

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011020\
 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 13 09:50:27 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

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
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
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
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
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
62) 1,3-Dichlorobenzene	11.22	146	288490	2.062	ug/L	99
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

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QLast Update : Sat Jan 11 00:01:14 2020
Response via : Initial Calibration

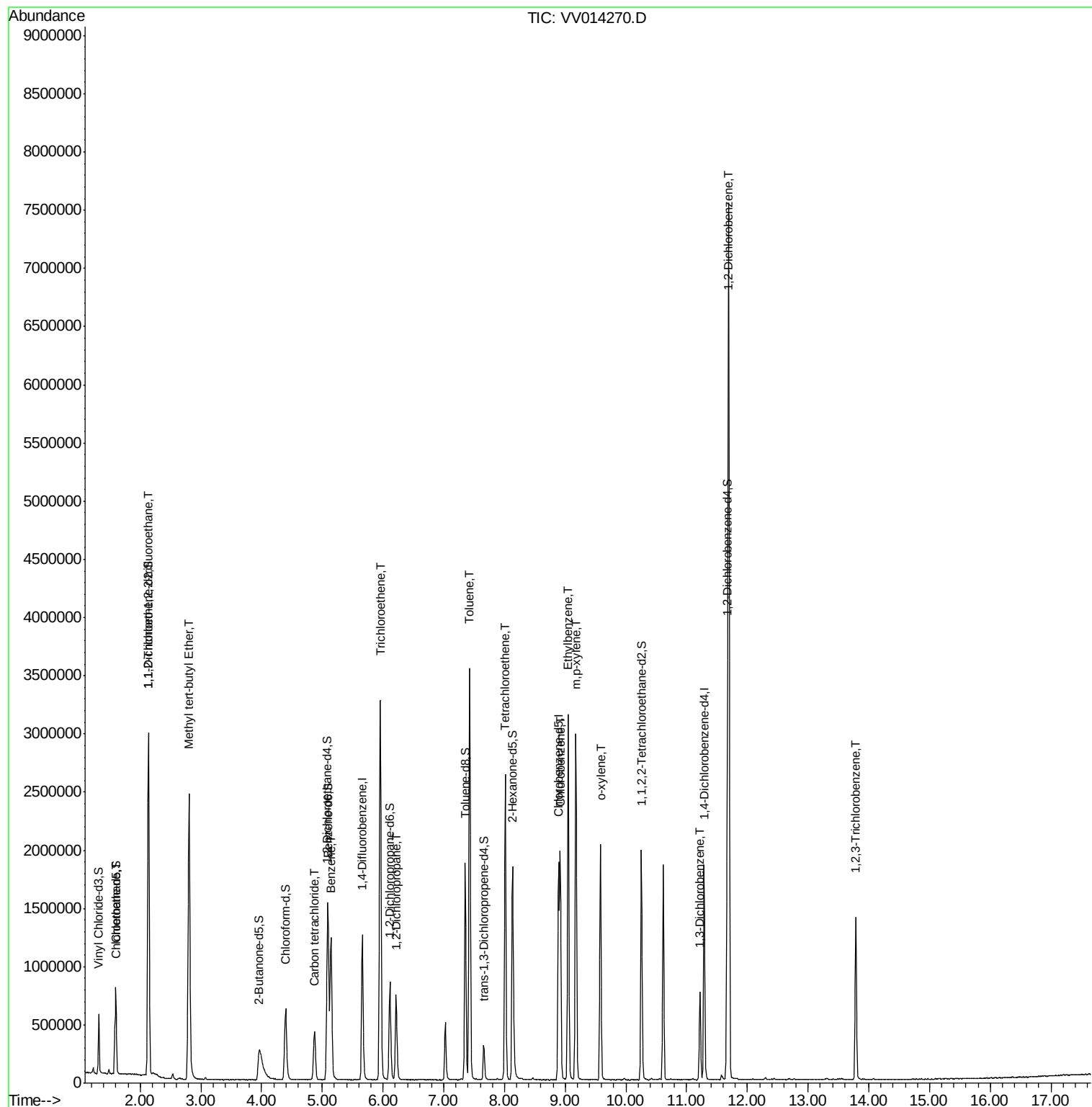
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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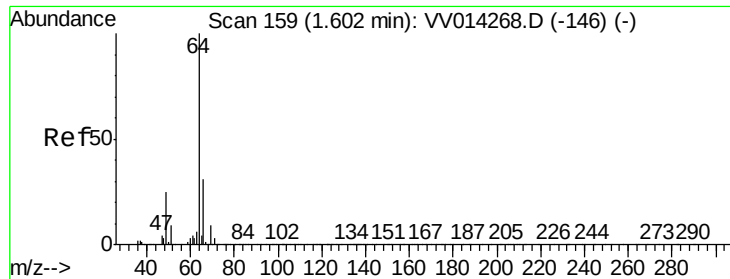
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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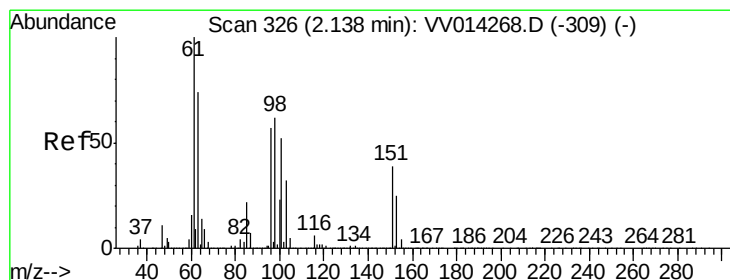
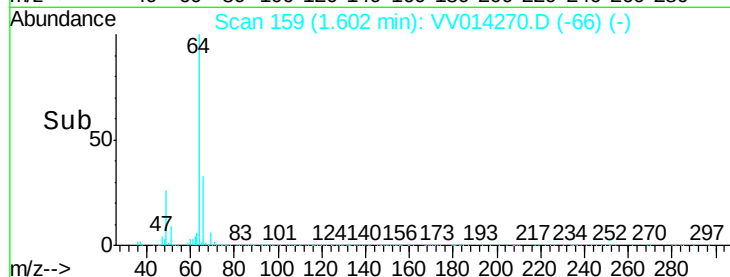
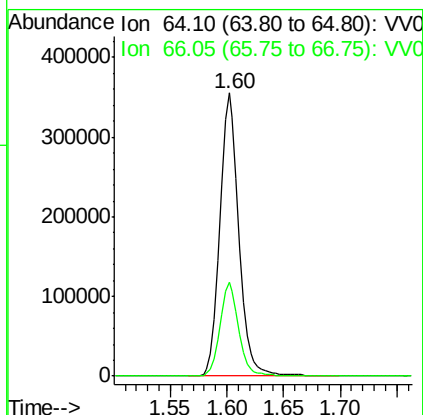
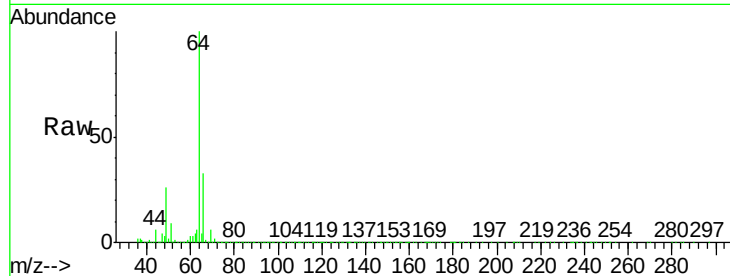




