

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016218.D
 Acq On : 27 May 2020 11:13
 Operator : SY/MD
 Sample : L2731-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:19:44 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	87297	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	83836	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26800	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.58	69	24634	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.13	63	38731	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	3.95	46	71344	51.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	4.38	84	54746	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.06	65	30278	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.08	84	107378	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.10	67	32882	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.34	98	93846	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
45) trans-1,3-Dichloropropene-	7.65	79	11449	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
48) 2-Hexanone-d5	8.12	63	51981	47.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23185	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	33416	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.77	101	1690	0.171	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	509	0.094	ug/L #	46
12) 1,1-Dichloroethene	2.13	96	441	0.086	ug/L #	1
16) Methylene chloride	2.53	84	1009	0.171	ug/L	89
17) Methyl tert-butyl Ether	2.80	73	1691	0.133	ug/L #	55
22) cis-1,2-Dichloroethene	3.94	96	2954	0.443	ug/L	93
25) Chloroform	4.41	83	1219	0.108	ug/L	94
27) 1,2-Dichloroethane	5.08	62	590	0.080	ug/L #	79
34) Trichloroethene	5.94	95	1966	0.313	ug/L	96
35) Methylcyclohexane	6.10	83	8041	0.759	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4001	0.676	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	972	0.116	ug/L	87
46) trans-1,3-Dichloropropene	7.65	75	520	0.075	ug/L	84
47) 1,1,2-Trichloroethane	7.99	97	2173	0.558	ug/L #	13
49) Tetrachloroethene	8.00	164	212618	47.121	ug/L	98
51) Dibromochloromethane	8.00	129	210173	50.987	ug/L #	10
70) Naphthalene	13.53	128	2603	0.165	ug/L #	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 01:17:22 2020
Response via : Initial Calibration

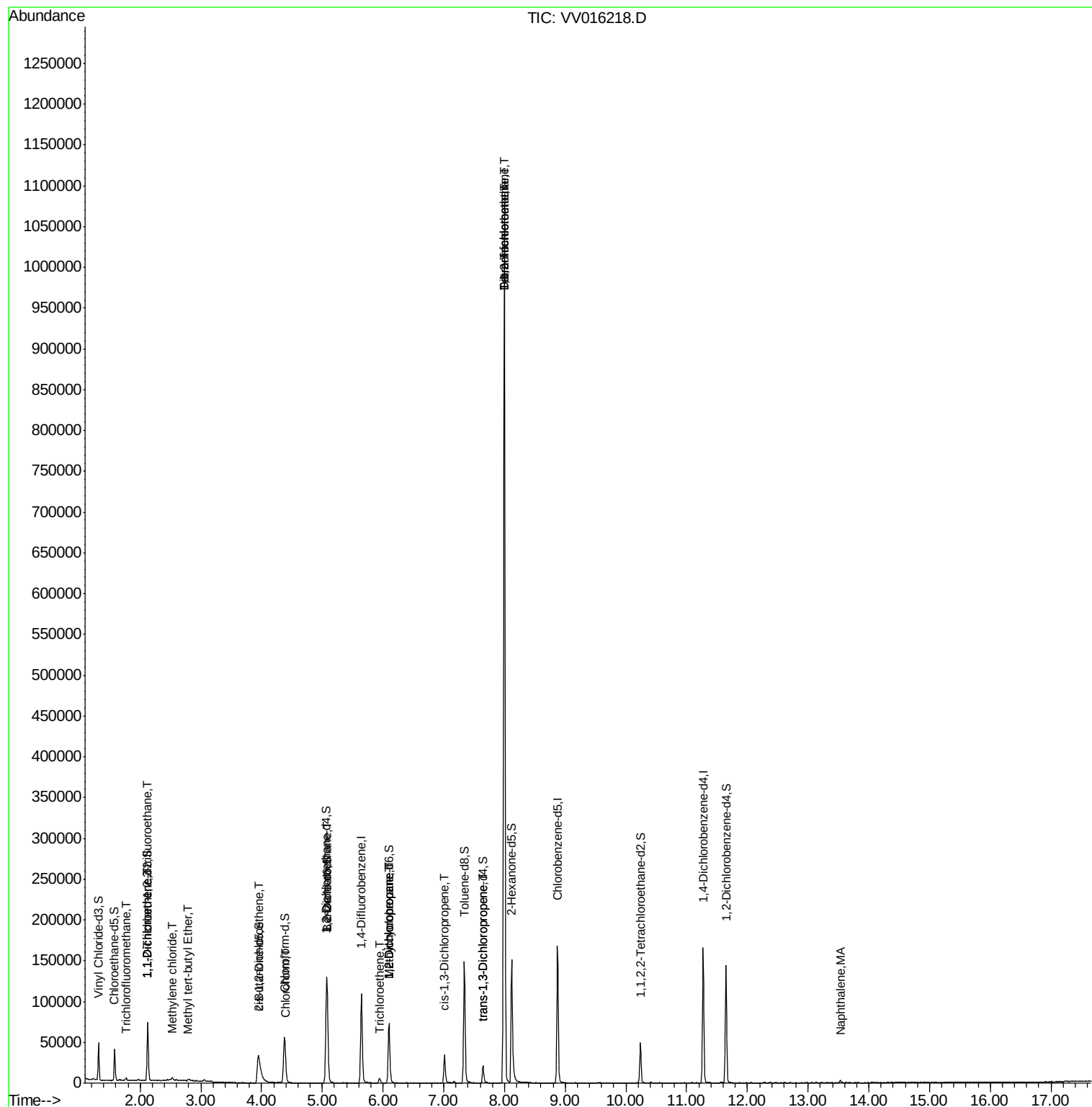
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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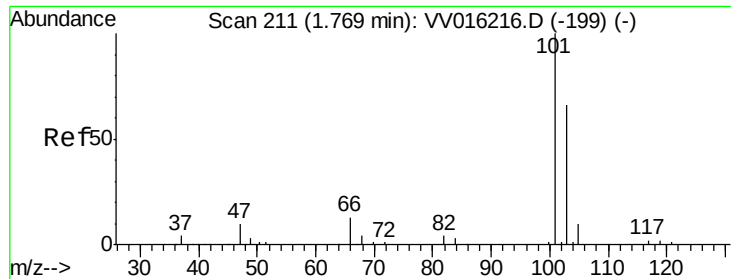
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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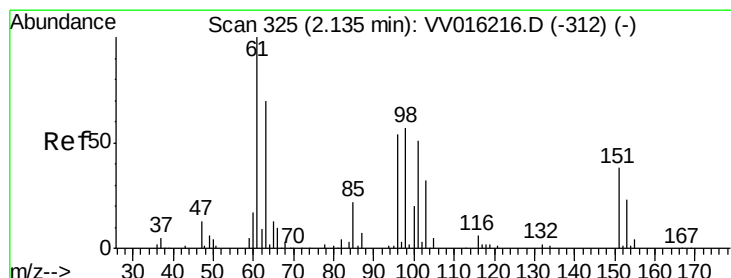
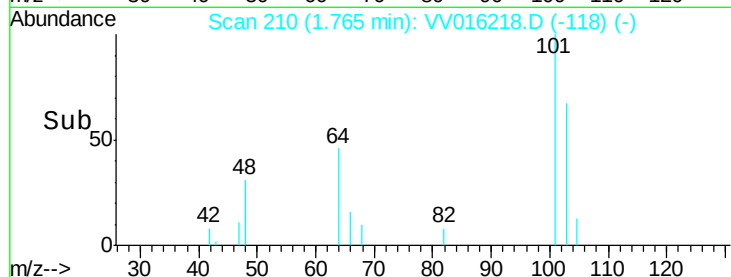
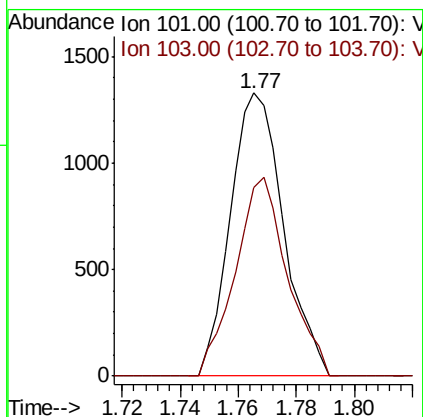
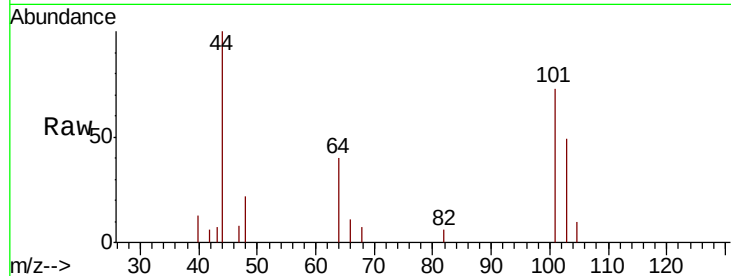


