

Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

Quant Time: Sep 03 05:48:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 05:44:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141343	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	142352	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67044	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66227	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.59	69	68376	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.13	63	114691	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	3.93	46	133134	50.89	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.78%
24) Chloroform-d	4.40	84	107162	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	59073	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.10	84	206268	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.12	67	67157	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.36	98	170164	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.67	79	20423	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.13	63	78714	45.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	44929	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	71754	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

					Qvalue
16) Methylene chloride	2.54	84	2278	0.108 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	62711	4.151 ug/L	97
25) Chloroform	4.43	83	4931	0.167 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	2530	0.107 ug/L #	78
34) Trichloroethene	5.96	95	192620	11.894 ug/L	98
35) Methylcyclohexane	6.12	83	15512	0.630 ug/L #	16
44) trans-1,3-Dichloropropene	7.67	75	1443	0.090 ug/L	84
47) Tetrachloroethene	8.02	164	3125	0.267 ug/L	93
48) 2-Hexanone	8.18	43	6357	0.998 ug/L #	90
49) Dibromochloromethane	8.02	129	2945	0.256 ug/L #	10
53) m,p-xylene	9.18	106	2815	0.112 ug/L	86
54) o-xylene	9.59	106	5561	0.234 ug/L	66
56) Isopropylbenzene	9.97	105	3507	0.053 ug/L #	87
66) 1,2-Dibromo-3-chloropropan	12.46	75	5473	3.061 ug/L #	10
69) Naphthalene	13.55	128	1530435	66.985 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 05:44:01 2019
Response via : Initial Calibration

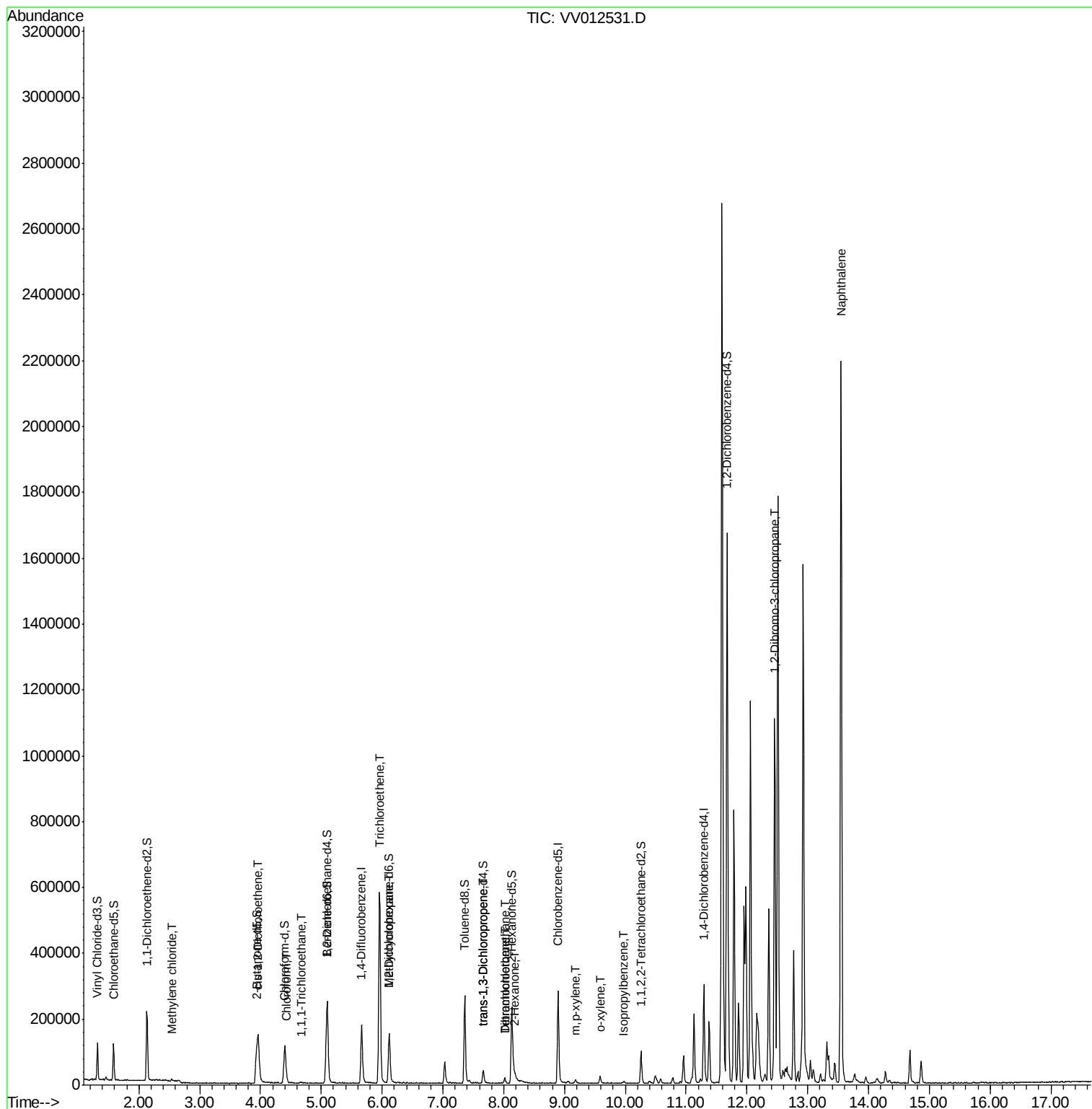
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

