

Data File : VV009662.D
Acq On : 14 Mar 2019 13:41
Operator : SY/MD
Sample : K1838-17
Misc : 5.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF179

Quant Time: Mar 15 04:32:52 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	108276	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	103026	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44738	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18790	13.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.28%
7) Chloroethane-d5	1.57	69	21985	12.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.48%
10) 1,1-Dichloroethene-d2	2.13	63	41373	11.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.20%#
20) 2-Butanone-d5	3.93	46	21744	59.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.92%
24) Chloroform-d	4.40	84	49174	17.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.24%
26) 1,2-Dichloroethane-d4	5.08	65	34352	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.96%
29) Benzene-d6	5.10	84	100500	18.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.40%
33) 1,2-Dichloropropane-d6	6.12	67	33270	21.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.28%
37) Toluene-d8	7.36	98	91353	17.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.88%
38) trans-1,3-Dichloropropene-	7.66	79	13630	18.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.12%
39) 2-Hexanone-d5	8.13	63	15115	51.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	36318	24.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.16%
61) 1,2-Dichlorobenzene-d4	11.68	152	36824	21.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.00%

Target Compounds

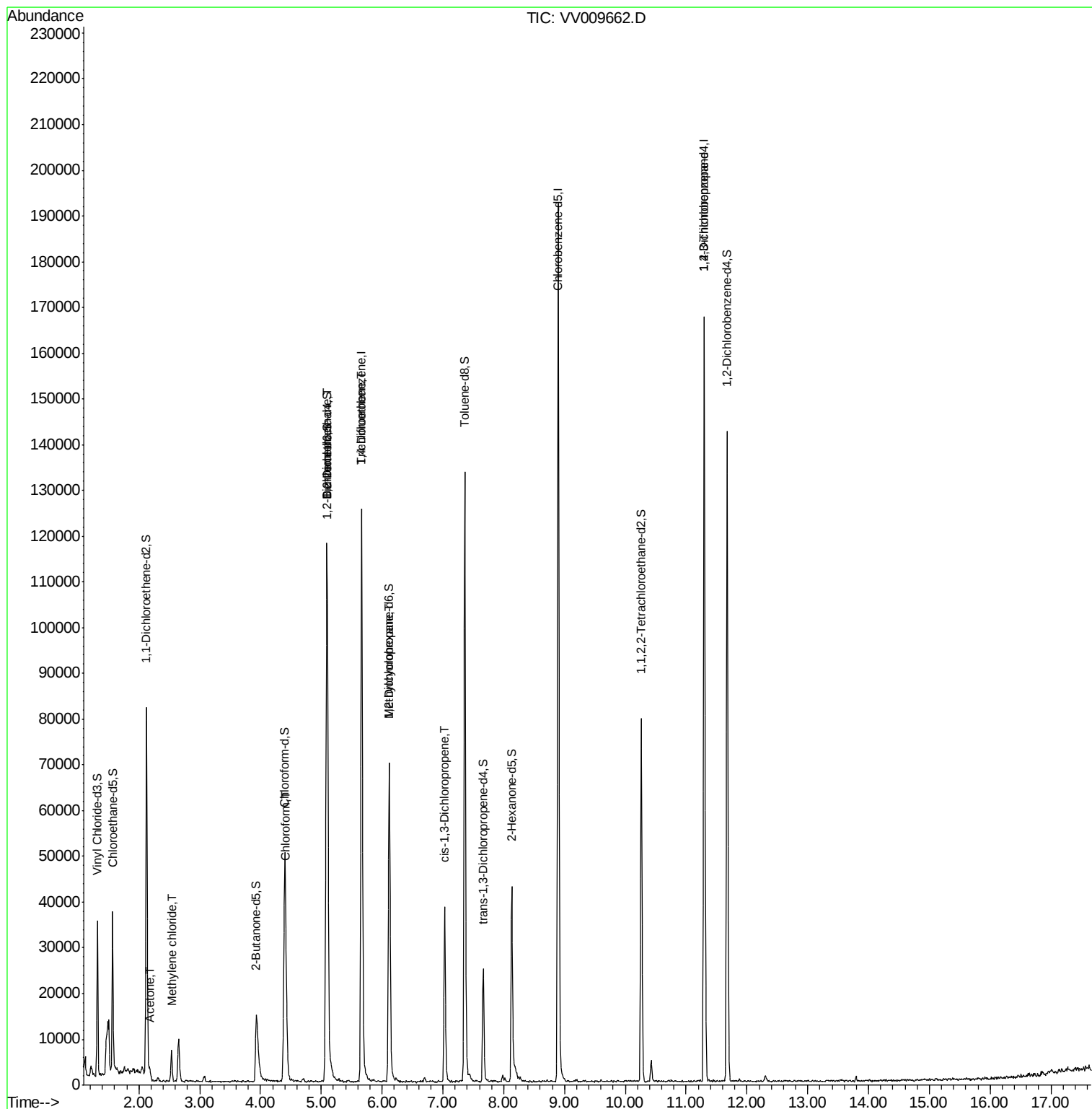
					Qvalue
13) Acetone	2.18	43	1081	2.473 ug/L	71
16) Methylene chloride	2.54	84	2743	1.740 ug/L	89
25) Chloroform	4.42	83	7659	2.722 ug/L	91
27) 1,2-Dichloroethane	5.11	62	647	0.333 ug/L #	75
35) Trichloroethene	5.67	95	3140	1.936 ug/L #	5
36) Methylcyclohexane	6.12	83	7595	2.820 ug/L #	20
42) cis-1,3-Dichloropropene	7.03	75	1251	0.581 ug/L	85
59) 1,2,3-Trichloropropane	11.30	75	6475	5.867 ug/L	89

