

Data File : VV010799.D
Acq On : 10 May 2019 07:00
Operator : SY/MD
Sample : K2788-03
Misc : 5.62G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5191

Quant Time: May 10 07:59:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Fri May 10 07:54:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	92690	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	84704	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	27589	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26837	18.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.56%
7) Chloroethane-d5	1.56	69	27485	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.80%
10) 1,1-Dichloroethene-d2	2.16	63	151	0.05	ug/L	0.03
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.20%#
20) 2-Butanone-d5	3.92	46	24447	56.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.16%
24) Chloroform-d	4.39	84	68722	27.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.76%
26) 1,2-Dichloroethane-d4	5.07	65	43989	27.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.48%
29) Benzene-d6	5.09	84	122697	27.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.08%
33) 1,2-Dichloropropane-d6	6.11	67	42504	29.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.68%
37) Toluene-d8	7.36	98	98541	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.32%
38) trans-1,3-Dichloropropene-	7.66	79	15335	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.72%
39) 2-Hexanone-d5	8.13	63	17036	57.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.62%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	36027	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	28450	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

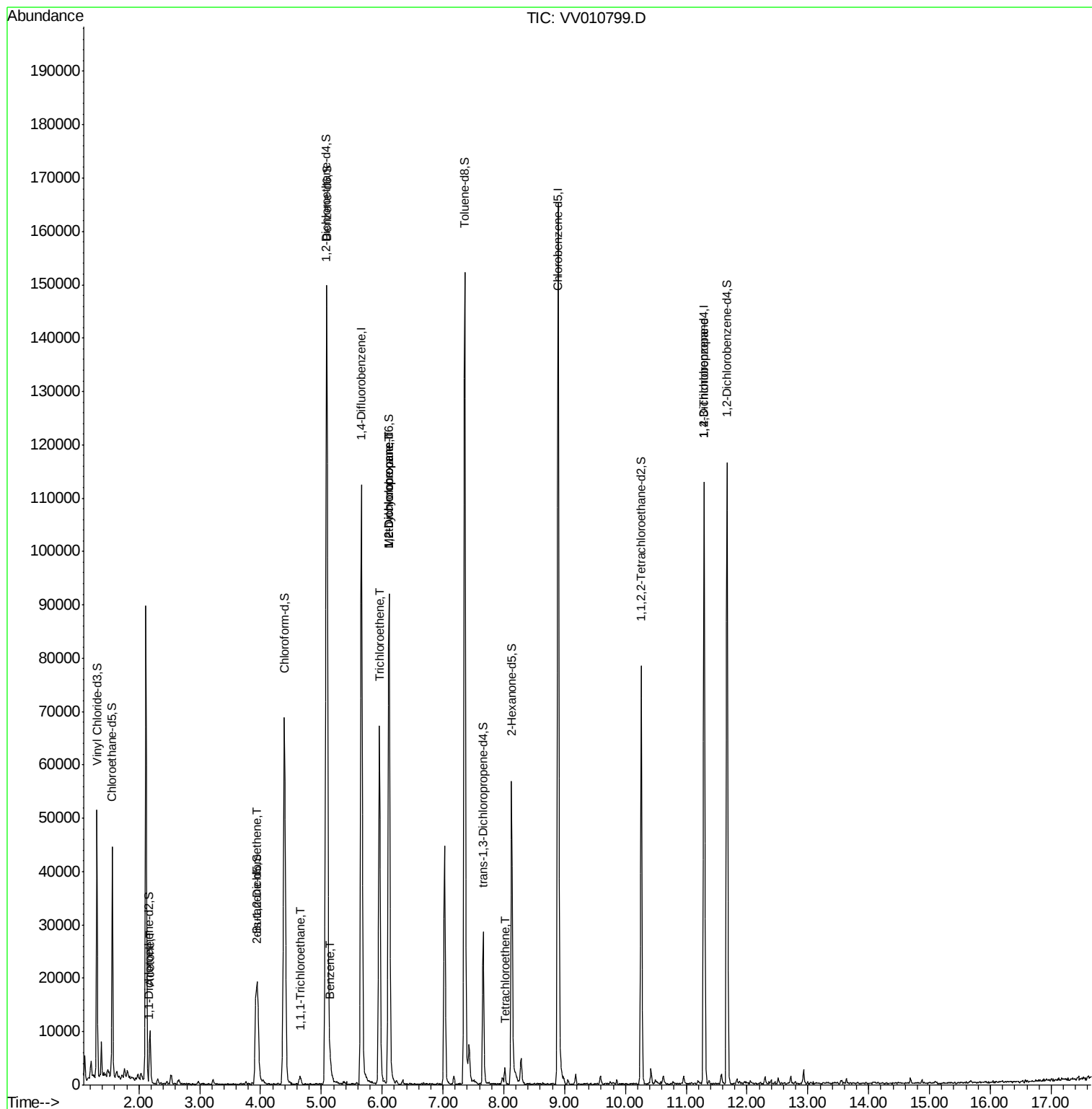
						Qvalue
13) Acetone	2.18	43	9489	14.185	ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	6530	4.334	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	1322	0.626	ug/L #	76
34) Benzene	5.14	78	2645	0.532	ug/L	100
35) Trichloroethene	5.96	95	22694	16.293	ug/L	97
36) Methylcyclohexane	6.11	83	9988	4.474	ug/L #	17
40) 1,2-Dichloropropane	6.11	63	5277	3.989	ug/L #	87
47) Tetrachloroethene	8.02	164	651	0.645	ug/L	90
59) 1,2,3-Trichloropropane	11.29	75	3878	3.490	ug/L #	76

