

Data File : VV009590.D
Acq On : 11 Mar 2019 13:10
Operator : SY/MD
Sample : K1818-16
Misc : 5.23G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0R6

Quant Time: Mar 11 13:41:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 12:01:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	134115	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	130759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58638	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26098	16.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.68%
7) Chloroethane-d5	1.57	69	32625	13.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.88%
10) 1,1-Dichloroethene-d2	2.13	63	62258	14.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.28%
20) 2-Butanone-d5	3.94	46	23028	41.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.72%
24) Chloroform-d	4.40	84	72070	22.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.24%
26) 1,2-Dichloroethane-d4	5.08	65	44591	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.12%
29) Benzene-d6	5.10	84	143672	22.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.72%
33) 1,2-Dichloropropane-d6	6.12	67	45418	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.04%
37) Toluene-d8	7.36	98	134407	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.16%
38) trans-1,3-Dichloropropene-	7.67	79	18574	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.20%
39) 2-Hexanone-d5	8.14	63	18198	40.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42491	20.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	49632	23.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.76%

Target Compounds

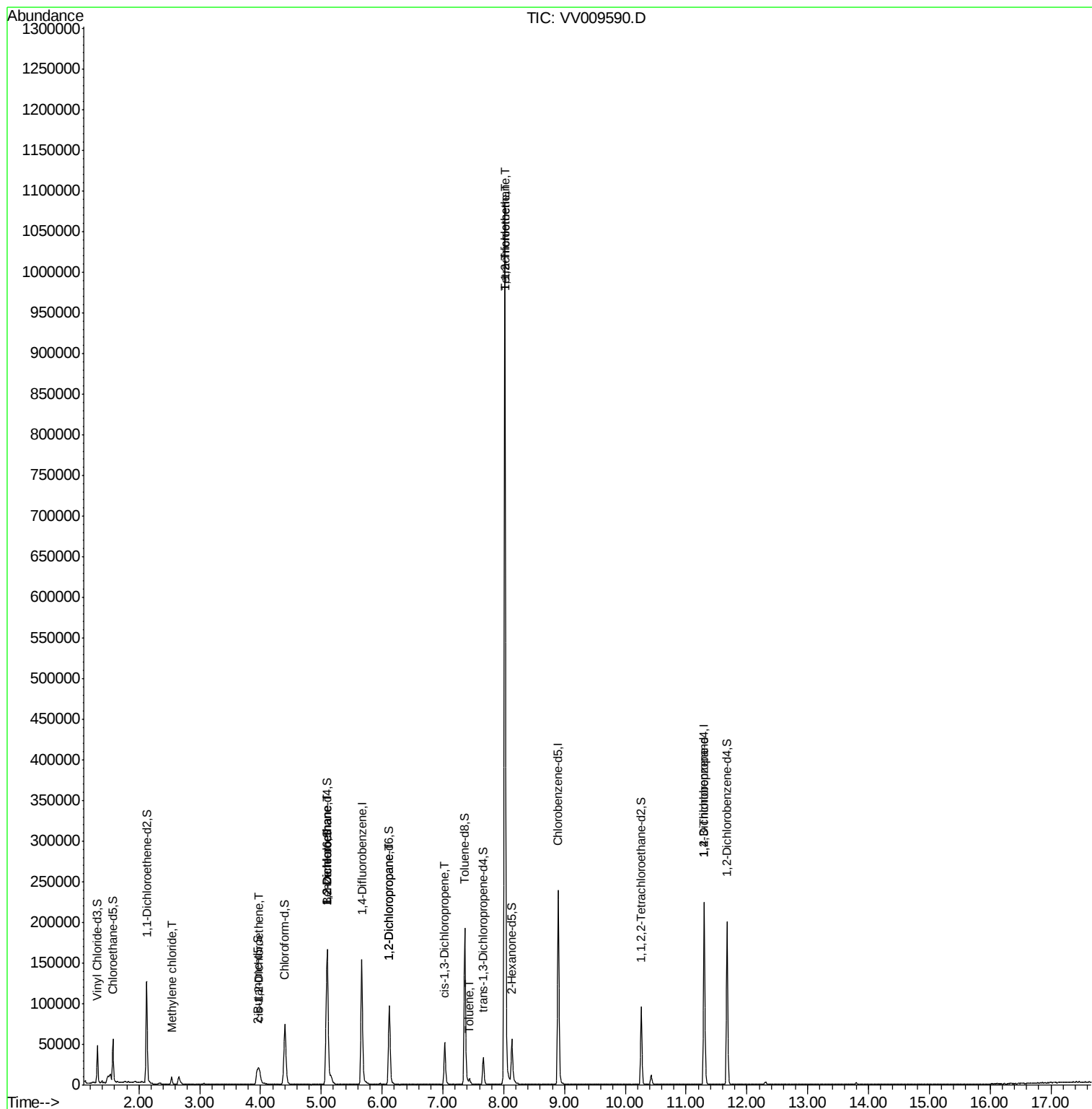
						Qvalue
16) Methylene chloride	2.54	84	3553	2.019	ug/L	95
22) cis-1,2-Dichloroethene	3.97	96	1341	0.742	ug/L	79
27) 1,2-Dichloroethane	5.10	62	789	0.361	ug/L #	77
40) 1,2-Dichloropropane	6.12	63	5350	3.071	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1045	0.386	ug/L #	75
44) Toluene	7.43	91	4865	0.637	ug/L	99
46) 1,1,2-Trichloroethane	8.02	97	2175	1.503	ug/L #	13
47) Tetrachloroethene	8.02	164	216941	147.302	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	7832	5.316	ug/L	93

