

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016012.D
 Acq On : 12 May 2020 14:19
 Operator : SY/MD
 Sample : L2541-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:57:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	106625	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	106348	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	45930	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24405	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.58	69	27291	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.12	63	38419	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.93	46	107169	64.95	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.90%
24) Chloroform-d	4.38	84	67179	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.06	65	43494	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.00%
32) Benzene-d6	5.08	84	128045	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.10	67	44136	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.34	98	102235	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
45) trans-1,3-Dichloropropene-	7.65	79	10209	3.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.40%
48) 2-Hexanone-d5	8.12	63	65516	49.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33509	6.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.40%#
65) 1,2-Dichlorobenzene-d4	11.65	152	41620	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	2288	0.280	ug/L	98
8) Chloroethane	1.59	64	738	0.131	ug/L	90
13) Acetone	2.21	43	5519	5.070	ug/L	71
16) Methylene chloride	2.53	84	878	0.125	ug/L	92
17) Methyl tert-butyl Ether	2.79	73	2271	0.149	ug/L #	75
22) cis-1,2-Dichloroethene	3.94	96	1193	0.176	ug/L	94
25) Chloroform	4.41	83	9007	0.655	ug/L	97
27) 1,2-Dichloroethane	5.07	62	949	0.112	ug/L #	76
34) Trichloroethene	5.94	95	5898	0.772	ug/L	95
35) Methylcyclohexane	6.10	83	10749	0.930	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	5737	0.844	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	944	0.098	ug/L #	80
46) trans-1,3-Dichloropropene	7.65	75	653	0.080	ug/L #	59
49) Tetrachloroethene	8.00	164	43249	8.116	ug/L	98
50) 2-Hexanone	8.12	43	11584	3.866	ug/L #	87
51) Dibromochloromethane	8.00	129	43784	8.584	ug/L #	9

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Response via : Initial Calibration

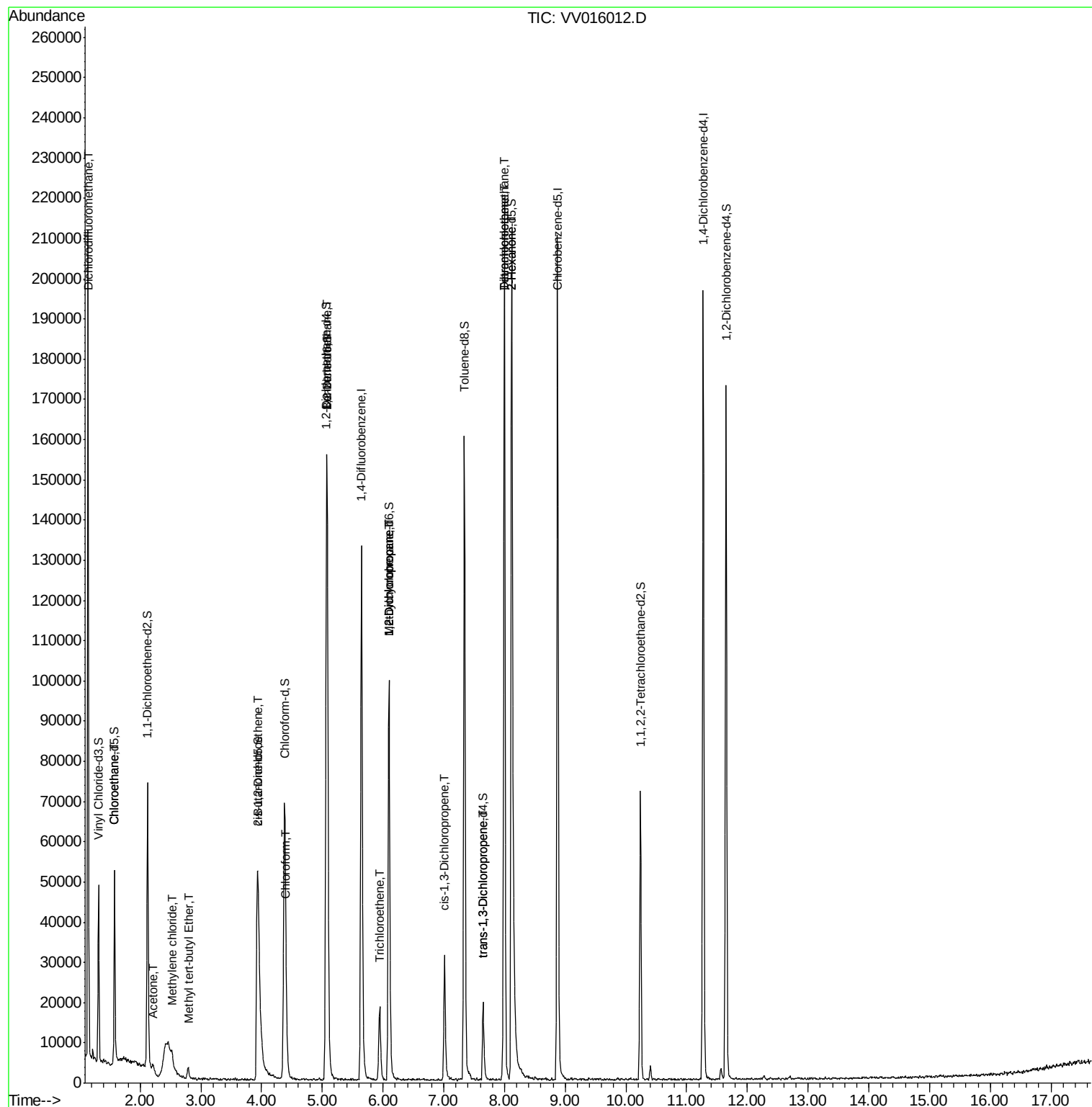
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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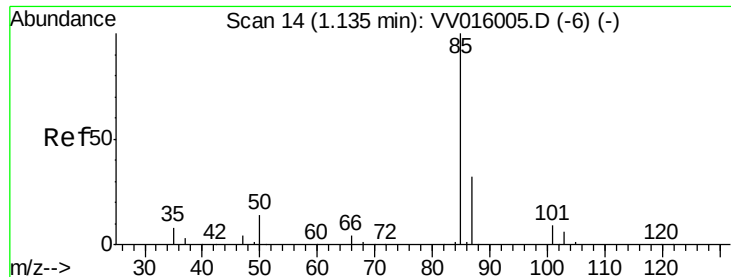
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.280 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016012.D

