

Data File : VV009676.D
Acq On : 14 Mar 2019 19:51
Operator : SY/MD
Sample : K1885-13
Misc : 6.22G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF197

Quant Time: Mar 15 04:35:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 04:30:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112782	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109237	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44511	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37755	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.72%
7) Chloroethane-d5	1.57	69	36125	20.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.20%
10) 1,1-Dichloroethene-d2	2.13	63	76155	19.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.16%
20) 2-Butanone-d5	3.93	46	24098	63.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.58%
24) Chloroform-d	4.40	84	70128	24.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.08	65	47397	29.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.52%
29) Benzene-d6	5.10	84	153825	26.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.40%
33) 1,2-Dichloropropane-d6	6.12	67	47280	28.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.96%
37) Toluene-d8	7.36	98	147185	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.20%
38) trans-1,3-Dichloropropene-	7.67	79	19382	25.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.76%
39) 2-Hexanone-d5	8.13	63	17841	57.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	45510	28.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	45704	26.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.04%

Target Compounds

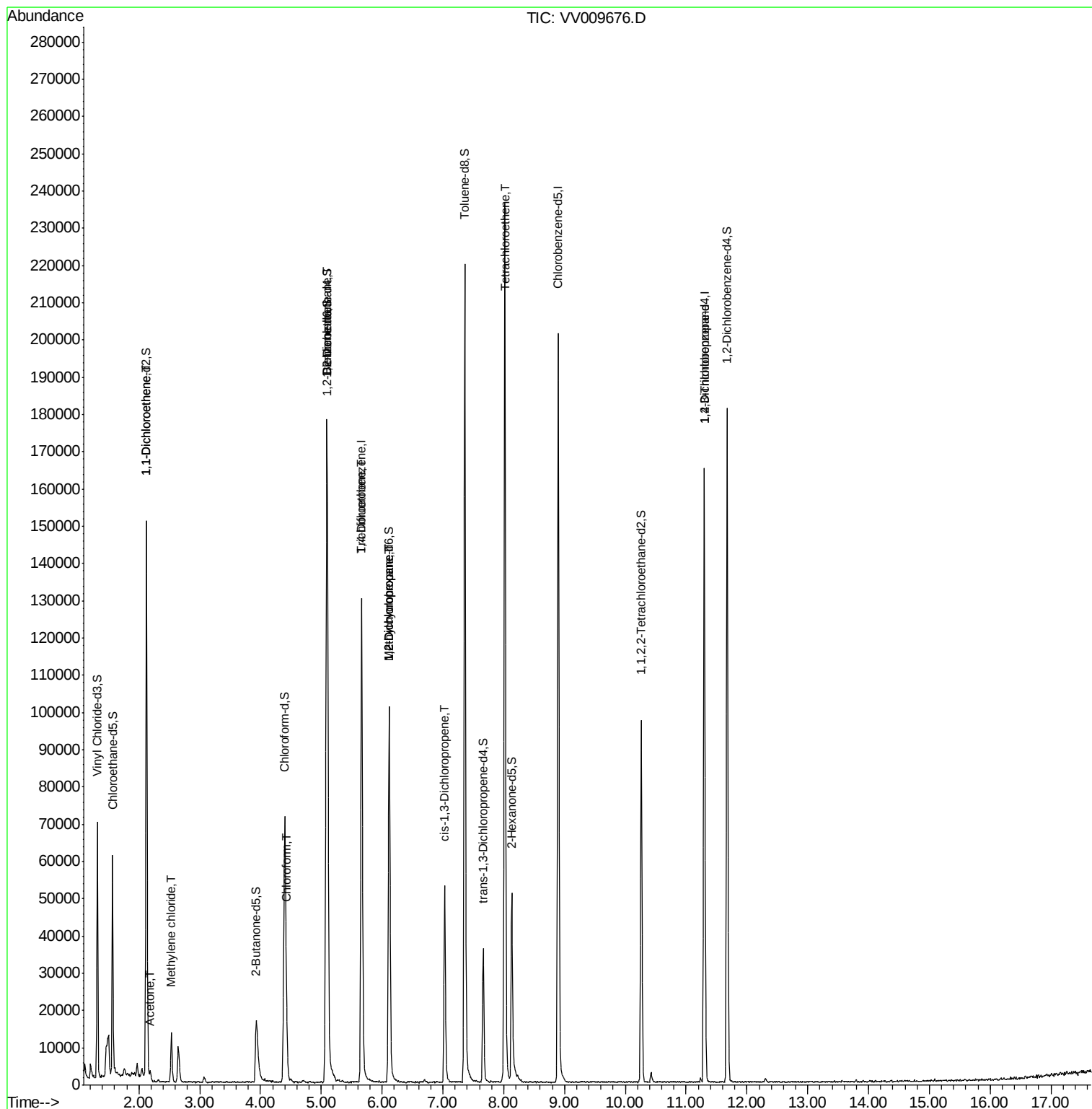
					Qvalue	
12) 1,1-Dichloroethene	2.13	96	779	0.461	ug/L #	1
13) Acetone	2.19	43	1198	2.631	ug/L	97
16) Methylene chloride	2.53	84	5226	3.183	ug/L	95
25) Chloroform	4.43	83	8485	2.896	ug/L	85
27) 1,2-Dichloroethane	5.11	62	879	0.434	ug/L #	75
35) Trichloroethene	5.67	95	3610	2.099	ug/L #	5
36) Methylcyclohexane	6.12	83	11498	4.027	ug/L #	21
40) 1,2-Dichloropropane	6.12	63	5645	3.752	ug/L #	88
42) cis-1,3-Dichloropropene	7.03	75	1716	0.751	ug/L #	75
47) Tetrachloroethene	8.02	164	48084	35.399	ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	6044	5.165	ug/L #	81