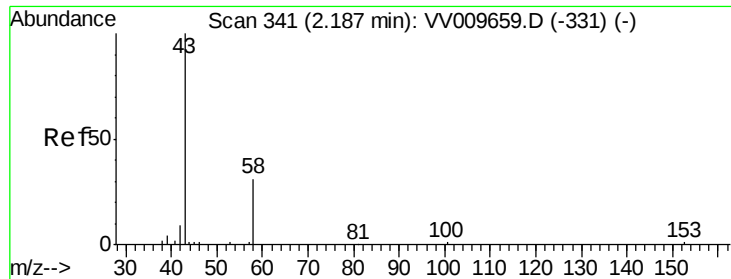
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.473 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV009662.D

Acq: 14 Mar 2019 13:41

Instrument :

MSVOA_V

ClientSampled :

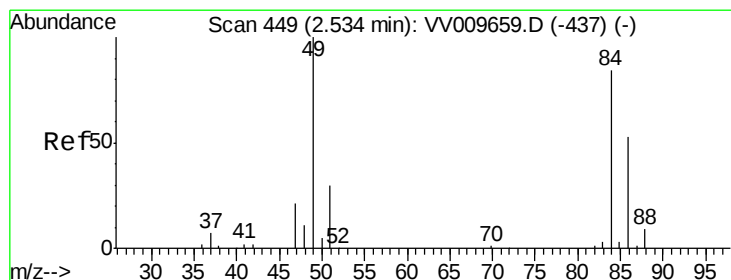
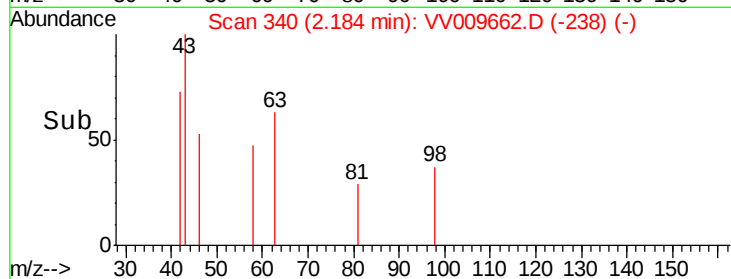
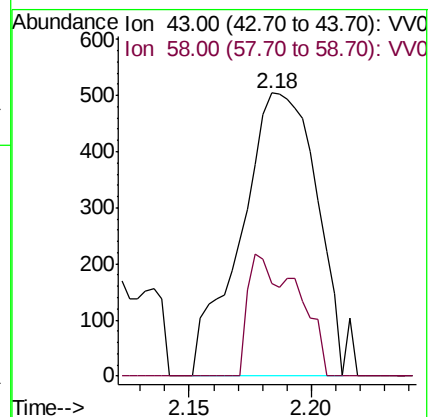
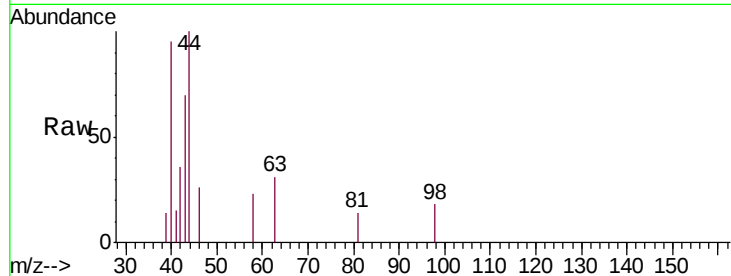
BF179

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

58 16.1 0.0 64.8



#16

Methylene chloride

Concen: 1.740 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009662.D

Acq: 14 Mar 2019 13:41

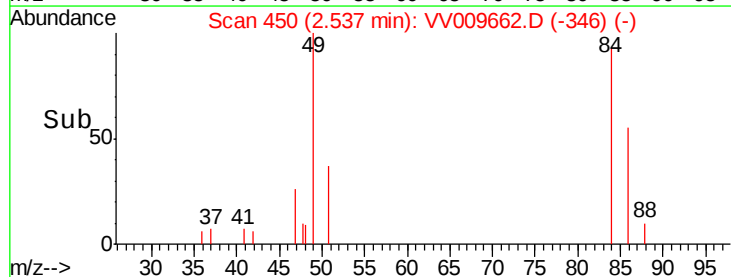
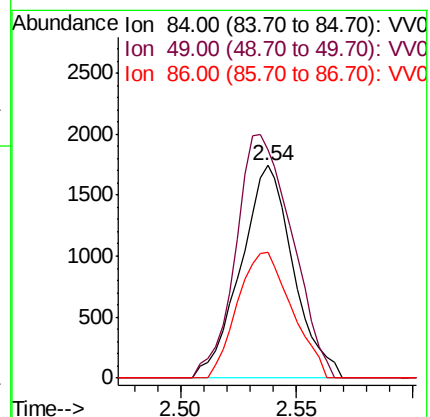
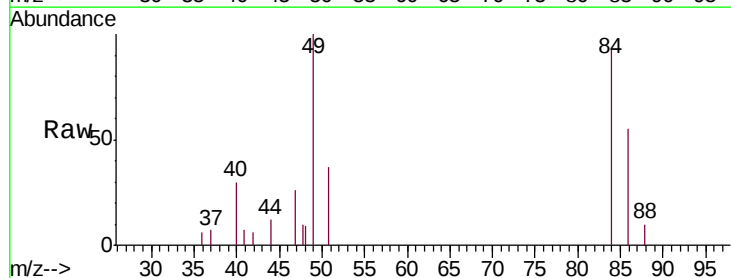
Tgt Ion: 84 Resp: 2743

