

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090619\
 Data File : VV012594.D
 Acq On : 06 Sep 2019 12:22
 Operator : SY/MD
 Sample : K4685-10
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD79

Quant Time: Sep 06 12:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 06 03:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	148393	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	150709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	53397	5.00	ug/L	0.00

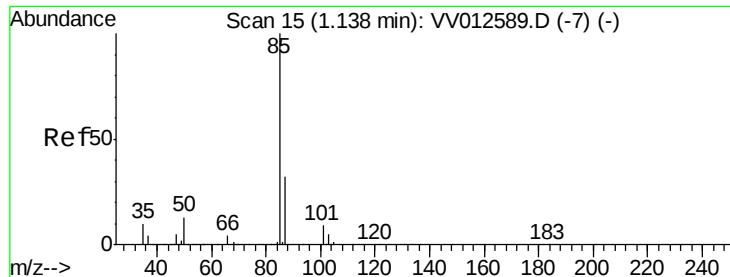
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66531	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	67079	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.13	63	106455	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.96	46	162881	60.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.36%
24) Chloroform-d	4.40	84	106918	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.08	65	60445	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.10	84	194053	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.12	67	64452	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	150517	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.67	79	19130	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	90159	54.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	44911	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	49911	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	2916	0.187 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	1254	0.071 ug/L #	1
13) Acetone	2.22	43	13055	3.976 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	29228	1.022 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	5213	0.375 ug/L	85
25) Chloroform	4.43	83	5489	0.188 ug/L	96
34) Trichloroethene	5.96	95	34167	2.248 ug/L	97
35) Methylcyclohexane	6.12	83	15327	0.675 ug/L #	17
45) 1,1,2-Trichloroethane	8.01	97	9355	0.966 ug/L #	8
47) Tetrachloroethene	8.02	164	941093	84.938 ug/L	97
48) 2-Hexanone	8.19	43	17157	2.852 ug/L #	50
49) Dibromochloromethane	8.02	129	872916	79.443 ug/L #	12
51) Chlorobenzene	8.93	112	12348	0.337 ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	3618	0.177 ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.187 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

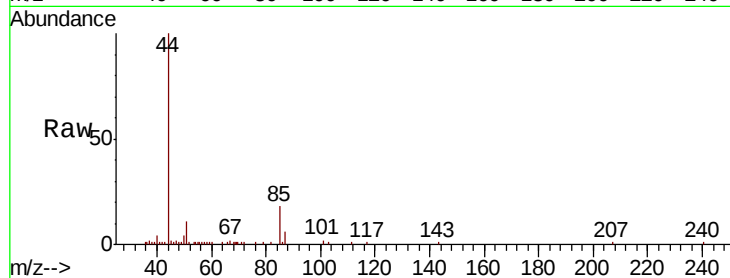
BFD79

Tgt Ion: 85 Resp: 2916

Ion Ratio Lower Upper

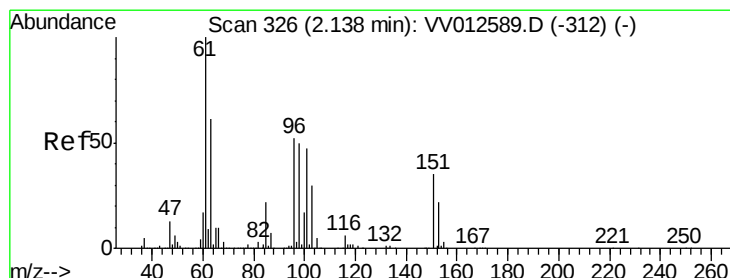
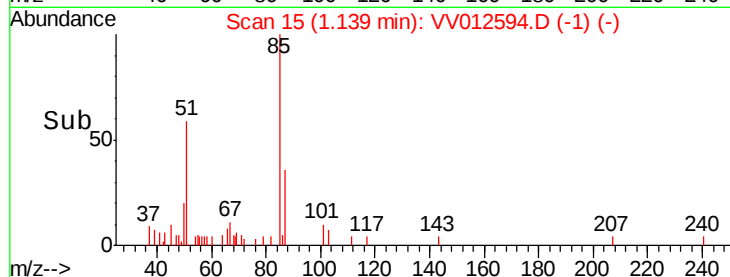
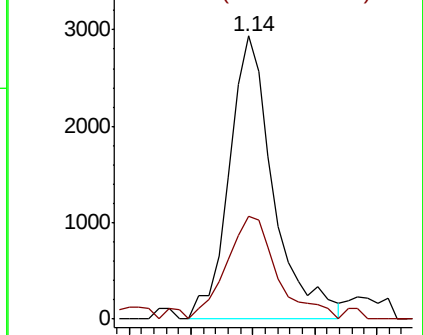
85 100

