

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050820\
 Data File : VV015975.D
 Acq On : 08 May 2020 19:03
 Operator : SY/MD
 Sample : L2520-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 00:51:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142263	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	141136	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	65927	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32436	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	33446	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.12	63	54056	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.92	46	109271	49.63	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.26%
24) Chloroform-d	4.38	84	79013	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.06	65	47656	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.08	84	158951	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.10	67	50054	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.34	98	140289	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
45) trans-1,3-Dichloropropene-	7.65	79	15779	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
48) 2-Hexanone-d5	8.11	63	81994	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35844	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	54187	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

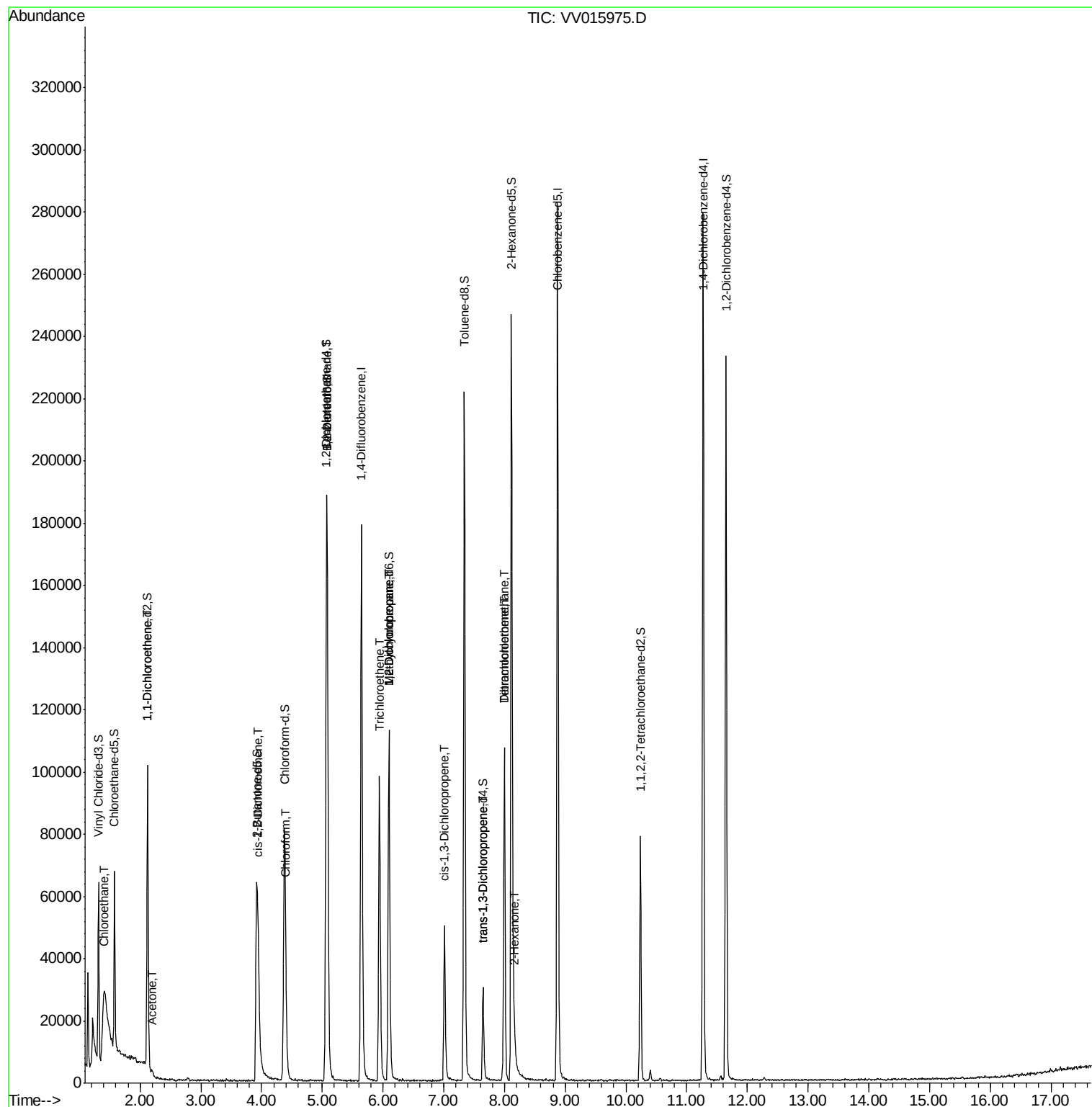
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.41	64	35704	4.748	ug/L #	50
12) 1,1-Dichloroethene	2.13	96	551	0.070	ug/L #	1
13) Acetone	2.20	43	2961	2.039	ug/L	68
22) cis-1,2-Dichloroethene	3.95	96	9974	1.101	ug/L	93
25) Chloroform	4.41	83	6755	0.368	ug/L	98
27) 1,2-Dichloroethane	5.08	62	1142	0.101	ug/L #	76
34) Trichloroethene	5.94	95	33707	3.326	ug/L	96
35) Methylcyclohexane	6.09	83	12863	0.839	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6775	0.751	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1363	0.107	ug/L #	70
46) trans-1,3-Dichloropropene	7.64	75	758	0.070	ug/L #	69
49) Tetrachloroethene	8.00	164	22403	3.168	ug/L	98
50) 2-Hexanone	8.17	43	3760	0.946	ug/L #	79
51) Dibromochloromethane	8.00	129	21774	3.217	ug/L #	9