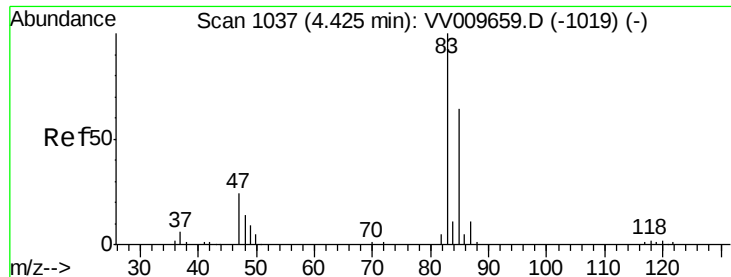
Ion Ratio Lower Upper

84 100

49 107.4 86.1 159.9

86 59.4 45.2 84.0

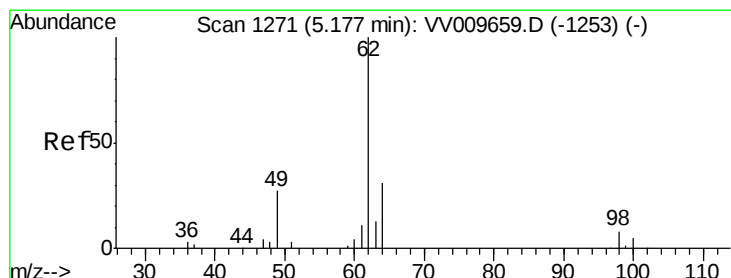
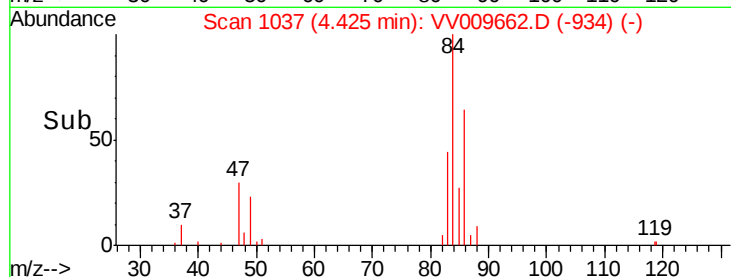
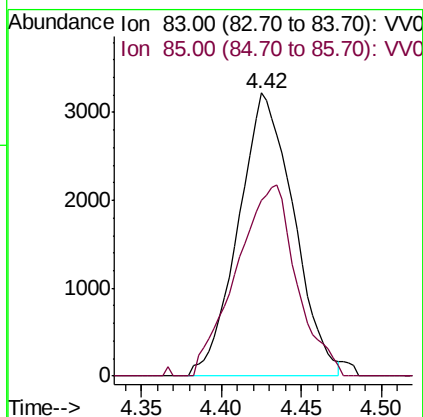
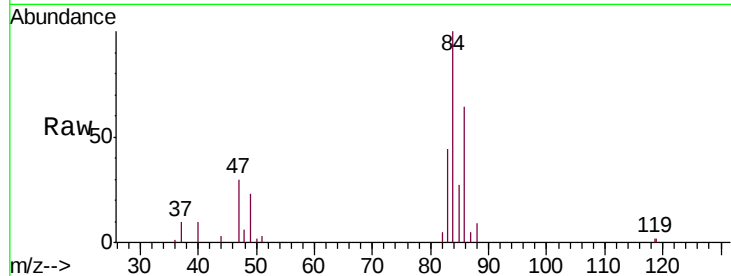




