

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016061.D
 Acq On : 14 May 2020 11:28
 Operator : SY/MD
 Sample : L2598-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161483	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158759	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69509	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47092	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.58	69	45858	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.40%
11) 1,1-Dichloroethene-d2	2.12	63	71084	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	3.93	46	132548	53.04	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.08%
24) Chloroform-d	4.38	84	93692	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.06	65	55897	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.08	84	192541	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.10	67	61057	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.34	98	167367	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.65	79	20740	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
48) 2-Hexanone-d5	8.11	63	100884	50.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41898	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	62900	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	1953	0.158 ug/L #	87
8) Chloroethane	1.58	64	3867	0.453 ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	666	0.072 ug/L #	20
12) 1,1-Dichloroethene	2.12	96	661	0.074 ug/L #	1
13) Acetone	2.21	43	4544	2.756 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	2553	0.248 ug/L	93
25) Chloroform	4.41	83	9366	0.450 ug/L	98
34) Trichloroethene	5.94	95	7347	0.644 ug/L	93
35) Methylcyclohexane	6.09	83	14614	0.847 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	7503	0.739 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1807	0.126 ug/L #	76
46) trans-1,3-Dichloropropene	7.65	75	1132	0.093 ug/L #	53
49) Tetrachloroethene	8.00	164	9114	1.146 ug/L	96
50) 2-Hexanone	8.12	43	16042	3.586 ug/L #	74
51) Dibromochloromethane	8.00	129	8788	1.154 ug/L #	9

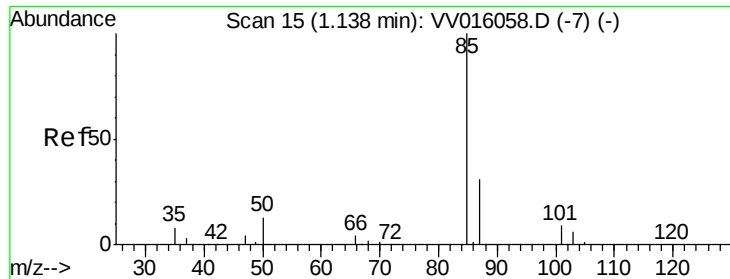
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
Data File : VV016061.D
Acq On : 14 May 2020 11:28
Operator : SY/MD
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Quant Time: May 15 06:29:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration

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

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



#2

Dichlorodifluoromethane

Concen: 0.158 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

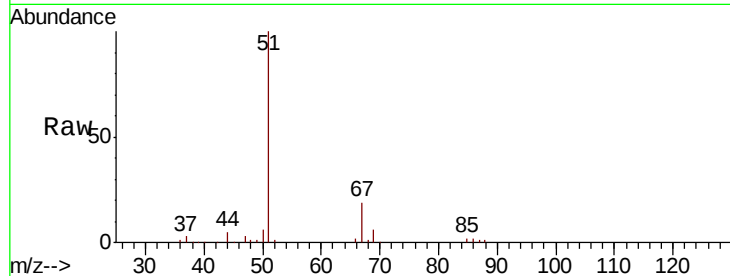
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 1953

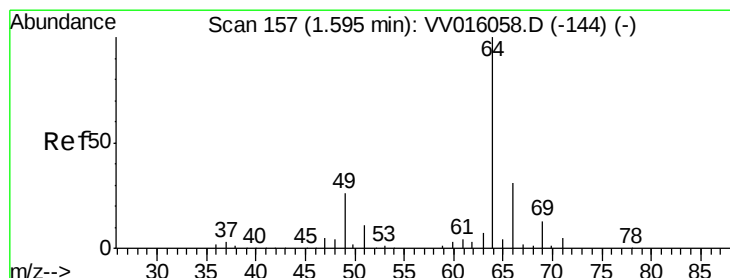
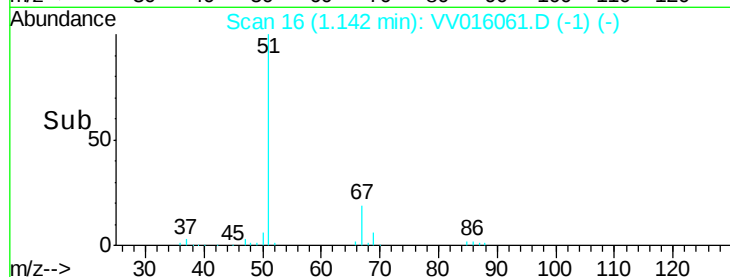
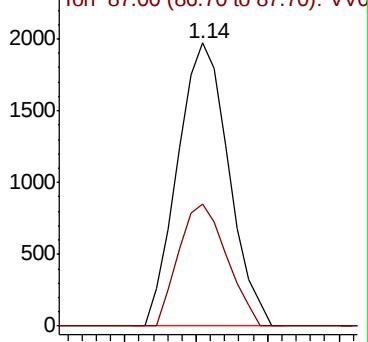
Ion Ratio Lower Upper

85 100

87 40.6 26.4 39.6#



Abundance Ion 85.00 (84.70 to 85.70): VV016061.D (-1) (-)



