

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015509.D
 Acq On : 15 Apr 2020 15:12
 Operator : SY/MD
 Sample : L2273-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 00:42:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	113824	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	105620	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	51728	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29808	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.58	69	27393	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.12	63	43260	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	3.92	46	77386	46.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.34%
24) Chloroform-d	4.38	84	58765	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.06	65	33715	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	117758	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.09	67	36497	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.34	98	105937	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.65	79	14743	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.11	63	60535	39.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24174	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	38576	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

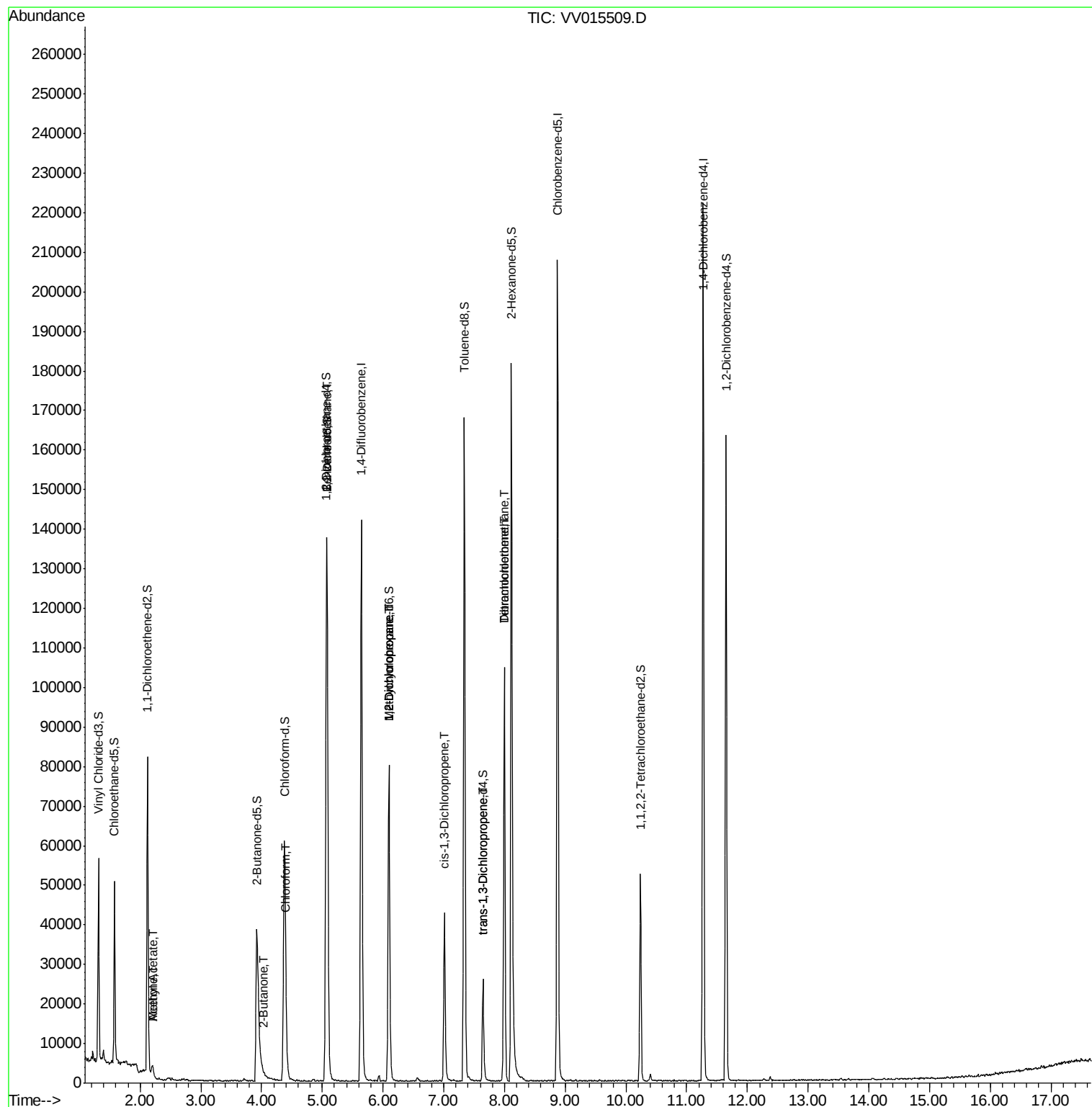
					Ovalue
13) Acetone	2.20	43	4886	4.170 ug/L #	50
15) Methyl Acetate	2.20	43	4861	1.402 ug/L #	57
21) 2-Butanone	4.04	43	1621	0.856 ug/L	88
25) Chloroform	4.41	83	4259	0.274 ug/L	98
27) 1,2-Dichloroethane	5.08	62	733	0.073 ug/L #	77
35) Methylcyclohexane	6.09	83	9218	0.643 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4403	0.562 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1205	0.100 ug/L	90
44) trans-1,3-Dichloropropene	7.65	75	552	0.054 ug/L #	55
47) Tetrachloroethene	8.00	164	21650	3.434 ug/L	96
49) Dibromochloromethane	8.00	129	21054	3.335 ug/L #	10

