

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050820\
 Data File : VV015969.D
 Acq On : 08 May 2020 16:43
 Operator : SY/MD
 Sample : L2520-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 00:49:54 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	125503	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122121	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	53162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33695	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.58	69	34356	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.12	63	56243	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	3.92	46	116016	59.74	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.48%
24) Chloroform-d	4.38	84	76887	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.06	65	48621	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.08	84	163379	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.10	67	51508	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	7.34	98	147011	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
45) trans-1,3-Dichloropropene-	7.65	79	18257	5.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.00%
48) 2-Hexanone-d5	8.11	63	84616	55.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35159	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	55961	6.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.80%#

Target Compounds

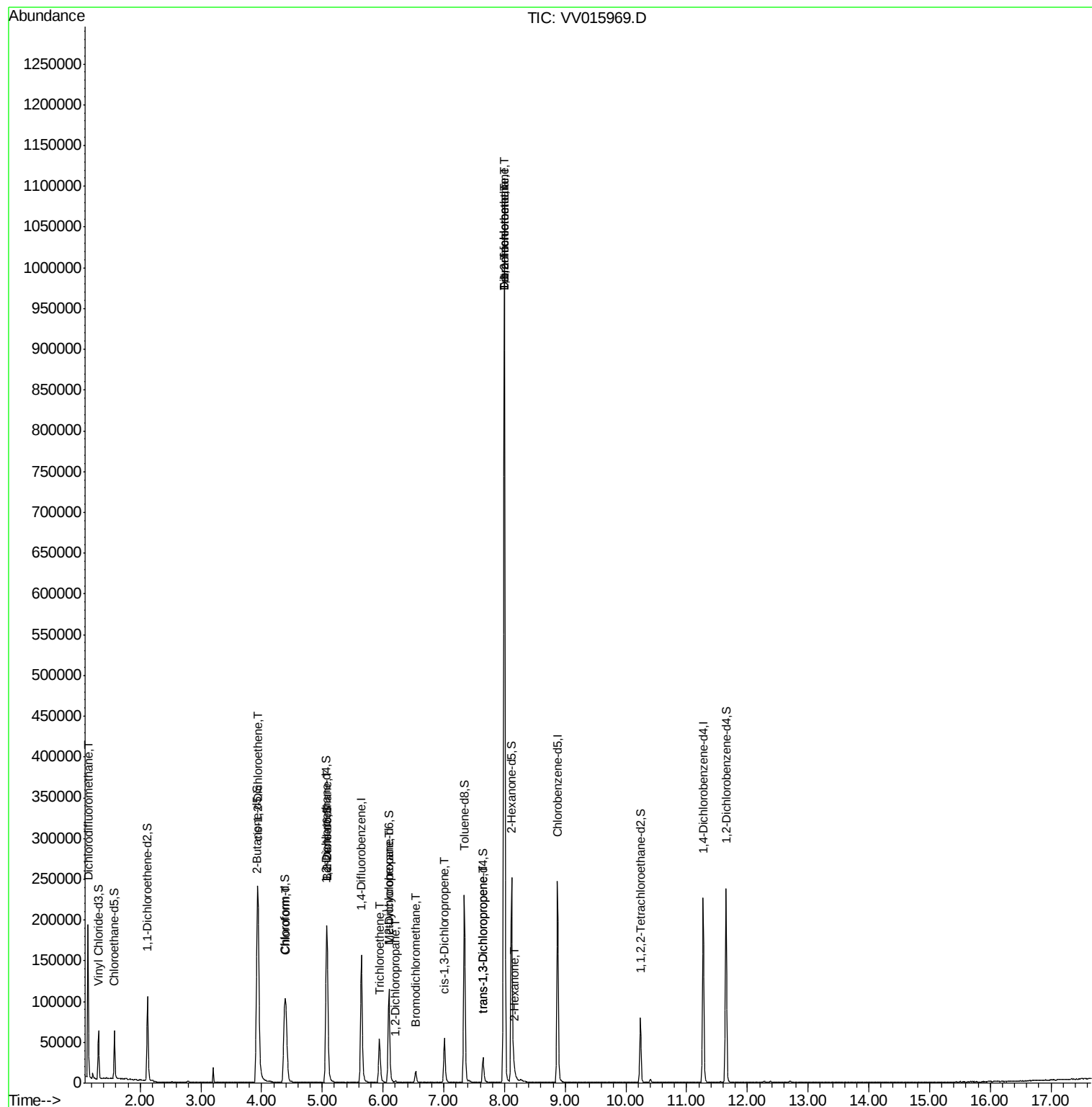
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	2072	0.215	ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	109618	13.719	ug/L	100
25) Chloroform	4.41	83	69669	4.303	ug/L	98
27) 1,2-Dichloroethane	5.08	62	1039	0.104	ug/L #	76
34) Trichloroethene	5.94	95	18506	2.110	ug/L	90
35) Methylcyclohexane	6.10	83	12633	0.952	ug/L #	17
37) 1,2-Dichloropropane	6.21	63	827	0.106	ug/L #	87
38) Bromodichloromethane	6.54	83	8902	0.898	ug/L #	96
39) cis-1,3-Dichloropropene	7.01	75	1583	0.143	ug/L #	72
46) trans-1,3-Dichloropropene	7.64	75	986	0.106	ug/L	95
47) 1,1,2-Trichloroethane	7.99	97	2251	0.432	ug/L #	24
49) Tetrachloroethene	8.00	164	217207	35.497	ug/L	99
50) 2-Hexanone	8.17	43	3877	1.127	ug/L #	79
51) Dibromochloromethane	8.00	129	209311	35.735	ug/L #	9