#8

Chloroethane

Concen: 0.453 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV016061.D

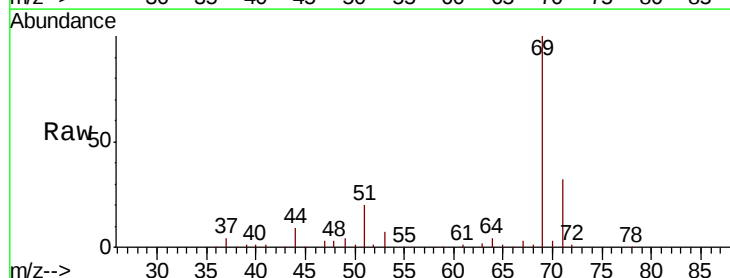
Acq: 14 May 2020 11:28

Tgt Ion: 64 Resp: 3867

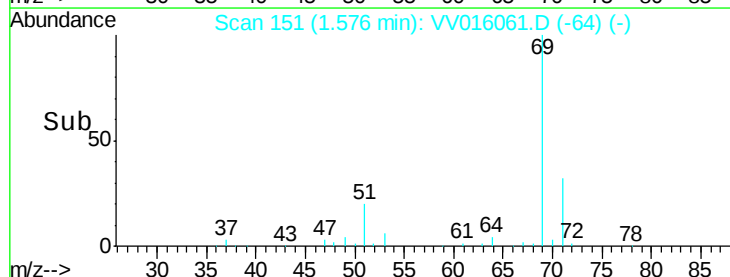
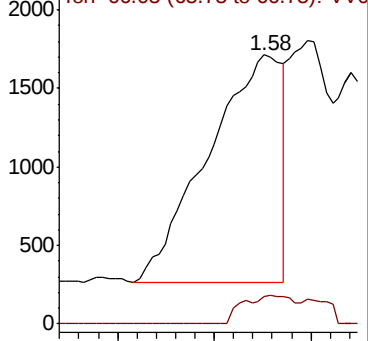
Ion Ratio Lower Upper

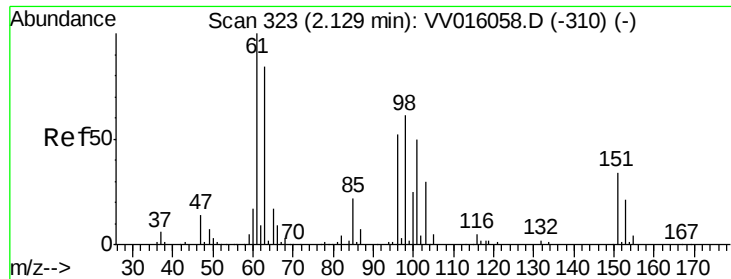
64 100

66 10.3 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV016061.D (-64) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.072 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

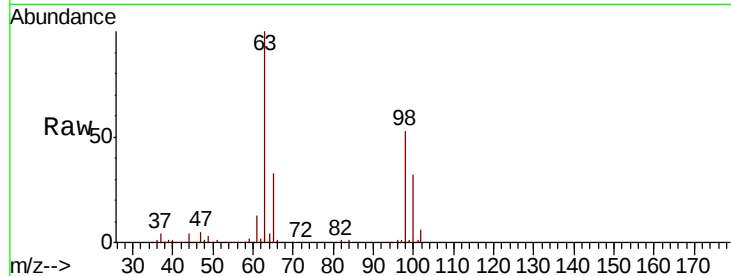
Tot Ion:101 Resp: 666

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

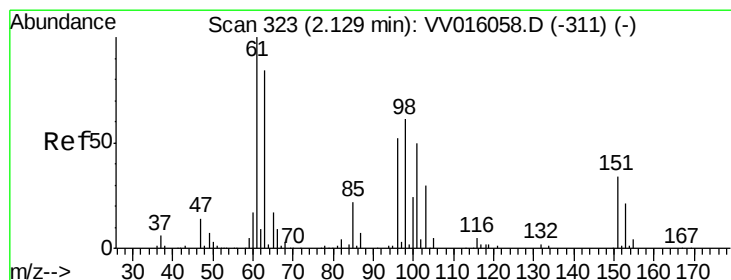
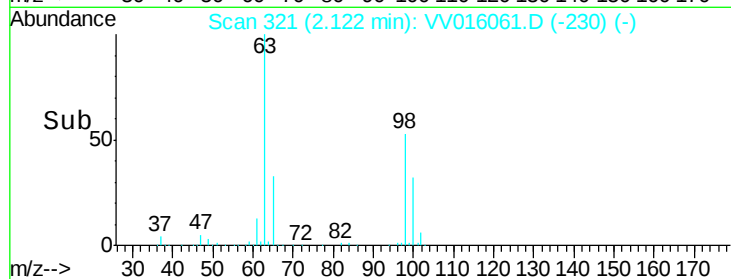
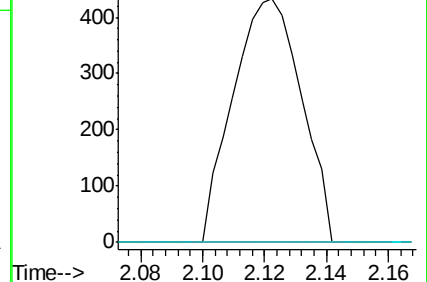
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