87 41.4 25.2 37.8#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

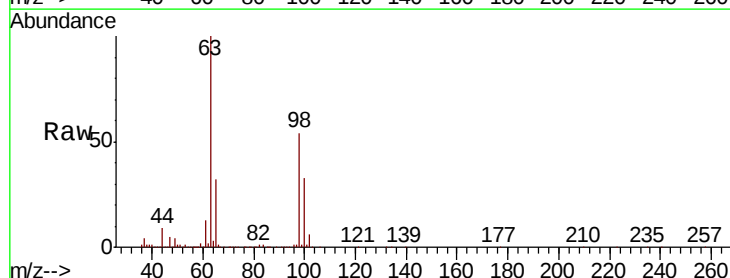
Tgt Ion: 96 Resp: 1254

Ion Ratio Lower Upper

96 100

61 1207.8 132.7 246.5#

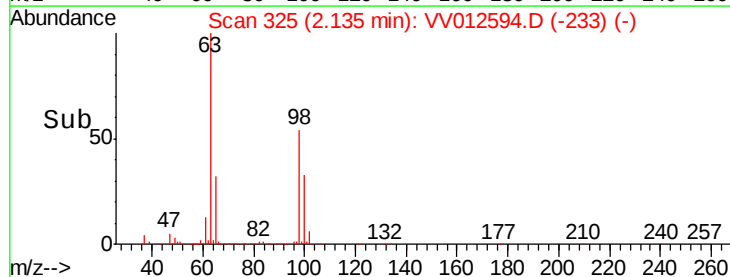
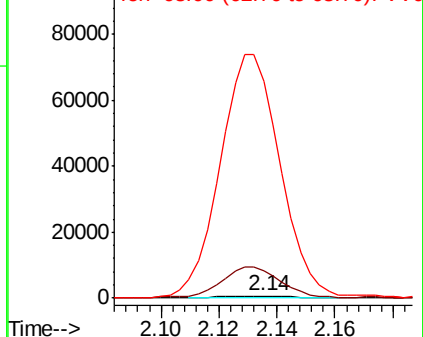
63 9466.5 84.1 156.1#

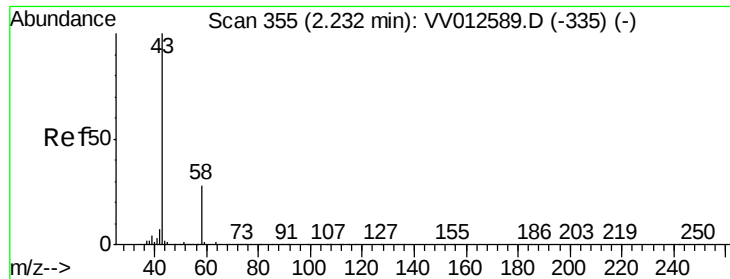


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.976 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

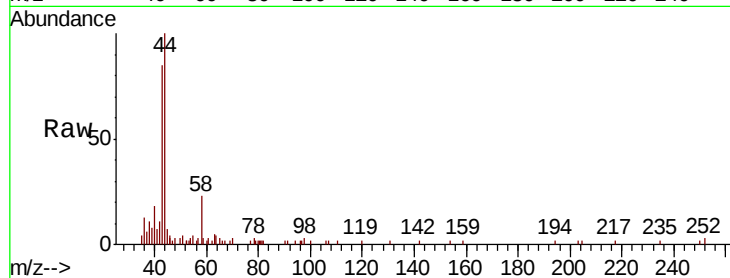
BFD79

Tgt Ion: 43 Resp: 13055

Ion Ratio Lower Upper

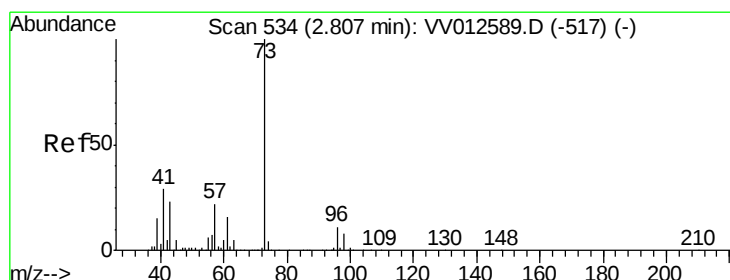
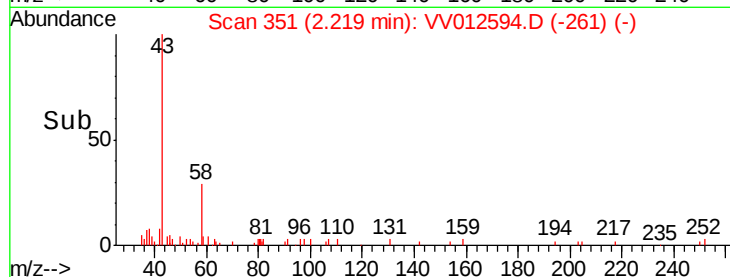
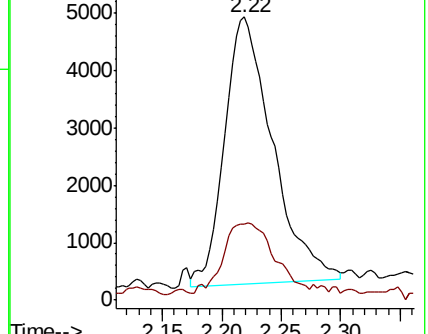
43 100