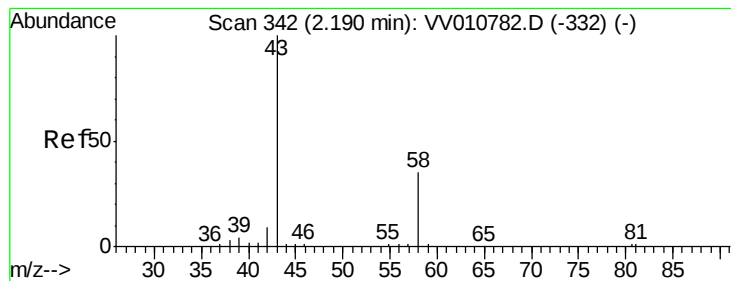
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 14.185 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV010799.D

Acq: 10 May 2019 07:00

Instrument :

MSVOA_V

ClientSampled :

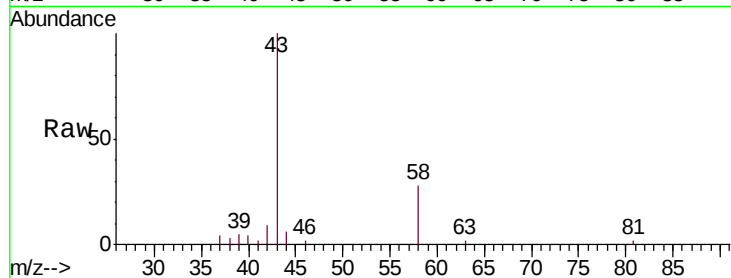
A5191

Tgt Ion: 43 Resp: 9489

Ion Ratio Lower Upper

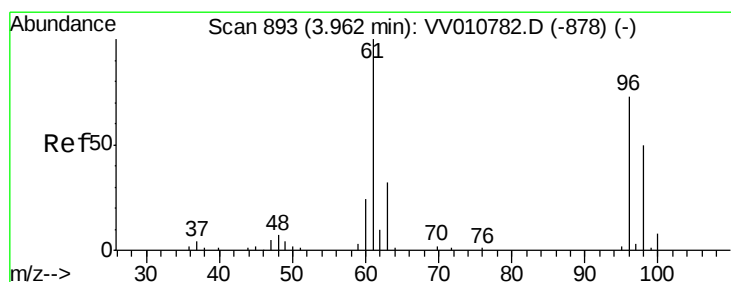
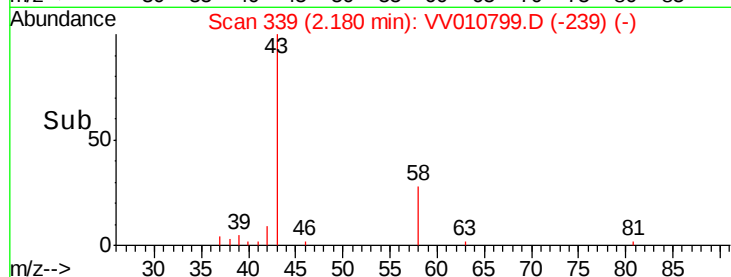
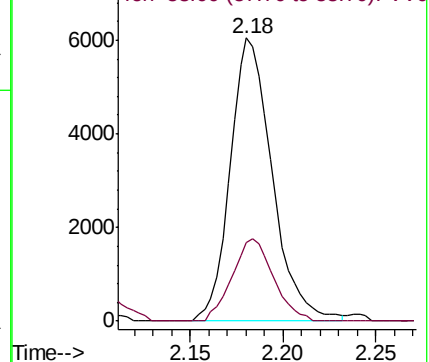
43 100

