

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015530.D
 Acq On : 16 Apr 2020 12:23
 Operator : SY/MD
 Sample : L2288-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 00:48:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	103272	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	98973	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	47686	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28382	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.58	69	26047	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.12	63	40503	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.94	46	81623	54.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	4.38	84	59203	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	32530	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.08	84	115277	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.09	67	36100	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.34	98	105664	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.64	79	14272	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.11	63	63454	44.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24279	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	38170	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

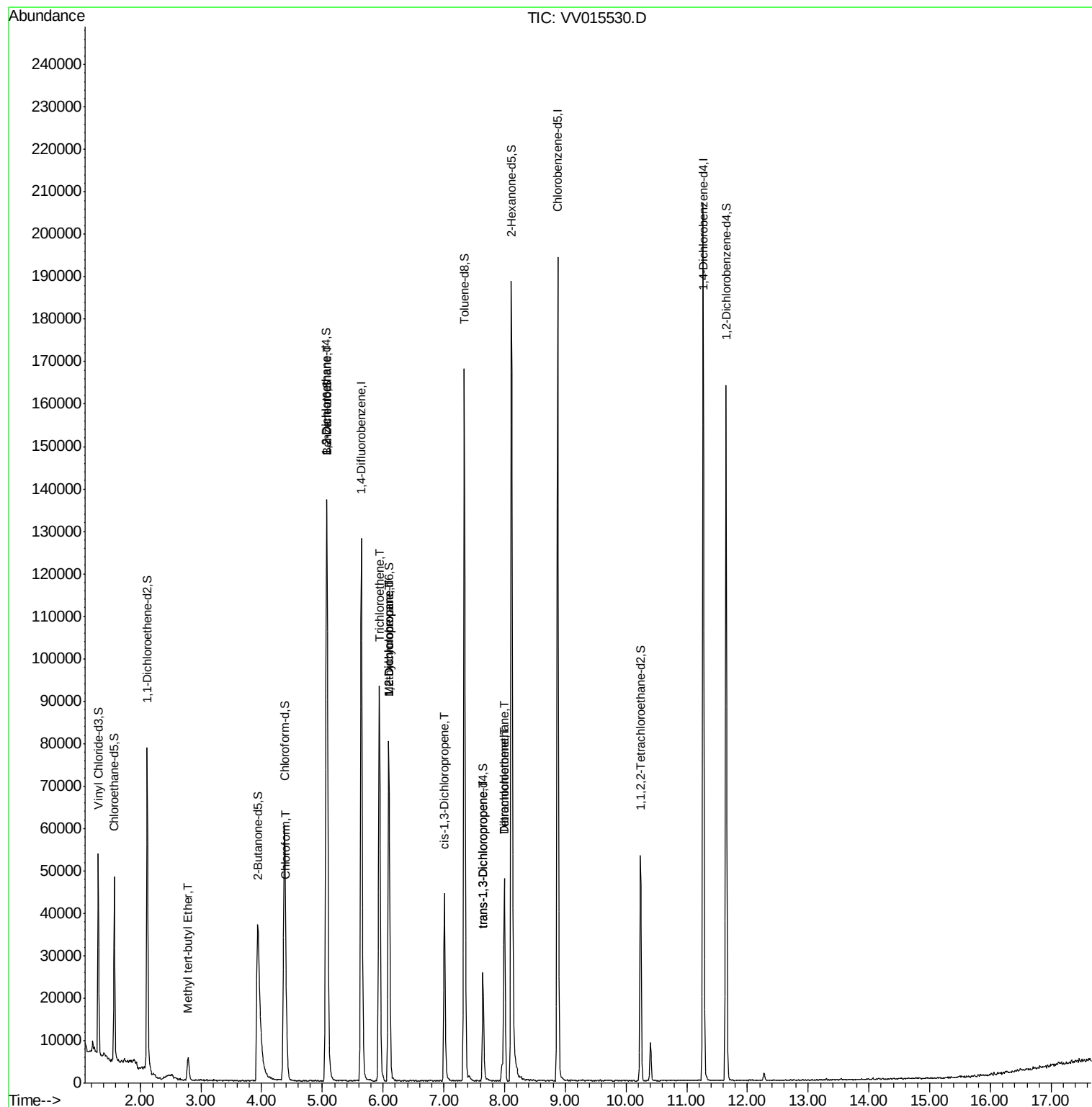
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
17) Methyl tert-butyl Ether	2.79	73	5315	0.307	ug/L	94
25) Chloroform	4.41	83	9286	0.659	ug/L	96
27) 1,2-Dichloroethane	5.07	62	876	0.096	ug/L #	77
34) Trichloroethene	5.94	95	32625	4.092	ug/L	97
35) Methylcyclohexane	6.10	83	9157	0.682	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4564	0.621	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1214	0.108	ug/L #	71
44) trans-1,3-Dichloropropene	7.65	75	625	0.066	ug/L #	44
47) Tetrachloroethene	8.00	164	10032	1.698	ug/L	98
49) Dibromochloromethane	8.00	129	9728	1.644	ug/L #	10