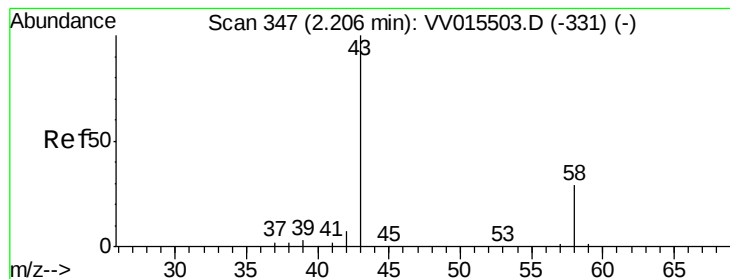
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.170 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

Instrument :

MSVOA_V

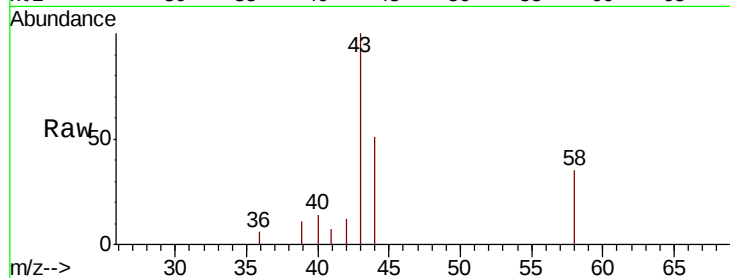
ClientSampleId :

Tot Ion: 43 Resp: 4886

Ion Ratio Lower Upper

43 100

58 30.2 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015503.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV015503.D (-331) (-)

2.20

1500

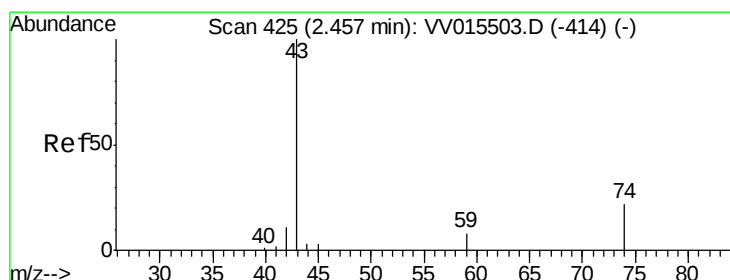
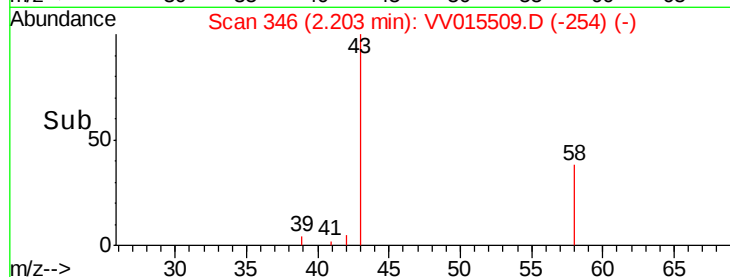
1000