58 28.5 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 4.334 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.01 min

Lab File: VV010799.D

Acq: 10 May 2019 07:00

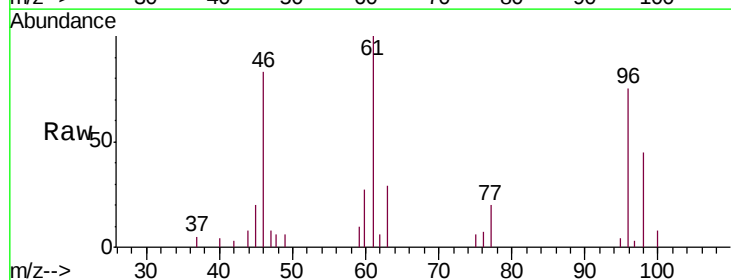
Tgt Ion: 96 Resp: 6530

Ion Ratio Lower Upper

96 100

61 134.2 93.9 174.5

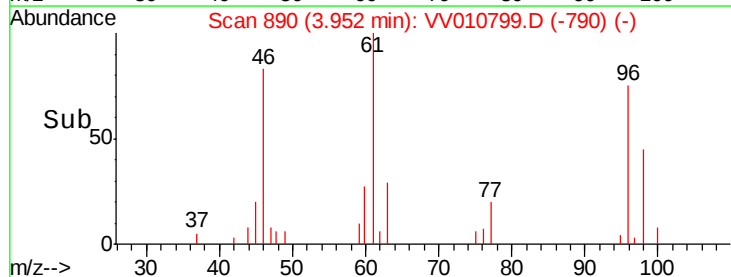
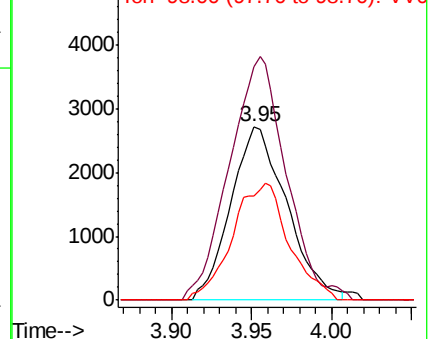
98 60.1 46.5 86.5