Acq: 12 May 2020 14:19

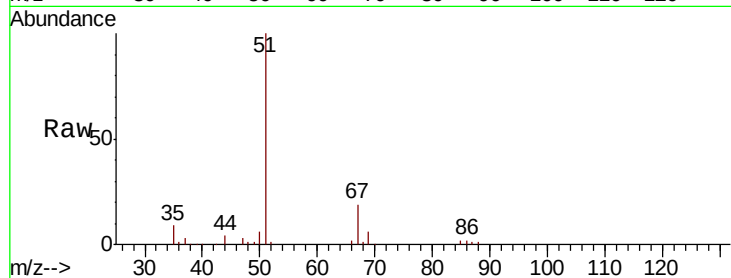
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 2288

Ion Ratio Lower Upper

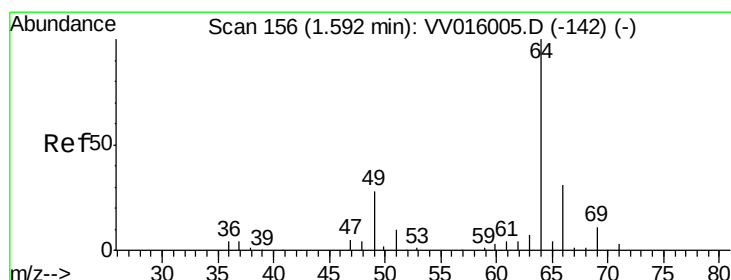
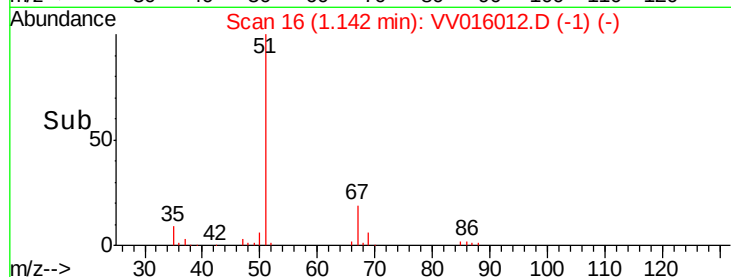
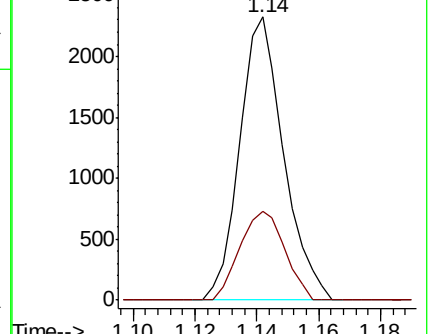
85 100

87 32.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#8

Chloroethane

Concen: 0.131 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV016012.D

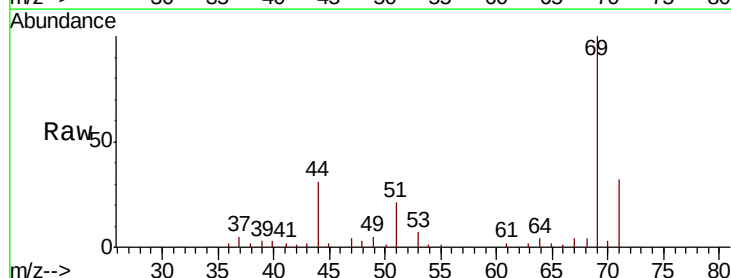
Acq: 12 May 2020 14:19

Tgt Ion: 64 Resp: 738

Ion Ratio Lower Upper

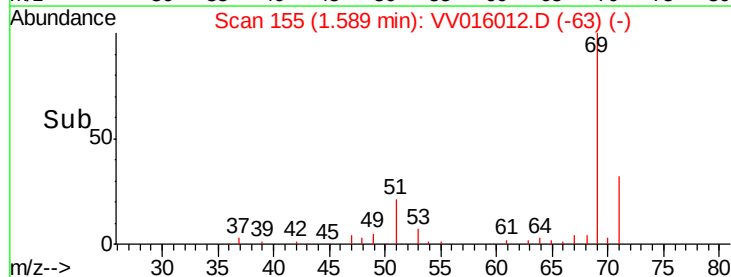
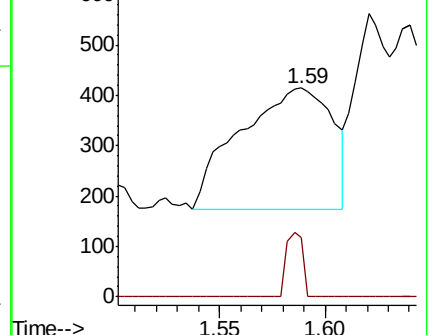
64 100

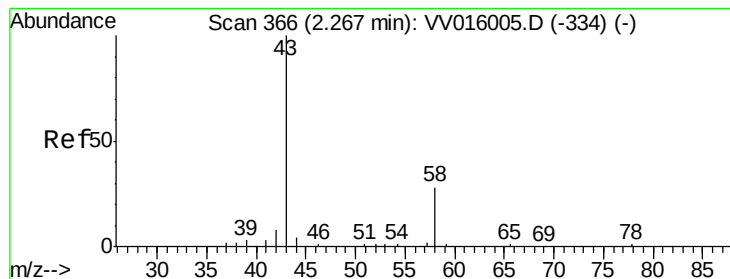
66 28.3 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 5.070 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.06 min