#9

Trichlorofluoromethane
 Concen: 0.171 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV016218.D
 Acq: 27 May 2020 11:13

Instrument :
 MSVOA_V
 ClientSampled :

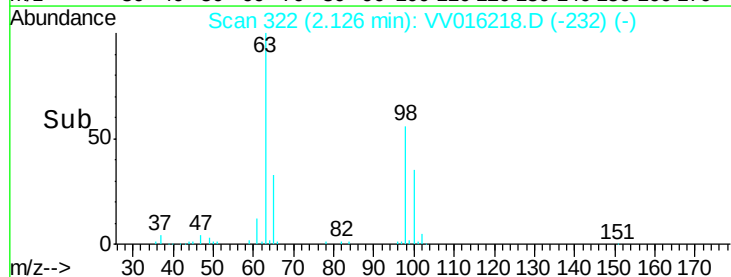
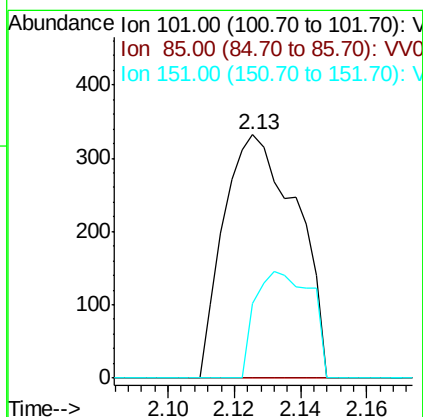
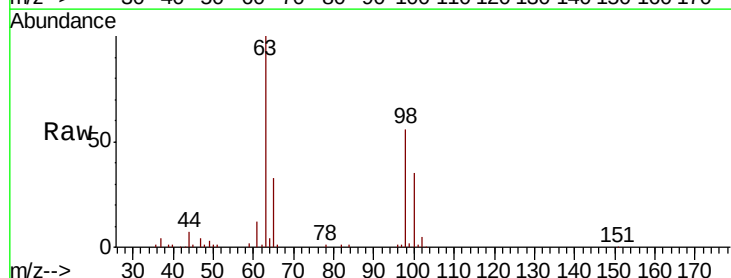
Tot Ion:101 Resp: 1690
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.9 77.9

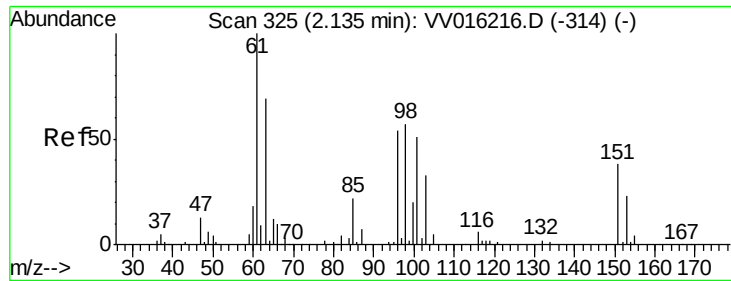


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.094 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV016218.D
 Acq: 27 May 2020 11:13

Tgt Ion:101 Resp: 509
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.0 52.6#
 151 33.6 56.3 84.5#

