

Data File : VV010725.D
Acq On : 08 May 2019 11:59
Operator : SY/MD
Sample : K2690-14
Misc : 4.97G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5160

Quant Time: May 09 02:28:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	13346	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	11304	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	3069	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4855	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.68%
7) Chloroethane-d5	1.58	69	4436	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.00%
10) 1,1-Dichloroethene-d2	2.13	63	6700	14.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.60%
20) 2-Butanone-d5	3.94	46	3448	55.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.84%
24) Chloroform-d	4.40	84	9343	25.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.72%
26) 1,2-Dichloroethane-d4	5.08	65	5993	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.48%
29) Benzene-d6	5.10	84	15654	26.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.24%
33) 1,2-Dichloropropane-d6	6.12	67	5402	28.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.96%
37) Toluene-d8	7.36	98	12356	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.76%
38) trans-1,3-Dichloropropene-	7.67	79	1506	17.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.68%
39) 2-Hexanone-d5	8.14	63	1742	43.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.82%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	5100	28.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	3004	25.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.08%

Target Compounds

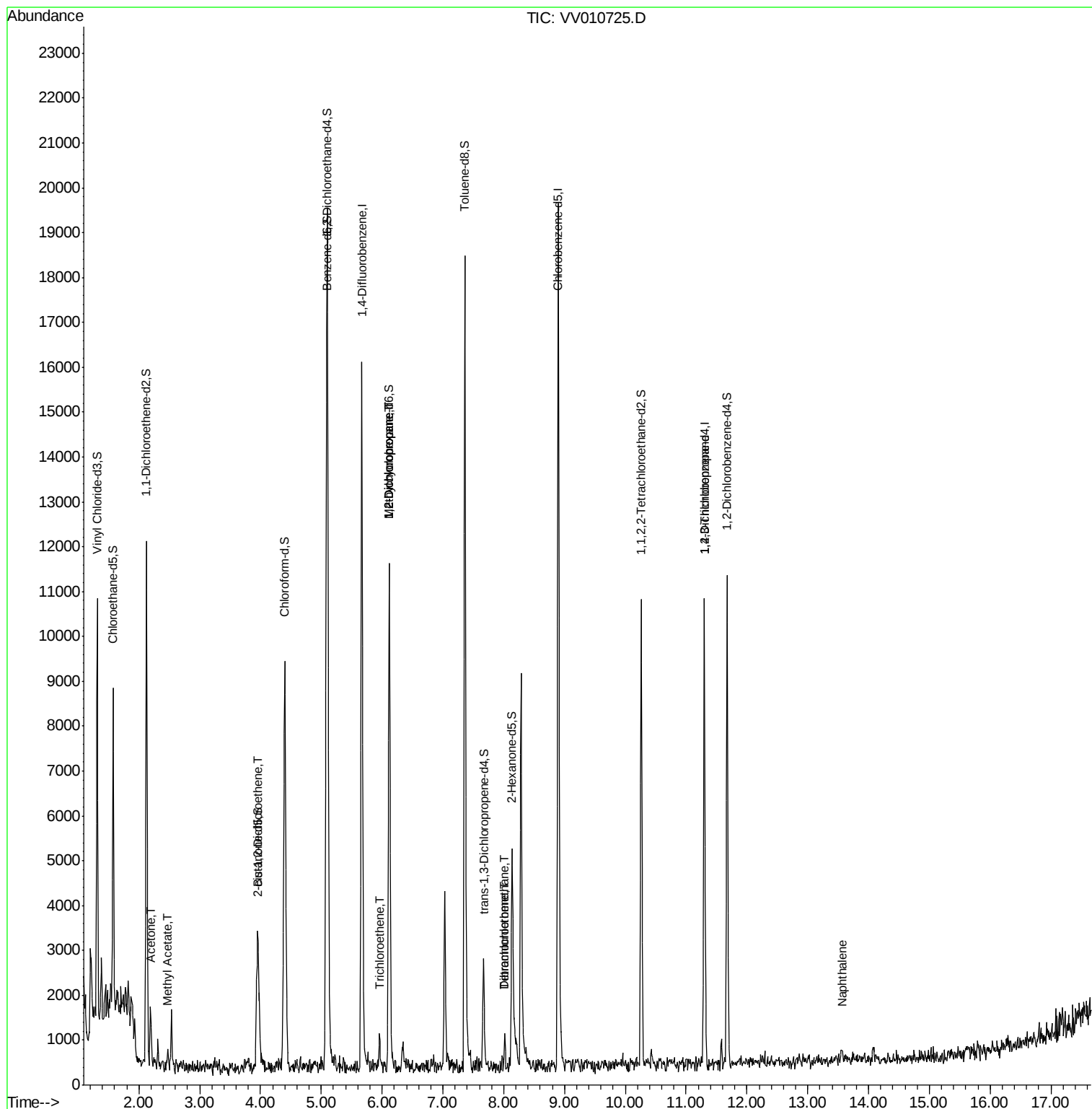
					Qvalue
13) Acetone	2.19	43	1284	13.331 ug/L	72
15) Methyl Acetate	2.46	43	331	2.877 ug/L #	55
22) cis-1,2-Dichloroethene	3.96	96	572	2.636 ug/L	90
35) Trichloroethene	5.95	95	137	0.737 ug/L #	55
36) Methylcyclohexane	6.12	83	1038	3.484 ug/L #	17
40) 1,2-Dichloropropane	6.11	63	752	4.260 ug/L #	87
47) Tetrachloroethene	8.02	164	136	1.010 ug/L	88
50) Dibromochloromethane	8.02	129	199	1.193 ug/L #	10
59) 1,2,3-Trichloropropane	11.30	75	339	2.286 ug/L #	84
69) Naphthalene	13.57	128	268	1.052 ug/L #	69