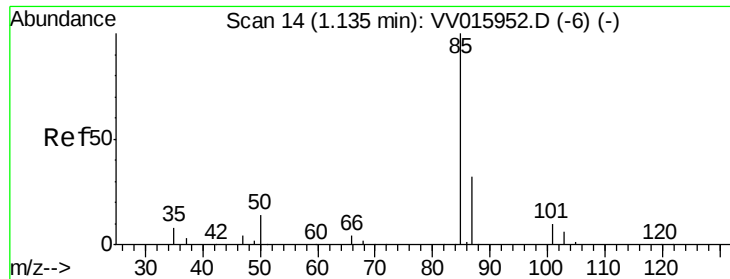
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 09 00:44:25 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.215 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV015969.D

Acq: 08 May 2020 16:43

Instrument :

MSVOA_V

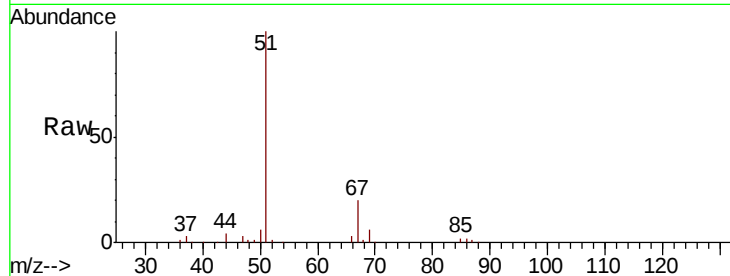
ClientSampleId :

Tot Ion: 85 Resp: 2072

Ion Ratio Lower Upper

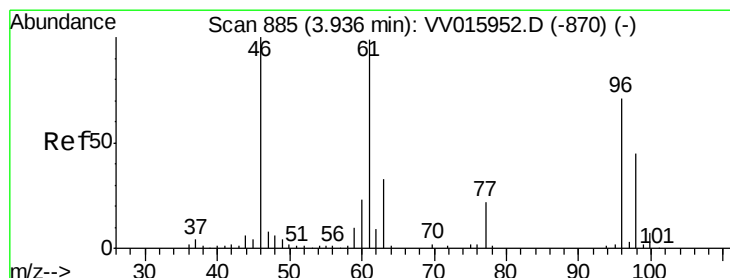
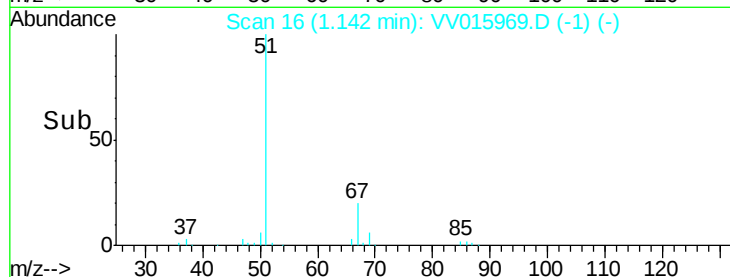
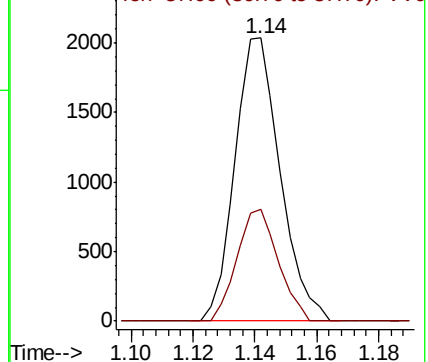
85 100

87 36.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 13.719 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015969.D

Acq: 08 May 2020 16:43

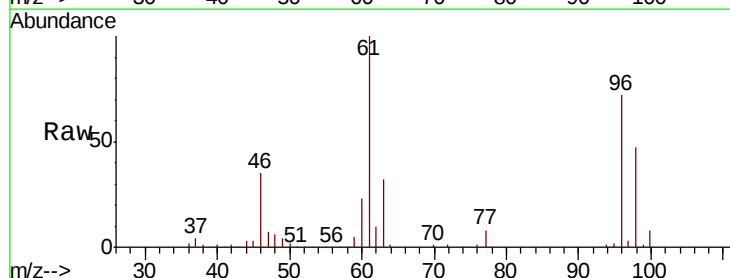
Tgt Ion: 96 Resp: 109618

Ion Ratio Lower Upper

96 100

61 139.2 97.2 180.6

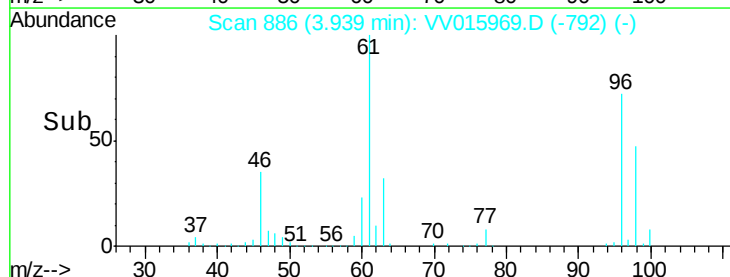
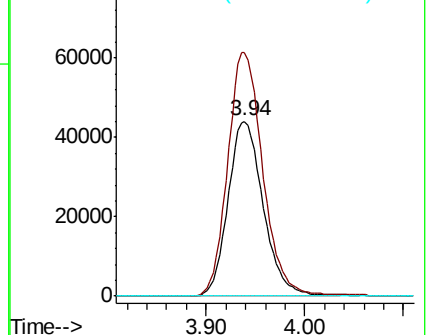
68 0.0 0.0 0.0