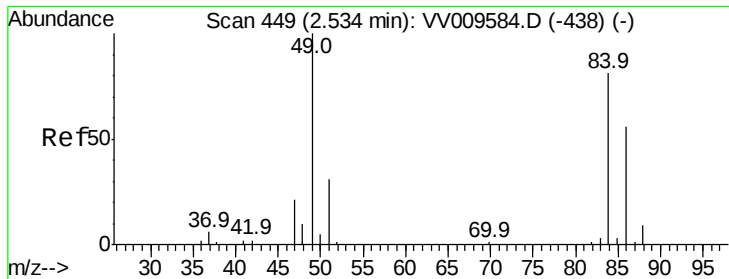
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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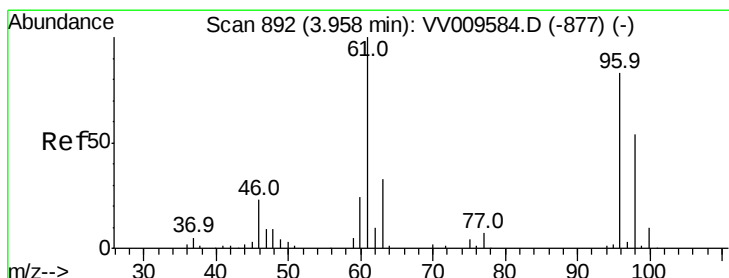
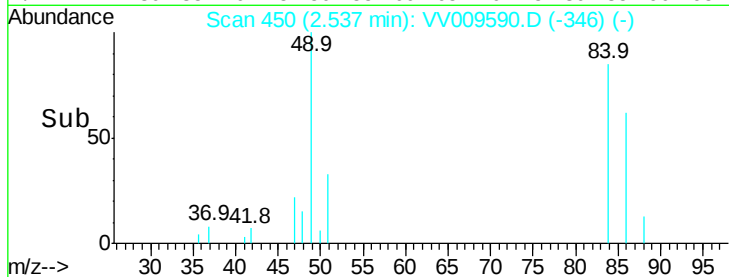
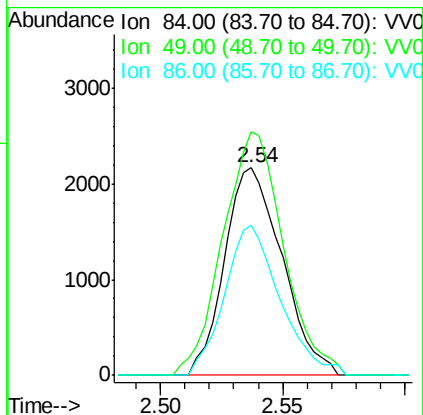
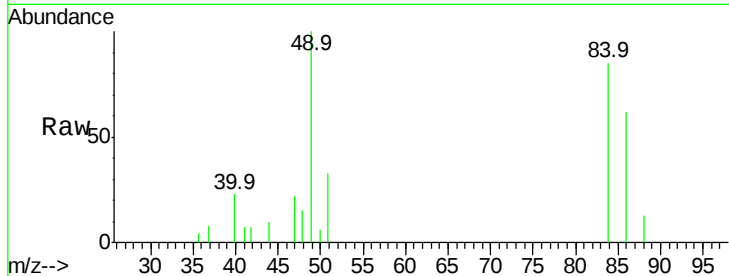




