

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016233.D
 Acq On : 27 May 2020 17:16
 Operator : SY/MD
 Sample : L2754-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:24:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	78272	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	78701	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	33171	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26414	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.58	69	24713	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.12	63	37369	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	3.94	46	75580	60.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.22%
24) Chloroform-d	4.38	84	53499	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.06	65	29025	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.08	84	103559	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.10	67	33050	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.34	98	92863	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
45) trans-1,3-Dichloropropene-	7.65	79	10499	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
48) 2-Hexanone-d5	8.12	63	52355	50.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.56%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22948	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	32789	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1068	0.156 ug/L #	46
8) Chloroethane	1.62	64	1931	0.504 ug/L #	42
12) 1,1-Dichloroethene	2.14	96	556	0.120 ug/L #	1
13) Acetone	2.22	43	1829	2.370 ug/L	59
14) Carbon disulfide	2.31	76	1519	0.106 ug/L #	69
18) trans-1,2-Dichloroethene	2.78	96	42904	8.492 ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	166805	27.916 ug/L	99
34) Trichloroethene	5.94	95	42923	7.275 ug/L	96
35) Methylcyclohexane	6.10	83	7988	0.803 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	3785	0.681 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	819	0.104 ug/L	100
46) trans-1,3-Dichloropropene	7.65	75	540	0.083 ug/L #	76
47) 1,1,2-Trichloroethane	8.00	97	487	0.133 ug/L #	3
49) Tetrachloroethene	8.00	164	49278	11.634 ug/L	97
50) 2-Hexanone	8.12	43	8203	3.404 ug/L #	71
51) Dibromochloromethane	8.00	129	49125	12.695 ug/L #	10
70) Naphthalene	13.53	128	1972	0.143 ug/L #	91

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QLast Update : Thu May 28 01:17:22 2020
Response via : Initial Calibration

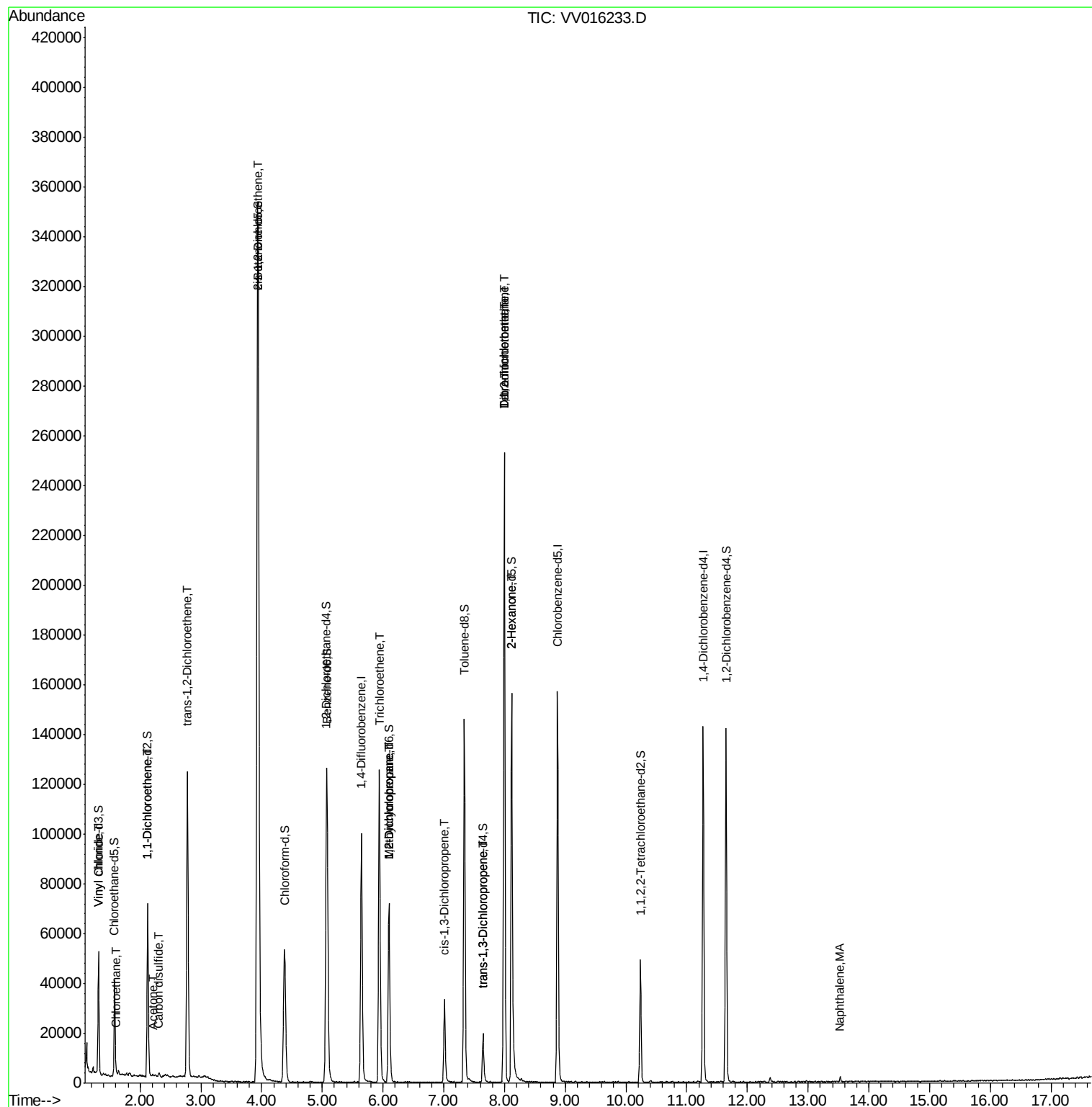
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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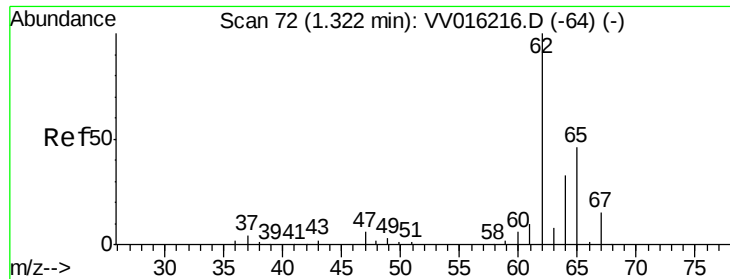
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.156 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