500

0

Time-->

2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 1.402 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.25 min

Lab File: VV015509.D

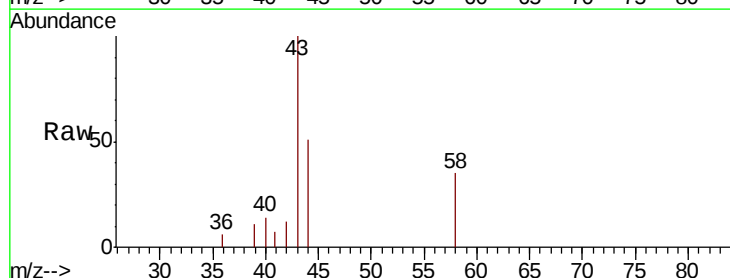
Acq: 15 Apr 2020 15:12

Tgt Ion: 43 Resp: 4861

Ion Ratio Lower Upper

43 100

74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015503.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VV015503.D (-414) (-)

2.20

1500

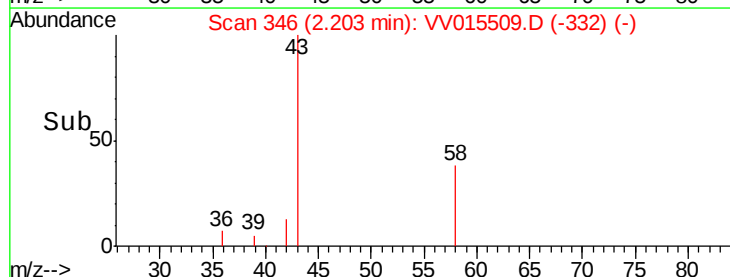
1000

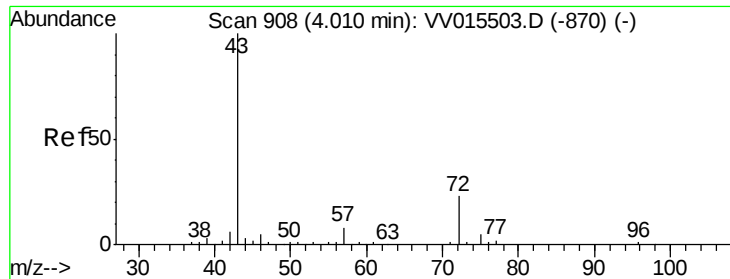
500

0

Time-->

2.15 2.20 2.25 2.30





#21

2-Butanone

Concen: 0.856 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.03 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