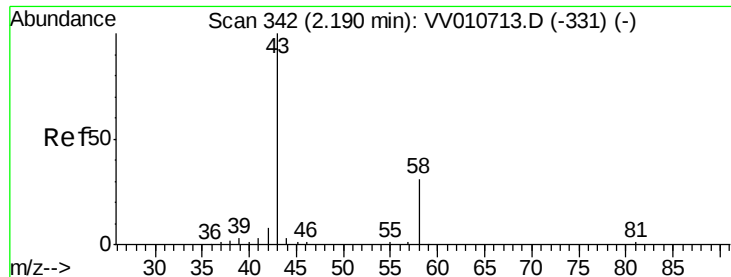
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.331 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010725.D

Acq: 08 May 2019 11:59

Instrument :

MSVOA_V

ClientSampleId :

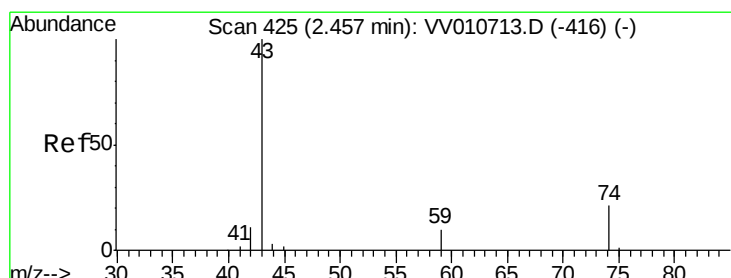
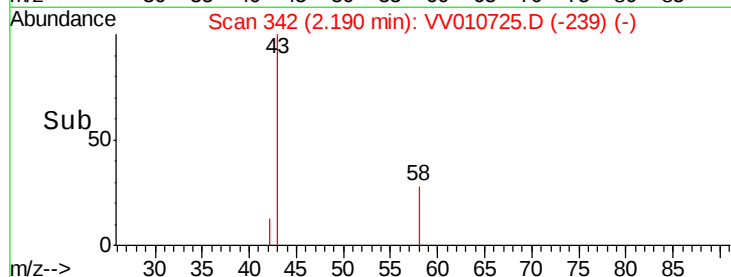
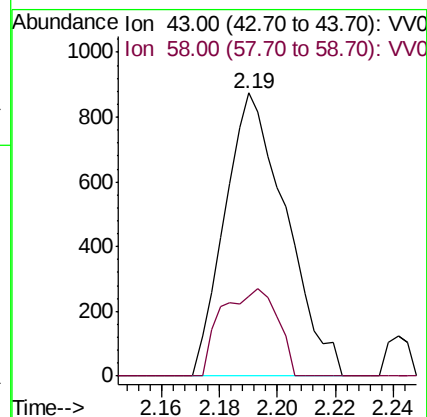
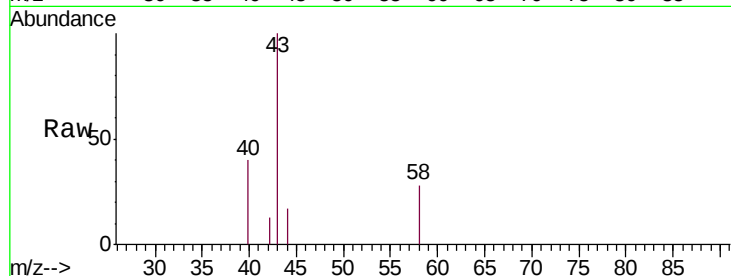
A5160

