

Data File : VV009527.D
Acq On : 07 Mar 2019 14:18
Operator : SY/MD
Sample : K1789-09
Misc : 5.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P5

Quant Time: Mar 08 03:05:09 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	5.67	114	172822	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	166794	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74651	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39689	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
7) Chloroethane-d5	1.58	69	69258	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.08%
10) 1,1-Dichloroethene-d2	2.13	63	84541	15.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.48%
20) 2-Butanone-d5	3.95	46	21995	31.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.06%
24) Chloroform-d	4.40	84	91115	22.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.52%
26) 1,2-Dichloroethane-d4	5.08	65	51217	21.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.48%
29) Benzene-d6	5.10	84	184403	22.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.28%
33) 1,2-Dichloropropane-d6	6.12	67	56546	23.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.80%
37) Toluene-d8	7.36	98	179203	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.00%
38) trans-1,3-Dichloropropene-	7.67	79	23296	19.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.88%
39) 2-Hexanone-d5	8.14	63	17854	31.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47639	18.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	61287	22.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.96%

Target Compounds

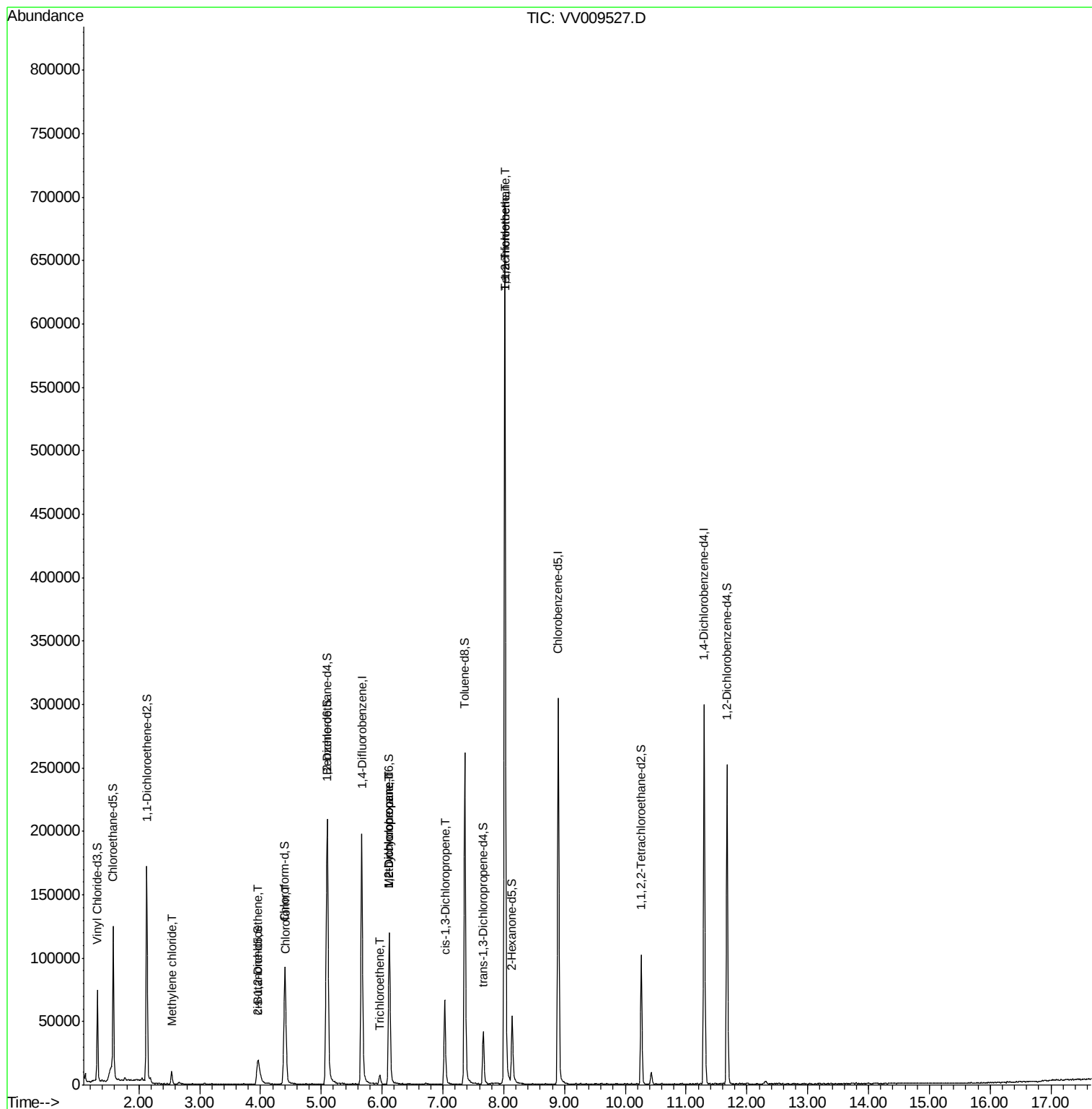
					Qvalue
16) Methylene chloride	2.54	84	4075	1.797 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	4177	1.793 ug/L	93
25) Chloroform	4.42	83	2884	0.711 ug/L #	68
35) Trichloroethene	5.96	95	2626	1.060 ug/L	94
36) Methylcyclohexane	6.12	83	13956	3.459 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	6858	3.086 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2097	0.608 ug/L #	70
46) 1,1,2-Trichloroethane	8.02	97	1479	0.801 ug/L #	6
47) Tetrachloroethene	8.02	164	142381	75.790 ug/L	95

