

Data File : VV009675.D
Acq On : 14 Mar 2019 19:24
Operator : SY/MD
Sample : K1885-12
Misc : 6.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF196

Quant Time: Mar 15 04:34:52 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	125894	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122912	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49797	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36997	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
7) Chloroethane-d5	1.56	69	39311	19.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.16%
10) 1,1-Dichloroethene-d2	2.12	63	79635	18.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.20%
20) 2-Butanone-d5	4.10	46	194	0.46	ug/L	0.17
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.92%#
24) Chloroform-d	4.40	84	70806	22.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.24%
26) 1,2-Dichloroethane-d4	5.08	65	50026	27.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.20%
29) Benzene-d6	5.10	84	157641	24.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.80%
33) 1,2-Dichloropropane-d6	6.12	67	47695	25.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.28%
37) Toluene-d8	7.36	98	148583	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	7.66	79	20072	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.76%
39) 2-Hexanone-d5	8.13	63	18633	53.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47013	26.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.44%
61) 1,2-Dichlorobenzene-d4	11.68	152	47180	24.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.84%

Target Compounds

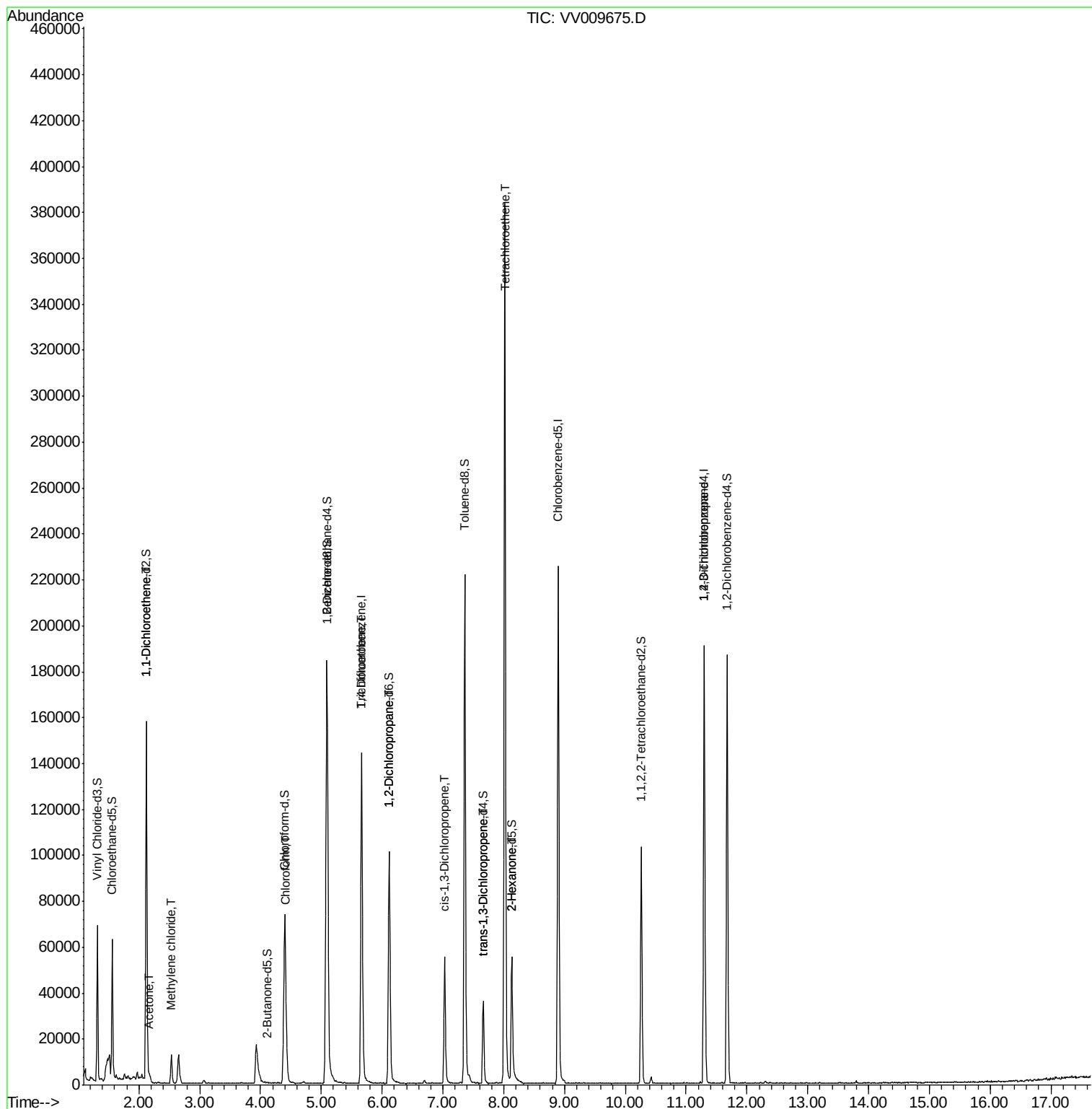
					Qvalue
12) 1,1-Dichloroethene	2.12	96	850	0.450 ug/L #	1
13) Acetone	2.18	43	372	0.732 ug/L #	1
16) Methylene chloride	2.53	84	5119	2.793 ug/L	91
25) Chloroform	4.42	83	8699	2.659 ug/L	90
35) Trichloroethene	5.66	95	3629	1.876 ug/L #	5
40) 1,2-Dichloropropane	6.12	63	5917	3.495 ug/L #	88
42) cis-1,3-Dichloropropene	7.03	75	1725	0.671 ug/L #	61
45) trans-1,3-Dichloropropene	7.67	75	1114	0.502 ug/L	99
47) Tetrachloroethene	8.02	164	78232	51.186 ug/L	96
49) 2-Hexanone	8.13	43	2852	3.280 ug/L #	64
59) 1,2,3-Trichloropropane	11.30	75	7328	5.566 ug/L #	82