Lab File: VV016012.D

Acq: 12 May 2020 14:19

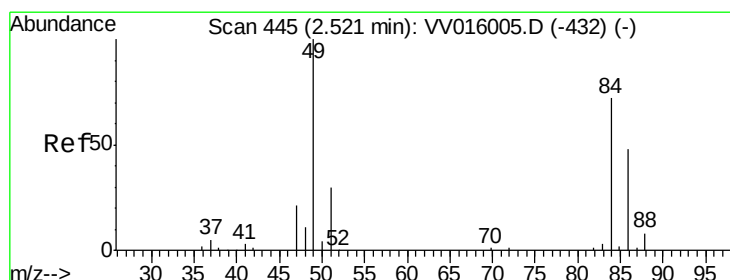
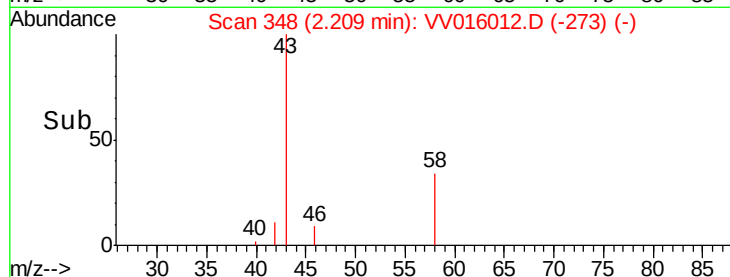
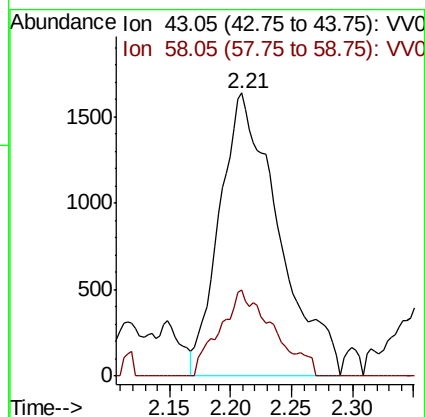
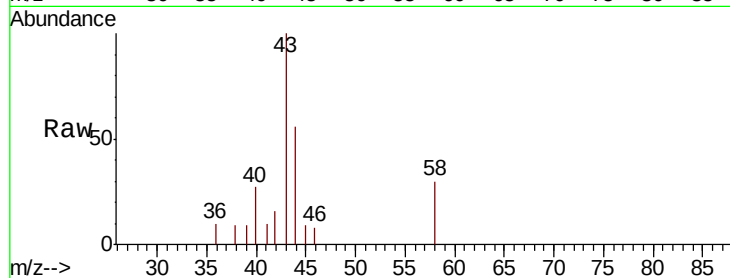
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 5519

Ion Ratio Lower Upper

43 100

58 27.6 0.0 30.8



#16

Methylene chloride

Concen: 0.125 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV016012.D

Acq: 12 May 2020 14:19

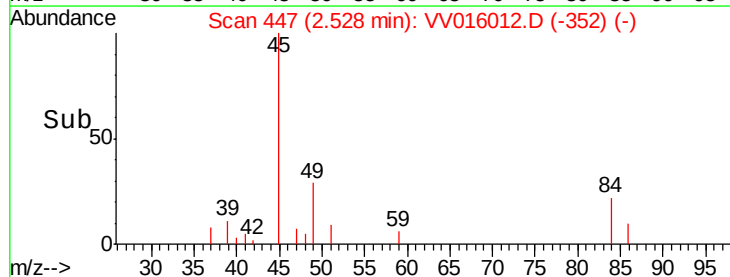
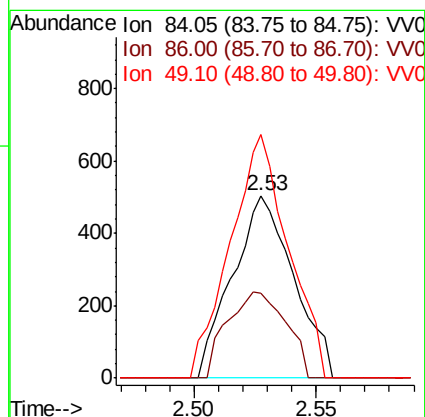
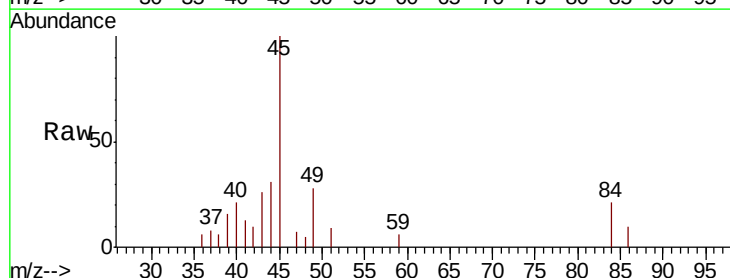
Tgt Ion: 84 Resp: 878