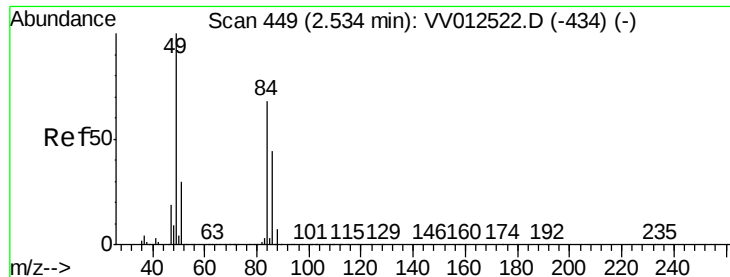
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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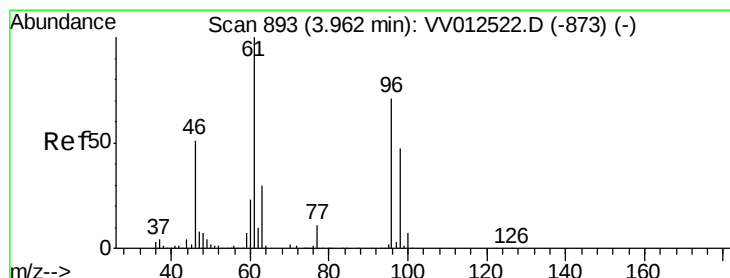
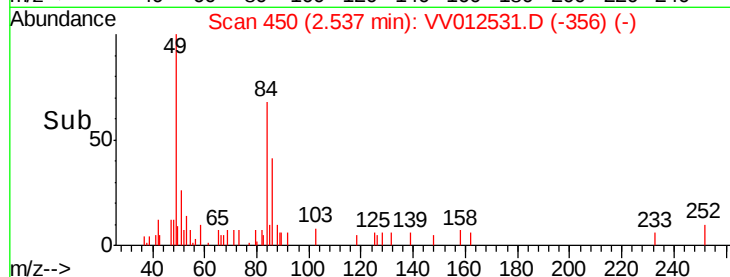
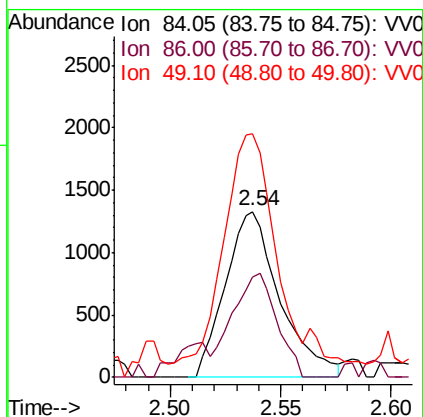
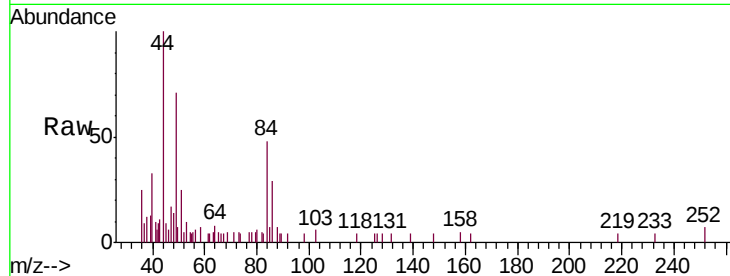




#16
Methylene chloride
Concen: 0.108 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012531.D
Acq: 02 Sep 2019 16:10

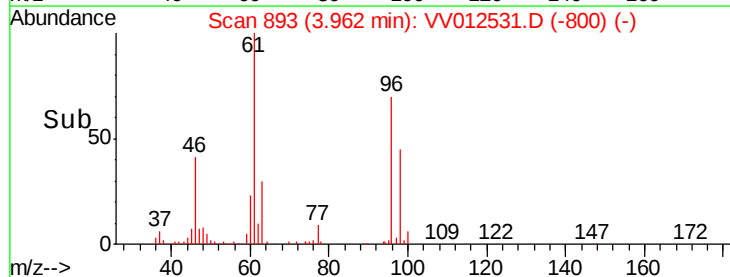
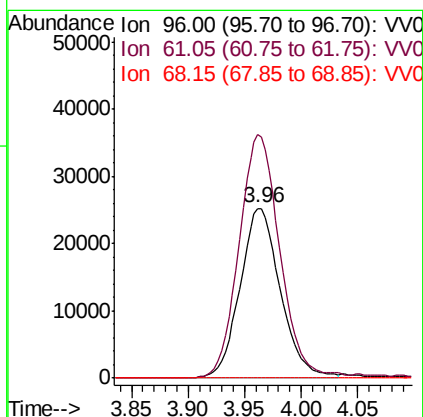
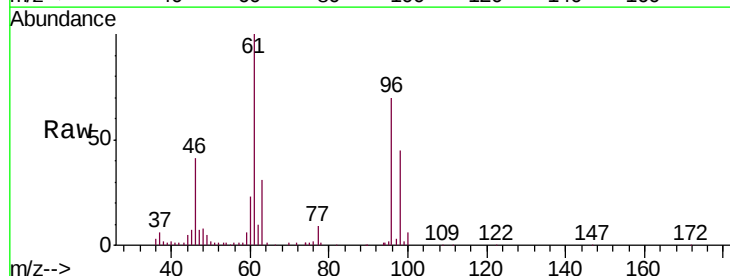
Instrument :
MSVOA_V
ClientSampled :
BFD63

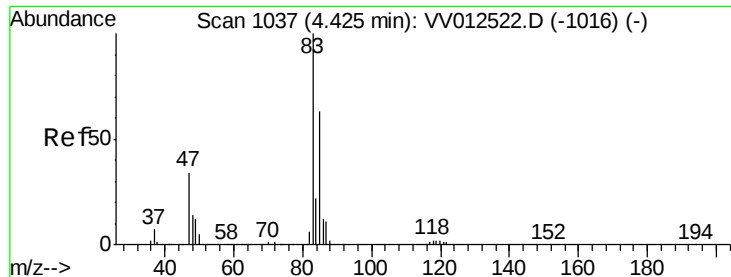
Tgt Ion: 84 Resp: 2278
Ion Ratio Lower Upper
84 100
86 60.5 45.2 84.0
49 160.4 100.4 186.4