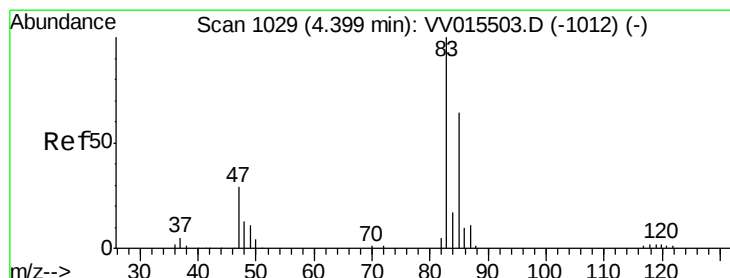
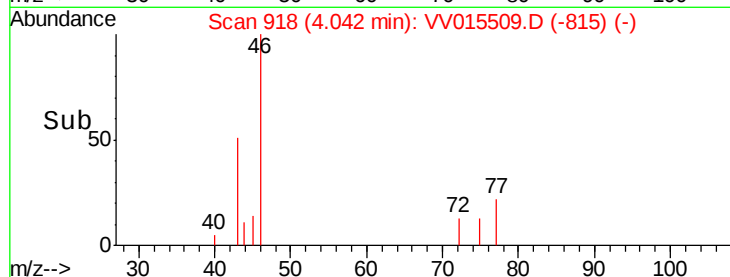
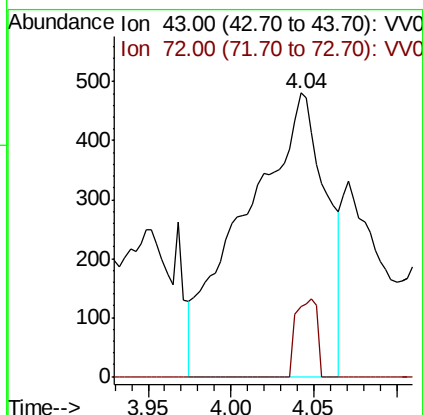
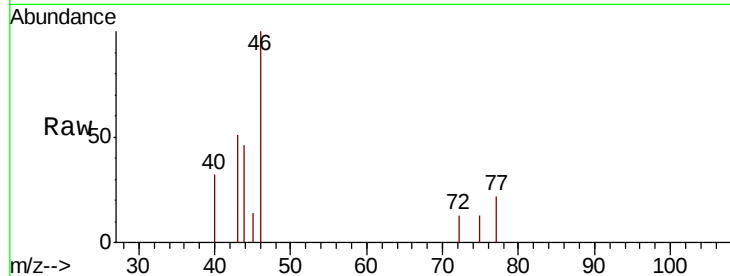
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1621

Ion Ratio Lower Upper

43 100

72 7.1 5.9 17.8



#25

Chloroform

Concen: 0.274 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015509.D

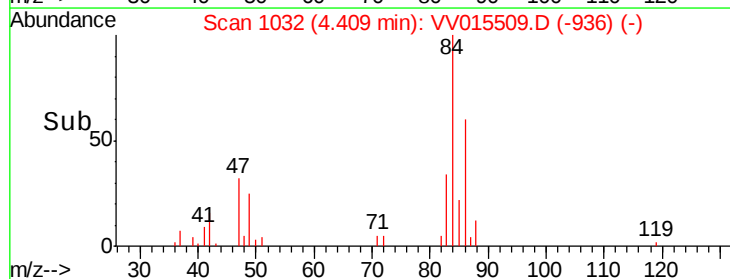
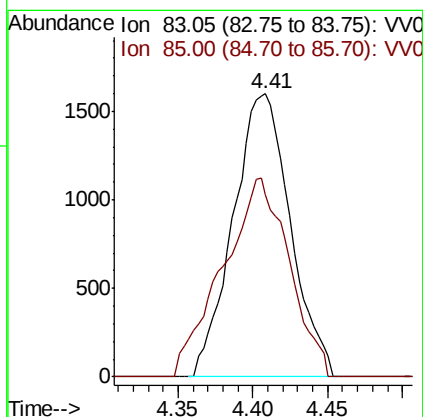
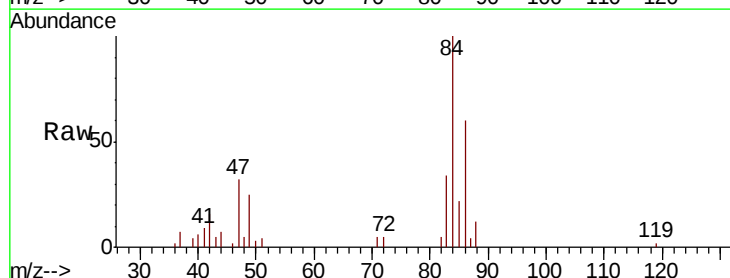
Acq: 15 Apr 2020 15:12

