

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016039.D
 Acq On : 13 May 2020 14:35
 Operator : SY/MD
 Sample : L2542-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:29:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	148536	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148962	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66675	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49333	6.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.40%
7) Chloroethane-d5	1.58	69	45622	5.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.40%
11) 1,1-Dichloroethene-d2	2.12	63	73294	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	3.93	46	123869	53.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.78%
24) Chloroform-d	4.38	84	96308	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.06	65	53628	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.08	84	190740	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.10	67	57848	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.34	98	166522	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
45) trans-1,3-Dichloropropene-	7.65	79	17430	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
48) 2-Hexanone-d5	8.12	63	94555	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39454	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	59768	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.59	64	1986	0.253	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1484	0.174	ug/L #	65
12) 1,1-Dichloroethene	2.13	96	811	0.099	ug/L #	1
13) Acetone	2.21	43	2762	1.822	ug/L	83
17) Methyl tert-butyl Ether	2.79	73	6313	0.297	ug/L #	91
22) cis-1,2-Dichloroethene	3.95	96	3286	0.347	ug/L	93
25) Chloroform	4.41	83	6778	0.354	ug/L	97
27) 1,2-Dichloroethane	5.08	62	1370	0.116	ug/L #	76
34) Trichloroethene	5.94	95	12832	1.200	ug/L	94
35) Methylcyclohexane	6.10	83	14173	0.876	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7196	0.756	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1395	0.104	ug/L #	48
46) trans-1,3-Dichloropropene	7.65	75	770	0.068	ug/L	85
49) Tetrachloroethene	8.00	164	90255	12.092	ug/L	99
50) 2-Hexanone	8.12	43	15821	3.770	ug/L #	83
51) Dibromochloromethane	8.00	129	85960	12.031	ug/L #	10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 14 02:25:38 2020
Response via : Initial Calibration

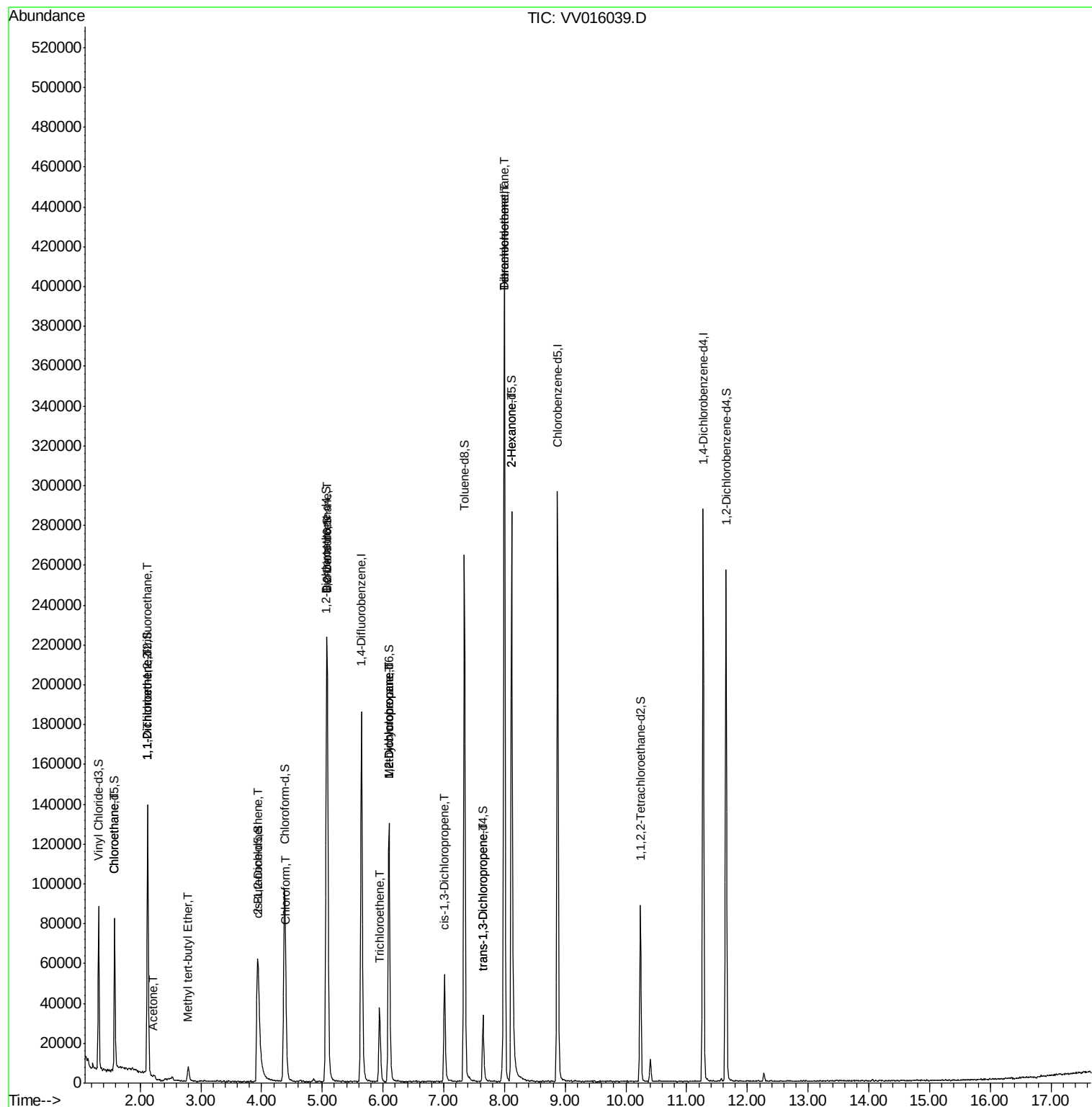
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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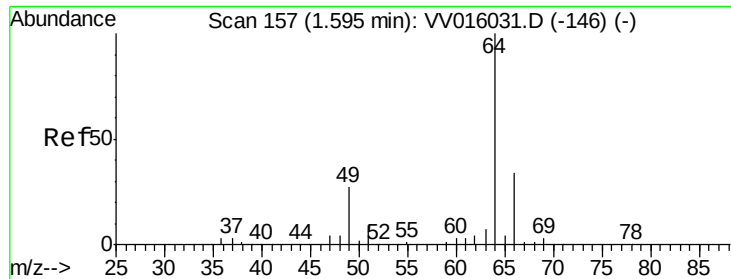
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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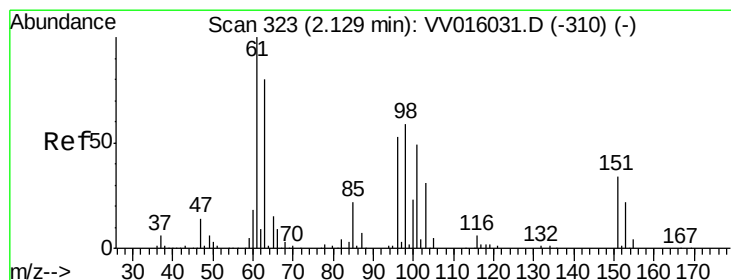
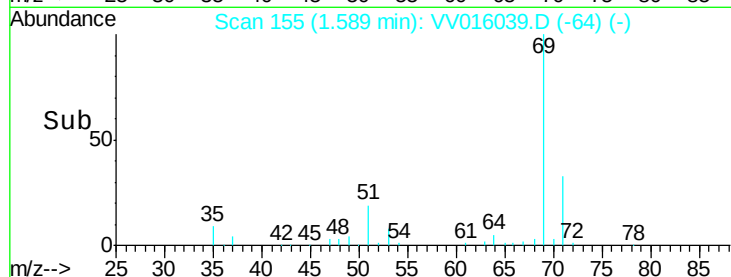
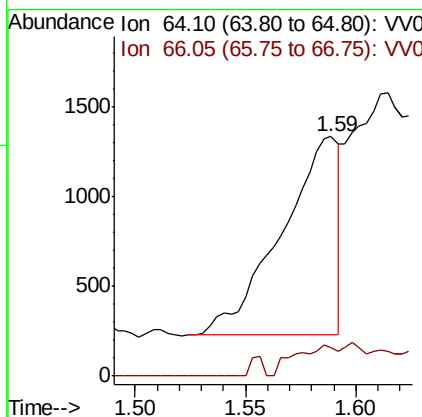
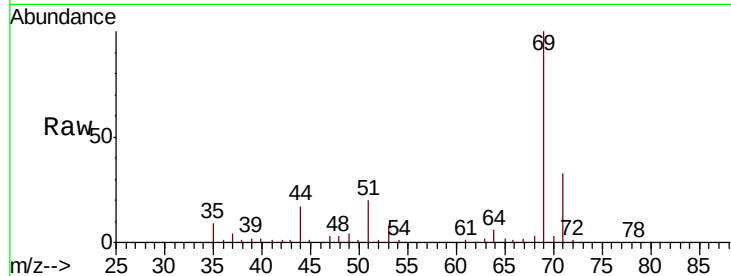