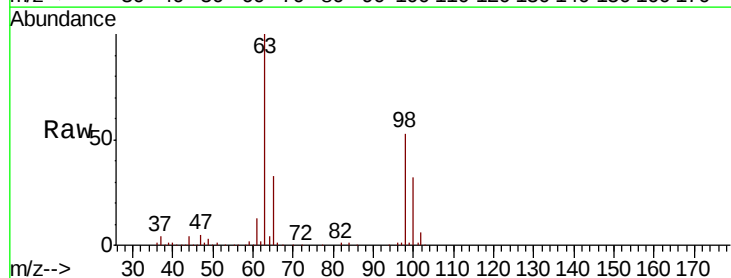
Tgt Ion: 96 Resp: 661

Ion Ratio Lower Upper

96 100

61 1453.4 139.9 259.7#

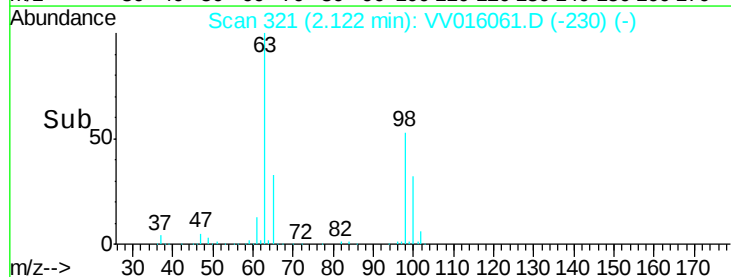
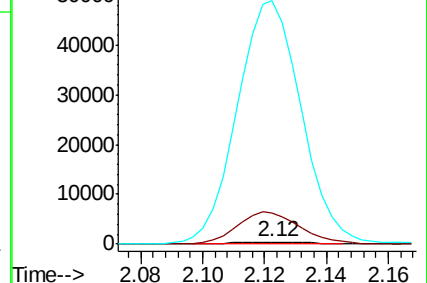
63 11170.8 106.4 197.6#

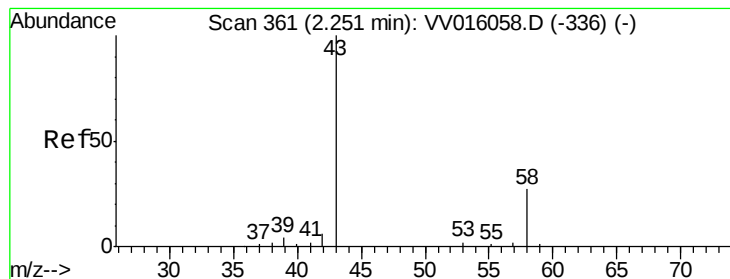


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.756 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.04 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

Instrument :

MSVOA_V

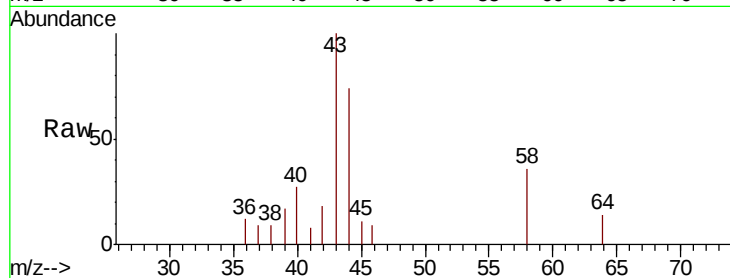
ClientSampled :

Tot Ion: 43 Resp: 4544

Ion Ratio Lower Upper

43 100

58 16.2 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016061.D (-268) (-)

Ion 58.05 (57.75 to 58.75): VV016061.D (-268) (-)

2.21

1500

1000

500

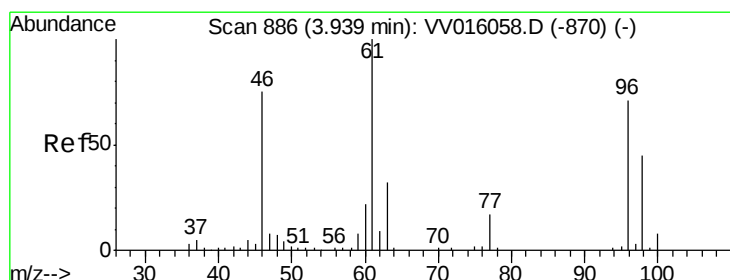
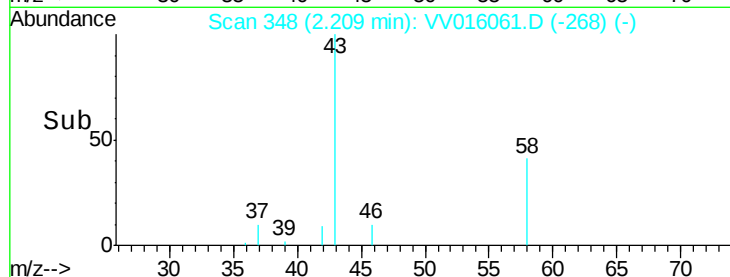
0