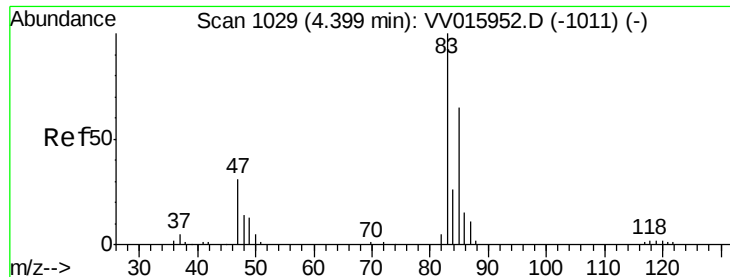


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

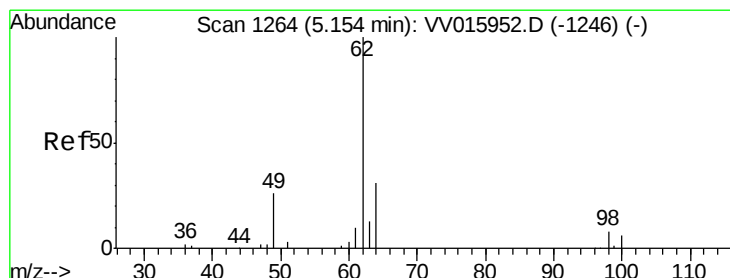
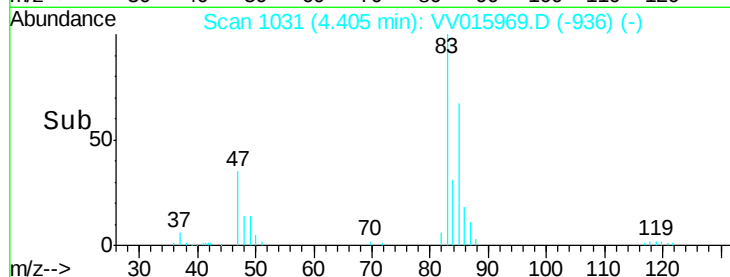
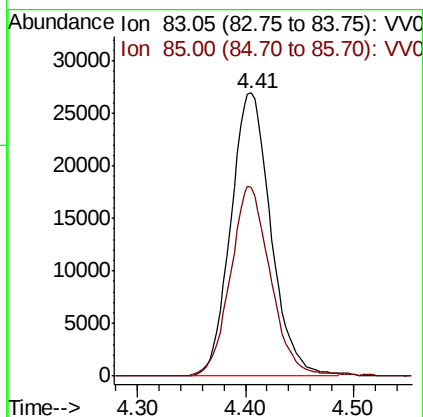
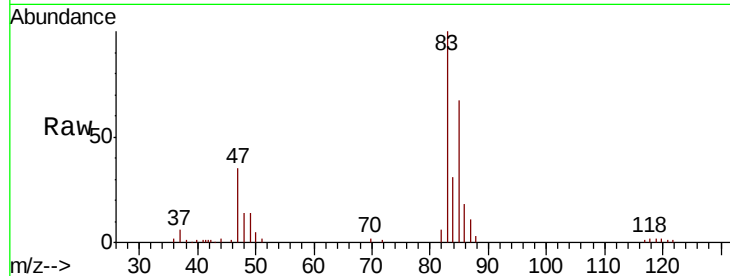




#25
Chloroform
Concen: 4.303 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015969.D
Acq: 08 May 2020 16:43

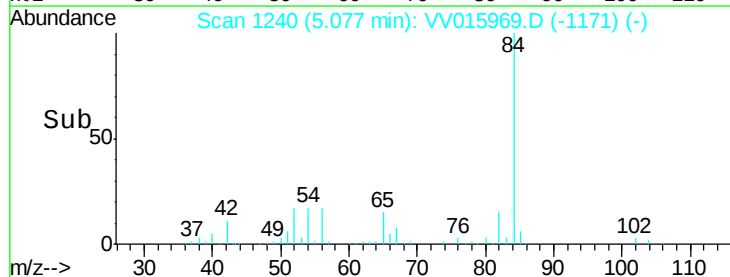
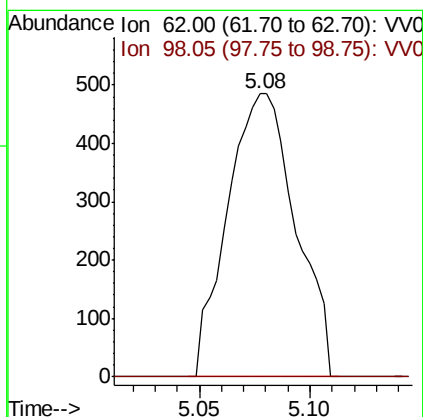
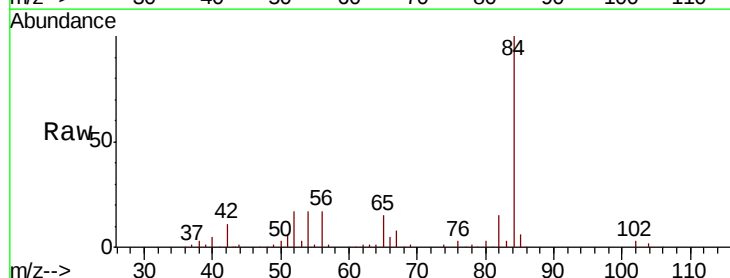
Instrument :
MSVOA_V
ClientSampled :