#22
cis-1,2-Dichloroethene
Concen: 4.151 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012531.D
Acq: 02 Sep 2019 16:10

Tgt Ion: 96 Resp: 62711
Ion Ratio Lower Upper
96 100
61 143.3 97.5 181.1
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.167 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

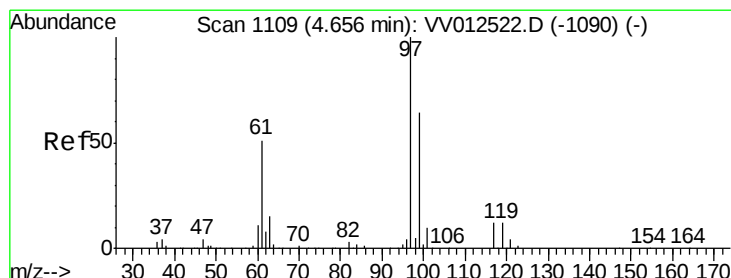
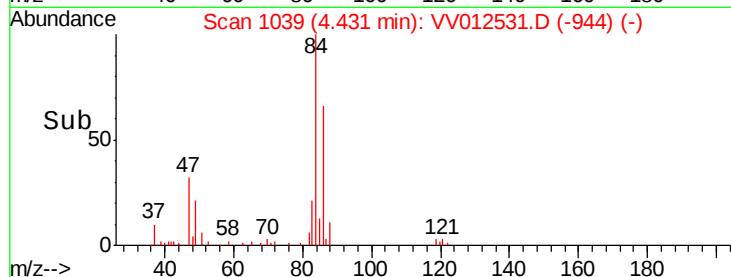
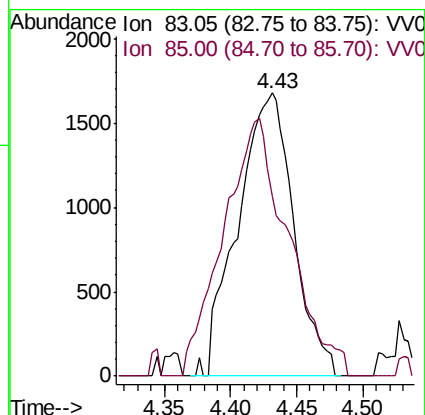
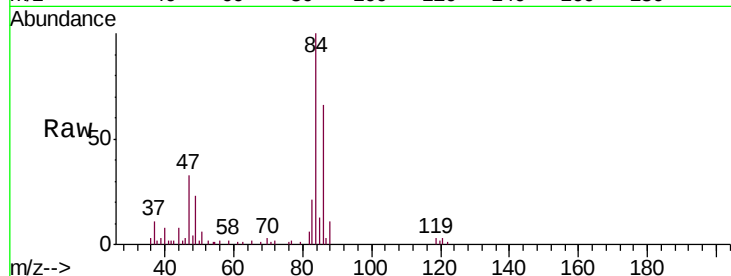
BFD63

Tgt Ion: 83 Resp: 4931

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.9



#29

1,1,1-Trichloroethane

Concen: 0.107 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

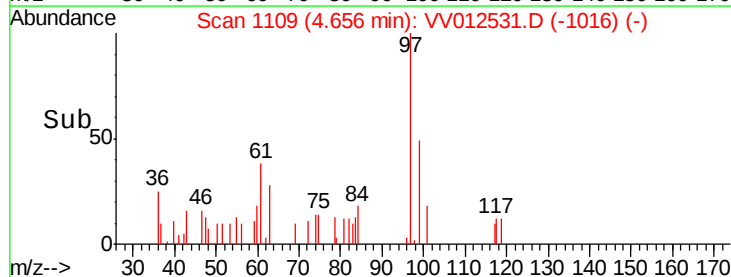
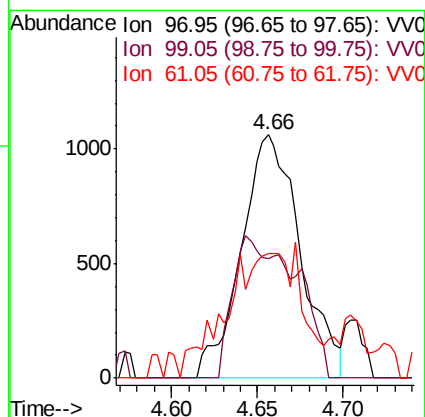
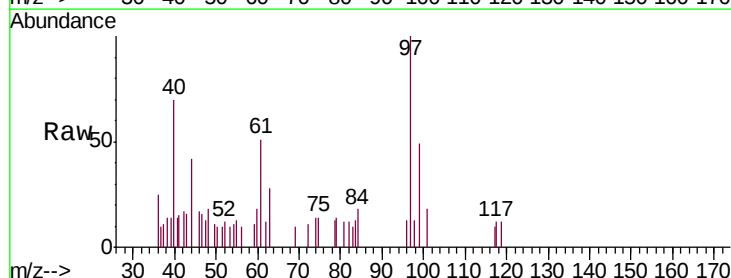
Tgt Ion: 97 Resp: 2530