Tgt Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

58 16.1 0.0 63.4



#15

Methyl Acetate

Concen: 2.877 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV010725.D

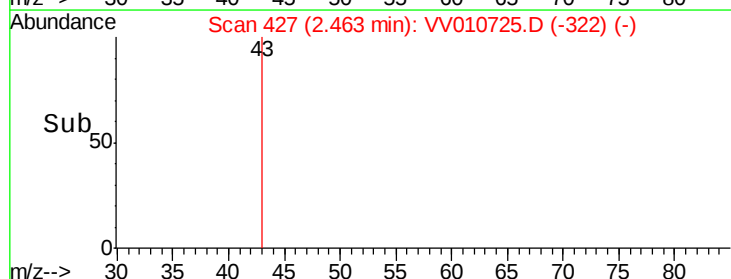
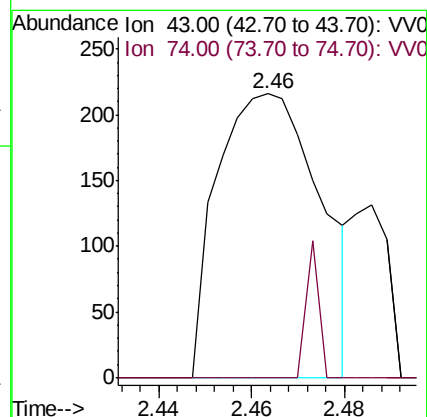
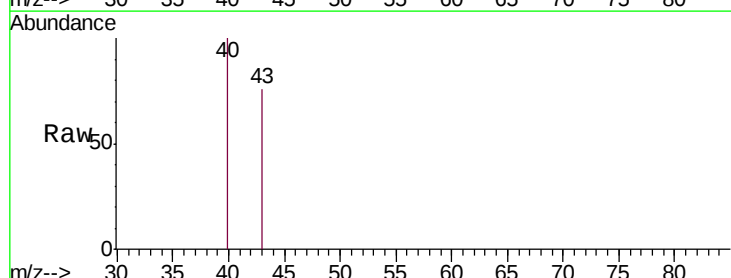
Acq: 08 May 2019 11:59

