

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009557.D
 Acq On : 08 Mar 2019 23:22
 Operator : SY/MD
 Sample : K1818-02
 Misc : 5.61G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0Q6

Quant Time: Mar 09 01:29:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141204	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	139209	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63713	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33226	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.20%
7) Chloroethane-d5	1.57	69	50744	20.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.56%
10) 1,1-Dichloroethene-d2	2.13	63	77562	17.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.16%
20) 2-Butanone-d5	3.94	46	34614	59.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.52%
24) Chloroform-d	4.40	84	92240	27.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.68%
26) 1,2-Dichloroethane-d4	5.08	65	59095	30.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.52%
29) Benzene-d6	5.10	84	182504	26.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.88%
33) 1,2-Dichloropropane-d6	6.12	67	59624	29.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.20%
37) Toluene-d8	7.36	98	175693	26.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.56%
38) trans-1,3-Dichloropropene-	7.67	79	24299	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.56%
39) 2-Hexanone-d5	8.14	63	29466	62.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62441	28.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	65962	28.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.44%

Target Compounds

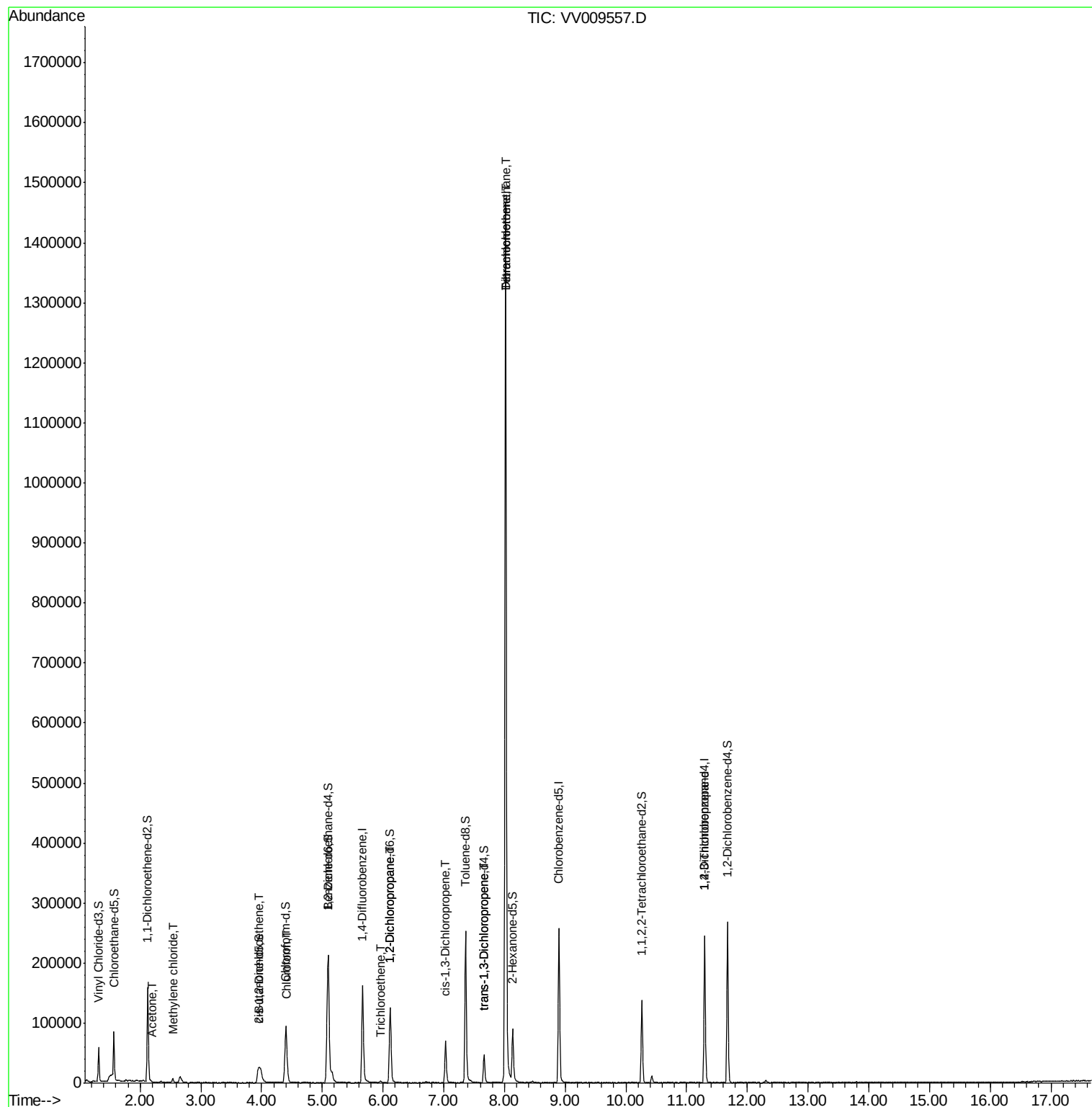
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.20	43	1163	1.975	ug/L	68
16) Methylene chloride	2.53	84	2697	1.455	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	1766	0.928	ug/L	81
25) Chloroform	4.42	83	4051	1.222	ug/L	89
35) Trichloroethene	5.96	95	1084	0.524	ug/L	83
40) 1,2-Dichloropropane	6.12	63	7099	3.828	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2190	0.761	ug/L #	69
45) trans-1,3-Dichloropropene	7.67	75	1330	0.529	ug/L #	79
47) Tetrachloroethene	8.02	164	300279	191.512	ug/L	94
50) Dibromochloromethane	8.02	129	302653	162.237	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	8737	5.571	ug/L #	87