#25
Chloroform
Concen: 2.722 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009662.D
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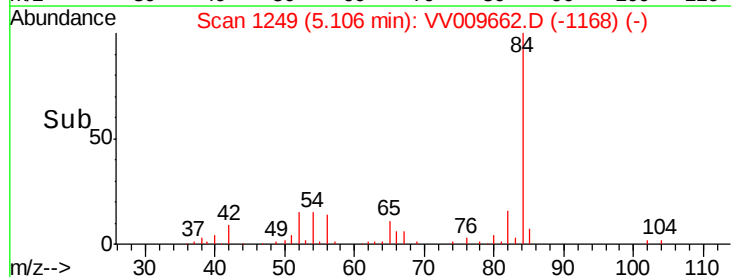
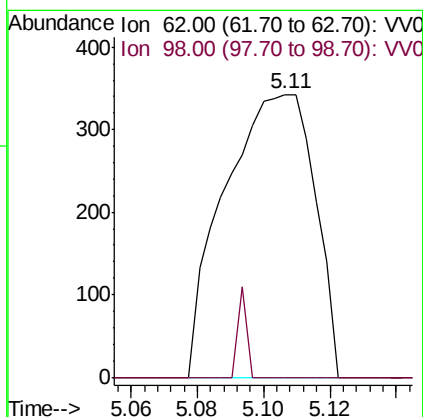
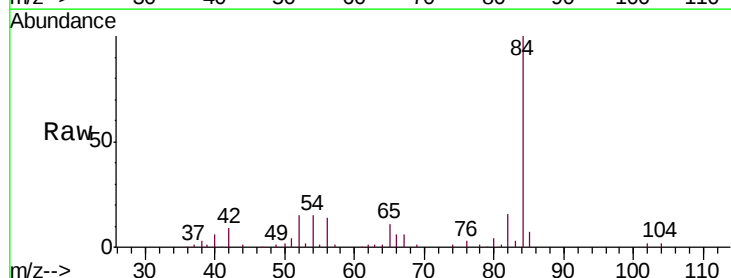
Instrument :
MSVOA_V
ClientSampleId :
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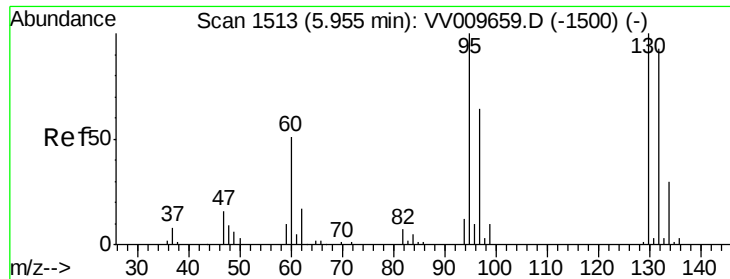
Tgt Ion: 83 Resp: 7659
Ion Ratio Lower Upper
83 100
85 73.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 0.333 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.07 min