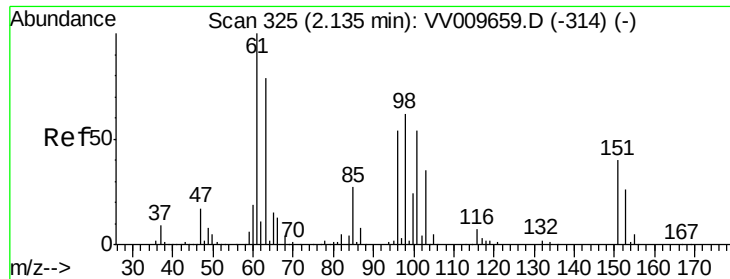
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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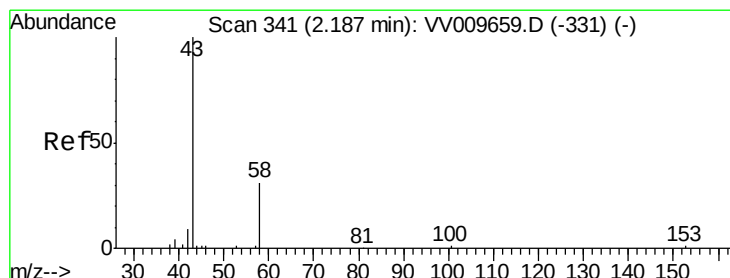
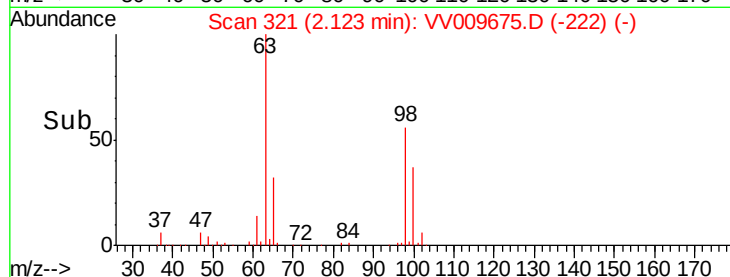
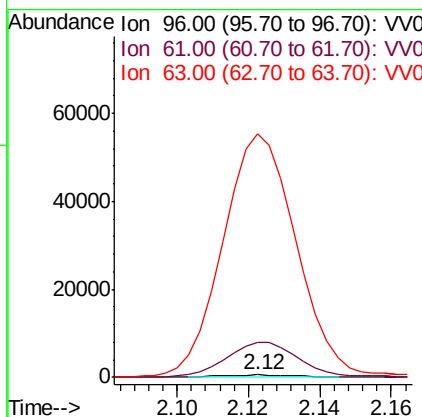
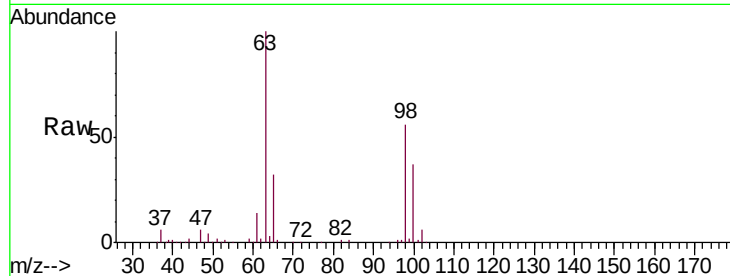




