

Data File : VV012657.D
Acq On : 10 Sep 2019 15:09
Operator : SY/MD
Sample : K4703-14DL 5X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD97DL

Quant Time: Sep 11 05:25:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	376855	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	377259	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147789	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113823	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	65917	3.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.40%#
11) 1,1-Dichloroethene-d2	2.12	63	154782	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.95	46	366191	59.53	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.06%
24) Chloroform-d	4.40	84	222084	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	117222	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.09	84	422905	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.12	67	144127	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	329874	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.66	79	44975	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	179465	48.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105260	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	135979	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4356	0.137 ug/L #	84
5) Vinyl chloride	1.32	62	6140	0.187 ug/L #	65
12) 1,1-Dichloroethene	2.14	96	33040	1.411 ug/L #	50
16) Methylene chloride	2.53	84	11795	0.412 ug/L	97
19) 1,1-Dichloroethane	3.22	63	165816	3.347 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	137691	4.816 ug/L	97
25) Chloroform	4.42	83	11603	0.213 ug/L	95
27) 1,2-Dichloroethane	5.18	62	3948	0.138 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	8838	0.213 ug/L	98
34) Trichloroethene	5.96	95	260610	8.553 ug/L	99
35) Methylcyclohexane	6.12	83	34612	0.804 ug/L #	18
44) trans-1,3-Dichloropropene	7.67	75	1855	0.068 ug/L #	55
47) Tetrachloroethene	8.02	164	158360	6.621 ug/L	98
48) 2-Hexanone	8.19	43	38659	3.549 ug/L #	86
49) Dibromochloromethane	8.02	129	140772	6.187 ug/L #	11
51) Chlorobenzene	8.93	112	8722	0.116 ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	5429	0.117 ug/L	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

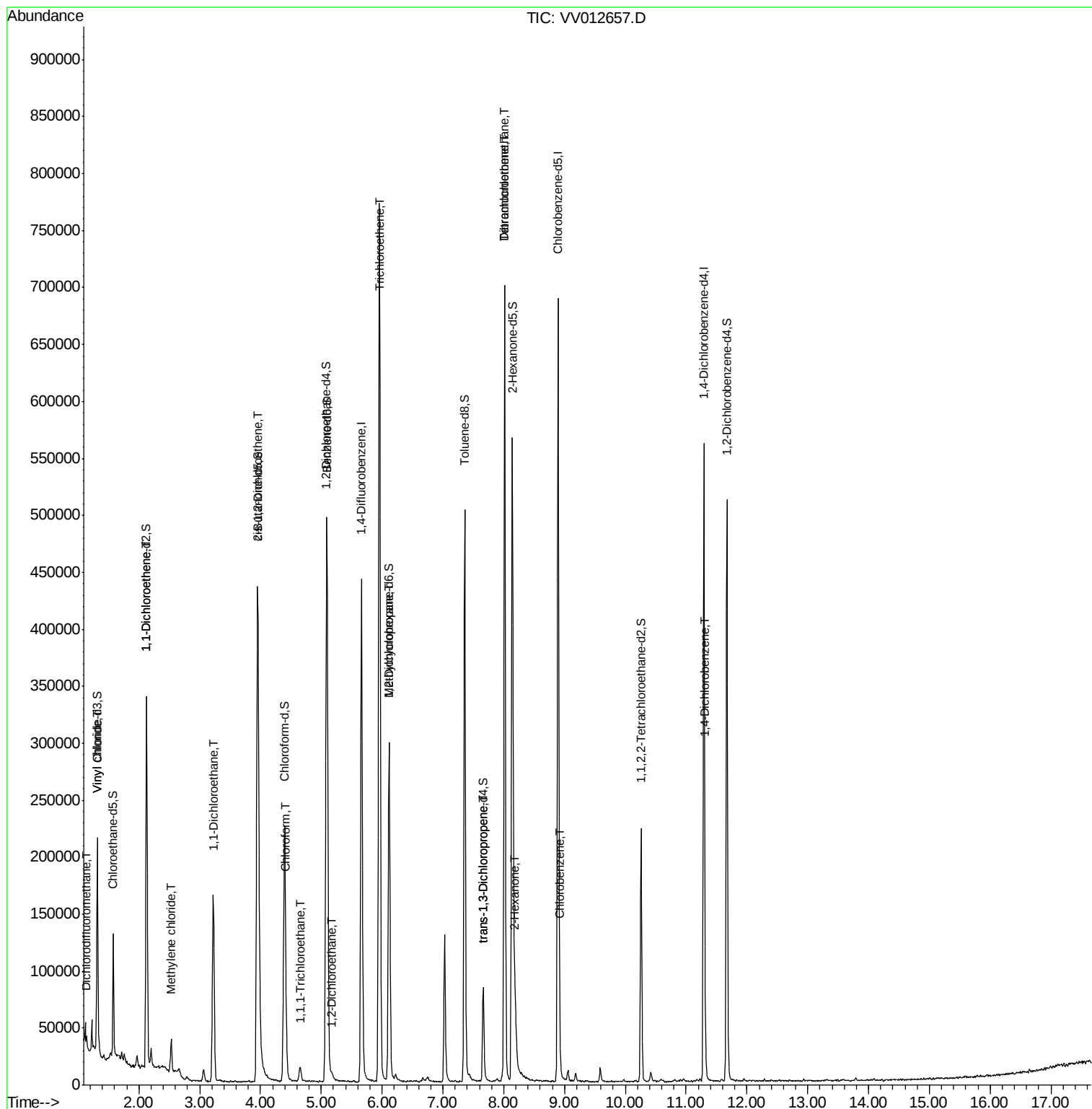
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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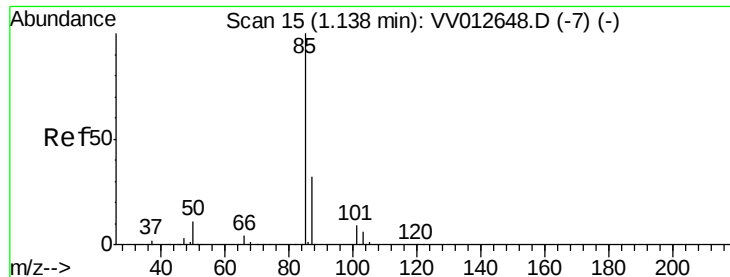
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.137 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