#16
Methylene chloride
Concen: 2.019 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009590.D
Acq: 11 Mar 2019 13:10

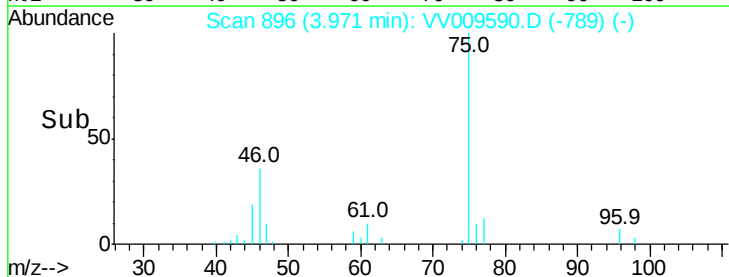
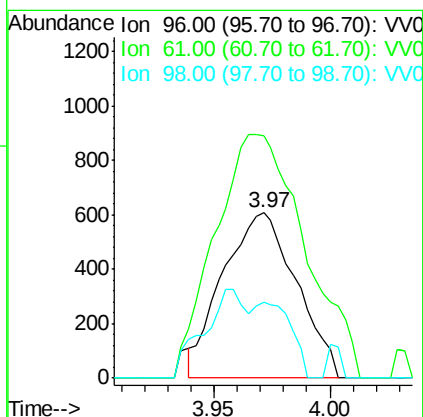
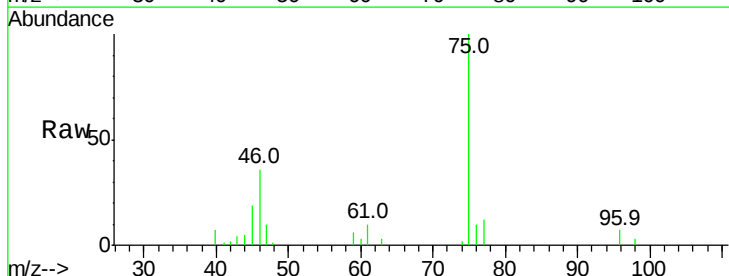
Instrument :
MSVOA_V
ClientSampled :
BF0R6

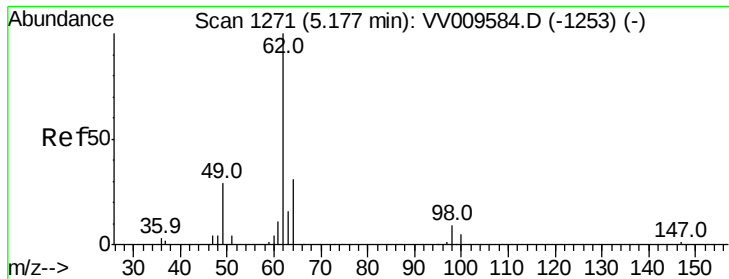
Tgt Ion: 84 Resp: 3553
Ion Ratio Lower Upper
84 100
49 117.4 84.6 157.0
86 72.4 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 0.742 ug/L
RT: 3.97 min Scan# 896
Delta R.T. 0.01 min
Lab File: VV009590.D
Acq: 11 Mar 2019 13:10

Tgt Ion: 96 Resp: 1341
Ion Ratio Lower Upper
96 100
61 146.5 87.2 161.9
98 45.9 44.6 82.8





#27

1,2-Dichloroethane

Concen: 0.361 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009590.D

Acq: 11 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

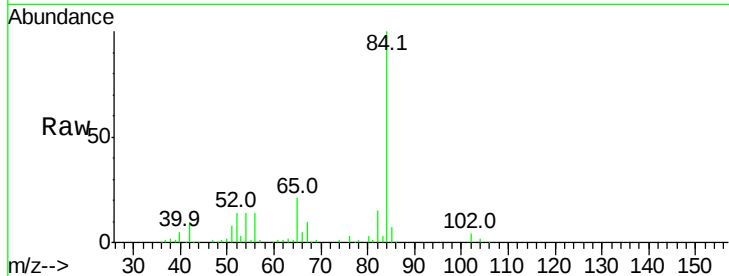
BF0R6

Tgt Ion: 62 Resp: 789

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009584.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV009584.D (-1253) (-)