58 29.1 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#17

Methyl tert-butyl Ether

Concen: 1.022 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

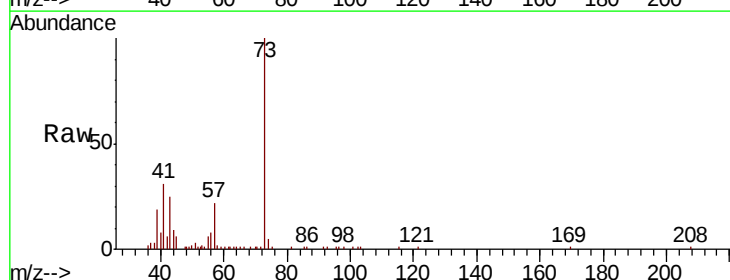
Tgt Ion: 73 Resp: 29228

Ion Ratio Lower Upper

73 100

43 22.9 18.9 28.3

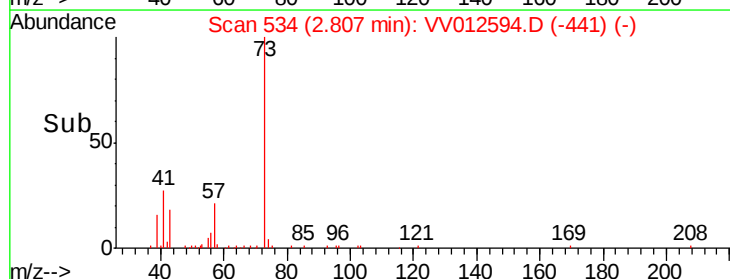
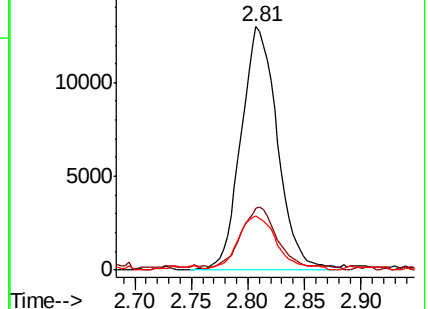
57 23.9 18.9 28.3

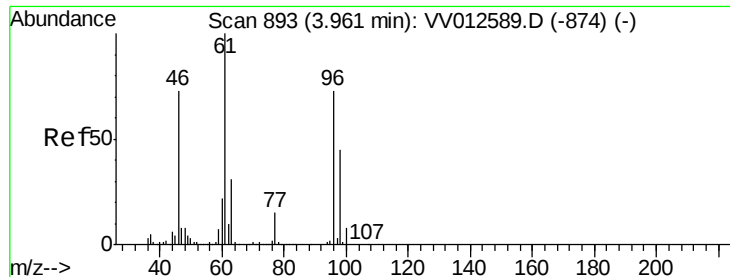


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.375 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Instrument :
MSVOA_V
ClientSampled :
BFD79