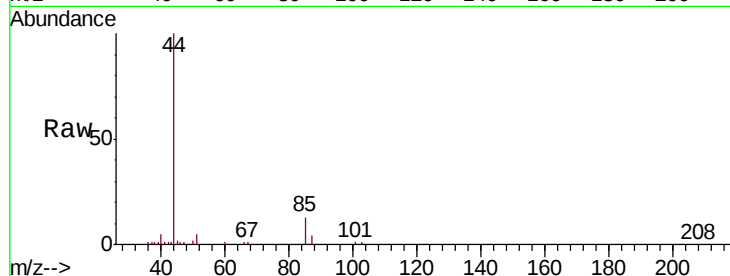
BFD97DL

Tgt Ion: 85 Resp: 4356

Ion Ratio Lower Upper

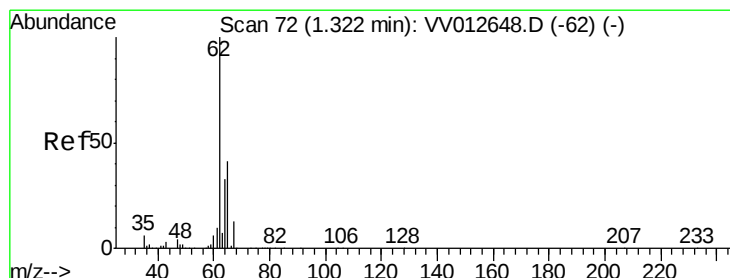
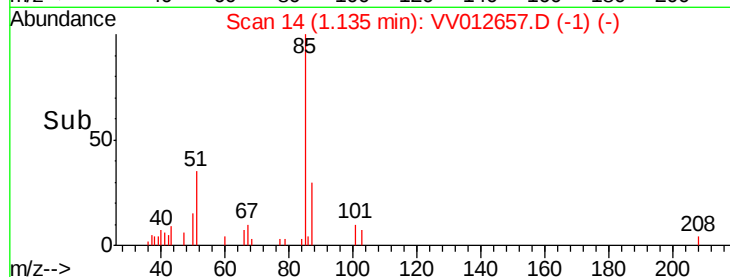
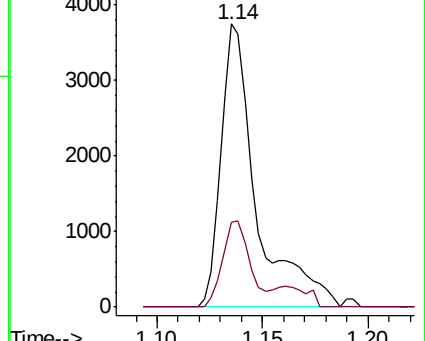
85 100

87 23.6 25.8 38.8#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#5

Vinyl chloride

Concen: 0.187 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012657.D

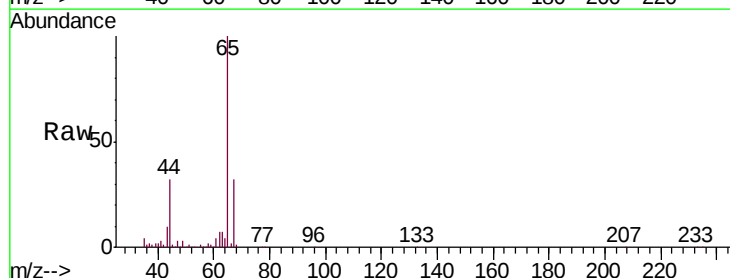
Acq: 10 Sep 2019 15:09

Tgt Ion: 62 Resp: 6140

Ion Ratio Lower Upper

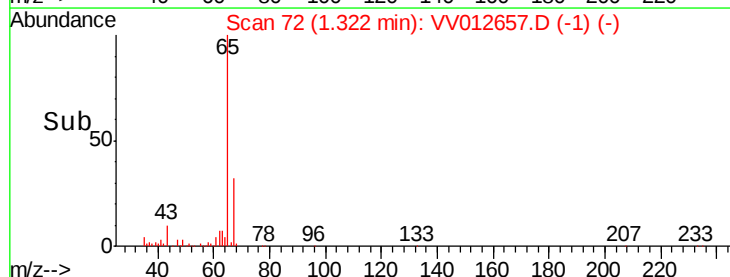
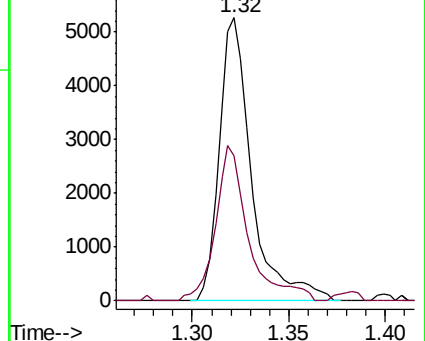
62 100

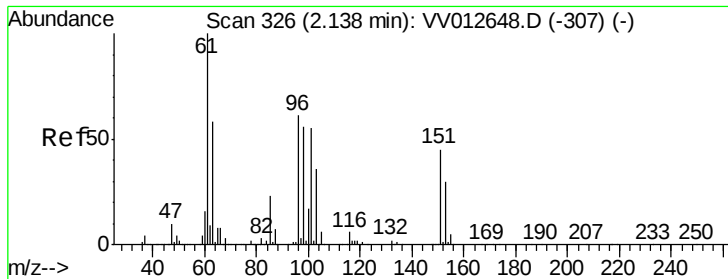
64 51.1 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#12