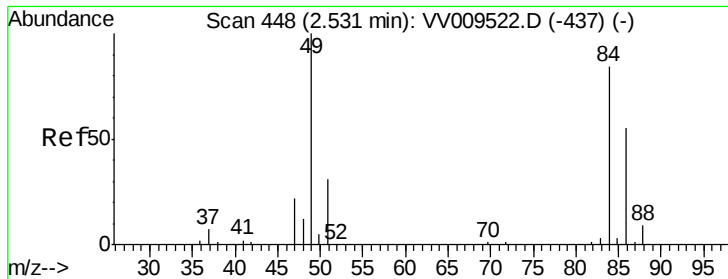
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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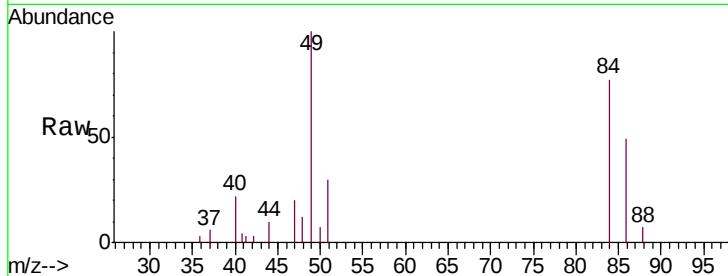




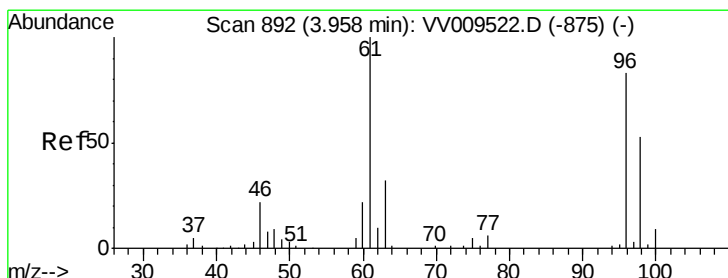
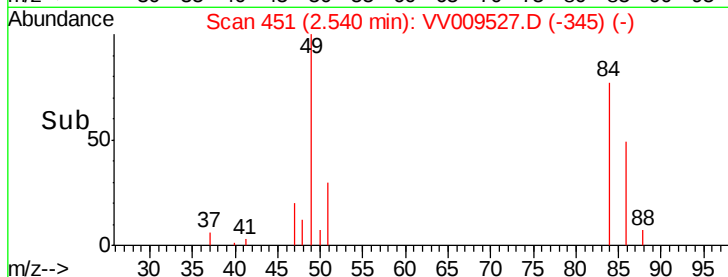
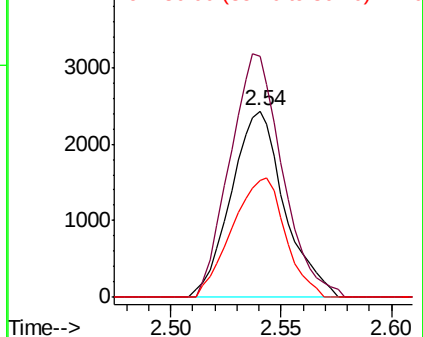
#16
Methylene chloride
Concen: 1.797 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
BF0P5