#12
 1,1-Dichloroethene
 Concen: 0.450 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV009675.D
 Acq: 14 Mar 2019 19:24

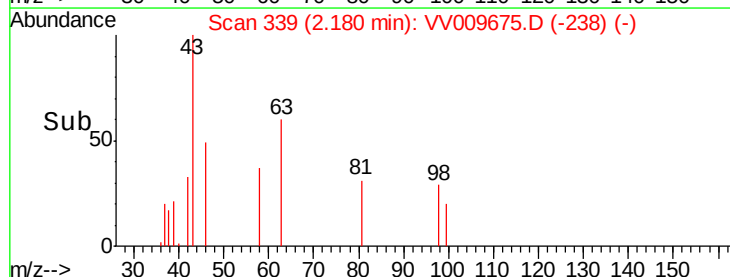
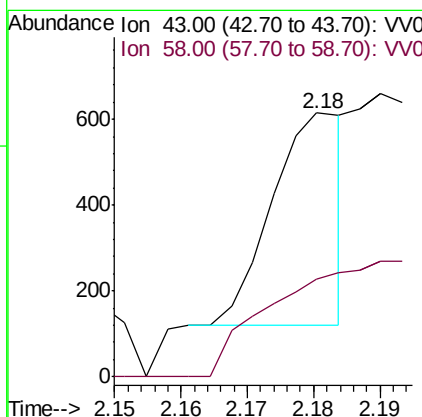
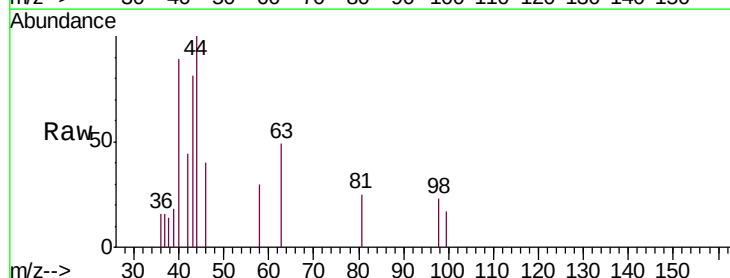
Instrument :
 MSVOA_V
 ClientSampled :
 BF196

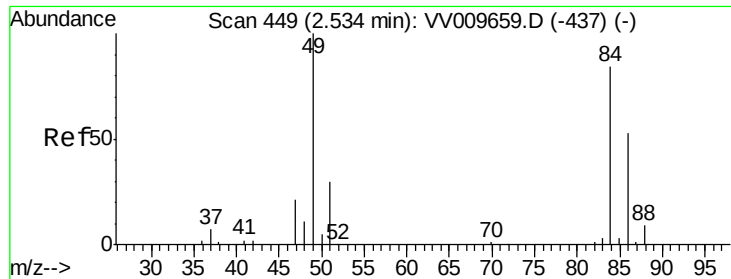
Tgt Ion: 96 Resp: 850
 Ion Ratio Lower Upper
 96 100
 61 1478.6 128.4 238.5#
 63 10307.6 100.7 186.9#



#13
 Acetone
 Concen: 0.732 ug/L
 RT: 2.18 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VV009675.D
 Acq: 14 Mar 2019 19:24