#8
Chloroethane
Concen: 0.253 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.01 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

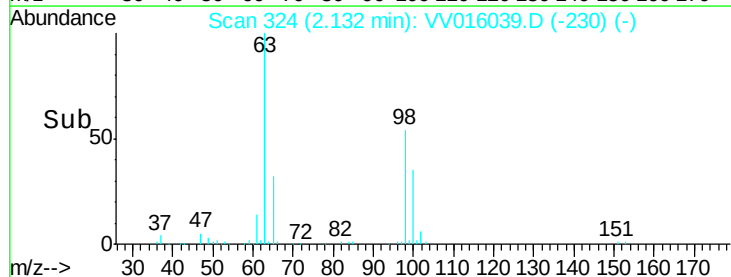
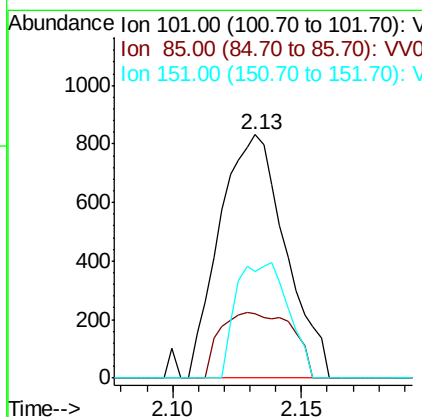
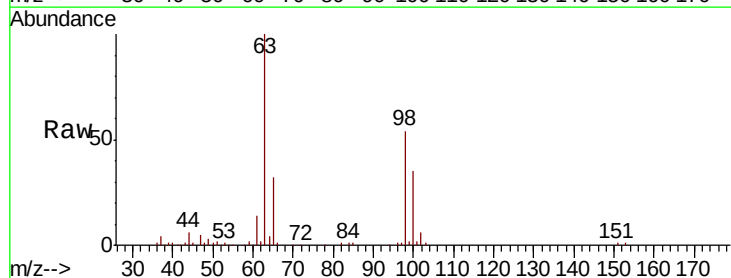
Instrument :
MSVOA_V
ClientSampleId :

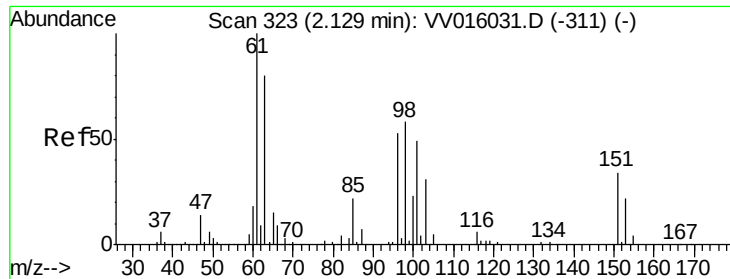
Tot Ion: 64 Resp: 1986
Ion Ratio Lower Upper
64 100
66 11.8 23.6 43.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.174 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

Tgt Ion:101 Resp: 1484
Ion Ratio Lower Upper
101 100
85 29.2 35.7 53.5#
151 37.5 58.0 87.0#

