

Data File : VV009538.D
Acq On : 07 Mar 2019 19:12
Operator : SY/MD
Sample : K1789-10
Misc : 5.83G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P6

Quant Time: Mar 08 03:07:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155338	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146040	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64682	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37637	20.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.52%
7) Chloroethane-d5	1.57	69	45144	16.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.76%
10) 1,1-Dichloroethene-d2	2.13	63	88713	18.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.92%
20) 2-Butanone-d5	3.94	46	28100	44.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.20%
24) Chloroform-d	4.40	84	98336	26.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.28%
26) 1,2-Dichloroethane-d4	5.08	65	58251	27.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.68%
29) Benzene-d6	5.10	84	197299	27.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.12%
33) 1,2-Dichloropropane-d6	6.12	67	60606	28.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.56%
37) Toluene-d8	7.36	98	184285	26.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.52%
38) trans-1,3-Dichloropropene-	7.66	79	24521	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.84%
39) 2-Hexanone-d5	8.14	63	24041	48.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55599	24.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	64880	27.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.92%

Target Compounds

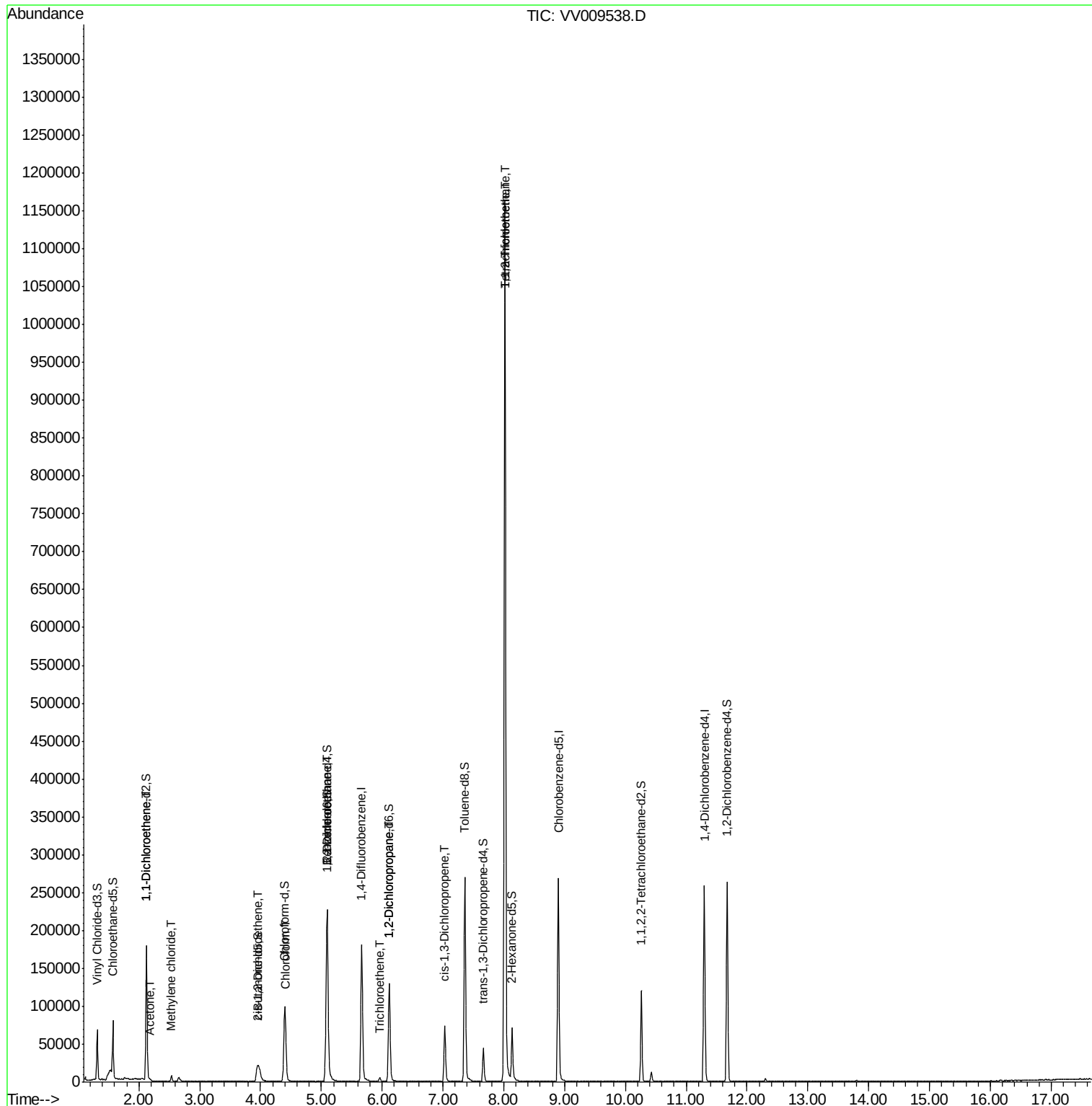
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1070	0.518 ug/L #	1
13) Acetone	2.19	43	954	1.473 ug/L	87
16) Methylene chloride	2.54	84	3107	1.524 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	2785	1.330 ug/L	90
25) Chloroform	4.42	83	1976	0.542 ug/L #	30
27) 1,2-Dichloroethane	5.10	62	1170	0.462 ug/L #	77
35) Trichloroethene	5.96	95	1700	0.784 ug/L	97
40) 1,2-Dichloropropane	6.12	63	7099	3.649 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2156	0.714 ug/L #	66
46) 1,1,2-Trichloroethane	8.02	97	2445	1.513 ug/L #	3
47) Tetrachloroethene	8.02	164	236584	143.831 ug/L	96