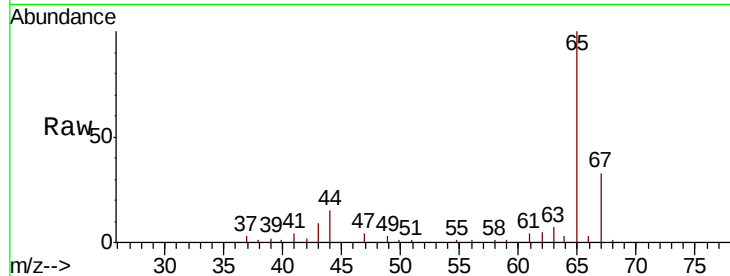
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 1068

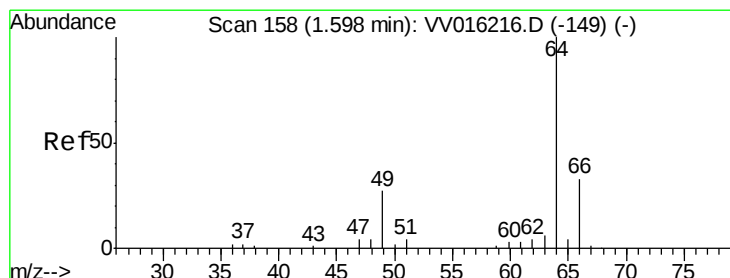
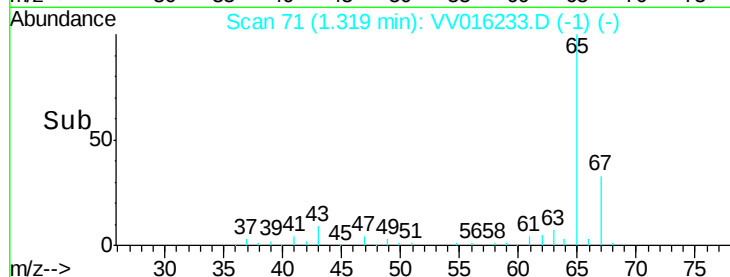
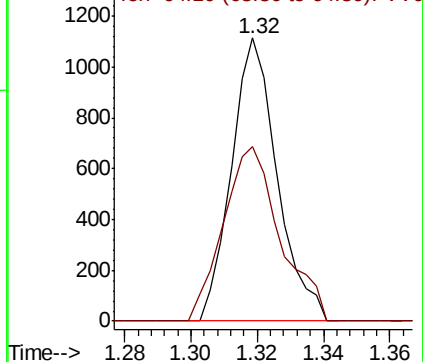
Ion Ratio Lower Upper

62 100

64 61.5 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.504 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VV016233.D

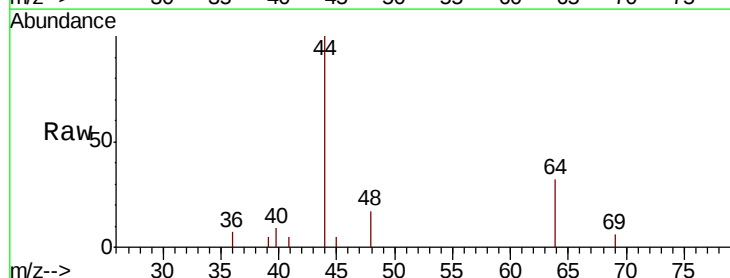
Acq: 27 May 2020 17:16

Tgt Ion: 64 Resp: 1931

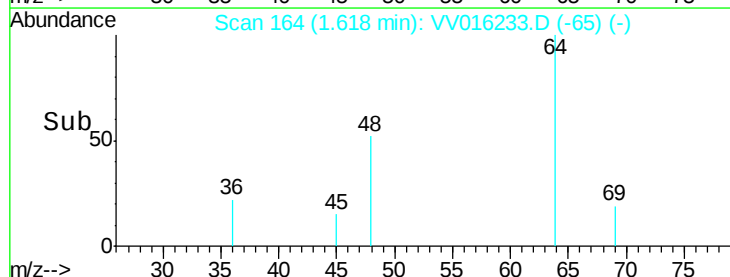
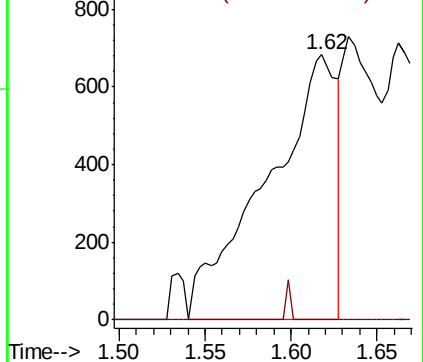
Ion Ratio Lower Upper

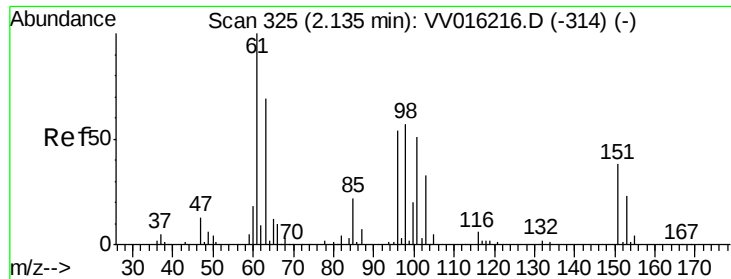
64 100

66 0.0 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0
Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.120 ug/L