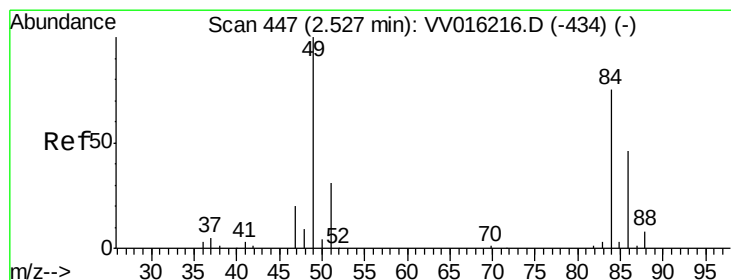
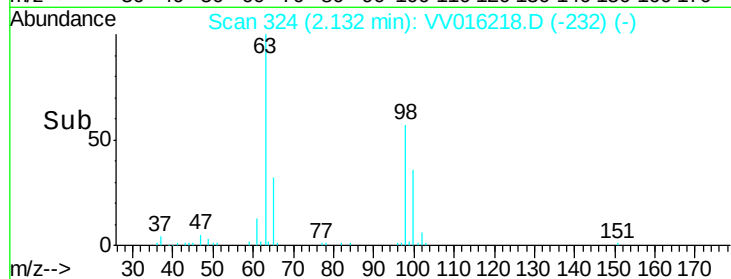
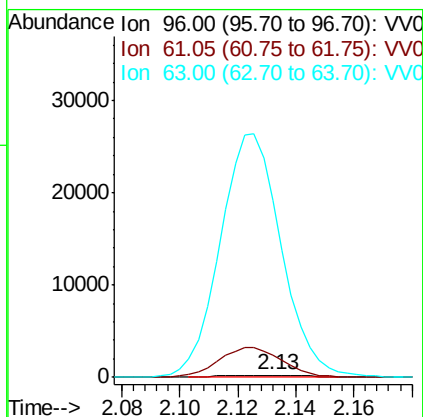
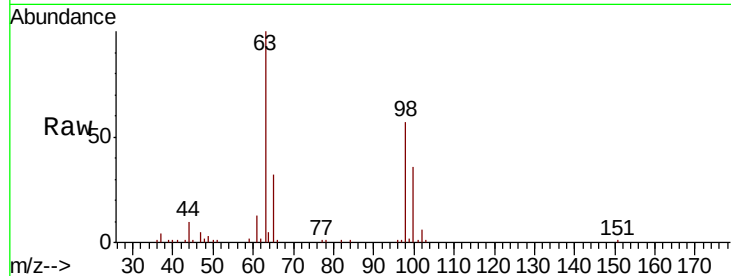




#12
 1,1-Dichloroethene
 Concen: 0.086 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV016218.D
 Acq: 27 May 2020 11:13

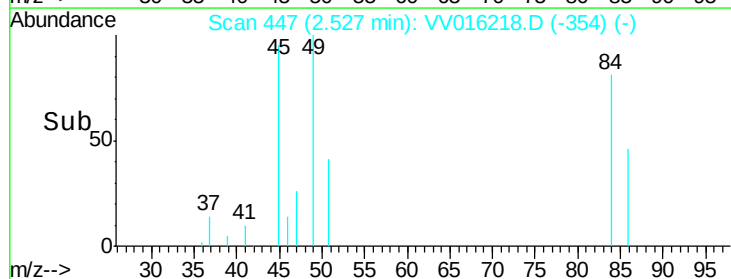
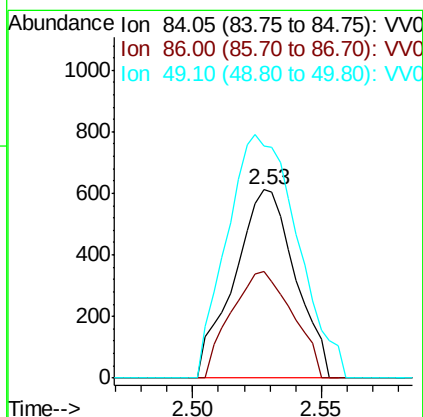
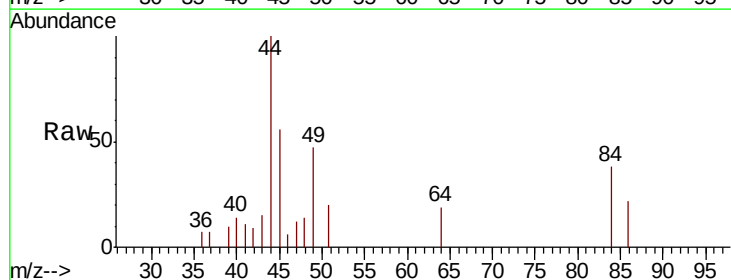
Instrument :
 MSVOA_V
 ClientSampleId :

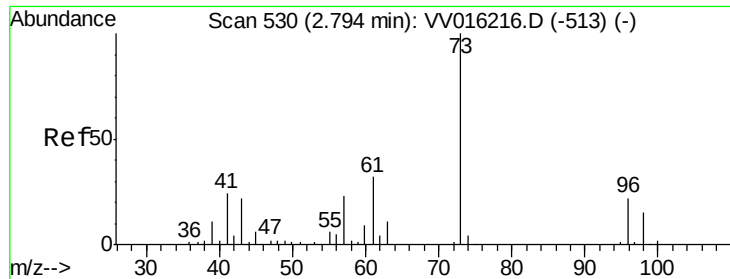
Tot Ion: 96 Resp: 441
 Ion Ratio Lower Upper
 96 100
 61 997.1 124.9 231.9#
 63 7894.7 80.4 149.2#



#16
 Methylene chloride
 Concen: 0.171 ug/L
 RT: 2.53 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: VV016218.D
 Acq: 27 May 2020 11:13

Tgt Ion: 84 Resp: 1009
 Ion Ratio Lower Upper
 84 100
 86 56.7 44.9 83.5
 49 123.4 96.7 179.7

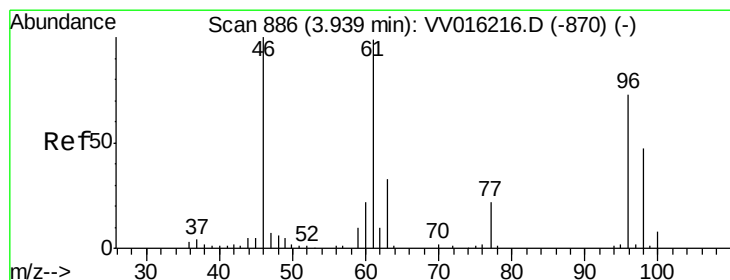
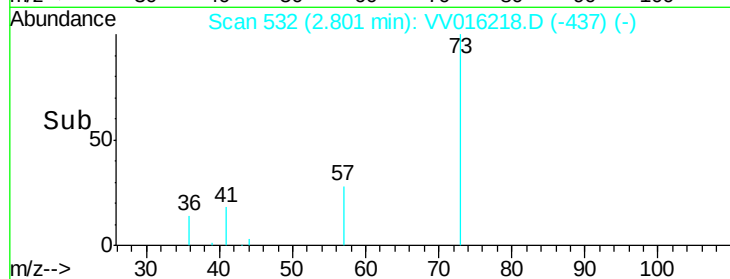
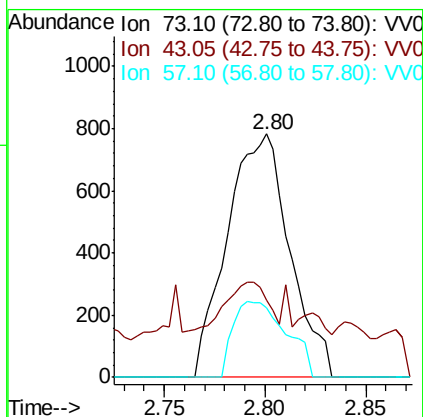
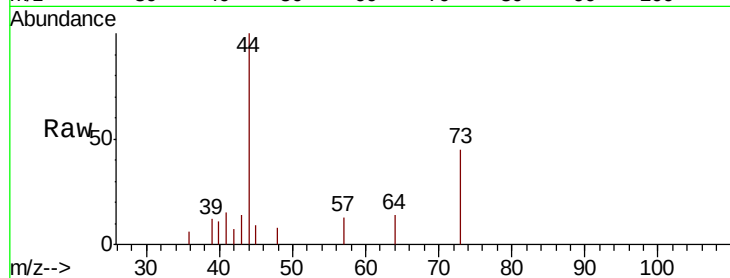