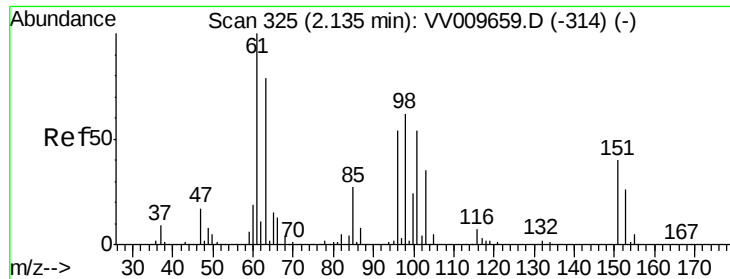
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.461 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009676.D

Acq: 14 Mar 2019 19:51

Instrument :

MSVOA_V

ClientSampled :

BF197

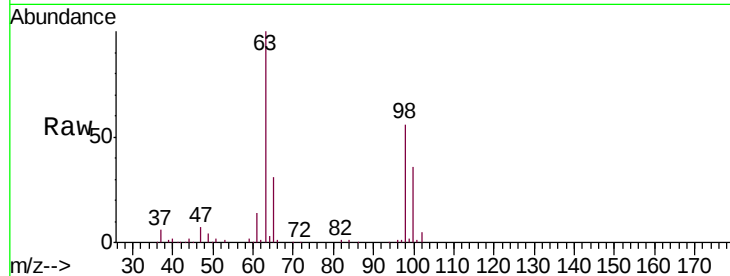
Tgt Ion: 96 Resp: 779

Ion Ratio Lower Upper

96 100

61 1377.0 128.4 238.5#

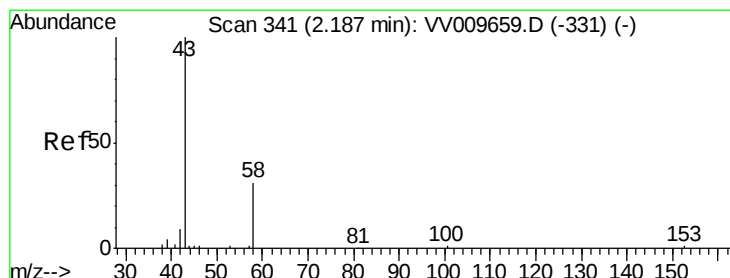
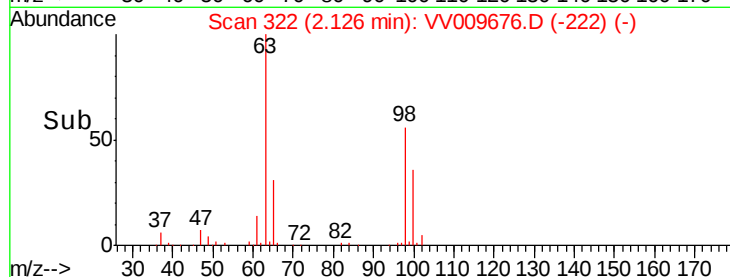
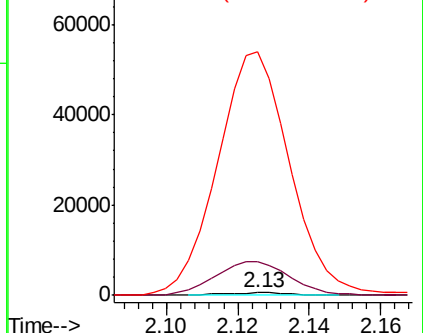
63 9768.1 100.7 186.9#