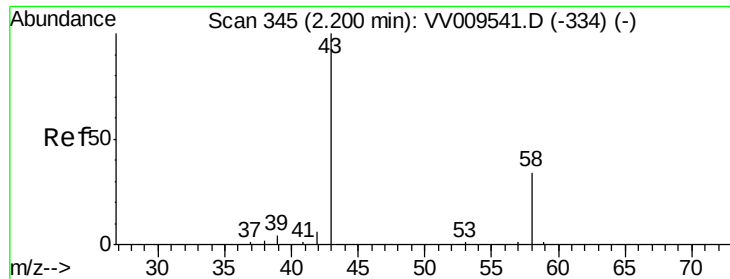
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.975 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009557.D

Acq: 08 Mar 2019 23:22

Instrument :

MSVOA_V

ClientSampleId :

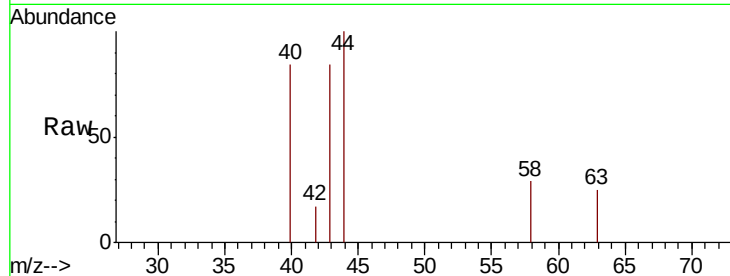
BF0Q6

Tgt Ion: 43 Resp: 1163

Ion Ratio Lower Upper

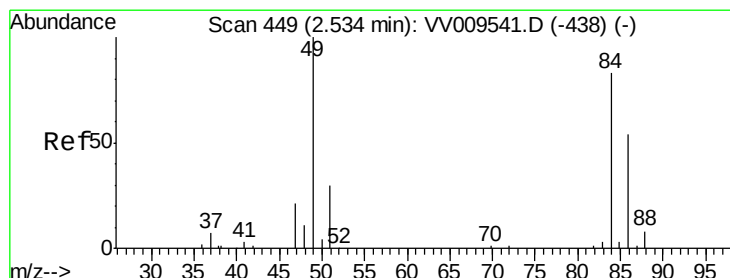
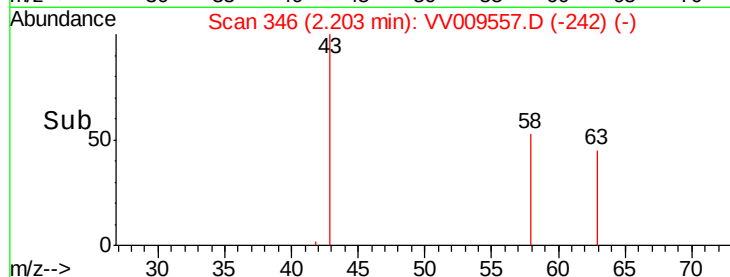
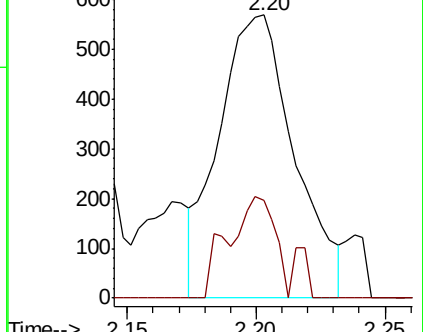
43 100