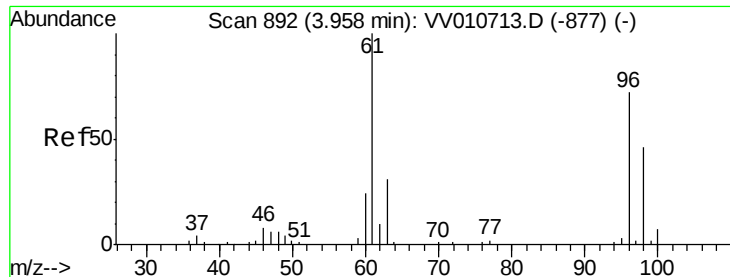
Tgt Ion: 43 Resp: 331

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



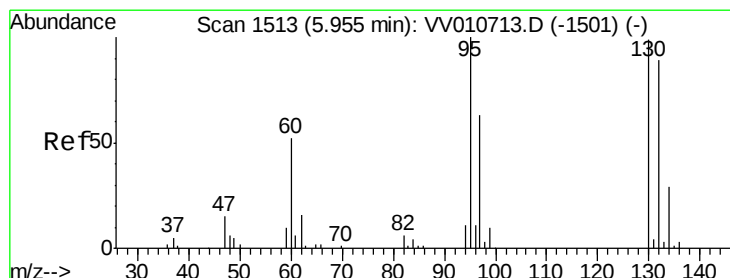
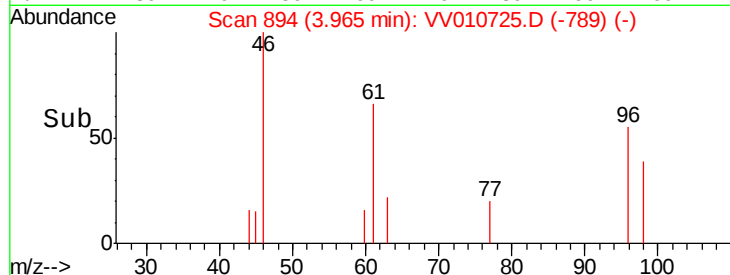
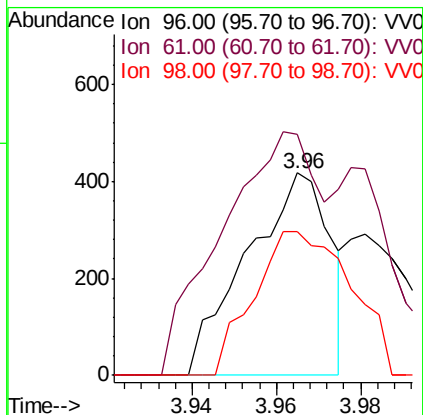
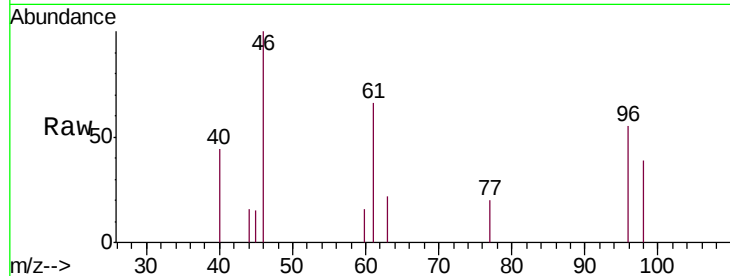


#22

cis-1,2-Dichloroethene
 Concen: 2.636 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV010725.D
 Acq: 08 May 2019 11:59

Instrument :
 MSVOA_V
 ClientSampleId :
 A5160

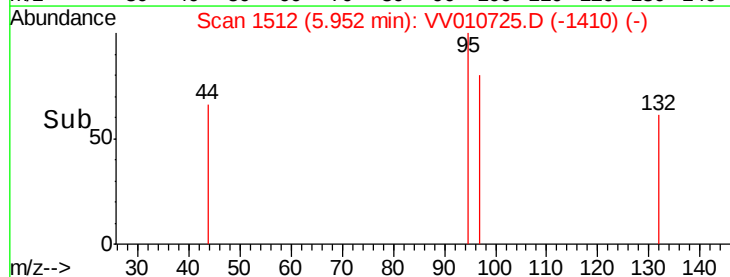
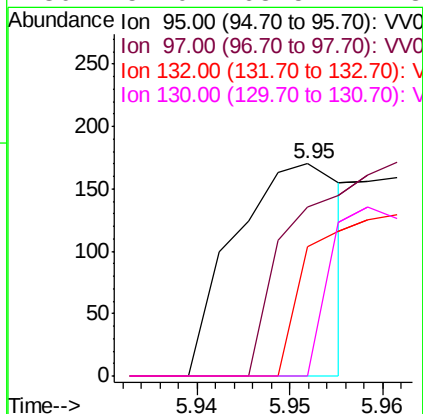
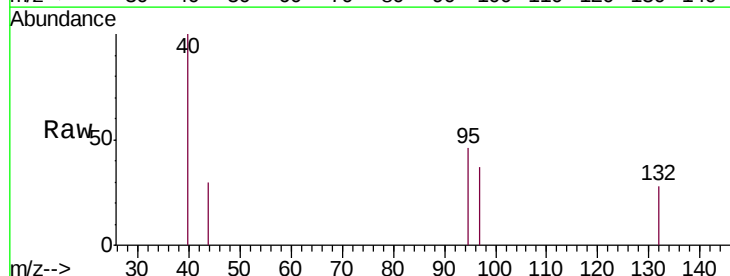
Tgt Ion: 96 Resp: 572
 Ion Ratio Lower Upper
 96 100
 61 118.9 93.9 174.5
 98 71.0 46.5 86.5