1,1-Dichloroethene

Concen: 1.411 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

BFD97DL

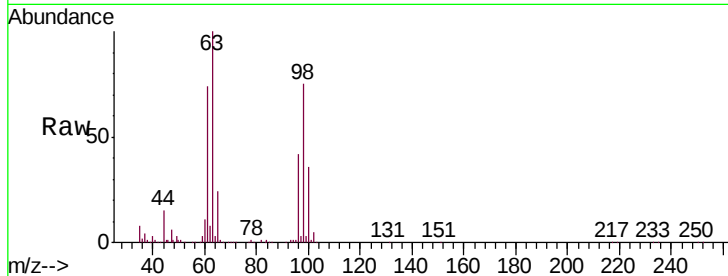
Tgt Ion: 96 Resp: 33040

Ion Ratio Lower Upper

96 100

61 174.9 115.8 215.0

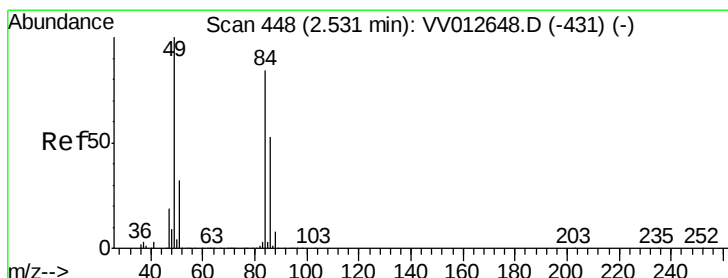
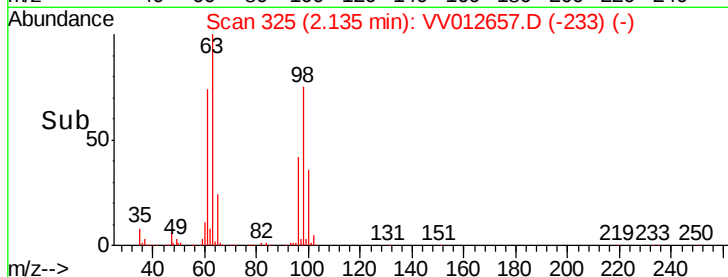
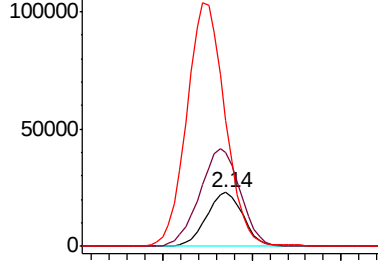
63 235.4 79.4 147.4#



Abundance Ion 96.00 (95.70 to 96.70): VV012648.D (-307) (-)

Ion 61.05 (60.75 to 61.75): VV012648.D (-307) (-)

Ion 63.00 (62.70 to 63.70): VV012648.D (-307) (-)



#16

Methylene chloride

Concen: 0.412 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

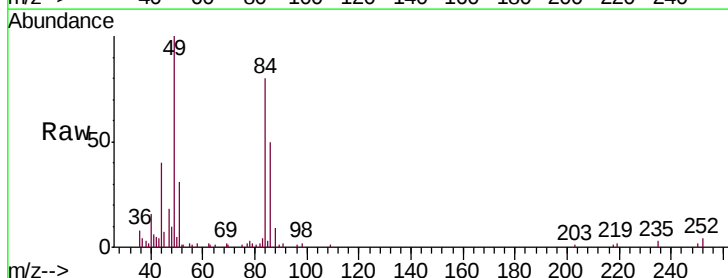
Tgt Ion: 84 Resp: 11795

Ion Ratio Lower Upper

84 100

86 62.2 46.1 85.7

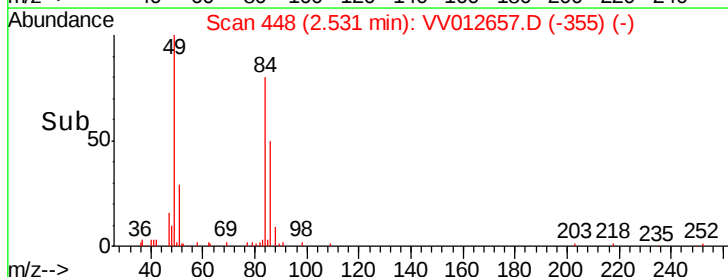
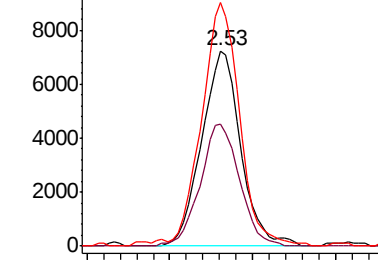
49 124.8 85.3 158.3

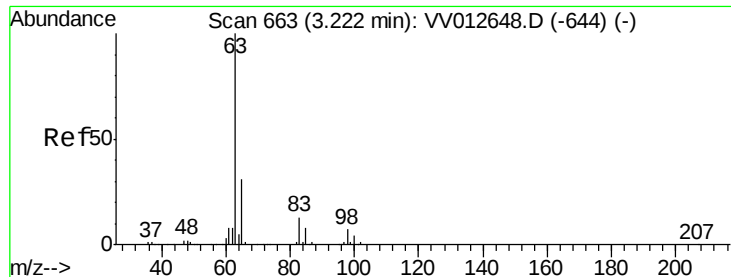


Abundance Ion 84.05 (83.75 to 84.75): VV012648.D (-431) (-)

Ion 86.00 (85.70 to 86.70): VV012648.D (-431) (-)

Ion 49.10 (48.80 to 49.80): VV012648.D (-431) (-)

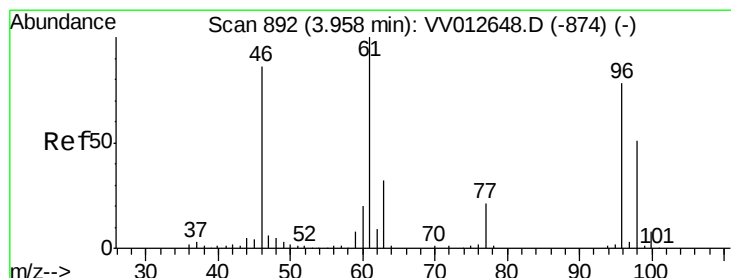
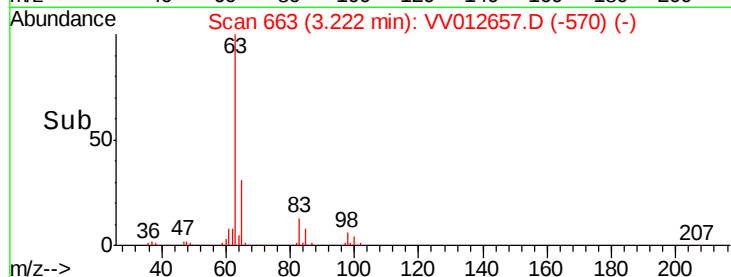
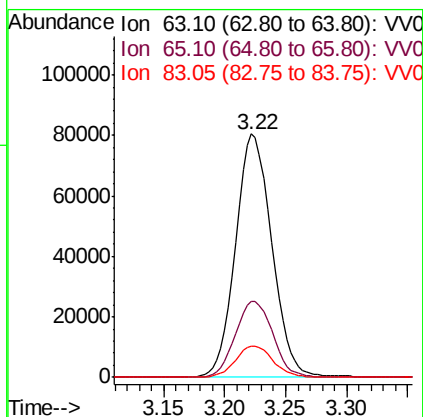
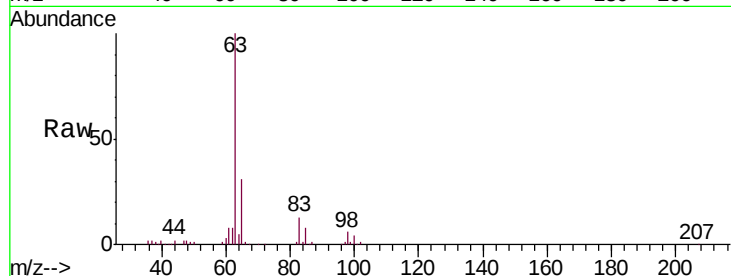