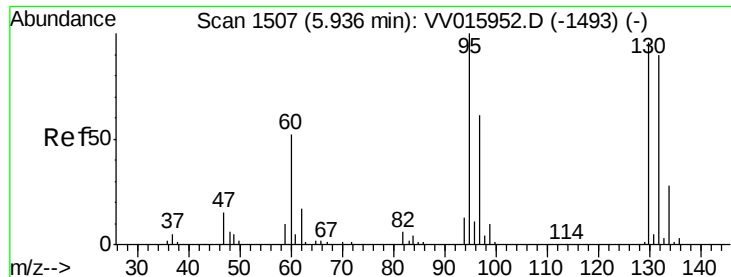
Tot Ion: 83 Resp: 69669
Ion Ratio Lower Upper
83 100
85 66.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.104 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV015969.D
Acq: 08 May 2020 16:43

Tgt Ion: 62 Resp: 1039
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

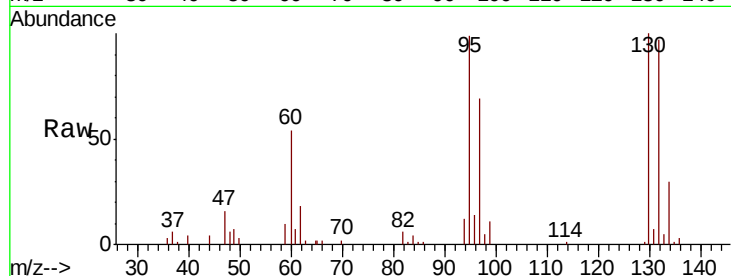




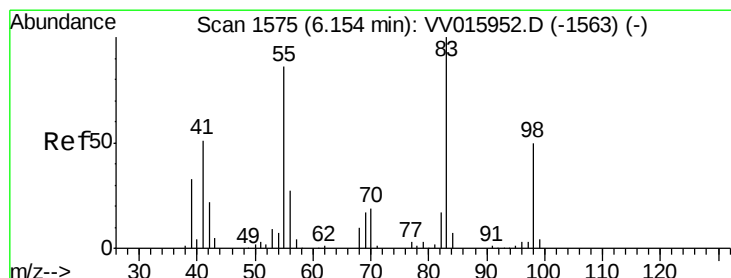
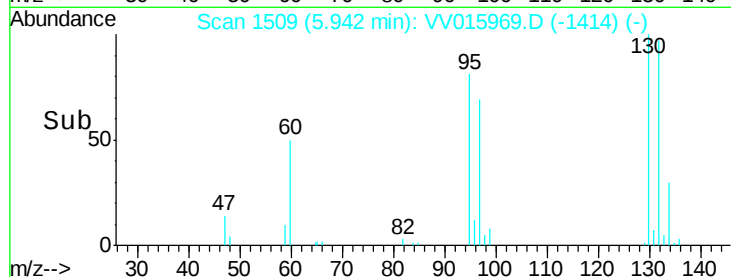
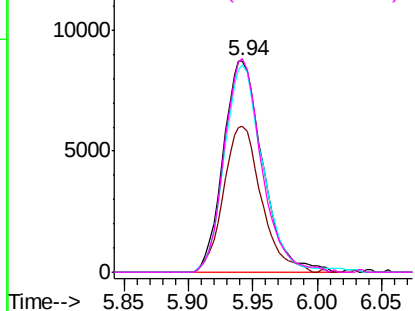
#34
 Trichloroethene
 Concen: 2.110 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015969.D
 Acq: 08 May 2020 16:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 18506
 Ion Ratio Lower Upper
 95 100
 97 69.3 43.3 80.5
 132 97.9 60.3 112.1
 130 101.0 66.0 122.6

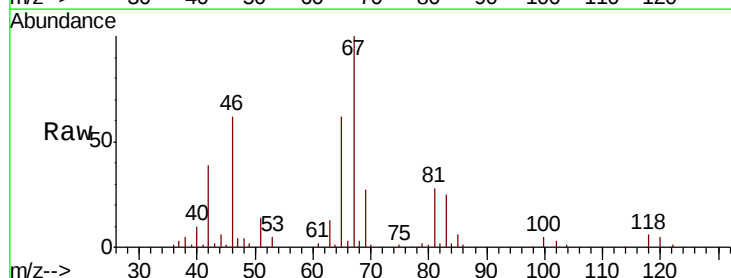


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

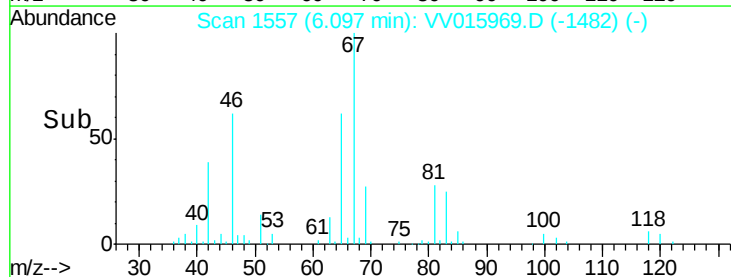
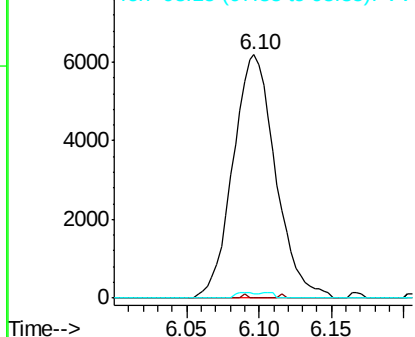