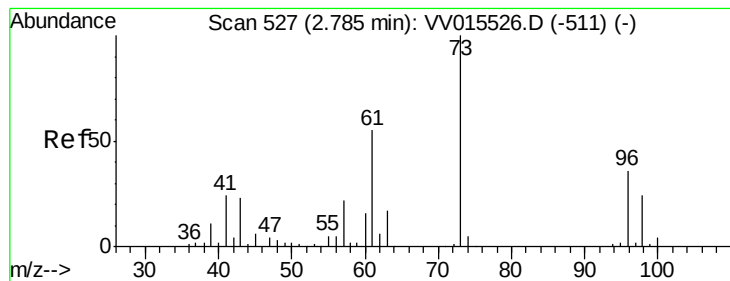
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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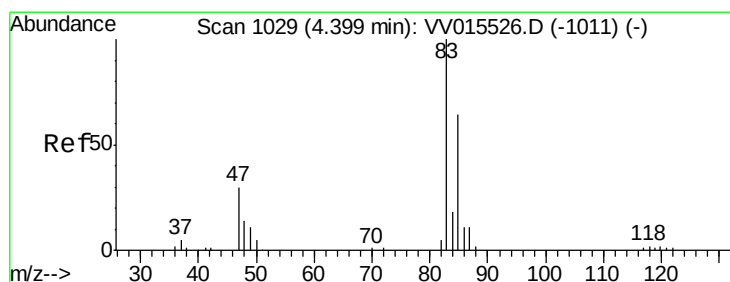
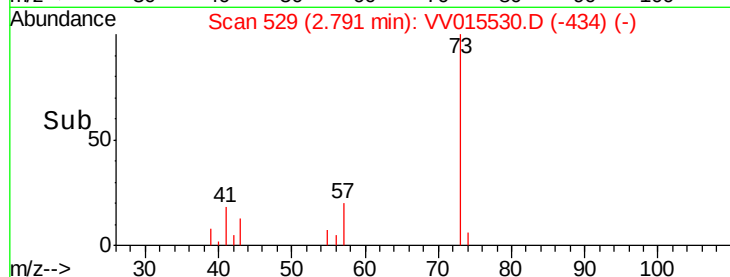
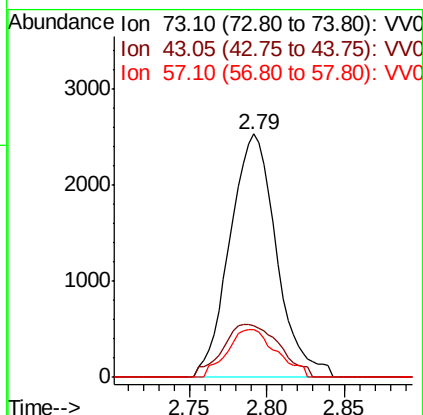
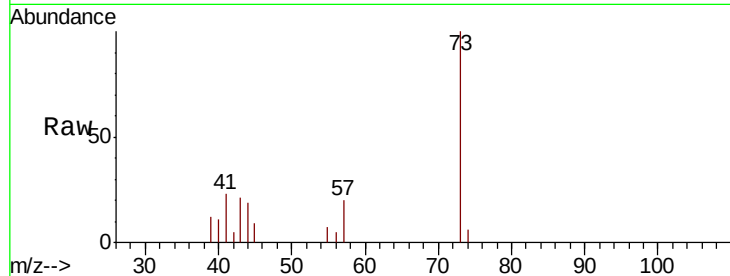