Time-->

2.10

2.20

2.30



#22

cis-1,2-Dichloroethene

Concen: 0.248 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

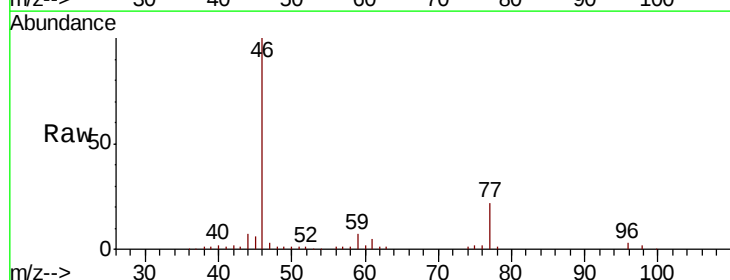
Tgt Ion: 96 Resp: 2553

Ion Ratio Lower Upper

96 100

61 147.4 97.2 180.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016061.D (-793) (-)

Ion 61.05 (60.75 to 61.75): VV016061.D (-793) (-)

Ion 68.15 (67.85 to 68.85): VV016061.D (-793) (-)

3.94

2000

1500

1000

500

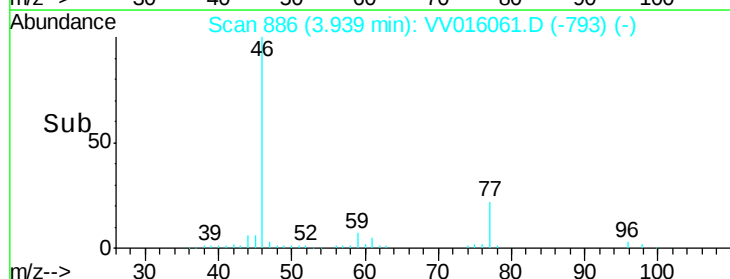
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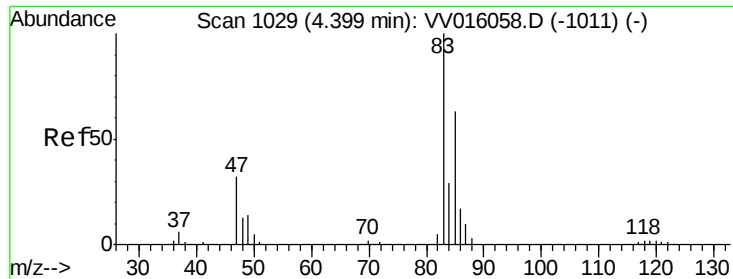
Time-->

3.90

3.95

4.00

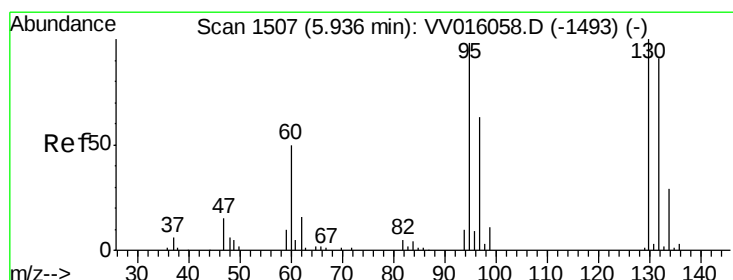
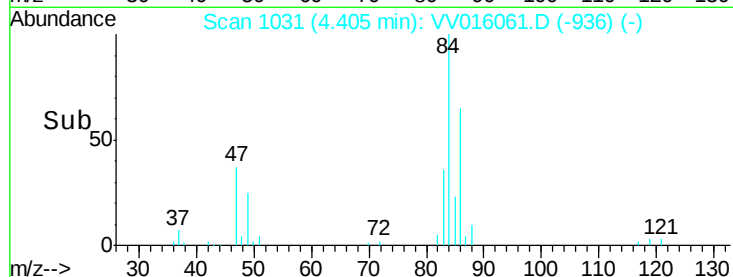
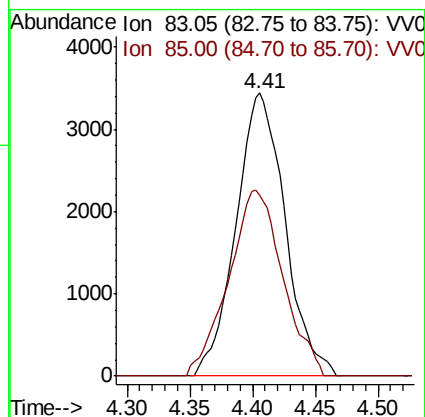
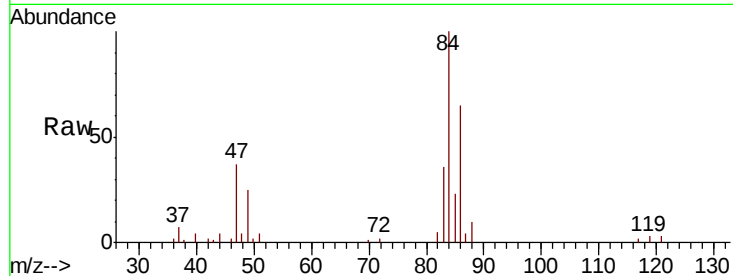




#25
Chloroform
Concen: 0.450 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016061.D
Acq: 14 May 2020 11:28