58 16.1 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009541.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009541.D (-334) (-)



#16

Methylene chloride

Concen: 1.455 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009557.D

Acq: 08 Mar 2019 23:22

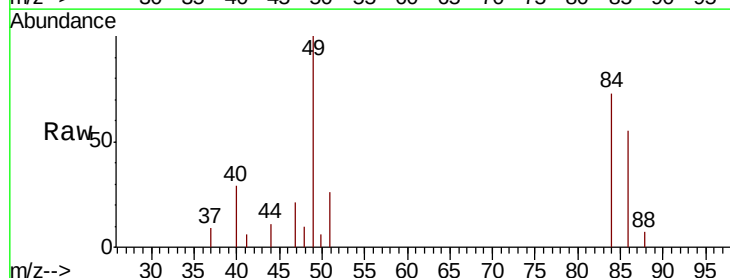
Tgt Ion: 84 Resp: 2697

Ion Ratio Lower Upper

84 100

49 136.4 84.6 157.0

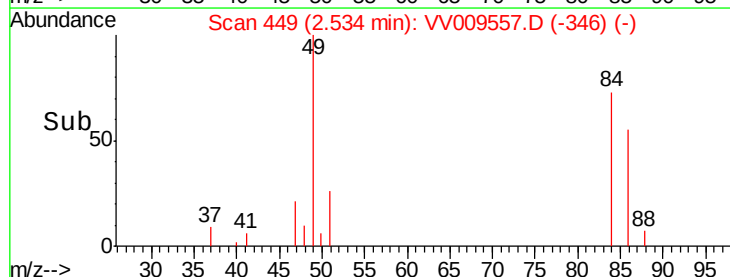
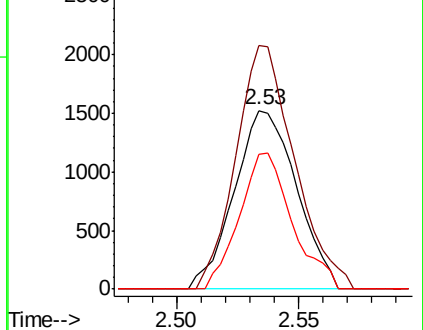
86 75.2 46.1 85.7

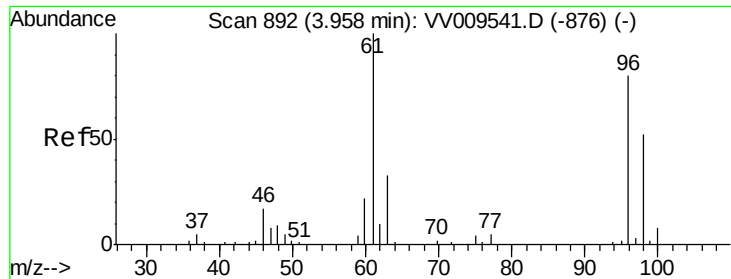


Abundance Ion 84.00 (83.70 to 84.70): VV009541.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009541.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009541.D (-438) (-)