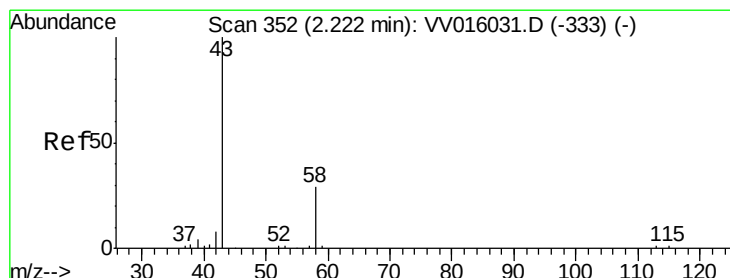
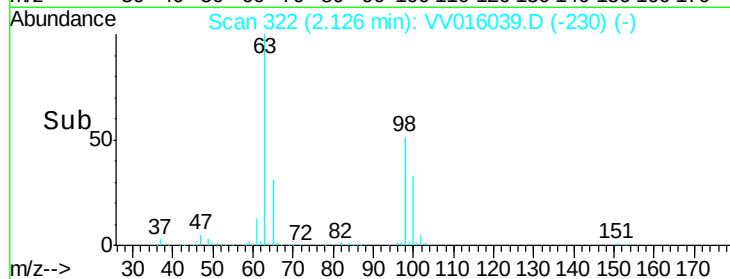
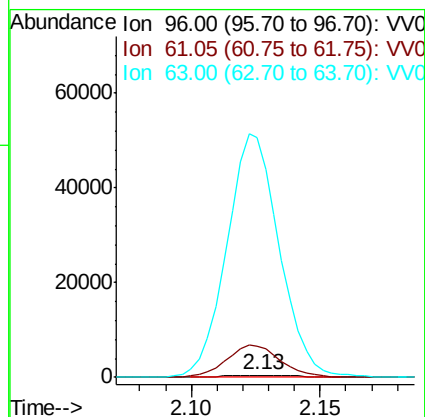
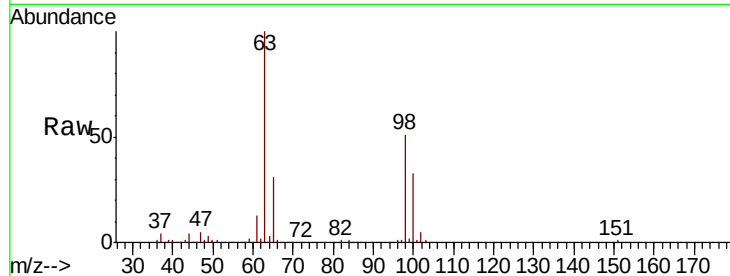




#12
 1,1-Dichloroethene
 Concen: 0.099 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV016039.D
 Acq: 13 May 2020 14:35

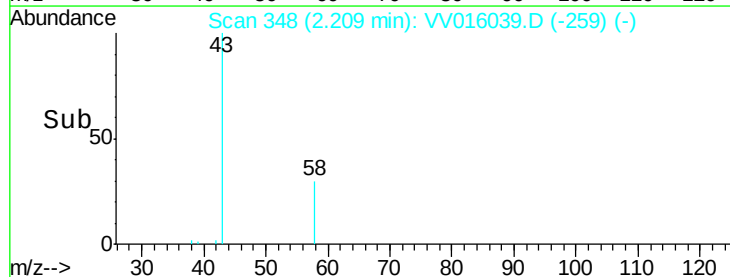
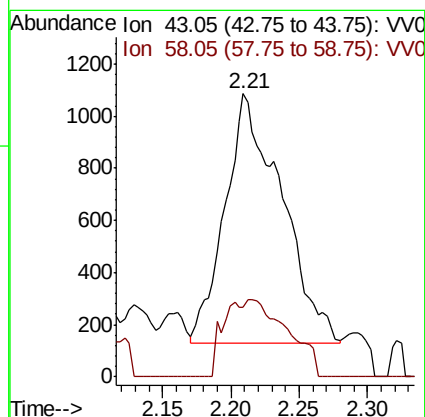
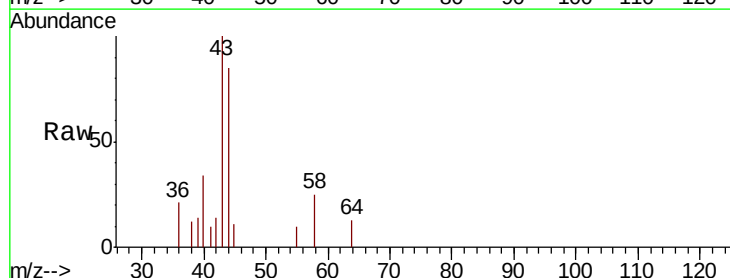
Instrument :
 MSVOA_V
 ClientSampleId :

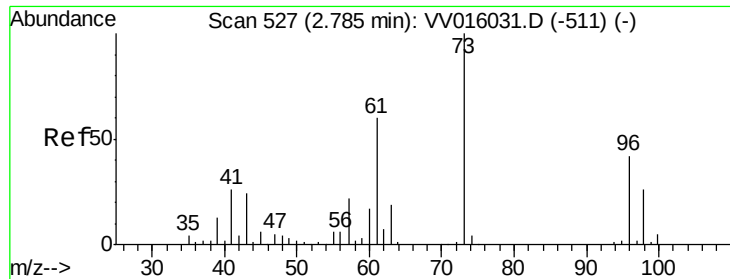
Tot Ion: 96 Resp: 811
 Ion Ratio Lower Upper
 96 100
 61 1424.4 139.9 259.7#
 63 10741.4 106.4 197.6#



#13
 Acetone
 Concen: 1.822 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VV016039.D
 Acq: 13 May 2020 14:35