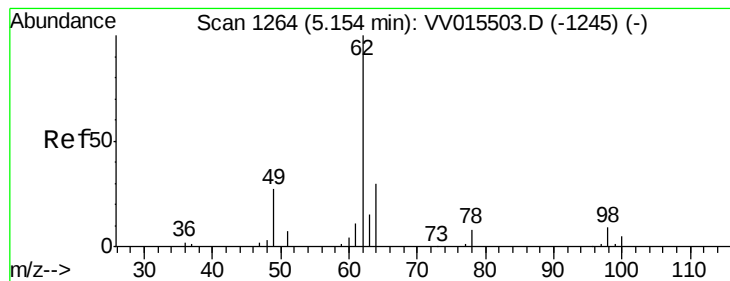
Tgt Ion: 83 Resp: 4259

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3





#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

Instrument :

MSVOA_V

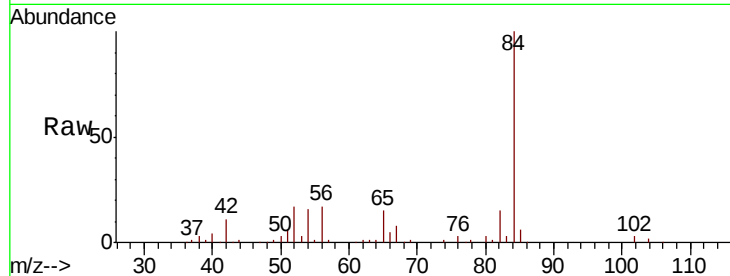
ClientSampleId :

Tot Ion: 62 Resp: 733

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.08

400

300

200

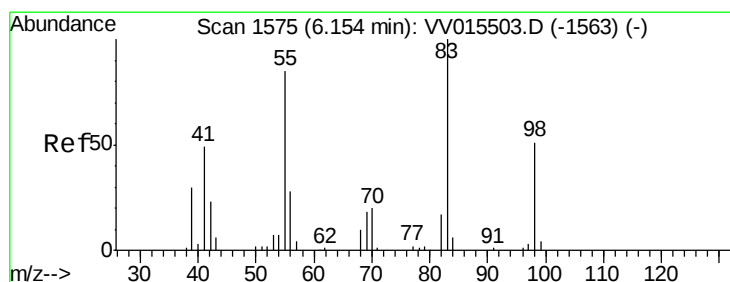
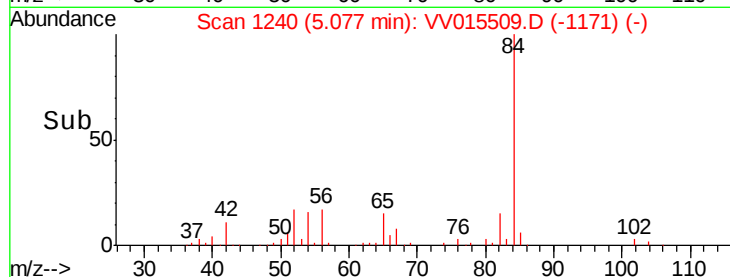
100