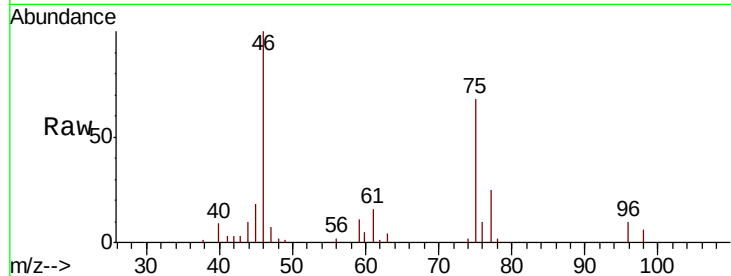


#22

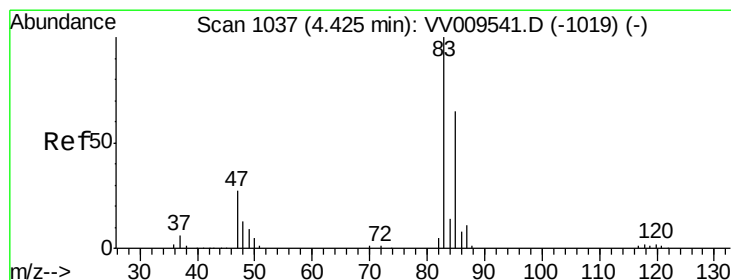
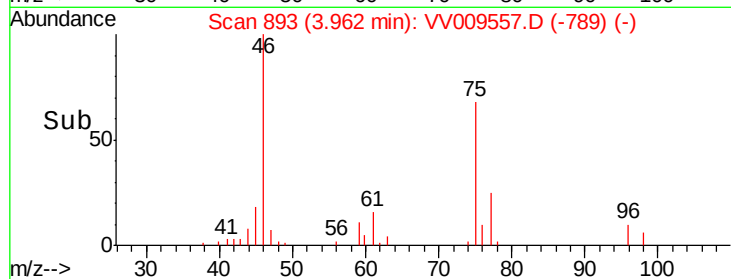
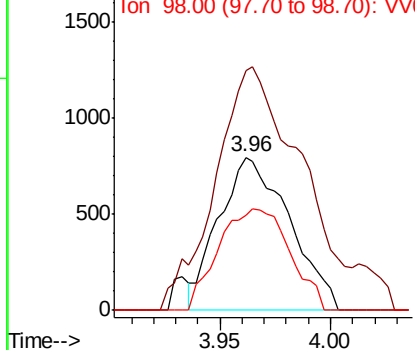
cis-1,2-Dichloroethene
 Concen: 0.928 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009557.D
 Acq: 08 Mar 2019 23:22

Instrument :
 MSVOA_V
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 BF0Q6

Tgt Ion: 96 Resp: 1766
 Ion Ratio Lower Upper
 96 100
 61 156.5 87.2 161.9
 98 62.1 44.6 82.8



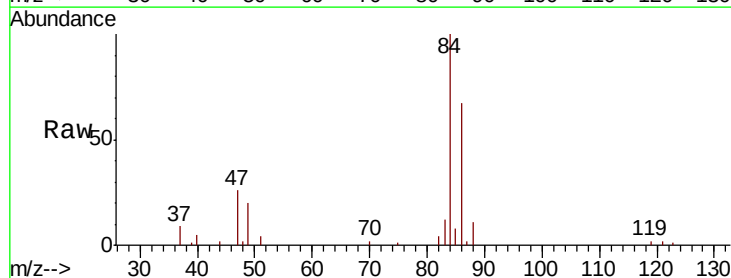
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



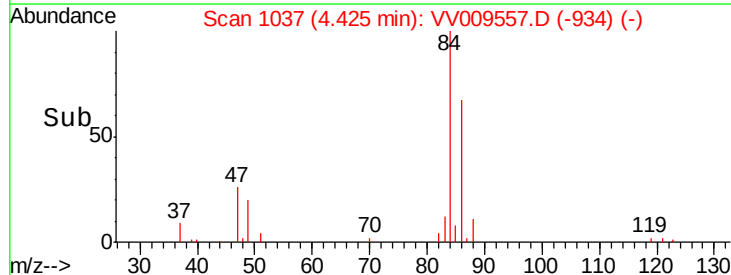
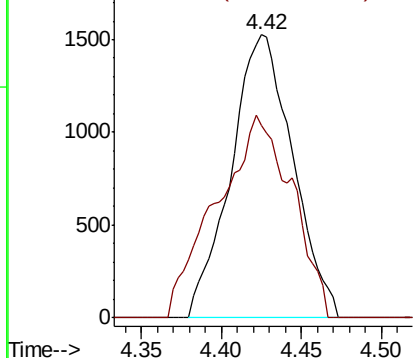
#25

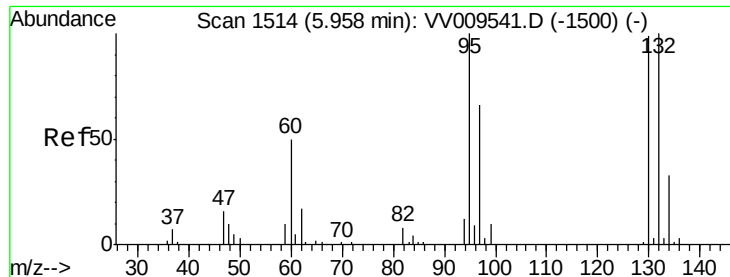
Chloroform
 Concen: 1.222 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV009557.D
 Acq: 08 Mar 2019 23:22

Tgt Ion: 83 Resp: 4051
 Ion Ratio Lower Upper
 83 100
 85 73.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#35

