

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015579.D
 Acq On : 20 Apr 2020 13:45
 Operator : SY/MD
 Sample : L2333-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:09:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93245	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	87986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	41364	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21311	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	22148	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.12	63	34352	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.92	46	74029	54.49	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.98%
24) Chloroform-d	4.38	84	52255	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	30197	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	98131	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.09	67	32395	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.34	98	86008	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.65	79	9277	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
46) 2-Hexanone-d5	8.11	63	52261	40.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23030	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	32605	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

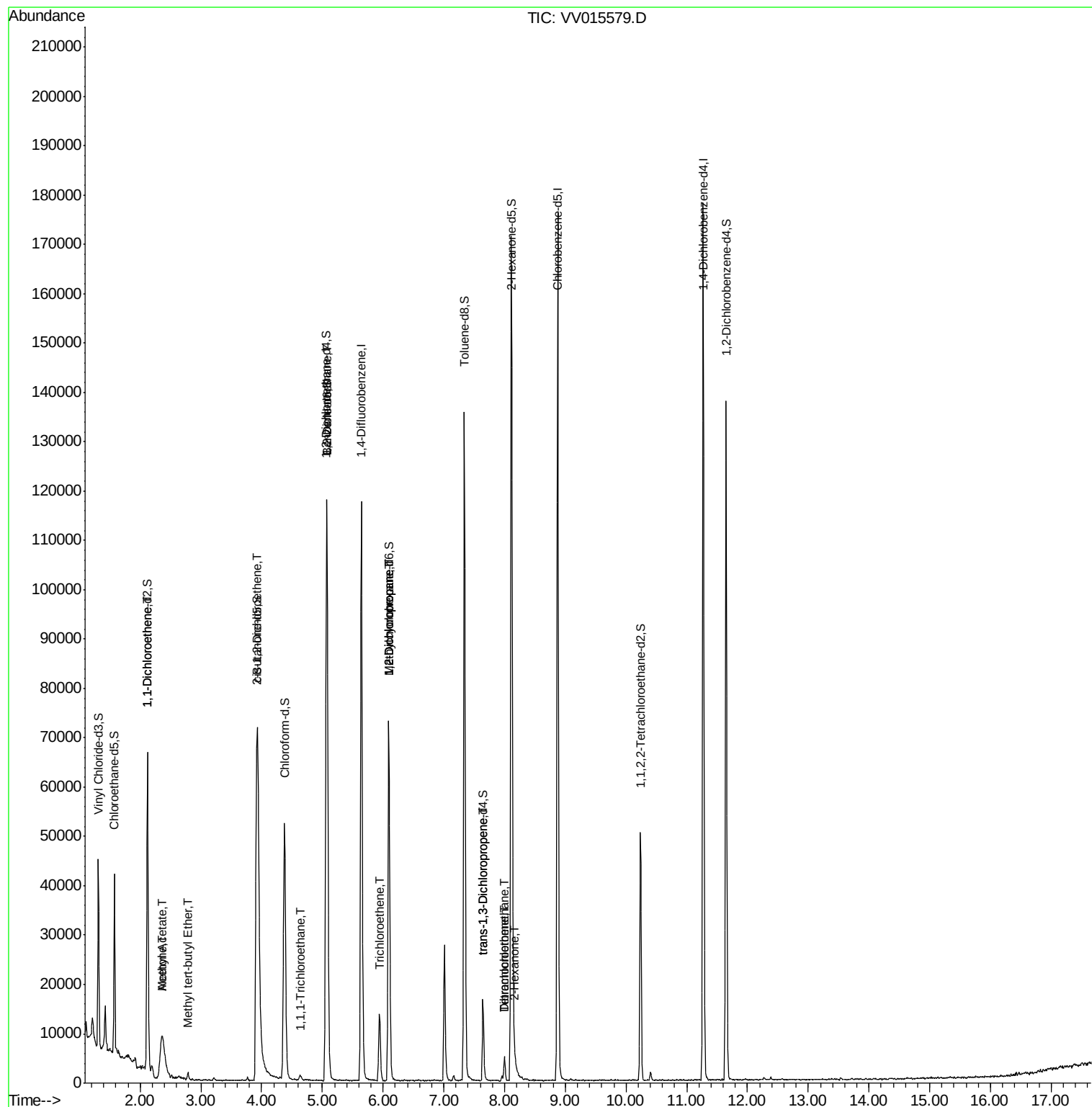
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	1639	0.280	ug/L #	1
13) Acetone	2.35	43	6187	6.446	ug/L	76
15) Methyl Acetate	2.35	43	6187	2.179	ug/L #	57
17) Methyl tert-butyl Ether	2.78	73	1039	0.066	ug/L #	86
22) cis-1,2-Dichloroethene	3.94	96	5495	0.802	ug/L	81
27) 1,2-Dichloroethane	5.08	62	637	0.077	ug/L #	77
29) 1,1,1-Trichloroethane	4.63	97	918	0.080	ug/L #	85
34) Trichloroethene	5.94	95	4736	0.668	ug/L	92
35) Methylcyclohexane	6.10	83	8145	0.682	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	4134	0.633	ug/L #	86
44) trans-1,3-Dichloropropene	7.64	75	583	0.069	ug/L #	71
47) Tetrachloroethene	8.00	164	968	0.184	ug/L	83
48) 2-Hexanone	8.17	43	1793	0.598	ug/L #	40
49) Dibromochloromethane	8.00	129	860	0.164	ug/L #	10