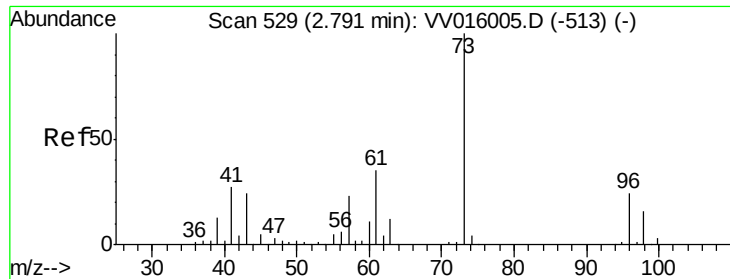
Ion Ratio Lower Upper

84 100

86 46.4 45.6 84.8

49 133.5 93.6 173.8

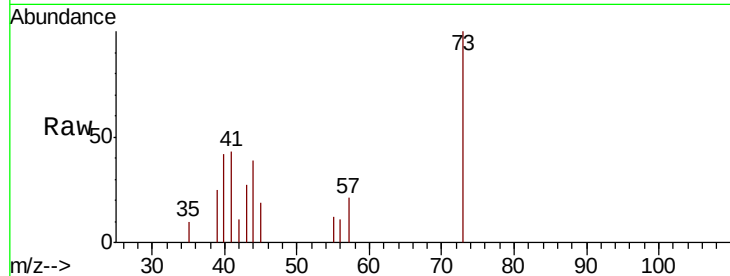




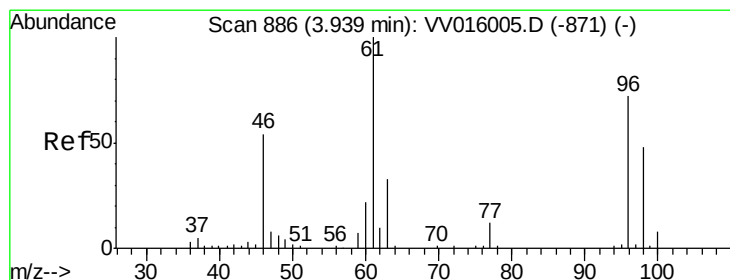
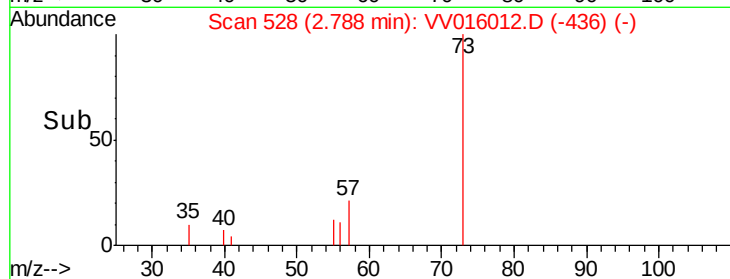
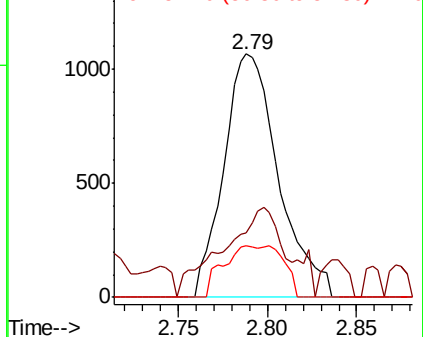
#17
Methyl tert-butyl Ether
Concen: 0.149 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 2271
Ion Ratio Lower Upper
73 100
43 39.2 18.8 28.2#
57 13.8 17.8 26.6#

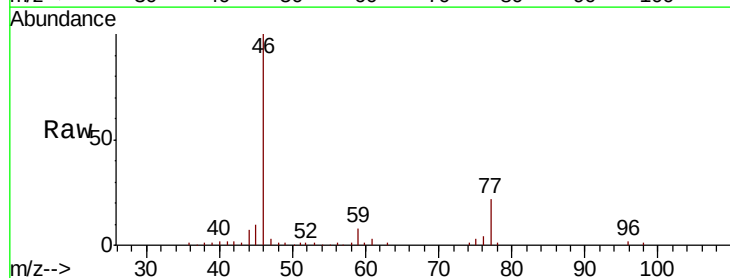


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

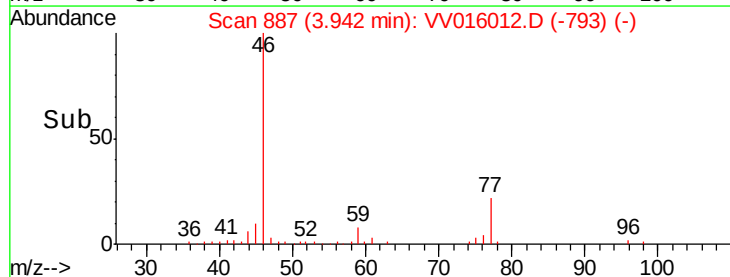
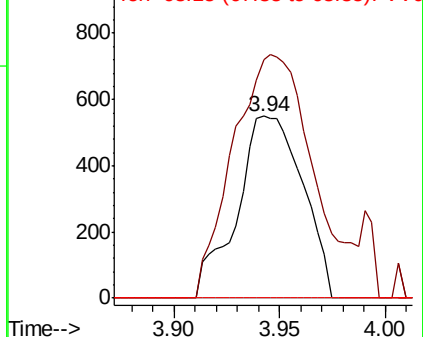


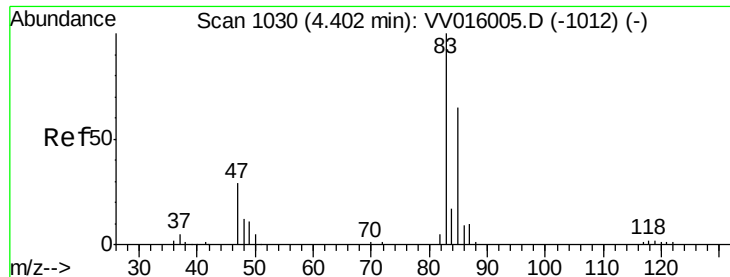
#22
cis-1,2-Dichloroethene
Concen: 0.176 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

Tgt Ion: 96 Resp: 1193
Ion Ratio Lower Upper
96 100
61 131.3 97.2 180.6
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0