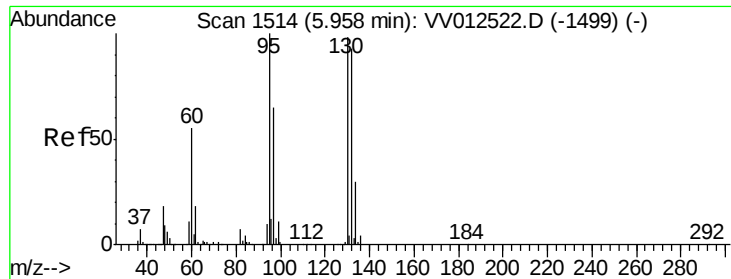
Ion Ratio Lower Upper

97 100

99 63.0 52.6 79.0

61 22.9 43.4 65.2#





#34

Trichloroethene

Concen: 11.894 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

BFD63

Tgt Ion: 95 Resp: 192620

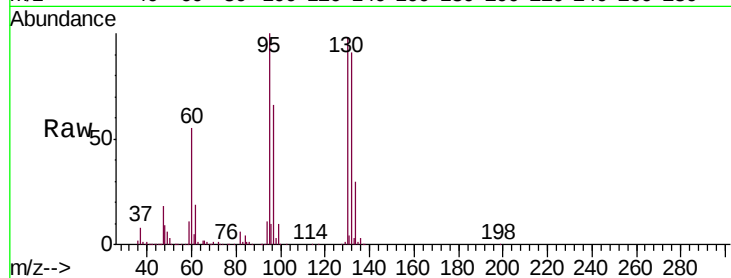
Ion Ratio Lower Upper

95 100

97 65.6 44.7 83.1

132 90.8 63.8 118.4

130 98.0 66.6 123.6

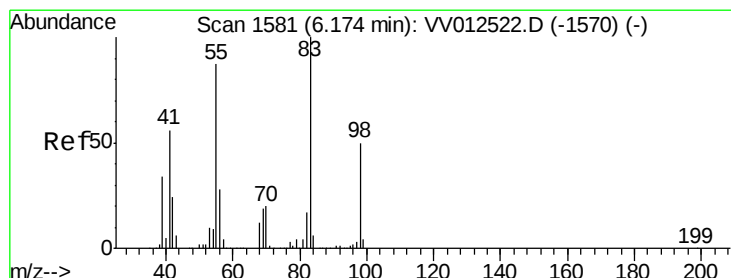
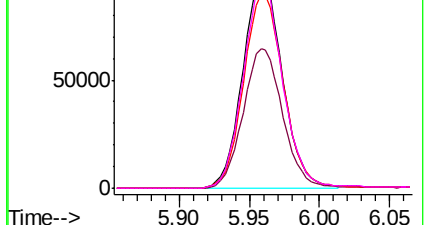
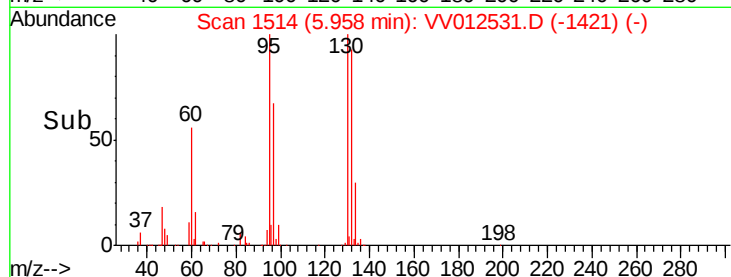


Abundance Ion 95.00 (94.70 to 95.70): VV012522.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV012522.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV012522.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV012522.D (-1499) (-)



#35

Methylcyclohexane

Concen: 0.630 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

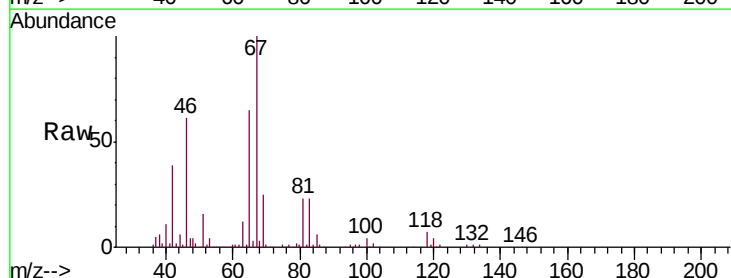
Tgt Ion: 83 Resp: 15512

Ion Ratio Lower Upper

83 100

55 0.5 67.3 100.9#

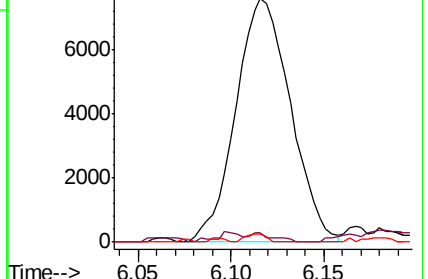
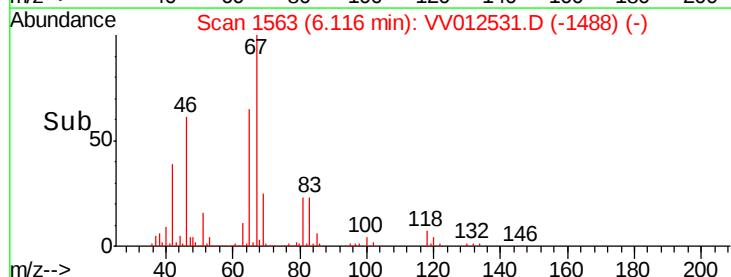
98 1.3 37.4 56.2#

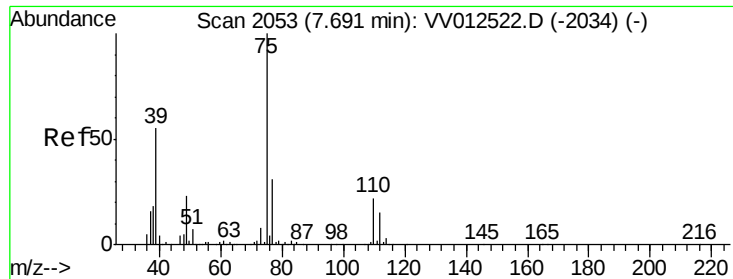


Abundance Ion 83.15 (82.85 to 83.85): VV012522.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV012522.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV012522.D (-1570) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