Tgt Ion: 43 Resp: 372
 Ion Ratio Lower Upper
 43 100
 58 122.6 0.0 64.8#

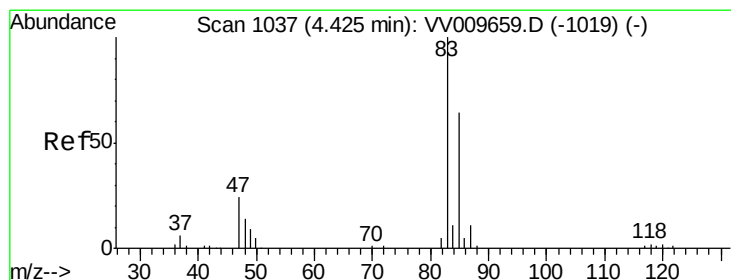
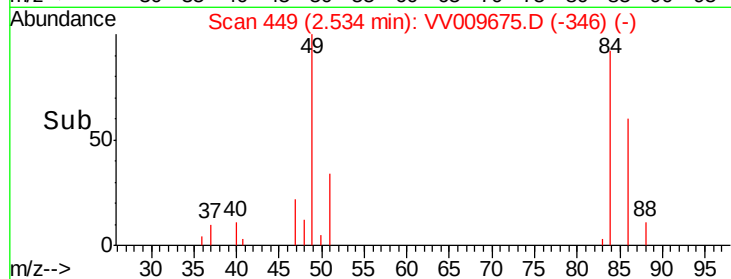
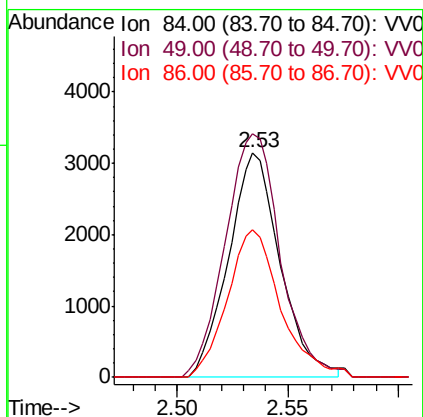
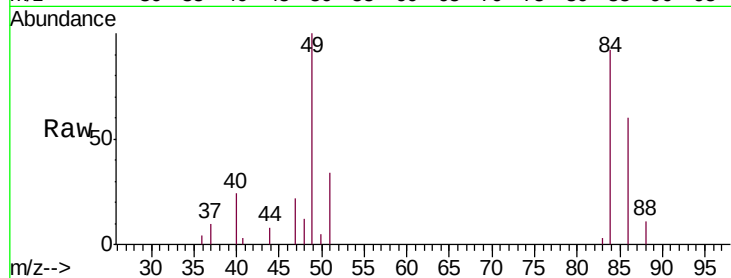




#16
Methylene chloride
Concen: 2.793 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009675.D
Acq: 14 Mar 2019 19:24

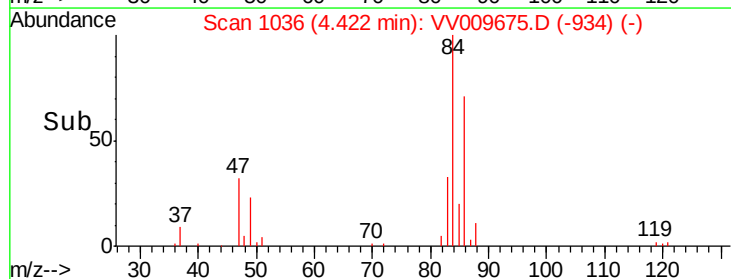
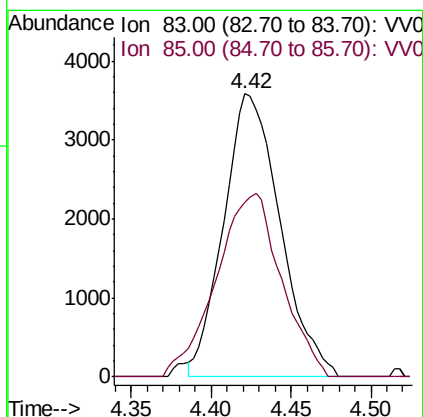
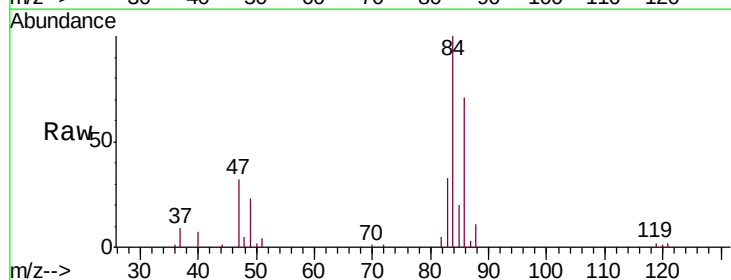
Instrument :
MSVOA_V
ClientSampleId :
BF196

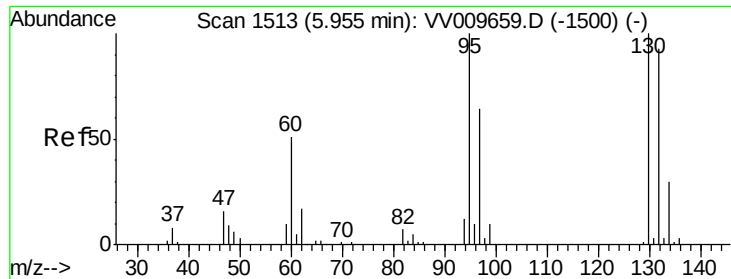
Tgt Ion: 84 Resp: 5119
Ion Ratio Lower Upper
84 100
49 108.3 86.1 159.9
86 65.5 45.2 84.0