Abundance Ion 96.00 (95.70 to 96.70): VV009659.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009659.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009659.D (-314) (-)



#13

Acetone

Concen: 2.631 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009676.D

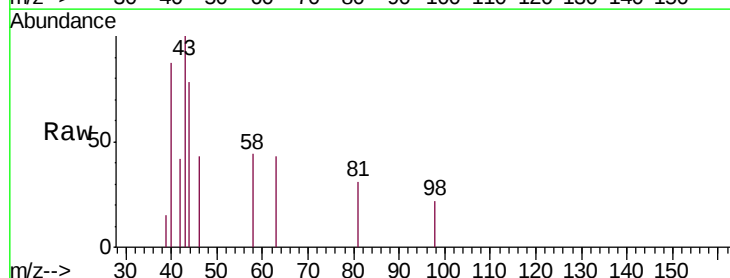
Acq: 14 Mar 2019 19:51

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

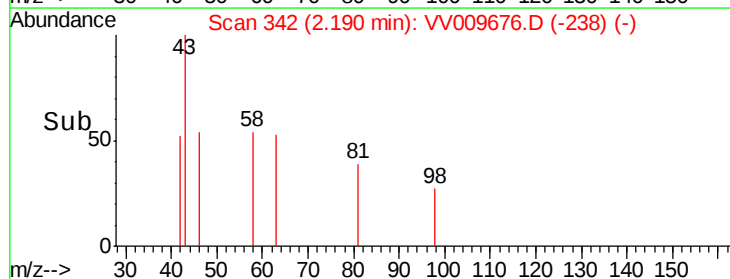
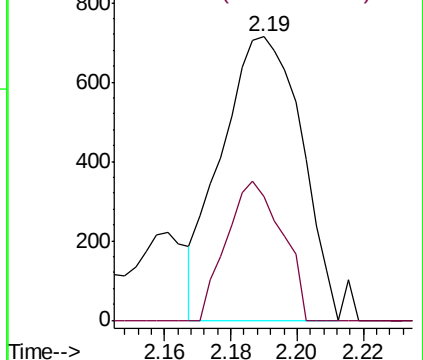
43 100

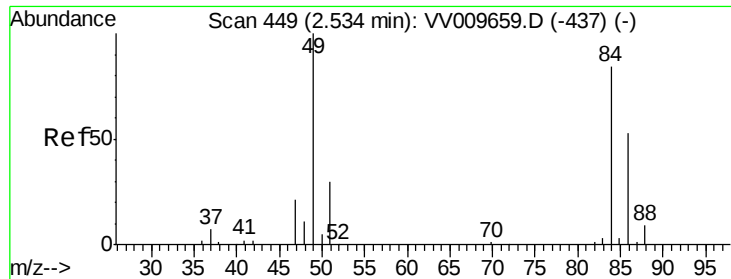
58 34.1 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VV009659.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009659.D (-331) (-)