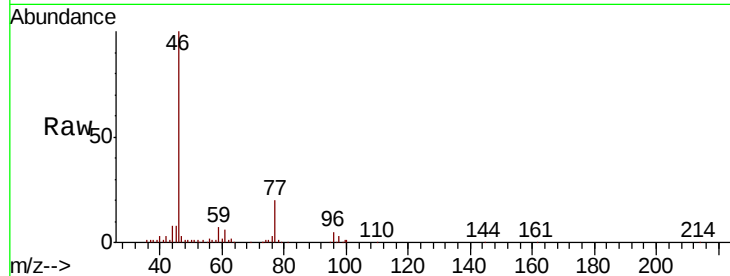
Tgt Ion: 96 Resp: 5213

Ion Ratio Lower Upper

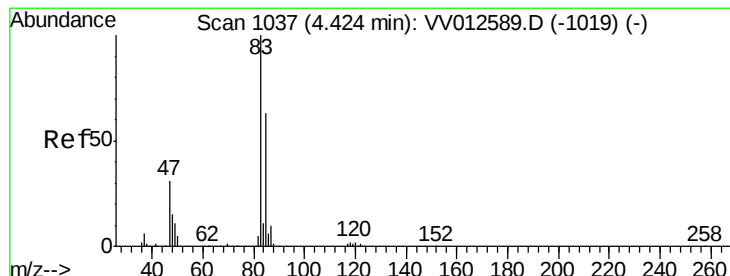
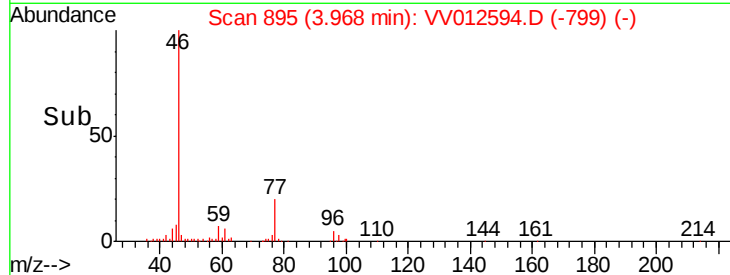
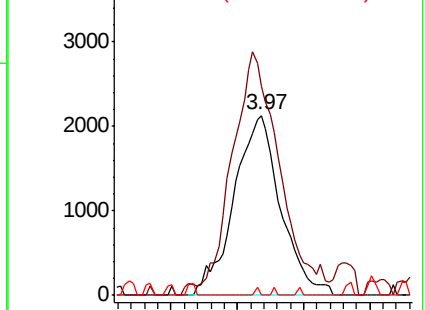
96 100

61 116.4 93.9 174.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.188 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012594.D

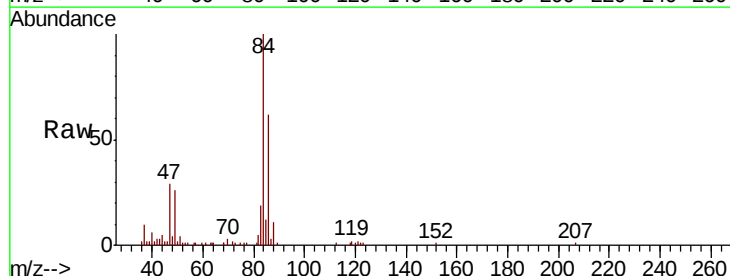
Acq: 06 Sep 2019 12:22

Tgt Ion: 83 Resp: 5489

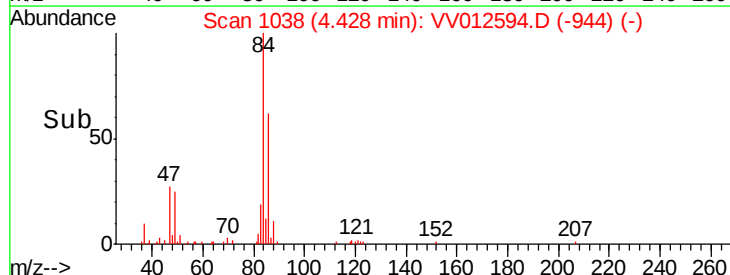
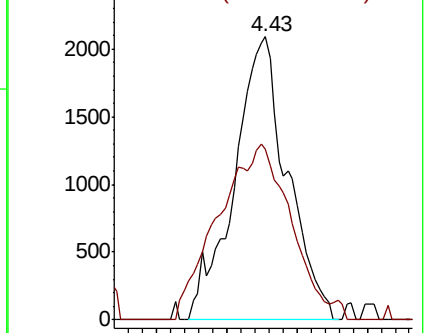
Ion Ratio Lower Upper

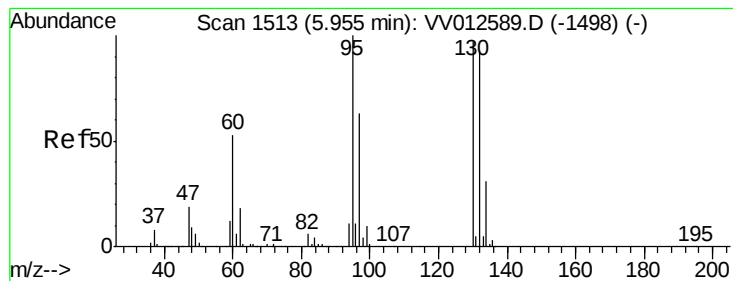
83 100

85 60.3 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 2.248 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