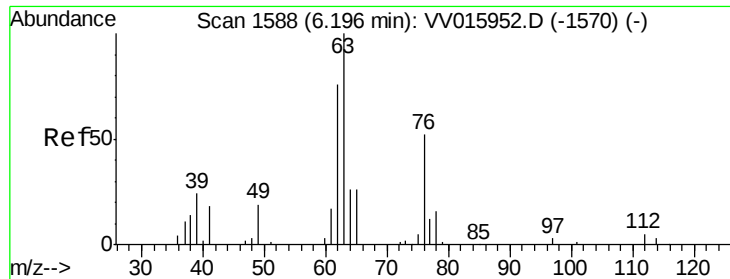
#35
 Methylcyclohexane
 Concen: 0.952 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV015969.D
 Acq: 08 May 2020 16:43

Tgt Ion: 83 Resp: 12633
 Ion Ratio Lower Upper
 83 100
 55 0.2 66.2 99.2#
 98 1.2 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

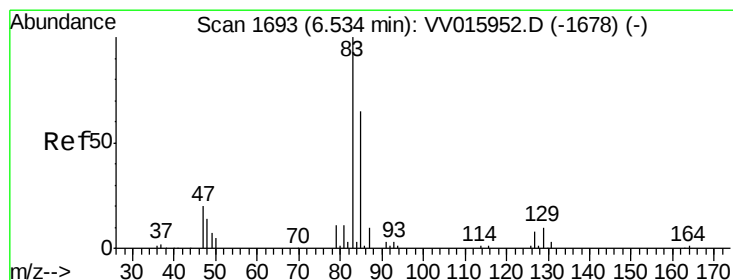
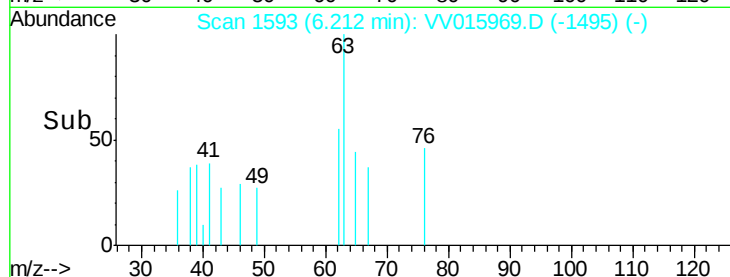
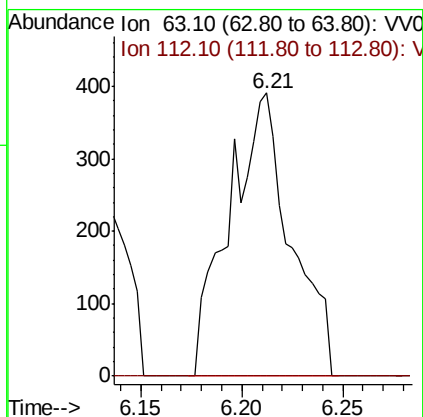
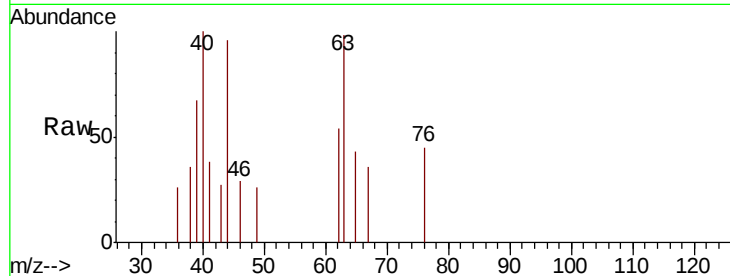




#37
 1,2-Dichloropropane
 Concen: 0.106 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. 0.02 min
 Lab File: VV015969.D
 Acq: 08 May 2020 16:43

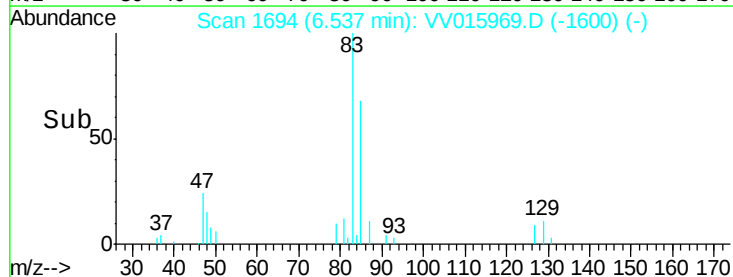
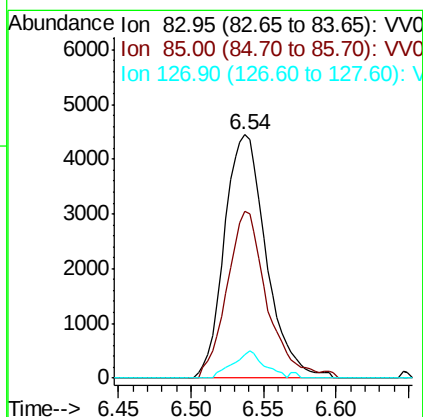
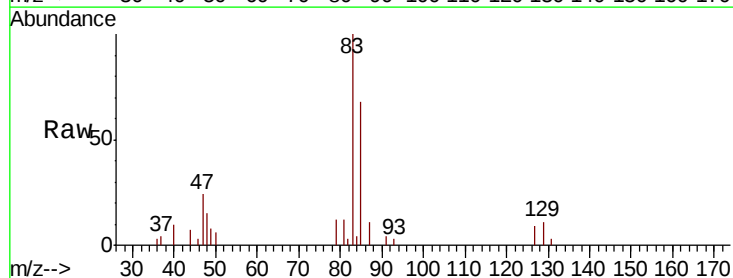
Instrument :
 MSVOA_V
 ClientSampleId :

