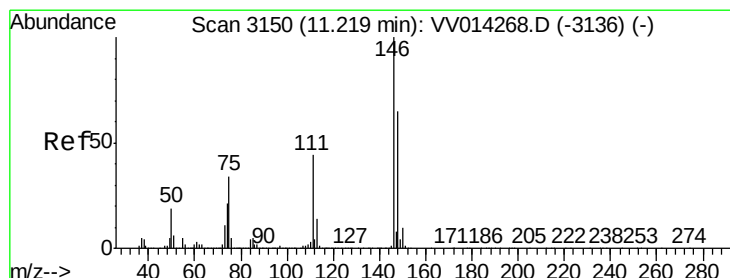
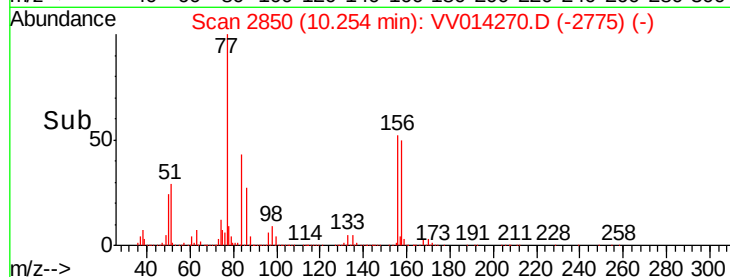
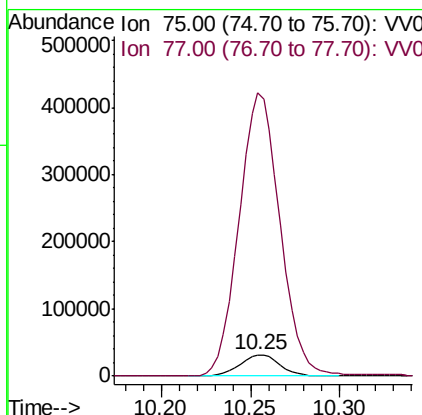
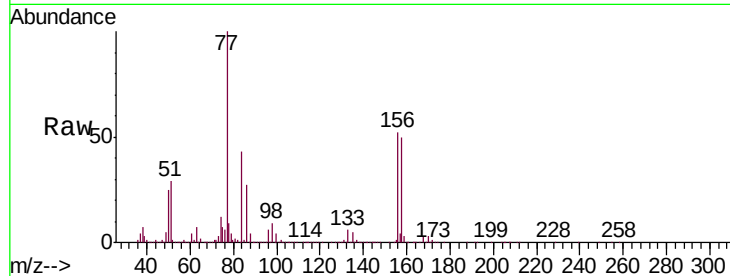




#59
 1,2,3-Trichloropropane
 Concen: 1.111 ug/L
 RT: 10.25 min Scan# 2850
 Delta R.T. -0.06 min
 Lab File: VV014270.D
 Acq: 10 Jan 2020 13:51

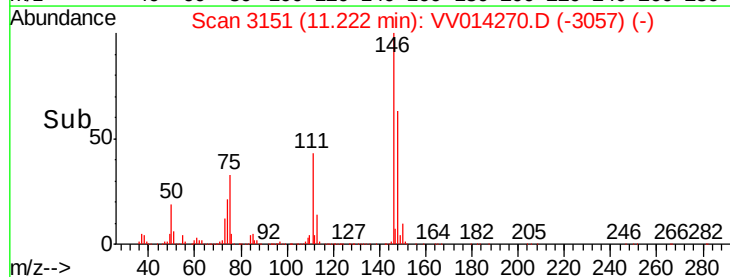
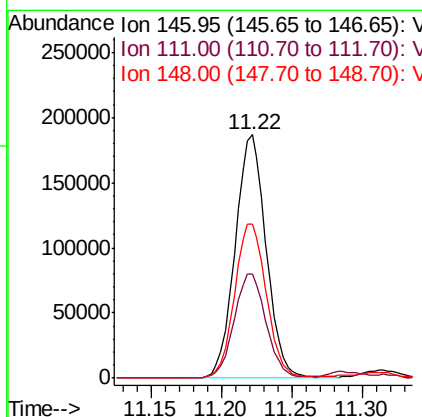
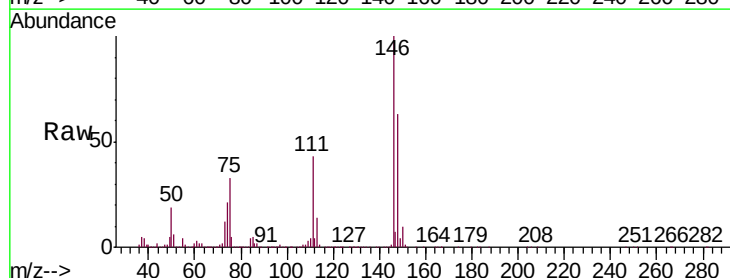
Instrument :
 MSVOA_V
 ClientSampled :
 X2L39