Tgt Ion: 84 Resp: 4075
Ion Ratio Lower Upper
84 100
49 129.4 84.6 157.0
86 62.9 46.1 85.7

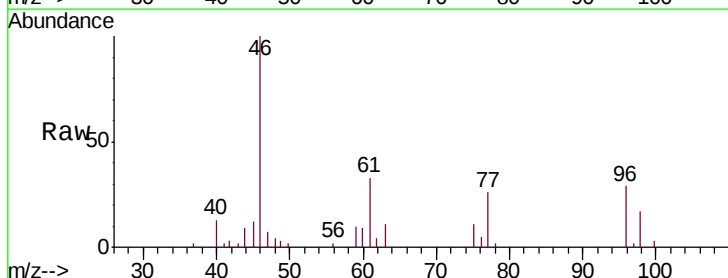


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

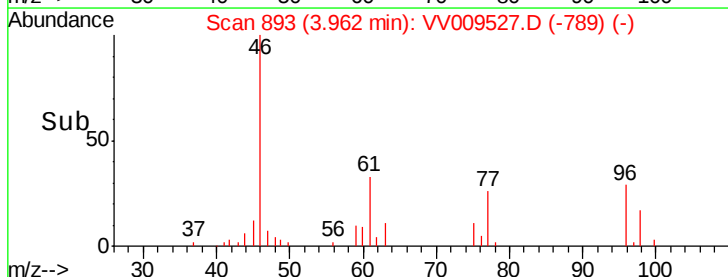
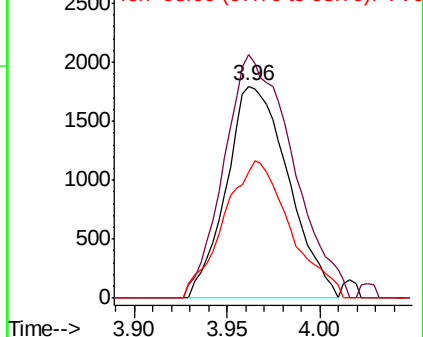


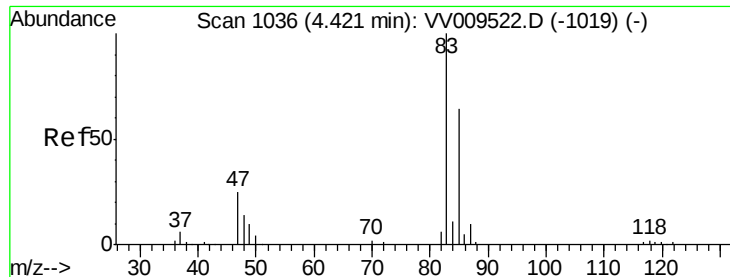
#22
cis-1,2-Dichloroethene
Concen: 1.793 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

Tgt Ion: 96 Resp: 4177
Ion Ratio Lower Upper
96 100
61 114.8 87.2 161.9
98 59.6 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