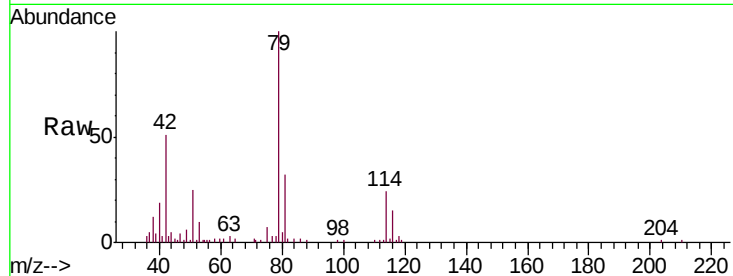
BFD63

Tgt Ion: 75 Resp: 1443

Ion Ratio Lower Upper

75 100

77 40.6 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012522.D (-2034) (-)

Ion 77.05 (76.75 to 77.25): VV012522.D (-2034) (-)

7.67

800

600

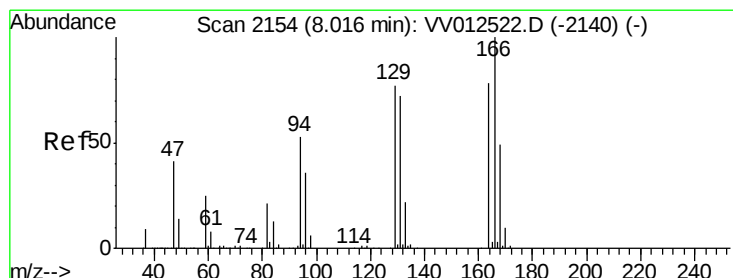
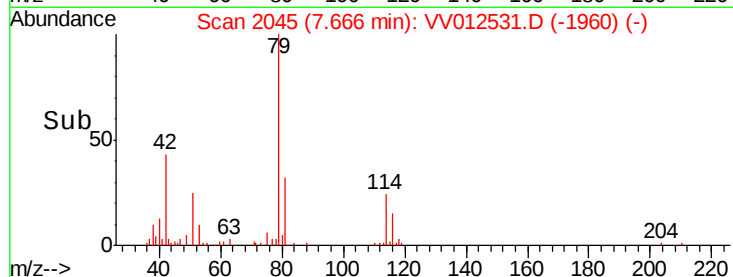
400

200

0

7.65 7.70

Time-->



#47

Tetrachloroethene

Concen: 0.267 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

Tgt Ion: 164 Resp: 3125

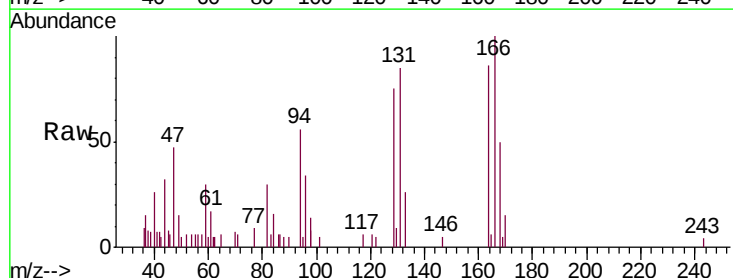
Ion Ratio Lower Upper

164 100

129 86.9 64.5 119.9

131 98.4 62.3 115.7

166 115.7 86.5 160.6



Abundance Ion 163.90 (163.60 to 164.60): VV012522.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012522.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012522.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012522.D (-2140) (-)