#8
Chloroethane
Concen: 9.989 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

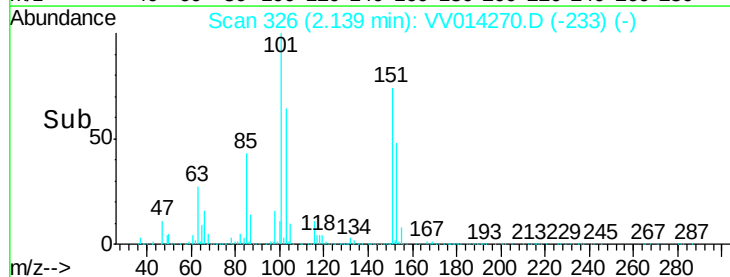
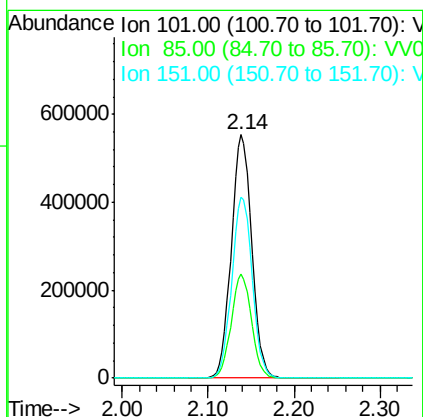
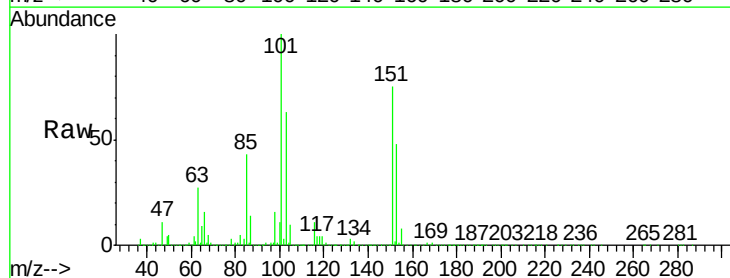
Instrument :
MSVOA_V
ClientSampleId :
X2L39

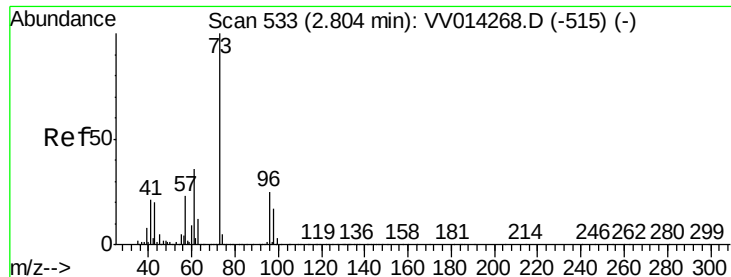
Tot Ion: 64 Resp: 416964
Ion Ratio Lower Upper
64 100
66 33.3 21.8 40.6