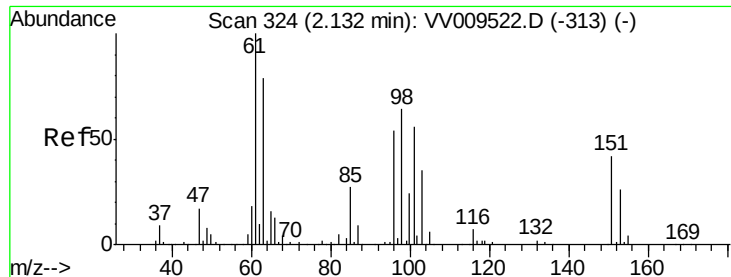
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

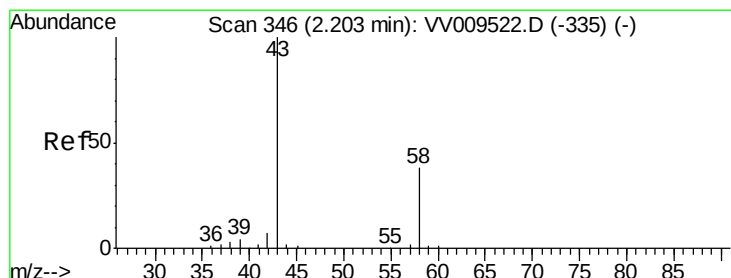
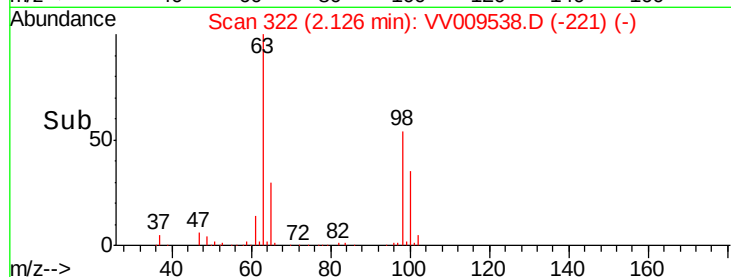
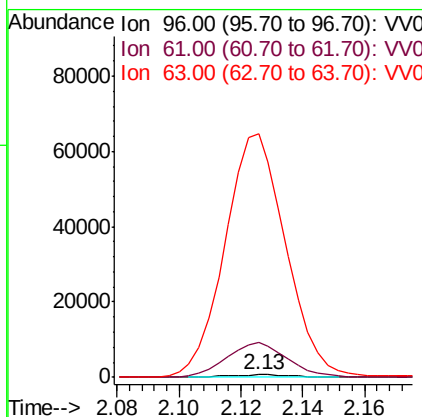
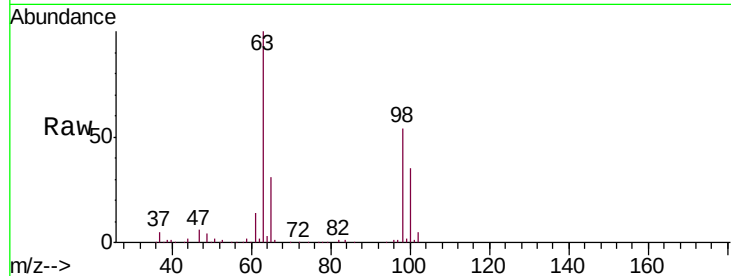




#12
 1,1-Dichloroethene
 Concen: 0.518 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV009538.D
 Acq: 07 Mar 2019 19:12