#19
 1,1-Dichloroethane
 Concen: 3.347 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

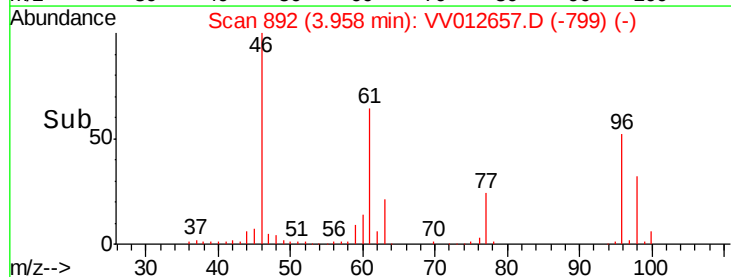
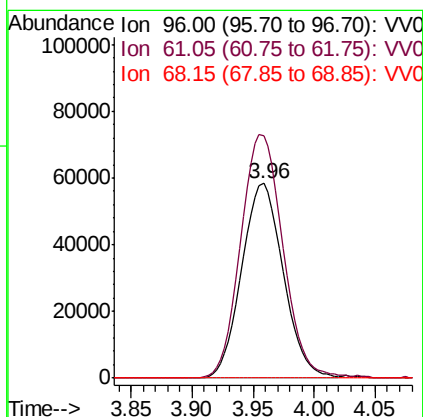
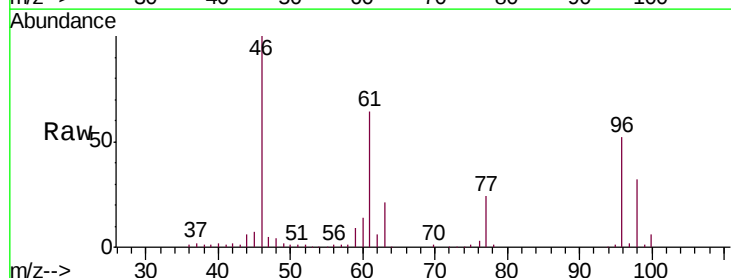
Instrument :
 MSVOA_V
 ClientSampled :
 BFD97DL

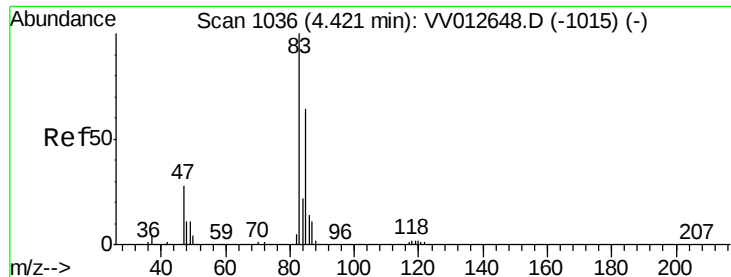
Tgt Ion: 63 Resp: 165816
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.3
 83 13.0 9.1 16.9



#22
 cis-1,2-Dichloroethene
 Concen: 4.816 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Tgt Ion: 96 Resp: 137691
 Ion Ratio Lower Upper
 96 100
 61 124.6 89.7 166.5
 68 0.0 0.0 0.0

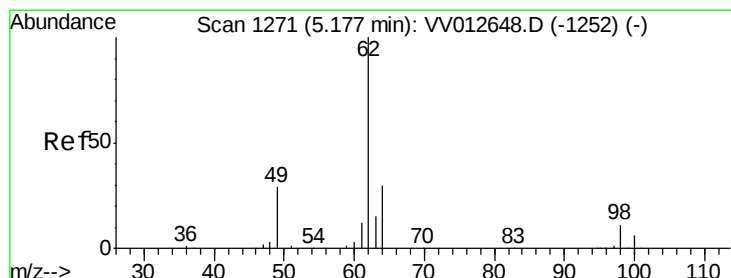
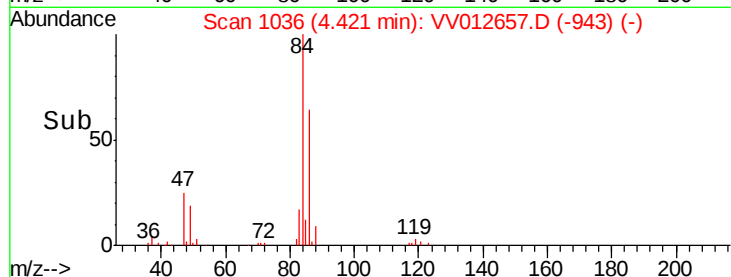
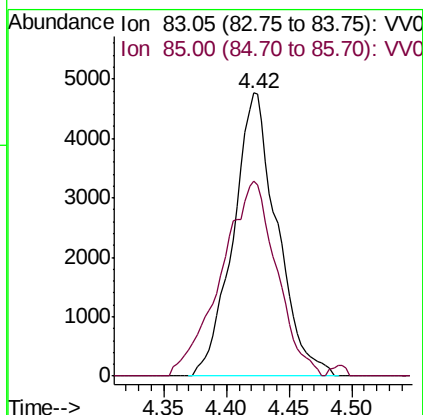
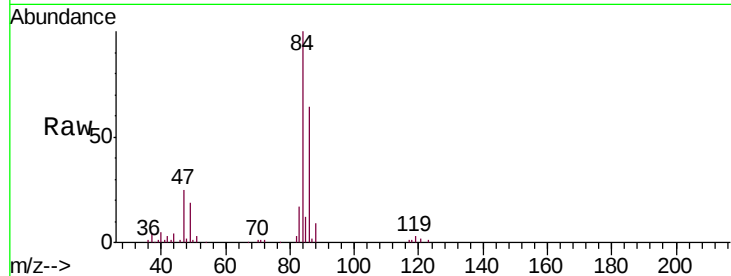




#25
Chloroform
Concen: 0.213 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV012657.D
Acq: 10 Sep 2019 15:09