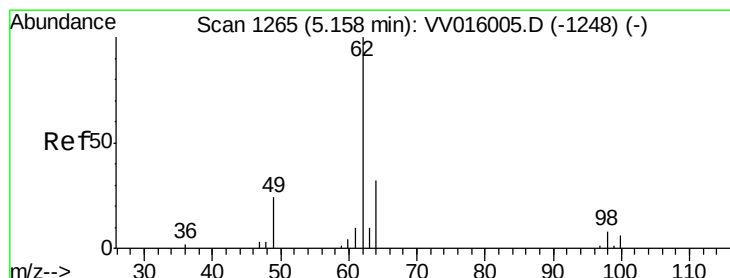
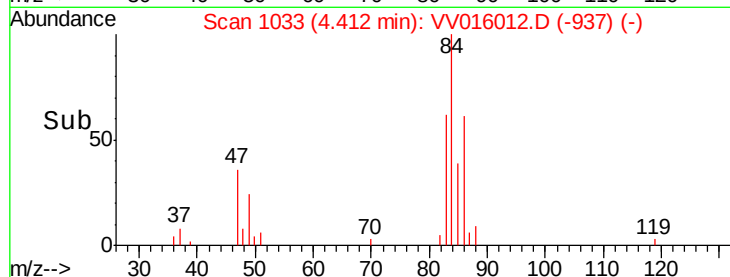
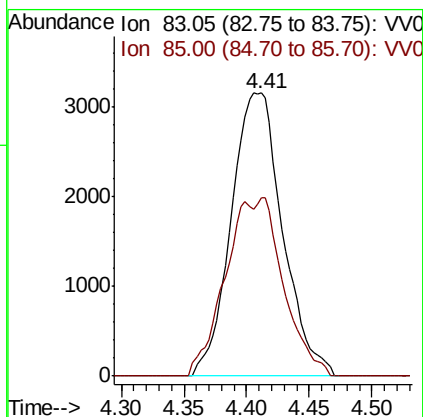
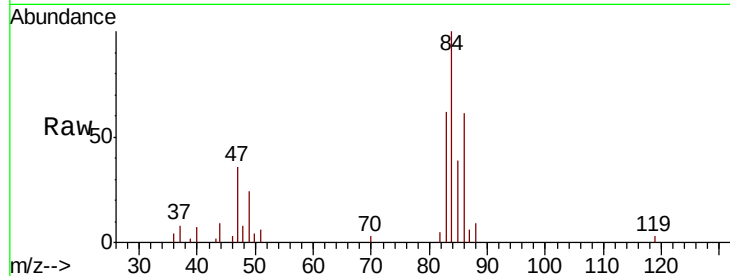




#25
Chloroform
Concen: 0.655 ug/L
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

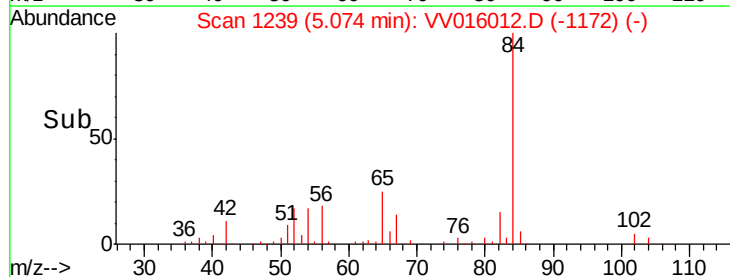
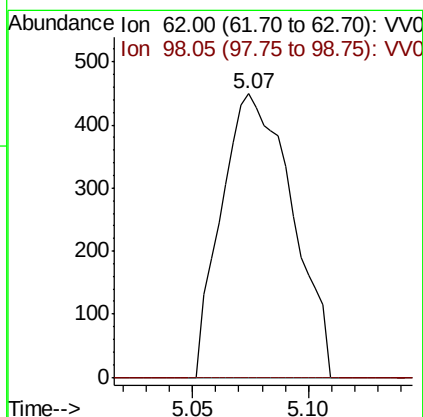
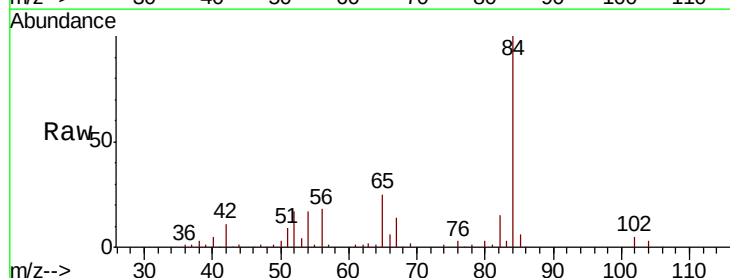
Instrument :
MSVOA_V
ClientSampleId :

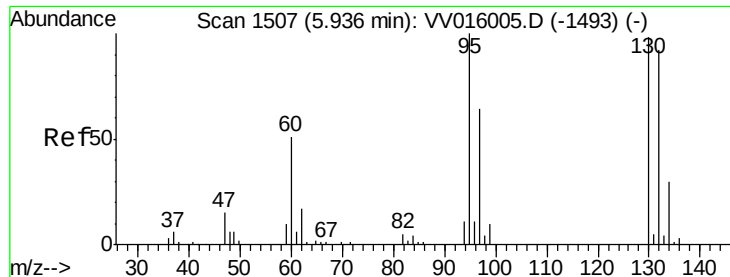
Tot Ion: 83 Resp: 9007
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.112 ug/L
RT: 5.07 min Scan# 1239
Delta R.T. -0.08 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

Tgt Ion: 62 Resp: 949
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 0.772 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016012.D