BFD79

Tgt Ion: 95 Resp: 34167

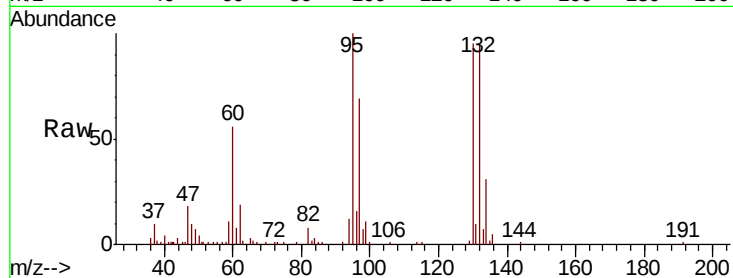
Ion Ratio Lower Upper

95 100

97 69.0 43.9 81.5

132 95.0 64.8 120.4

130 95.2 67.1 124.7

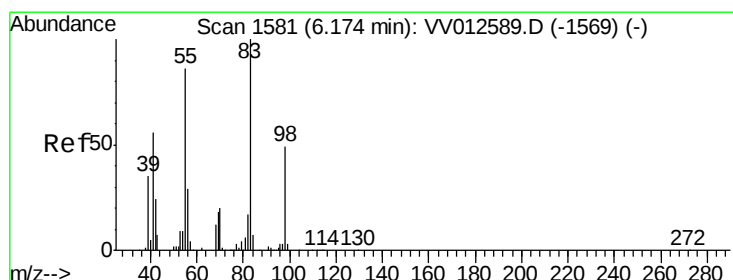
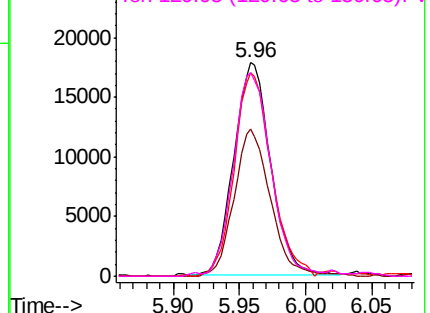
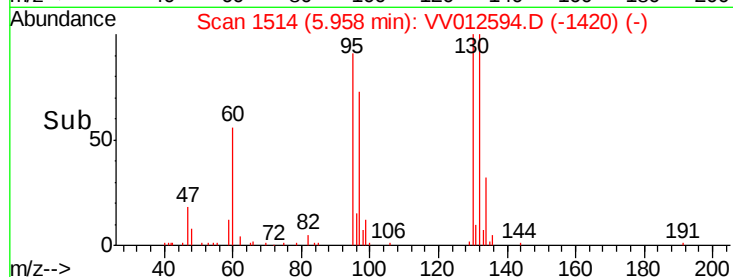


Abundance Ion 95.00 (94.70 to 95.70): VV012589.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012589.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012589.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012589.D (-1498) (-)



#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

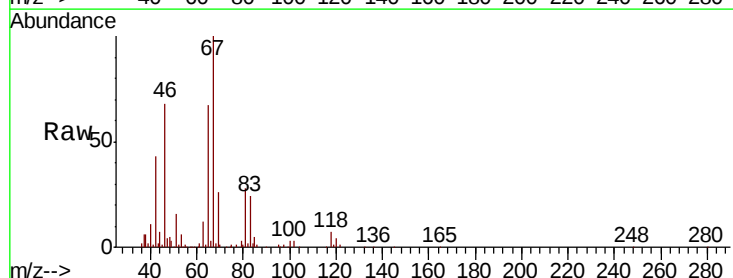
Tgt Ion: 83 Resp: 15327

Ion Ratio Lower Upper

83 100

55 3.3 69.0 103.6#

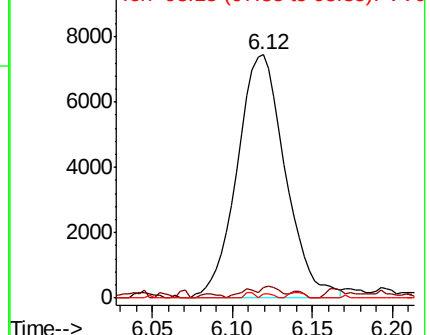
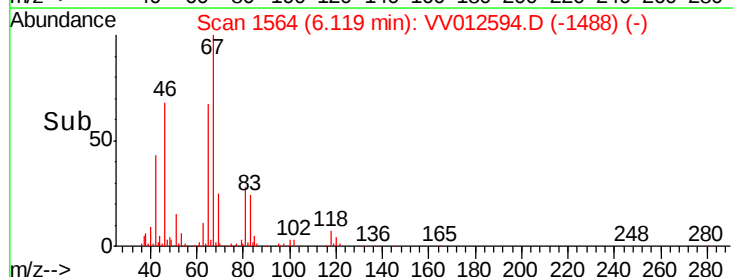
98 0.0 38.0 57.0#

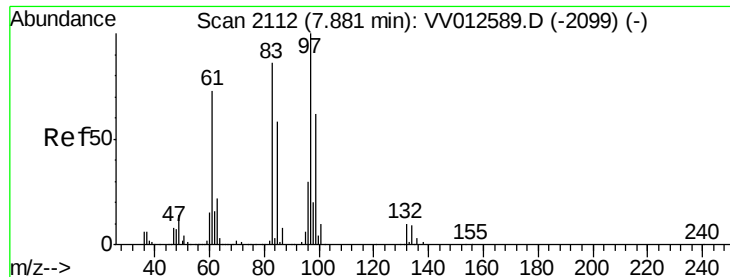


Abundance Ion 83.15 (82.85 to 83.85): VV012589.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012589.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012589.D (-1569) (-)





#45

1,1,2-Trichloroethane

Concen: 0.966 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.13 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