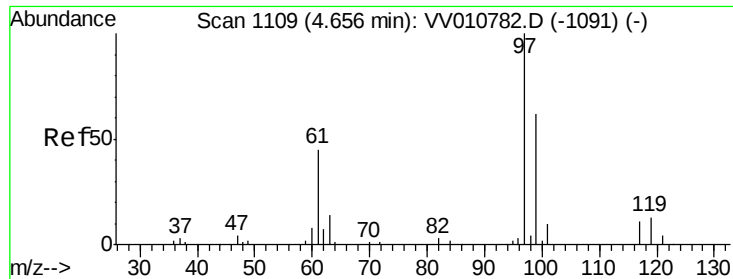


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

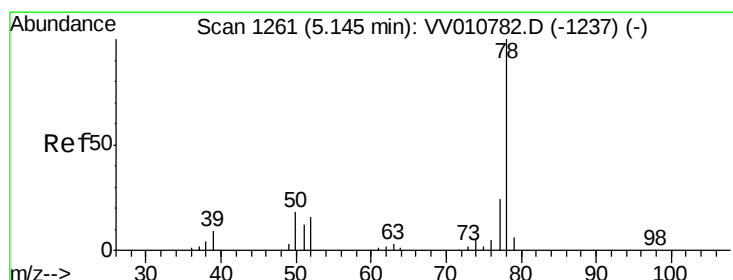
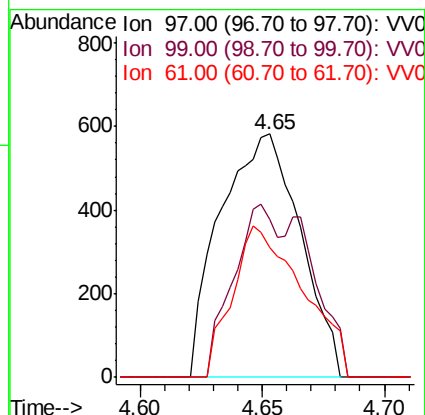
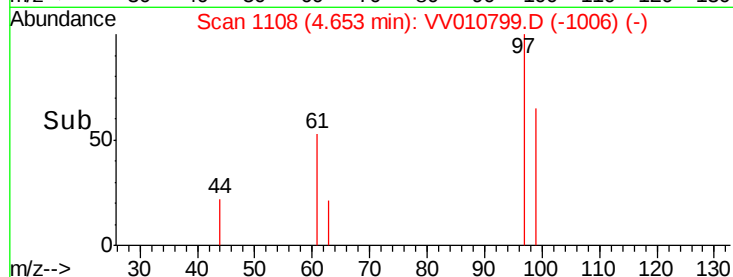
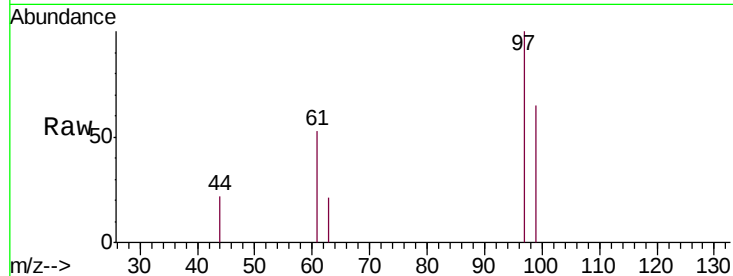




#31
 1,1,1-Trichloroethane
 Concen: 0.626 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV010799.D
 Acq: 10 May 2019 07:00

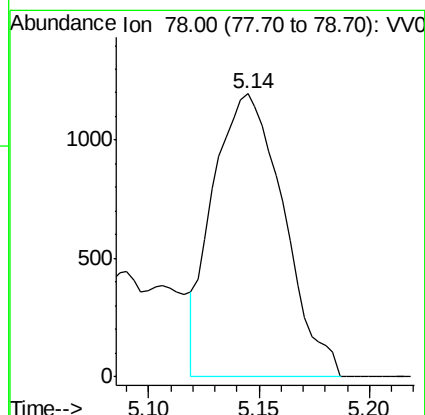
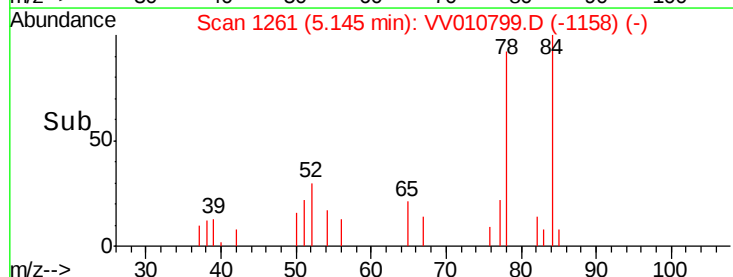
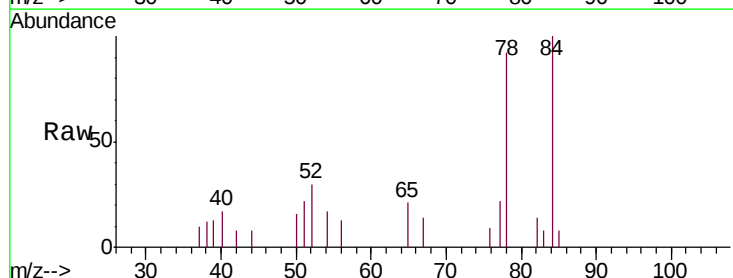
Instrument :
 MSVOA_V
 ClientSampleId :
 A5191