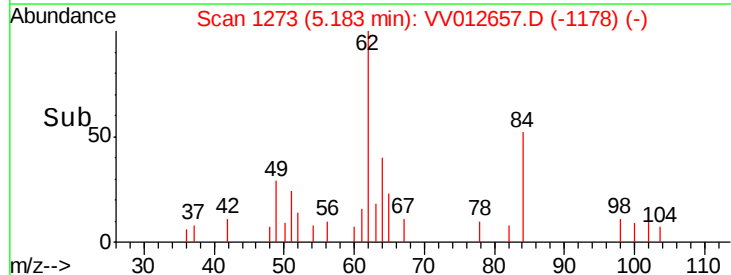
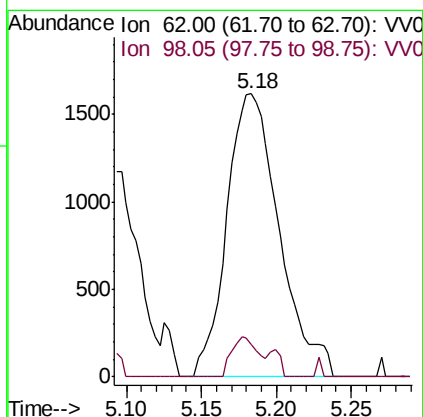
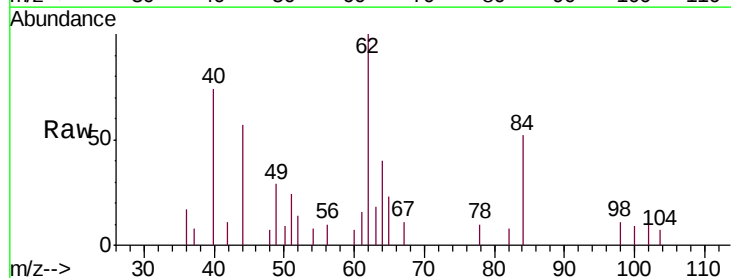
Instrument :
MSVOA_V
ClientSampleId :
BFD97DL

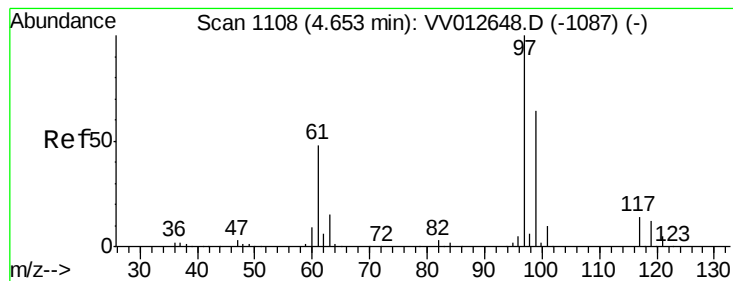
Tgt Ion: 83 Resp: 11603
Ion Ratio Lower Upper
83 100
85 68.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.138 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012657.D
Acq: 10 Sep 2019 15:09

Tgt Ion: 62 Resp: 3948
Ion Ratio Lower Upper
62 100
98 11.2 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 0.213 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

BFD97DL

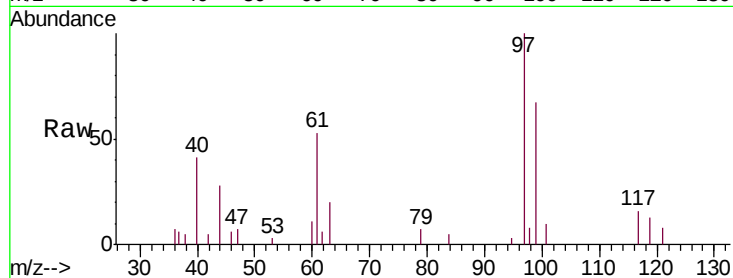
Tgt Ion: 97 Resp: 8838

Ion Ratio Lower Upper

97 100

99 63.2 51.6 77.4

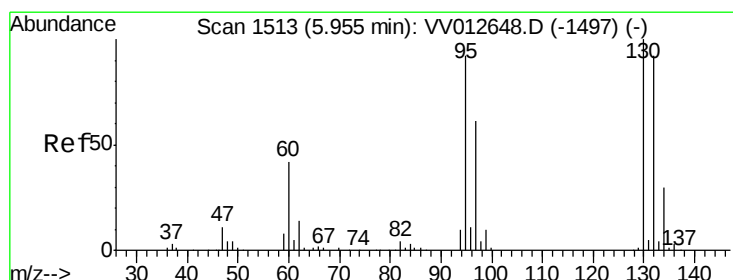
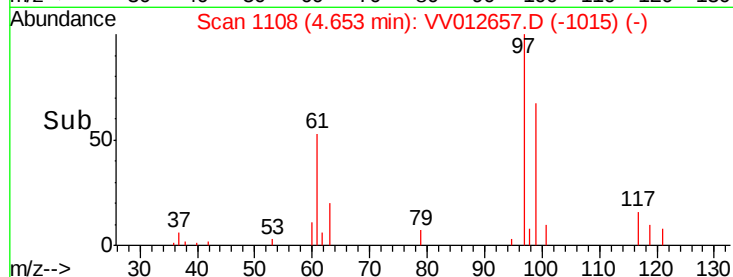
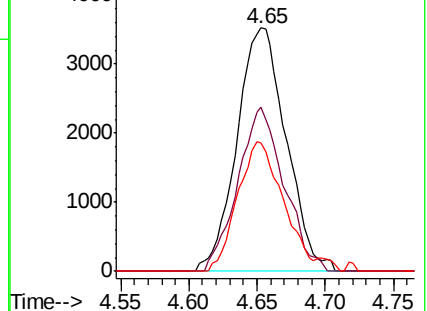
61 48.9 37.5 56.3



Abundance Ion 96.95 (96.65 to 97.65): VV012648.D (-1087) (-)

Ion 99.05 (98.75 to 99.75): VV012648.D (-1087) (-)

Ion 61.05 (60.75 to 61.75): VV012648.D (-1087) (-)



#34

Trichloroethene

Concen: 8.553 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Tgt Ion: 95 Resp: 260610