#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

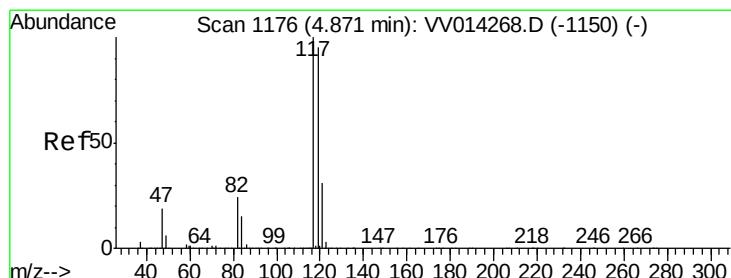
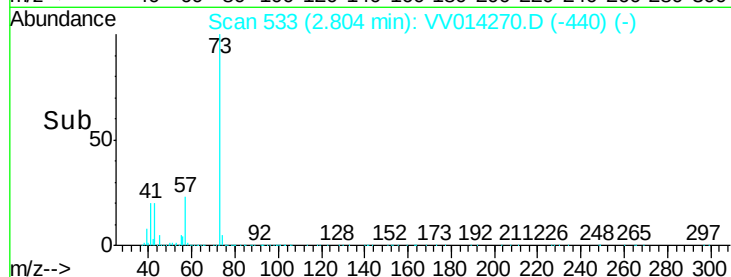
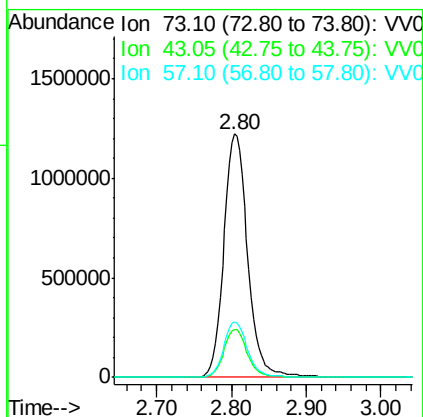
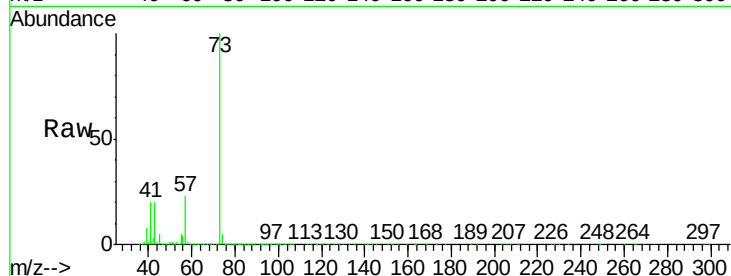




#17
Methyl tert-butyl Ether
Concen: 15.276 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

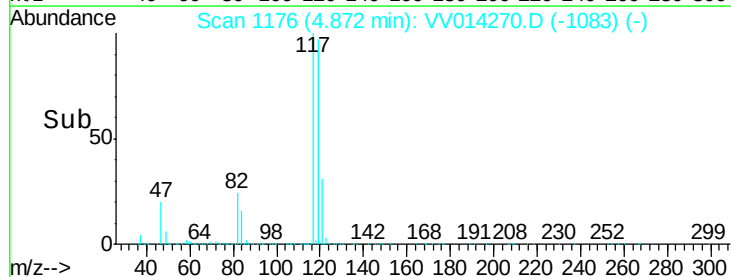
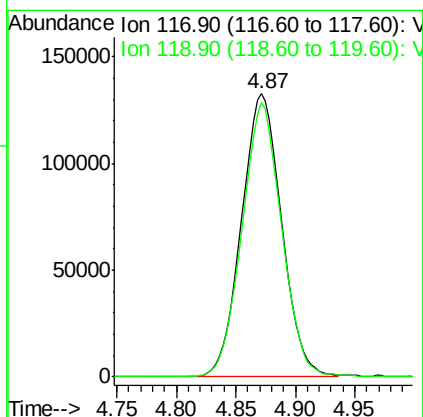
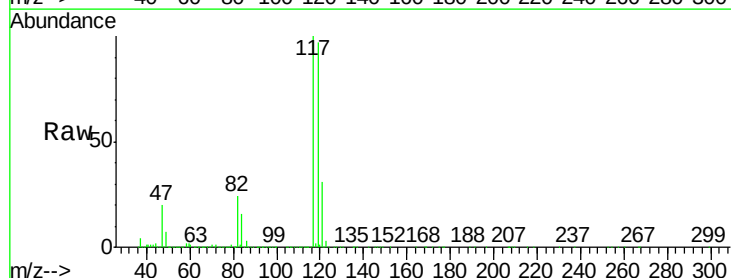
Instrument :
MSVOA_V
ClientSampleId :
X2L39

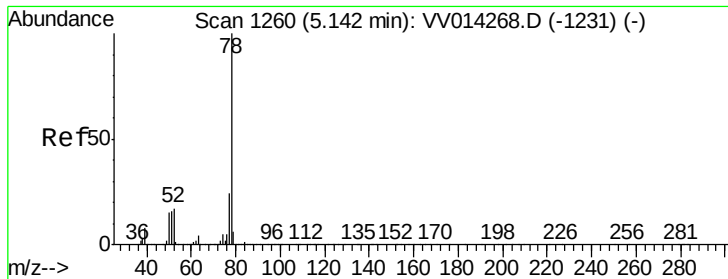
Tot Ion: 73 Resp: 2681186
Ion Ratio Lower Upper
73 100
43 19.5 14.7 22.1
57 22.6 17.9 26.9



#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





#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

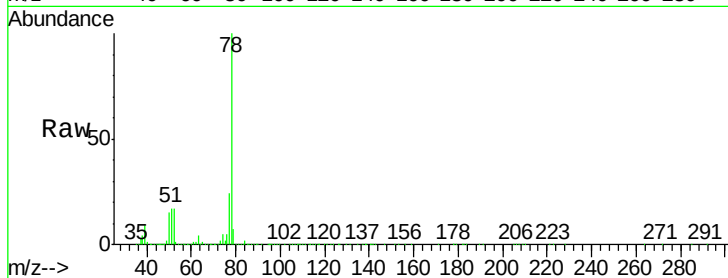
Instrument :