Acq: 12 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 5898

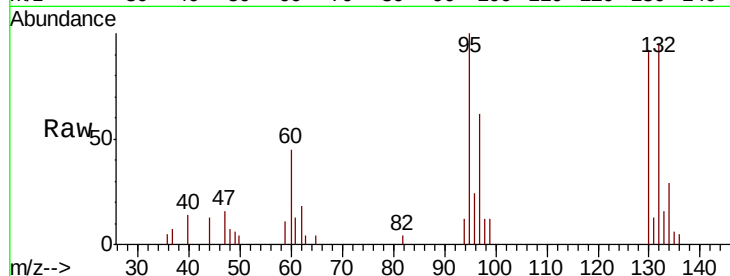
Ion Ratio Lower Upper

95 100

97 61.7 43.3 80.5

132 95.4 60.3 112.1

130 91.9 66.0 122.6

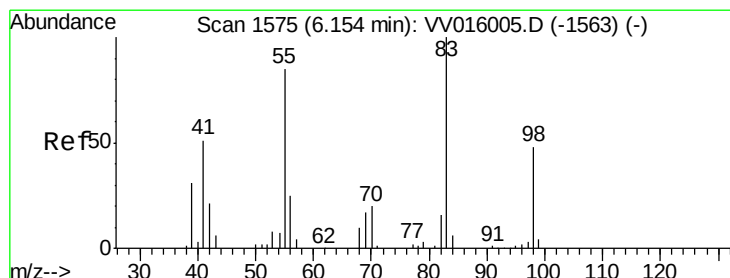
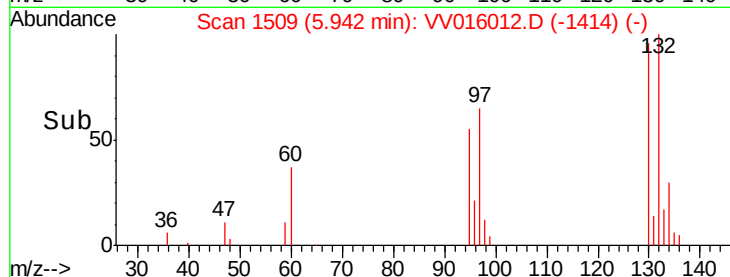
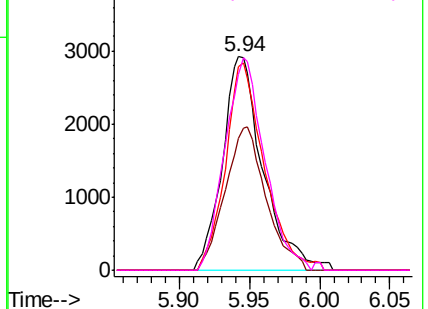


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.930 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016012.D

Acq: 12 May 2020 14:19

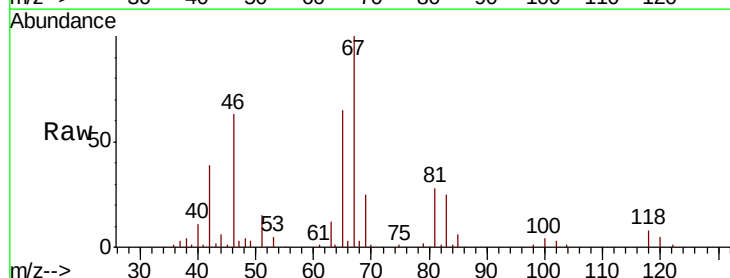
Tgt Ion: 83 Resp: 10749

Ion Ratio Lower Upper

83 100

55 0.4 66.2 99.2#

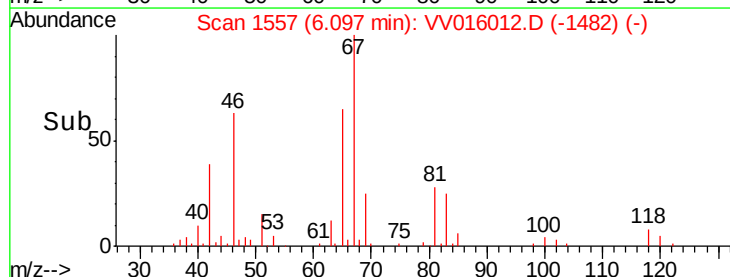
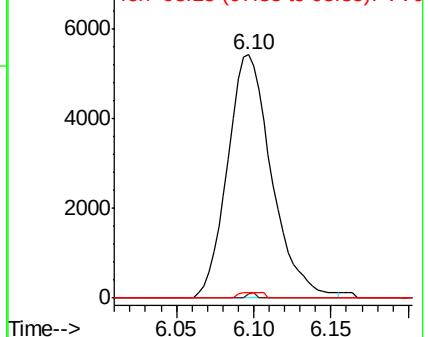
98 1.3 37.9 56.9#

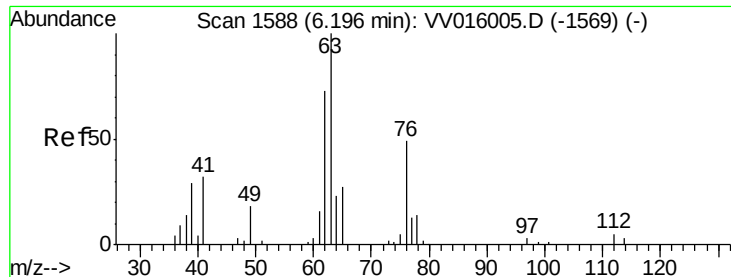


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

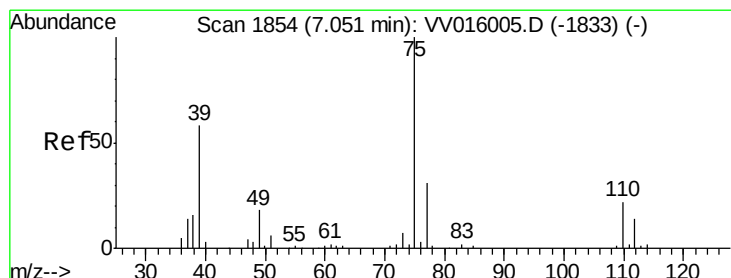
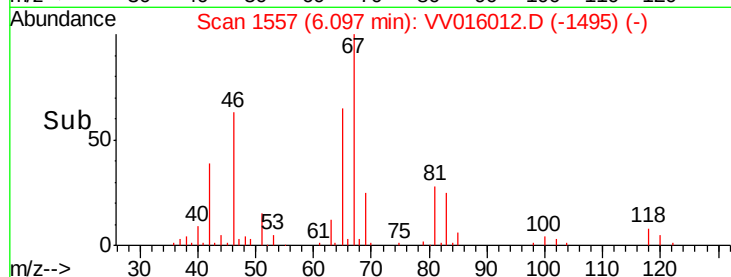
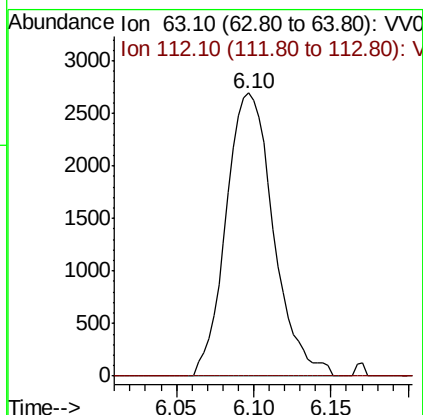
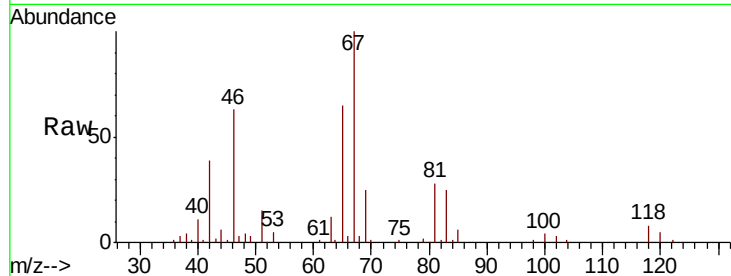