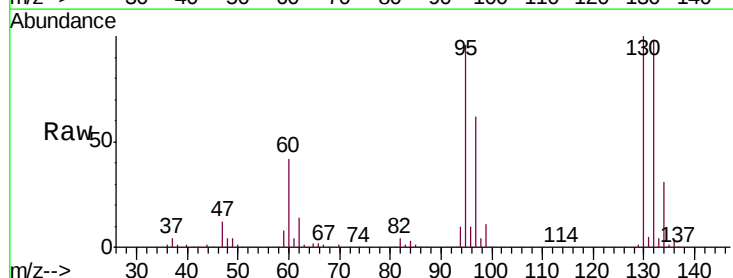
Ion Ratio Lower Upper

95 100

97 64.7 45.4 84.2

132 101.8 70.2 130.4

130 104.4 74.2 137.8

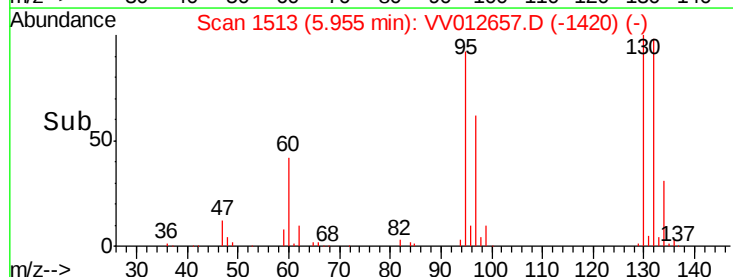
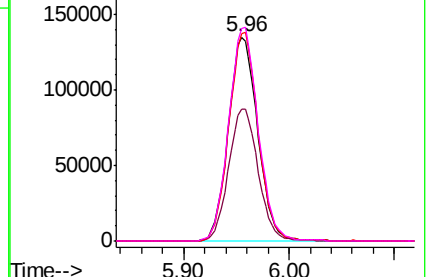


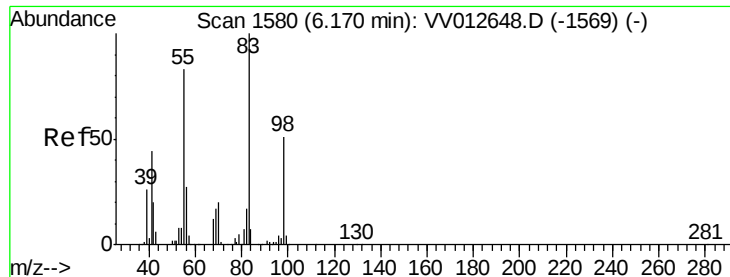
Abundance Ion 95.00 (94.70 to 95.70): VV012648.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV012648.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV012648.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV012648.D (-1497) (-)

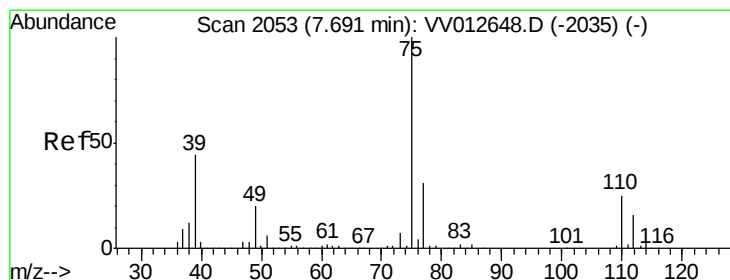
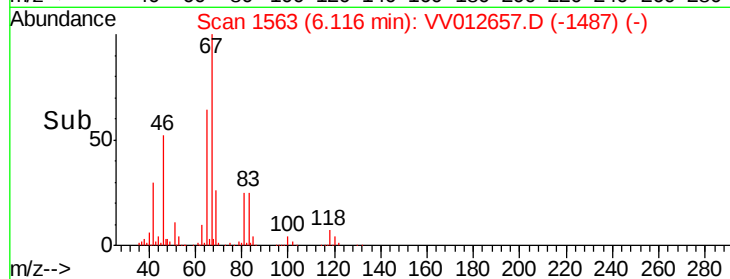
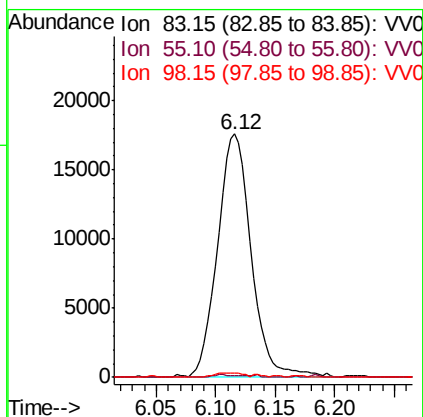
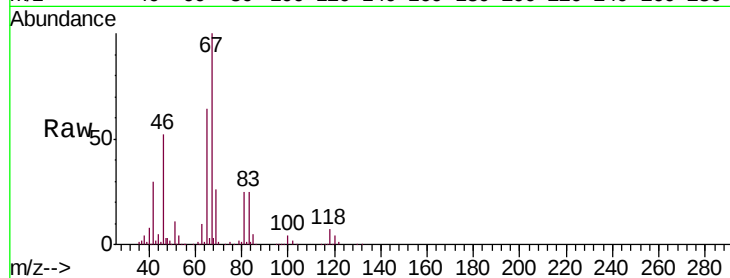




#35
Methylcyclohexane
Concen: 0.804 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012657.D
Acq: 10 Sep 2019 15:09

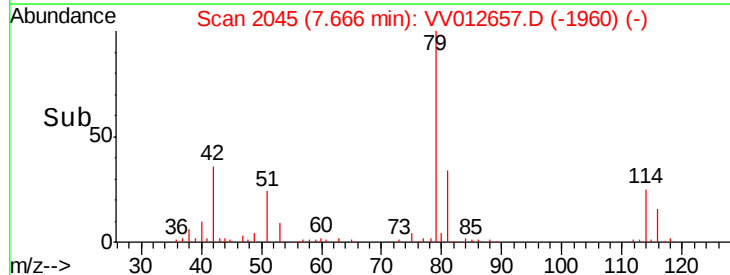
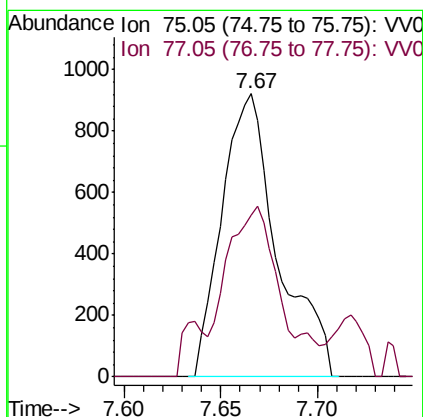
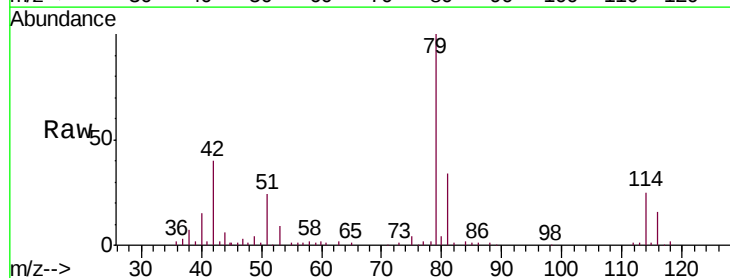
Instrument :
MSVOA_V
ClientSampleId :
BFD97DL