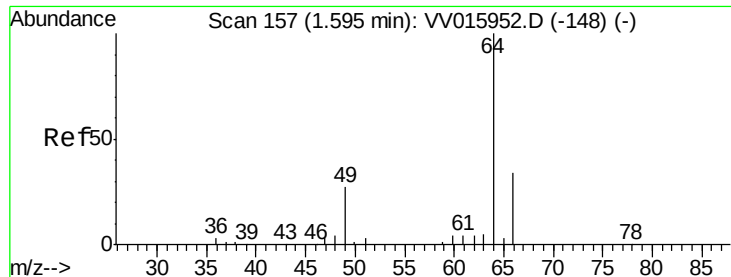
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 09 00:44:25 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 4.748 ug/L

RT: 1.41 min Scan# 98

Delta R.T. -0.19 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

Instrument :

MSVOA_V

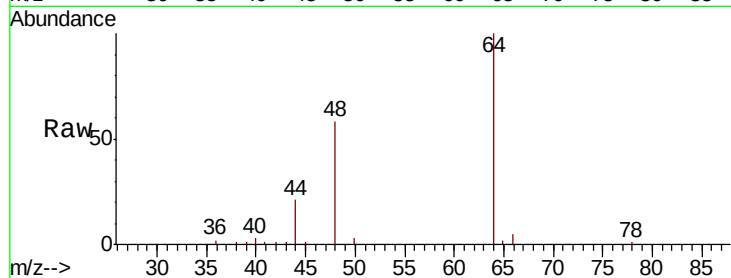
ClientSampled :

Tot Ion: 64 Resp: 35704

Ion Ratio Lower Upper

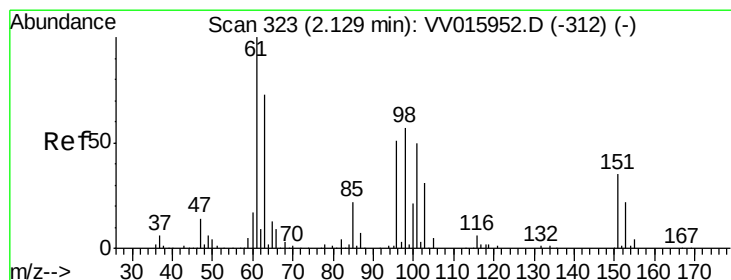
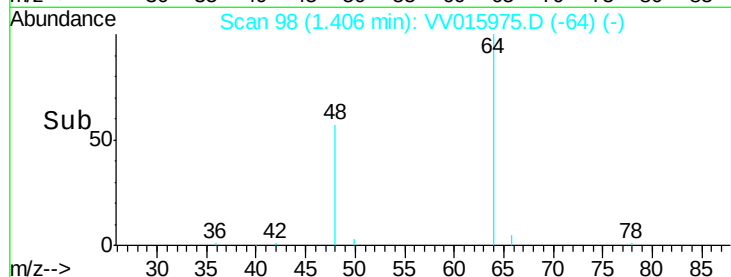
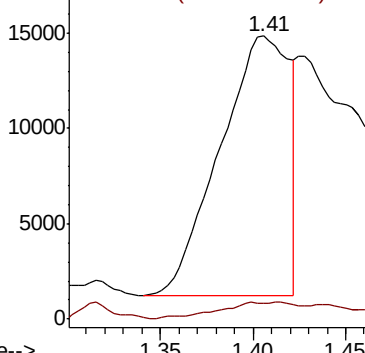
64 100

66 5.4 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

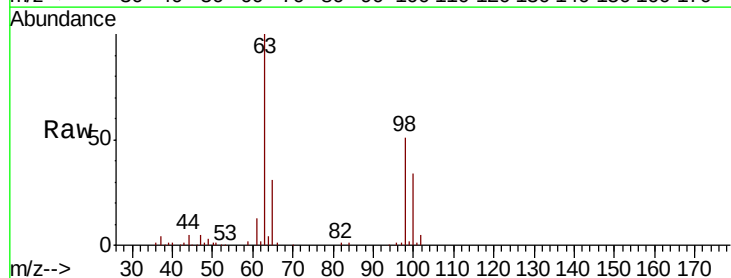
Tgt Ion: 96 Resp: 551

Ion Ratio Lower Upper

96 100

61 1391.3 139.9 259.7#

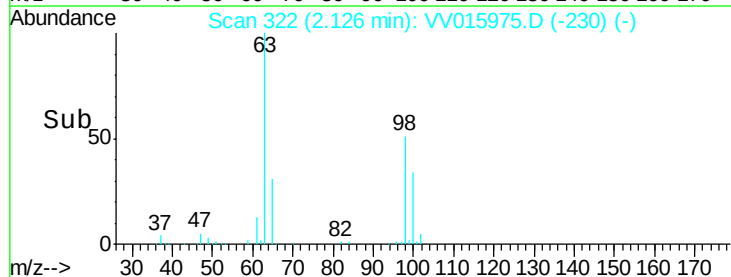
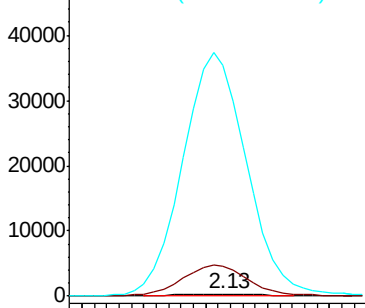
63 10621.0 106.4 197.6#