#17

Methyl tert-butyl Ether
 Concen: 0.307 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VV015530.D
 Acq: 16 Apr 2020 12:23

Instrument :
 MSVOA_V
 ClientSampleId :

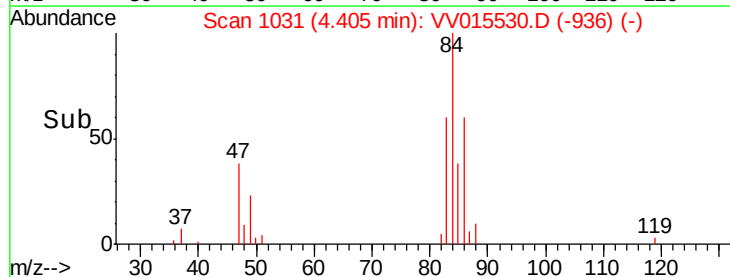
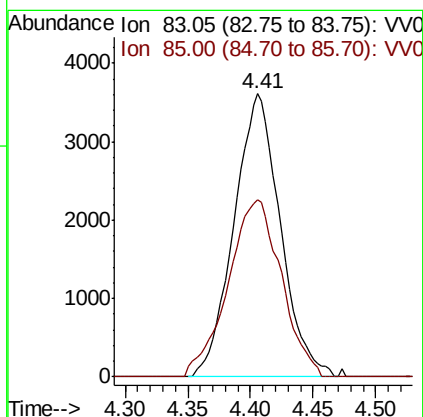
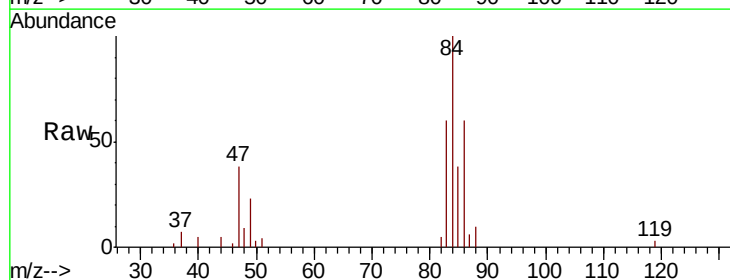
Tot Ion: 73 Resp: 5315
 Ion Ratio Lower Upper
 73 100
 43 26.6 18.3 27.5
 57 20.6 18.4 27.6

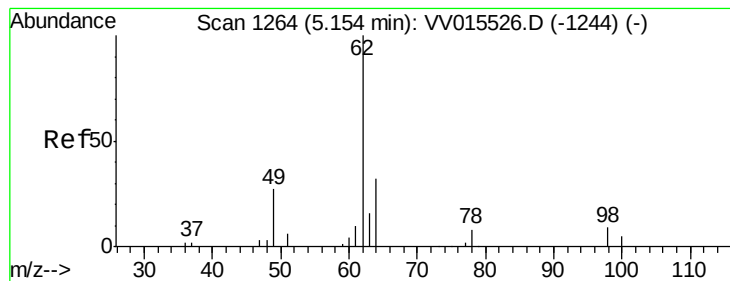


#25

Chloroform
 Concen: 0.659 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV015530.D
 Acq: 16 Apr 2020 12:23

Tgt Ion: 83 Resp: 9286
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.9 85.3