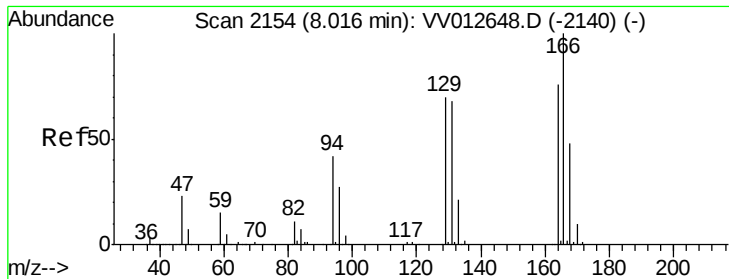
Tgt Ion: 83 Resp: 34612
Ion Ratio Lower Upper
83 100
55 0.5 63.0 94.4#
98 1.6 39.8 59.8#



#44
trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV012657.D
Acq: 10 Sep 2019 15:09

Tgt Ion: 75 Resp: 1855
Ion Ratio Lower Upper
75 100
77 57.0 22.4 41.6#





#47

Tetrachloroethene

Concen: 6.621 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

BFD97DL

Tgt Ion:164 Resp: 158360

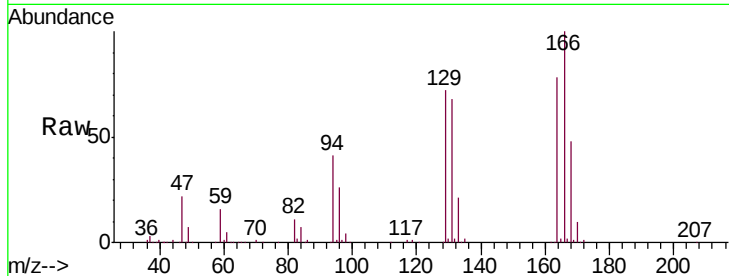
Ion Ratio Lower Upper

164 100

129 92.1 61.9 114.9

131 87.2 59.7 110.9

166 128.6 90.4 167.8

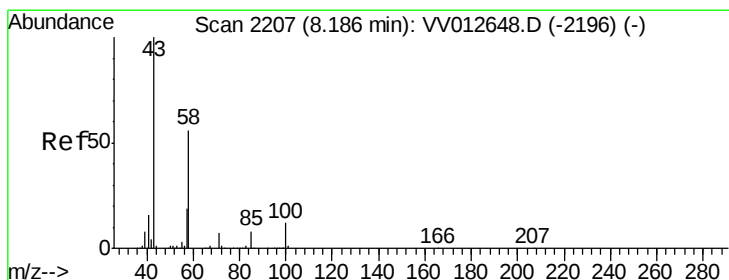
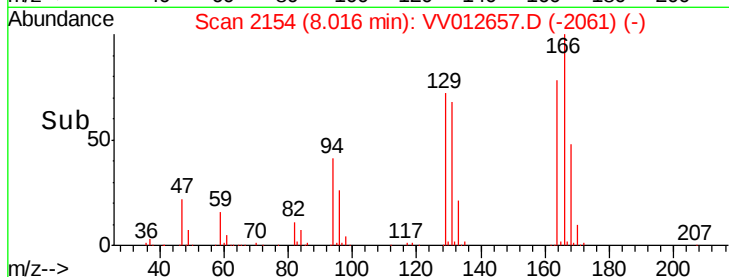
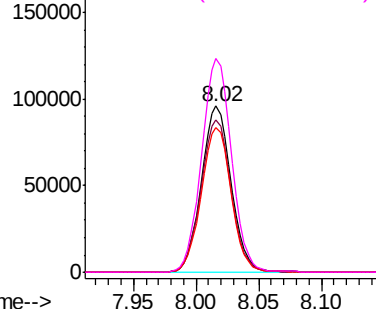


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.549 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Tgt Ion: 43 Resp: 38659

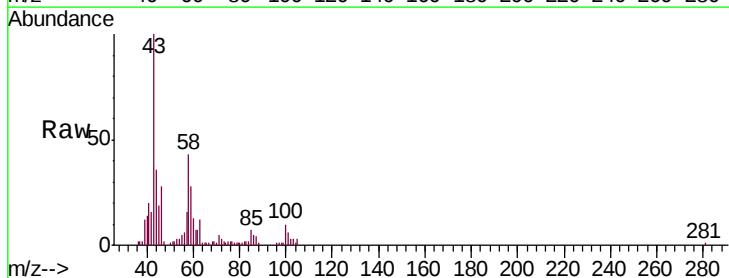
Ion Ratio Lower Upper

43 100

58 43.3 44.8 67.2#

57 16.6 14.9 22.3

100 8.0 9.8 14.8#

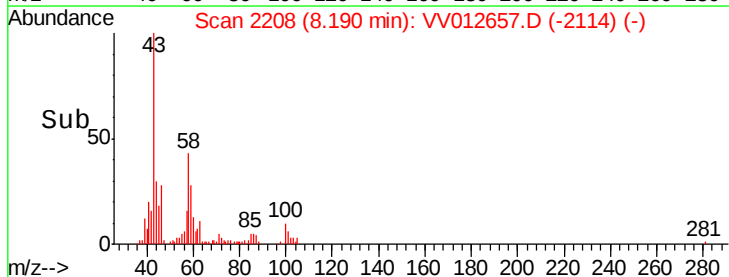
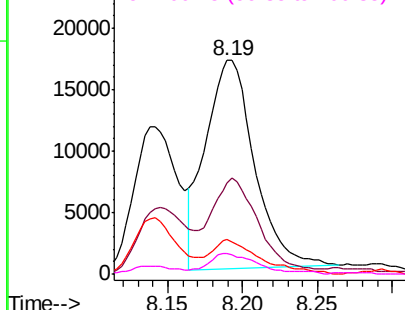


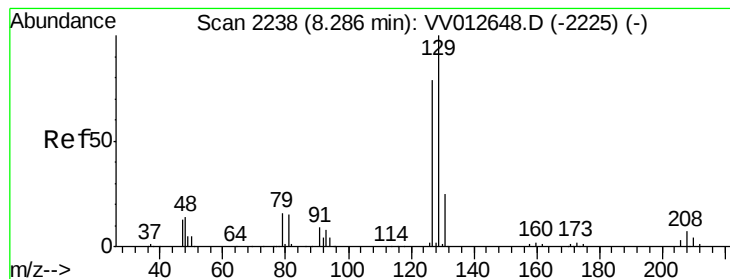
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