Trichloroethene

Concen: 0.524 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009557.D

Acq: 08 Mar 2019 23:22

Instrument :

MSVOA_V

ClientSampleId :

BF0Q6

Tgt Ion: 95 Resp: 1084

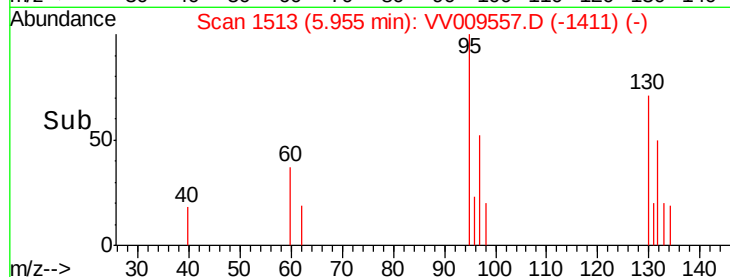
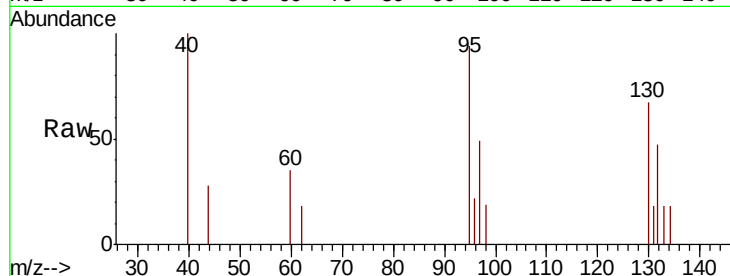
Ion Ratio Lower Upper

95 100

97 52.6 44.3 82.3

132 71.5 64.4 119.6

130 83.9 69.4 128.8



Abundance Ion 95.00 (94.70 to 95.70): VV009541.D (-1500) (-)

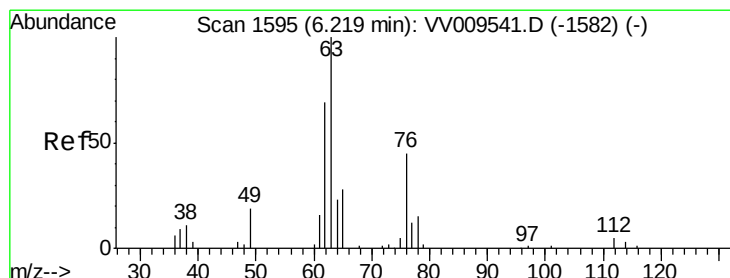
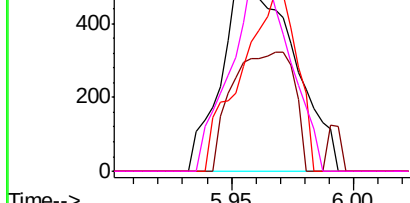
Ion 97.00 (96.70 to 97.70): VV009541.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009541.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009541.D (-1500) (-)

5.96

6.00



#40

1,2-Dichloropropane

Concen: 3.828 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009557.D

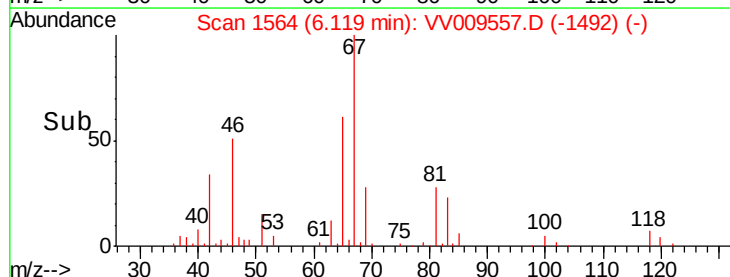
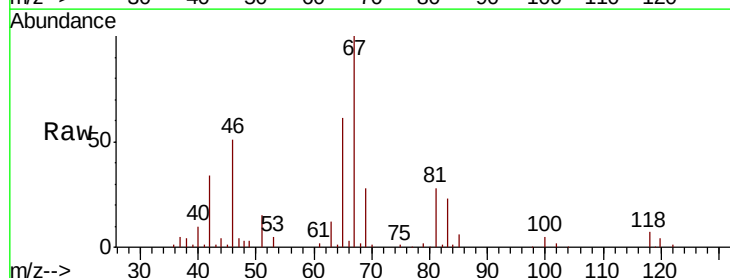
Acq: 08 Mar 2019 23:22