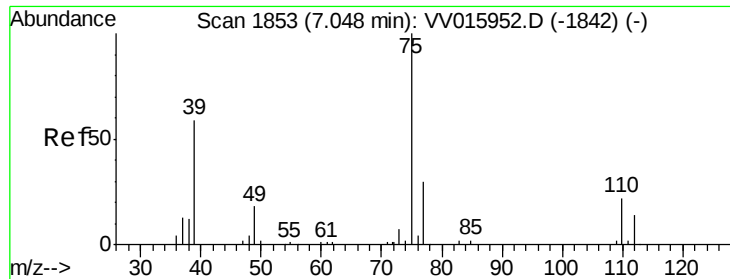
Tot Ion: 63 Resp: 827
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 0.898 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV015969.D
 Acq: 08 May 2020 16:43

Tgt Ion: 83 Resp: 8902
 Ion Ratio Lower Upper
 83 100
 85 68.3 45.5 84.5
 127 9.5 6.2 9.4#

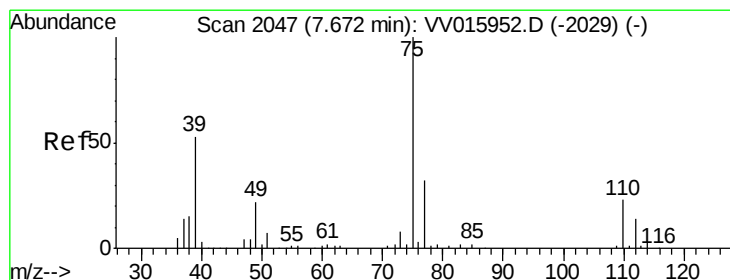
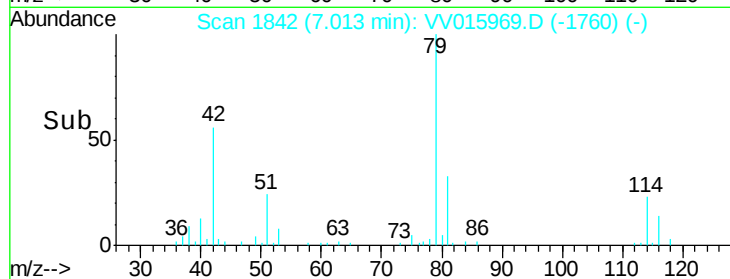
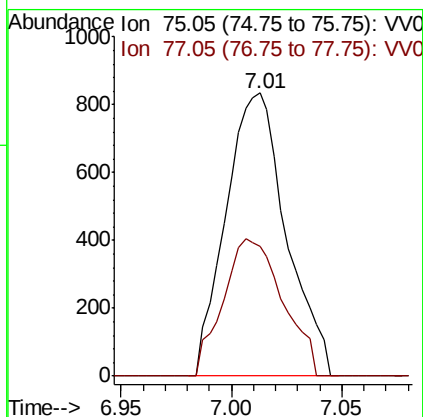
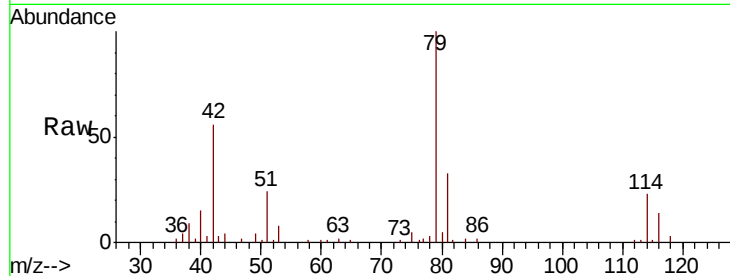




#39
 cis-1,3-Dichloropropene
 Concen: 0.143 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015969.D
 Acq: 08 May 2020 16:43