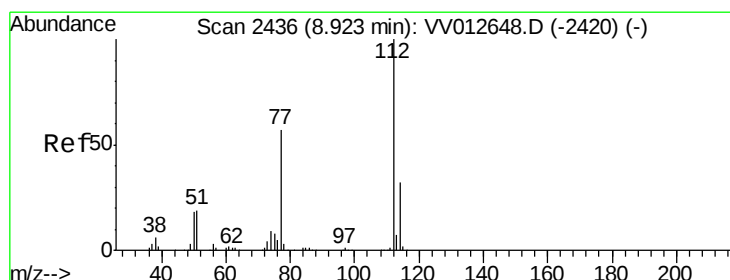
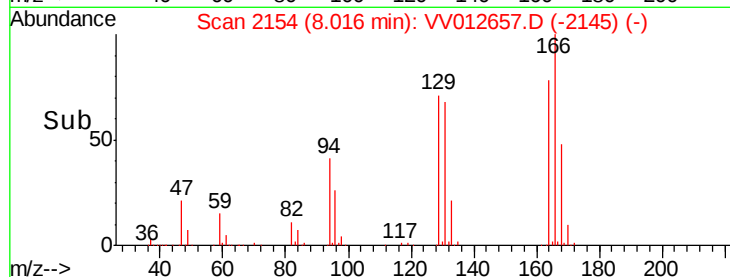
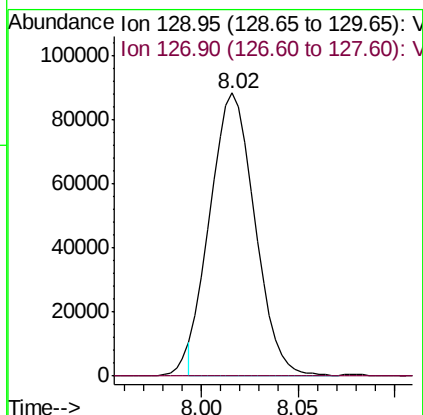
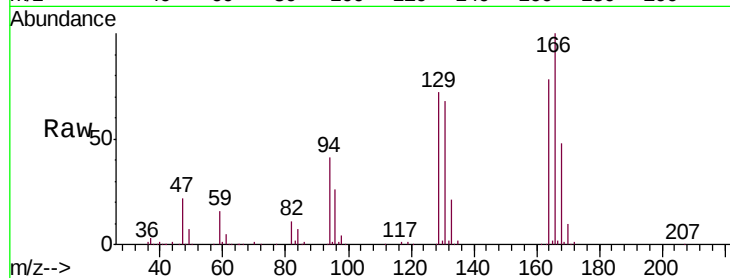




#49
Dibromochloromethane
Concen: 6.187 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012657.D
Acq: 10 Sep 2019 15:09

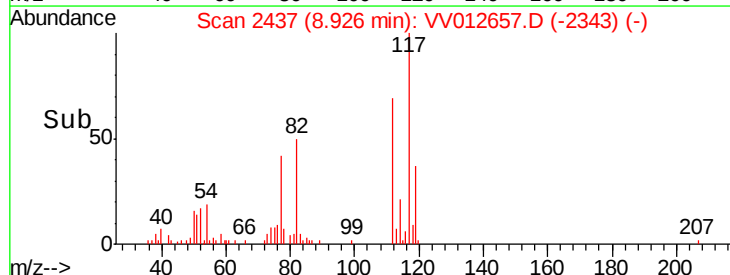
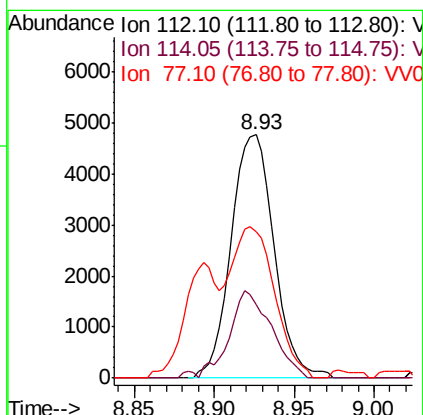
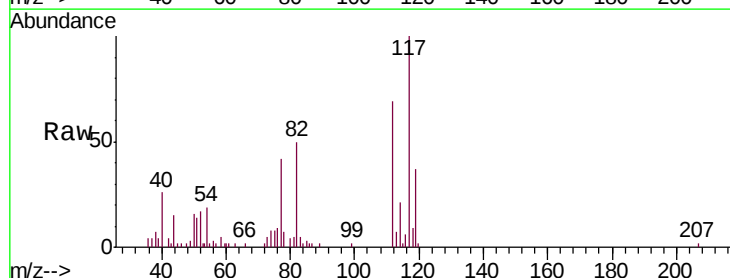
Instrument :
MSVOA_V
ClientSampleId :
BFD97DL

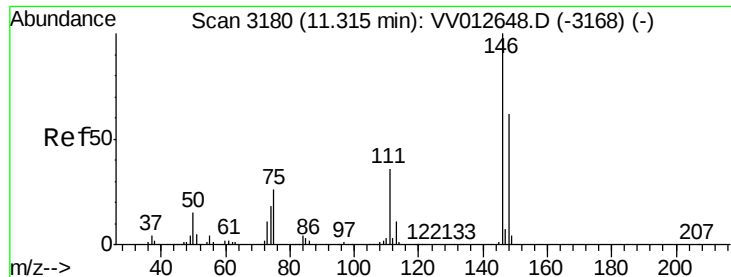
Tgt Ion:129 Resp: 140772
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#



#51
Chlorobenzene
Concen: 0.116 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012657.D
Acq: 10 Sep 2019 15:09

Tgt Ion:112 Resp: 8722
Ion Ratio Lower Upper
112 100
114 30.0 22.5 41.9
77 60.3 46.2 69.2

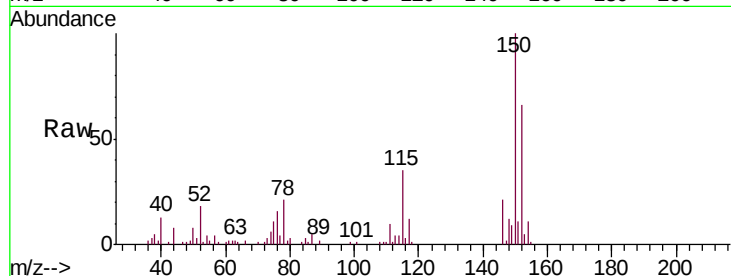




#63
 1,4-Dichlorobenzene
 Concen: 0.117 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD97DL

Tgt Ion:146 Resp: 5429
 Ion Ratio Lower Upper
 146 100
 111 46.0 25.9 48.1
 148 56.9 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