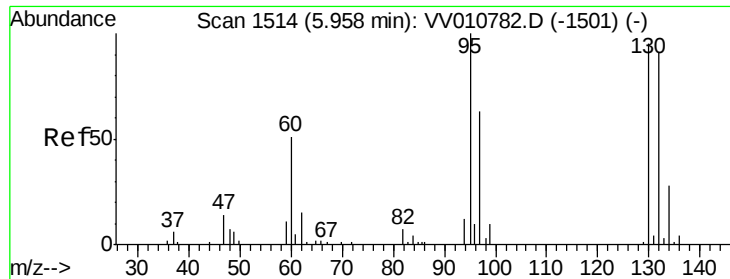
Tgt Ion: 97 Resp: 1322
 Ion Ratio Lower Upper
 97 100
 99 38.5 50.2 75.2#
 61 55.1 36.7 55.1#



#34
 Benzene
 Concen: 0.532 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VV010799.D
 Acq: 10 May 2019 07:00

Tgt Ion: 78 Resp: 2645





#35

Trichloroethene

Concen: 16.293 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010799.D

Acq: 10 May 2019 07:00

Instrument :

MSVOA_V

ClientSampleId :

A5191

Tgt Ion: 95 Resp: 22694

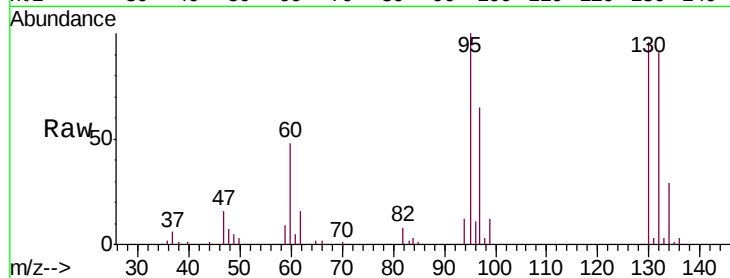
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 93.1 62.4 115.8

130 94.7 68.5 127.3

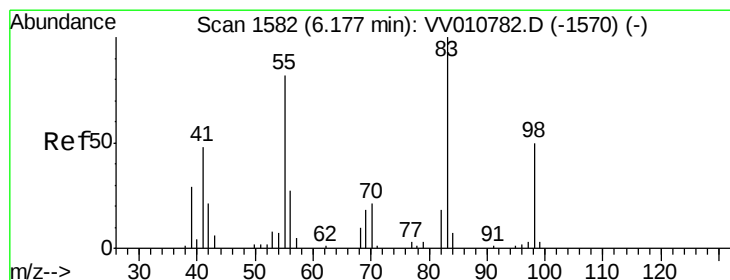
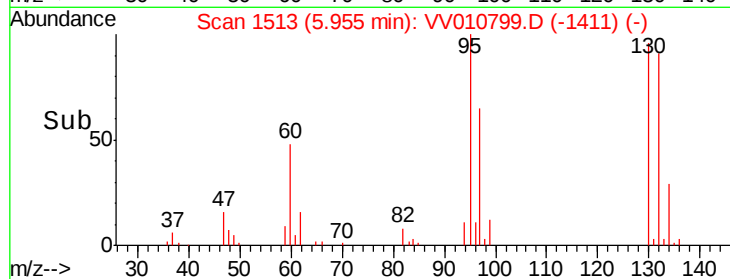
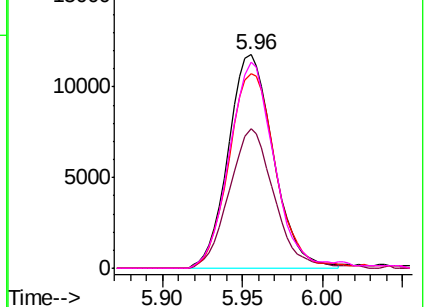


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 4.474 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV010799.D