#25
Chloroform
Concen: 2.659 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009675.D
Acq: 14 Mar 2019 19:24

Tgt Ion: 83 Resp: 8699
Ion Ratio Lower Upper
83 100
85 74.5 46.4 86.2

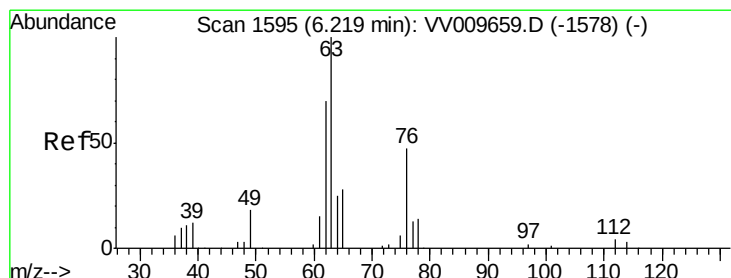
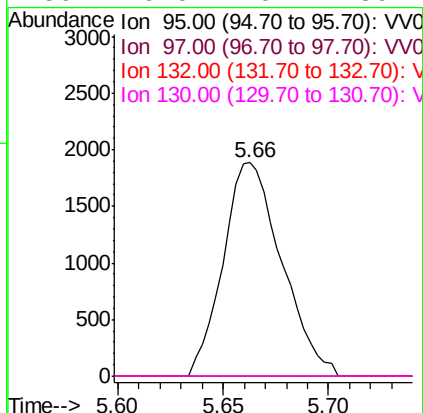
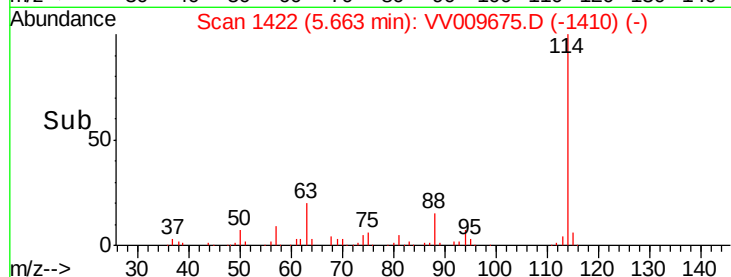
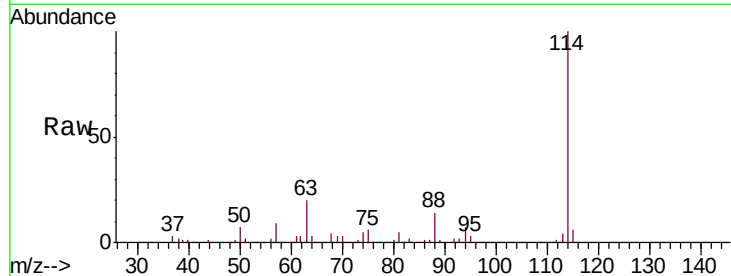




#35
 Trichloroethene
 Concen: 1.876 ug/L
 RT: 5.66 min Scan# 1422
 Delta R.T. -0.29 min
 Lab File: VV009675.D
 Acq: 14 Mar 2019 19:24