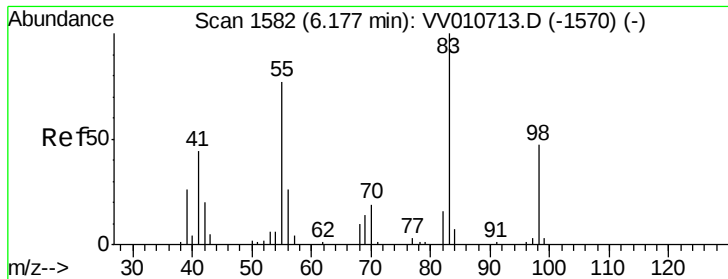


#35

Trichloroethene
 Concen: 0.737 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV010725.D
 Acq: 08 May 2019 11:59

Tgt Ion: 95 Resp: 137
 Ion Ratio Lower Upper
 95 100
 97 138.0 44.3 82.3#
 132 98.5 62.4 115.8
 130 54.0 68.5 127.3#

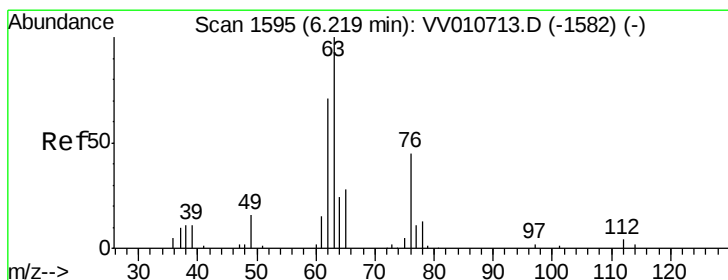
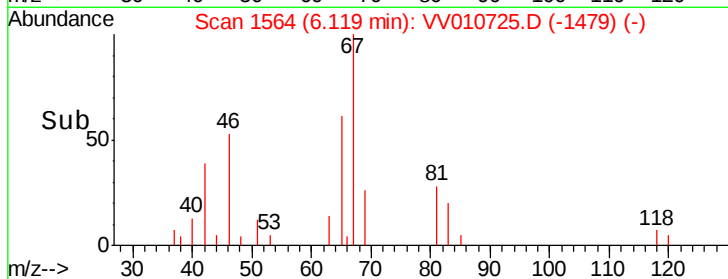
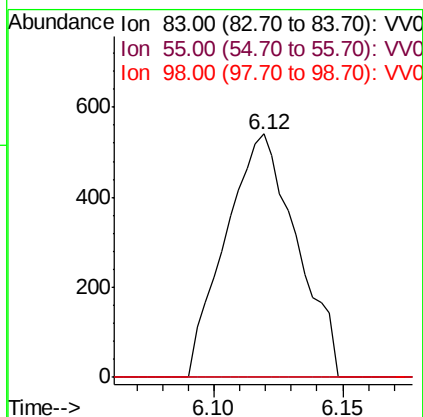
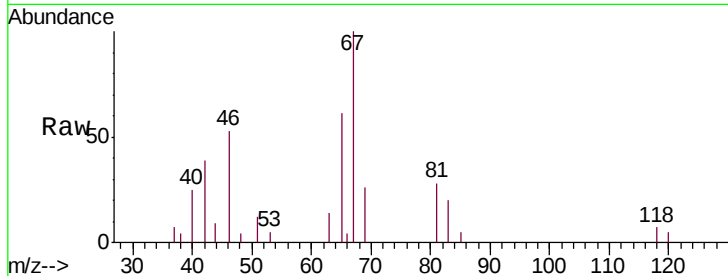