RT: 2.14 min Scan# 325

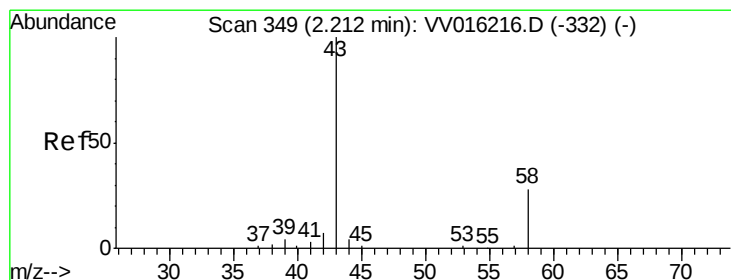
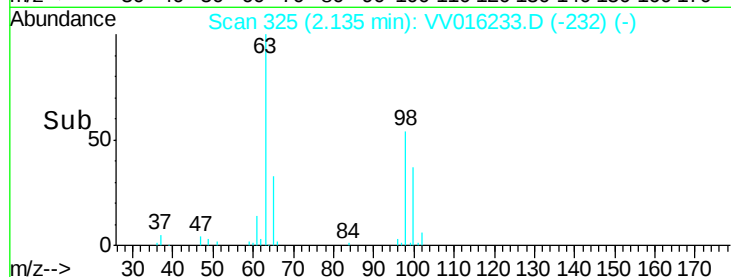
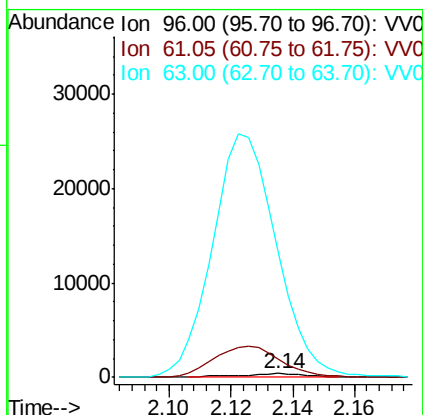
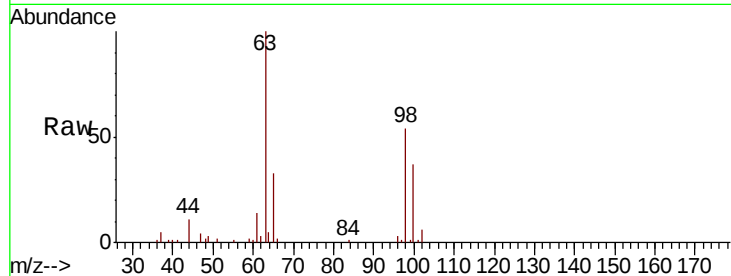
Delta R.T. 0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 556
Ion Ratio Lower Upper
96 100
61 493.1 124.9 231.9#
63 3407.4 80.4 149.2#



#13

Acetone

Concen: 2.370 ug/L

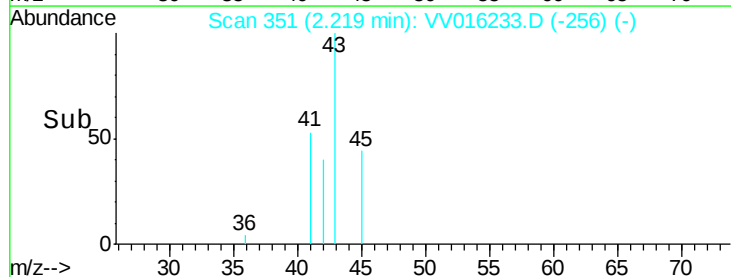
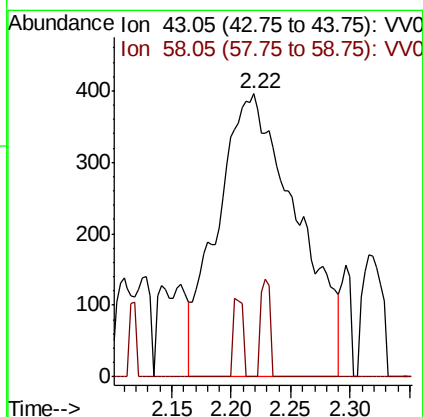
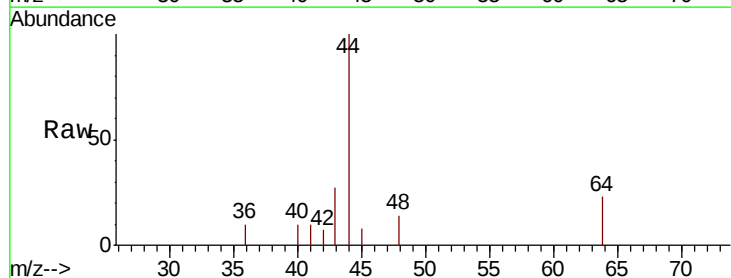
RT: 2.22 min Scan# 351

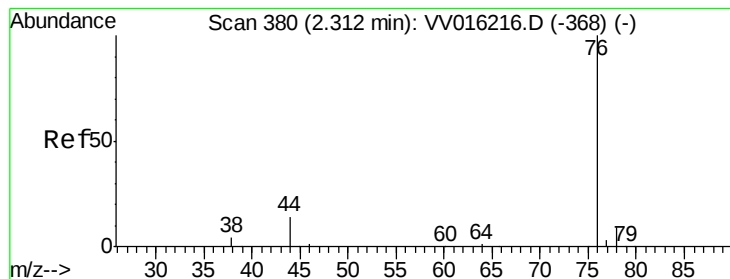
Delta R.T. 0.01 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

Tgt Ion: 43 Resp: 1829
Ion Ratio Lower Upper
43 100
58 4.0 0.0 48.8





#14

Carbon disulfide

Concen: 0.106 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

Instrument :

MSVOA_V

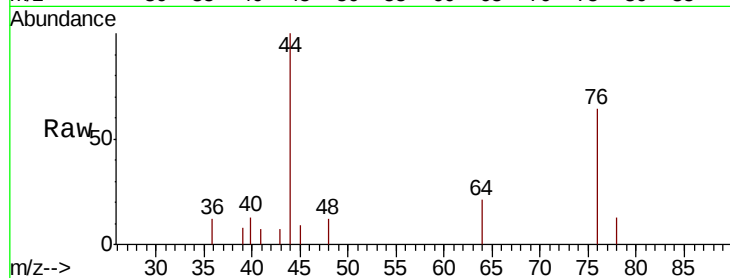
ClientSampled :

Tot Ion: 76 Resp: 1519

Ion Ratio Lower Upper

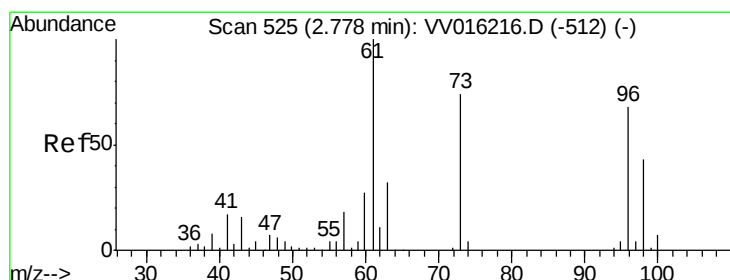
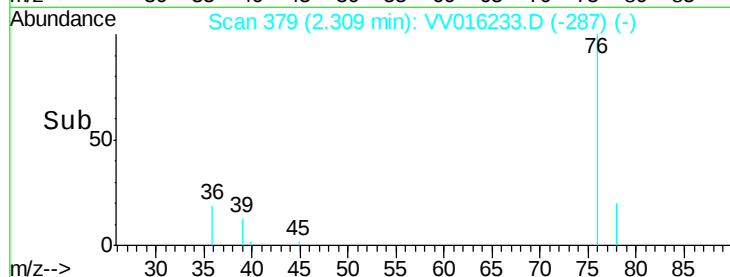
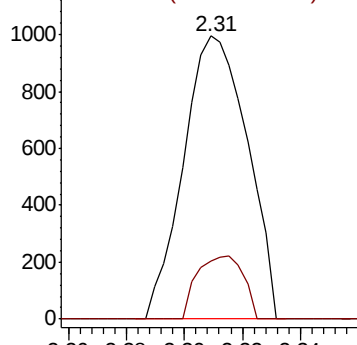
76 100