Lab File: VV009662.D
Acq: 14 Mar 2019 13:41

Tgt Ion: 62 Resp: 647
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#35

Trichloroethene

Concen: 1.936 ug/L

RT: 5.67 min Scan# 1424

Delta R.T. -0.29 min

Lab File: VV009662.D

Acq: 14 Mar 2019 13:41

Instrument :

MSVOA_V

ClientSampleId :

BF179

Tgt Ion: 95 Resp: 3140

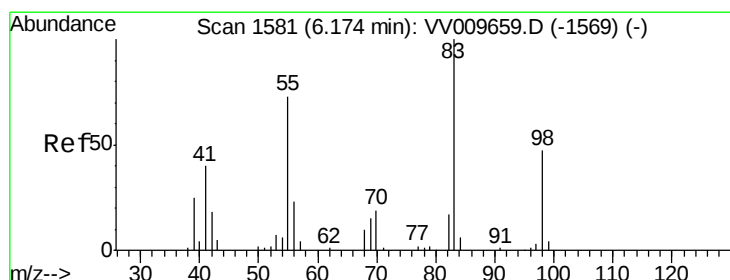
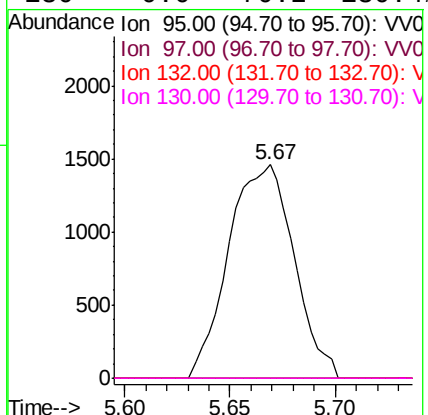
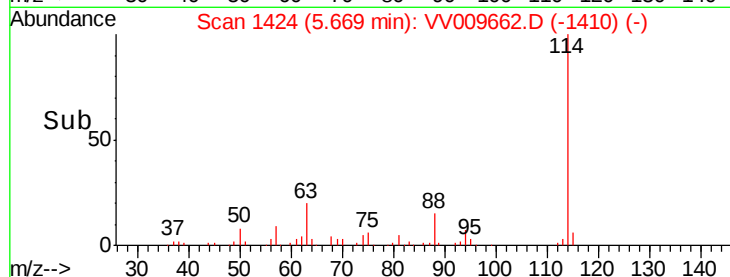
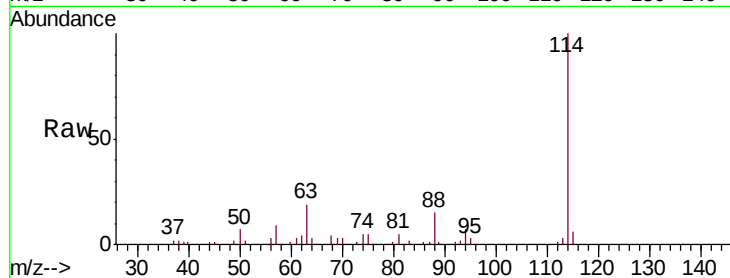
Ion Ratio Lower Upper