MSVOA_V

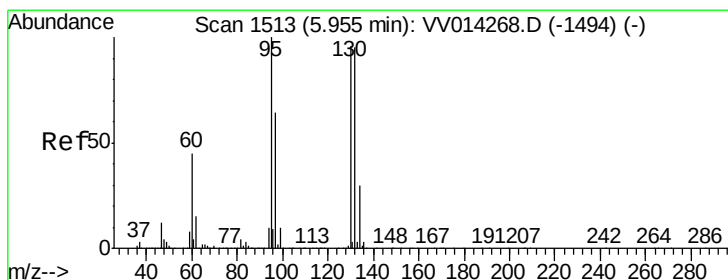
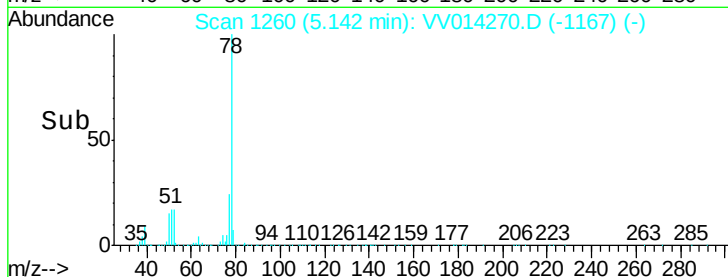
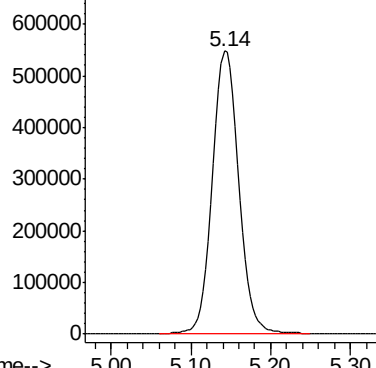
ClientSampleId :

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

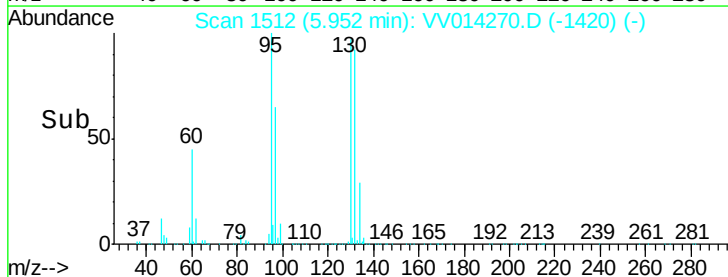
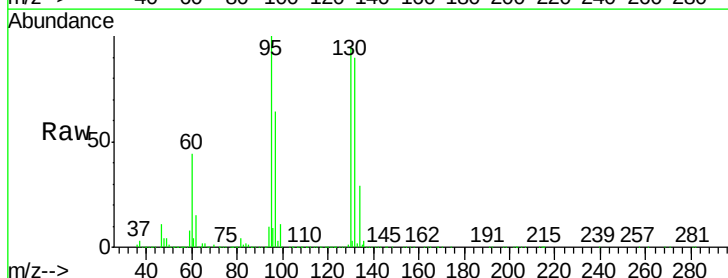
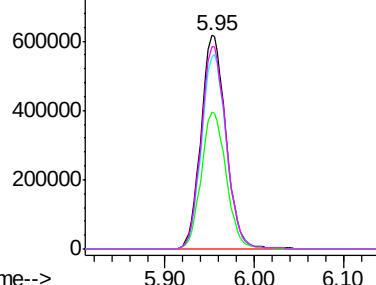
Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.8	81.3
132	89.9	63.4	117.8
130	94.8	65.7	122.1

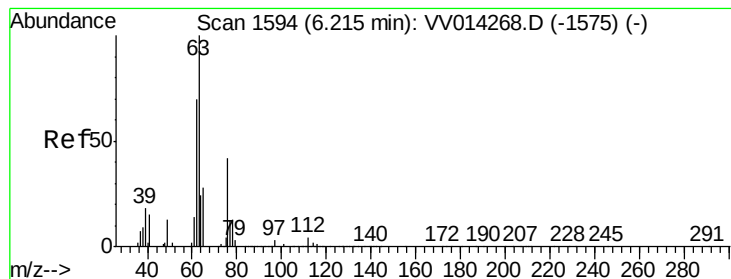
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#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

Instrument :

MSVOA_V

ClientSampleId :

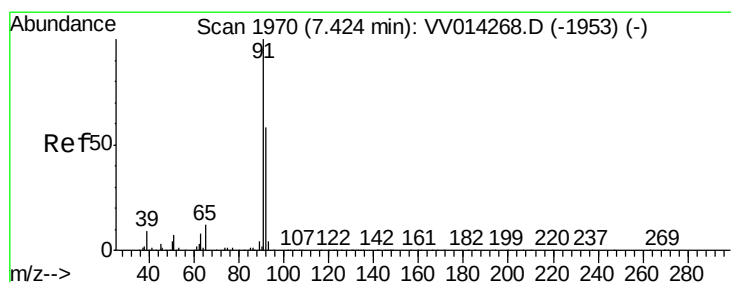
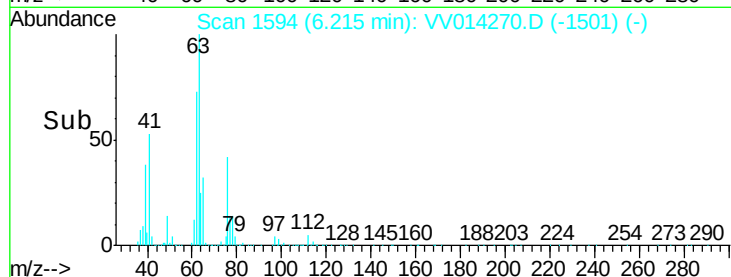
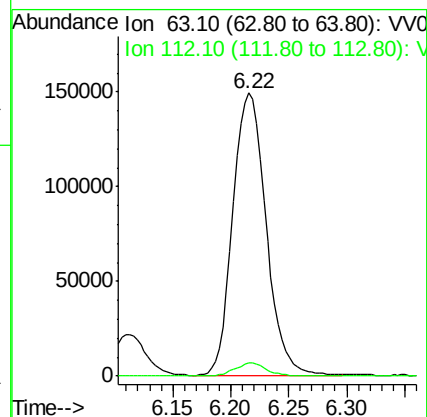
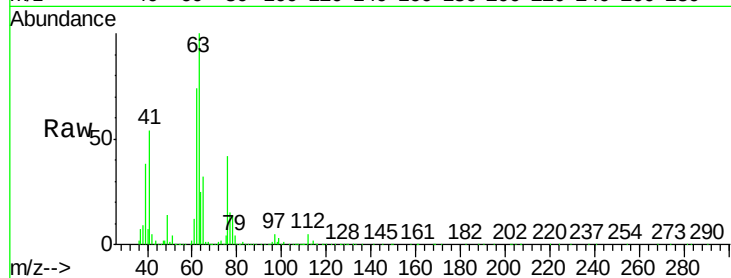
X2L39