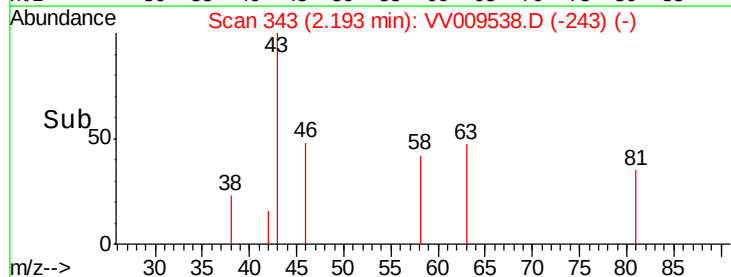
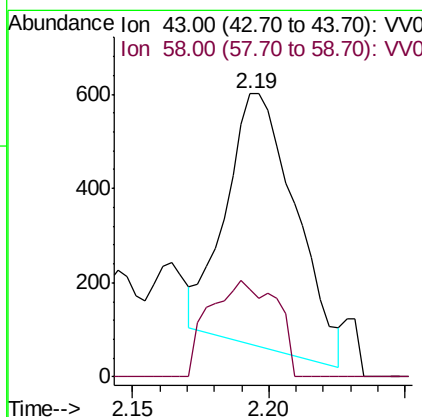
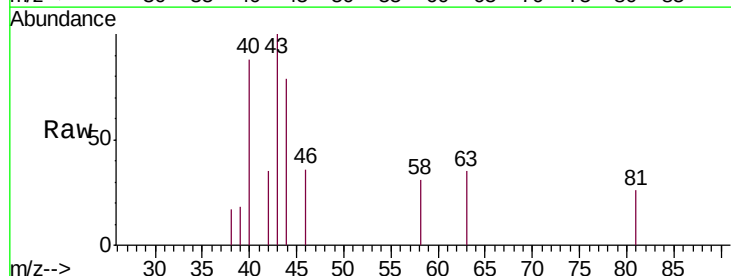
Instrument :
 MSVOA_V
 ClientSampled :
 BF0P6

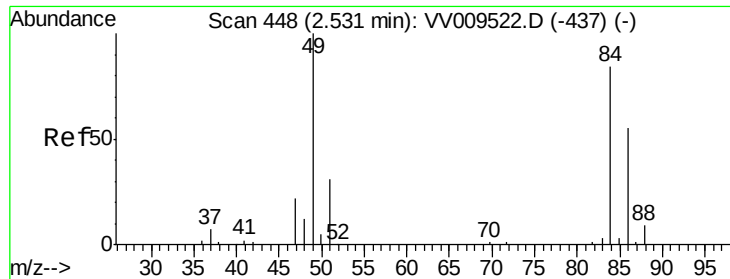
Tgt Ion: 96 Resp: 1070
 Ion Ratio Lower Upper
 96 100
 61 1400.2 136.9 254.3#
 63 9901.4 108.7 201.9#



#13
 Acetone
 Concen: 1.473 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VV009538.D
 Acq: 07 Mar 2019 19:12

Tgt Ion: 43 Resp: 954
 Ion Ratio Lower Upper
 43 100
 58 26.7 0.0 68.8

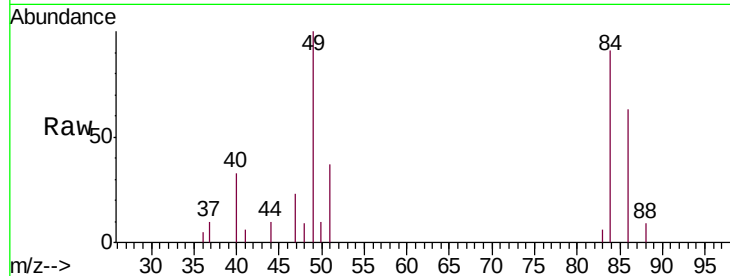




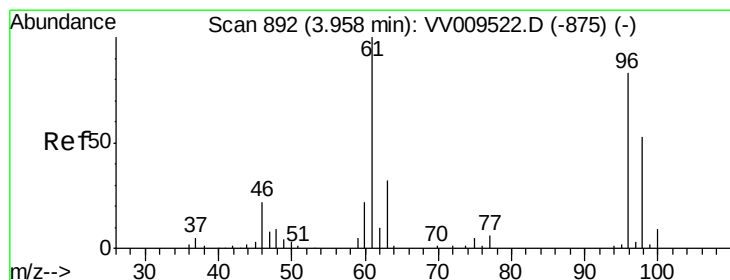
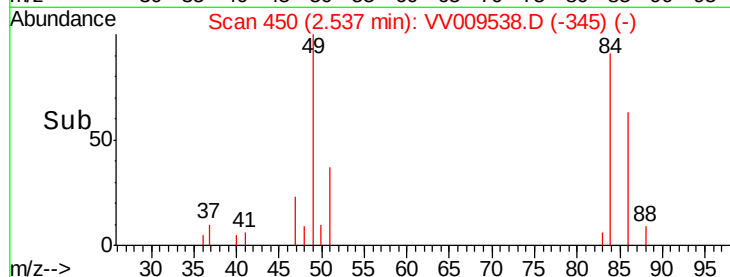
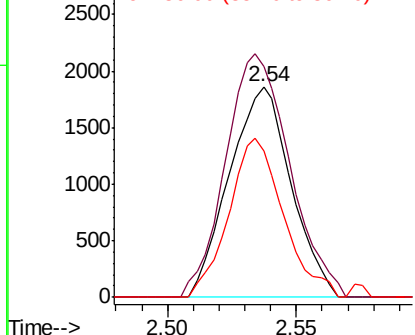
#16
Methylene chloride
Concen: 1.524 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV009538.D
Acq: 07 Mar 2019 19:12