#36
Methylcyclohexane
Concen: 3.484 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV010725.D
Acq: 08 May 2019 11:59

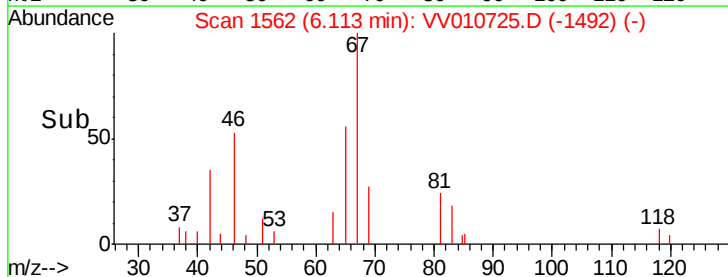
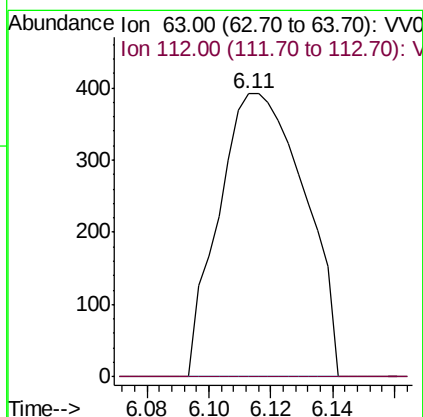
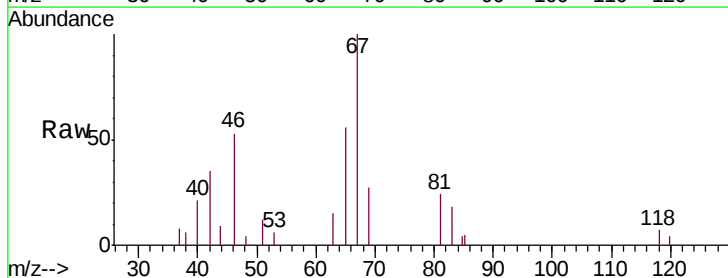
Instrument :
MSVOA_V
ClientSampled :
A5160

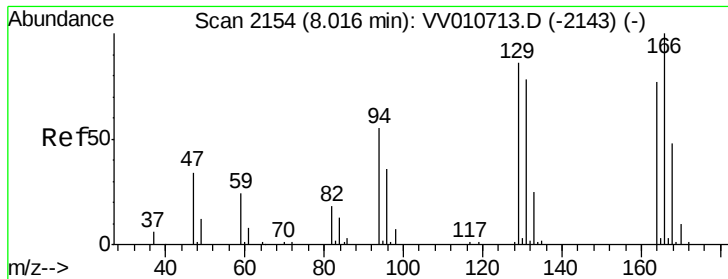
Tgt Ion: 83 Resp: 1038
Ion Ratio Lower Upper
83 100
55 0.0 64.6 96.8#
98 0.0 37.7 56.5#



#40
1,2-Dichloropropane
Concen: 4.260 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010725.D
Acq: 08 May 2019 11:59

Tgt Ion: 63 Resp: 752
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#47

Tetrachloroethene

Concen: 1.010 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010725.D

Acq: 08 May 2019 11:59

Instrument :

MSVOA_V

ClientSampleId :