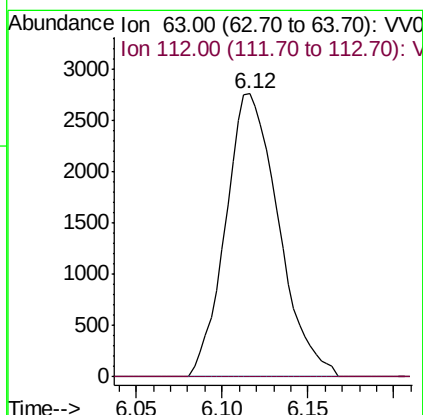
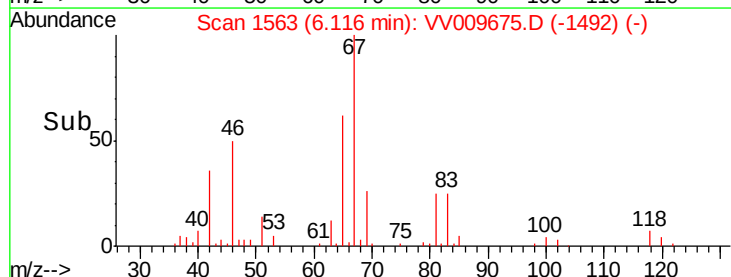
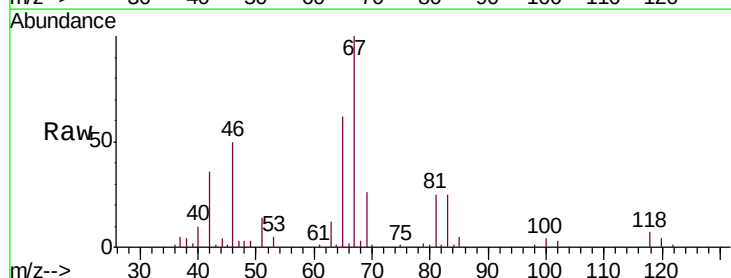
Instrument :
 MSVOA_V
 ClientSampleId :
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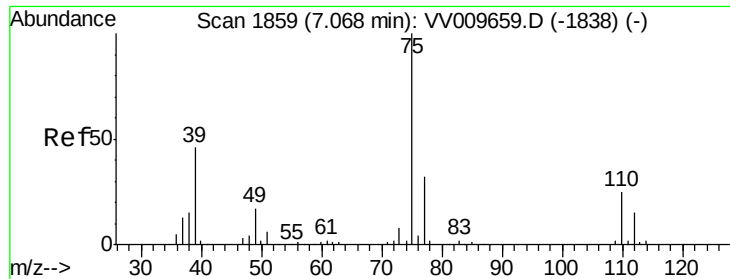
Tgt Ion: 95 Resp: 3629
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.9 83.5#
 132 0.0 66.4 123.2#
 130 0.0 70.2 130.4#



#40
 1,2-Dichloropropane
 Concen: 3.495 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009675.D
 Acq: 14 Mar 2019 19:24

Tgt Ion: 63 Resp: 5917
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



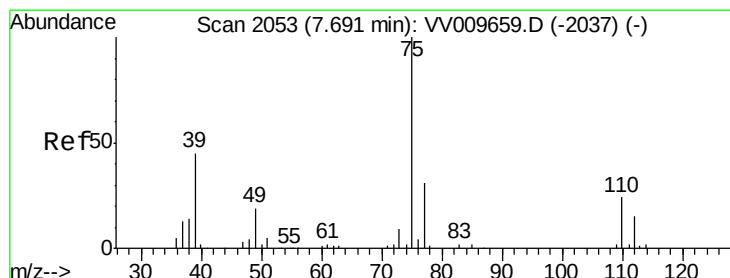
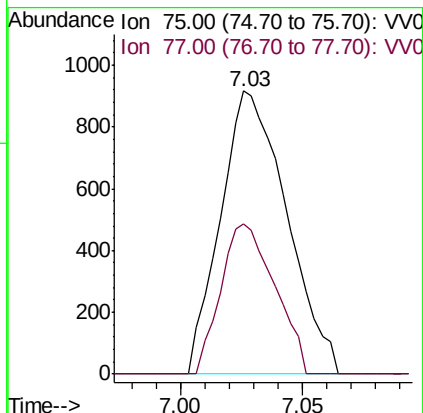
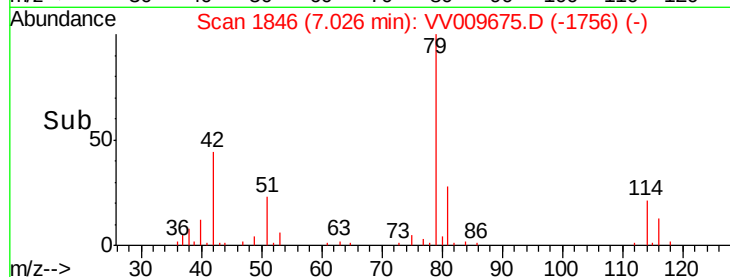
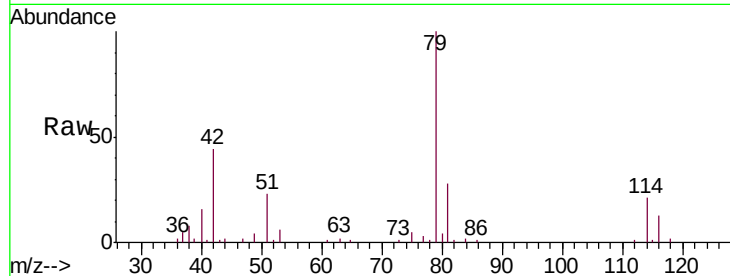


#42

cis-1,3-Dichloropropene
Concen: 0.671 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV009675.D
Acq: 14 Mar 2019 19:24