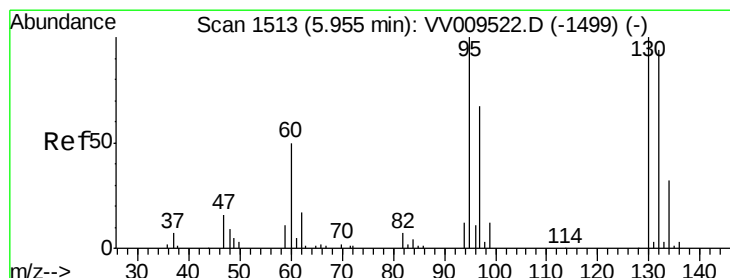
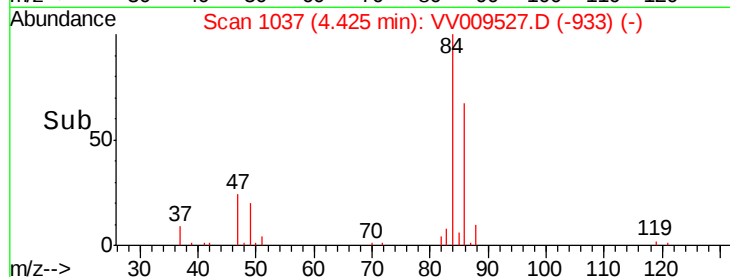
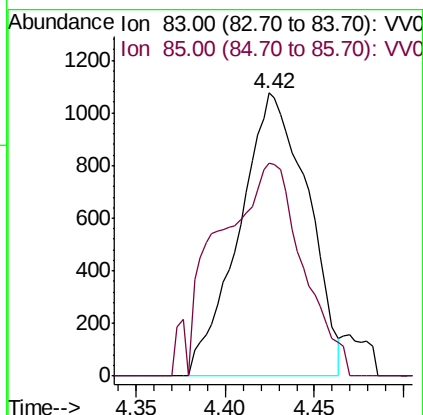
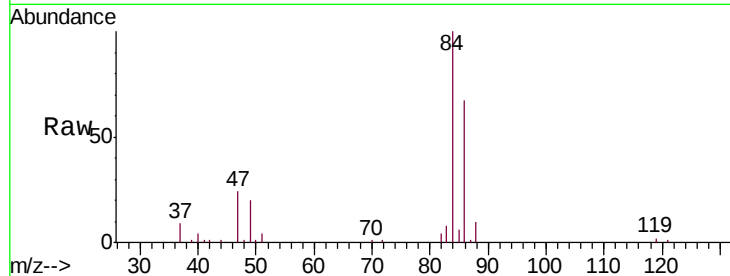




#25
Chloroform
Concen: 0.711 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

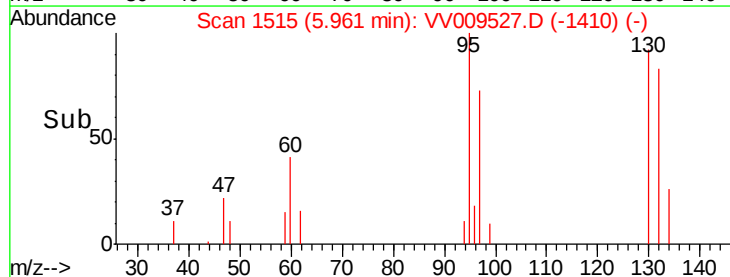
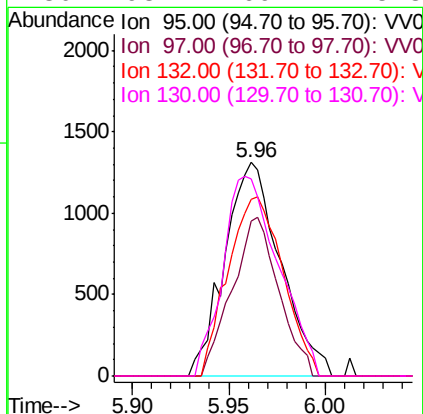
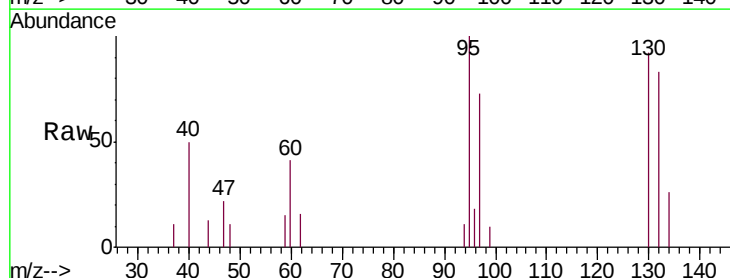
Instrument :
MSVOA_V
ClientSampleId :
BF0P5

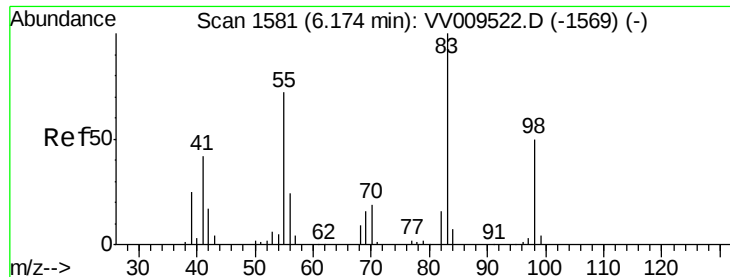
Tgt Ion: 83 Resp: 2884
Ion Ratio Lower Upper
83 100
85 90.4 45.4 84.2#