Tgt Ion: 43 Resp: 2762
 Ion Ratio Lower Upper
 43 100
 58 22.6 0.0 30.8

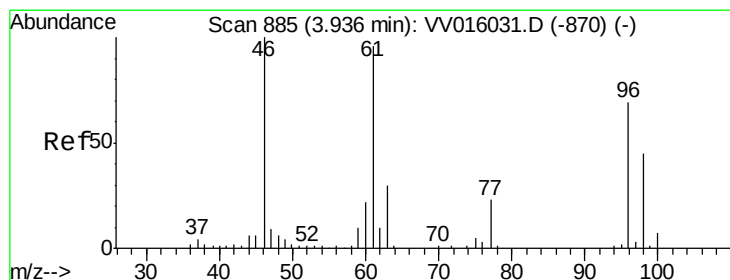
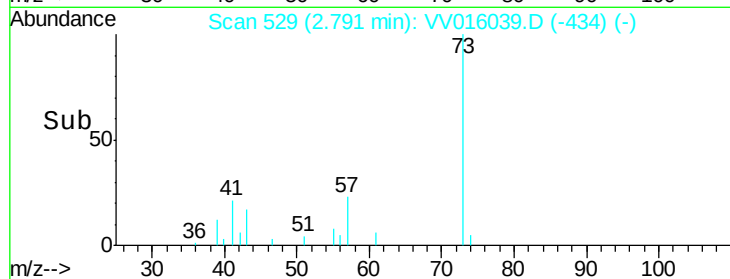
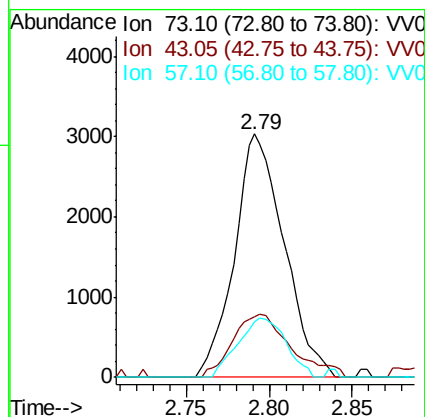
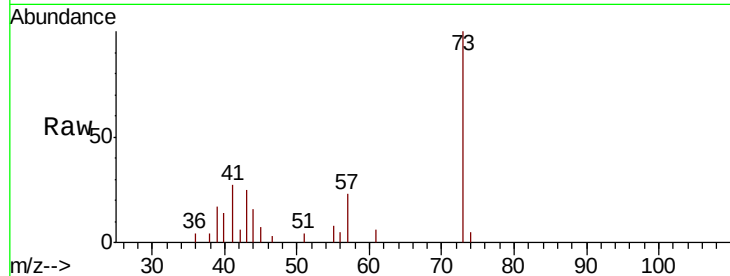




#17
Methyl tert-butyl Ether
Concen: 0.297 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

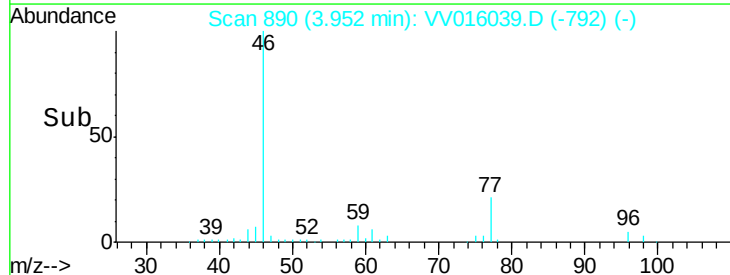
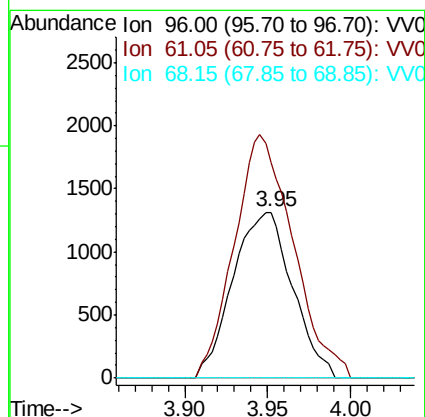
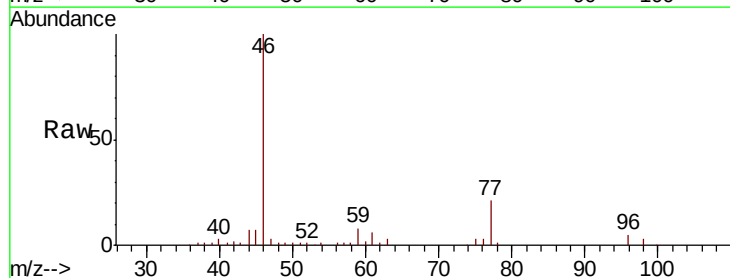
Instrument :
MSVOA_V
ClientSampleId :

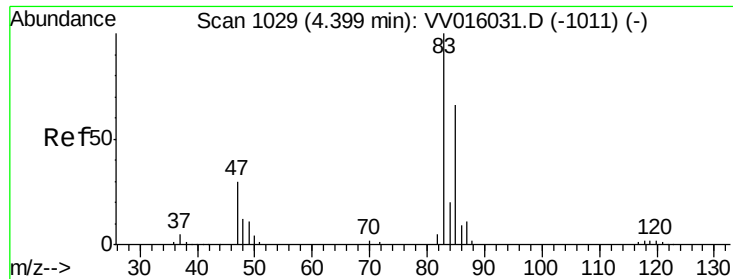
Tot Ion: 73 Resp: 6313
Ion Ratio Lower Upper
73 100
43 30.4 18.8 28.2#
57 23.6 17.8 26.6



#22
cis-1,2-Dichloroethene
Concen: 0.347 ug/L
RT: 3.95 min Scan# 890
Delta R.T. 0.02 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

Tgt Ion: 96 Resp: 3286
Ion Ratio Lower Upper
96 100
61 130.0 97.2 180.6
68 0.0 0.0 0.0