#37
 1,2-Dichloropropane
 Concen: 0.844 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016012.D
 Acq: 12 May 2020 14:19

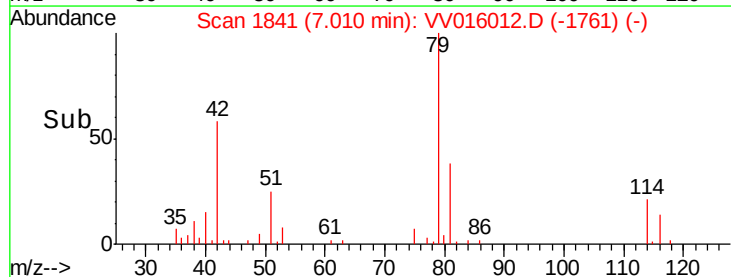
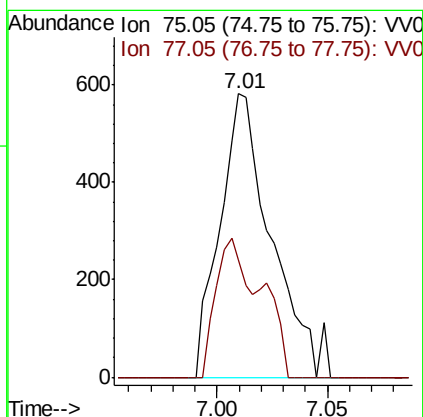
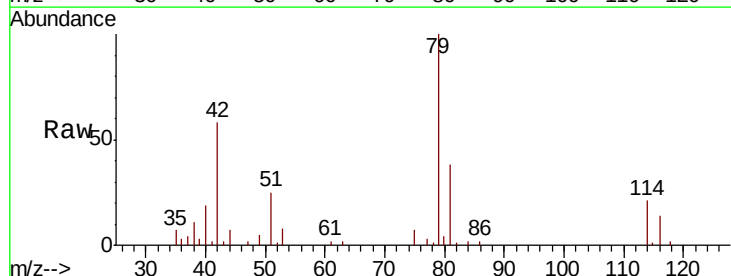
Instrument :
 MSVOA_V
 ClientSampled :

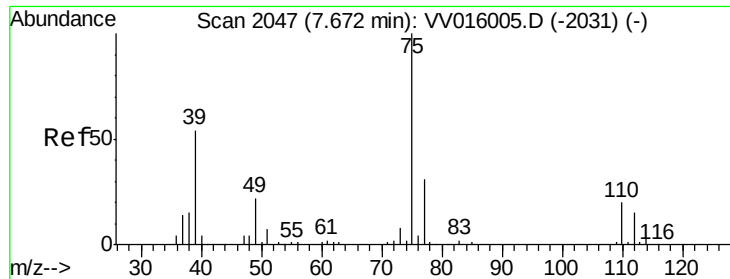
Tot Ion: 63 Resp: 5737
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016012.D
 Acq: 12 May 2020 14:19

Tgt Ion: 75 Resp: 944
 Ion Ratio Lower Upper
 75 100
 77 41.4 21.3 39.5#

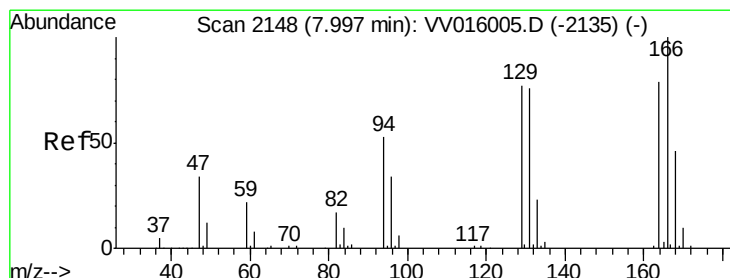
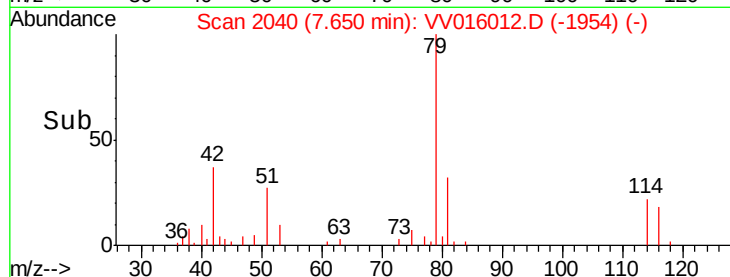
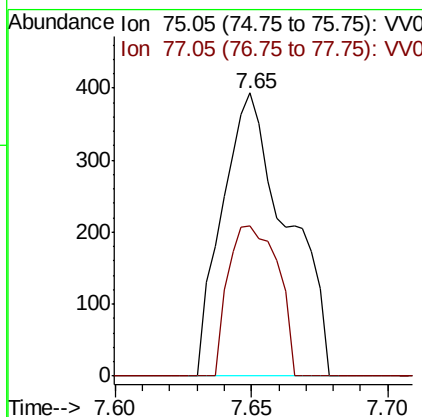
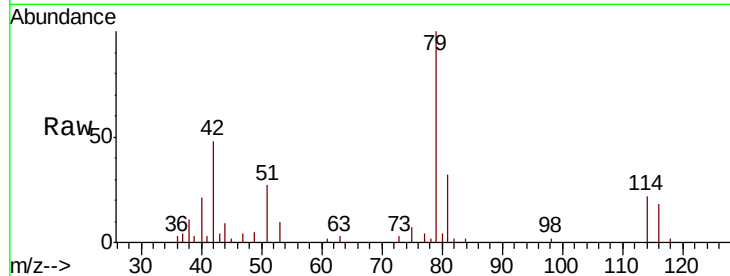