Instrument :
MSVOA_V
ClientSampled :
BF196

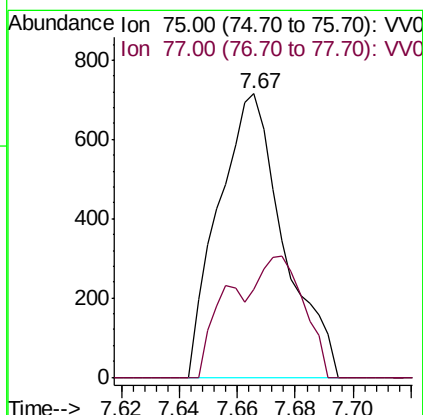
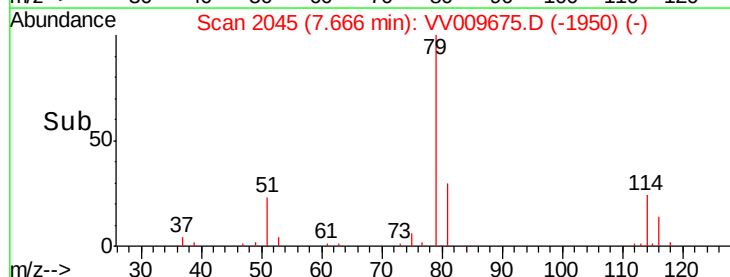
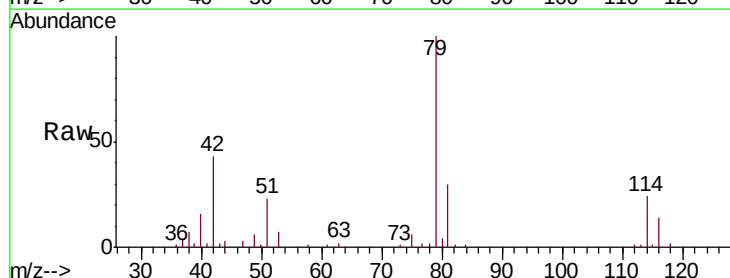
Tgt Ion: 75 Resp: 1725
Ion Ratio Lower Upper
75 100
77 53.2 22.0 40.8#

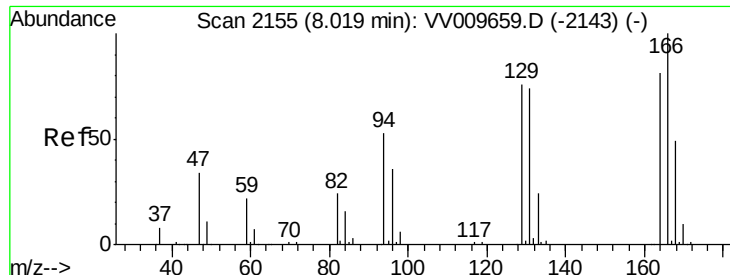


#45

trans-1,3-Dichloropropene
Concen: 0.502 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009675.D
Acq: 14 Mar 2019 19:24

Tgt Ion: 75 Resp: 1114
Ion Ratio Lower Upper
75 100
77 30.9 22.0 40.8





#47

Tetrachloroethene

Concen: 51.186 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009675.D

Acq: 14 Mar 2019 19:24

Instrument :

MSVOA_V

ClientSampleId :