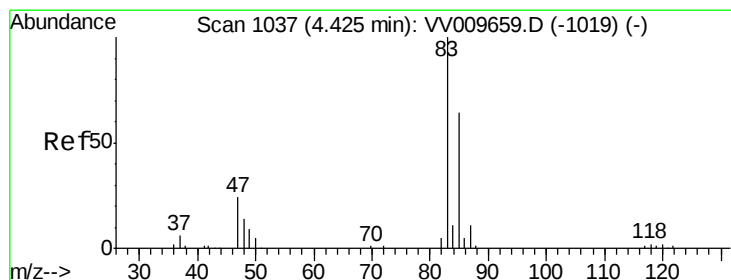
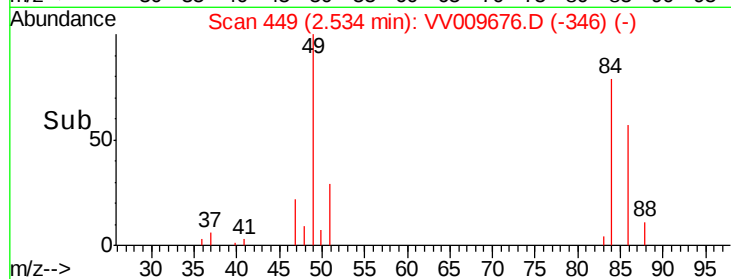
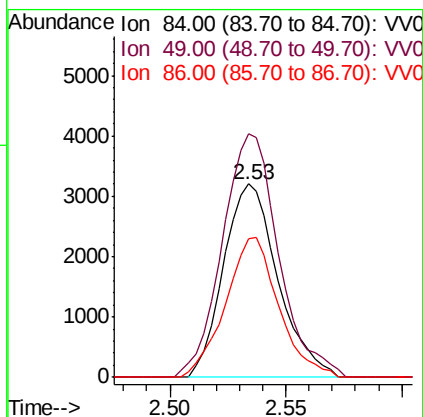
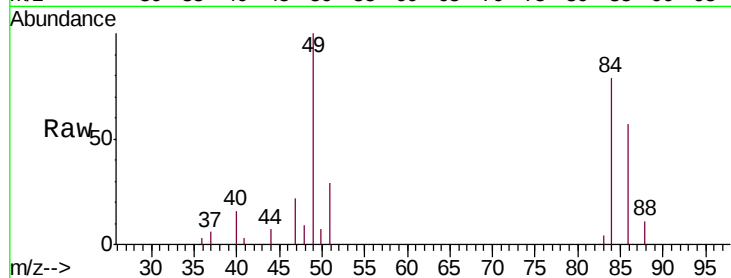




#16
Methylene chloride
Concen: 3.183 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009676.D
Acq: 14 Mar 2019 19:51

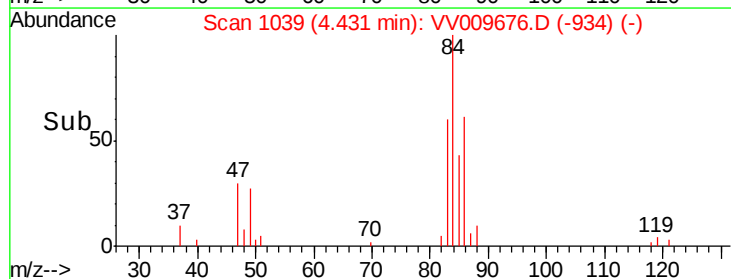
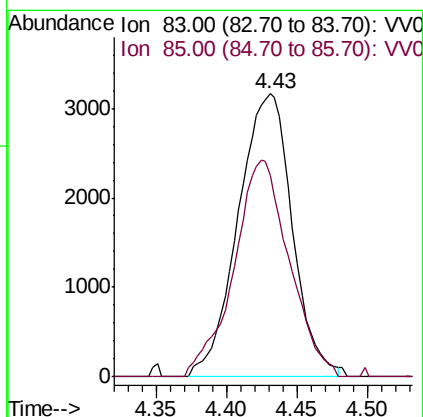
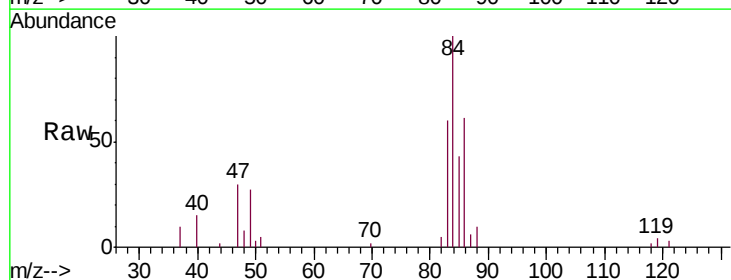
Instrument :
MSVOA_V
ClientSampled :
BF197

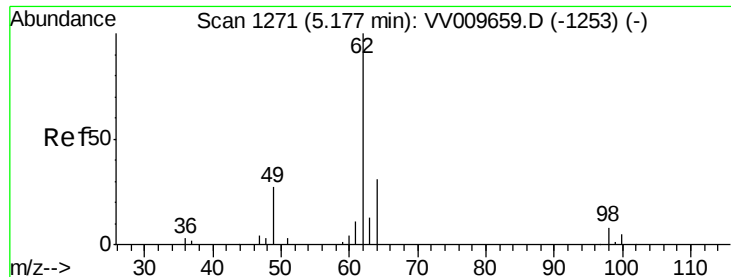
Tgt Ion: 84 Resp: 5226
Ion Ratio Lower Upper
84 100
49 125.9 86.1 159.9
86 71.9 45.2 84.0



#25
Chloroform
Concen: 2.896 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV009676.D
Acq: 14 Mar 2019 19:51