Instrument :
MSVOA_V
ClientSampleId :
BF0P6

Tgt Ion: 84 Resp: 3107
Ion Ratio Lower Upper
84 100
49 109.7 84.6 157.0
86 69.1 46.1 85.7

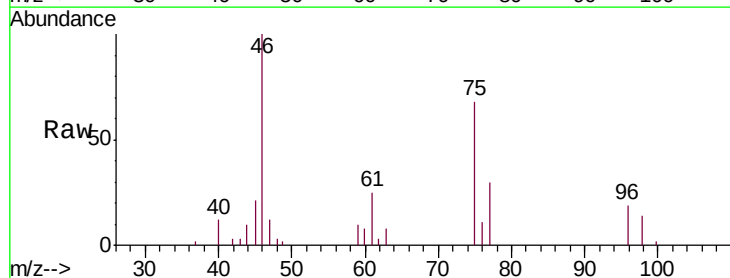


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

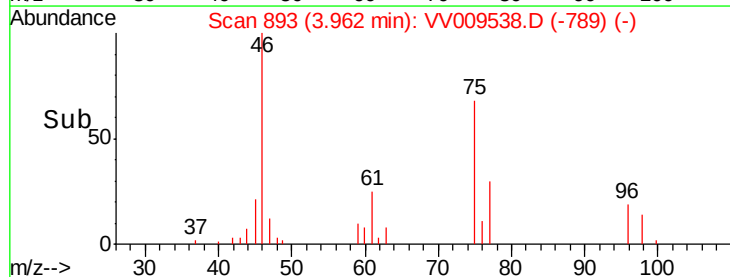
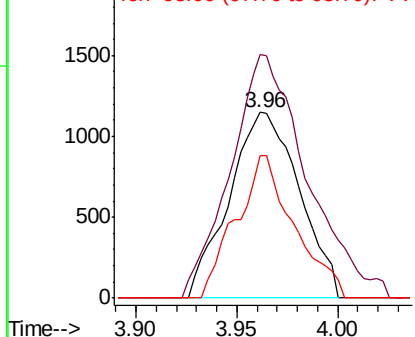


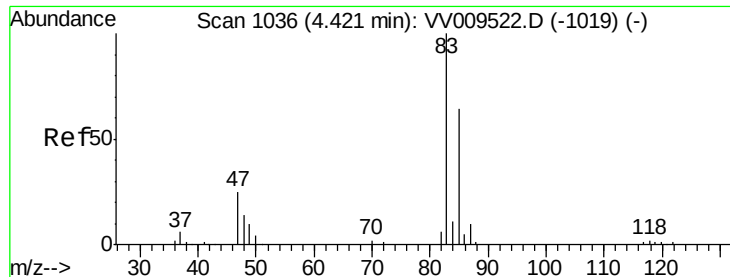
#22
cis-1,2-Dichloroethene
Concen: 1.330 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009538.D
Acq: 07 Mar 2019 19:12

Tgt Ion: 96 Resp: 2785
Ion Ratio Lower Upper
96 100
61 131.3 87.2 161.9
98 76.9 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