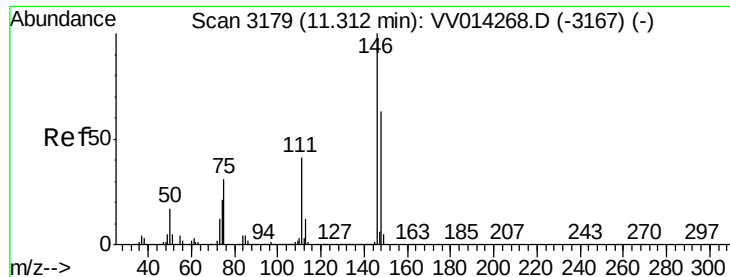
Tgt Ion: 75 Resp: 49078
 Ion Ratio Lower Upper
 75 100
 77 1384.5 25.7 38.5#



#62
 1,3-Dichlorobenzene
 Concen: 2.062 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014270.D
 Acq: 10 Jan 2020 13:51

Tgt Ion: 146 Resp: 288490
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.7 57.1
 148 63.4 44.4 82.5

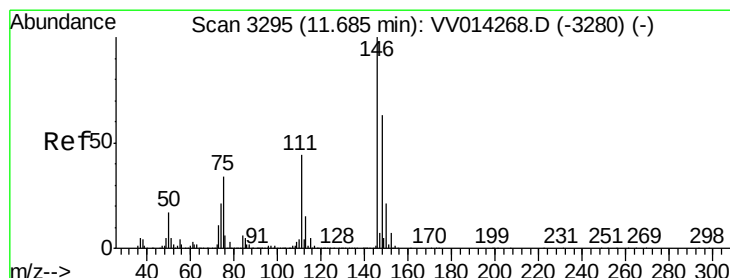
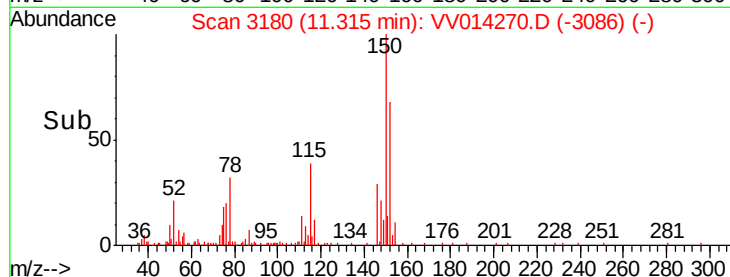
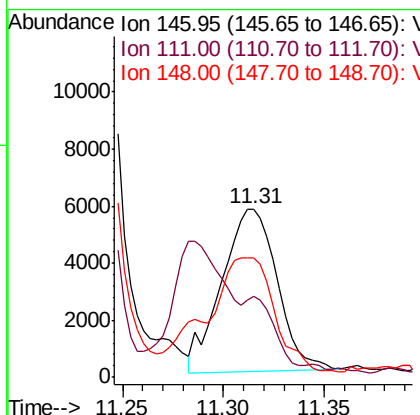
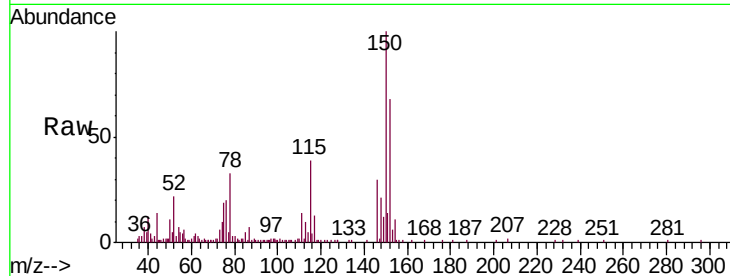