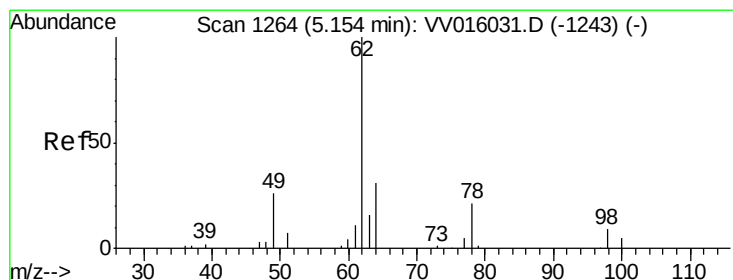
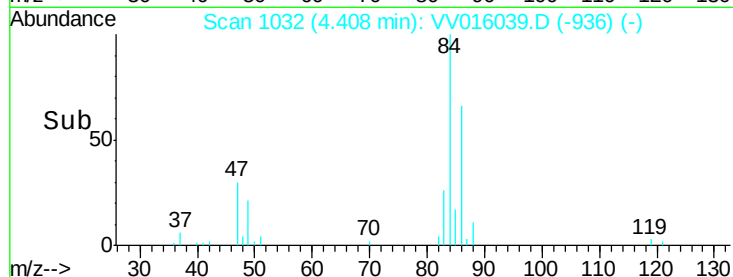
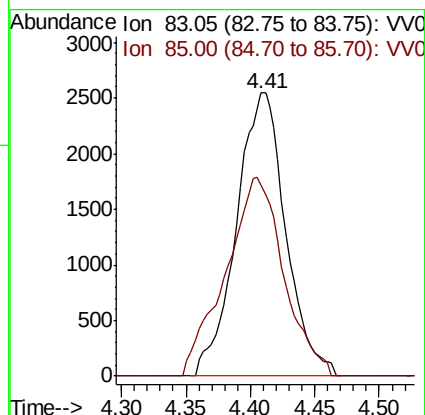
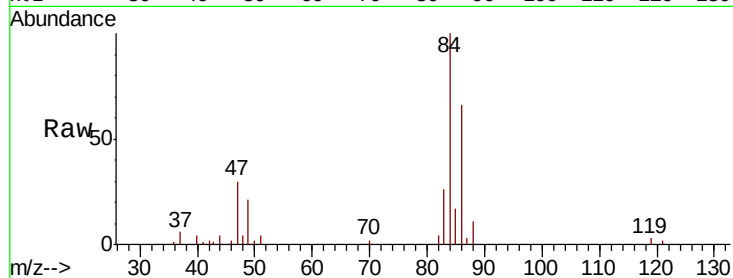




#25
Chloroform
Concen: 0.354 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

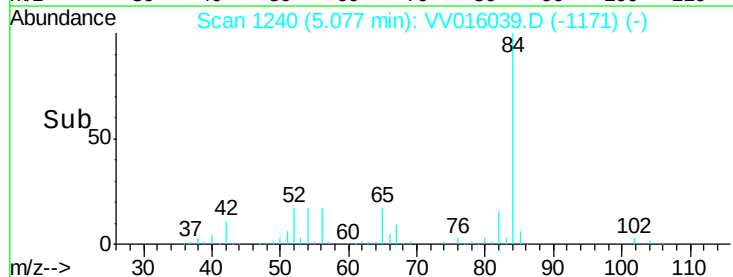
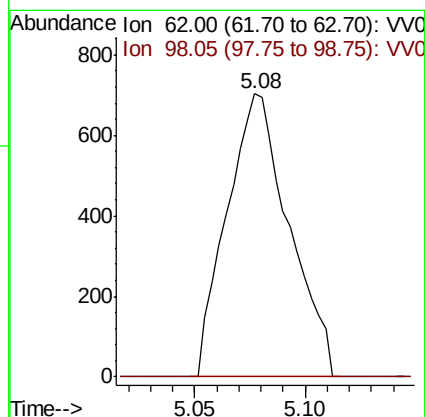
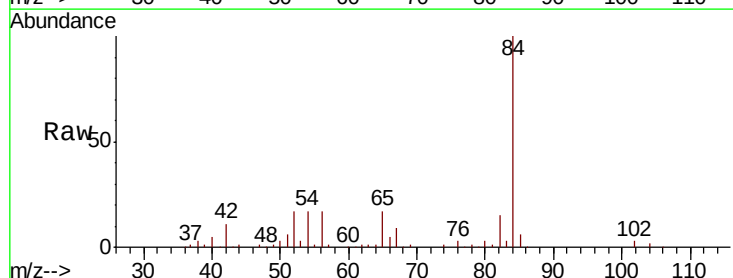
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ClientSampleId :

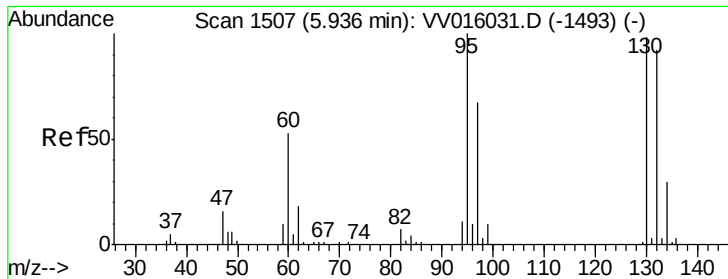
Tot Ion: 83 Resp: 6778
Ion Ratio Lower Upper
83 100
85 67.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.116 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

Tgt Ion: 62 Resp: 1370
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 1.200 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016039.D