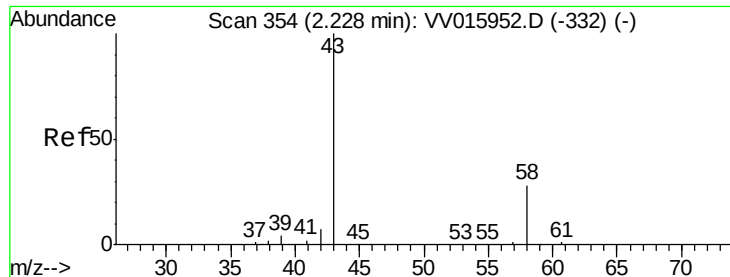


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.039 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

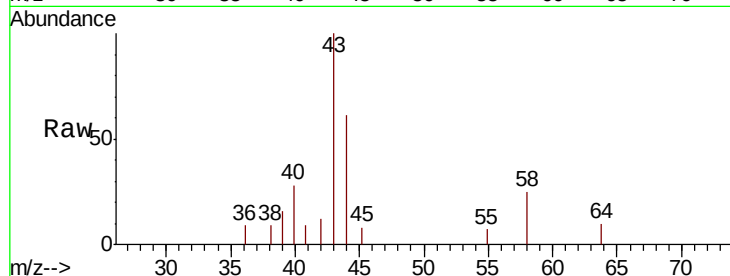
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2961

Ion Ratio Lower Upper

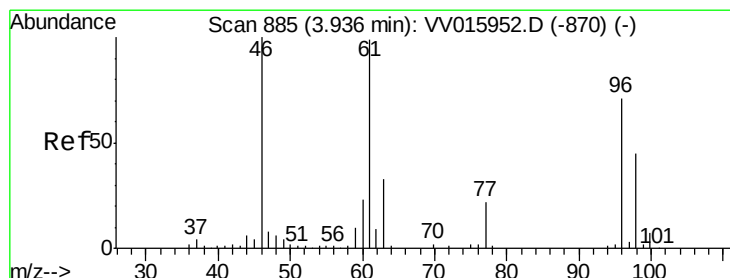
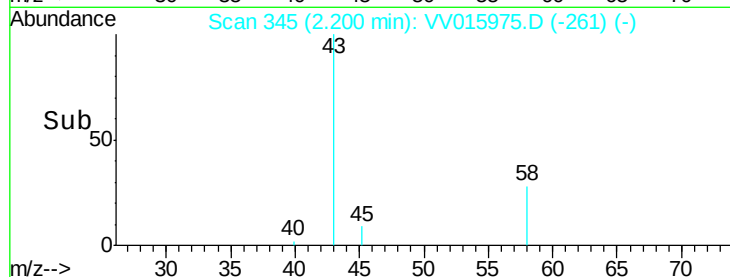
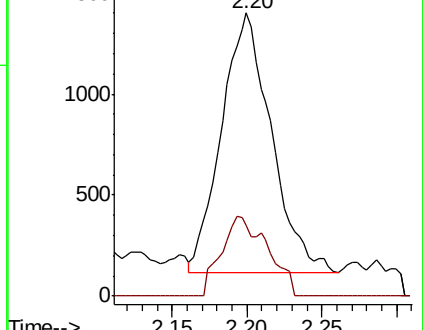
43 100

58 28.7 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015975.D (-261) (-)

Ion 58.05 (57.75 to 58.75): VV015975.D (-261) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.101 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

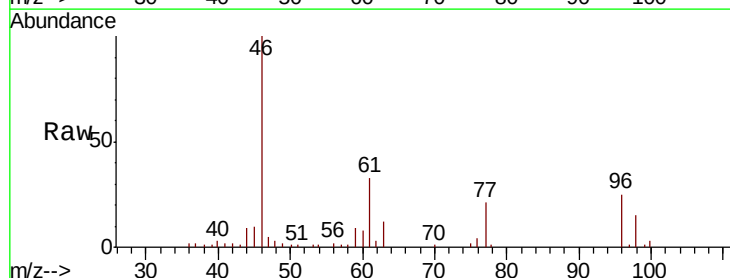
Tgt Ion: 96 Resp: 9974

Ion Ratio Lower Upper

96 100

61 130.7 97.2 180.6

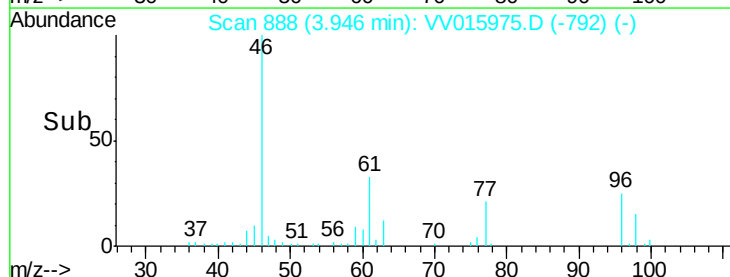
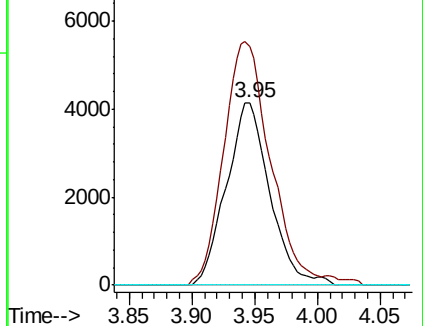
68 0.0 0.0 0.0