#27

1,2-Dichloroethane

Concen: 0.096 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV015530.D

Acq: 16 Apr 2020 12:23

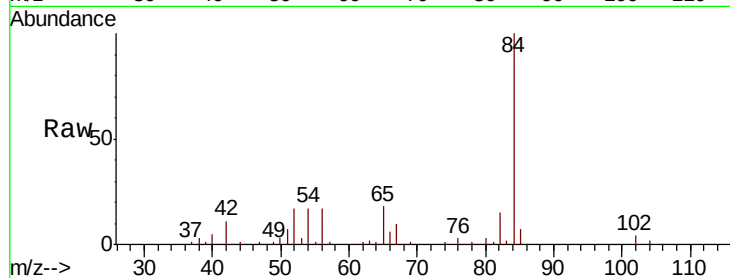
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 876

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV015530.D (-1171) (-)

Ion 98.05 (97.75 to 98.75): VV015530.D (-1171) (-)

5.07

400

300

200

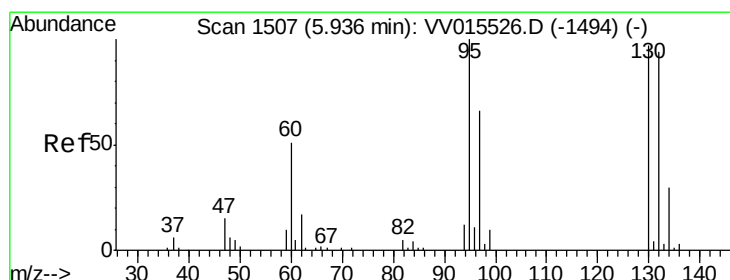
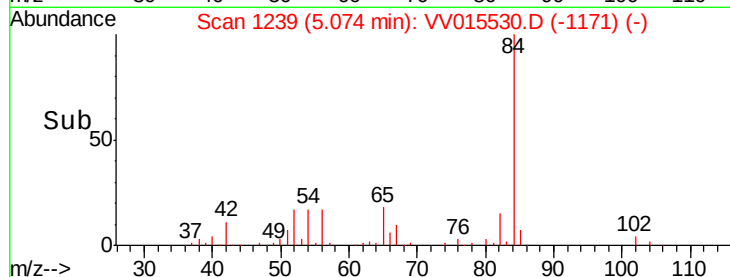
100

0

5.05

5.10

Time-->



#34

Trichloroethene

Concen: 4.092 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015530.D

Acq: 16 Apr 2020 12:23

Tgt Ion: 95 Resp: 32625

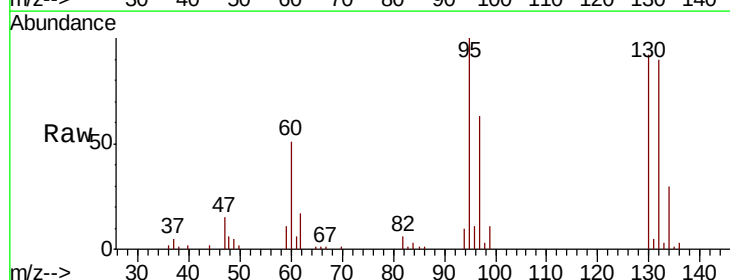
Ion Ratio Lower Upper

95 100

97 62.8 45.4 84.4

132 89.7 64.8 120.4

130 92.1 67.4 125.2



Abundance Ion 95.00 (94.70 to 95.70): VV015530.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015530.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015530.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015530.D (-1414) (-)