78 20.4 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 8.492 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

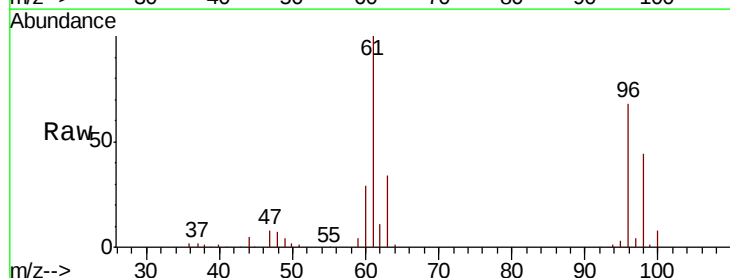
Tgt Ion: 96 Resp: 42904

Ion Ratio Lower Upper

96 100

61 147.5 99.8 185.4

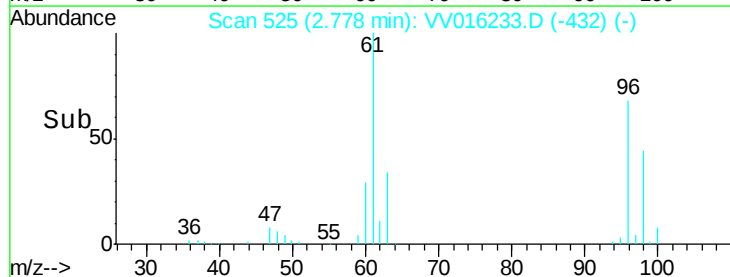
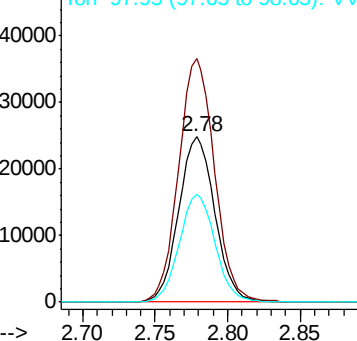
98 65.1 44.0 81.6

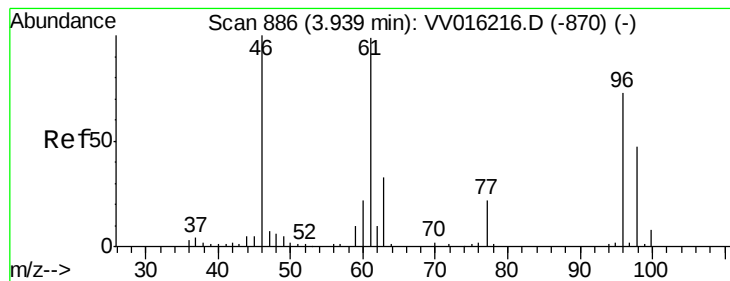


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#22

cis-1,2-Dichloroethene

Concen: 27.916 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

Instrument :
MSVOA_V
ClientSampleId :

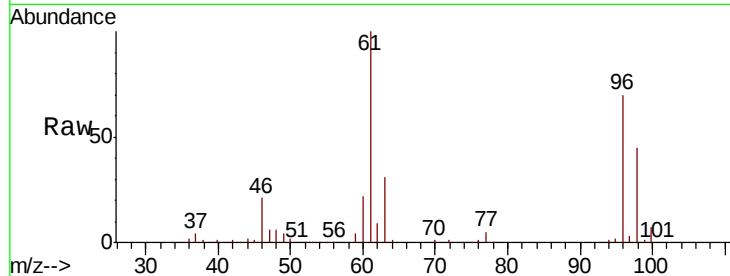
Tot Ion: 96 Resp: 166805

Ion Ratio Lower Upper

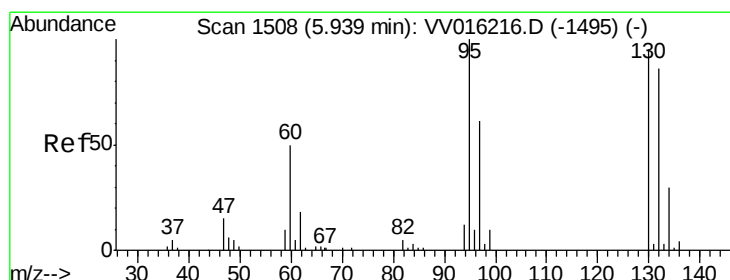
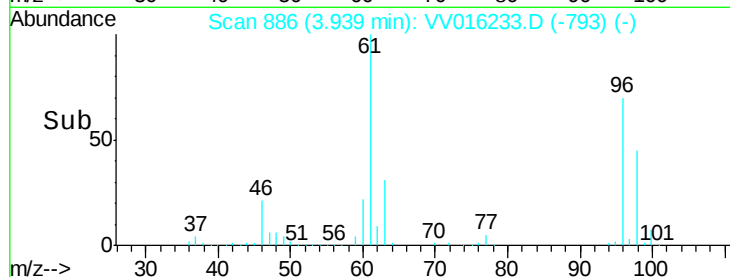
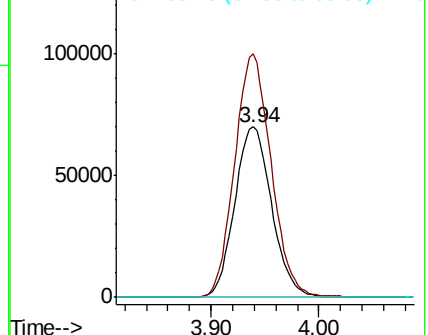
96 100