0

5.05

5.10

Time-->



#35

Methylcyclohexane

Concen: 0.643 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

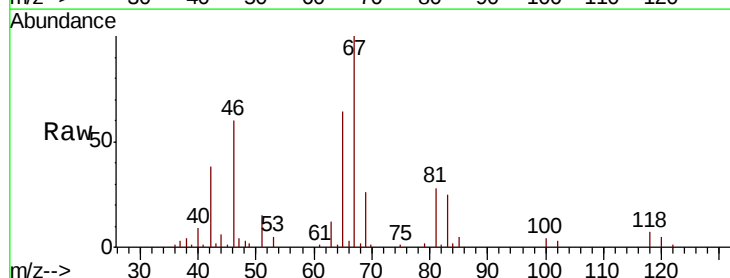
Tgt Ion: 83 Resp: 9218

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

98 0.5 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

6000

5000

4000

3000

2000

1000

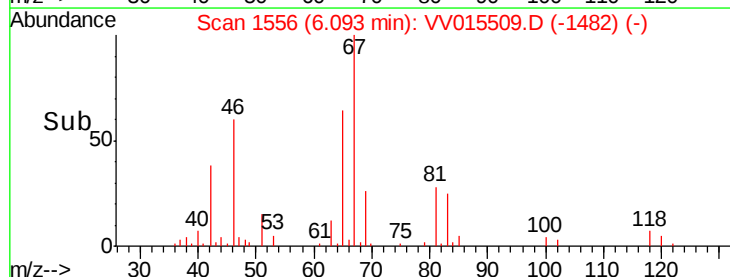
0

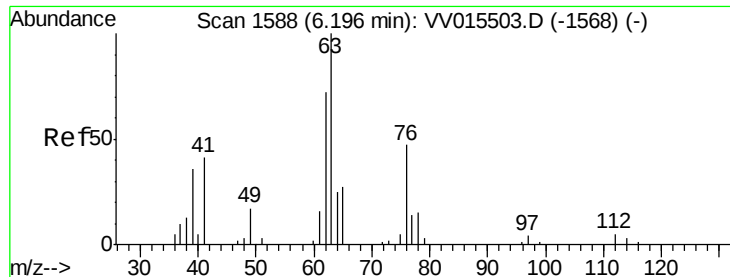
6.05

6.10

6.15

Time-->

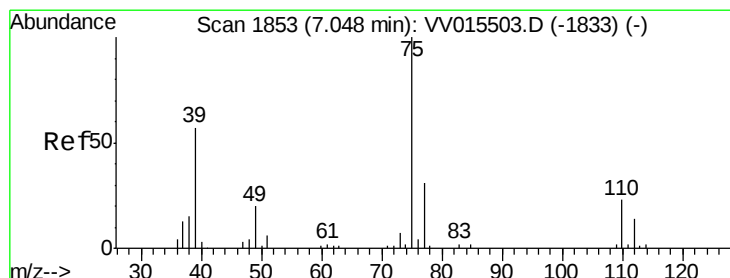
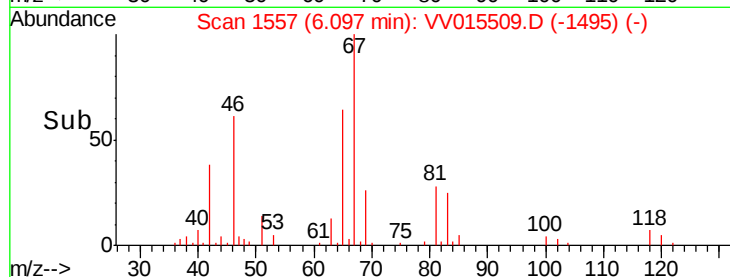
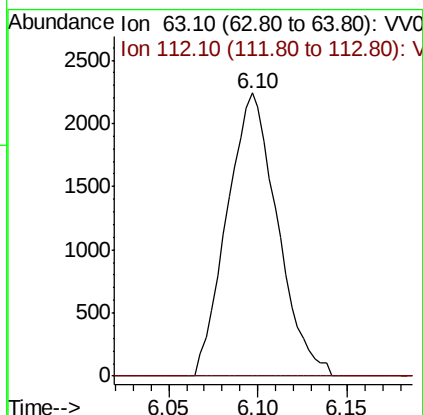
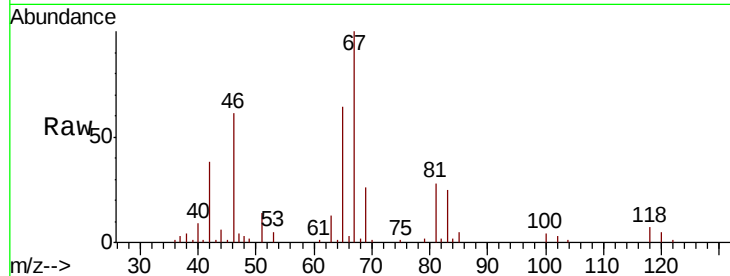




#37
 1,2-Dichloropropane
 Concen: 0.562 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015509.D
 Acq: 15 Apr 2020 15:12