5.94

25000

20000

15000

10000

5000

0

5.85

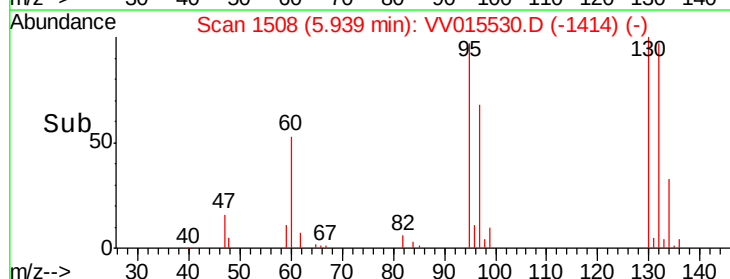
5.90

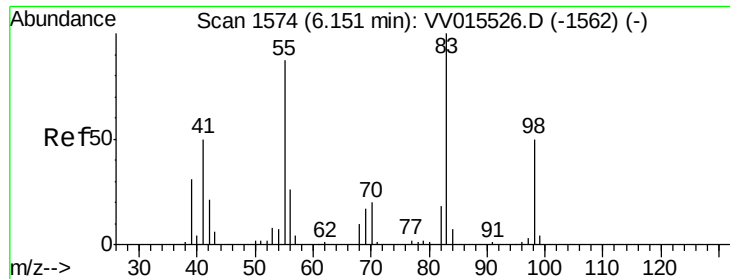
5.95

6.00

6.05

Time-->

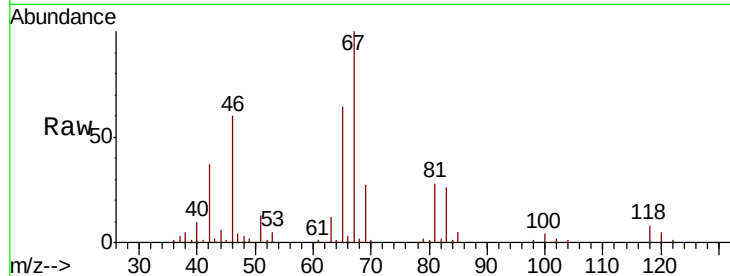




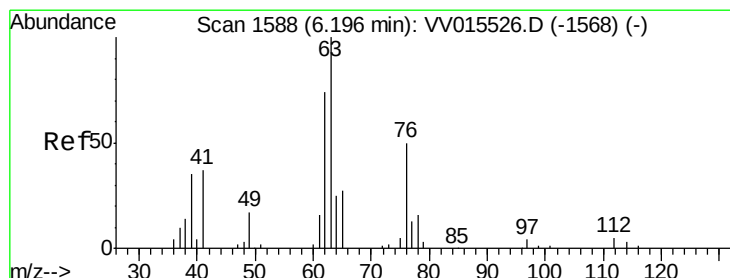
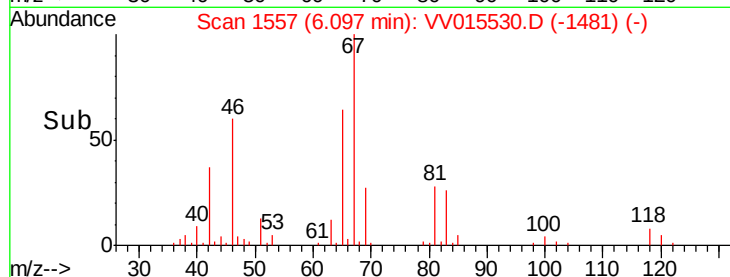
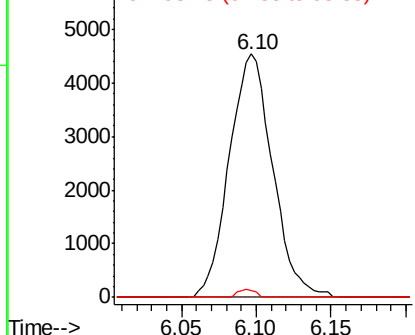
#35
Methylvlcyclohexane
Concen: 0.682 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015530.D
Acq: 16 Apr 2020 12:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 9157
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 1.3 38.7 58.1#