61 143.1 99.7 185.1

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



#34

Trichloroethene

Concen: 7.275 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

Tgt Ion: 95 Resp: 42923

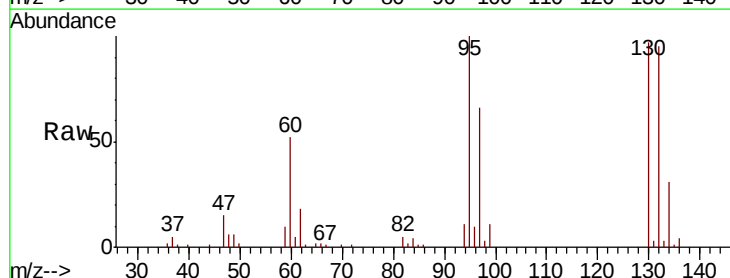
Ion Ratio Lower Upper

95 100

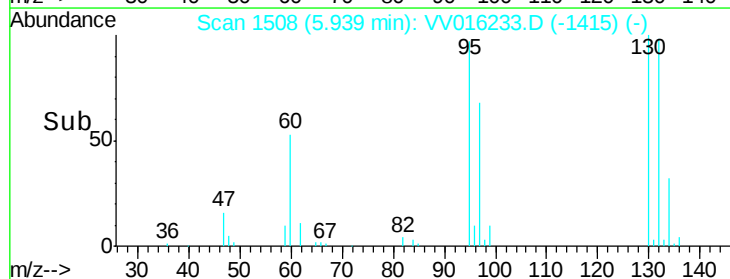
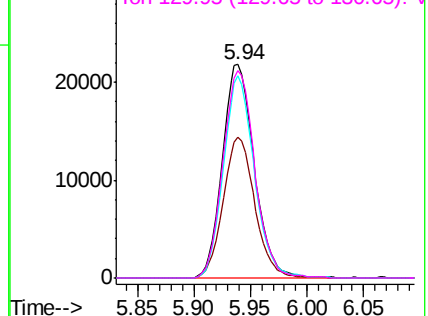
97 65.7 43.6 81.0

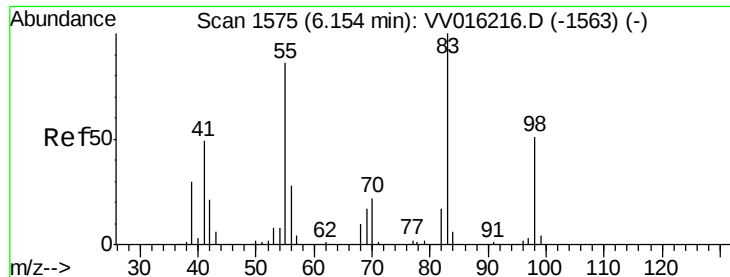
132 94.5 63.9 118.7

130 96.9 65.2 121.0



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): VV0
Ion 129.95 (129.65 to 130.65): VV0

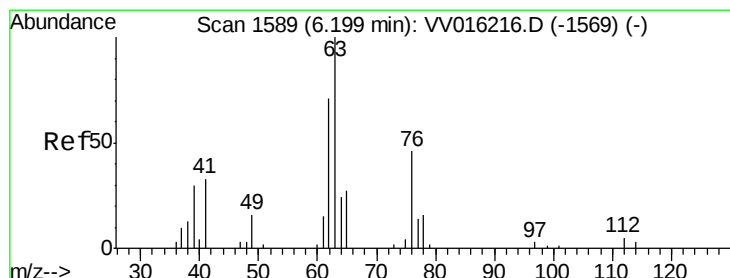
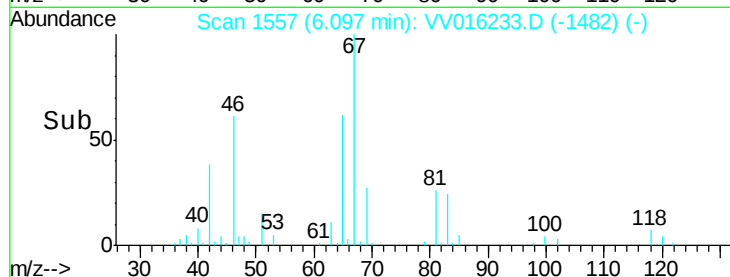
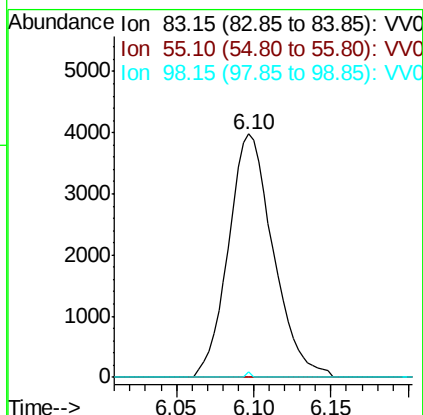
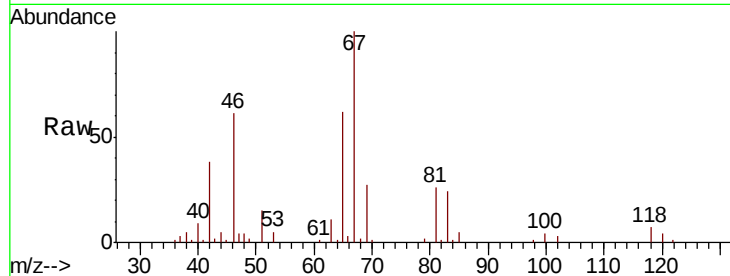




#35
Methvlcvclohexane
Concen: 0.803 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016233.D
Acq: 27 May 2020 17:16

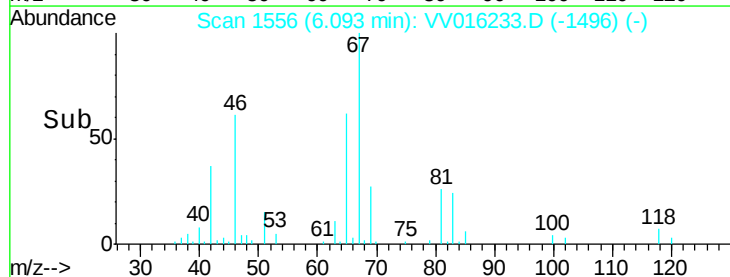
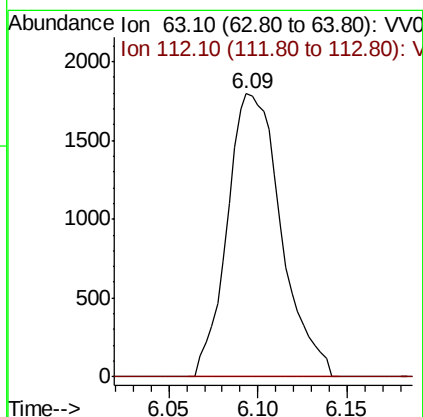
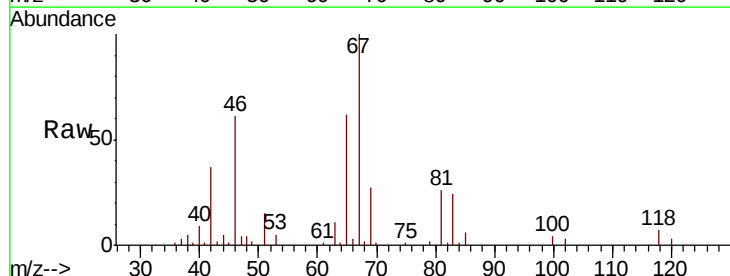
Instrument :
MSVOA_V
ClientSampled :