#63
1,4-Dichlorobenzene
Concen: 0.078 ug/L
RT: 11.31 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

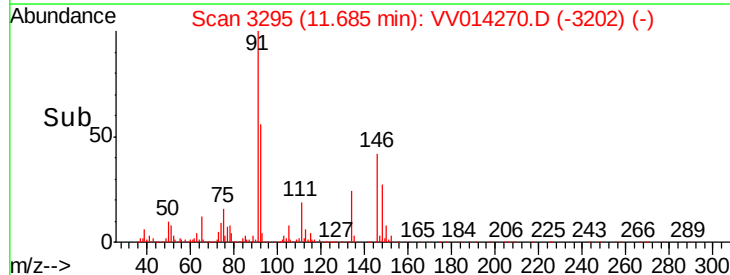
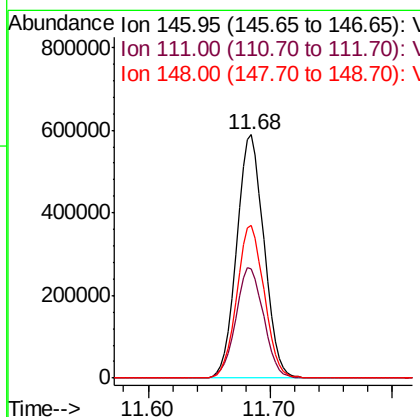
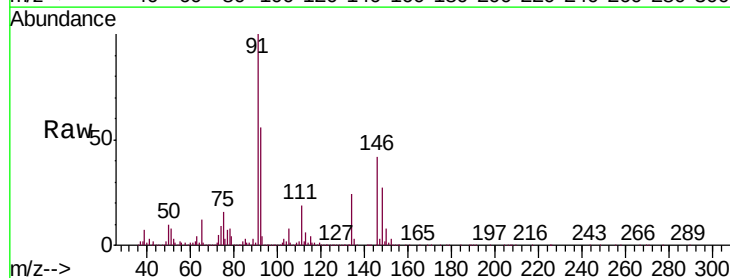
Instrument :
MSVOA_V
ClientSampled :
X2L39

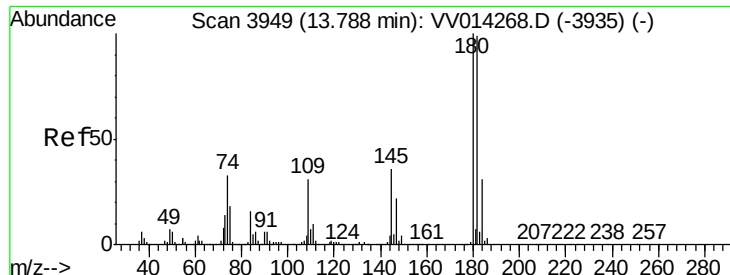
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	28.8	53.4
148	70.6	44.5	82.7



#65
1,2-Dichlorobenzene
Concen: 7.206 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. 0.00 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	36.4	54.6
148	62.9	51.3	76.9





#70

1,2,3-Trichlorobenzene

Concen: 5.180 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014270.D

Acq: 10 Jan 2020 13:51

Instrument :

MSVOA_V

ClientSampleId :

X2L39

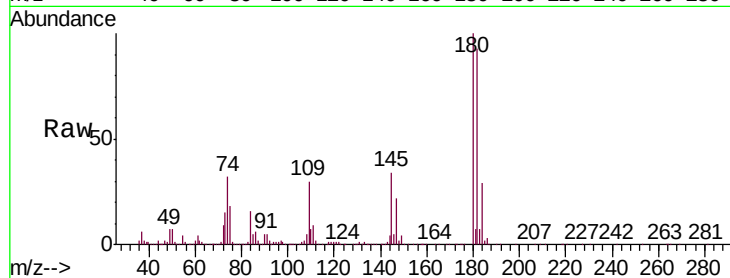
Tgt Ion:180 Resp: 406838

Ion Ratio Lower Upper

180 100

182 93.1 74.8 112.2

145 34.6 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