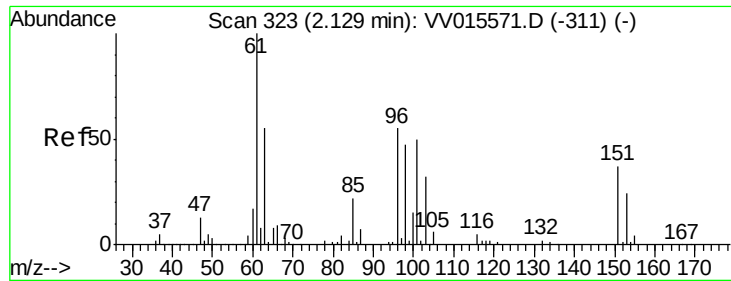
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

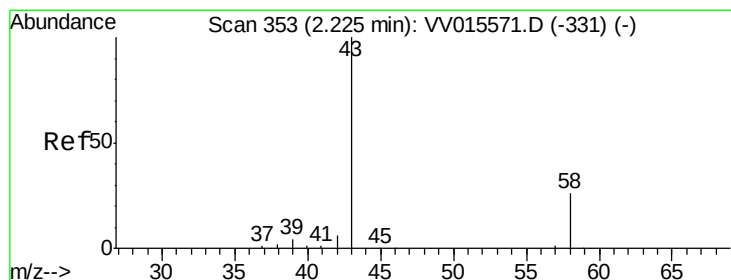
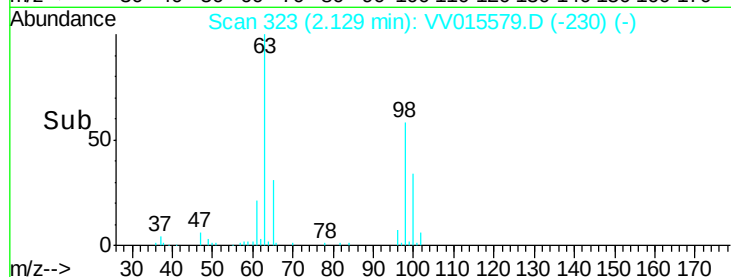
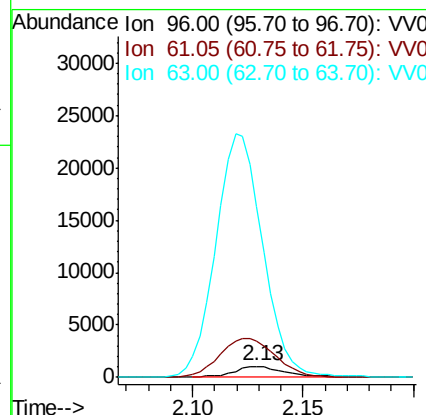
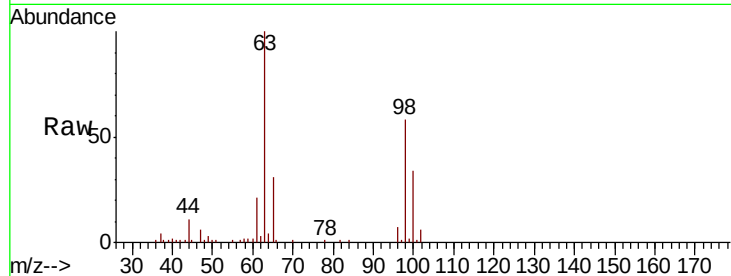




#12
 1,1-Dichloroethene
 Concen: 0.280 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VV015579.D
 Acq: 20 Apr 2020 13:45

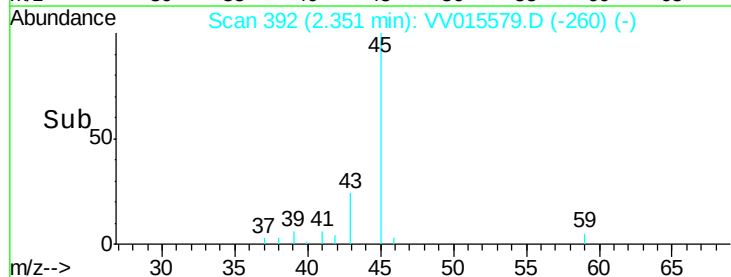
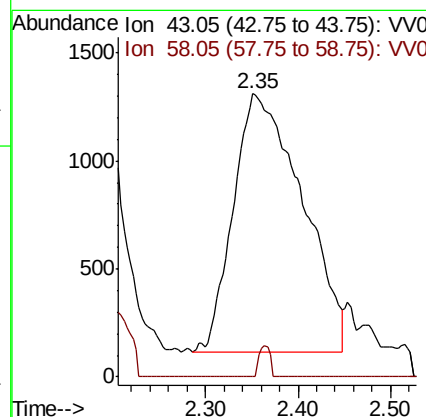
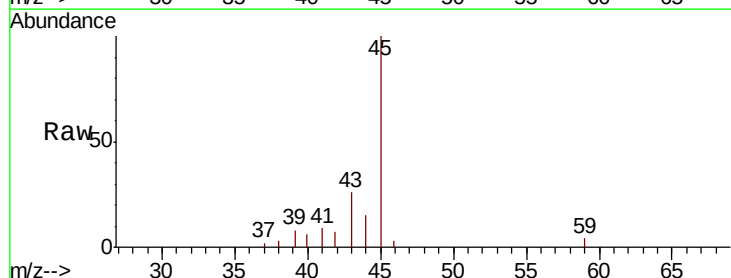
Instrument :
 MSVOA_V
 ClientSampled :