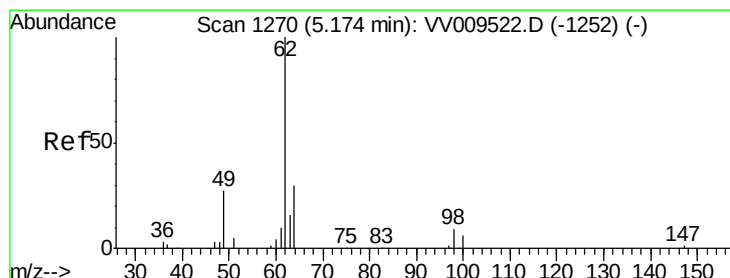
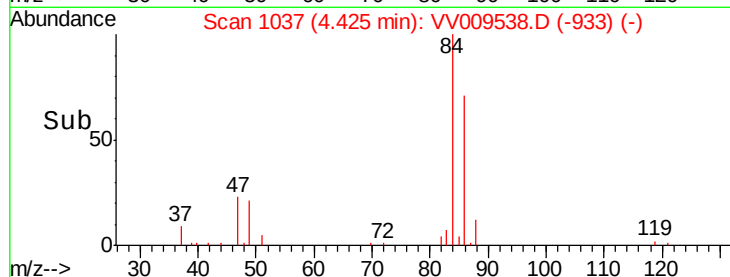
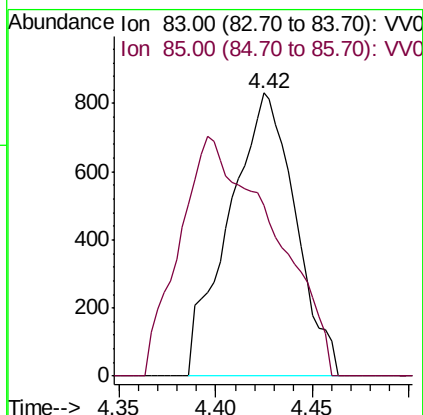
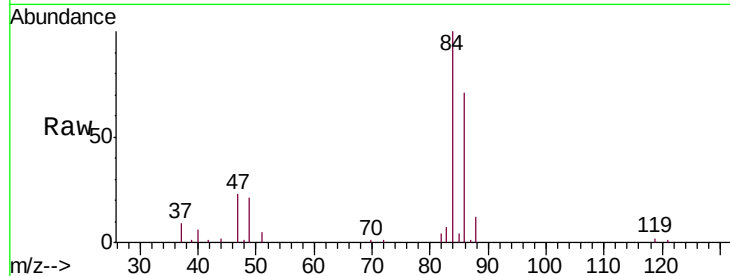




#25
Chloroform
Concen: 0.542 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009538.D
Acq: 07 Mar 2019 19:12

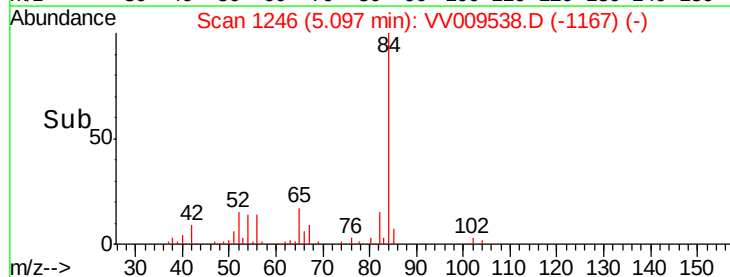
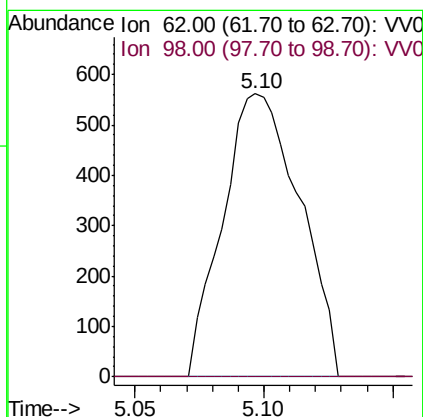
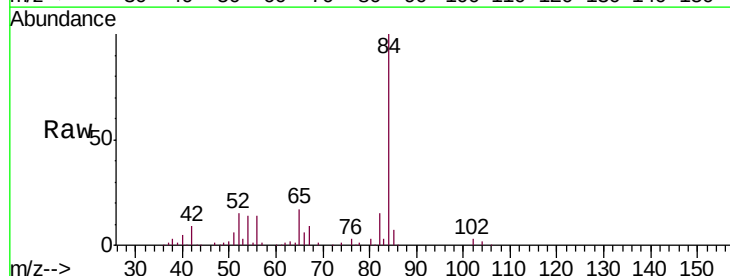
Instrument :
MSVOA_V
ClientSampleId :
BF0P6

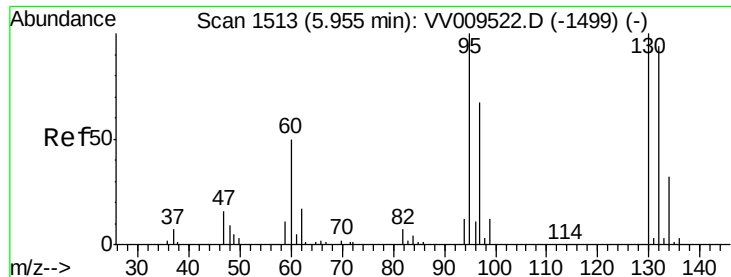
Tgt Ion: 83 Resp: 1976
Ion Ratio Lower Upper
83 100
85 119.9 45.4 84.2#