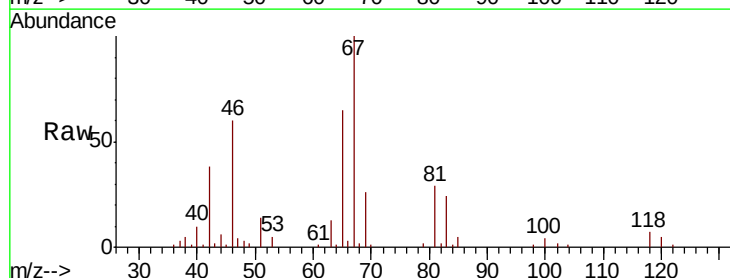


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

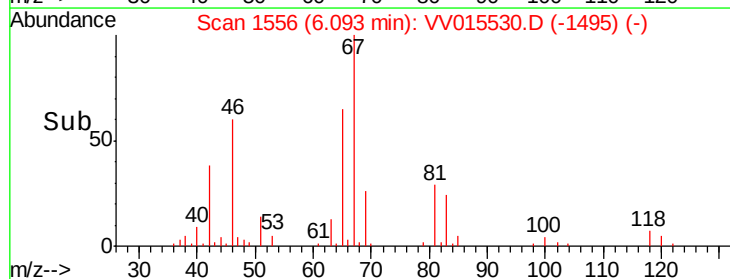
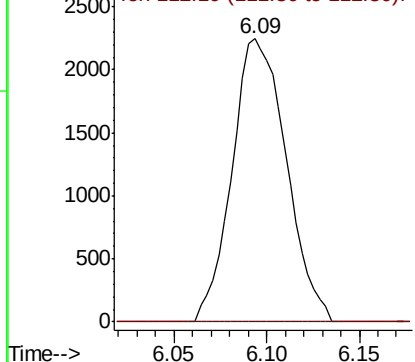


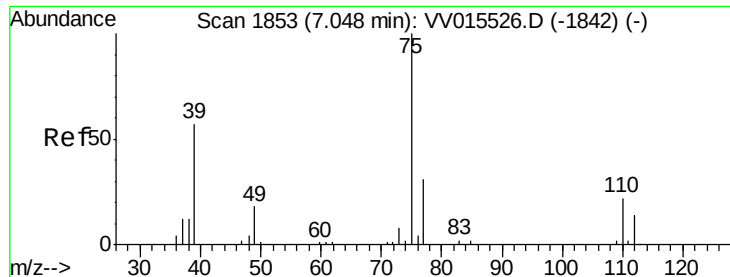
#37
1,2-Dichloropropane
Concen: 0.621 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015530.D
Acq: 16 Apr 2020 12:23

Tgt Ion: 63 Resp: 4564
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

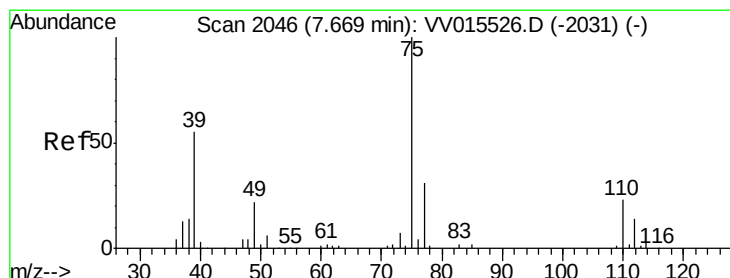
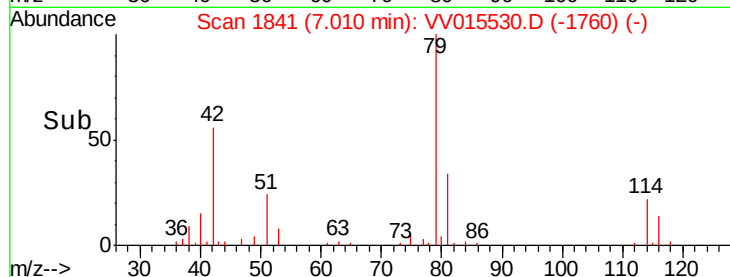
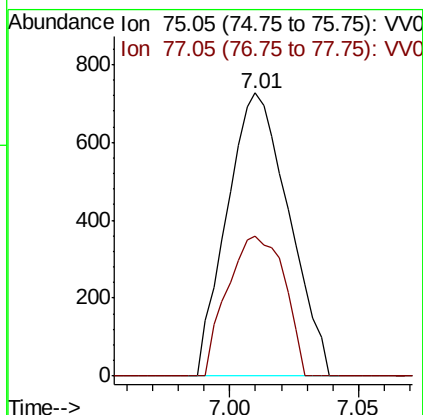
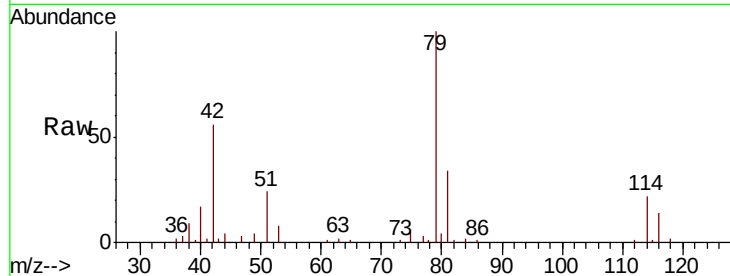