Tgt Ion: 63 Resp: 7099

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

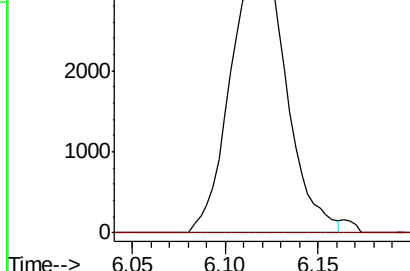


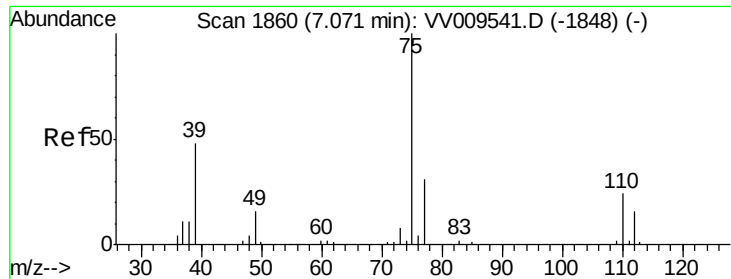
Abundance Ion 63.00 (62.70 to 63.70): VV009541.D (-1582) (-)

Ion 112.00 (111.70 to 112.70): VV009541.D (-1582) (-)

6.12

6.15

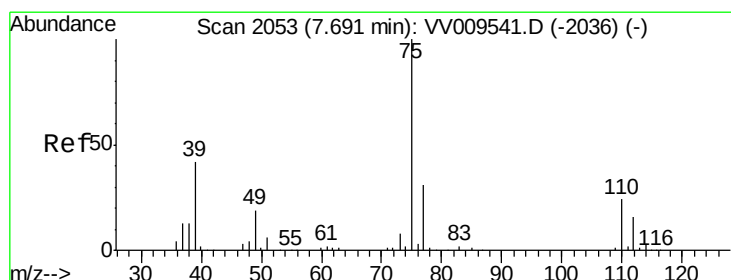
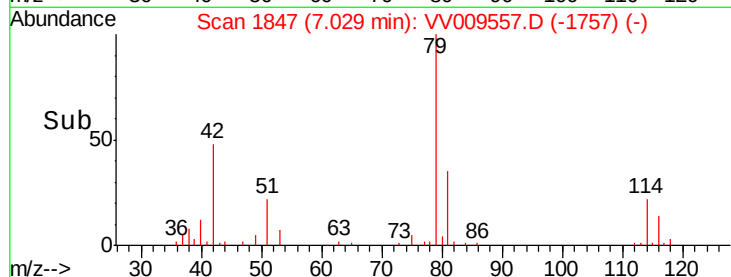
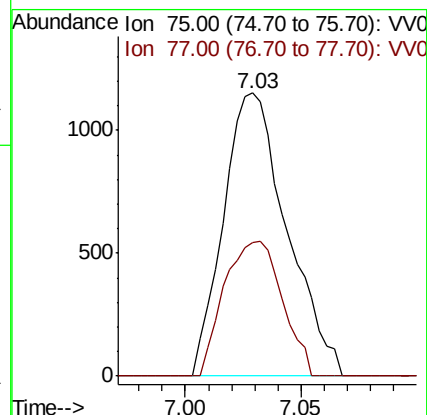
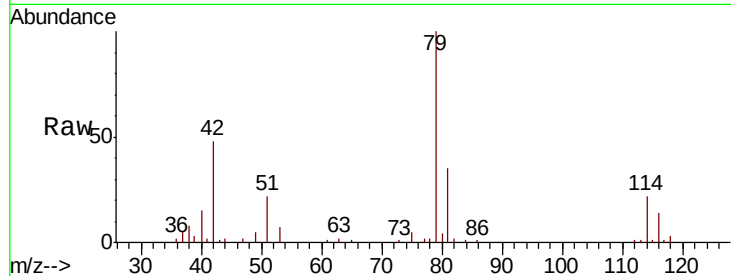




#42
 cis-1,3-Dichloropropene
 Concen: 0.761 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009557.D
 Acq: 08 Mar 2019 23:22