A5160

Tgt Ion:164 Resp: 136

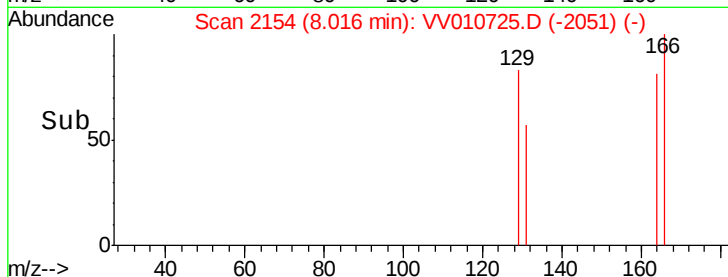
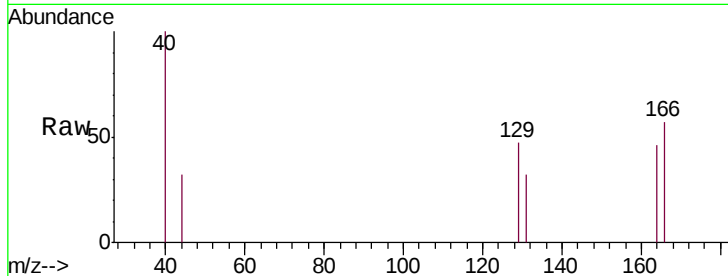
Ion Ratio Lower Upper

164 100

129 103.0 69.3 128.7

131 70.7 67.3 125.1

166 124.0 81.1 150.7

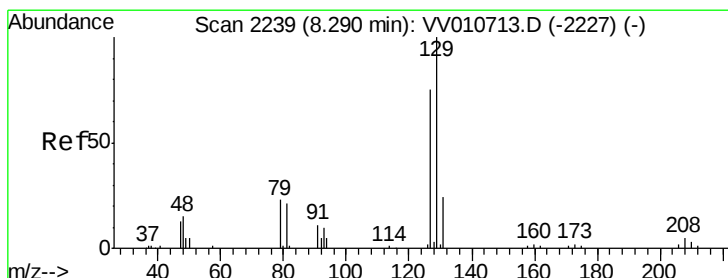
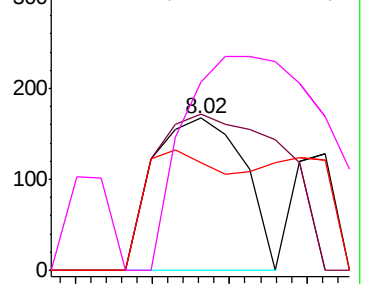


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 1.193 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010725.D

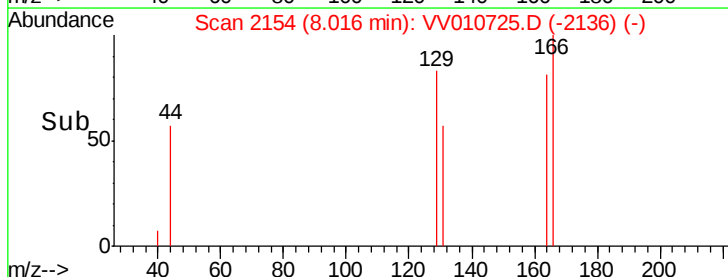
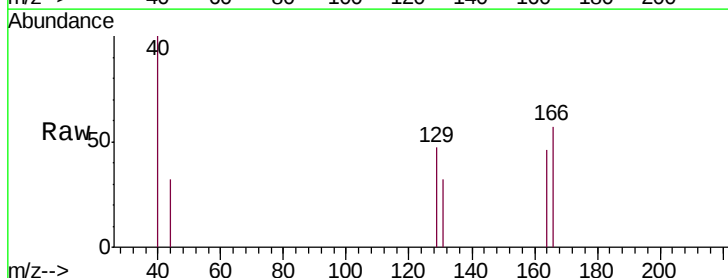
Acq: 08 May 2019 11:59