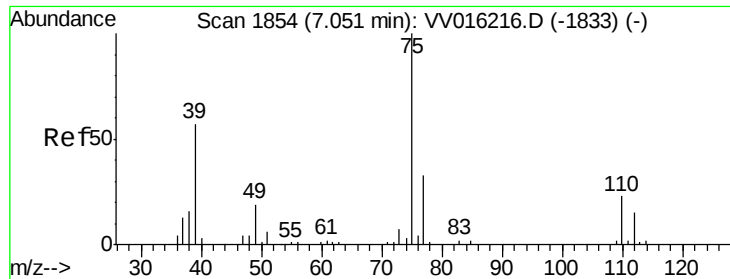
Tot Ion: 83 Resp: 7988
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.681 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.11 min
Lab File: VV016233.D
Acq: 27 May 2020 17:16

Tgt Ion: 63 Resp: 3785
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

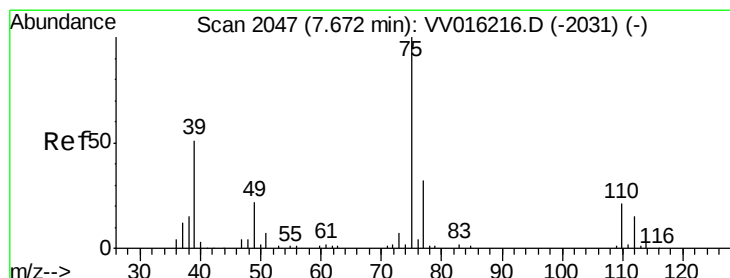
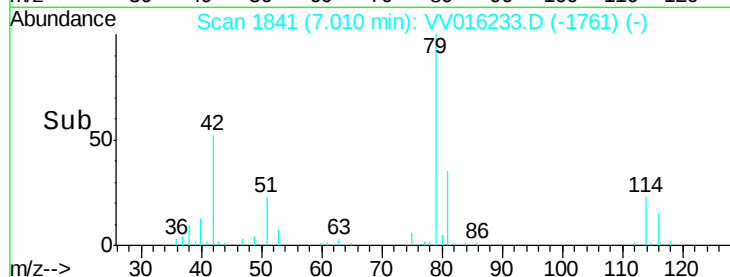
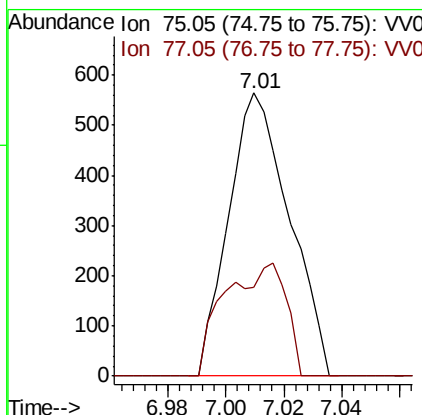
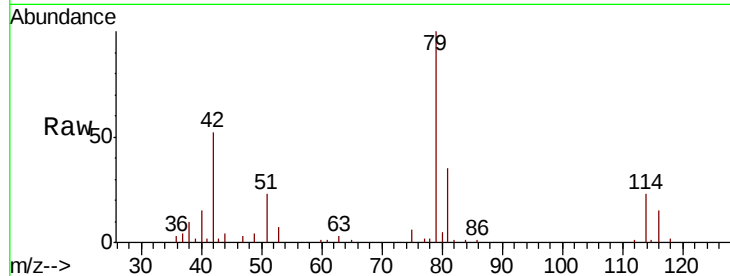




#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016233.D
 Acq: 27 May 2020 17:16

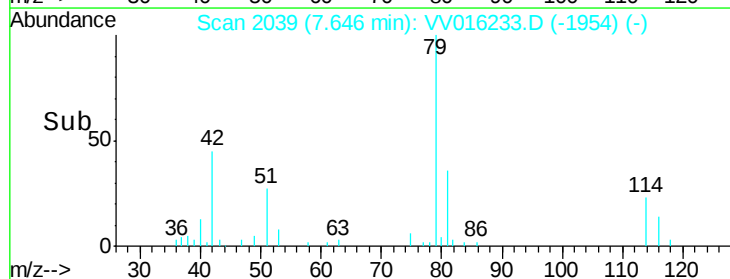
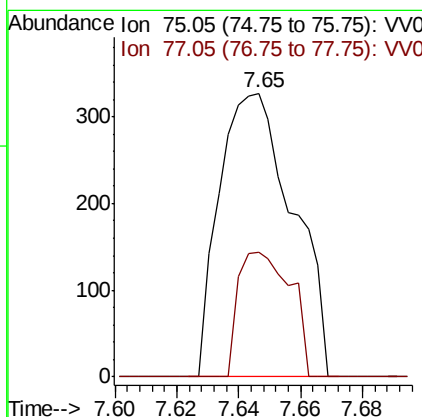
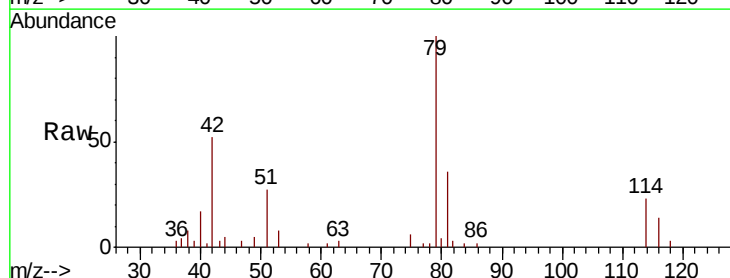
Instrument :
 MSVOA_V
 ClientSampleId :

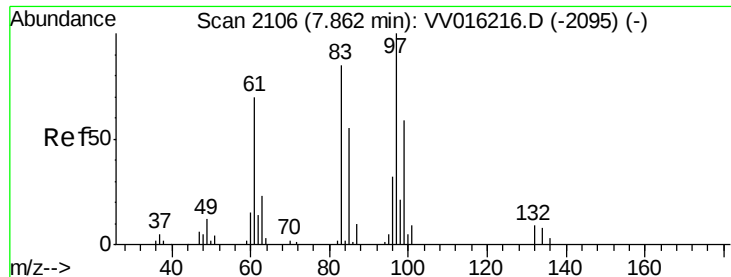
Tot Ion: 75 Resp: 819
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.7 40.3