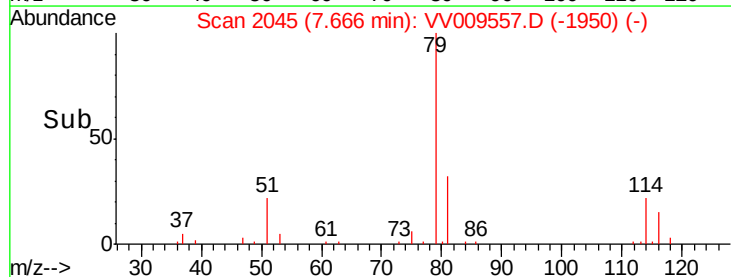
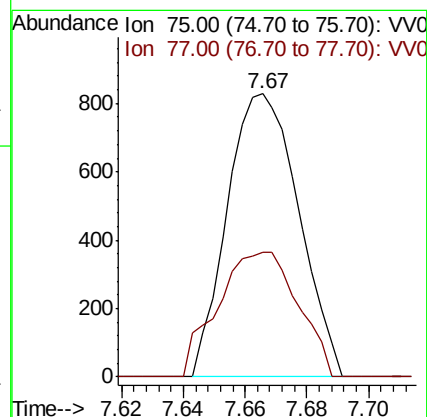
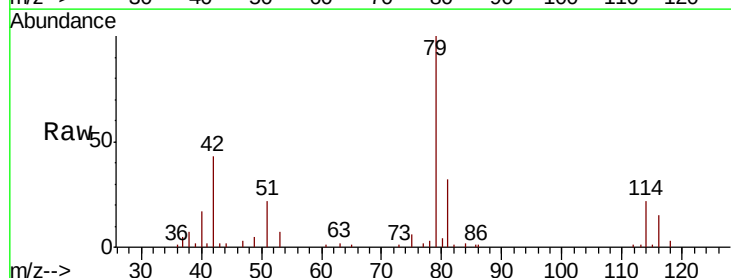
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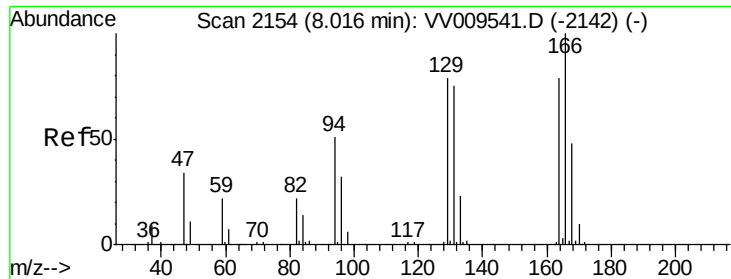
Tgt Ion: 75 Resp: 2190
 Ion Ratio Lower Upper
 75 100
 77 47.3 21.4 39.8#



#45
 trans-1,3-Dichloropropene
 Concen: 0.529 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV009557.D
 Acq: 08 Mar 2019 23:22

Tgt Ion: 75 Resp: 1330
 Ion Ratio Lower Upper
 75 100
 77 44.0 22.5 41.7#

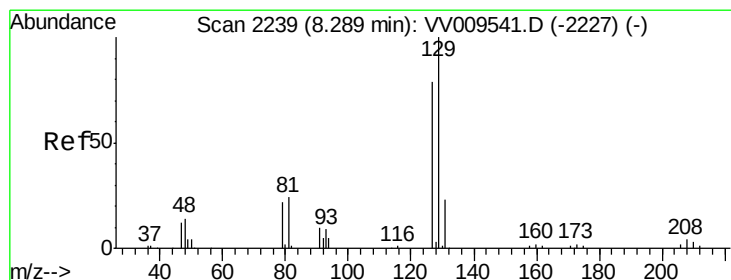
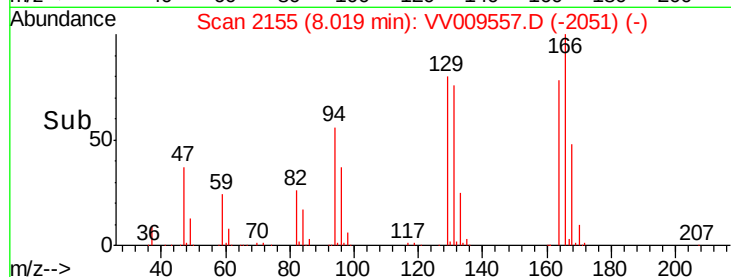
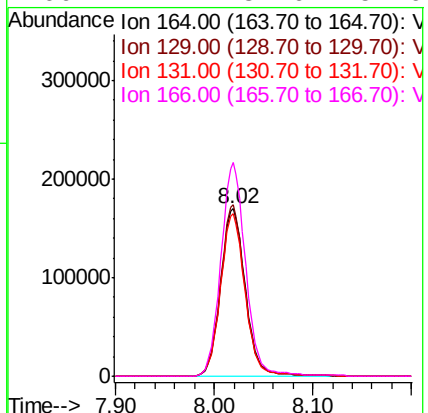
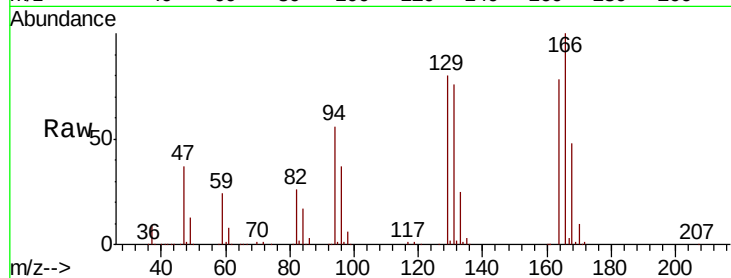