BFD79

Tgt Ion: 97 Resp: 9355

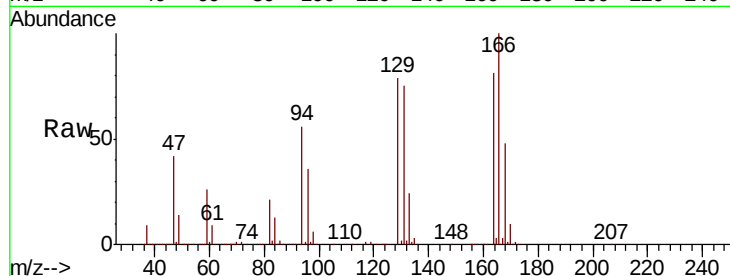
Ion Ratio Lower Upper

97 100

99 18.3 44.3 82.3#

83 247.3 62.6 116.3#

85 47.9 40.7 75.5

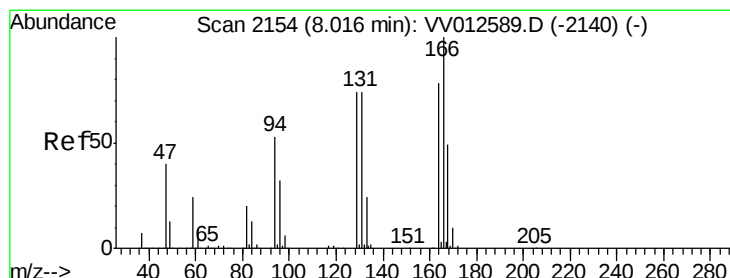
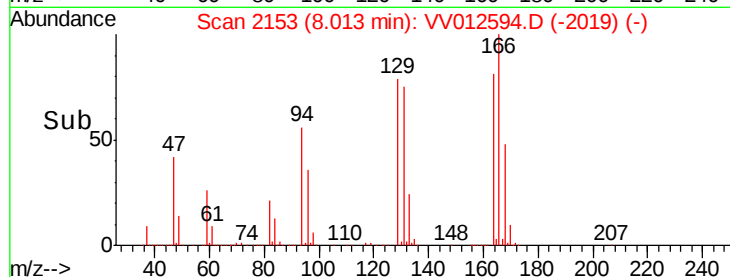
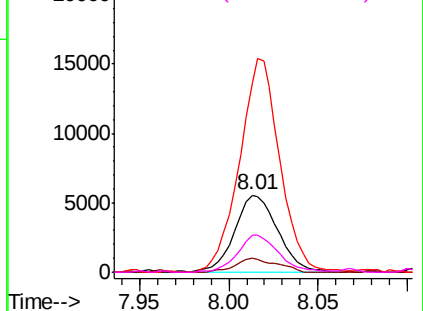


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 84.938 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Tgt Ion: 164 Resp: 941093

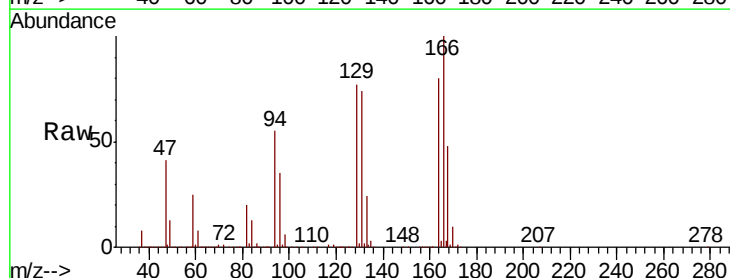
Ion Ratio Lower Upper

164 100

129 97.1 65.0 120.6

131 92.4 62.0 115.2

166 125.6 87.0 161.6

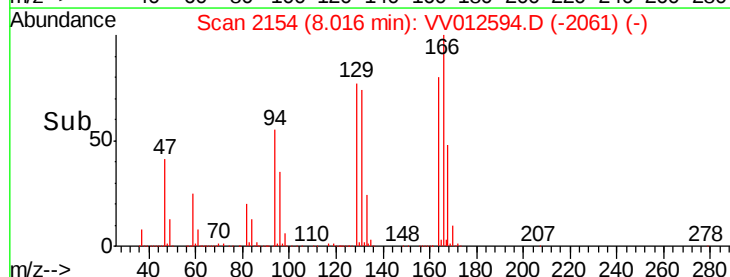
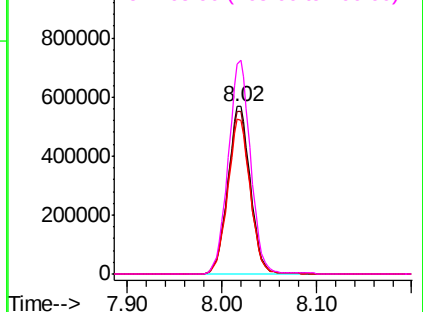