#17
Methyl tert-butyl Ether
Concen: 0.133 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.01 min
Lab File: VV016218.D
Acq: 27 May 2020 11:13

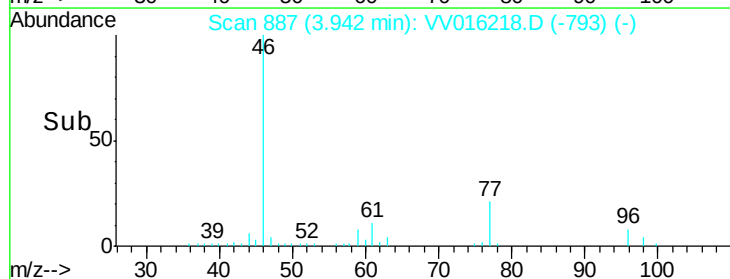
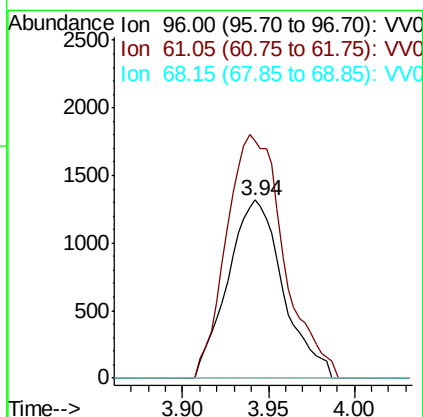
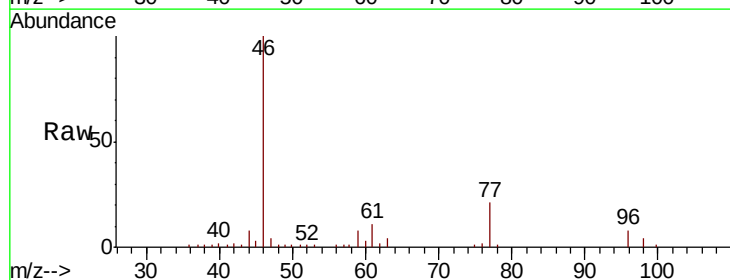
Instrument :
MSVOA_V
ClientSampled :

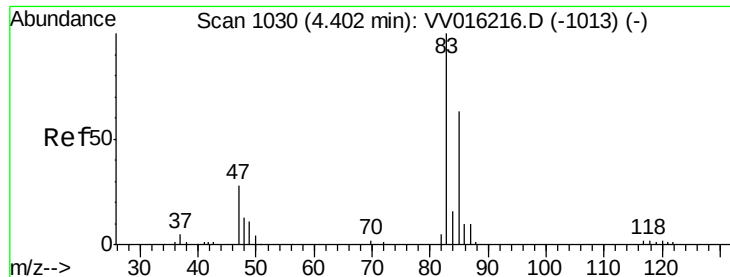
Tot Ion: 73 Resp: 1691
Ion Ratio Lower Upper
73 100
43 2.3 17.8 26.8#
57 0.0 18.9 28.3#



#22
cis-1,2-Dichloroethene
Concen: 0.443 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV016218.D
Acq: 27 May 2020 11:13

Tgt Ion: 96 Resp: 2954
Ion Ratio Lower Upper
96 100
61 133.6 99.7 185.1
68 0.0 0.0 0.0

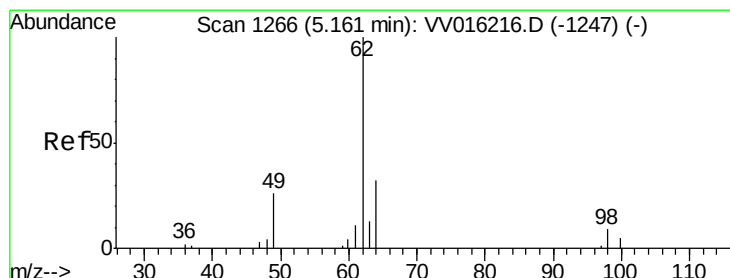
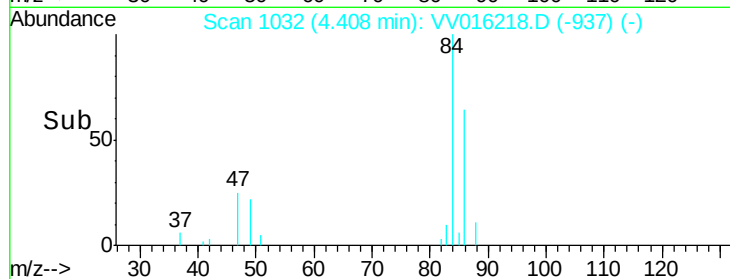
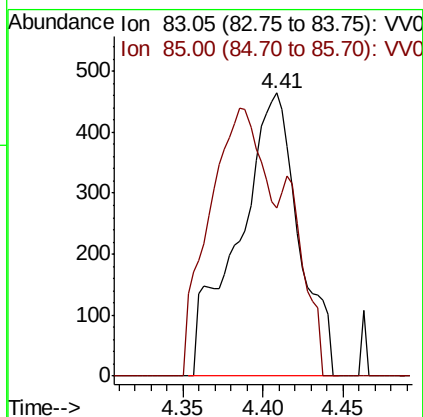
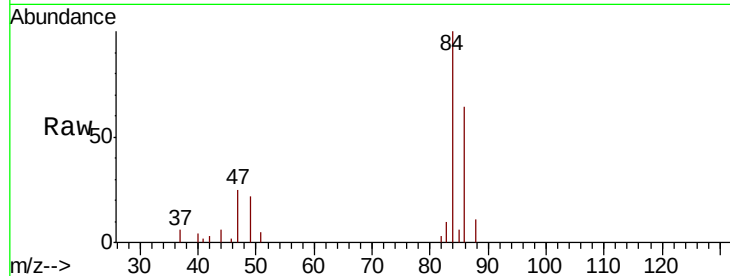




#25
Chloroform
Concen: 0.108 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016218.D
Acq: 27 May 2020 11:13