Tot Ion: 63 Resp: 296400

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

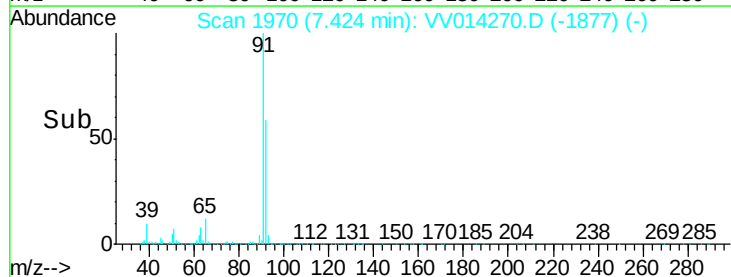
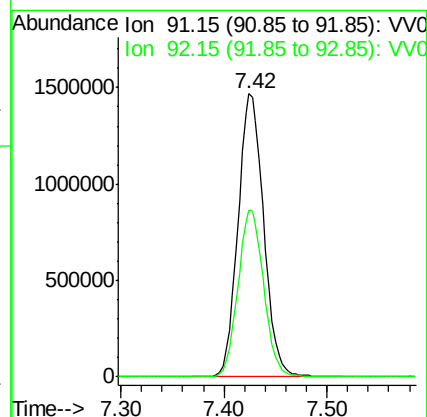
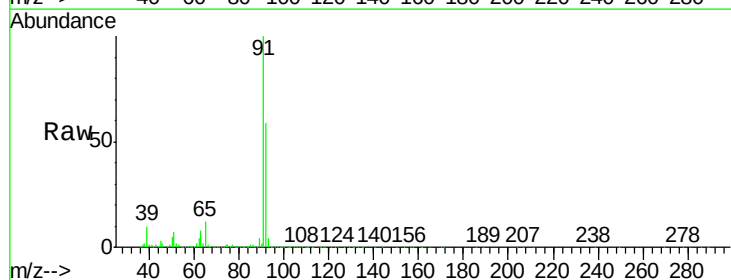
Acq: 10 Jan 2020 13:51

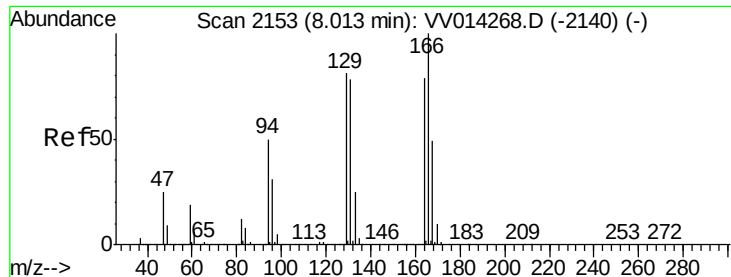
Tgt Ion: 91 Resp: 2543099

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.6

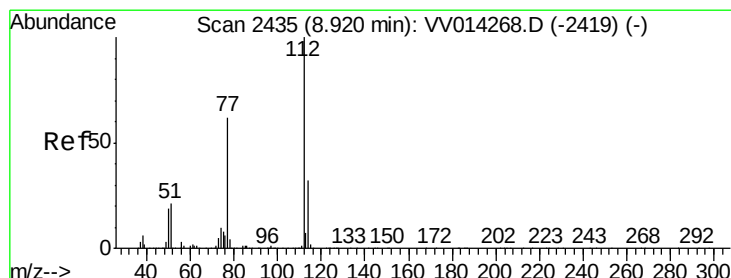
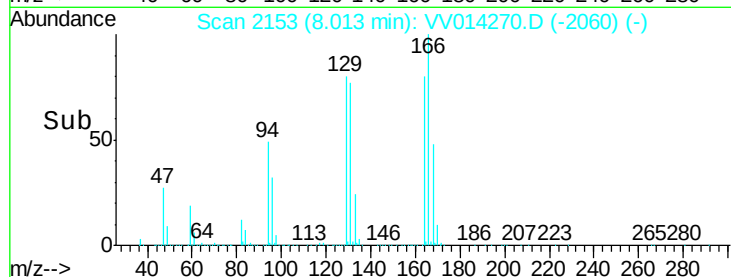
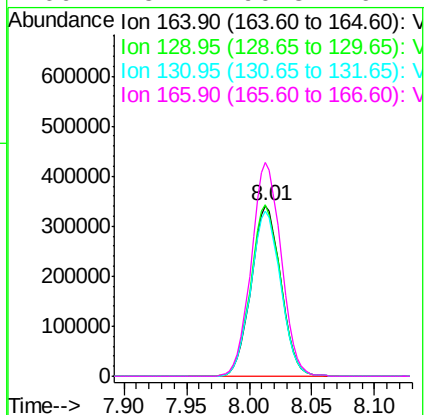
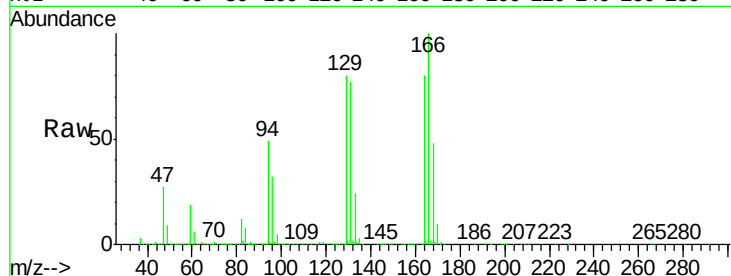