Tgt Ion: 83 Resp: 8485
Ion Ratio Lower Upper
83 100
85 78.2 46.4 86.2

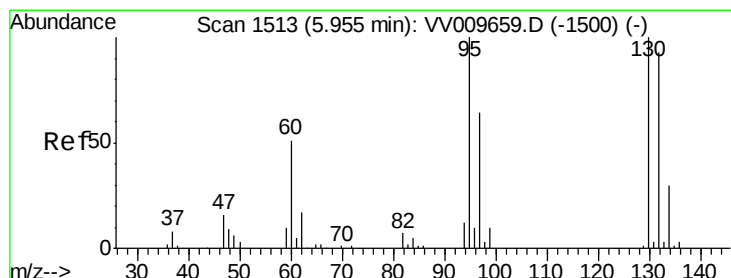
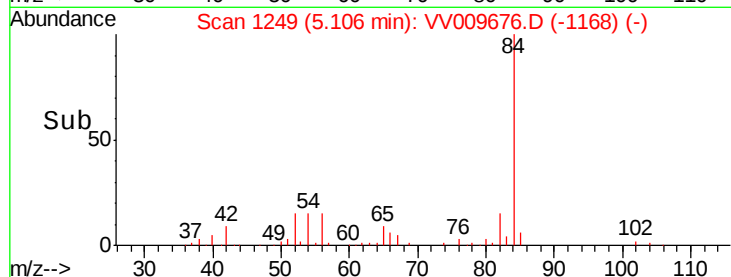
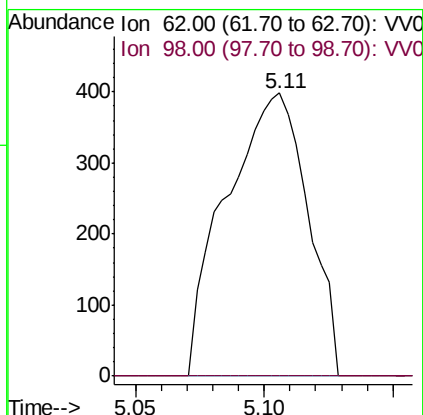
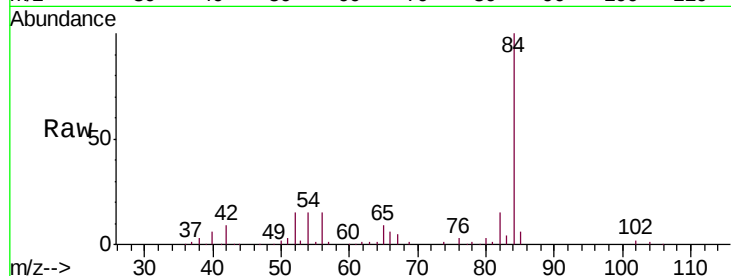




#27
 1,2-Dichloroethane
 Concen: 0.434 ug/L
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.07 min
 Lab File: VV009676.D
 Acq: 14 Mar 2019 19:51