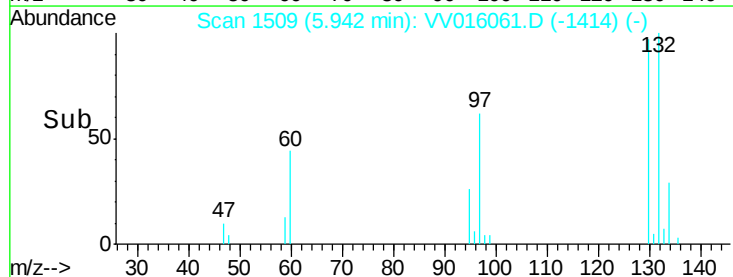
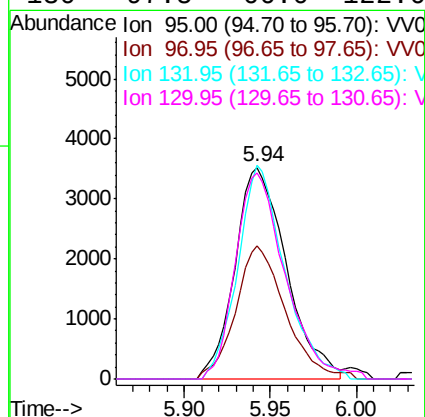
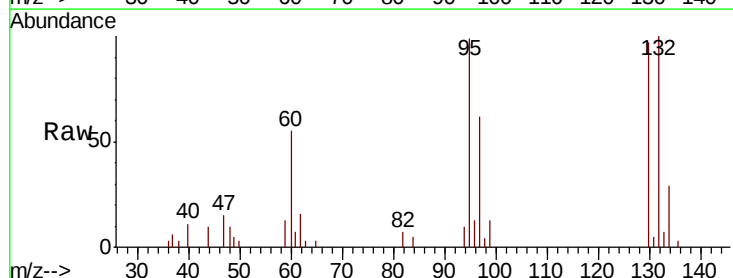
Instrument :
MSVOA_V
ClientSampleId :

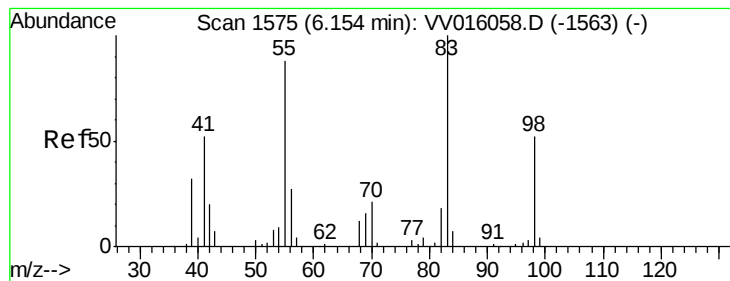
Tot Ion: 83 Resp: 9366
Ion Ratio Lower Upper
83 100
85 63.7 45.7 84.9



#34
Trichloroethene
Concen: 0.644 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV016061.D
Acq: 14 May 2020 11:28

Tgt Ion: 95 Resp: 7347
Ion Ratio Lower Upper
95 100
97 62.7 43.3 80.5
132 101.0 60.3 112.1
130 97.5 66.0 122.6





#35

Methvlcvclohexane

Concen: 0.847 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

Instrument :
MSVOA_V
ClientSampleId :

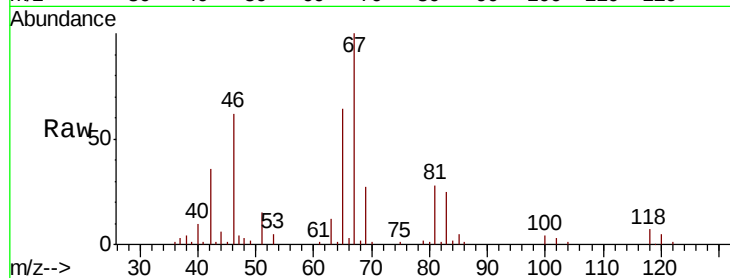
Tot Ion: 83 Resp: 14614

Ion Ratio Lower Upper

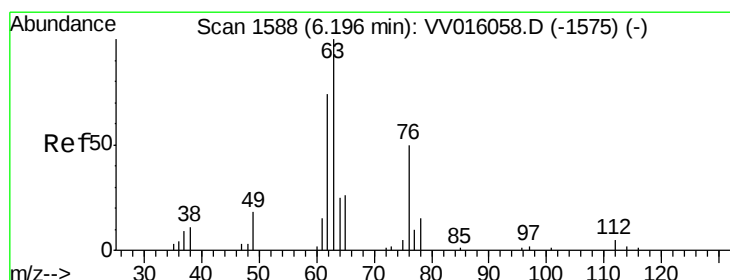
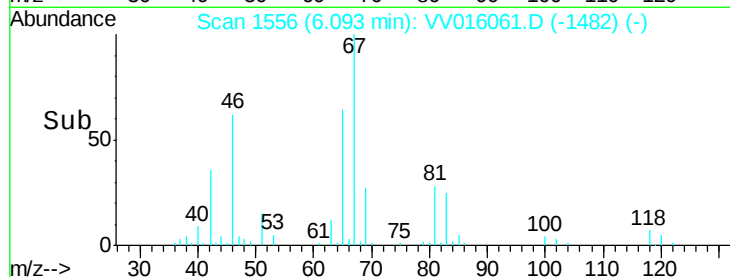
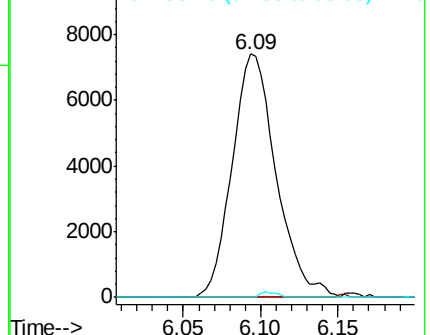
83 100