#46
 trans-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016233.D
 Acq: 27 May 2020 17:16

Tgt Ion: 75 Resp: 540
 Ion Ratio Lower Upper
 75 100
 77 44.0 21.7 40.3#

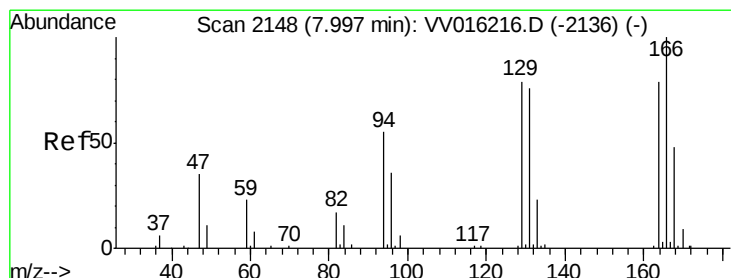
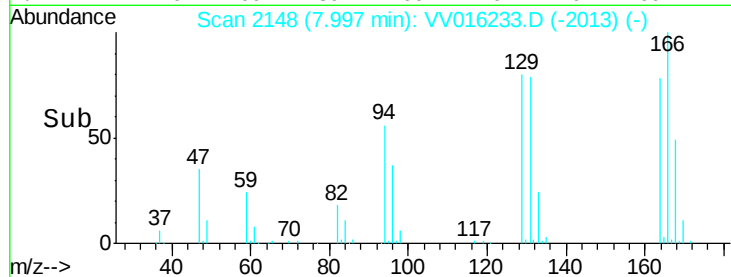
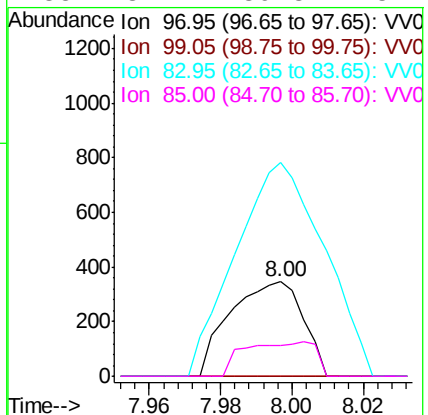
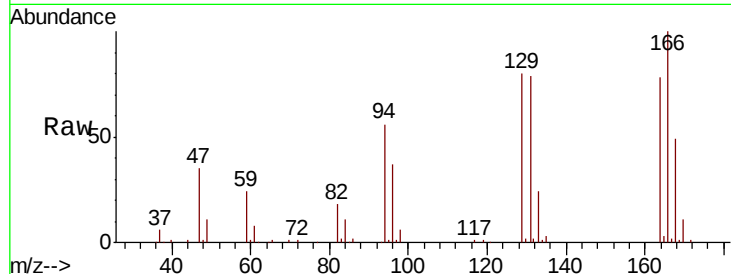




#47
 1,1,2-Trichloroethane
 Concen: 0.133 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.14 min
 Lab File: VV016233.D
 Acq: 27 May 2020 17:16

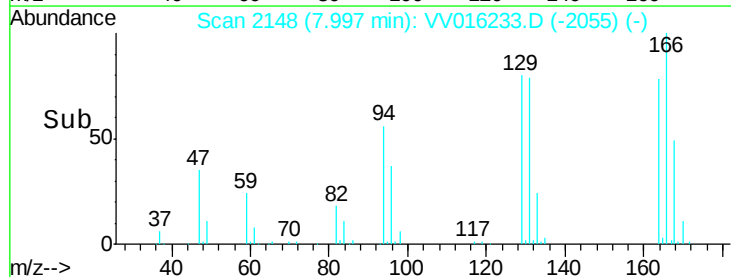
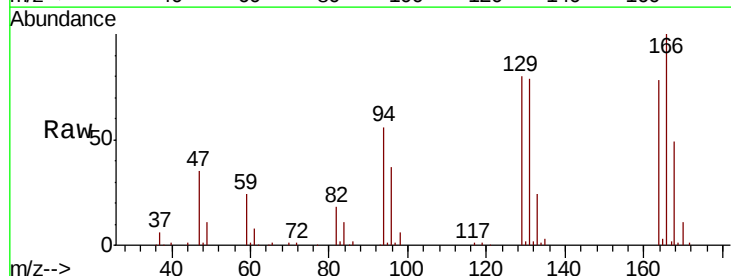
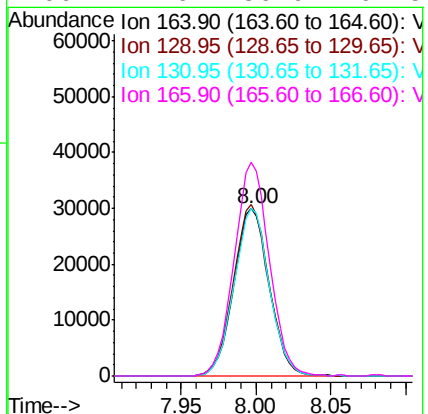
Instrument :
 MSVOA_V
 ClientSampleId :

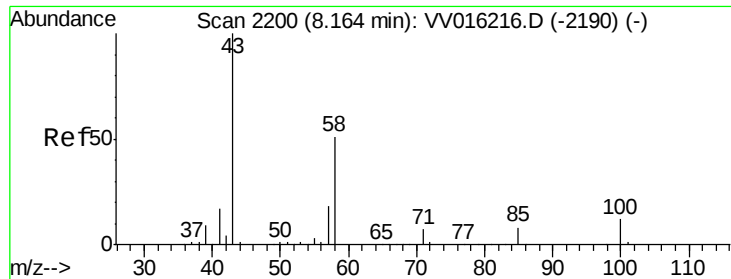
Tot Ion: 97 Resp: 487
 Ion Ratio Lower Upper
 97 100
 99 0.0 40.8 75.8#
 83 226.0 60.0 111.4#
 85 32.7 39.3 73.1#



#49
 Tetrachloroethene
 Concen: 11.634 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016233.D
 Acq: 27 May 2020 17:16

Tgt Ion: 164 Resp: 49278
 Ion Ratio Lower Upper
 164 100
 129 102.3 70.7 131.3
 131 100.2 66.6 123.8
 166 127.6 86.9 161.5