#47
Tetrachloroethene
Concen: 10.897 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014270.D
Acq: 10 Jan 2020 13:51

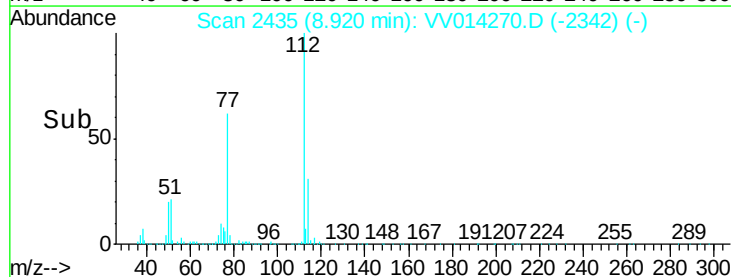
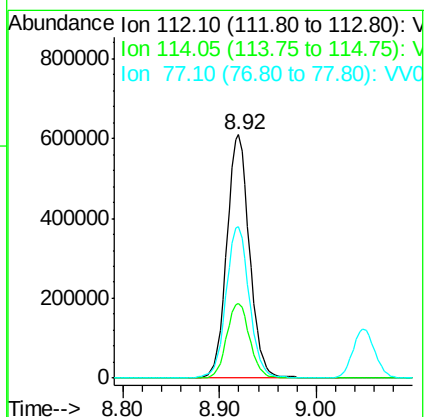
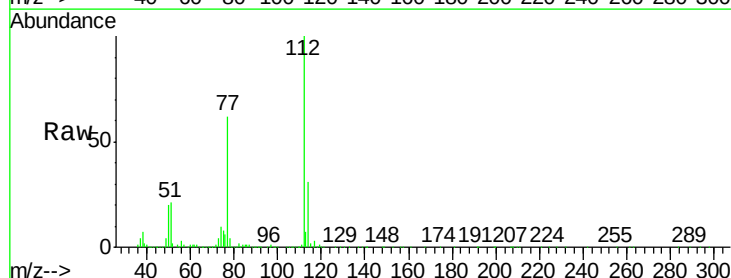
Instrument :
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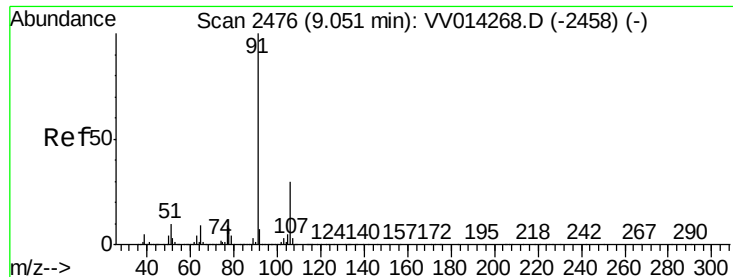
Tot Ion	Ratio	Lower	Upper
164	100		
129	100.2	71.7	133.3
131	96.8	70.4	130.8
166	125.1	90.3	167.7



#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	Ratio	Lower	Upper
112	100		
114	30.8	22.5	41.7
77	62.4	49.3	73.9





#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 :

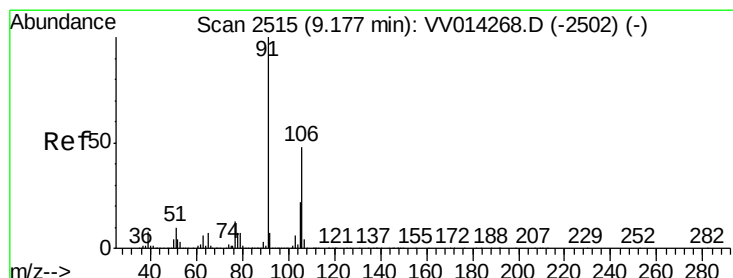
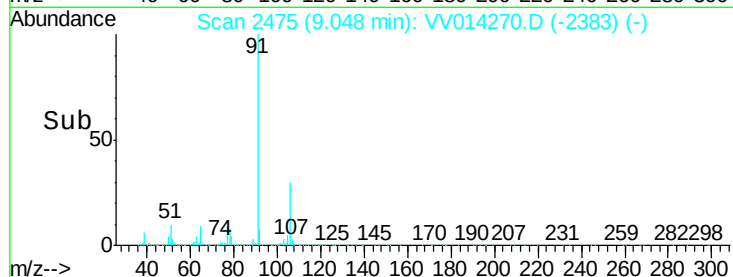
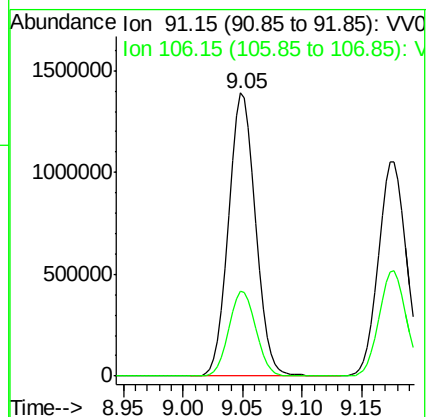
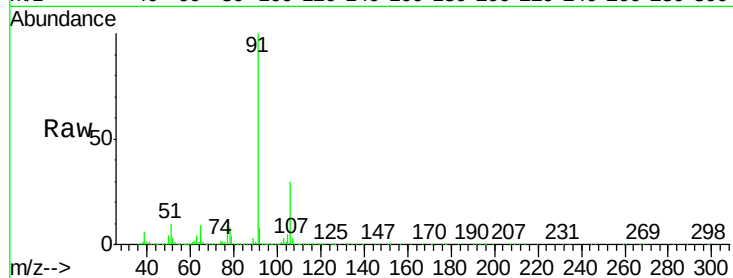
X2L39