55 0.3 66.2 99.2#

98 0.9 37.9 56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.739 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016061.D

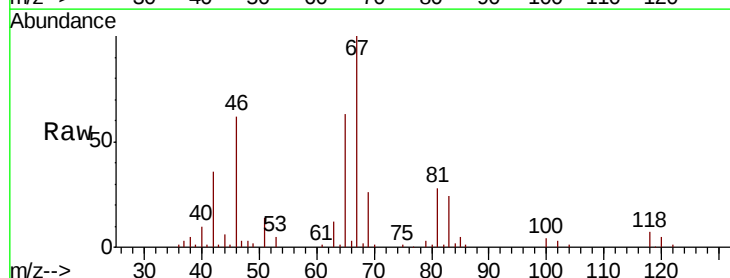
Acq: 14 May 2020 11:28

Tgt Ion: 63 Resp: 7503

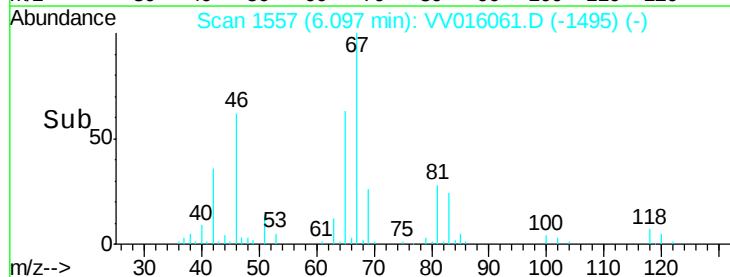
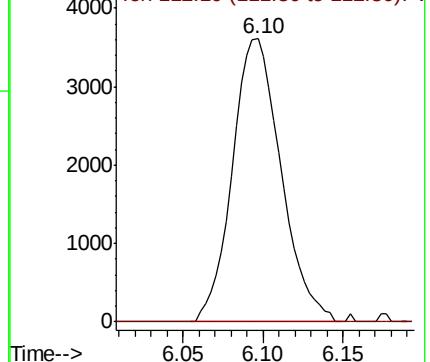
Ion Ratio Lower Upper

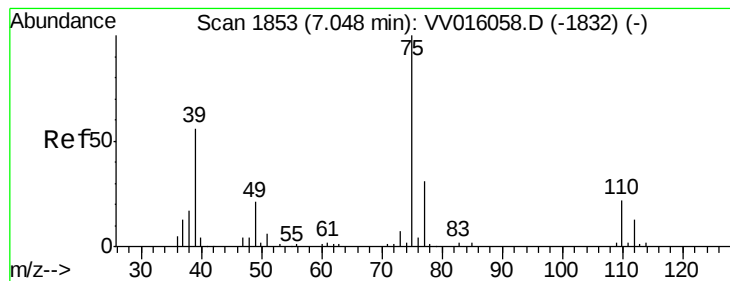
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



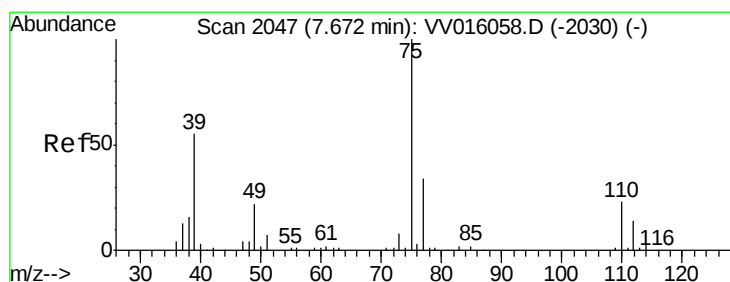
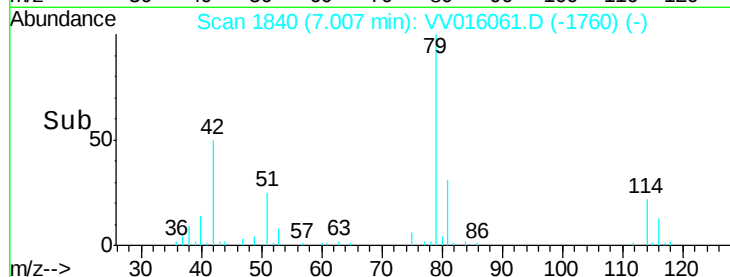
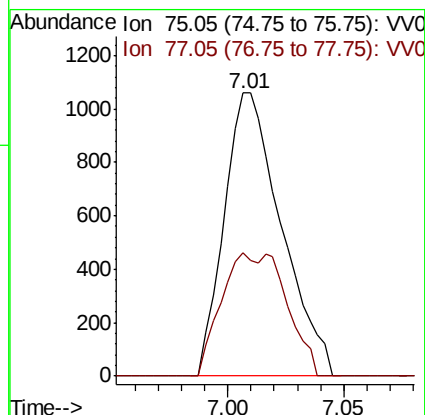
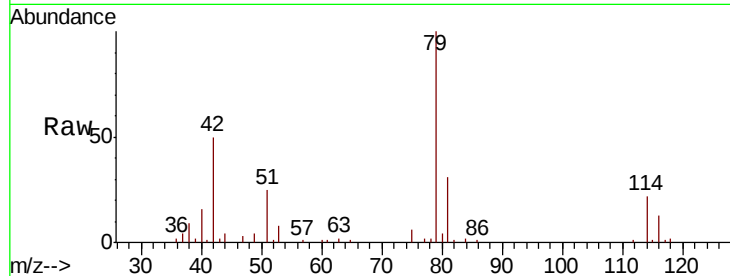