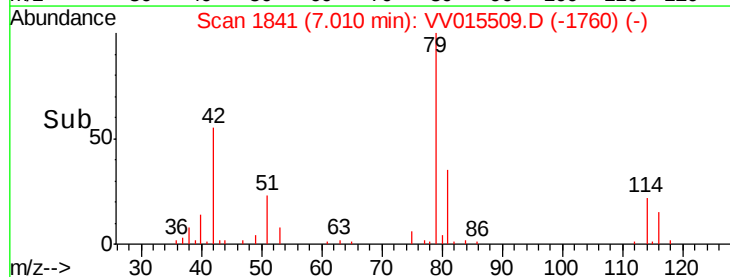
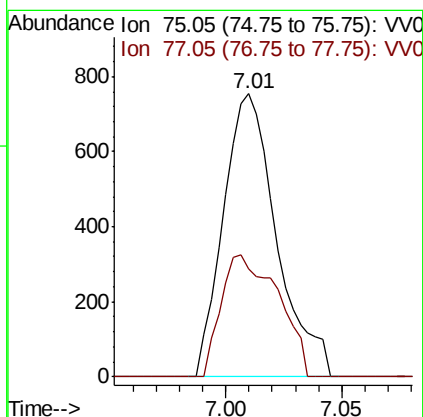
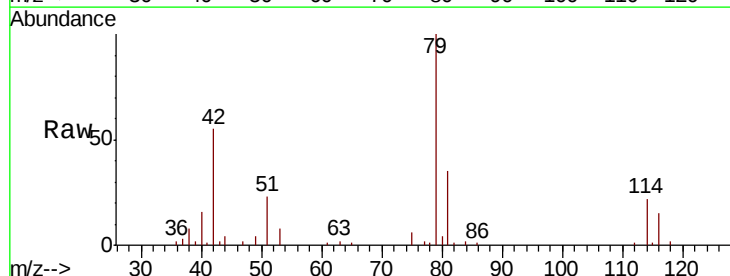
Instrument :
 MSVOA_V
 ClientSampleId :

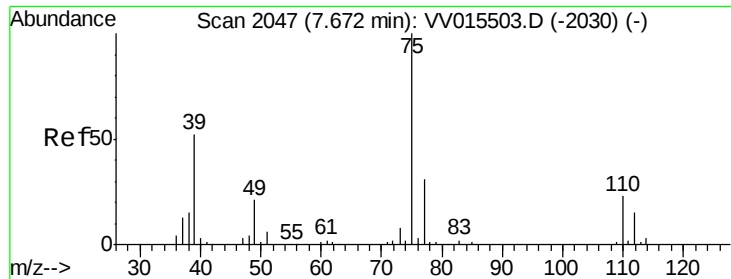
Tot Ion: 63 Resp: 4403
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015509.D
 Acq: 15 Apr 2020 15:12

Tgt Ion: 75 Resp: 1205
 Ion Ratio Lower Upper
 75 100
 77 38.2 23.0 42.6





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

Instrument :

MSVOA_V

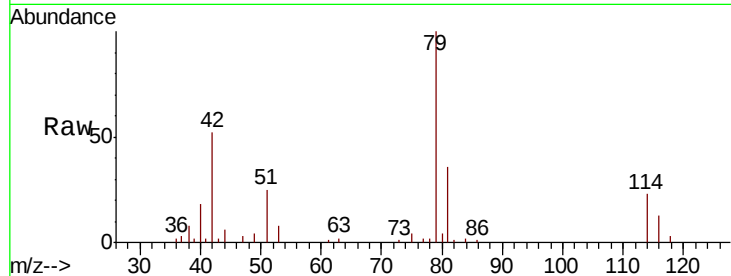
ClientSampleId :

Tot Ion: 75 Resp: 552

Ion Ratio Lower Upper

75 100

77 54.1 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VV015503.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015503.D (-2030) (-)