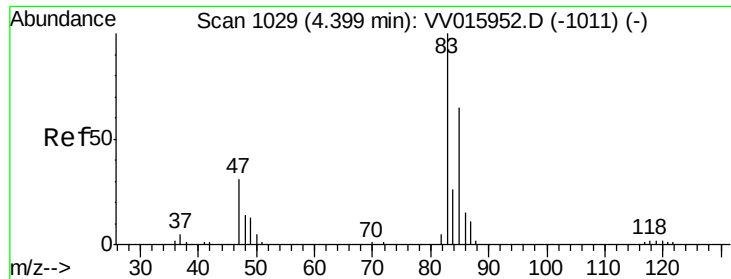


Abundance Ion 96.00 (95.70 to 96.70): VV015975.D (-792) (-)

Ion 61.05 (60.75 to 61.75): VV015975.D (-792) (-)

Ion 68.15 (67.85 to 68.85): VV015975.D (-792) (-)

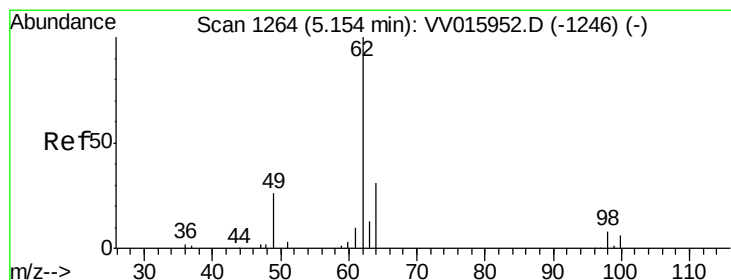
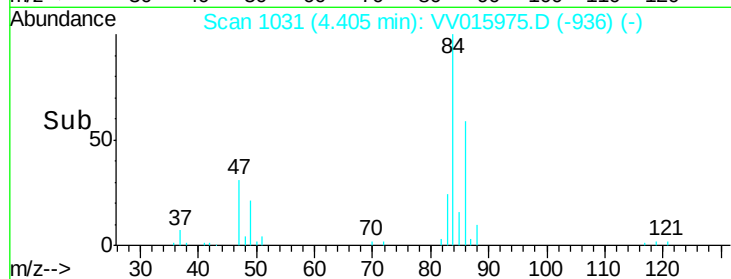
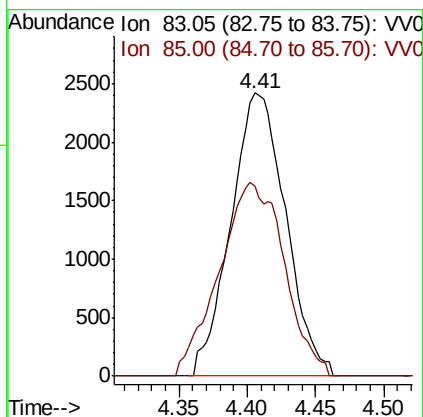
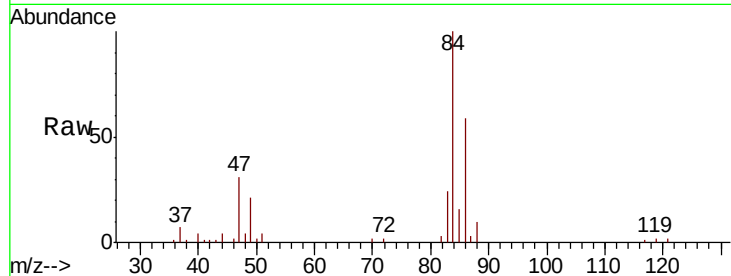




#25
Chloroform
Concen: 0.368 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015975.D
Acq: 08 May 2020 19:03

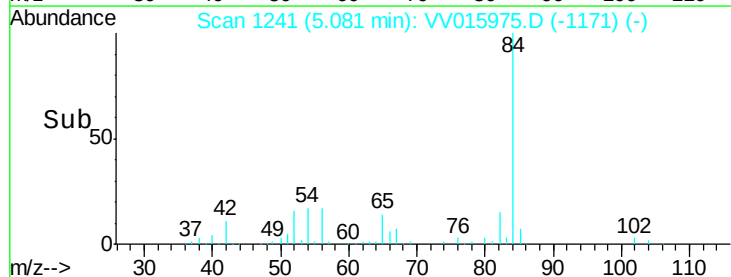
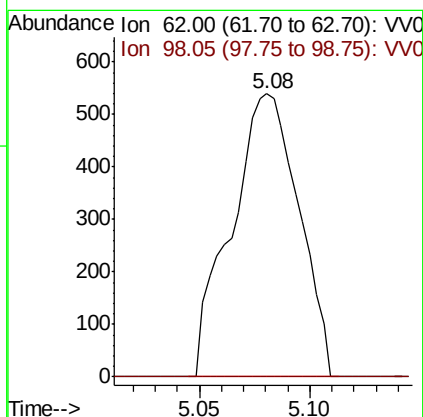
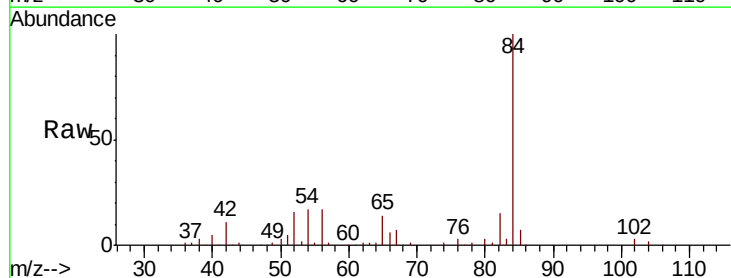
Instrument :
MSVOA_V
ClientSampled :