#39

cis-1,3-Dichloropropene
Concen: 0.126 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV016061.D
Acq: 14 May 2020 11:28

Instrument :
MSVOA_V
ClientSampled :

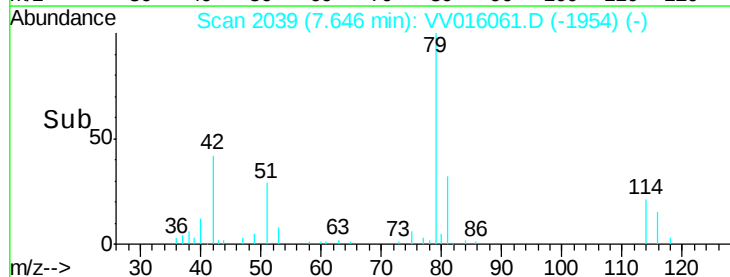
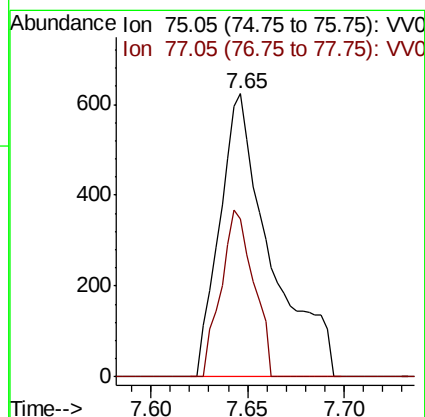
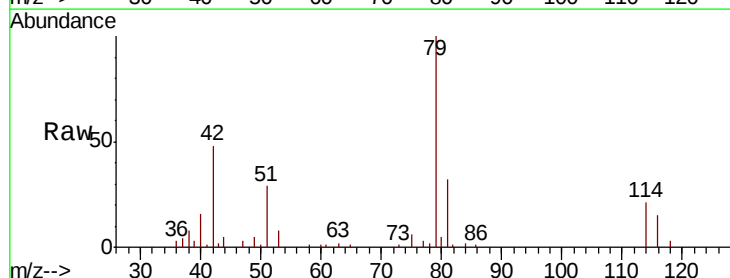
Tot Ion: 75 Resp: 1807
Ion Ratio Lower Upper
75 100
77 43.4 21.3 39.5#

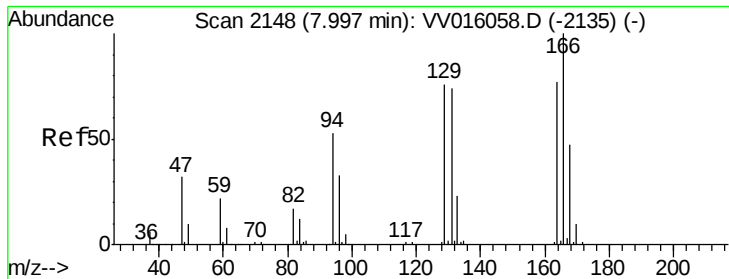


#46

trans-1,3-Dichloropropene
Concen: 0.093 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016061.D
Acq: 14 May 2020 11:28

Tgt Ion: 75 Resp: 1132
Ion Ratio Lower Upper
75 100
77 56.0 21.3 39.6#





#49

Tetrachloroethene

Concen: 1.146 ug/L

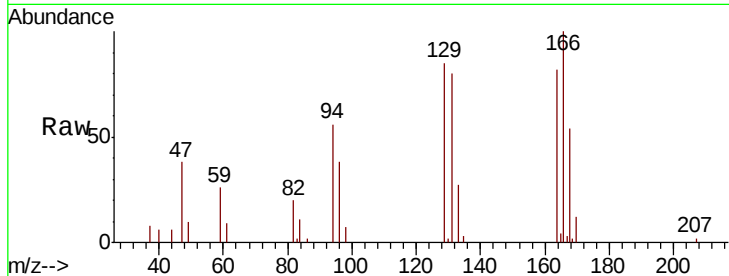
RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

Instrument :
MSVOA_V
ClientSampleId :