Acq: 10 May 2019 07:00

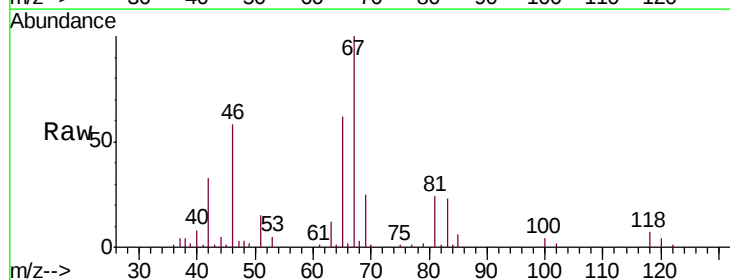
Tgt Ion: 83 Resp: 9988

Ion Ratio Lower Upper

83 100

55 0.0 64.6 96.8#

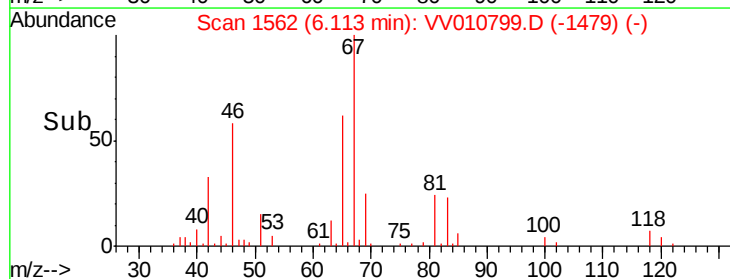
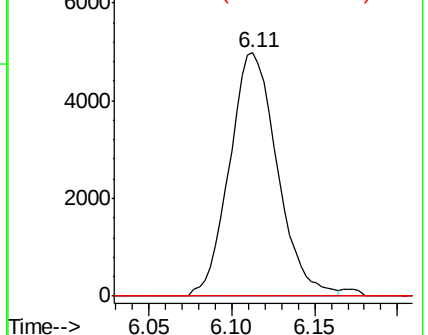
98 0.0 37.7 56.5#

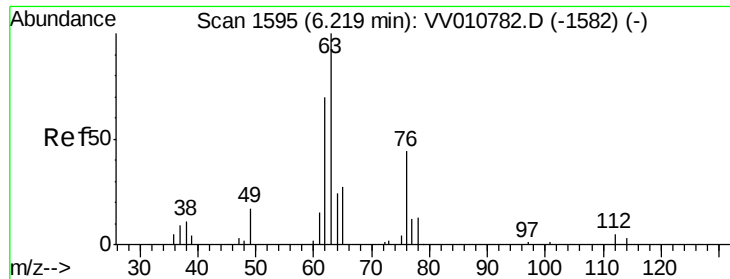


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

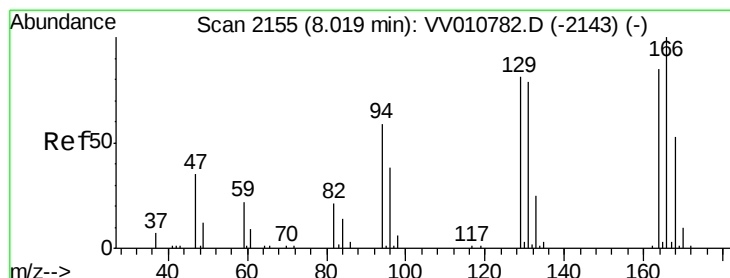
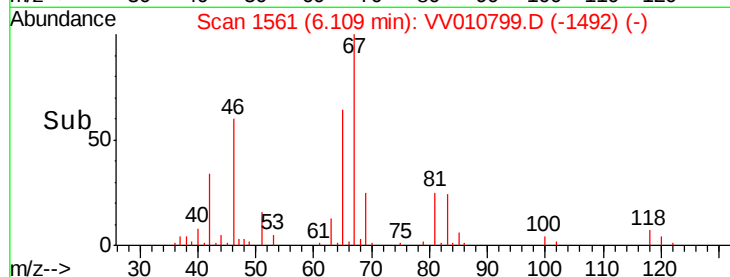
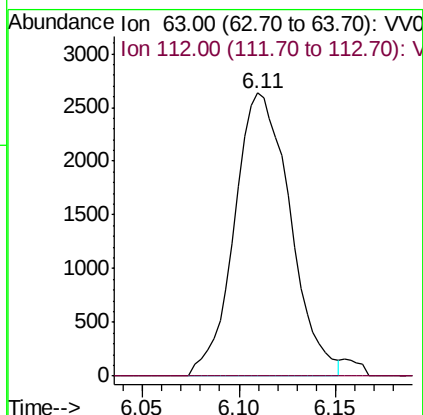
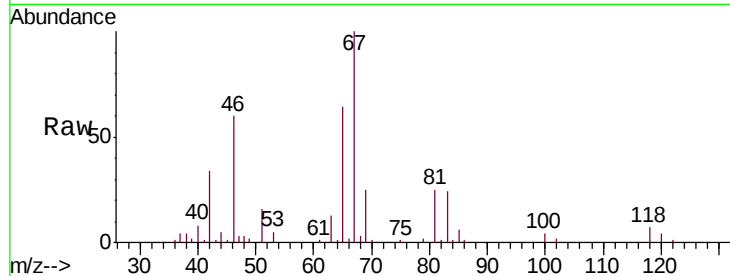