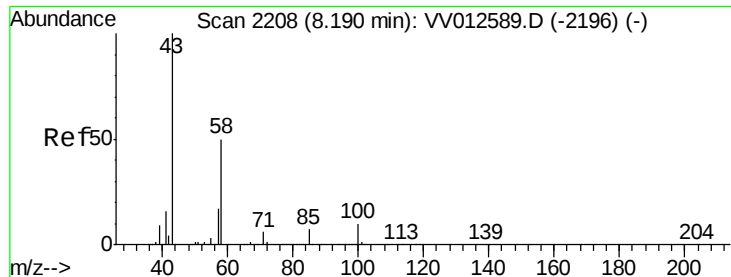
Abundance Ion 163.90 (163.60 to 164.60): V

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

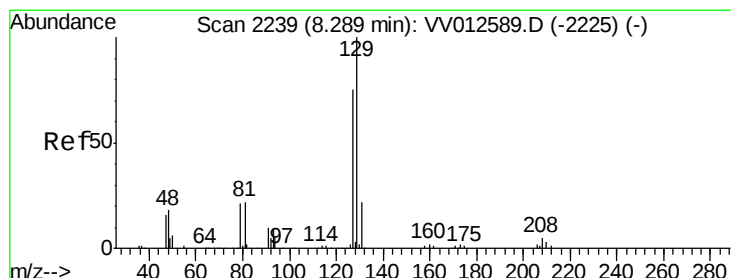
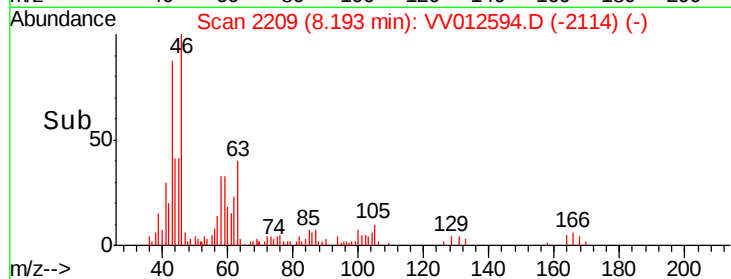
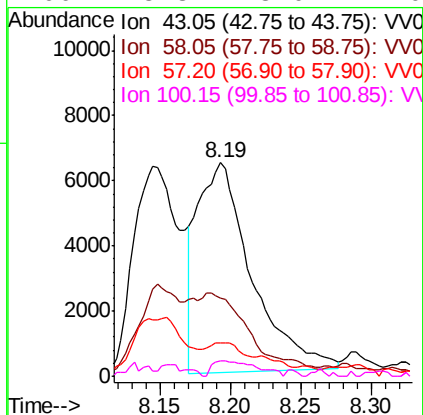
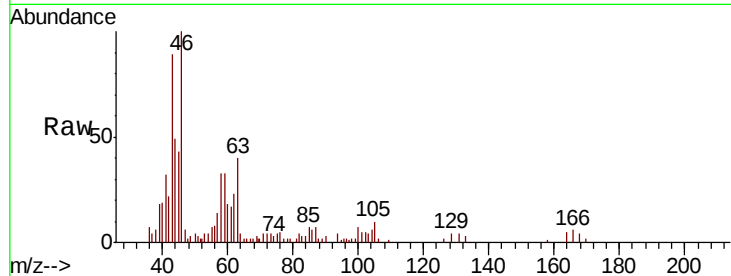




#48
2-Hexanone
Concen: 2.852 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012594.D
Acq: 06 Sep 2019 12:22

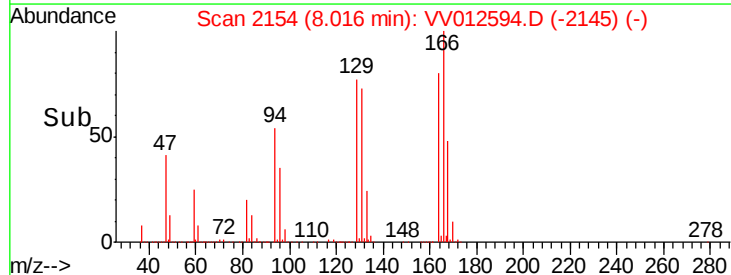
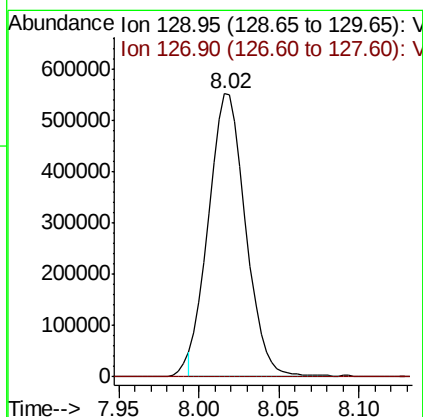
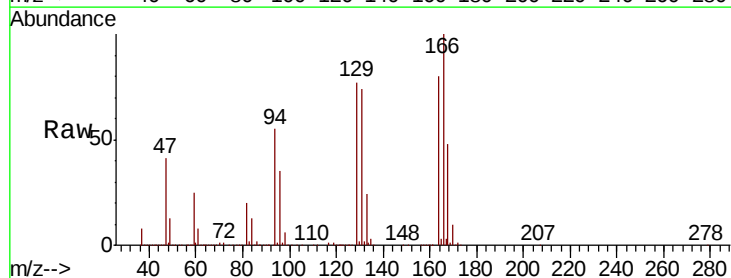
Instrument :
MSVOA_V
ClientSampleId :
BFD79