5.10

400

300

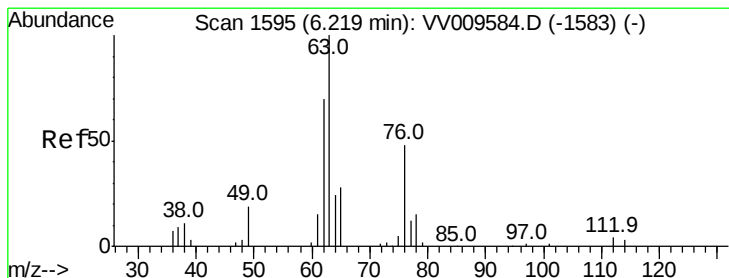
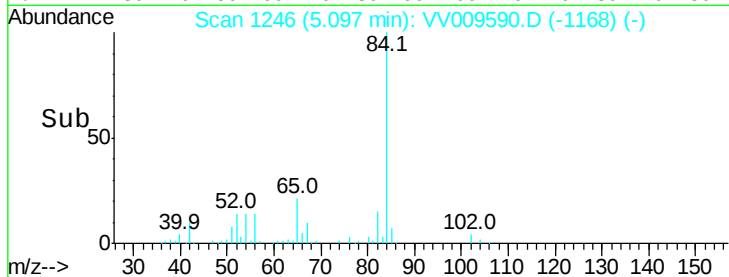
200

100

0

5.06 5.08 5.10 5.12

Time-->



#40

1,2-Dichloropropane

Concen: 3.071 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009590.D

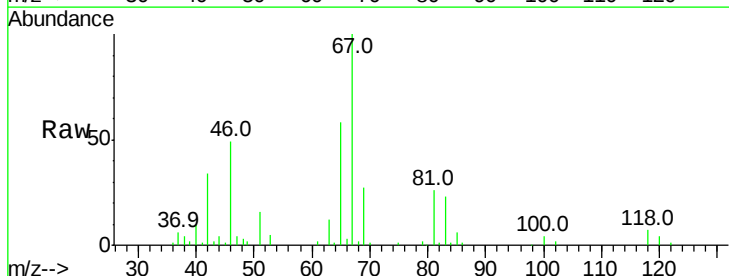
Acq: 11 Mar 2019 13:10

Tgt Ion: 63 Resp: 5350

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009584.D (-1583) (-)

Ion 112.00 (111.70 to 112.70): VV009584.D (-1583) (-)