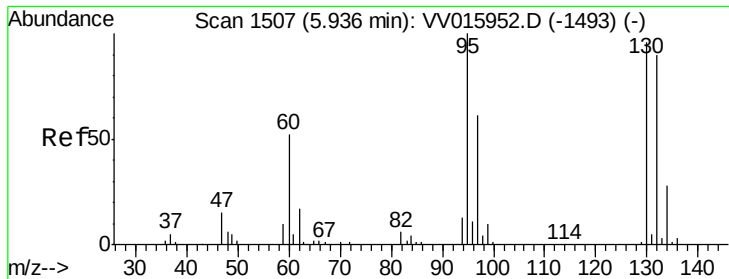
Tot Ion: 83 Resp: 6755
Ion Ratio Lower Upper
83 100
85 66.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.101 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.07 min
Lab File: VV015975.D
Acq: 08 May 2020 19:03

Tgt Ion: 62 Resp: 1142
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 3.326 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 33707

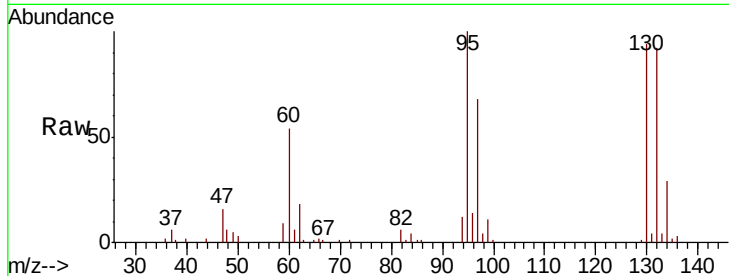
Ion Ratio Lower Upper

95 100

97 67.6 43.3 80.5

132 91.8 60.3 112.1

130 94.5 66.0 122.6



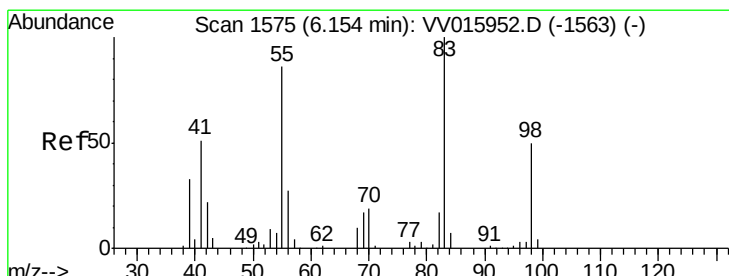
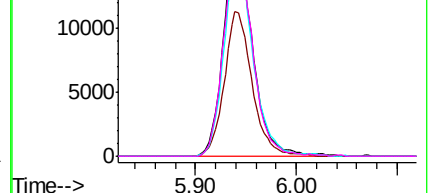
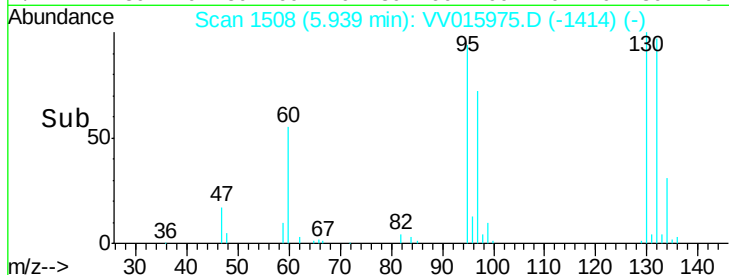
Abundance Ion 95.00 (94.70 to 95.70): VV015975.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV015975.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV015975.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV015975.D (-1493) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.839 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

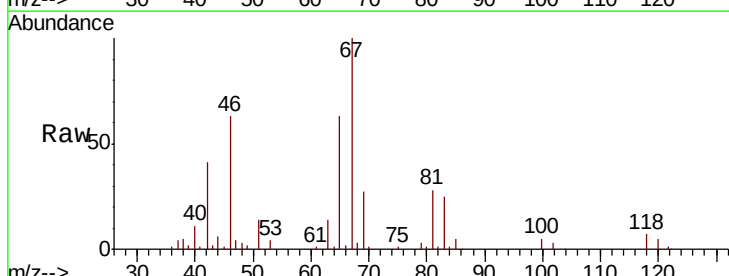
Tgt Ion: 83 Resp: 12863

Ion Ratio Lower Upper

83 100

55 0.4 66.2 99.2#

98 1.7 37.9 56.9#

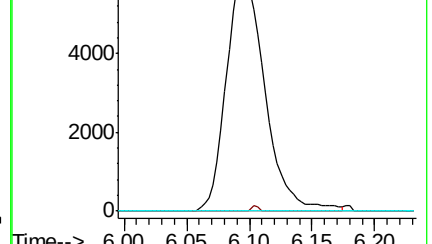
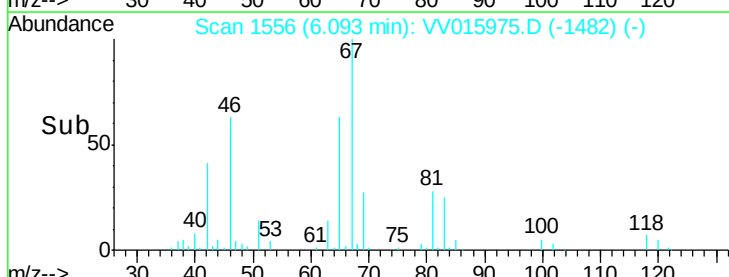