Tot Ion:164 Resp: 9114

Ion Ratio Lower Upper

164 100

129 104.2 69.7 129.4

131 98.1 66.8 124.2

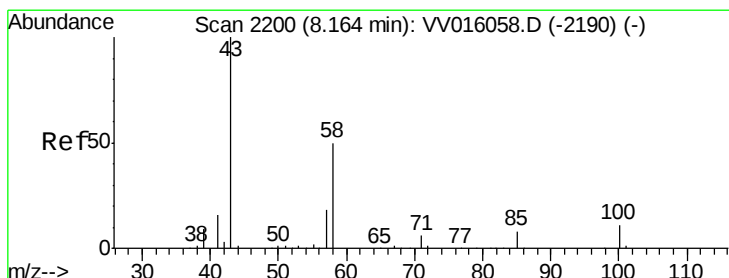
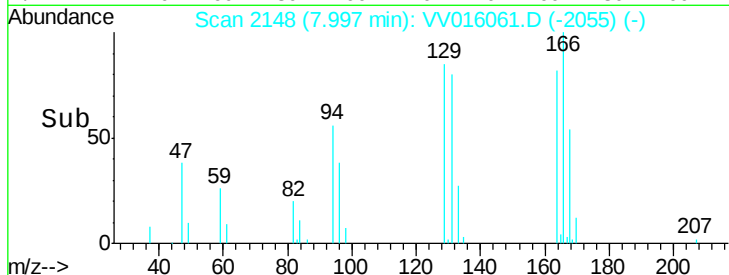
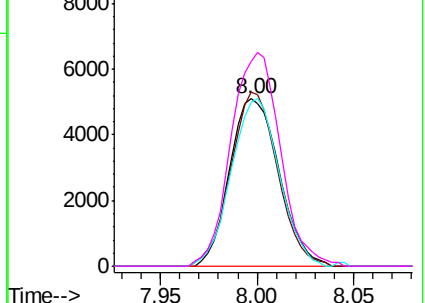
166 122.6 89.1 165.5

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



#50

2-Hexanone

Concen: 3.586 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016061.D

Acq: 14 May 2020 11:28

Tgt Ion: 43 Resp: 16042

Ion Ratio Lower Upper

43 100

58 31.4 40.8 61.2#

57 25.5 14.7 22.1#

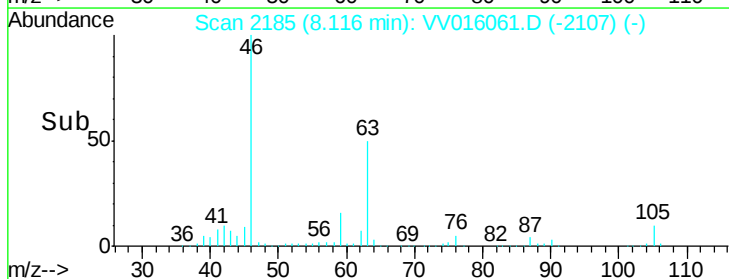
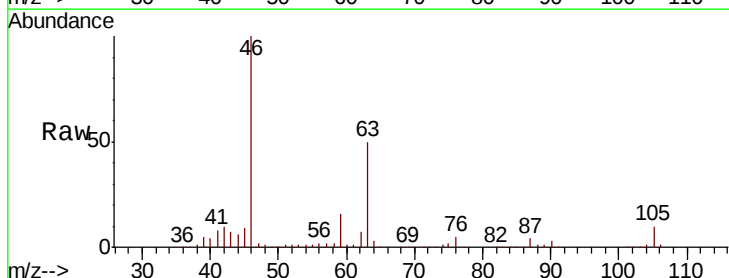
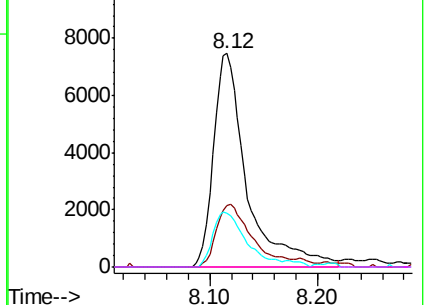
100 0.0 9.0 13.6#

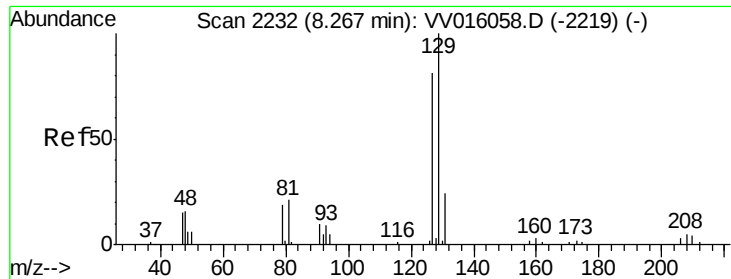
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

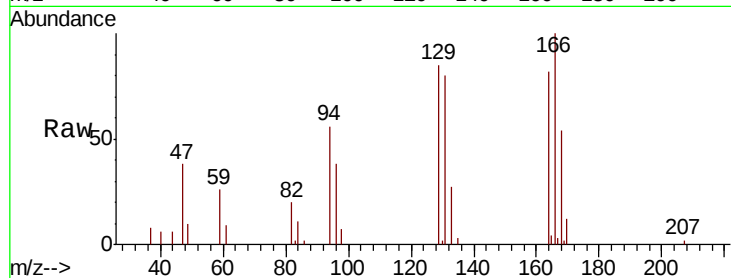




#51
 Dibromochloromethane
 Concen: 1.154 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV016061.D
 Acq: 14 May 2020 11:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 8788
 Ion Ratio Lower Upper
 129 100
 127 0.0 56.0 104.0#



Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V