Tgt Ion:129 Resp: 199

Ion Ratio Lower Upper

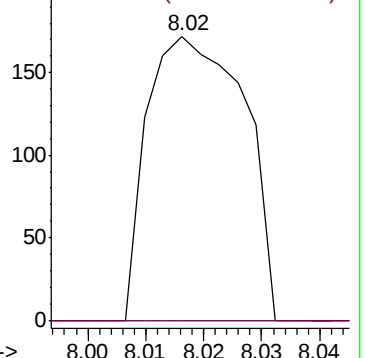
129 100

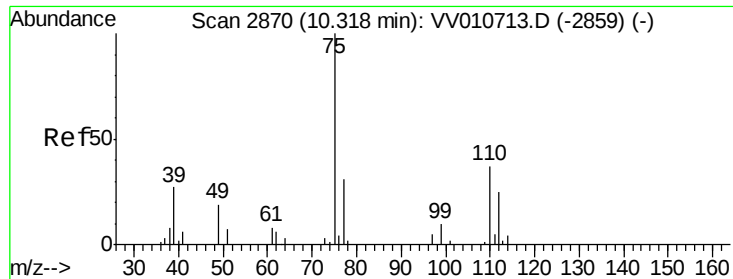
127 0.0 54.5 101.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

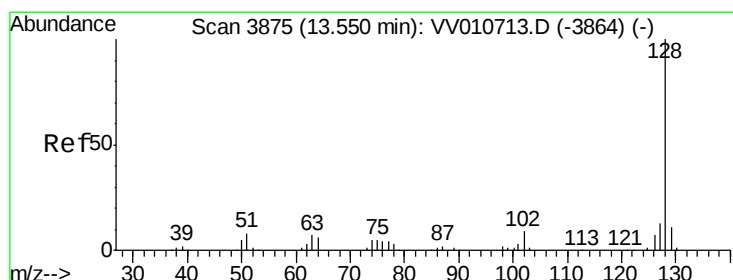
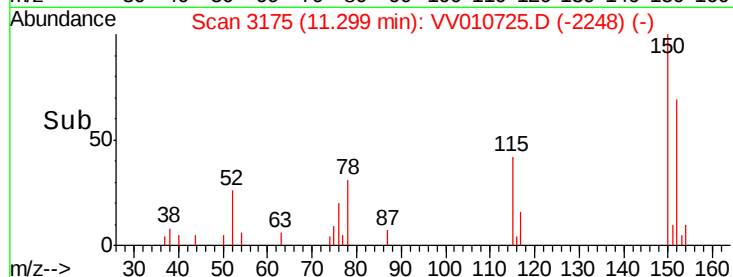
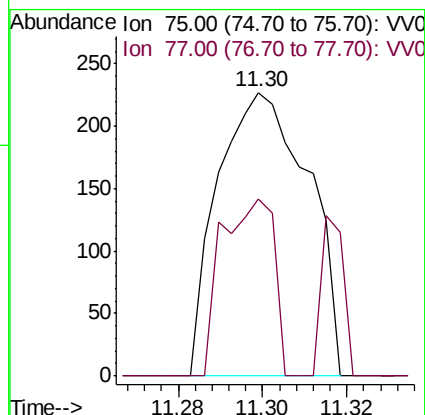
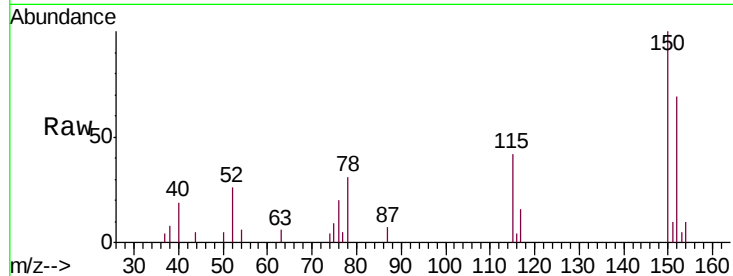




#59
 1,2,3-Trichloropropane
 Concen: 2.286 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV010725.D
 Acq: 08 May 2019 11:59

Instrument :
 MSVOA_V
 ClientSampleId :
 A5160

Tgt Ion: 75 Resp: 339
 Ion Ratio Lower Upper
 75 100
 77 22.7 25.0 37.6#



#69
 Naphthalene
 Concen: 1.052 ug/L
 RT: 13.57 min Scan# 3880
 Delta R.T. 0.02 min
 Lab File: VV010725.D
 Acq: 08 May 2019 11:59

Tgt Ion: 128 Resp: 268
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.3 12.5#
 127 0.0 10.8 16.2#