Acq: 13 May 2020 14:35

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 12832

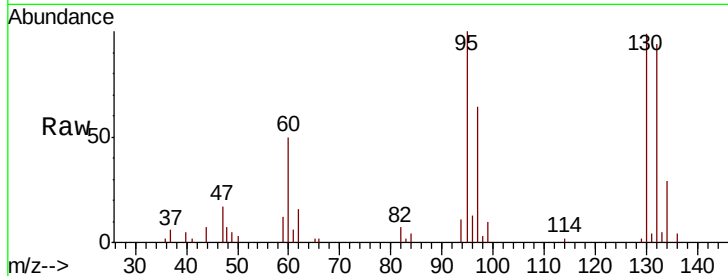
Ion Ratio Lower Upper

95 100

97 64.2 43.3 80.5

132 93.9 60.3 112.1

130 98.9 66.0 122.6

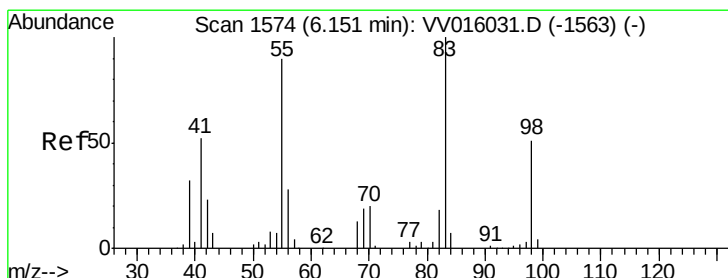
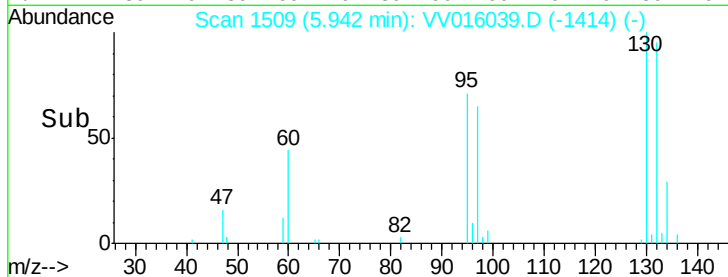
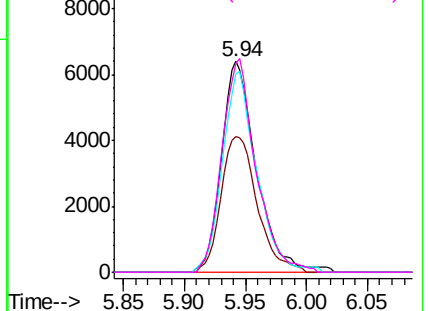


Abundance Ion 95.00 (94.70 to 95.70): VV016039.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV016039.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV016039.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV016039.D (-1493) (-)



#35

Methylcyclohexane

Concen: 0.876 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016039.D

Acq: 13 May 2020 14:35

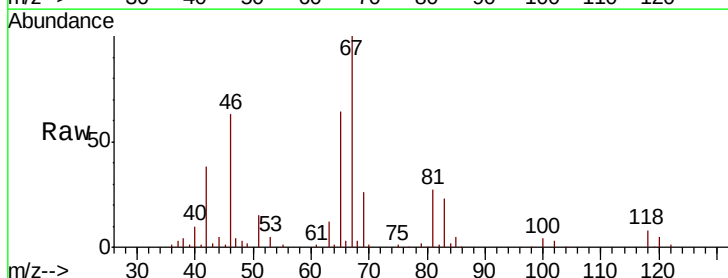
Tgt Ion: 83 Resp: 14173

Ion Ratio Lower Upper

83 100

55 1.0 66.2 99.2#

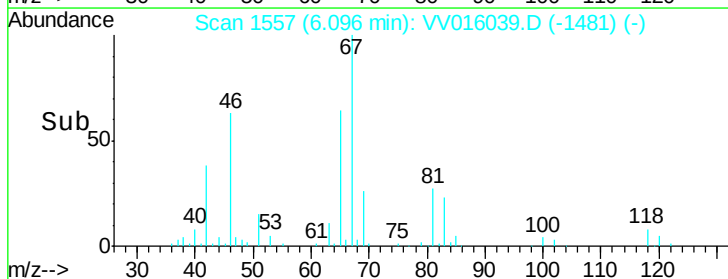
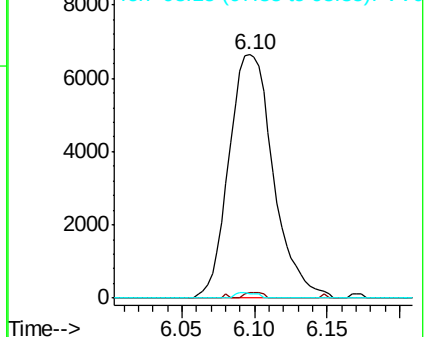
98 1.1 37.9 56.9#

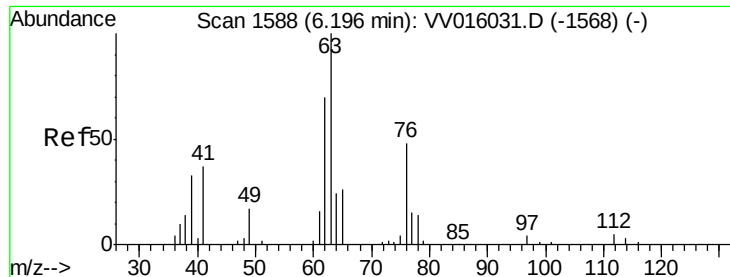


Abundance Ion 83.15 (82.85 to 83.85): VV016039.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV016039.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV016039.D (-1481) (-)

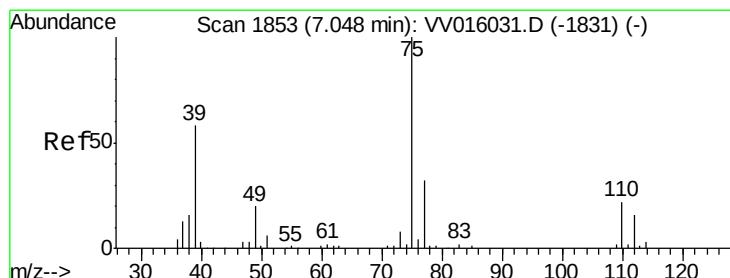
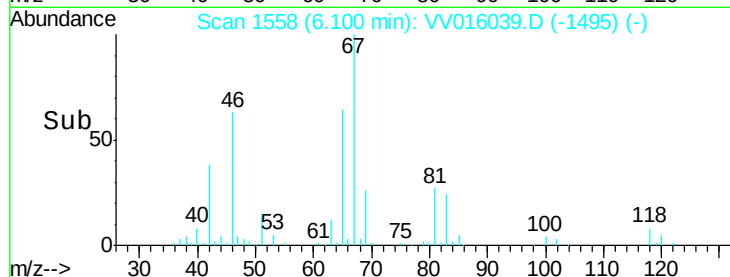
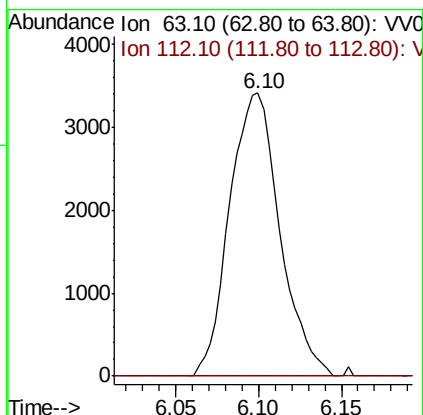
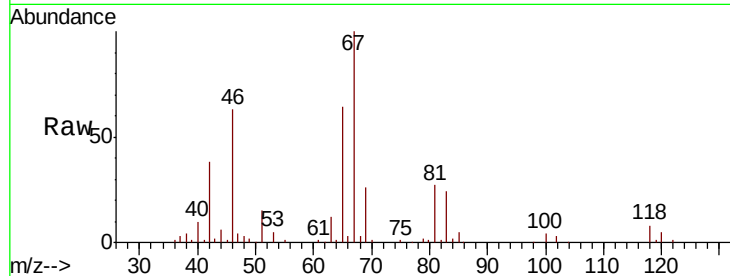