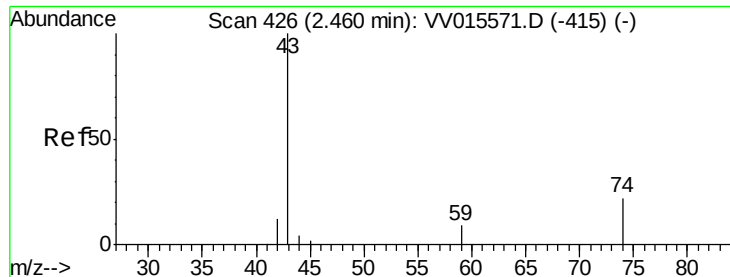
Tot Ion: 96 Resp: 1639
 Ion Ratio Lower Upper
 96 100
 61 325.4 127.7 237.1#
 63 1531.4 75.1 139.5#



#13
 Acetone
 Concen: 6.446 ug/L
 RT: 2.35 min Scan# 392
 Delta R.T. 0.13 min
 Lab File: VV015579.D
 Acq: 20 Apr 2020 13:45

Tgt Ion: 43 Resp: 6187
 Ion Ratio Lower Upper
 43 100
 58 2.0 0.0 22.2





#15

Methyl Acetate

Concen: 2.179 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.11 min

Lab File: VV015579.D

Acq: 20 Apr 2020 13:45

Instrument :

MSVOA_V

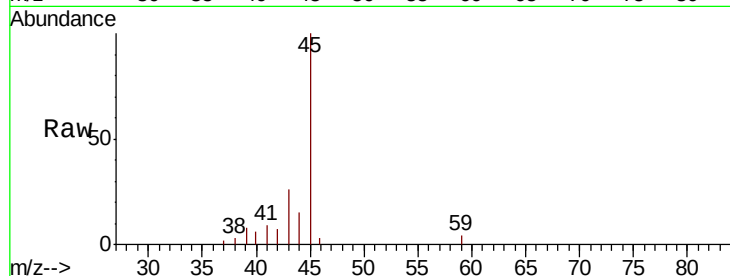
ClientSampled :

Tot Ion: 43 Resp: 6187

Ion Ratio Lower Upper

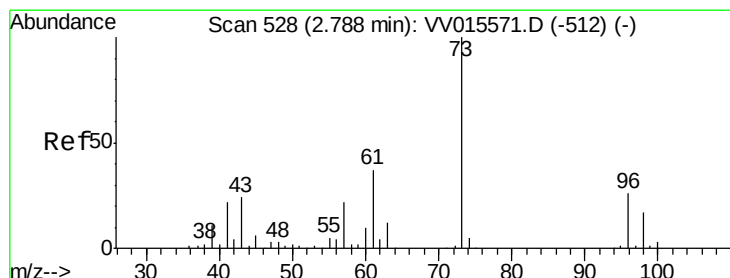
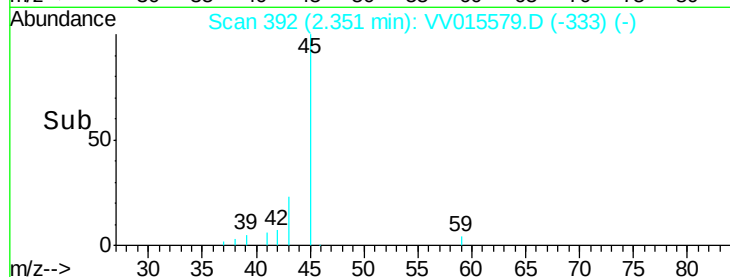
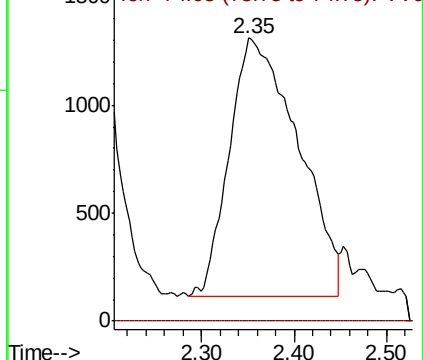
43 100