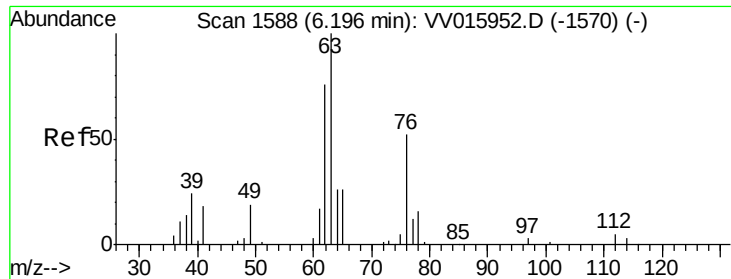
Abundance Ion 83.15 (82.85 to 83.85): VV015975.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV015975.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV015975.D (-1482) (-)

Time-->

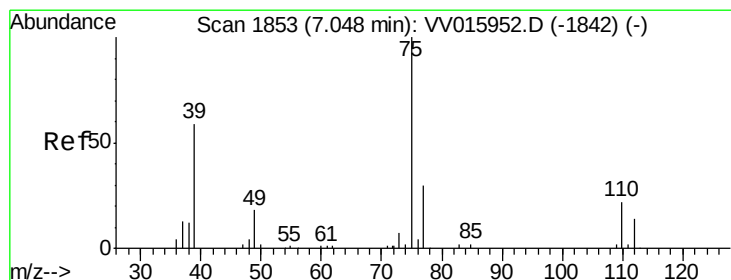
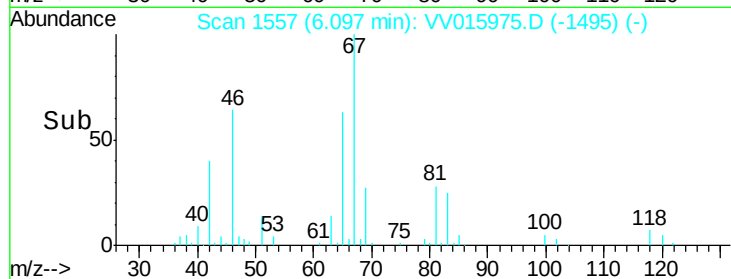
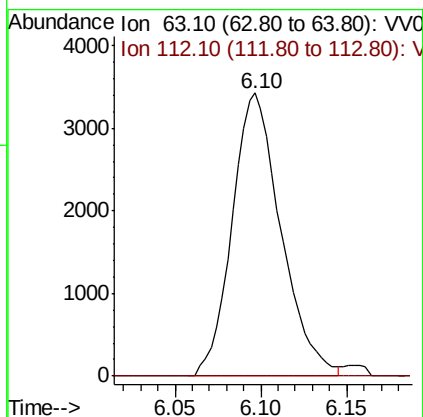
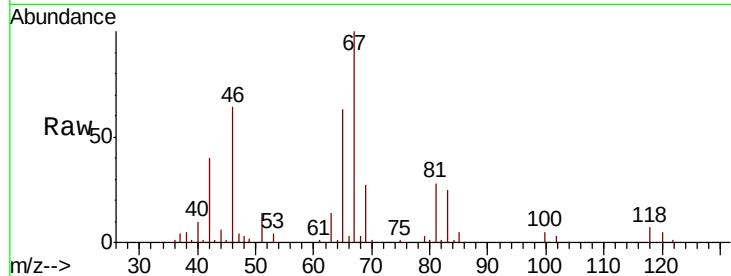




#37
 1,2-Dichloropropane
 Concen: 0.751 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015975.D
 Acq: 08 May 2020 19:03

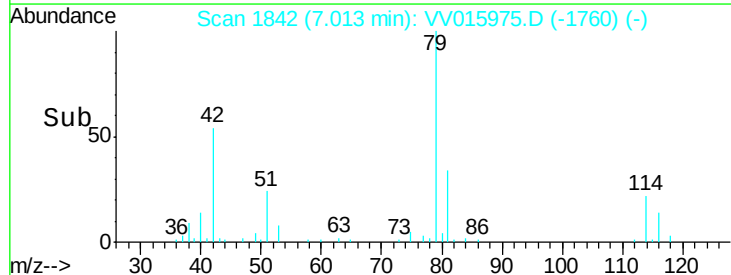
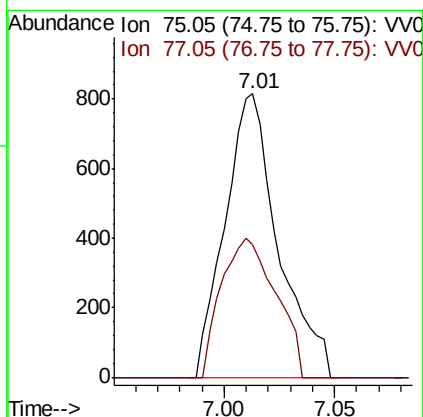
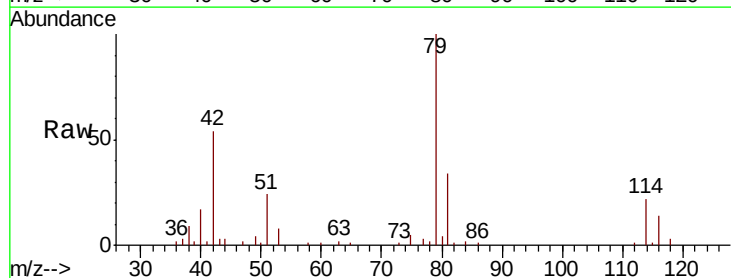
Instrument :
 MSVOA_V
 ClientSampleId :