3000

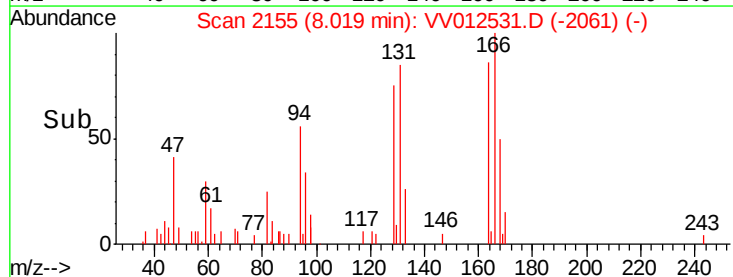
2000

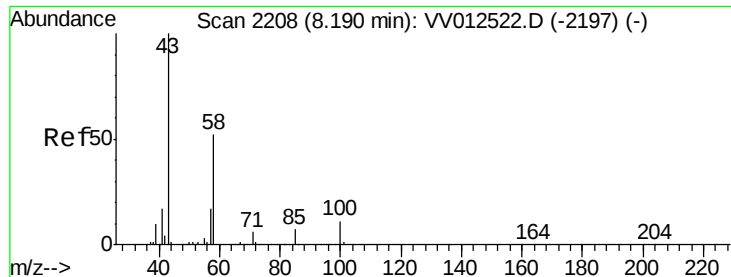
1000

0

7.95 8.00 8.05

Time-->

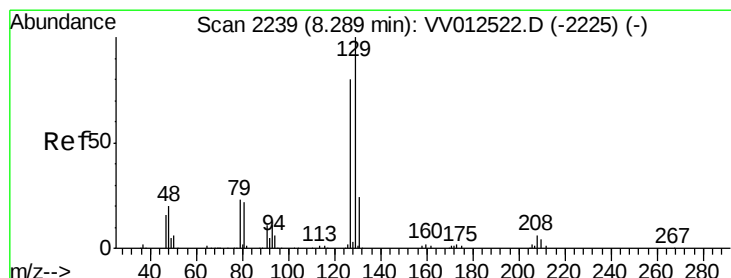
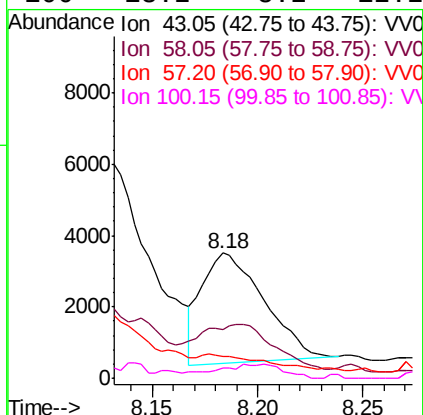
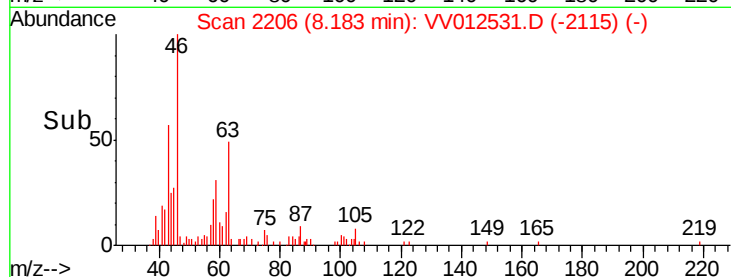
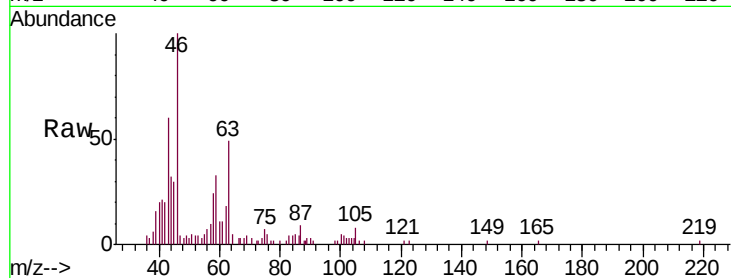




#48
2-Hexanone
Concen: 0.998 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV012531.D
Acq: 02 Sep 2019 16:10

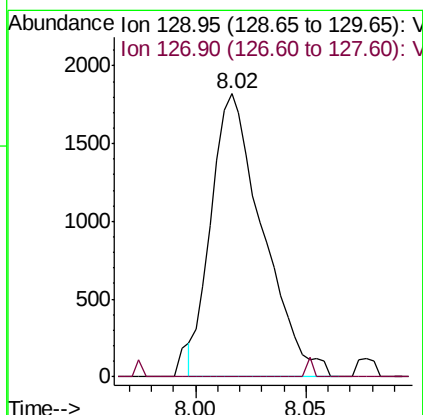
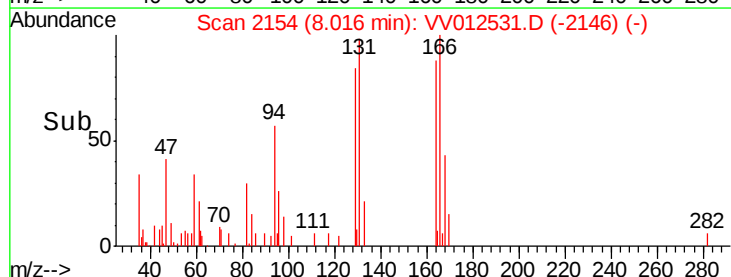
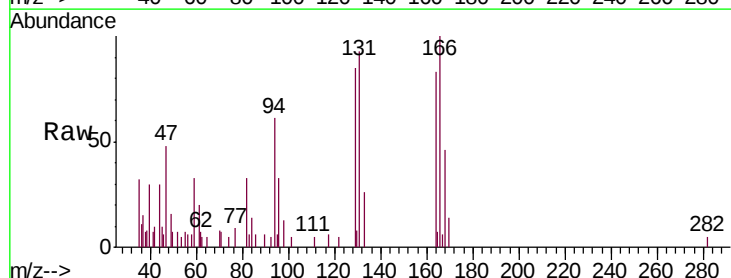
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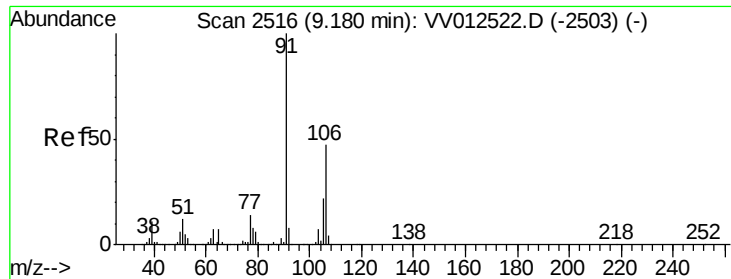
Tgt Ion:	43	Resp:	6357
Ion	Ratio	Lower	Upper
43	100		
58	57.7	40.0	60.0
57	12.9	13.4	20.2#
100	13.2	8.2	12.2#



#49
Dibromochloromethane
Concen: 0.256 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012531.D
Acq: 02 Sep 2019 16:10

Tgt Ion:	129	Resp:	2945
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	102.1#