74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#17

Methyl tert-butyl Ether

Concen: 0.066 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV015579.D

Acq: 20 Apr 2020 13:45

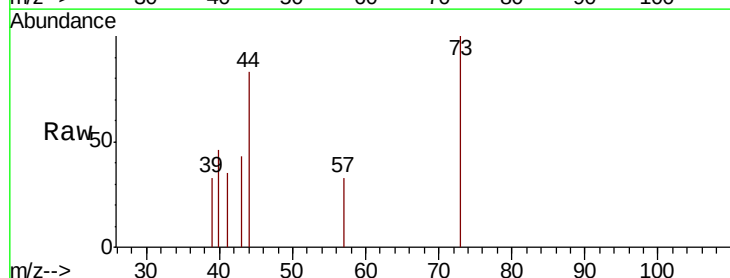
Tgt Ion: 73 Resp: 1039

Ion Ratio Lower Upper

73 100

43 37.0 18.3 27.5#

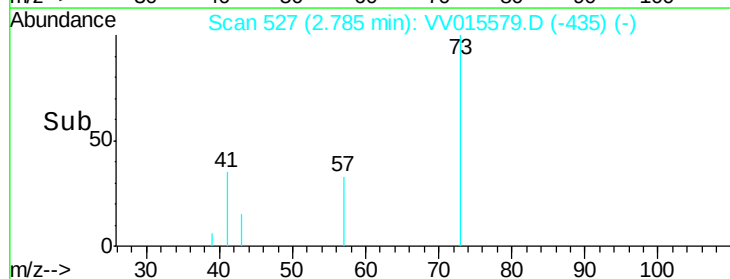
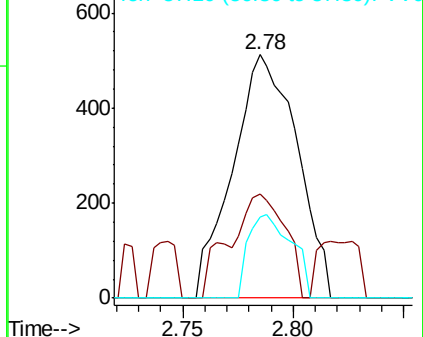
57 23.0 18.4 27.6

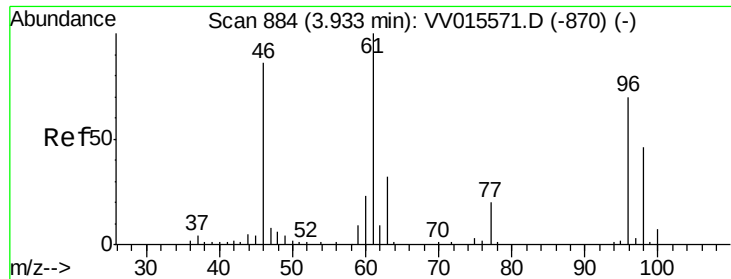


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



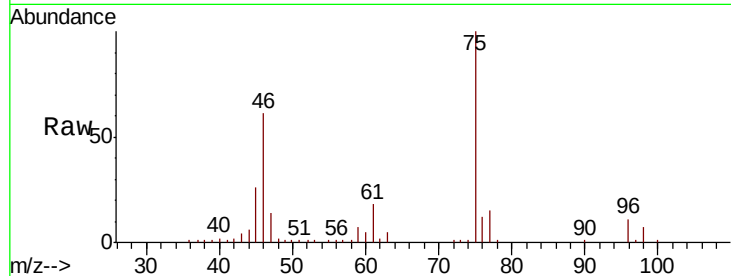


#22

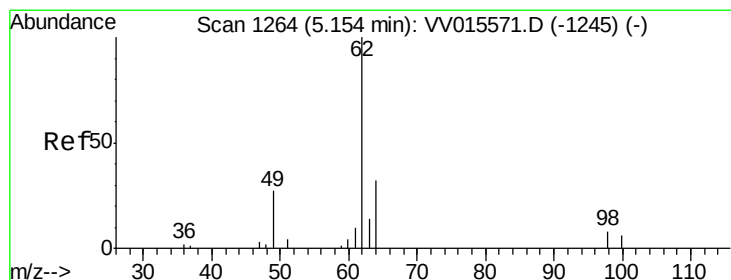
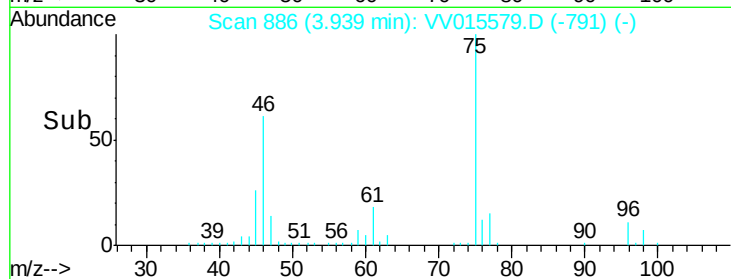
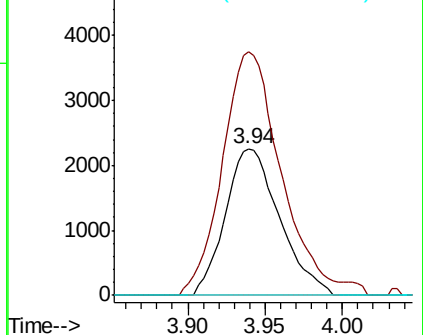
cis-1,2-Dichloroethene
 Concen: 0.802 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV015579.D
 Acq: 20 Apr 2020 13:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 5495
 Ion Ratio Lower Upper
 96 100
 61 165.9 100.0 185.8
 68 0.0 0.0 0.0



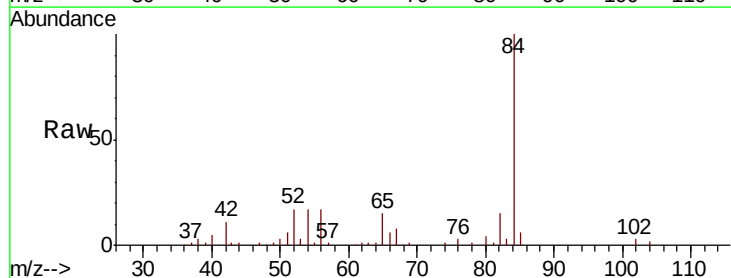
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