#27
1,2-Dichloroethane
Concen: 0.462 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009538.D
Acq: 07 Mar 2019 19:12

Tgt Ion: 62 Resp: 1170
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

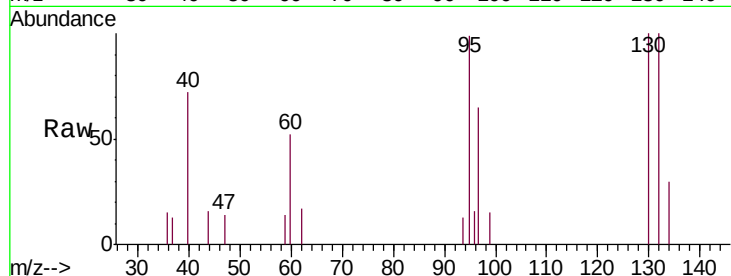




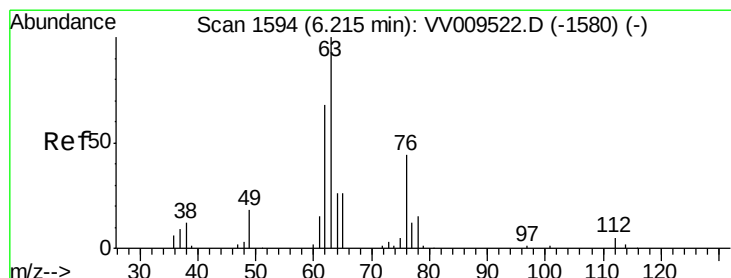
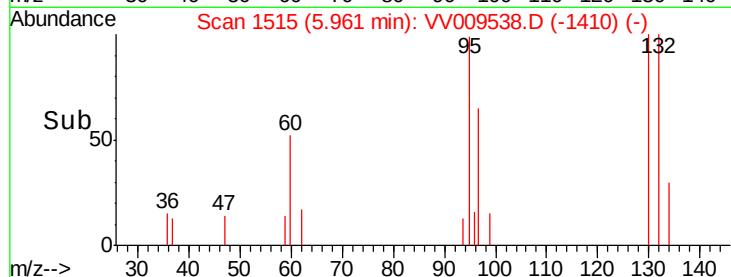
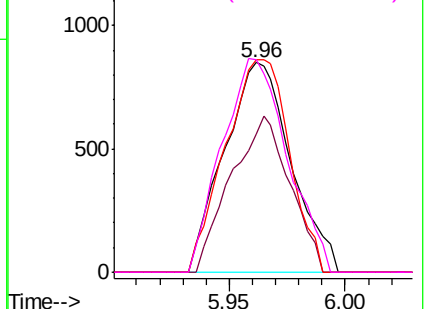
#35
 Trichloroethene
 Concen: 0.784 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV009538.D
 Acq: 07 Mar 2019 19:12

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P6

Tgt Ion:	95	Resp:	1700
Ion	Ratio	Lower	Upper
95	100		
97	66.0	44.3	82.3
132	97.1	64.4	119.6
130	99.9	69.4	128.8

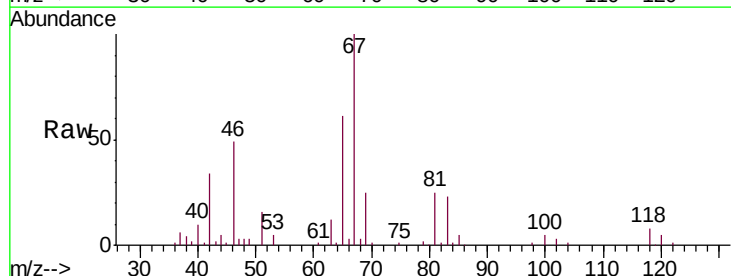


Abundance Ion 95.00 (94.70 to 95.70): VV009522.D (-1499) (-)
 Ion 97.00 (96.70 to 97.70): VV009522.D (-1499) (-)
 Ion 132.00 (131.70 to 132.70): VV009522.D (-1499) (-)
 Ion 130.00 (129.70 to 130.70): VV009522.D (-1499) (-)