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015530.D
 Acq: 16 Apr 2020 12:23

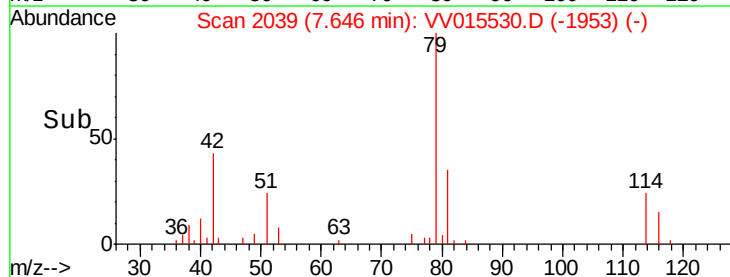
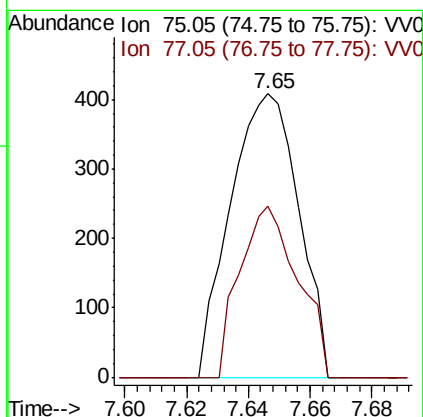
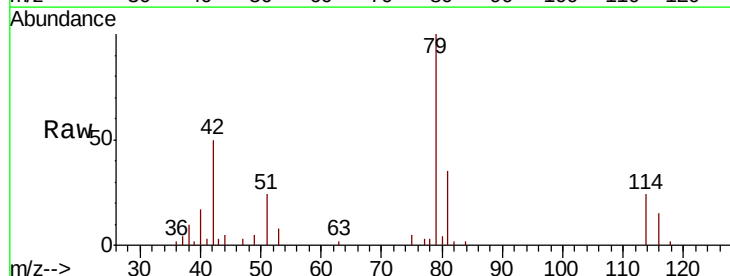
Instrument :
 MSVOA_V
 ClientSampleId :

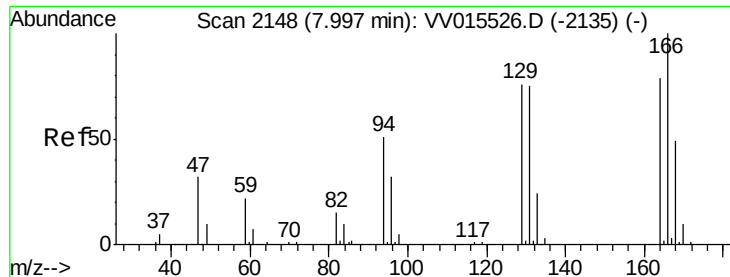
Tot Ion: 75 Resp: 1214
 Ion Ratio Lower Upper
 75 100
 77 49.2 23.0 42.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: VV015530.D
 Acq: 16 Apr 2020 12:23