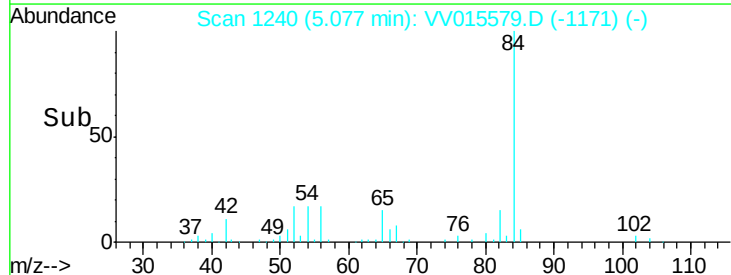
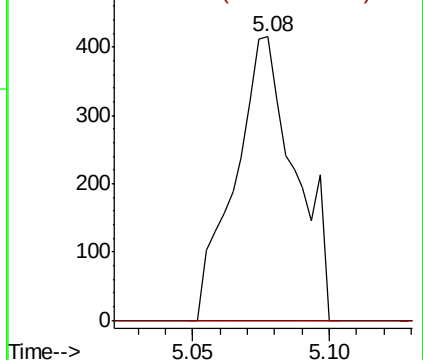
#27

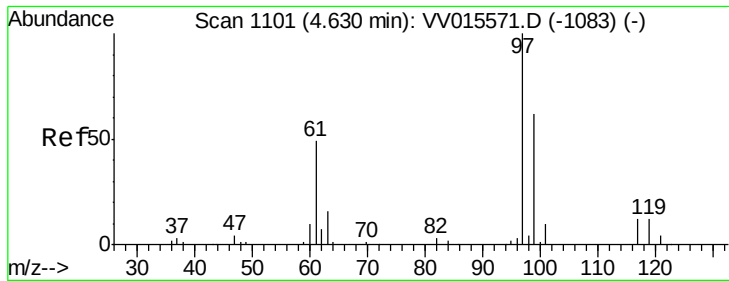
1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV015579.D
 Acq: 20 Apr 2020 13:45

Tgt Ion: 62 Resp: 637
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0

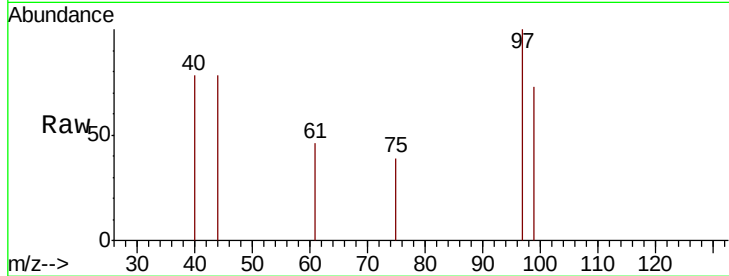




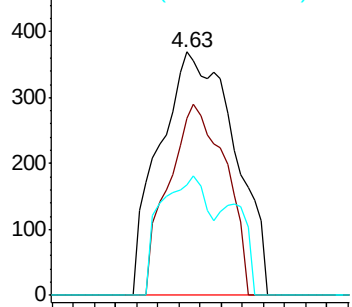
#29
 1,1,1-Trichloroethane
 Concen: 0.080 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015579.D
 Acq: 20 Apr 2020 13:45

Instrument :
 MSVOA_V
 ClientSampled :

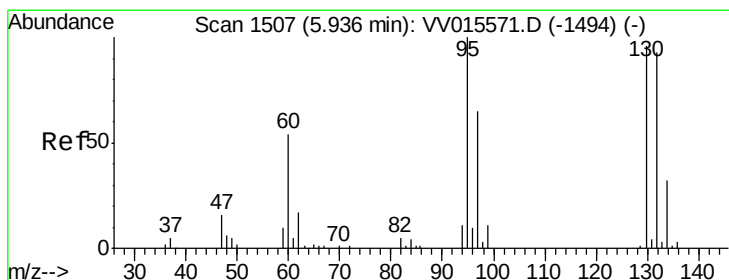
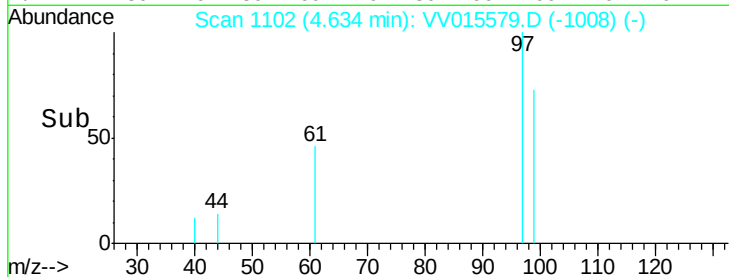
Tot Ion: 97 Resp: 918
 Ion Ratio Lower Upper
 97 100
 99 59.0 51.6 77.4
 61 31.2 39.0 58.6#



Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

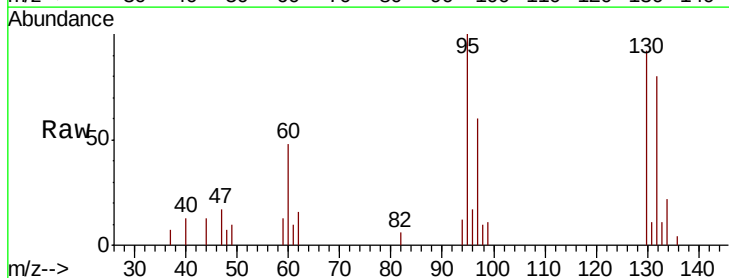


Time-->

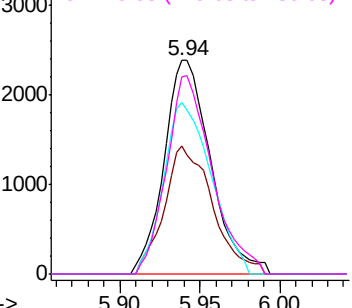


#34
 Trichloroethene
 Concen: 0.668 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015579.D
 Acq: 20 Apr 2020 13:45