BF196

Tgt Ion:164 Resp: 78232

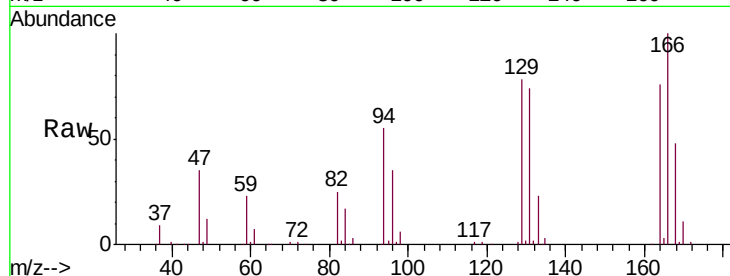
Ion Ratio Lower Upper

164 100

129 103.2 69.0 128.1

131 97.0 65.7 122.1

166 131.5 89.4 166.0

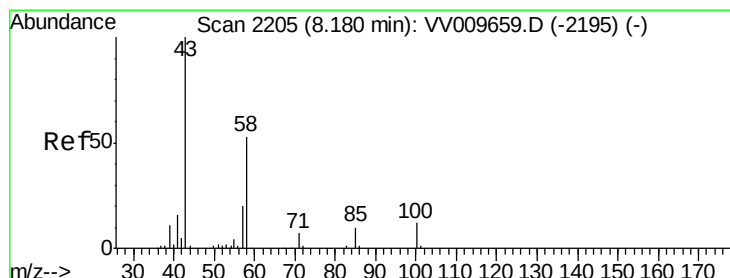
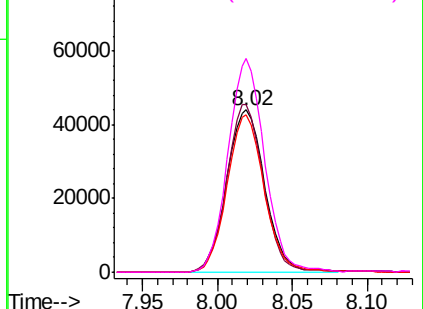
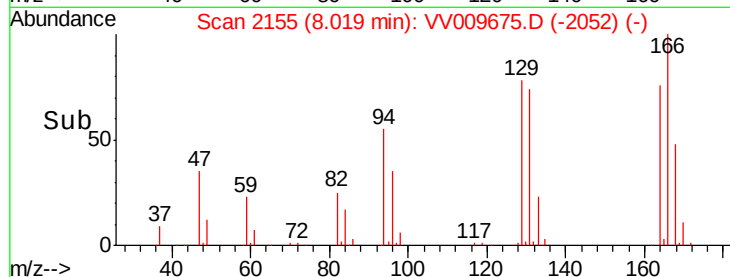


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 3.280 ug/L

RT: 8.13 min Scan# 2189

Delta R.T. -0.05 min

Lab File: VV009675.D

Acq: 14 Mar 2019 19:24

Tgt Ion: 43 Resp: 2852

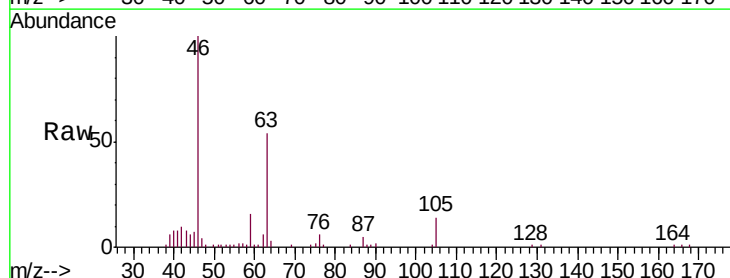
Ion Ratio Lower Upper

43 100

58 21.1 44.9 67.3#

57 19.7 14.5 21.7

100 0.0 9.3 13.9#

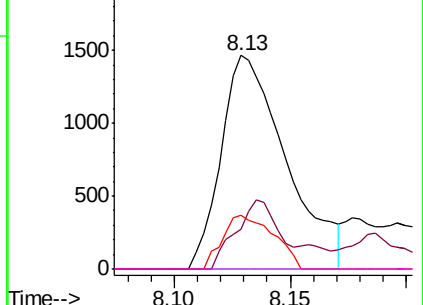
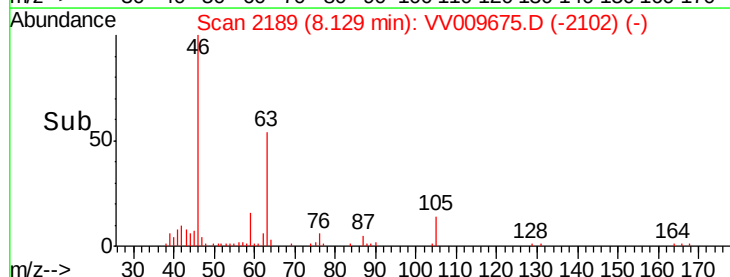


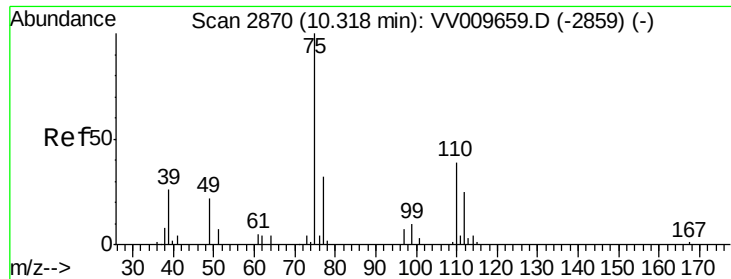
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.566 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009675.D

Acq: 14 Mar 2019 19:24

Instrument :

MSVOA_V

ClientSampleId :

BF196

Tgt Ion: 75 Resp: 7328

Ion Ratio Lower Upper

75 100

77 41.8 25.3 37.9#