#35
Trichloroethene
Concen: 1.060 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

Tgt Ion: 95 Resp: 2626
Ion Ratio Lower Upper
95 100
97 62.4 44.3 82.3
132 82.9 64.4 119.6
130 93.1 69.4 128.8

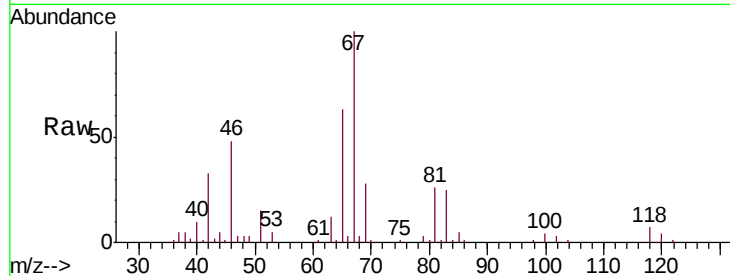




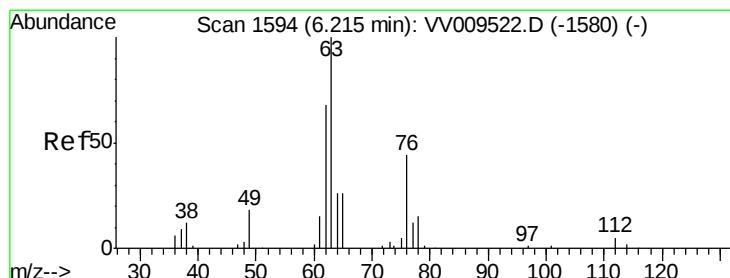
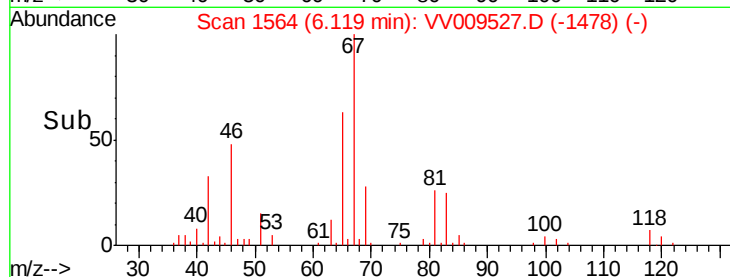
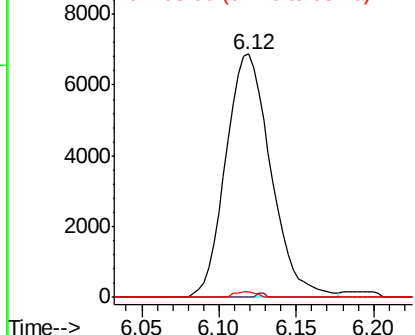
#36
Methylcyclohexane
Concen: 3.459 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
BF0P5

Tgt Ion: 83 Resp: 13956
Ion Ratio Lower Upper
83 100
55 0.3 58.8 88.2#
98 1.1 37.7 56.5#