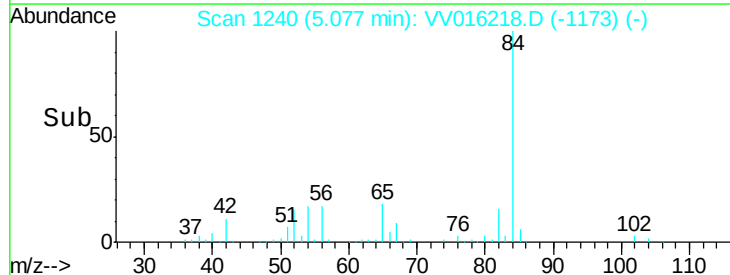
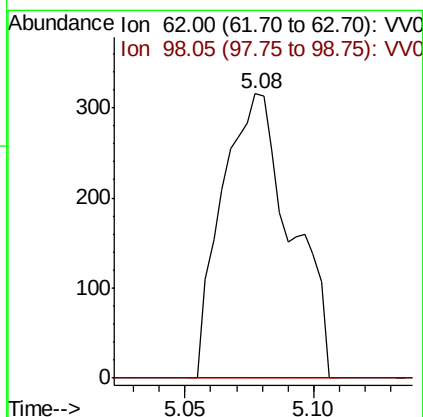
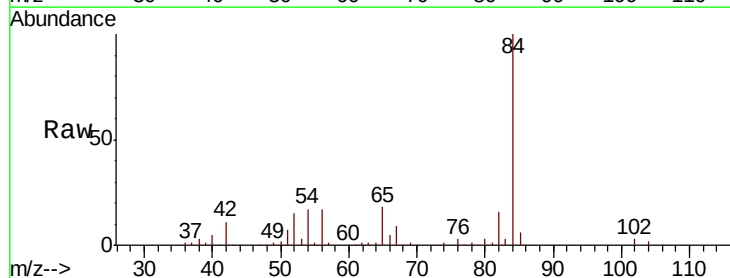
Instrument :
MSVOA_V
ClientSampled :

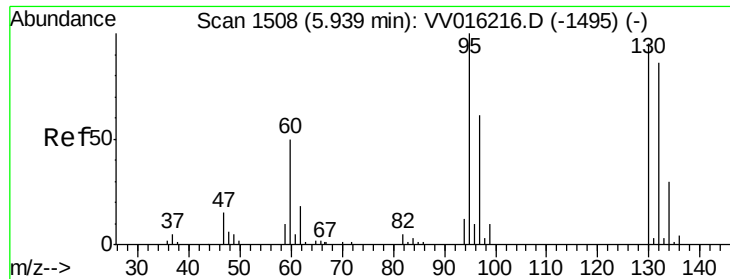
Tot Ion: 83 Resp: 1219
Ion Ratio Lower Upper
83 100
85 59.5 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.080 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV016218.D
Acq: 27 May 2020 11:13

Tgt Ion: 62 Resp: 590
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#34

Trichloroethene

Concen: 0.313 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV016218.D

Acq: 27 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1966

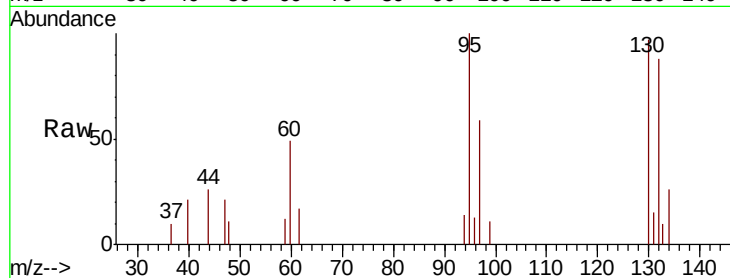
Ion Ratio Lower Upper

95 100

97 59.5 43.6 81.0

132 88.0 63.9 118.7

130 97.4 65.2 121.0

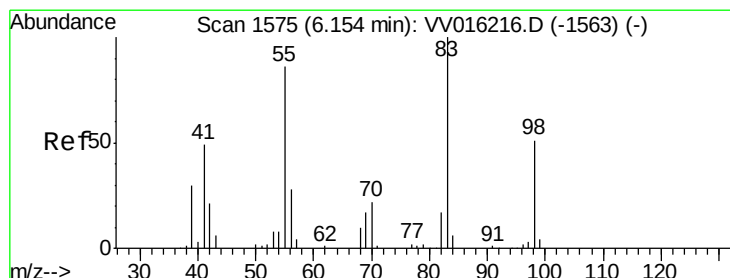
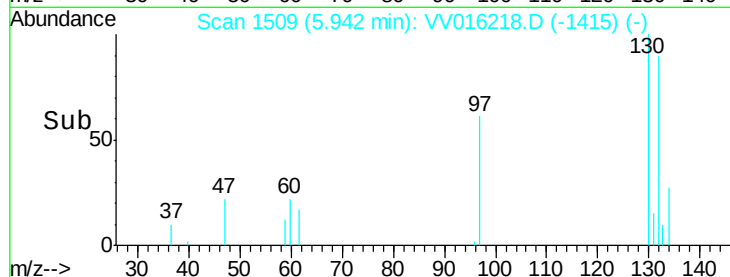
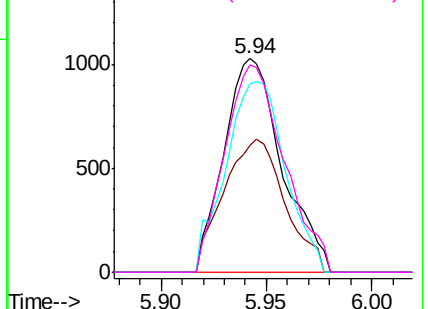


Abundance Ion 95.00 (94.70 to 95.70): VV016218.D (-1495) (-)

Ion 96.95 (96.65 to 97.65): VV016218.D (-1495) (-)

Ion 131.95 (131.65 to 132.65): VV016218.D (-1495) (-)

Ion 129.95 (129.65 to 130.65): VV016218.D (-1495) (-)