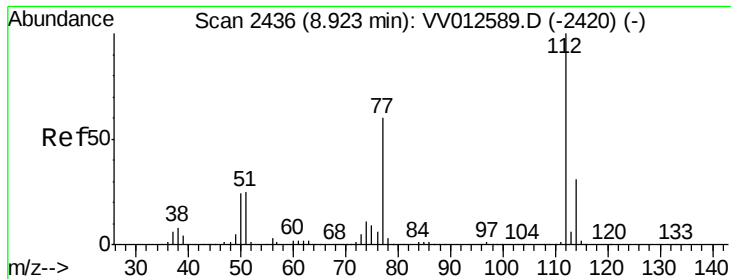
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.3	58.9#
57	12.8	12.9	19.3#
100	5.3	8.0	12.0#



#49
Dibromochloromethane
Concen: 79.443 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012594.D
Acq: 06 Sep 2019 12:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.0	98.4#





#51

Chlorobenzene

Concen: 0.337 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

BFD79

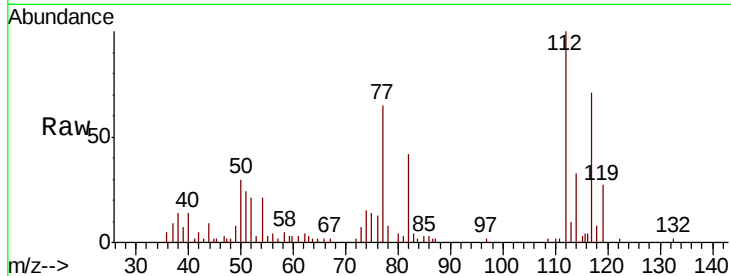
Tgt Ion:112 Resp: 12348

Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

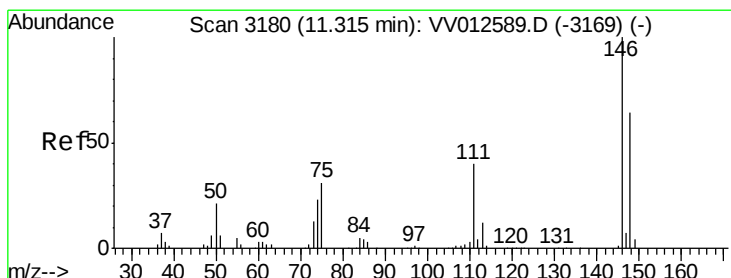
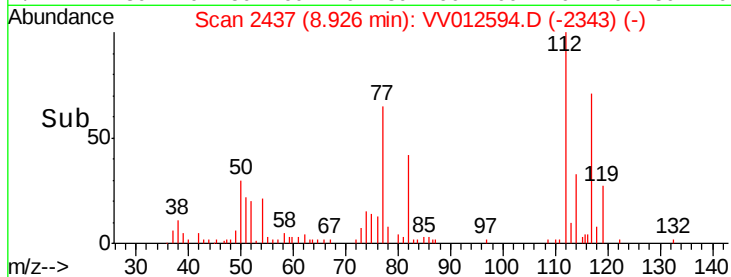
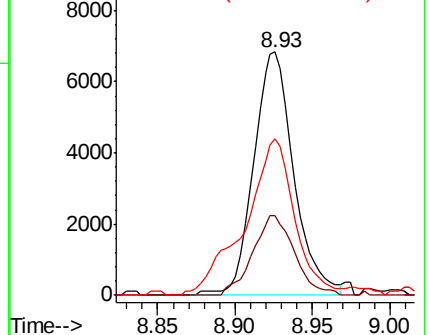
77 64.6 51.7 77.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.177 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.01 min

Lab File: VV012594.D

Acq: 06 Sep 2019 12:22

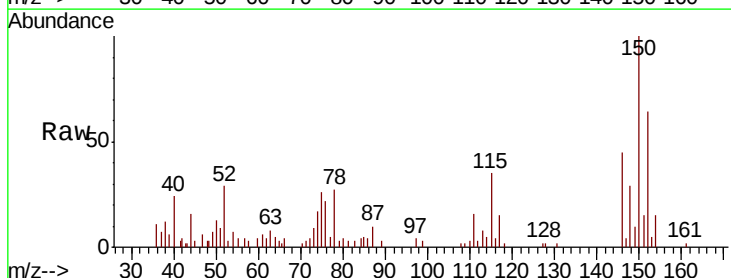
Tgt Ion:146 Resp: 3618

Ion Ratio Lower Upper

146 100

111 35.9 27.5 51.1

148 63.6 44.8 83.2



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