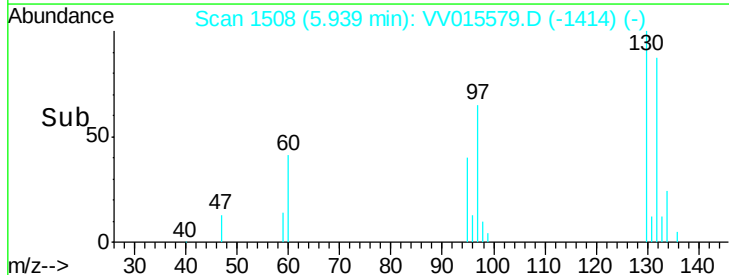
Tgt Ion: 95 Resp: 4736
 Ion Ratio Lower Upper
 95 100
 97 59.9 45.4 84.4
 132 80.3 64.8 120.4
 130 92.3 67.4 125.2

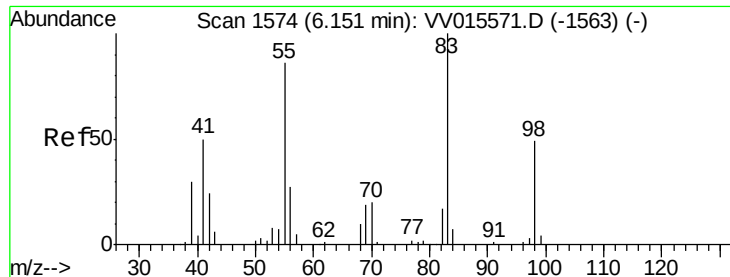


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0



Time-->

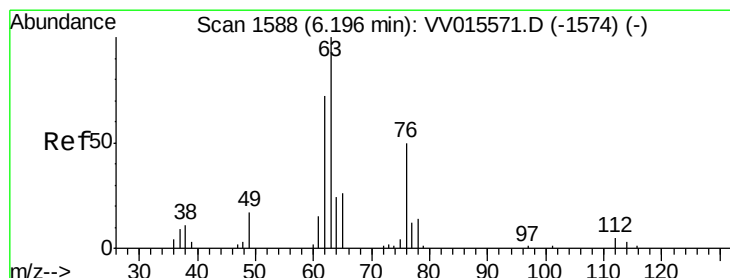
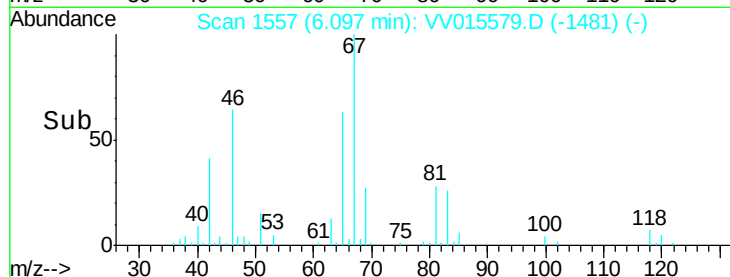
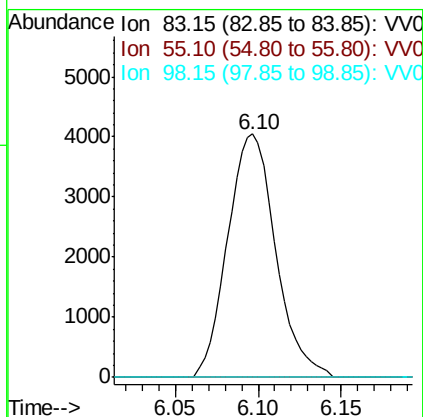
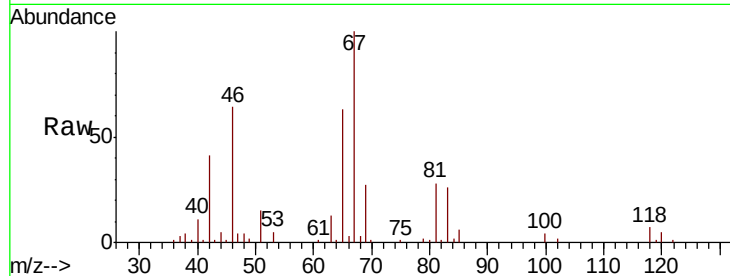




#35
Methvlcvclohexane
Concen: 0.682 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015579.D
Acq: 20 Apr 2020 13:45