#35

Methylcyclohexane

Concen: 0.759 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.05 min

Lab File: VV016218.D

Acq: 27 May 2020 11:13

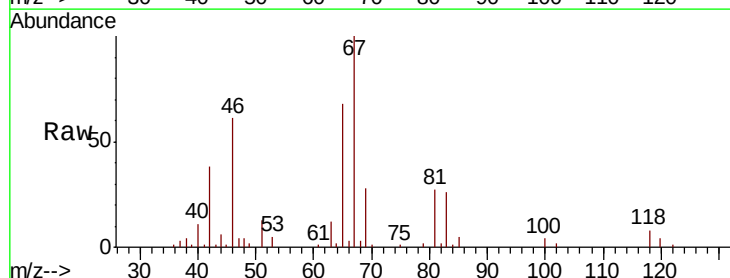
Tgt Ion: 83 Resp: 8041

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

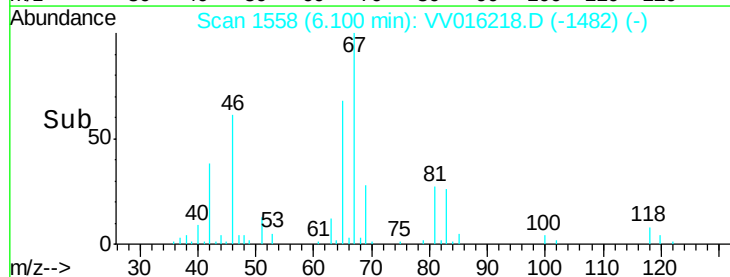
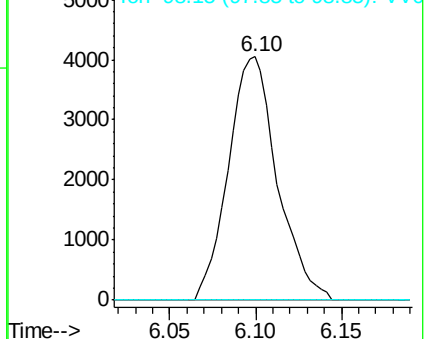
98 1.2 39.3 58.9#

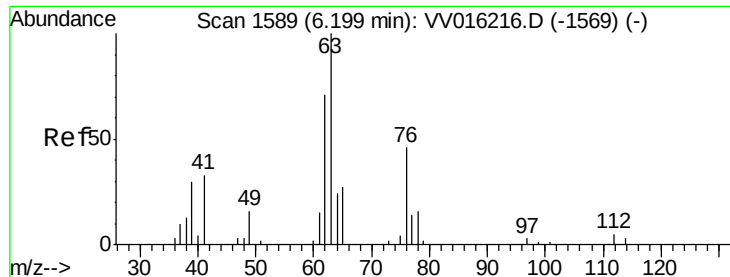


Abundance Ion 83.15 (82.85 to 83.85): VV016218.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016218.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016218.D (-1482) (-)

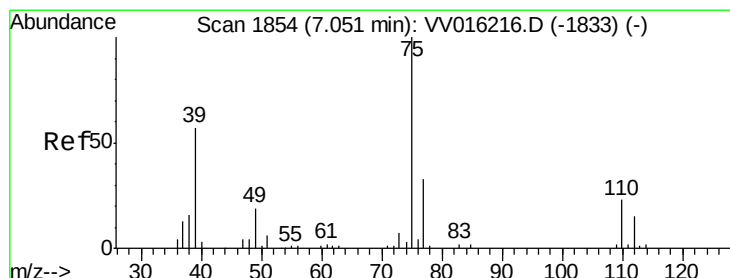
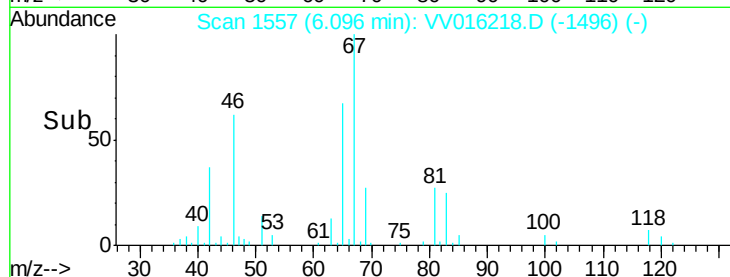
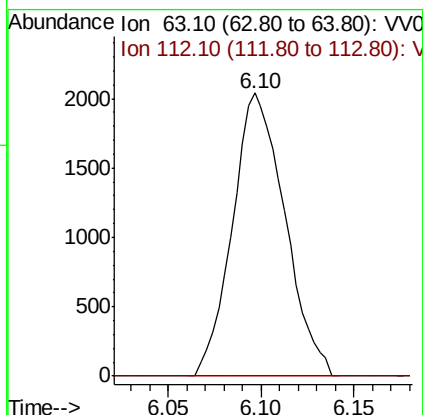
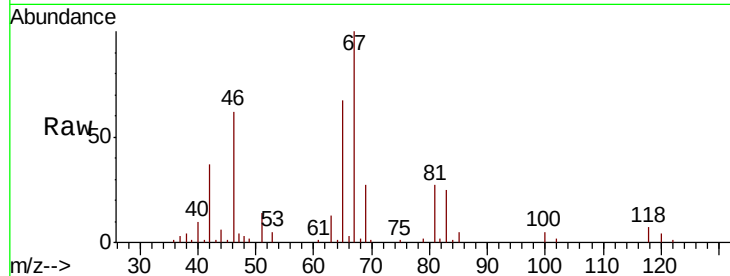




#37
 1,2-Dichloropropane
 Concen: 0.676 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016218.D
 Acq: 27 May 2020 11:13

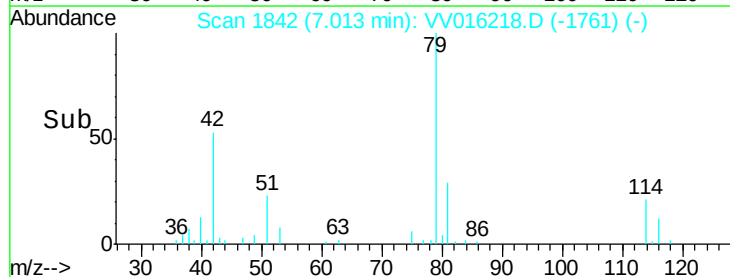
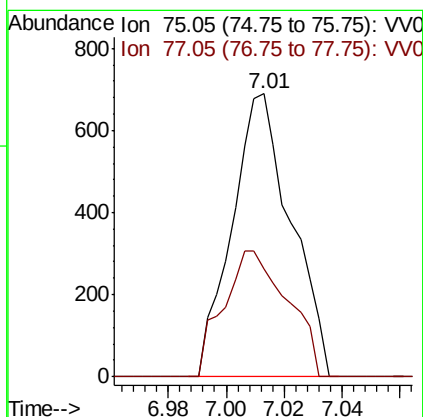
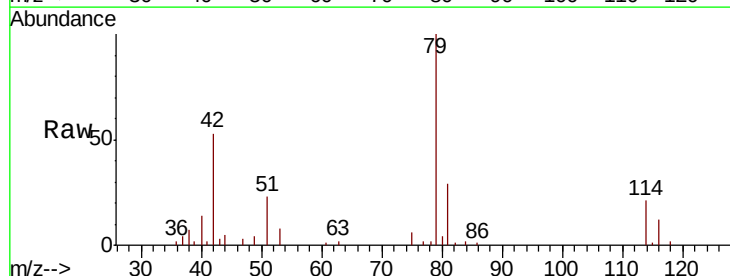
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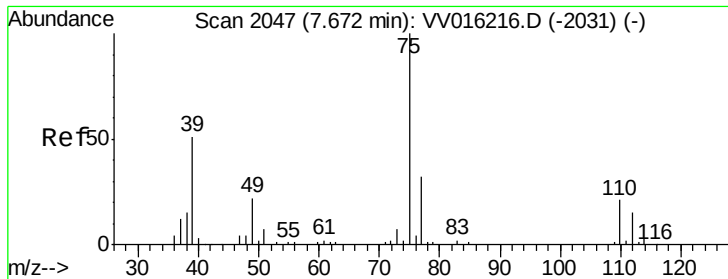
Tot Ion: 63 Resp: 4001
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016218.D
 Acq: 27 May 2020 11:13