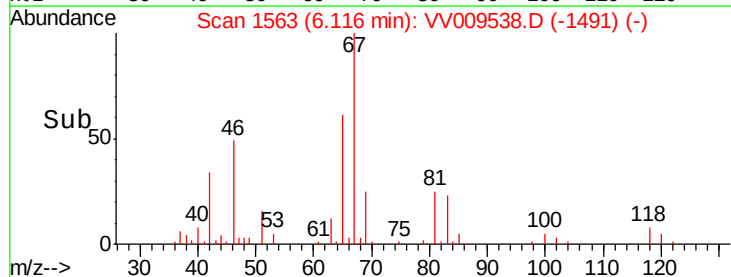
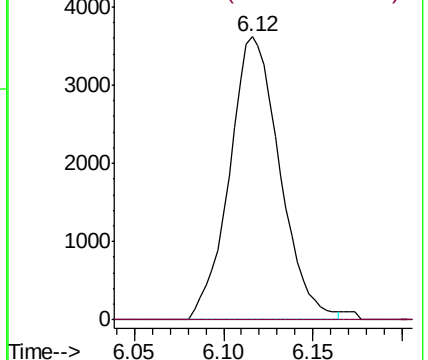


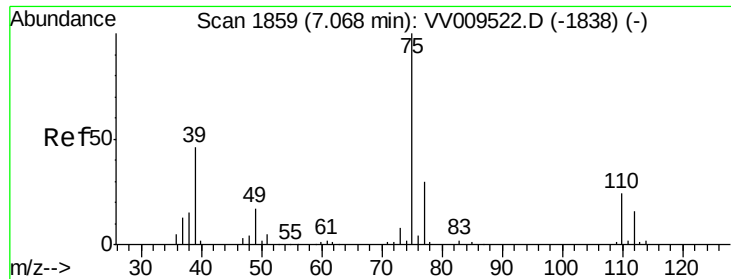
#40
 1,2-Dichloropropane
 Concen: 3.649 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009538.D
 Acq: 07 Mar 2019 19:12

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): VV009522.D (-1580) (-)
 Ion 112.00 (111.70 to 112.70): VV009522.D (-1580) (-)





#42

cis-1,3-Dichloropropene

Concen: 0.714 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009538.D

Acq: 07 Mar 2019 19:12

Instrument :

MSVOA_V

ClientSampleId :

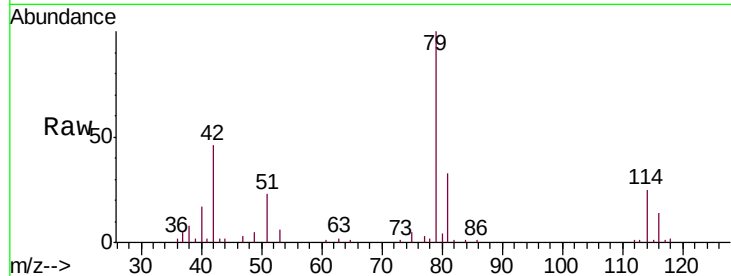
BF0P6

Tgt Ion: 75 Resp: 2156

Ion Ratio Lower Upper

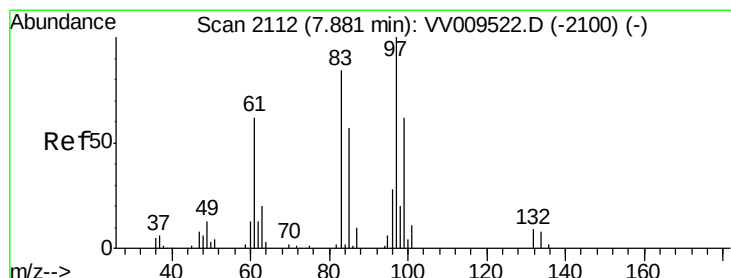
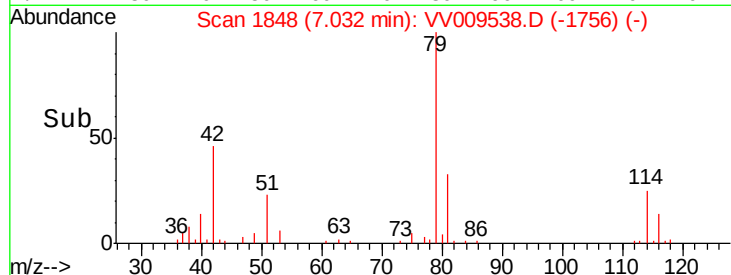
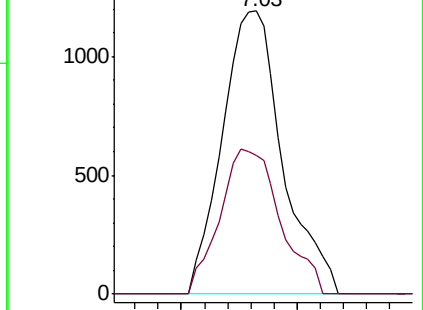
75 100

77 49.1 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV009522.D (-1838) (-)

Ion 77.00 (76.70 to 77.70): VV009522.D (-1838) (-)