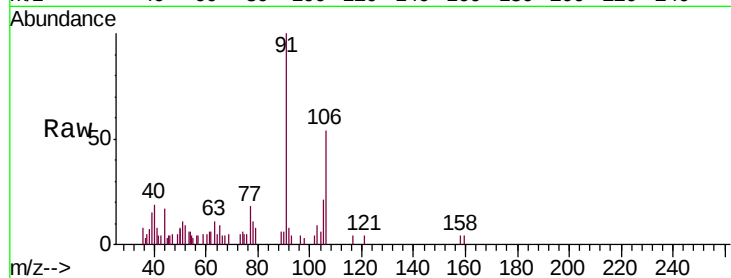




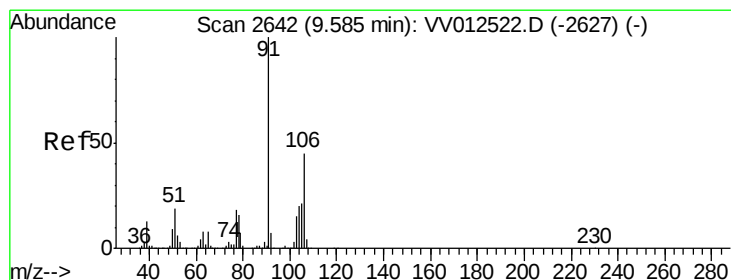
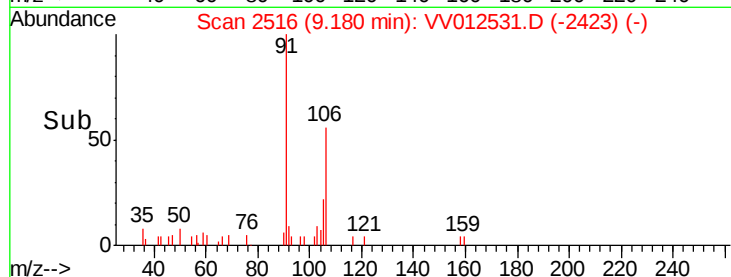
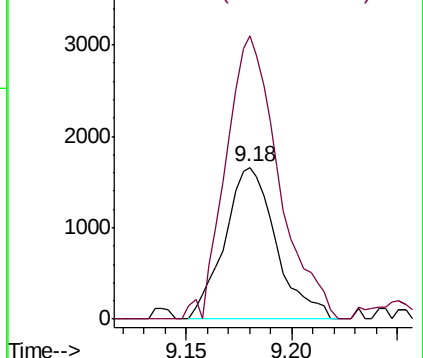
#53
m,p-xylene
Concen: 0.112 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012531.D
Acq: 02 Sep 2019 16:10

Instrument :
MSVOA_V
ClientSampleId :
BFD63

Tgt Ion:106 Resp: 2815
Ion Ratio Lower Upper
106 100
91 186.7 145.8 270.8

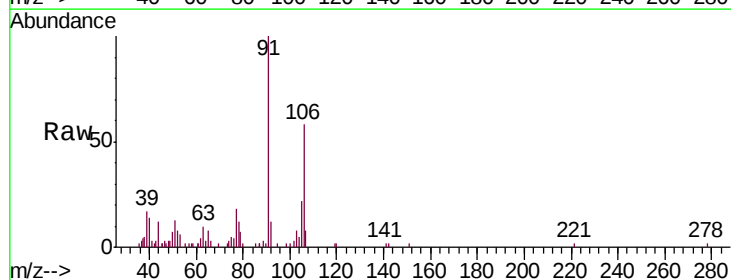


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

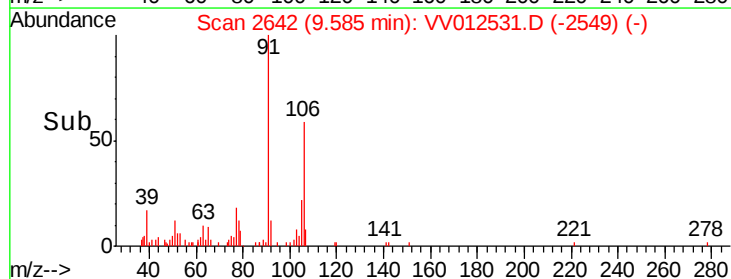
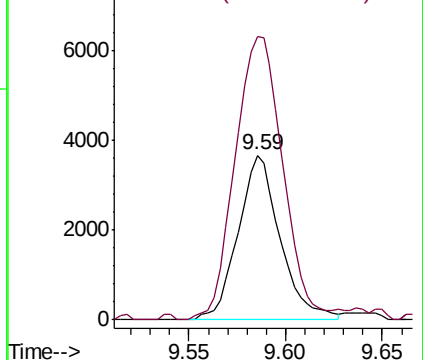


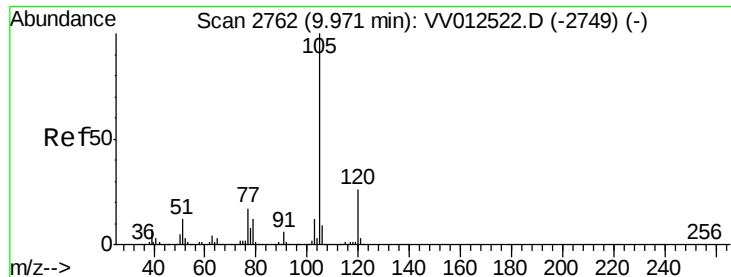
#54
o-xylene
Concen: 0.234 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012531.D
Acq: 02 Sep 2019 16:10

Tgt Ion:106 Resp: 5561
Ion Ratio Lower Upper
106 100
91 171.6 159.5 296.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.053 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