#37
 1,2-Dichloropropane
 Concen: 0.756 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV016039.D
 Acq: 13 May 2020 14:35

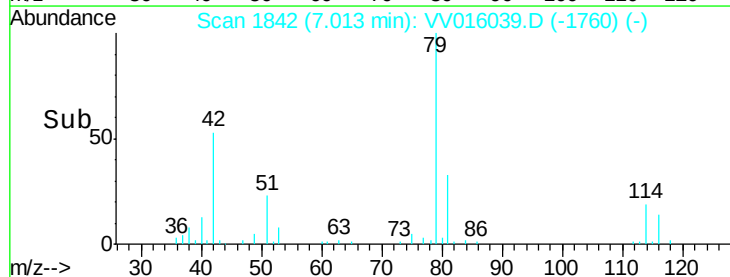
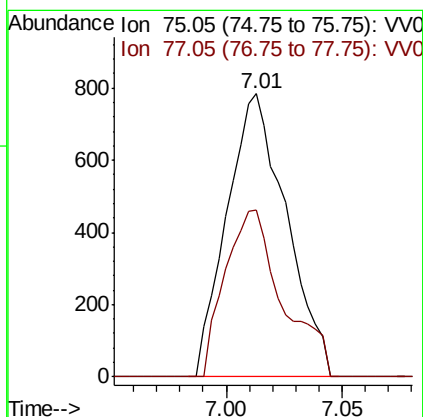
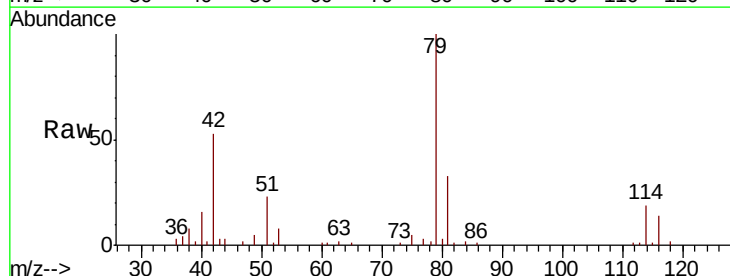
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 MSVOA_V
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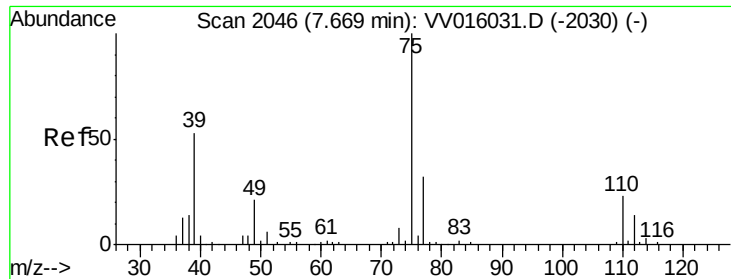
Tot Ion: 63 Resp: 7196
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016039.D
 Acq: 13 May 2020 14:35

Tgt Ion: 75 Resp: 1395
 Ion Ratio Lower Upper
 75 100
 77 58.8 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV016039.D

Acq: 13 May 2020 14:35

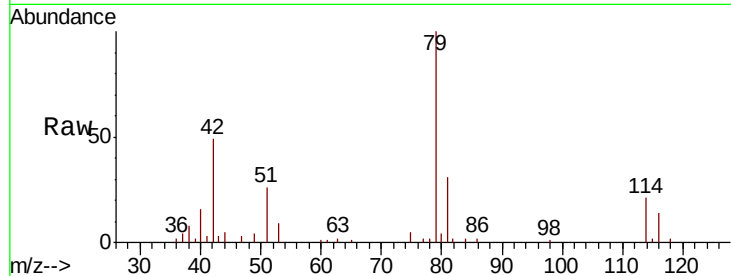
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 770

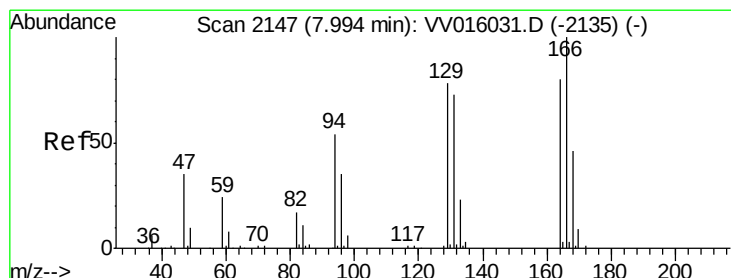
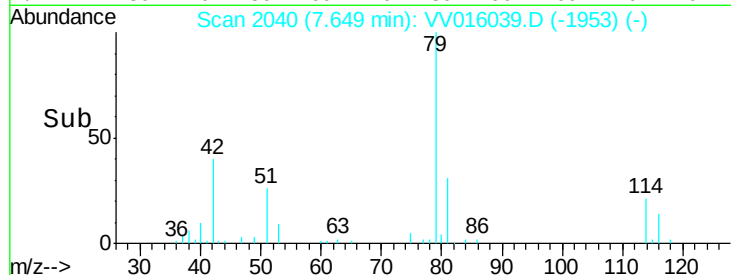
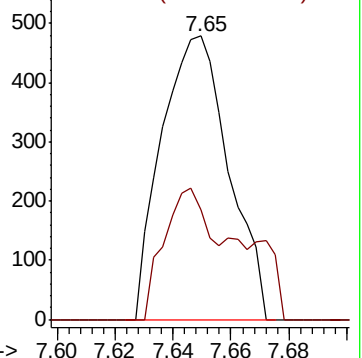
Ion Ratio Lower Upper