Tgt Ion: 75 Resp: 972
 Ion Ratio Lower Upper
 75 100
 77 38.3 21.7 40.3

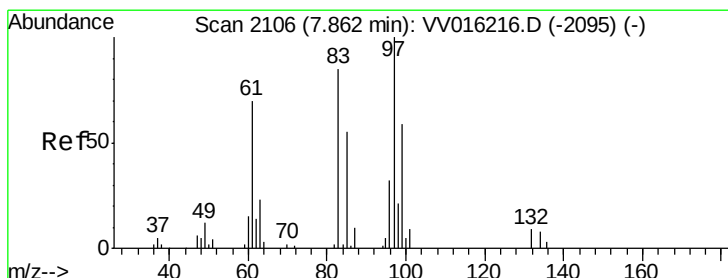
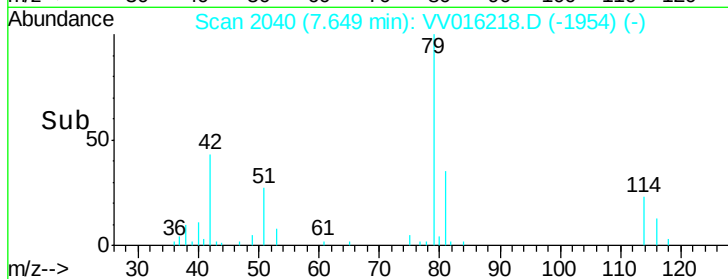
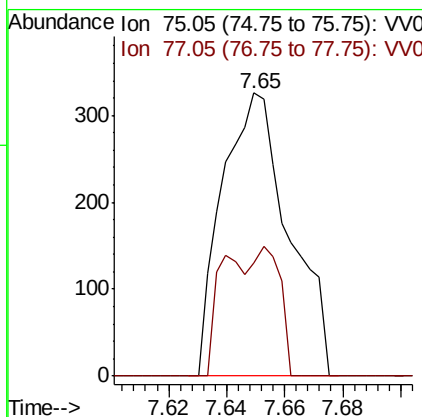
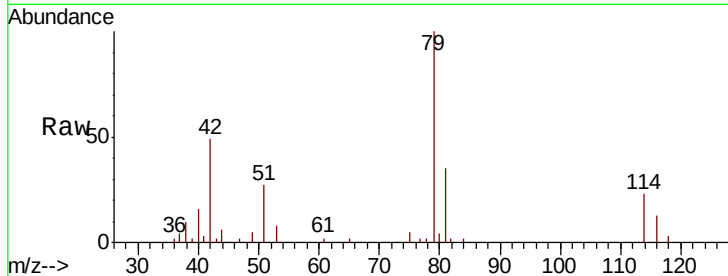




#46
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016218.D
Acq: 27 May 2020 11:13

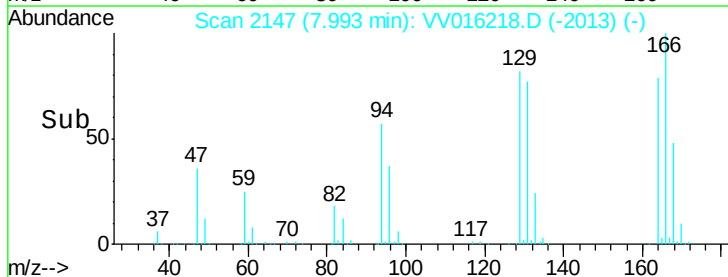
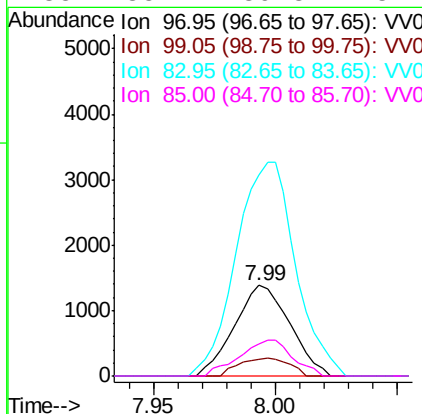
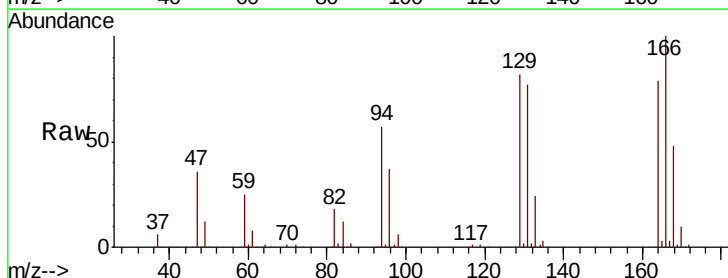
Instrument :
MSVOA_V
ClientSampleId :

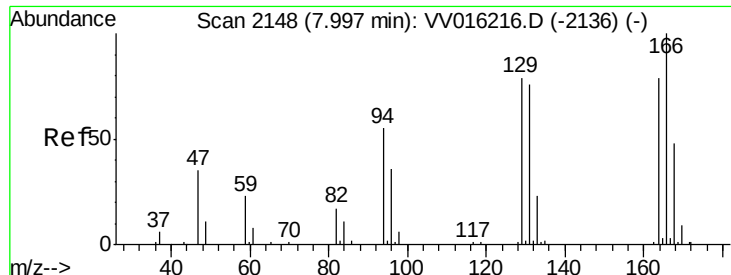
Tot Ion: 75 Resp: 520
Ion Ratio Lower Upper
75 100
77 39.9 21.7 40.3