#47
Tetrachloroethene
 Concen: 191.512 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009557.D
 Acq: 08 Mar 2019 23:22

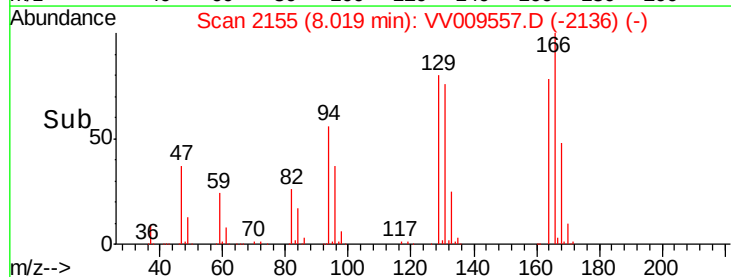
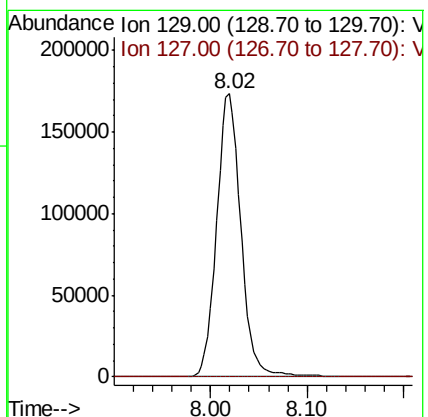
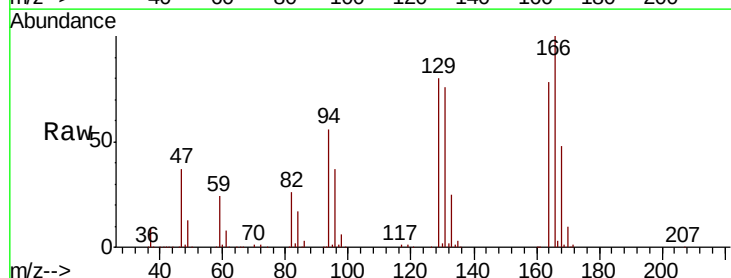
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0Q6

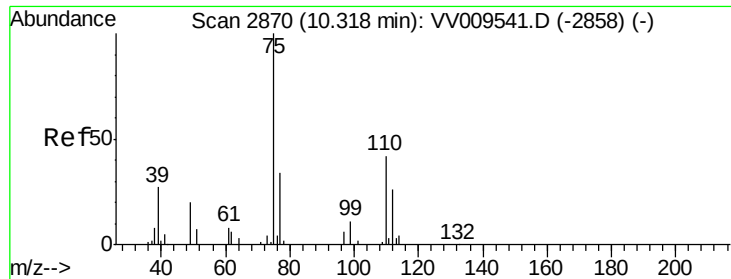
Tgt Ion:	164	Resp:	300279
Ion	Ratio	Lower	Upper
164	100		
129	102.3	67.7	125.7
131	97.3	67.5	125.3
166	127.7	81.6	151.6



#50
Dibromochloromethane
 Concen: 162.237 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV009557.D
 Acq: 08 Mar 2019 23:22

Tgt Ion:	129	Resp:	302653
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.7	99.7#





#59

1,2,3-Trichloropropane

Concen: 5.571 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009557.D

Acq: 08 Mar 2019 23:22

Instrument :

MSVOA_V

ClientSampleId :

BF0Q6

Tgt Ion: 75 Resp: 8737

Ion Ratio Lower Upper

75 100

77 39.4 25.9 38.9#