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: 2.820 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009662.D

Acq: 14 Mar 2019 13:41

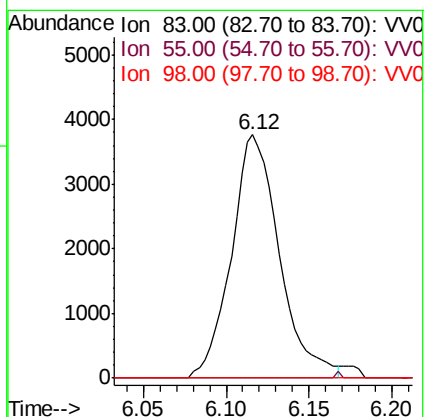
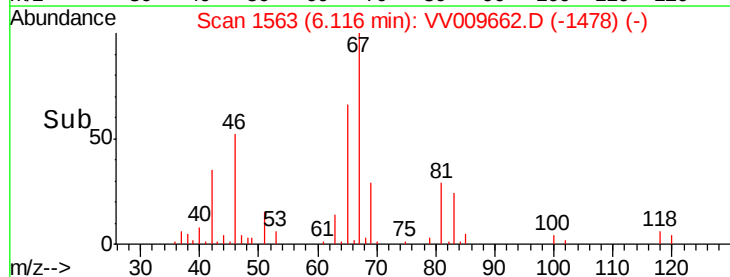
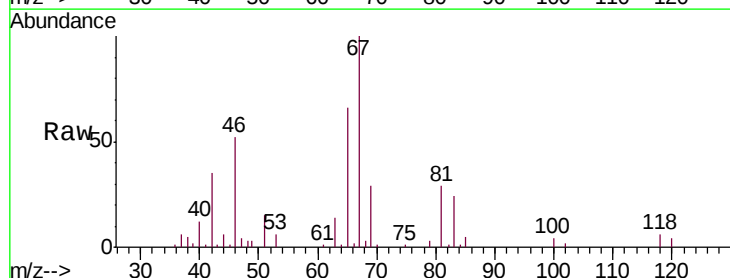
Tgt Ion: 83 Resp: 7595