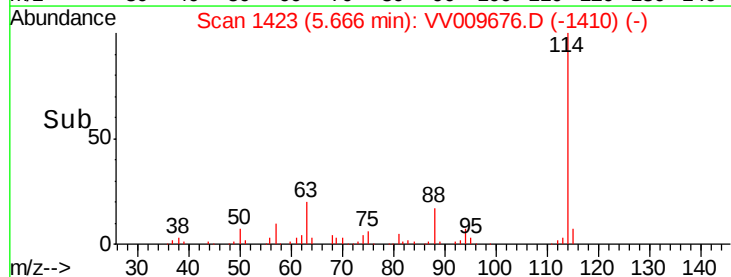
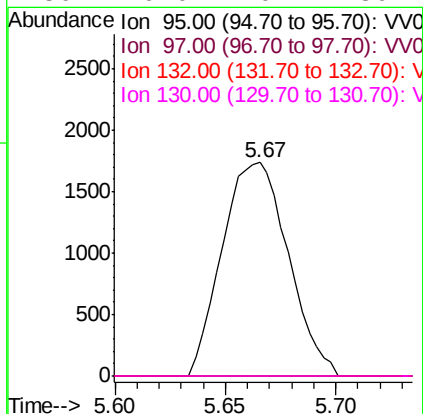
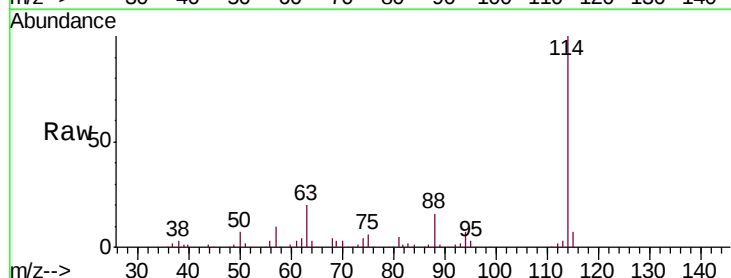
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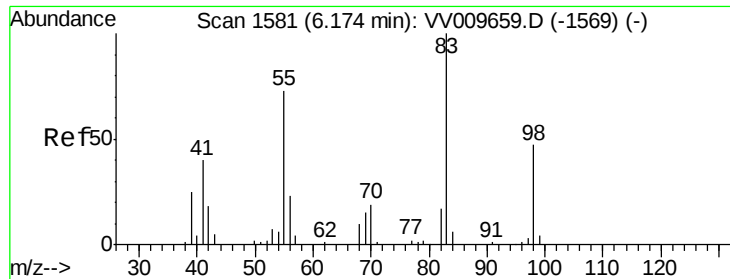
Tgt Ion: 62 Resp: 879
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#35
 Trichloroethene
 Concen: 2.099 ug/L
 RT: 5.67 min Scan# 1423
 Delta R.T. -0.29 min
 Lab File: VV009676.D
 Acq: 14 Mar 2019 19:51

Tgt Ion: 95 Resp: 3610
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.9 83.5#
 132 0.0 66.4 123.2#
 130 0.0 70.2 130.4#

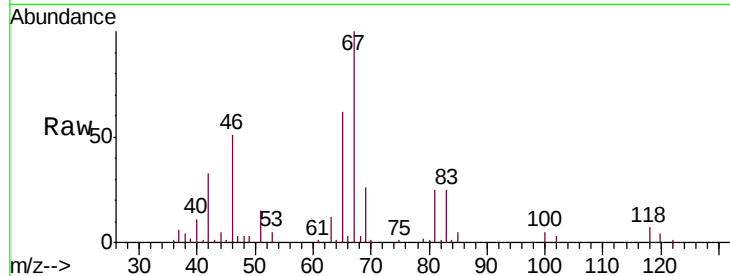




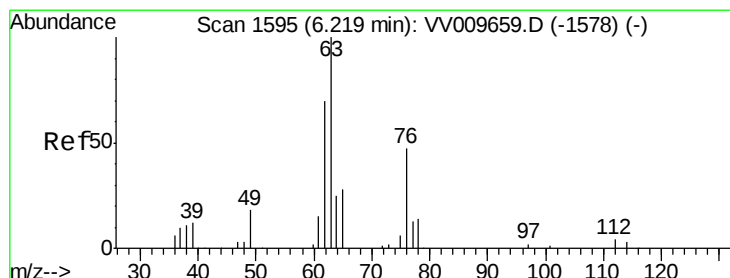
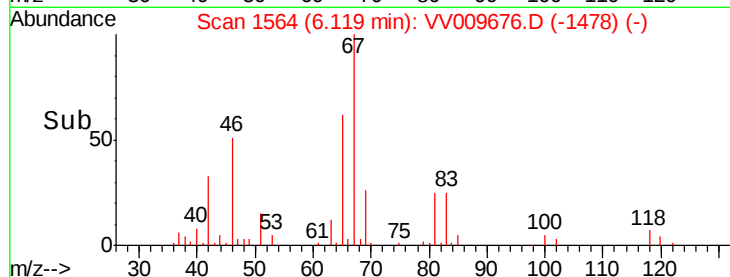
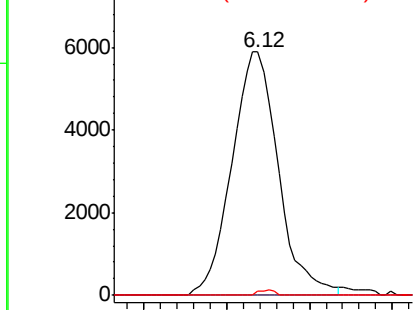
#36
Methylcyclohexane
Concen: 4.027 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009676.D
Acq: 14 Mar 2019 19:51

Instrument :
MSVOA_V
ClientSampleId :
BF197

Tgt Ion: 83 Resp: 11498
Ion Ratio Lower Upper
83 100
55 0.0 57.4 86.0#
98 0.8 37.1 55.7#