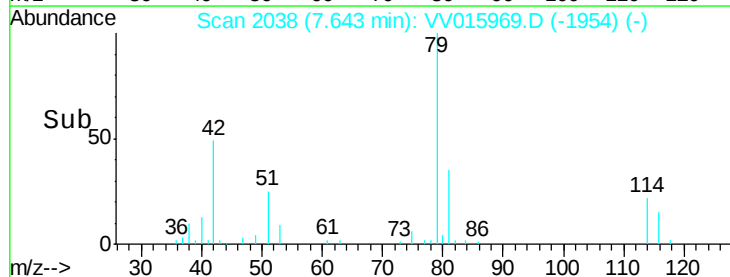
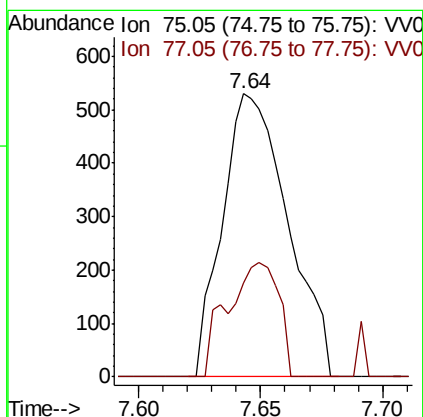
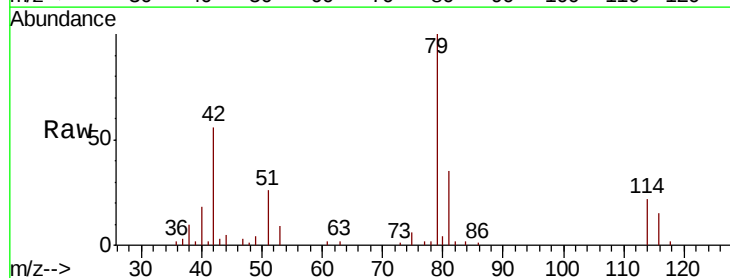
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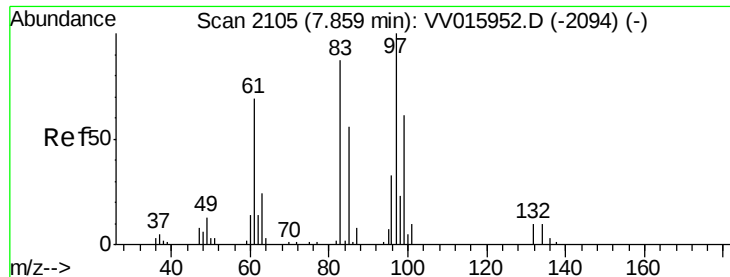
Tot Ion: 75 Resp: 1583
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.3 39.5#



#46
 trans-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV015969.D
 Acq: 08 May 2020 16:43

Tgt Ion: 75 Resp: 986
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.3 39.6





#47

1,1,2-Trichloroethane

Concen: 0.432 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV015969.D

Acq: 08 May 2020 16:43

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 2251

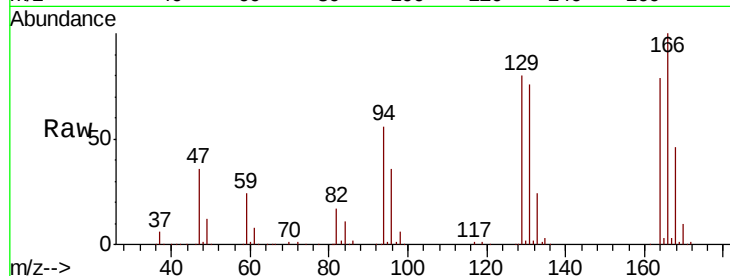
Ion Ratio Lower Upper

97 100

99 15.3 42.1 78.1#

83 197.6 59.2 110.0#

85 41.1 38.6 71.8

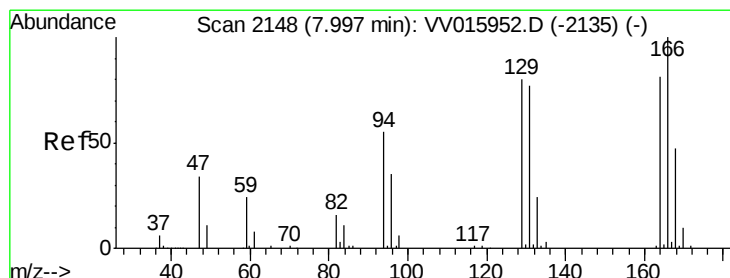
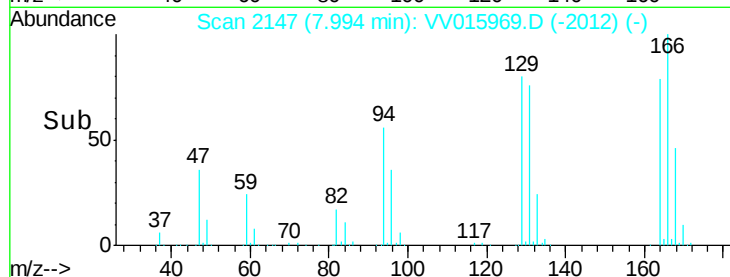
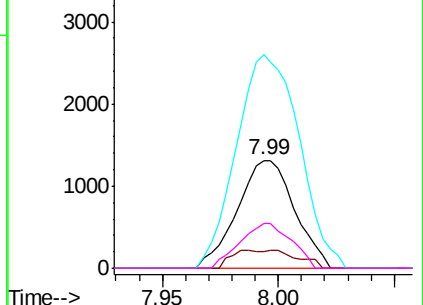