7.65

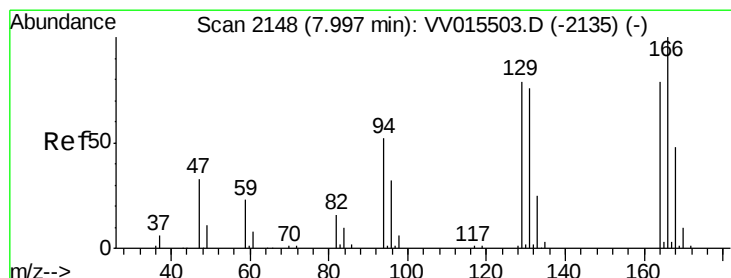
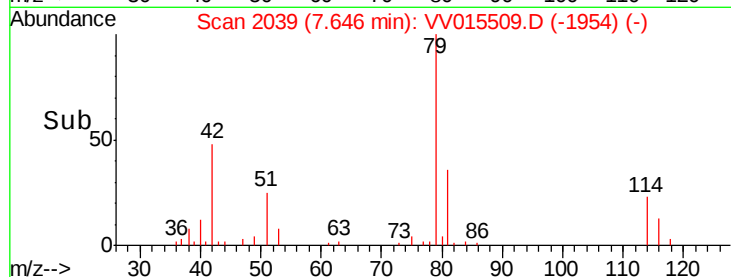
300

200

100

0

Time--> 7.60 7.62 7.64 7.66 7.68



#47

Tetrachloroethene

Concen: 3.434 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

Tgt Ion:164 Resp: 21650

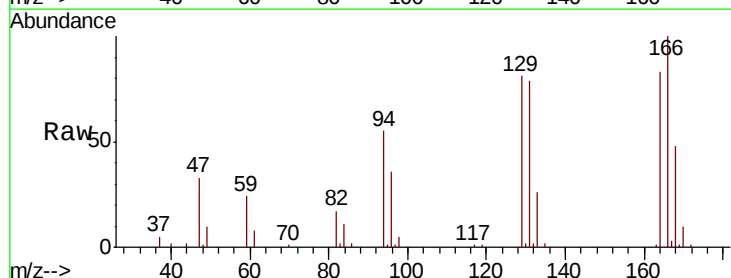
Ion Ratio Lower Upper

164 100

129 97.2 70.6 131.0

131 95.5 68.3 126.8

166 120.3 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): VV015503.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015503.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015503.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015503.D (-2135) (-)

8.00

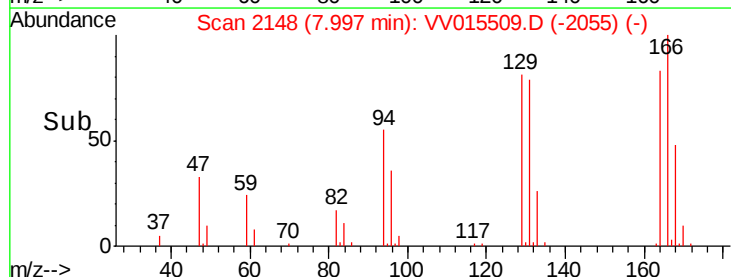
15000

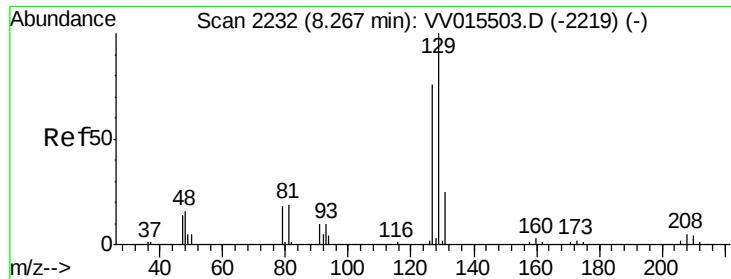
10000

5000

0

Time--> 7.95 8.00 8.05





#49

Dibromochloromethane

Concen: 3.335 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015509.D

Acq: 15 Apr 2020 15:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 21054

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