6.12

3000

2500

2000

1500

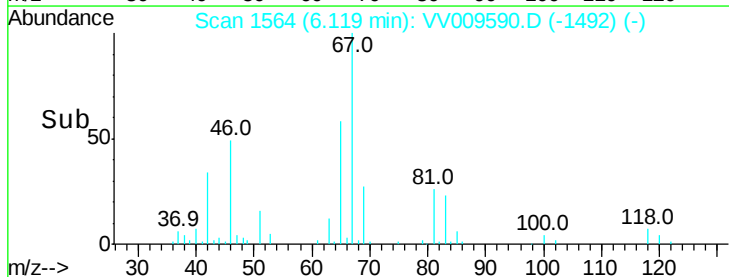
1000

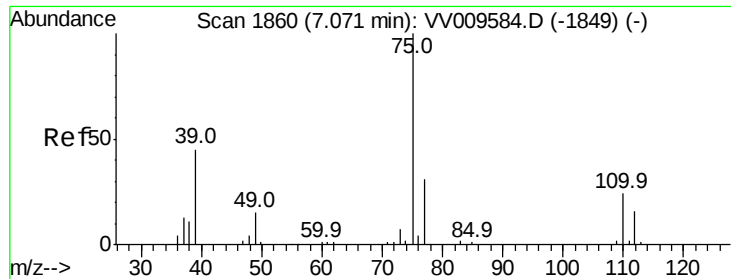
500

0

6.05 6.10 6.15

Time-->



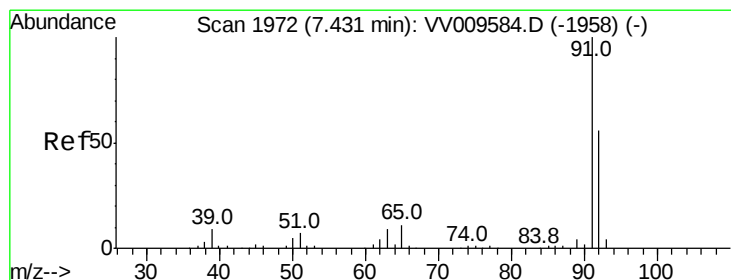
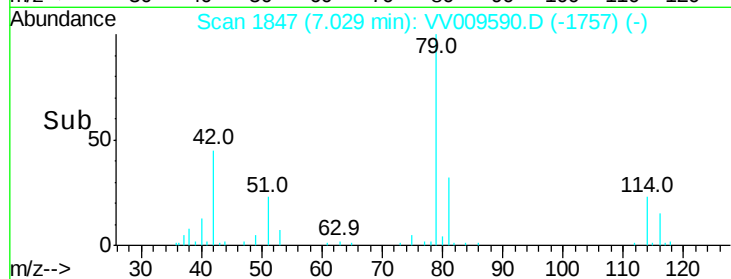
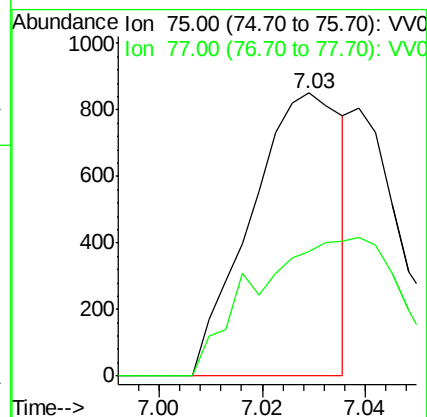
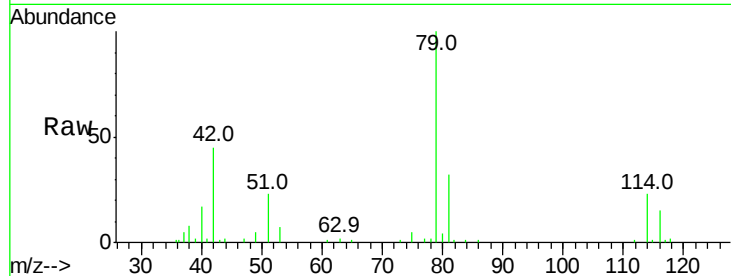


#42

cis-1,3-Dichloropropene
Concen: 0.386 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009590.D
Acq: 11 Mar 2019 13:10

Instrument :
MSVOA_V
ClientSampleId :
BF0R6

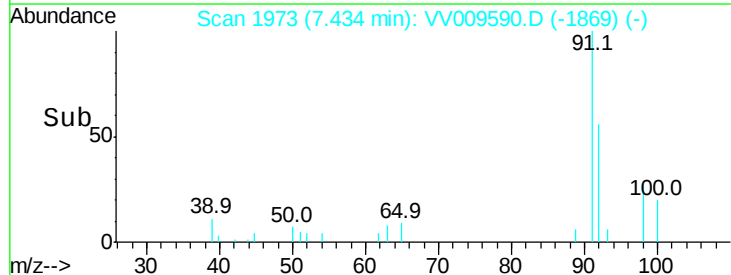
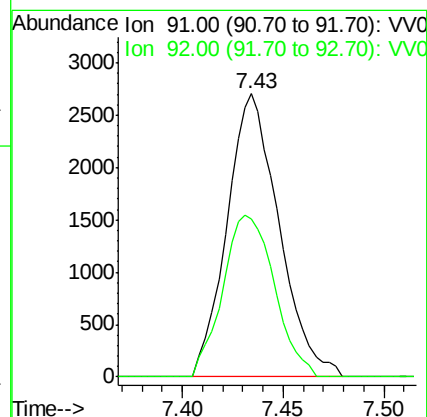
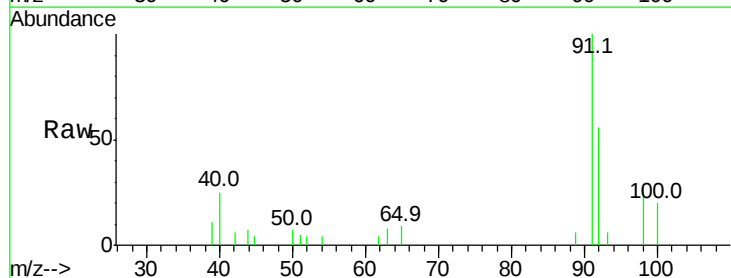
Tgt Ion: 75 Resp: 1045
Ion Ratio Lower Upper
75 100
77 44.1 21.4 39.8#