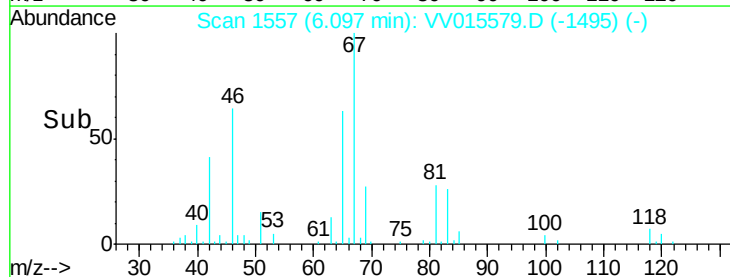
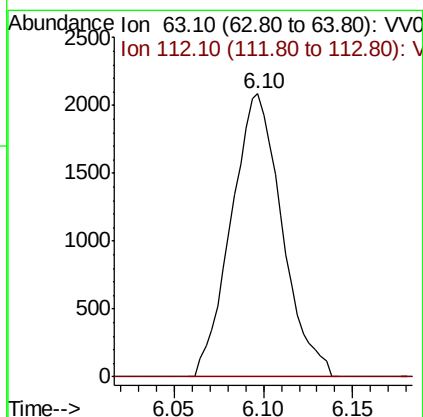
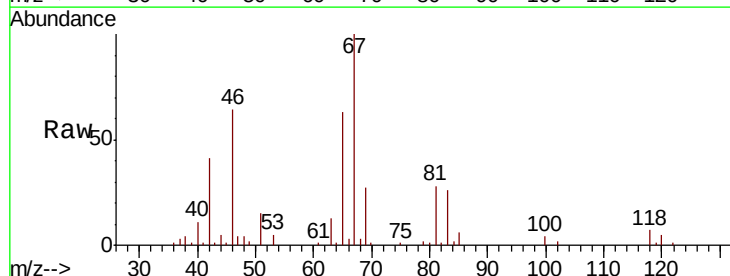
Instrument :
MSVOA_V
ClientSampleId :

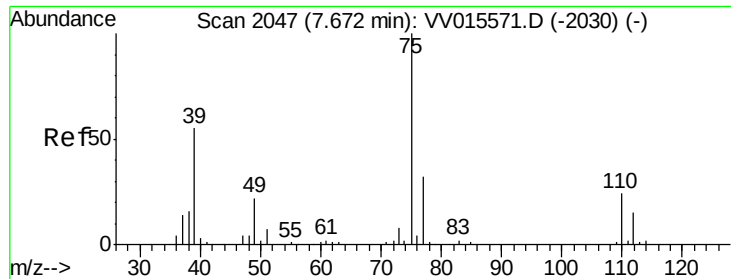
Tot Ion: 83 Resp: 8145
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 5.1 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.633 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015579.D
Acq: 20 Apr 2020 13:45

Tgt Ion: 63 Resp: 4134
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015579.D

Acq: 20 Apr 2020 13:45

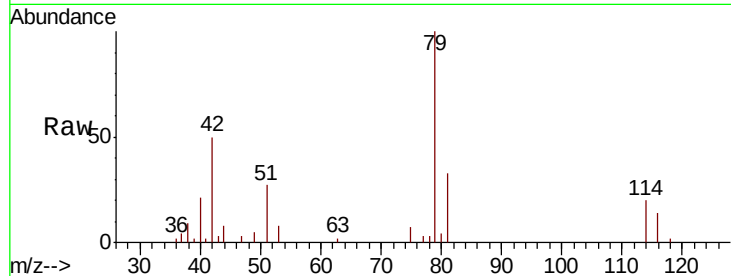
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 583

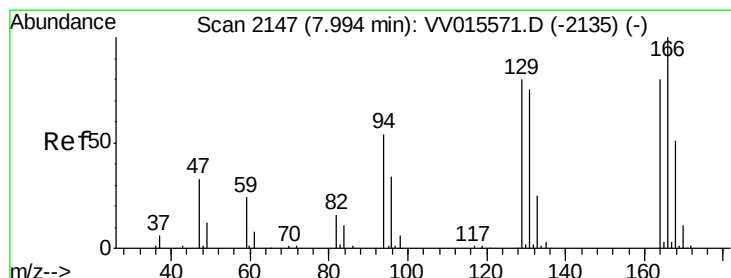
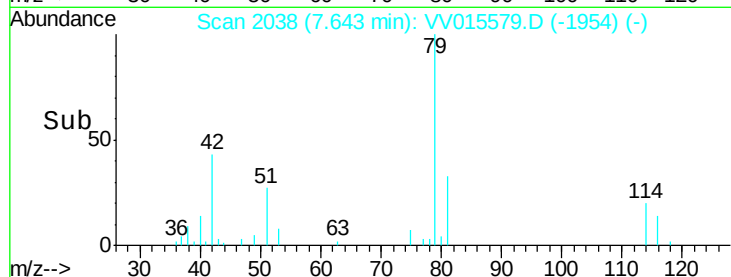
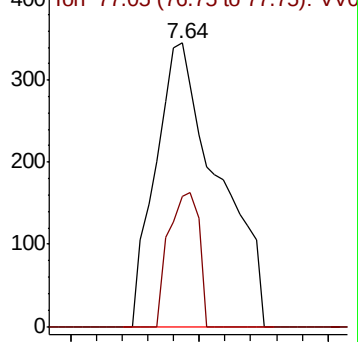
Ion Ratio Lower Upper

75 100

77 45.8 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VV015571.D (-2030) (-)