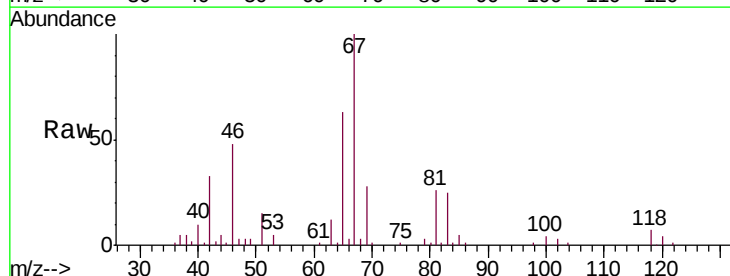


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

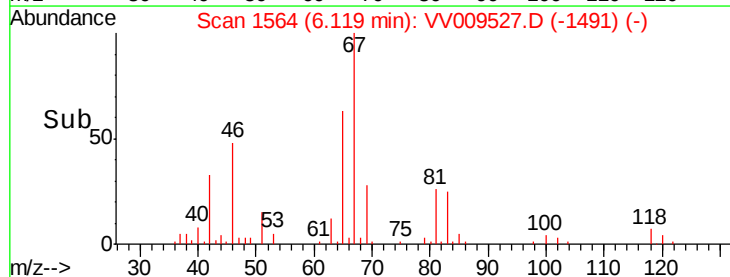
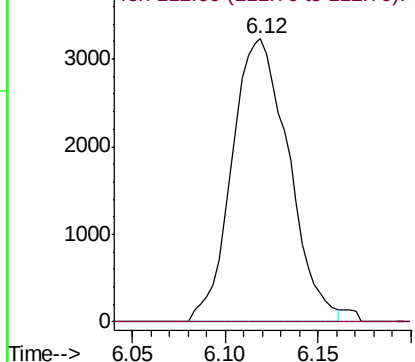


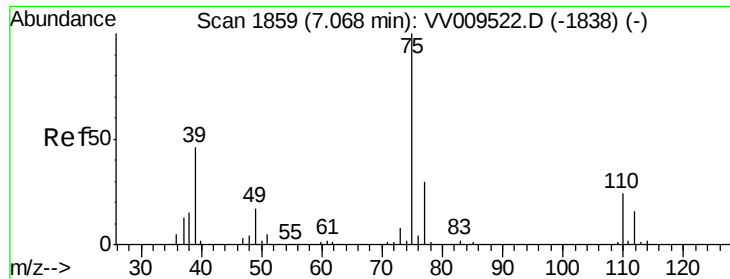
#40
1,2-Dichloropropane
Concen: 3.086 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

Tgt Ion: 63 Resp: 6858
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V



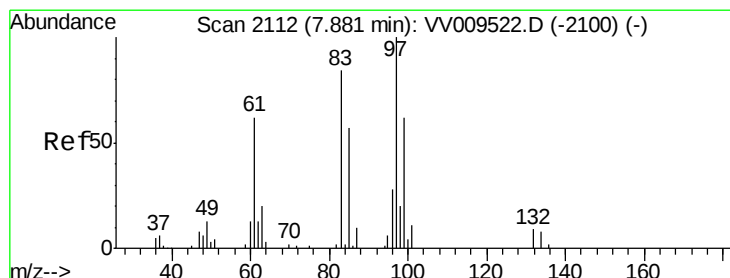
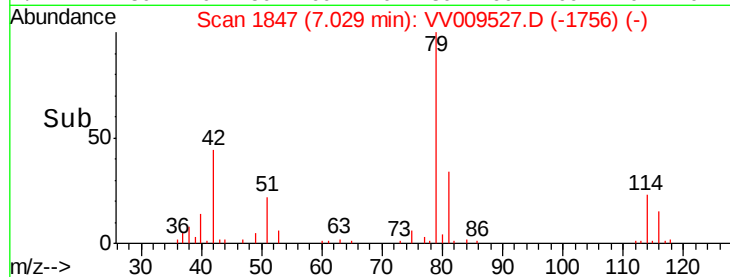
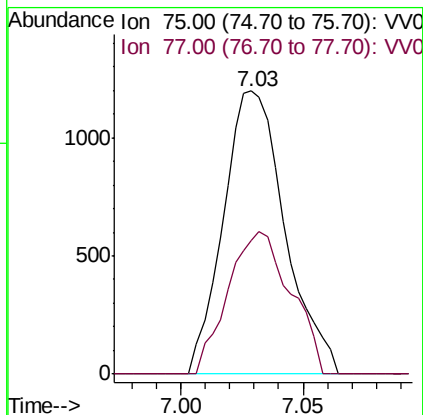
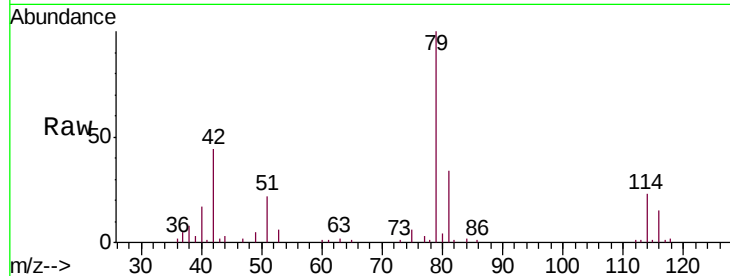