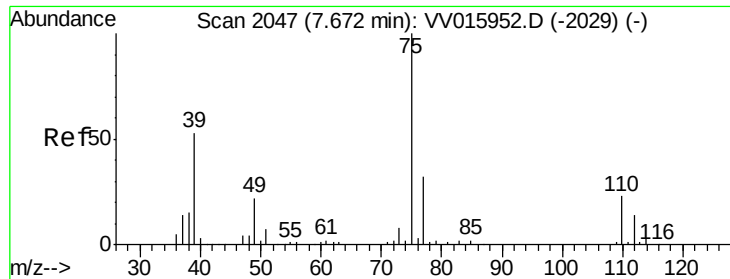
Tot Ion: 63 Resp: 6775
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015975.D
 Acq: 08 May 2020 19:03

Tgt Ion: 75 Resp: 1363
 Ion Ratio Lower Upper
 75 100
 77 46.9 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

Instrument :

MSVOA_V

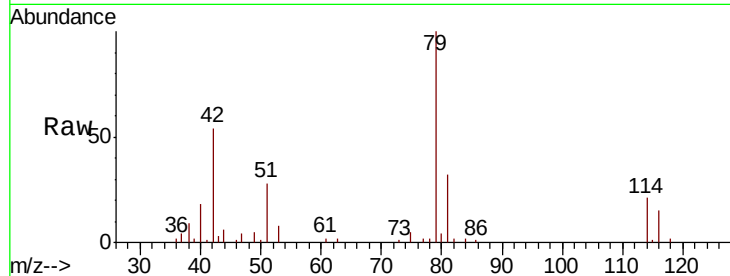
ClientSampleId :

Tot Ion: 75 Resp: 758

Ion Ratio Lower Upper

75 100

77 47.2 21.3 39.6#

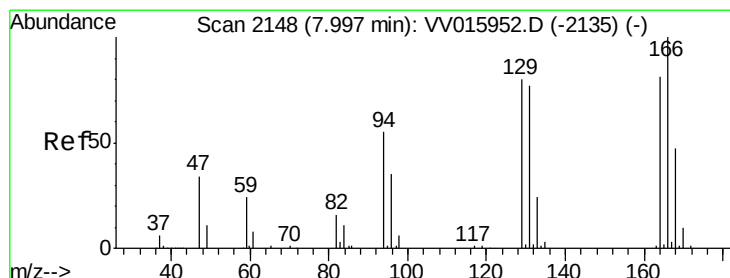
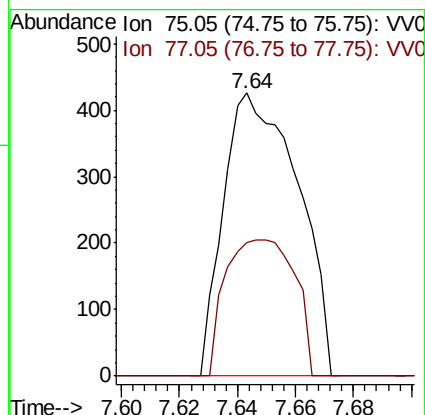
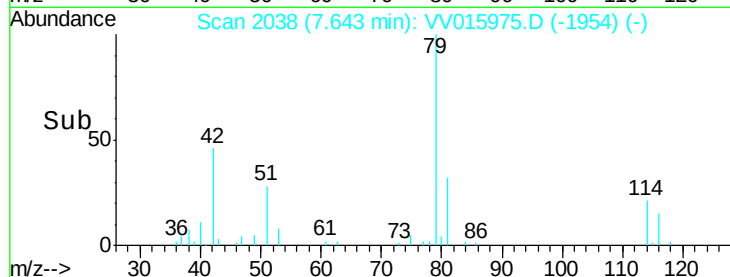


Abundance Ion 75.05 (74.75 to 75.75): VV015952.D (-2029) (-)

Ion 77.05 (76.75 to 77.75): VV015952.D (-2029) (-)

7.64

Time-->



#49

Tetrachloroethene

Concen: 3.168 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015975.D

Acq: 08 May 2020 19:03

Tgt Ion: 164 Resp: 22403

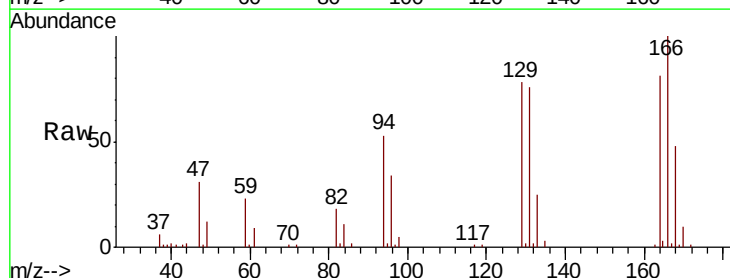
Ion Ratio Lower Upper

164 100

129 97.1 69.7 129.4

131 93.9 66.8 124.2

166 124.2 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV015952.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015952.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015952.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015952.D (-2135) (-)