#46

1,1,2-Trichloroethane

Concen: 1.513 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV009538.D

Acq: 07 Mar 2019 19:12

Tgt Ion: 97 Resp: 2445

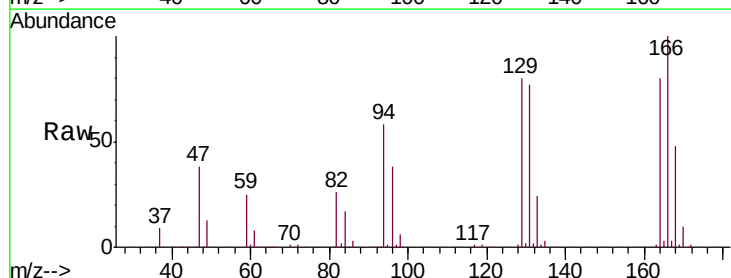
Ion Ratio Lower Upper

97 100

83 248.3 63.8 118.6#

85 39.1 39.5 73.4#

99 13.4 45.9 85.3#

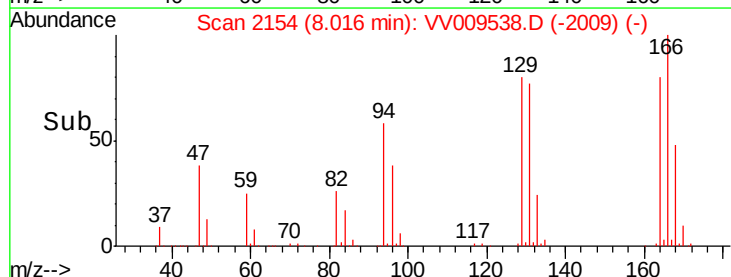
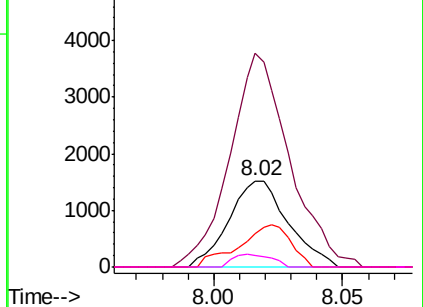


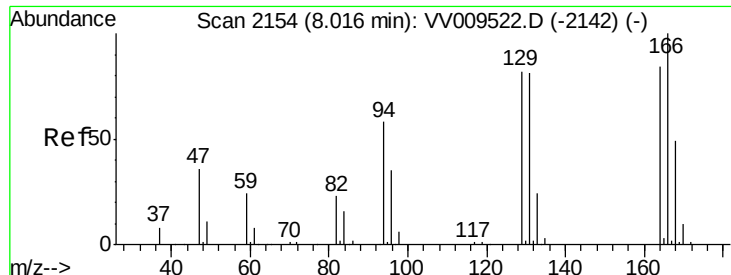
Abundance Ion 97.00 (96.70 to 97.70): VV009522.D (-2100) (-)

Ion 83.00 (82.70 to 83.70): VV009522.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV009522.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV009522.D (-2100) (-)





#47

Tetrachloroethene

Concen: 143.831 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009538.D

Acq: 07 Mar 2019 19:12

Instrument :

MSVOA_V

ClientSampleId :

BF0P6

Tgt Ion:164 Resp: 236584

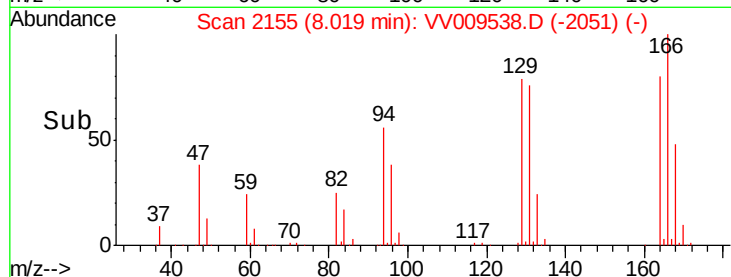
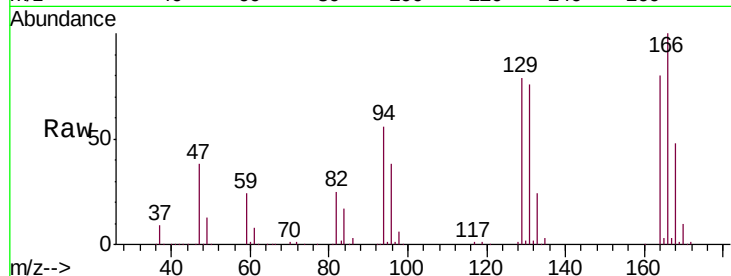
Ion Ratio Lower Upper

164 100

129 98.8 67.7 125.7

131 95.1 67.5 125.3

166 124.9 81.6 151.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