#47
1,1,2-Trichloroethane
Concen: 0.558 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.13 min
Lab File: VV016218.D
Acq: 27 May 2020 11:13

Tgt Ion: 97 Resp: 2173
Ion Ratio Lower Upper
97 100
99 19.0 40.8 75.8#
83 221.8 60.0 111.4#
85 35.1 39.3 73.1#





#49

Tetrachloroethene

Concen: 47.121 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016218.D

Acq: 27 May 2020 11:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 212618

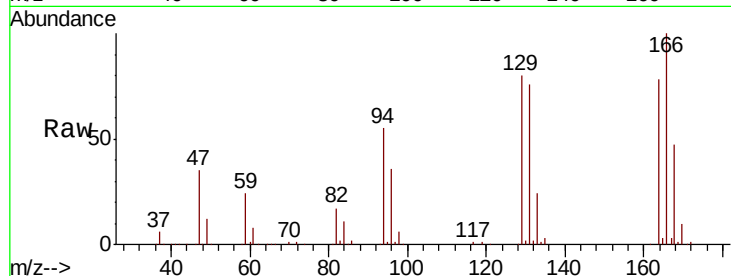
Ion Ratio Lower Upper

164 100

129 102.3 70.7 131.3

131 97.1 66.6 123.8

166 127.5 86.9 161.5

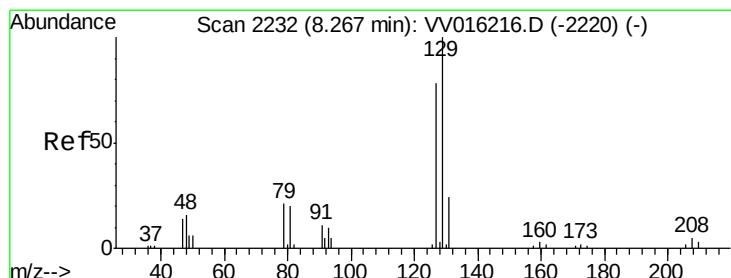
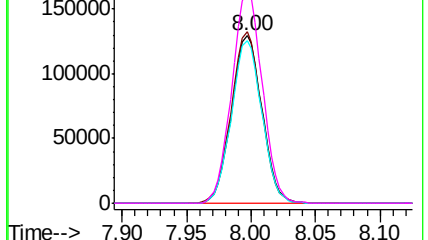
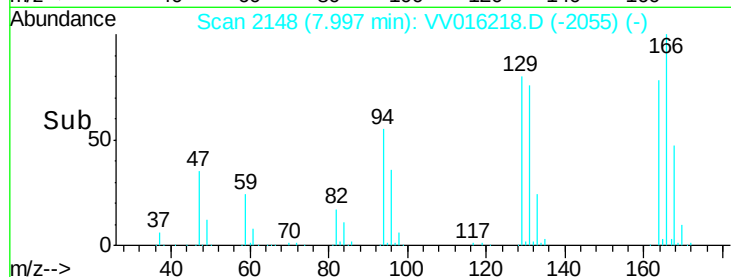


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#51

Dibromochloromethane

Concen: 50.987 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016218.D

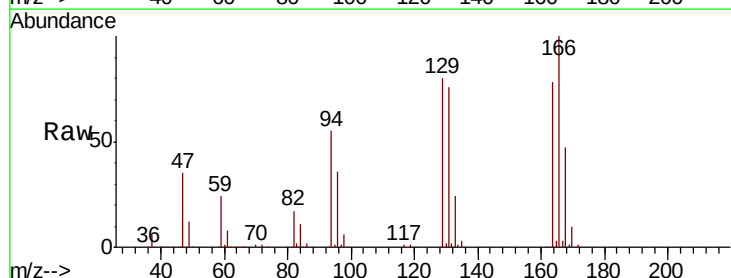
Acq: 27 May 2020 11:13

Tgt Ion:129 Resp: 210173

Ion Ratio Lower Upper

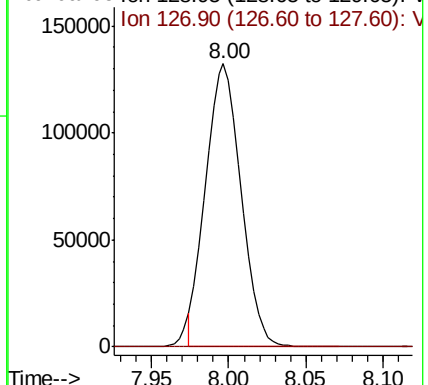
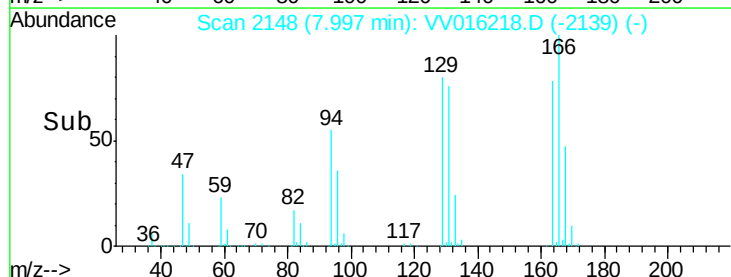
129 100

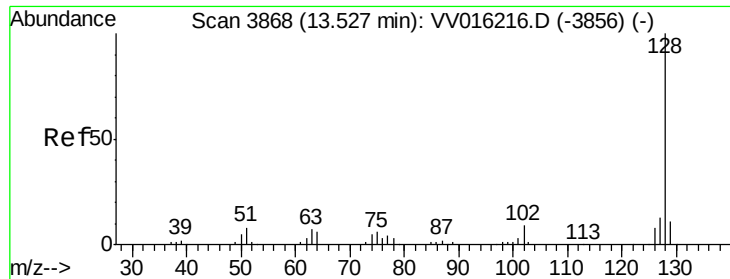
127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#70

Naphthalene

Concen: 0.165 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016218.D

Acq: 27 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

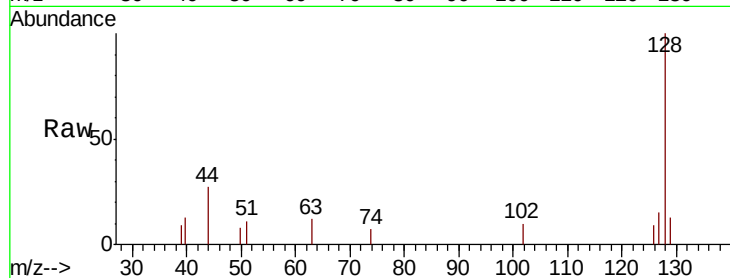
Tot Ion:128 Resp: 2603

Ion Ratio Lower Upper

128 100

129 8.4 8.6 13.0#

127 13.8 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