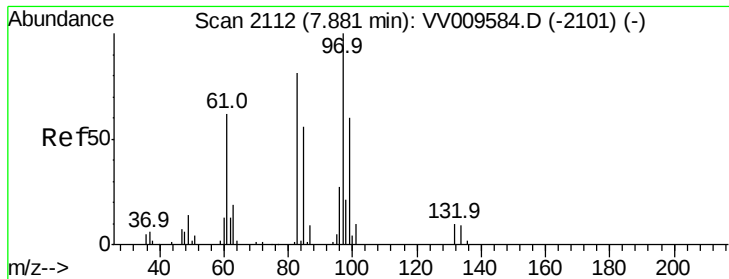


#44

Toluene
Concen: 0.637 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV009590.D
Acq: 11 Mar 2019 13:10

Tgt Ion: 91 Resp: 4865
Ion Ratio Lower Upper
91 100
92 55.7 39.6 73.6

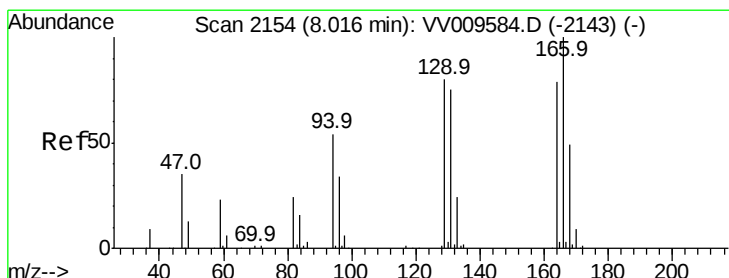
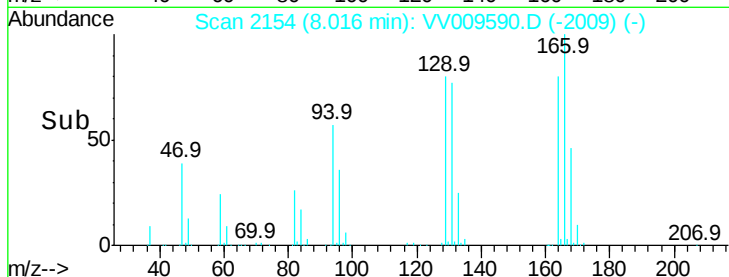
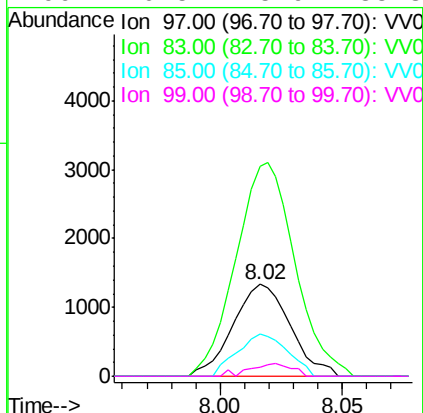
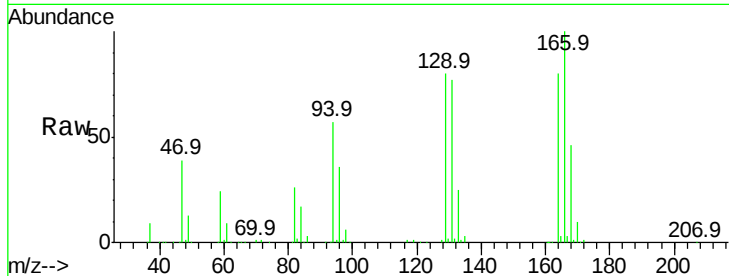