BFD63

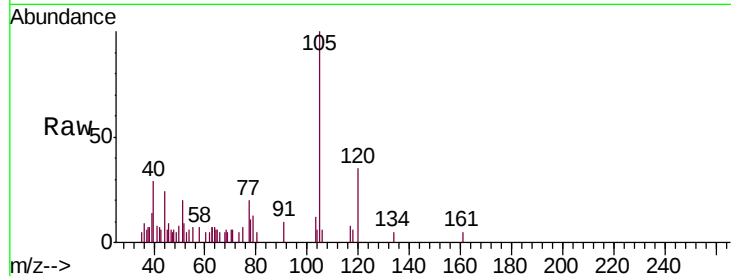
Tgt Ion: 105 Resp: 3507

Ion Ratio Lower Upper

105 100

120 32.6 20.9 31.3#

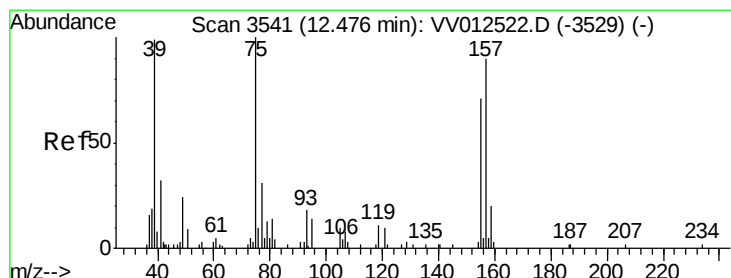
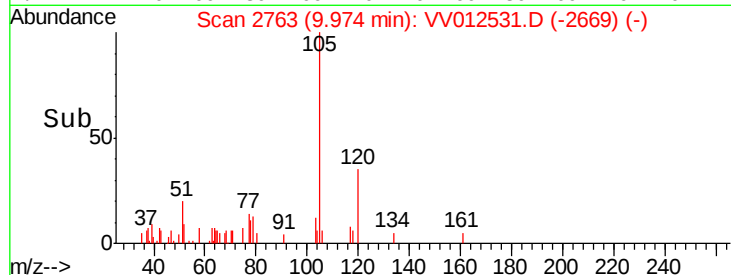
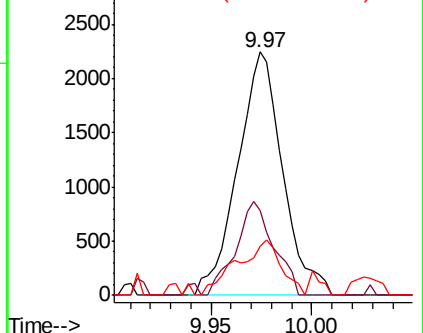
77 22.5 13.5 20.3#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.061 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. -0.02 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

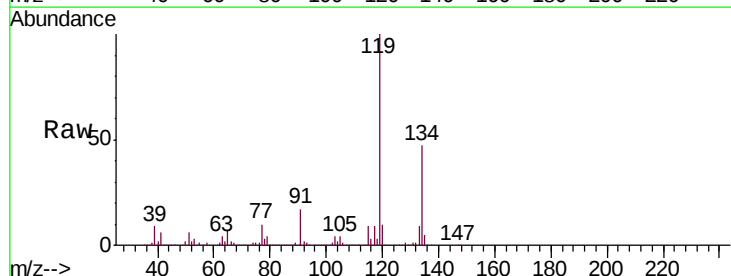
Tgt Ion: 75 Resp: 5473

Ion Ratio Lower Upper

75 100

155 0.0 50.6 75.8#

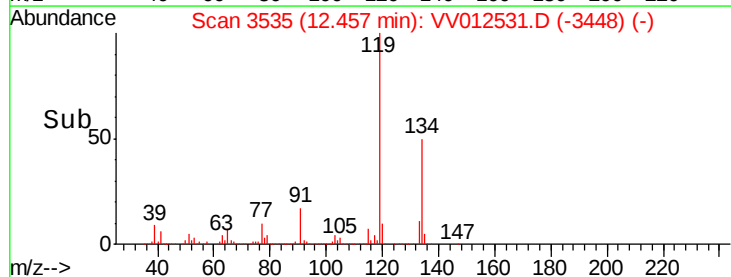
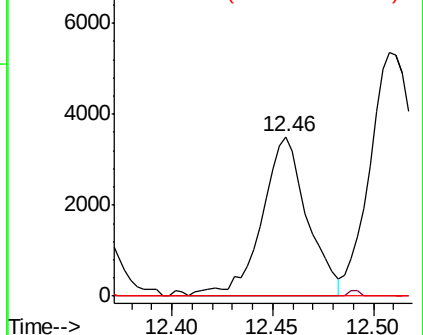
157 0.0 72.6 109.0#

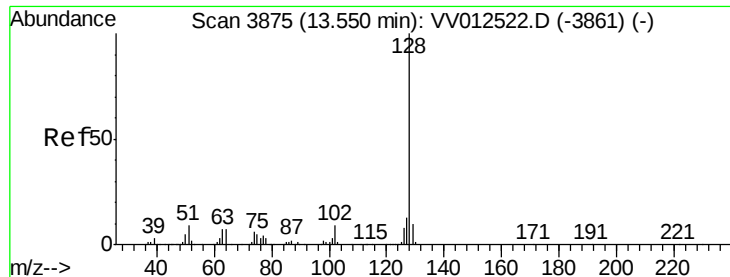


Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 66.985 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012531.D

Acq: 02 Sep 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

BFD63

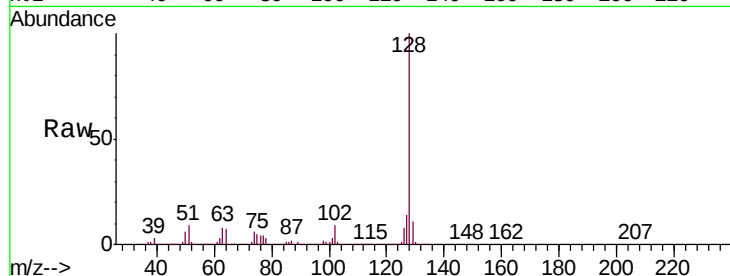
Tgt Ion:128 Resp: 1530435

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.5 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