25000

20000

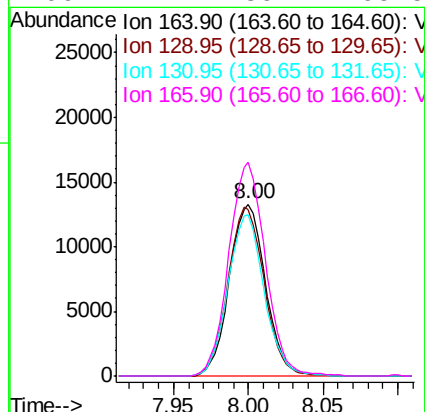
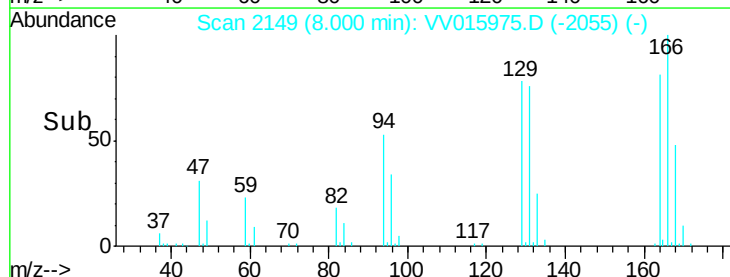
15000

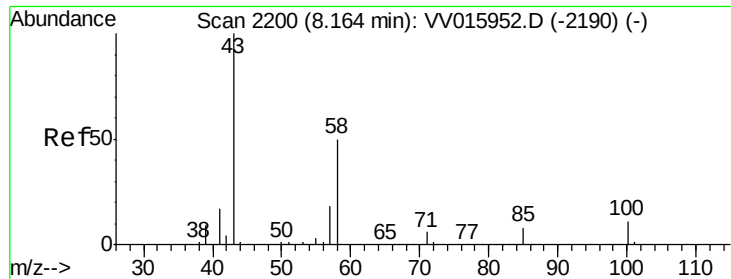
10000

5000

0

Time-->

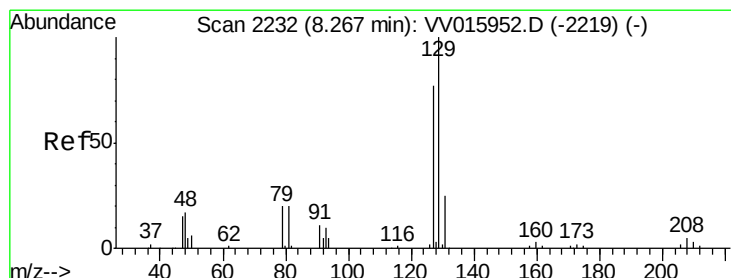
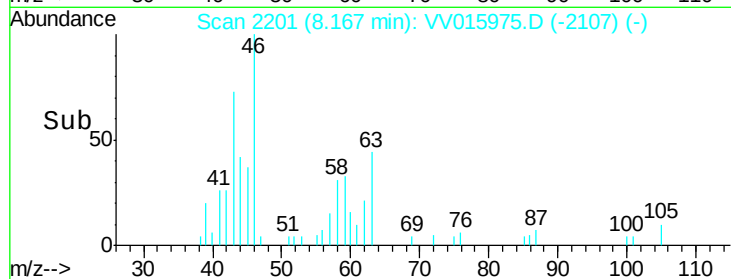
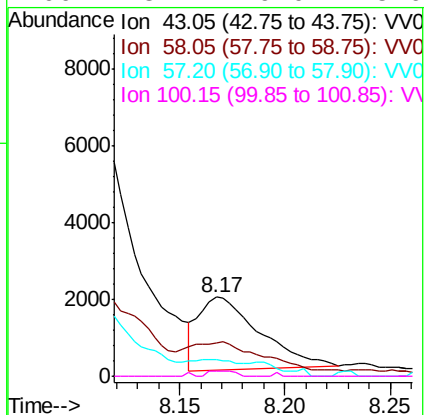
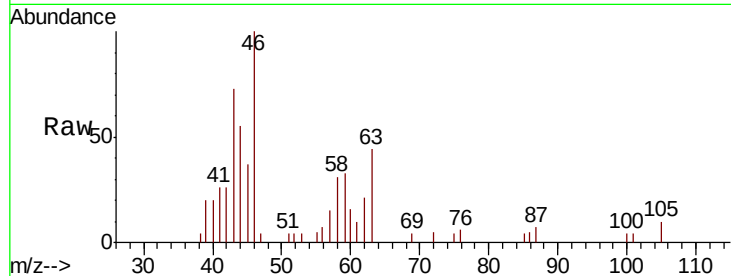




#50
2-Hexanone
Concen: 0.946 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015975.D
Acq: 08 May 2020 19:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3760
Ion Ratio Lower Upper
43 100
58 63.4 40.8 61.2#
57 5.7 14.7 22.1#
100 3.2 9.0 13.6#



#51
Dibromochloromethane
Concen: 3.217 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015975.D
Acq: 08 May 2020 19:03

Tgt Ion: 129 Resp: 21774
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