Abundance Ion 96.95 (96.65 to 97.65): VV0

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



#49

Tetrachloroethene

Concen: 35.497 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015969.D

Acq: 08 May 2020 16:43

Tgt Ion: 164 Resp: 217207

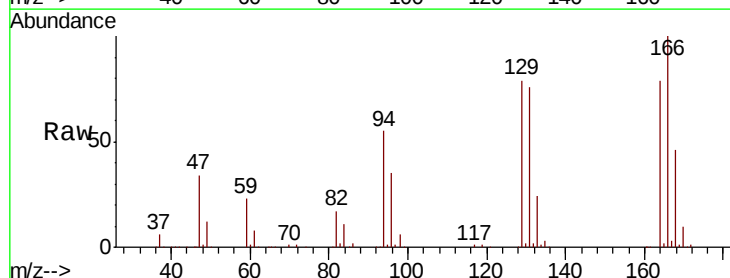
Ion Ratio Lower Upper

164 100

129 100.3 69.7 129.4

131 96.6 66.8 124.2

166 126.8 89.1 165.5

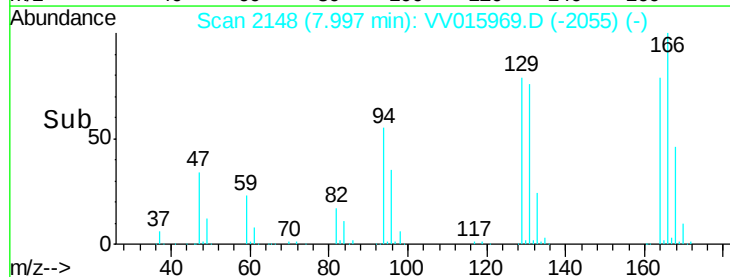
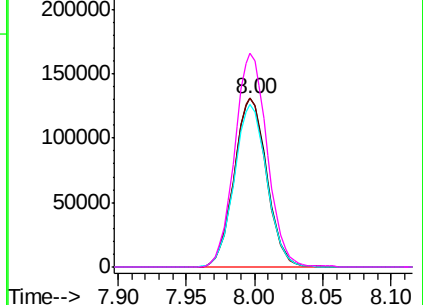


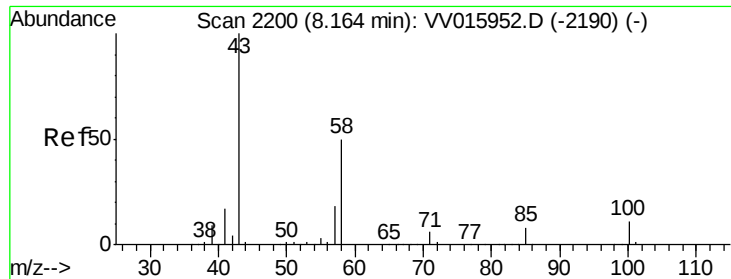
Abundance Ion 163.90 (163.60 to 164.60): V

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

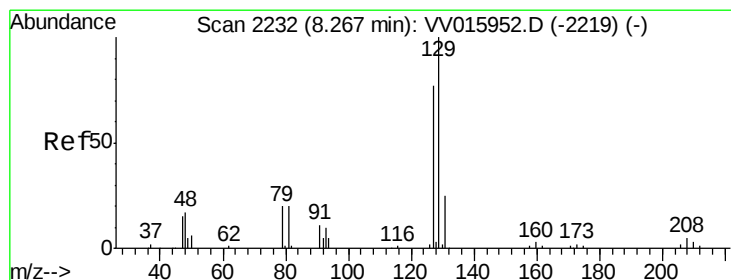
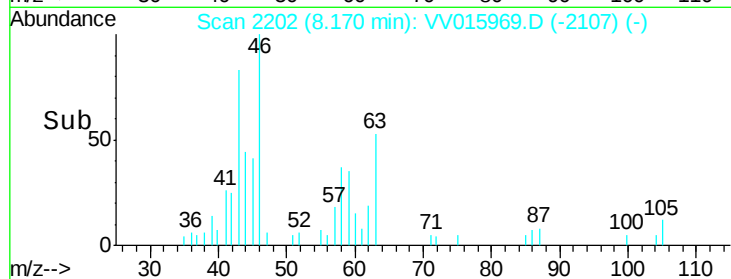
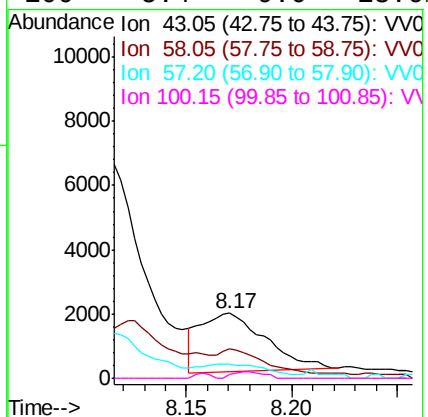
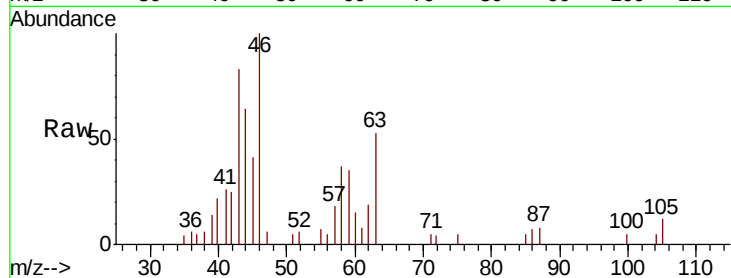




#50
2-Hexanone
Concen: 1.127 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015969.D
Acq: 08 May 2020 16:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3877
Ion Ratio Lower Upper
43 100
58 34.0 40.8 61.2#
57 24.9 14.7 22.1#
100 5.4 9.0 13.6#



#51
Dibromochloromethane
Concen: 35.735 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015969.D
Acq: 08 May 2020 16:43

Tgt Ion: 129 Resp: 209311
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