#42

cis-1,3-Dichloropropene
Concen: 0.608 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

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ClientSampleId :
BF0P5

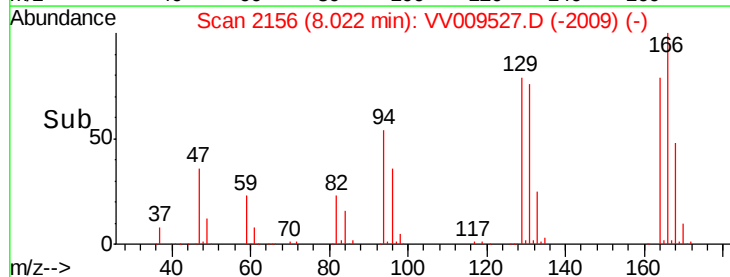
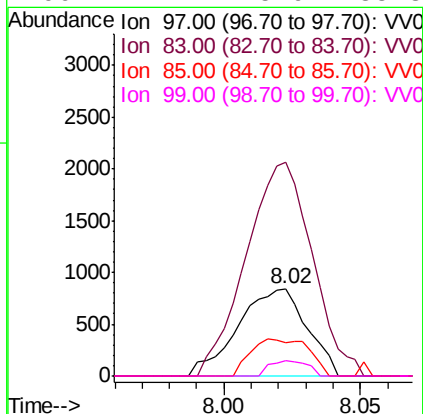
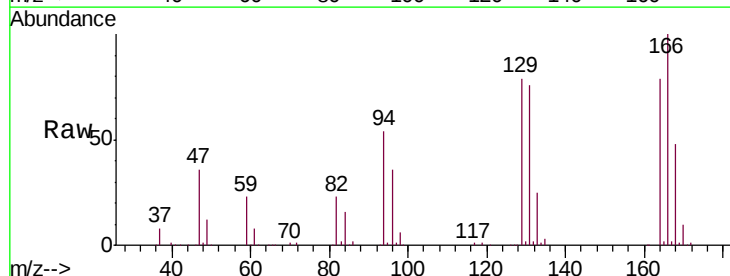
Tgt Ion: 75 Resp: 2097
Ion Ratio Lower Upper
75 100
77 47.0 21.4 39.8#

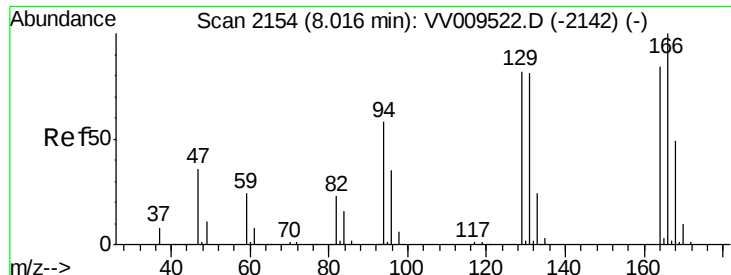


#46

1,1,2-Trichloroethane
Concen: 0.801 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.14 min
Lab File: VV009527.D
Acq: 07 Mar 2019 14:18

Tgt Ion: 97 Resp: 1479
Ion Ratio Lower Upper
97 100
83 244.4 63.8 118.6#
85 37.8 39.5 73.4#
99 17.7 45.9 85.3#





#47

Tetrachloroethene

Concen: 75.790 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009527.D

Acq: 07 Mar 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

BF0P5

Tgt Ion:164 Resp: 142381

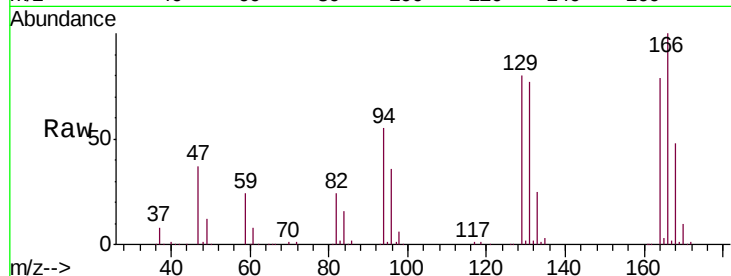
Ion Ratio Lower Upper

164 100

129 101.5 67.7 125.7

131 96.6 67.5 125.3

166 126.3 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