#40
 1,2-Dichloropropane
 Concen: 3.989 ug/L
 RT: 6.11 min Scan# 1561
 Delta R.T. -0.11 min
 Lab File: VV010799.D
 Acq: 10 May 2019 07:00

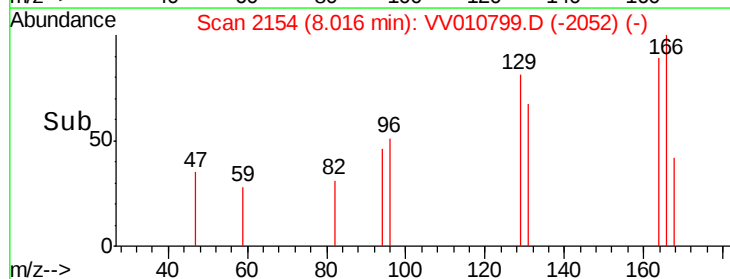
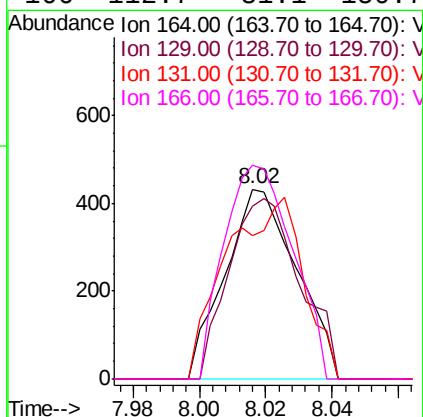
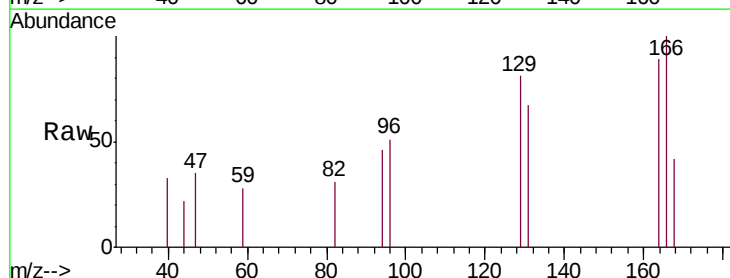
Instrument :
 MSVOA_V
 ClientSampleId :
 A5191

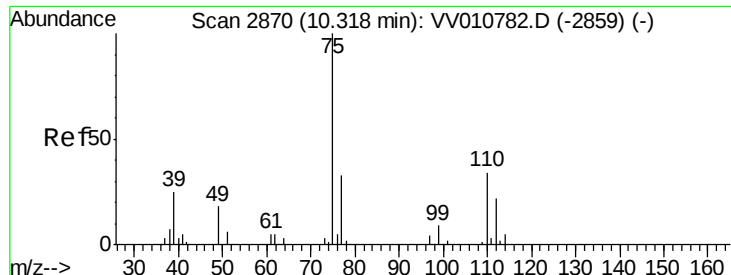
Tgt Ion: 63 Resp: 5277
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#47
 Tetrachloroethene
 Concen: 0.645 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010799.D
 Acq: 10 May 2019 07:00

Tgt Ion: 164 Resp: 651
 Ion Ratio Lower Upper
 164 100
 129 91.4 69.3 128.7
 131 75.7 67.3 125.1
 166 112.7 81.1 150.7





#59

1,2,3-Trichloropropane

Concen: 3.490 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010799.D

Acq: 10 May 2019 07:00

Instrument :

MSVOA_V

ClientSampleId :

A5191

Tgt Ion: 75 Resp: 3878

Ion Ratio Lower Upper

75 100

77 44.4 25.0 37.6#