75 100

77 38.5 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016039.D (-1953) (-)



#49

Tetrachloroethene

Concen: 12.092 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016039.D

Acq: 13 May 2020 14:35

Tgt Ion: 164 Resp: 90255

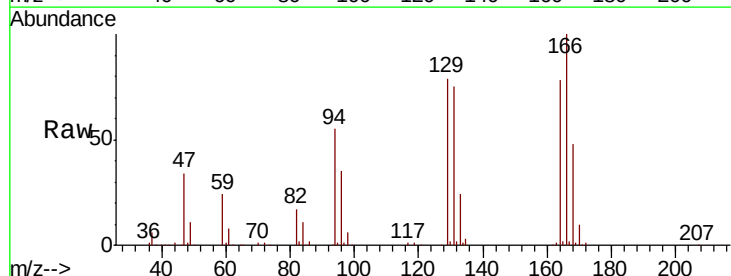
Ion Ratio Lower Upper

164 100

129 100.6 69.7 129.4

131 95.9 66.8 124.2

166 127.7 89.1 165.5

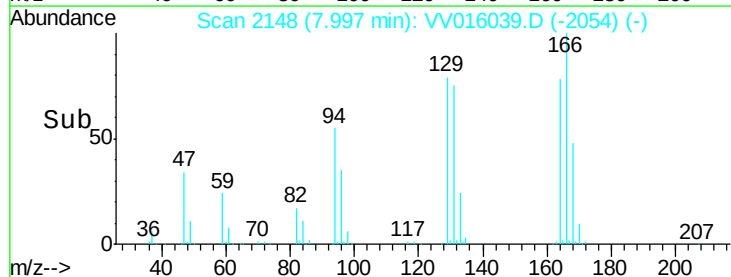
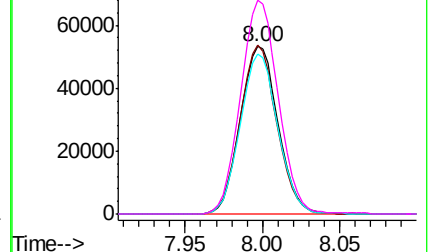


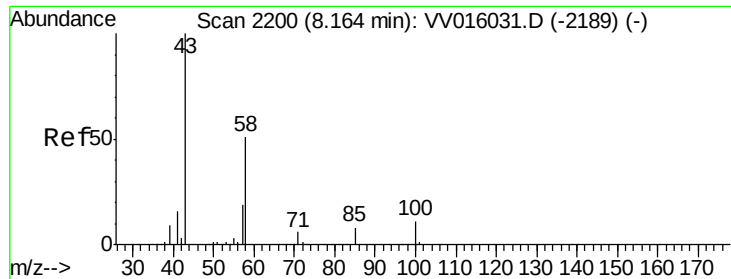
Abundance Ion 163.90 (163.60 to 164.60): VV016039.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV016039.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV016039.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV016039.D (-2054) (-)

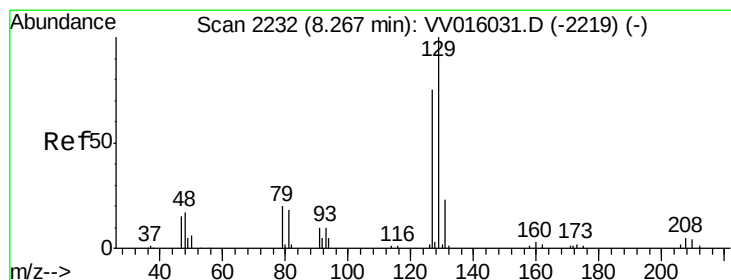
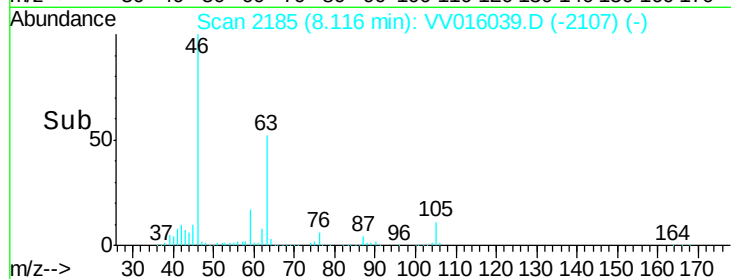
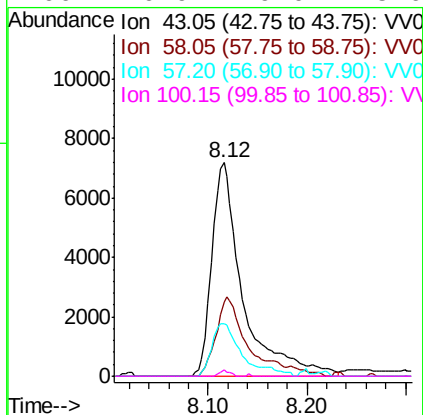
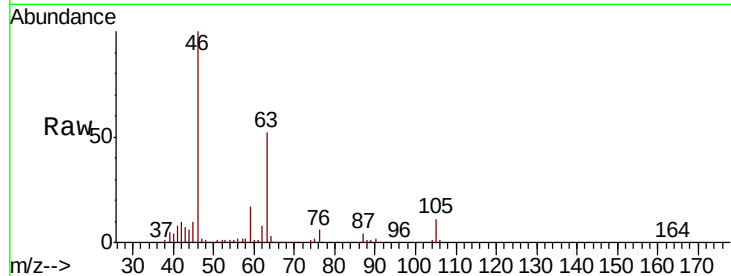




#50
2-Hexanone
Concen: 3.770 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 15821
Ion Ratio Lower Upper
43 100
58 39.1 40.8 61.2#
57 24.0 14.7 22.1#
100 0.9 9.0 13.6#



#51
Dibromochloromethane
Concen: 12.031 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016039.D
Acq: 13 May 2020 14:35

Tgt Ion: 129 Resp: 85960
Ion Ratio Lower Upper
129 100
127 0.2 56.0 104.0#