#47

Tetrachloroethene

Concen: 0.184 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015579.D

Acq: 20 Apr 2020 13:45

Tgt Ion: 164 Resp: 968

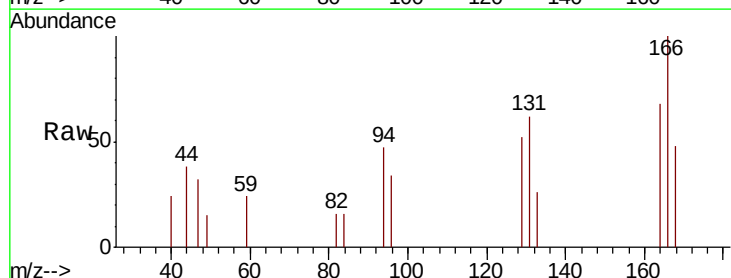
Ion Ratio Lower Upper

164 100

129 76.2 70.6 131.0

131 90.7 68.3 126.8

166 146.5 88.3 163.9

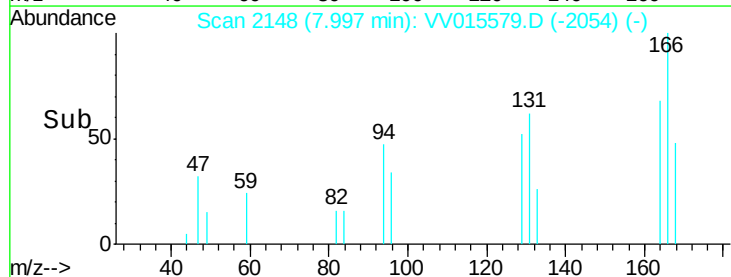
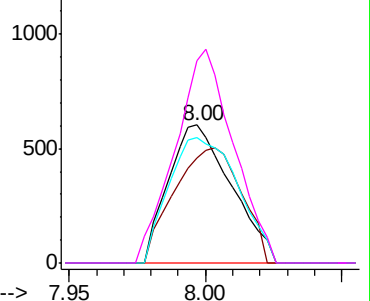


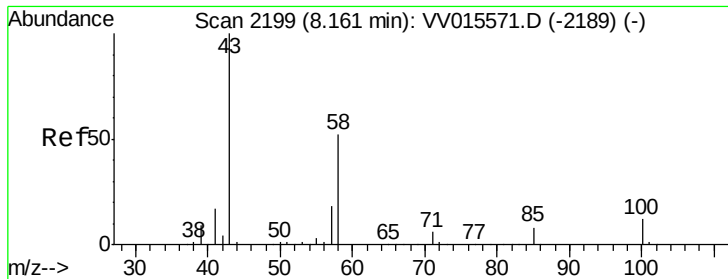
Abundance Ion 163.90 (163.60 to 164.60): VV015571.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015571.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015571.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015571.D (-2135) (-)





#48

2-Hexanone

Concen: 0.598 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015579.D

Acq: 20 Apr 2020 13:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1793

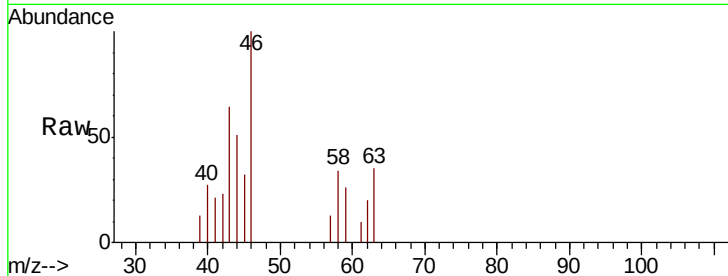
Ion Ratio Lower Upper

43 100

58 0.0 41.4 62.0#

57 0.0 15.0 22.4#

100 0.0 9.4 14.2#



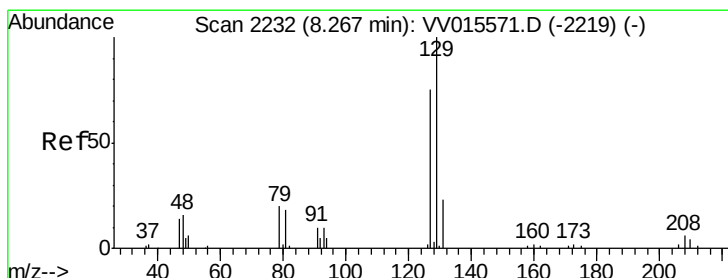
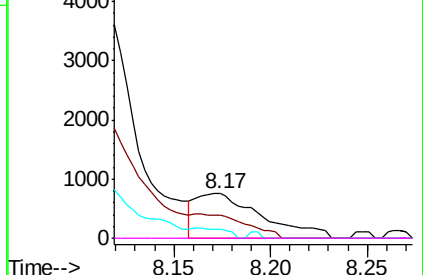
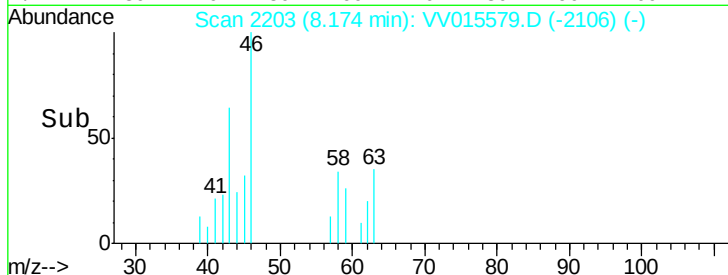
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

Time-->



#49

Dibromochloromethane

Concen: 0.164 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. -0.26 min

Lab File: VV015579.D

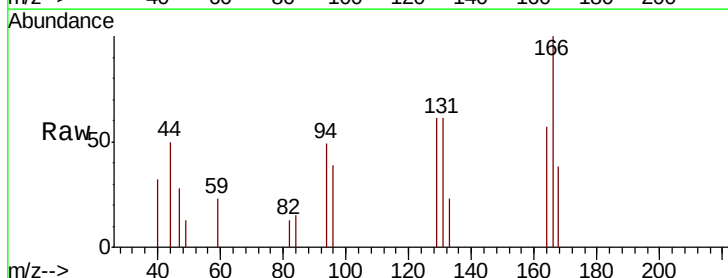
Acq: 20 Apr 2020 13:45

Tgt Ion: 129 Resp: 860

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->