Tot Ion: 91 Resp: 2188554

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

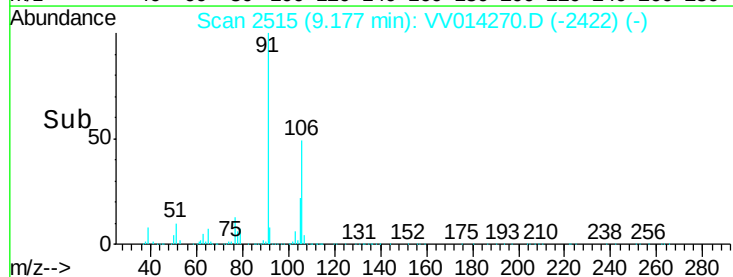
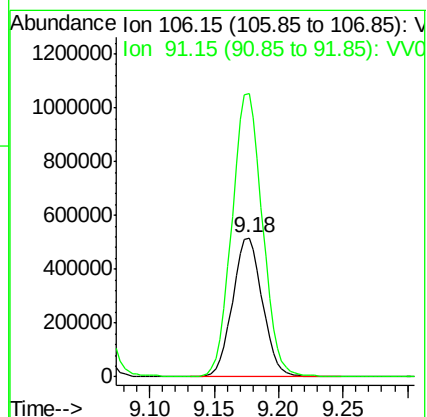
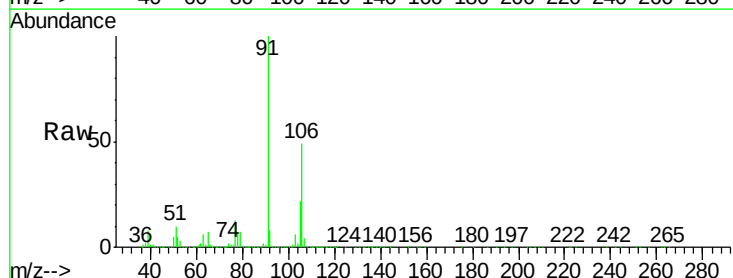
Acq: 10 Jan 2020 13:51

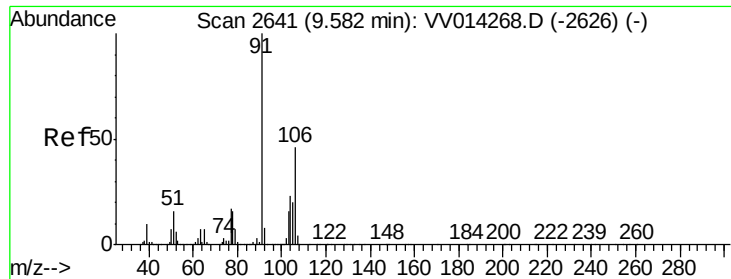
Tgt Ion: 106 Resp: 828458

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

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Acq: 10 Jan 2020 13:51

Instrument :

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ClientSampleId :

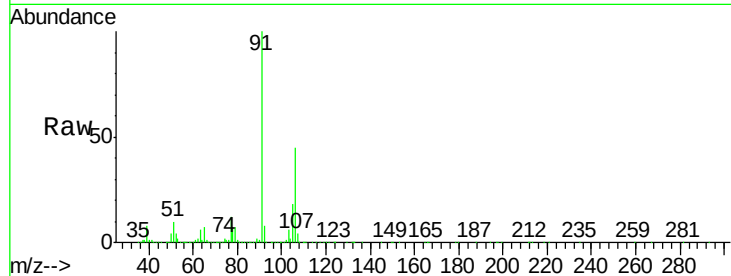
X2L39

Tot Ion:106 Resp: 514671

Ion Ratio Lower Upper

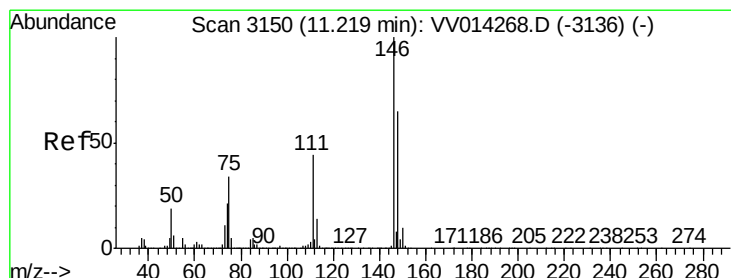
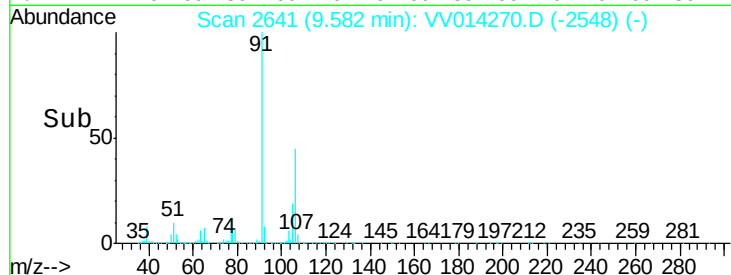
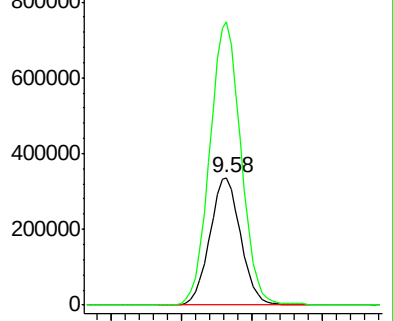
106 100