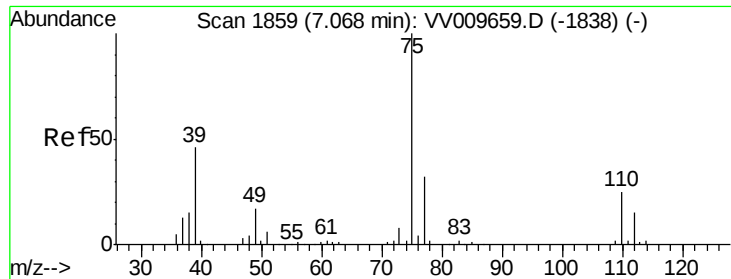
Ion Ratio Lower Upper

83 100

55 0.0 57.4 86.0#

98 0.0 37.1 55.7#



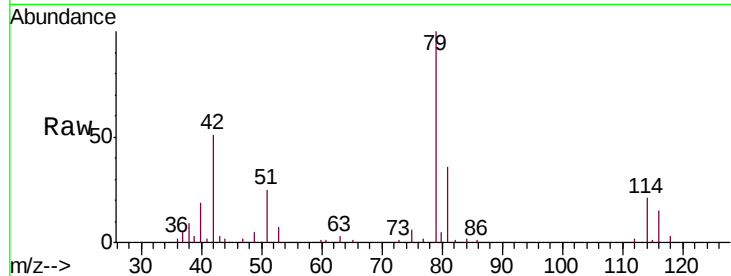


#42

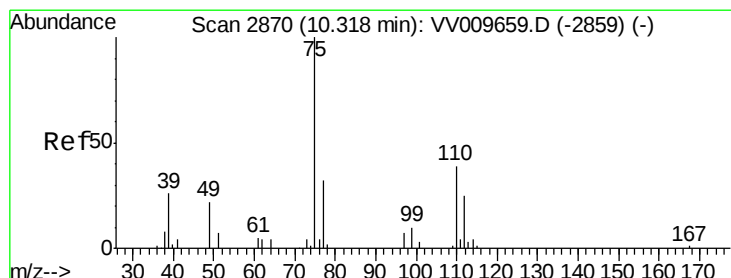
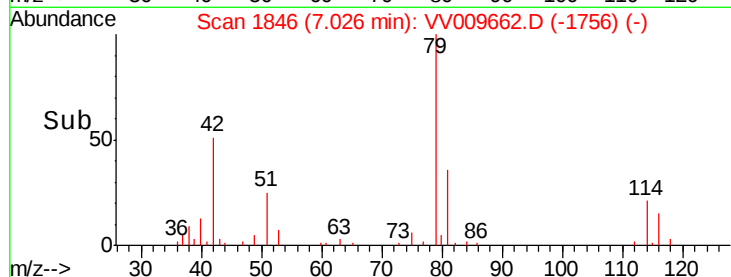
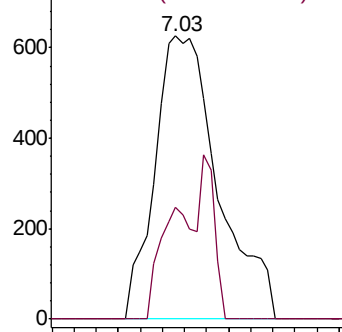
cis-1,3-Dichloropropene
 Concen: 0.581 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV009662.D
 Acq: 14 Mar 2019 13:41

Instrument :
 MSVOA_V
 ClientSampleId :
 BF179

Tgt Ion: 75 Resp: 1251
 Ion Ratio Lower Upper
 75 100
 77 39.6 22.0 40.8



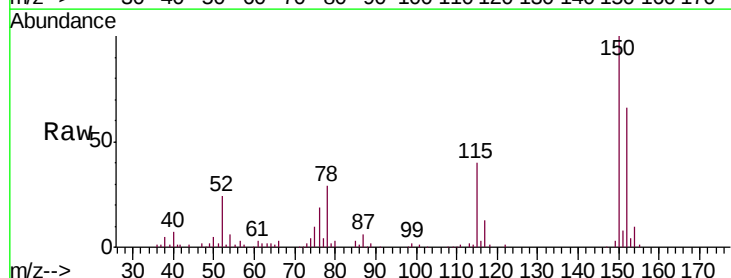
Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane
 Concen: 5.867 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009662.D
 Acq: 14 Mar 2019 13:41

Tgt Ion: 75 Resp: 6475
 Ion Ratio Lower Upper
 75 100
 77 37.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0