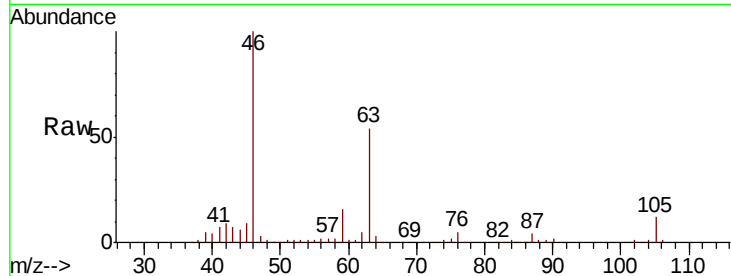




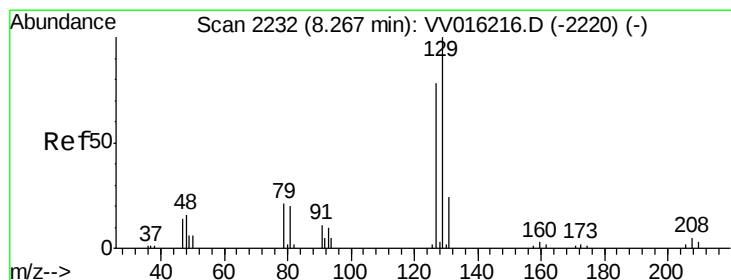
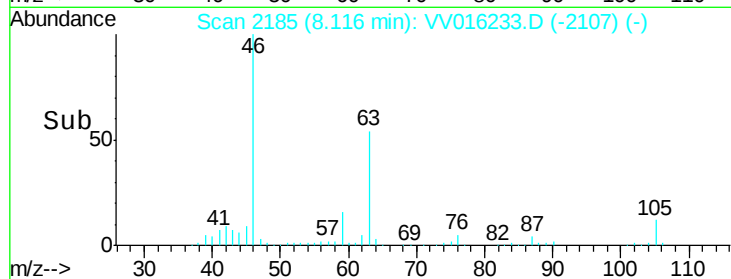
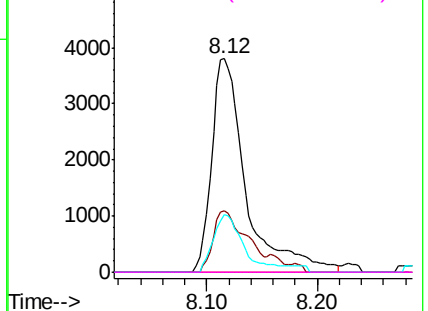
#50
2-Hexanone
Concen: 3.404 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016233.D
Acq: 27 May 2020 17:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8203
Ion Ratio Lower Upper
43 100
58 27.8 41.4 62.0#
57 24.7 15.0 22.4#
100 0.0 9.0 13.4#

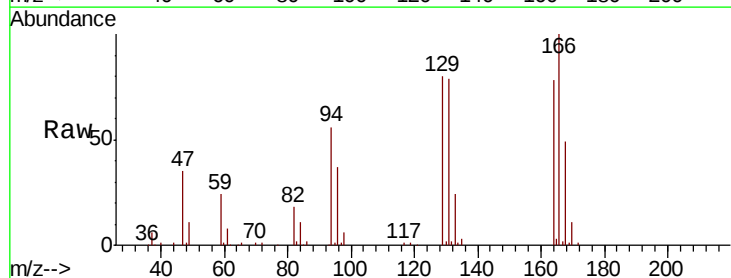


Abundance Ion 43.05 (42.75 to 43.75): VV016233.D (-2185) (-)
Ion 58.05 (57.75 to 58.75): VV016233.D (-2185) (-)
Ion 57.20 (56.90 to 57.90): VV016233.D (-2185) (-)
Ion 100.15 (99.85 to 100.85): VV016233.D (-2185) (-)

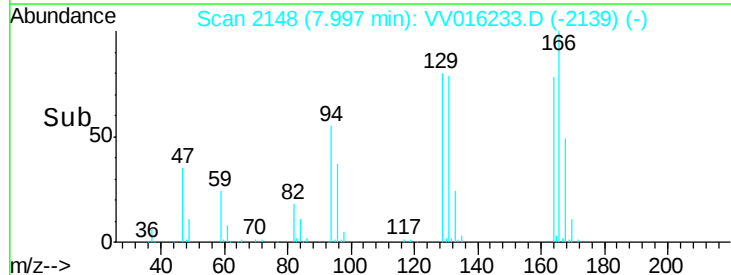
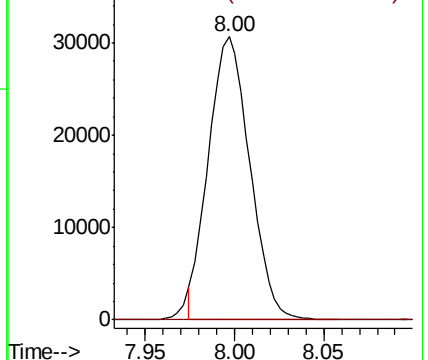


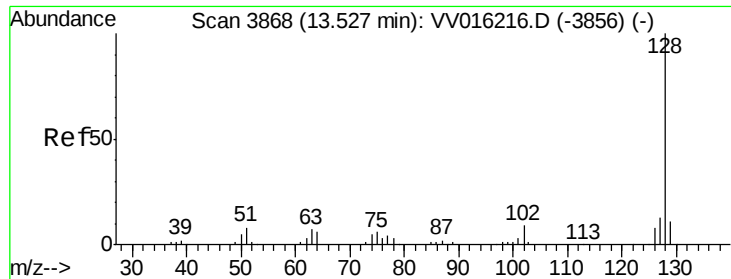
#51
Dibromochloromethane
Concen: 12.695 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016233.D
Acq: 27 May 2020 17:16

Tgt Ion: 129 Resp: 49125
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): VV016233.D (-2148) (-)
Ion 126.90 (126.60 to 127.60): VV016233.D (-2148) (-)





#70

Naphthalene

Concen: 0.143 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016233.D

Acq: 27 May 2020 17:16

Instrument :

MSVOA_V

ClientSampleId :

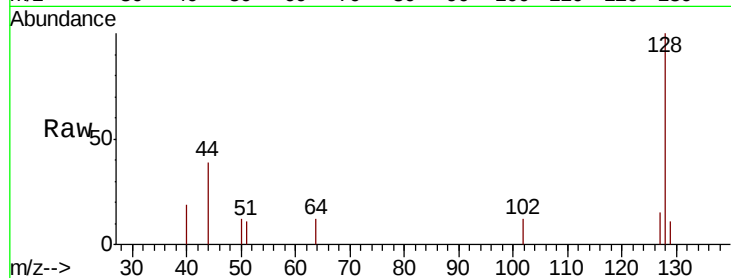
Tot Ion:128 Resp: 1972

Ion Ratio Lower Upper

128 100

129 6.0 8.6 13.0#

127 11.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