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



#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

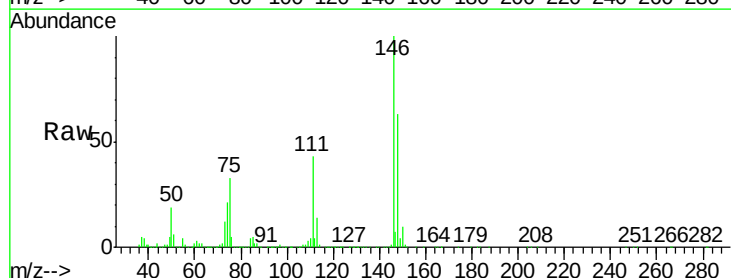
Tgt Ion:146 Resp: 288490

Ion Ratio Lower Upper

146 100

111 42.8 30.7 57.1

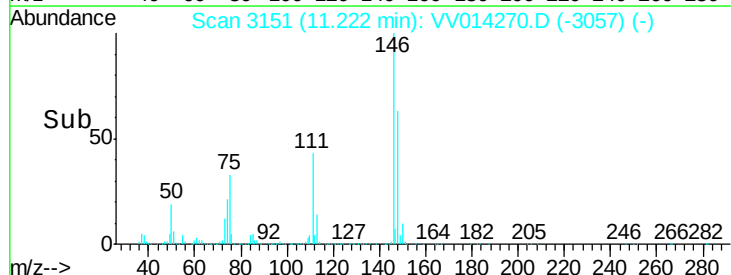
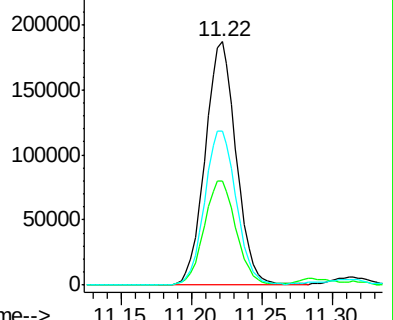
148 63.4 44.4 82.5

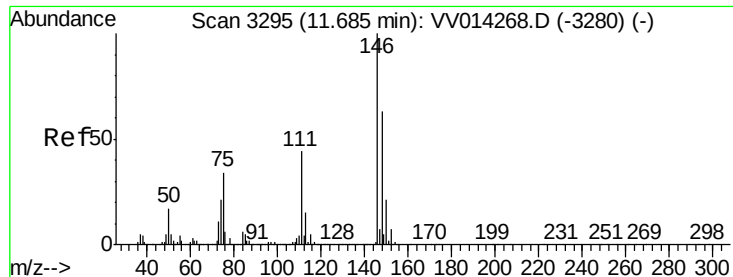


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

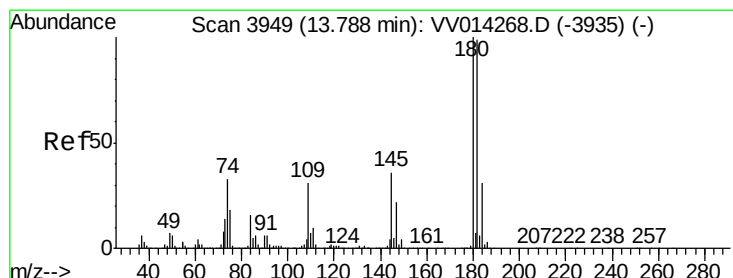
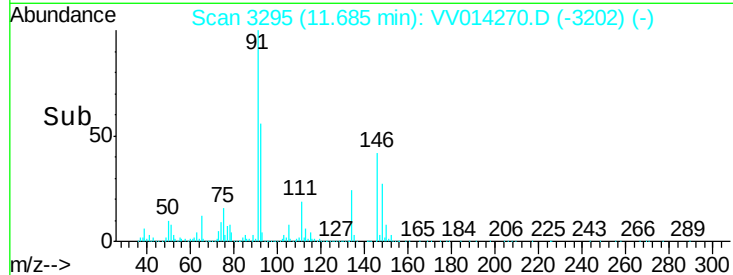
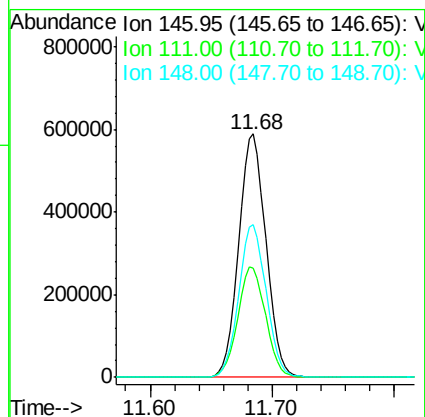
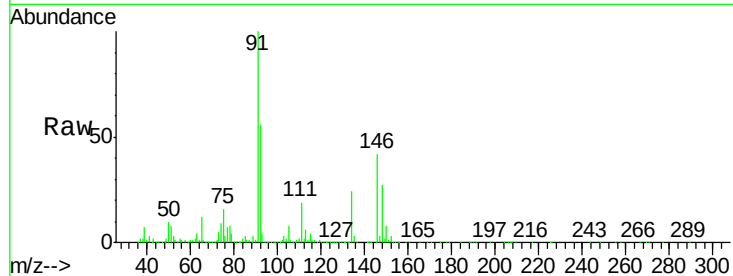




#65
 1,2-Dichlorobenzene
 Concen: 7.206 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014270.D
 Acq: 10 Jan 2020 13:51

Instrument :
 MSVOA_V
 ClientSampleId :
 X2L39

Tot 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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	74.8	112.2
145	34.6	29.0	43.6