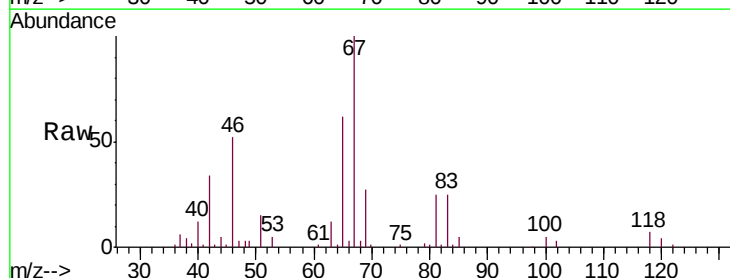


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

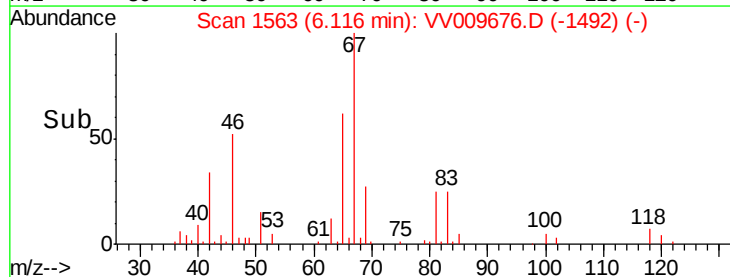
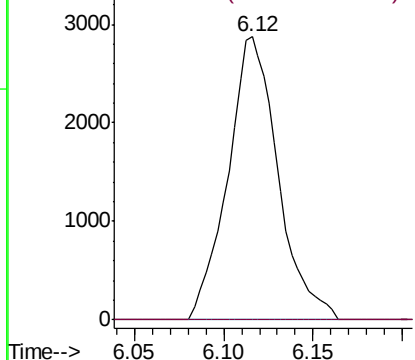


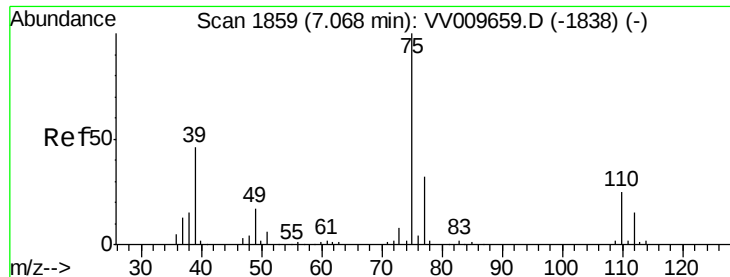
#40
1,2-Dichloropropane
Concen: 3.752 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV009676.D
Acq: 14 Mar 2019 19:51

Tgt Ion: 63 Resp: 5645
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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



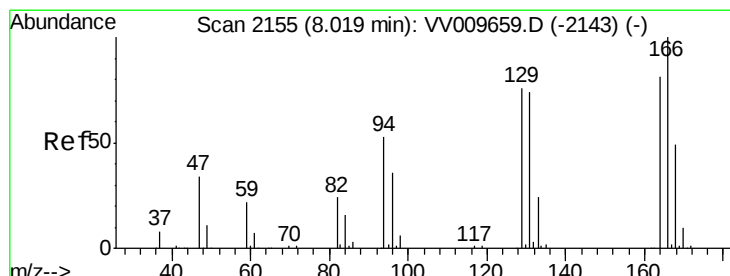
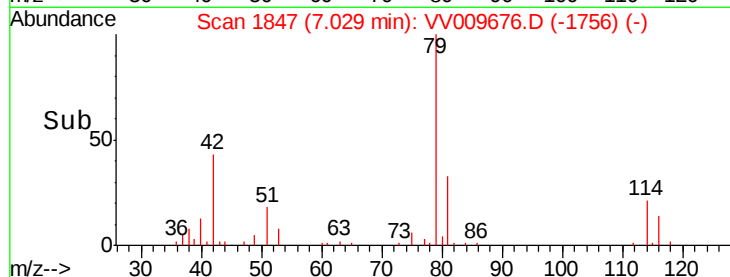
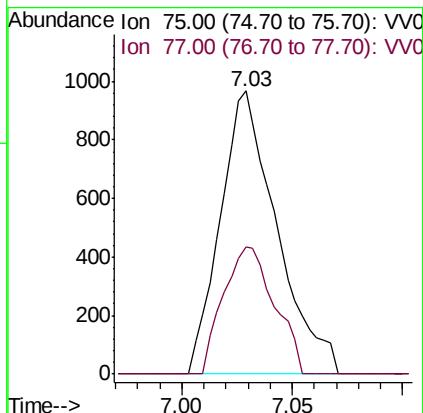
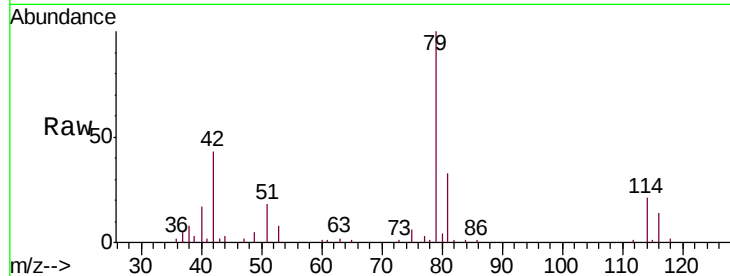