Tgt Ion: 75 Resp: 625
 Ion Ratio Lower Upper
 75 100
 77 60.3 21.0 39.0#





#47

Tetrachloroethene

Concen: 1.698 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015530.D

Acq: 16 Apr 2020 12:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 10032

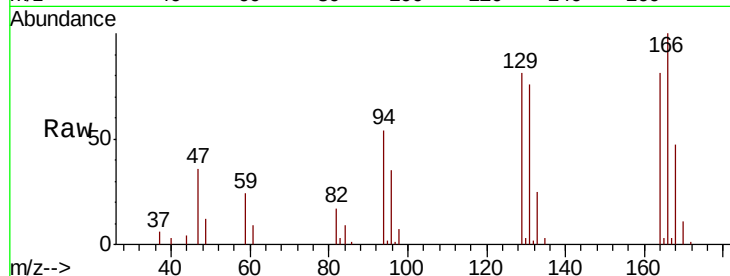
Ion Ratio Lower Upper

164 100

129 100.3 70.6 131.0

131 94.1 68.3 126.8

166 123.3 88.3 163.9

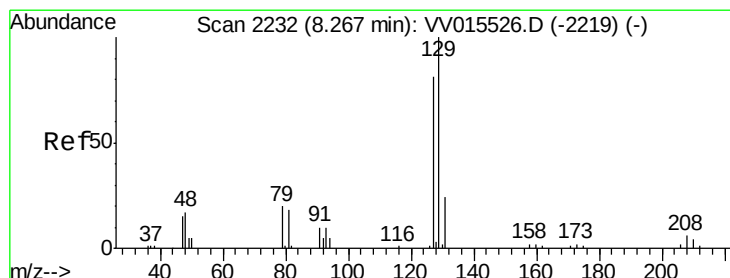
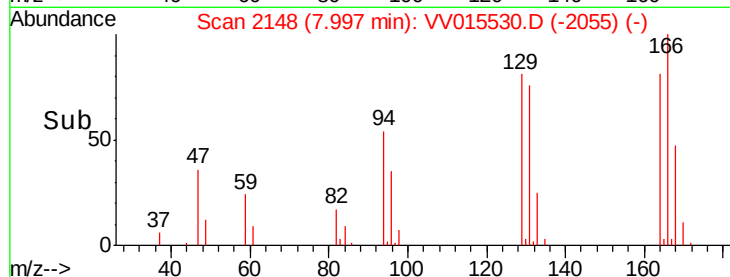
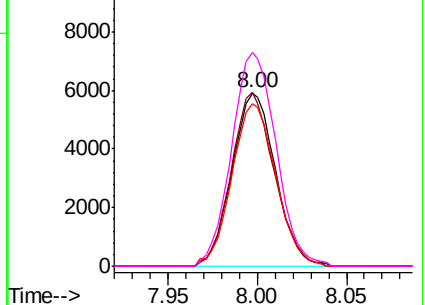


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 1.644 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015530.D

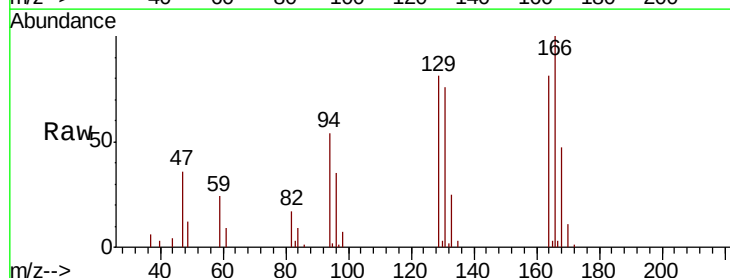
Acq: 16 Apr 2020 12:23

Tgt Ion:129 Resp: 9728

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