#46
1,1,2-Trichloroethane
Concen: 1.503 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.14 min
Lab File: VV009590.D
Acq: 11 Mar 2019 13:10

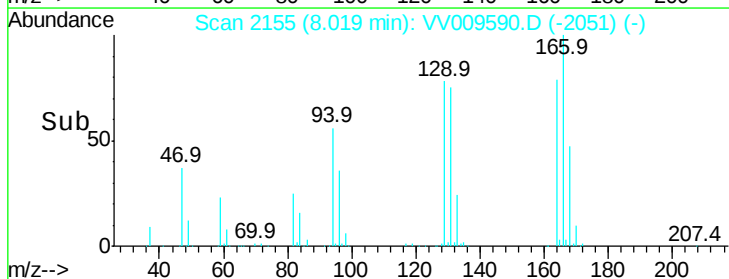
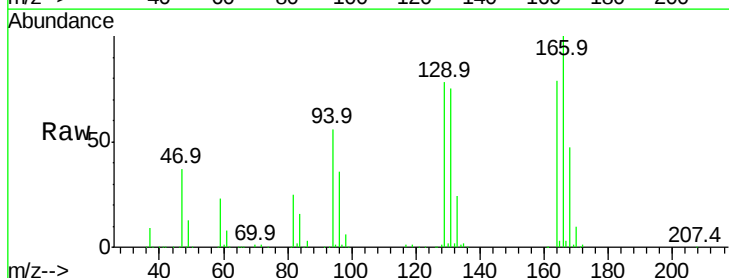
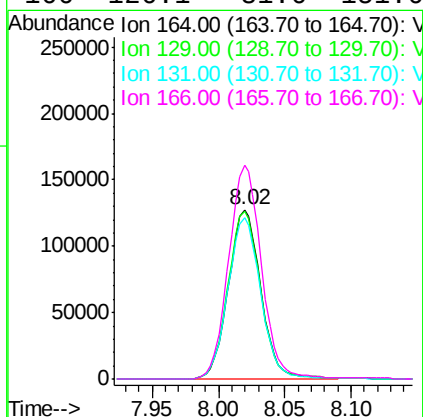
Instrument :
MSVOA_V
ClientSampleId :
BF0R6

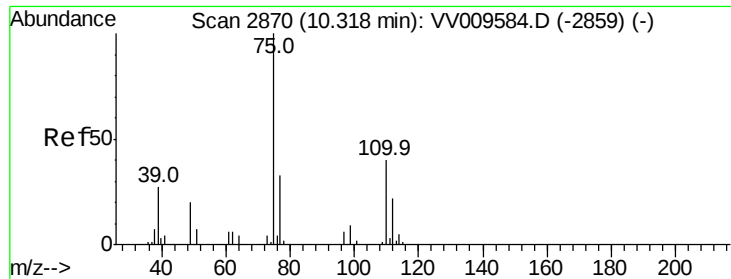
Tgt Ion: 97 Resp: 2175
Ion Ratio Lower Upper
97 100
83 227.4 63.8 118.6#
85 45.4 39.5 73.4
99 10.5 45.9 85.3#



#47
Tetrachloroethene
Concen: 147.302 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009590.D
Acq: 11 Mar 2019 13:10

Tgt Ion: 164 Resp: 216941
Ion Ratio Lower Upper
164 100
129 98.8 67.7 125.7
131 95.0 67.5 125.3
166 126.1 81.6 151.6





#59

1,2,3-Trichloropropane

Concen: 5.316 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV009590.D

Acq: 11 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

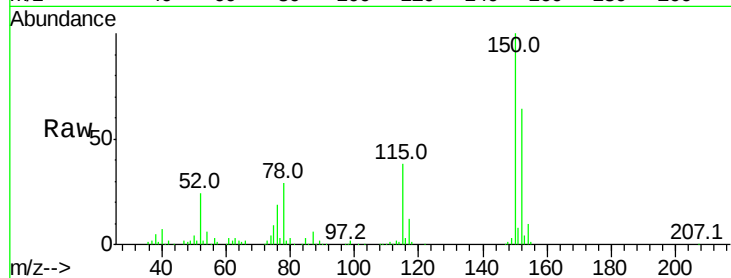
BF0R6

Tgt Ion: 75 Resp: 7832

Ion Ratio Lower Upper

75 100

77 36.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