#42

cis-1,3-Dichloropropene
 Concen: 0.751 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009676.D
 Acq: 14 Mar 2019 19:51

Instrument :
 MSVOA_V
 ClientSampled :
 BF197

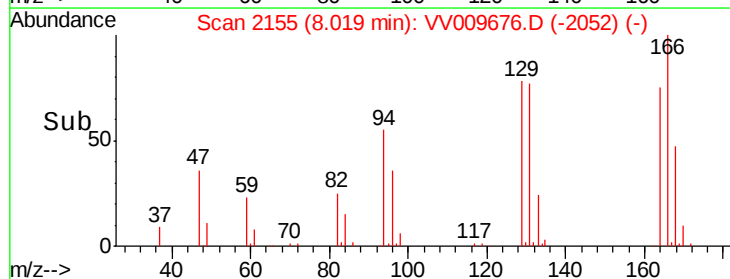
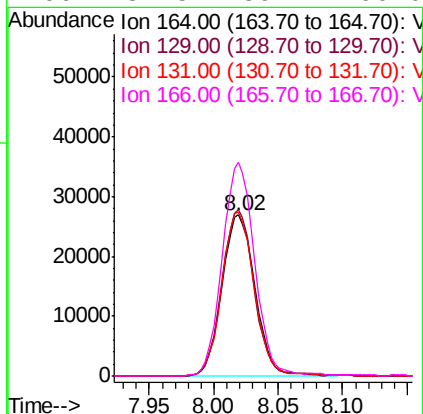
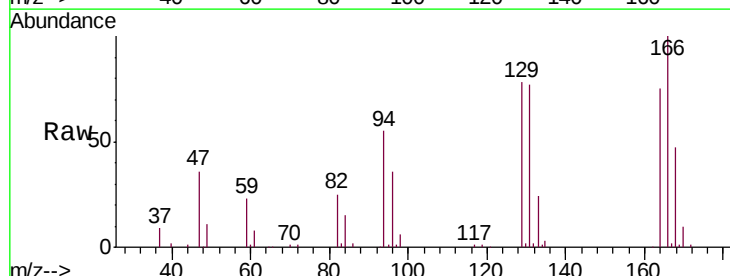
Tgt Ion: 75 Resp: 1716
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.0 40.8#

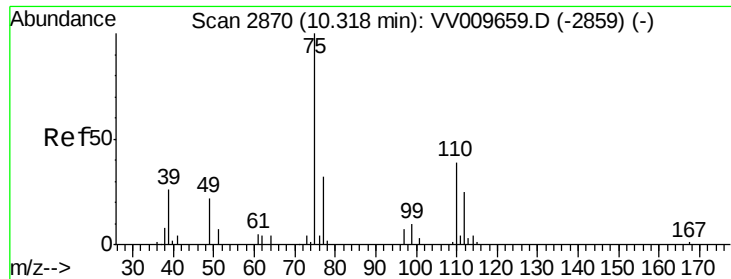


#47

Tetrachloroethene
 Concen: 35.399 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009676.D
 Acq: 14 Mar 2019 19:51

Tgt Ion: 164 Resp: 48084
 Ion Ratio Lower Upper
 164 100
 129 102.9 69.0 128.1
 131 102.0 65.7 122.1
 166 132.5 89.4 166.0





#59

1,2,3-Trichloropropane

Concen: 5.165 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009676.D

Acq: 14 Mar 2019 19:51

Instrument :

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ClientSampleId :

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Tgt Ion: 75 Resp: 6044

Ion Ratio Lower Upper

75 100

77 42.3 25.3 37.9#