#46
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

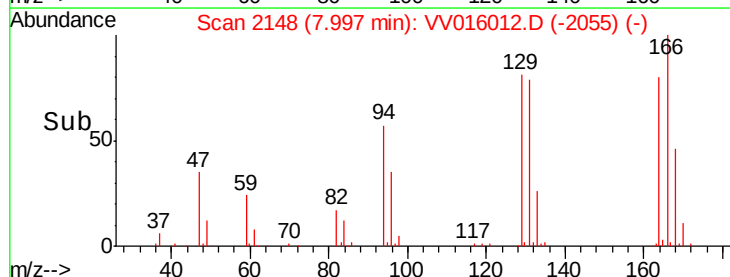
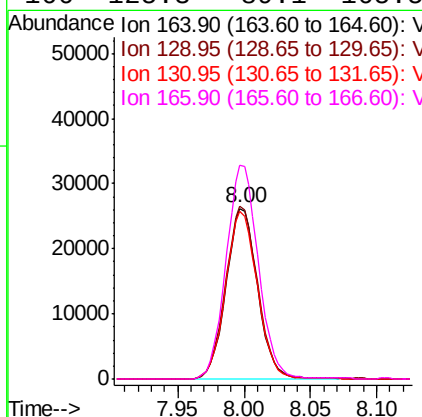
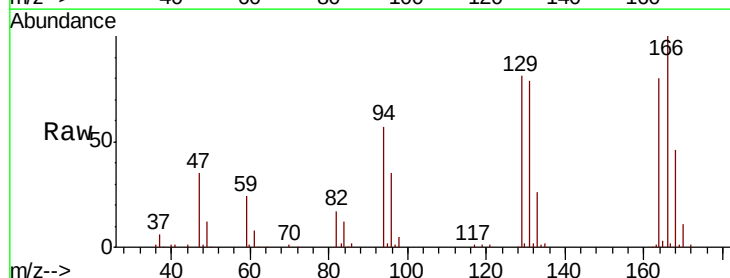
Instrument :
MSVOA_V
ClientSampled :

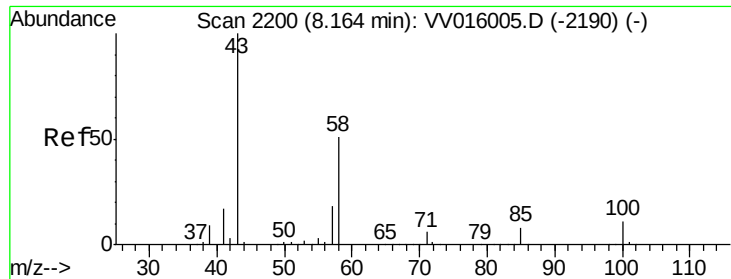
Tot Ion: 75 Resp: 653
Ion Ratio Lower Upper
75 100
77 52.9 21.3 39.6#



#49
Tetrachloroethene
Concen: 8.116 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

Tgt Ion:164 Resp: 43249
Ion Ratio Lower Upper
164 100
129 101.1 69.7 129.4
131 98.7 66.8 124.2
166 125.3 89.1 165.5

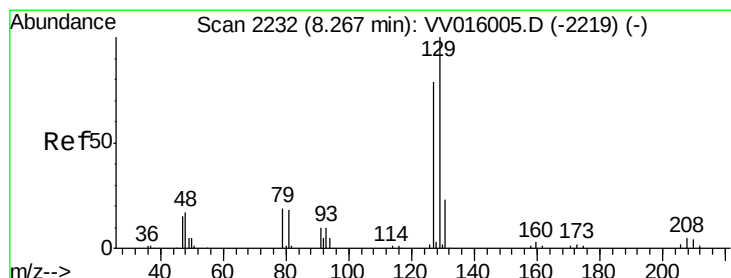
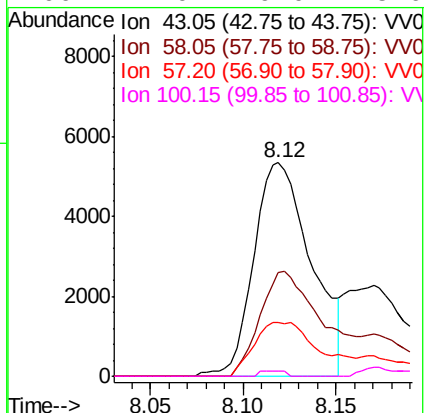
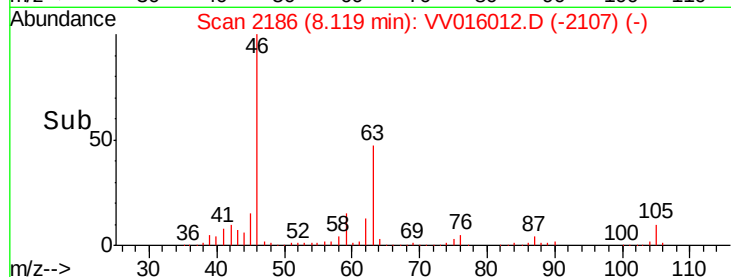
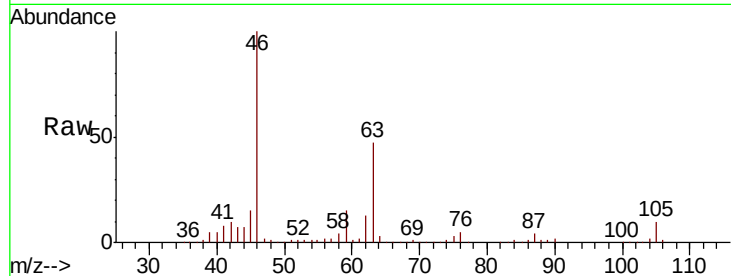




#50
2-Hexanone
Concen: 3.866 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.04 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 11584
Ion Ratio Lower Upper
43 100
58 54.8 40.8 61.2
57 28.7 14.7 22.1#
100 1.0 9.0 13.6#



#51
Dibromochloromethane
Concen: 8.584 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016012.D
Acq: 12 May 2020 14:19

Tgt Ion: 129 Resp: 43784
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

