

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015552.D
 Acq On : 17 Apr 2020 14:04
 Operator : SY/MD
 Sample : L2320-07DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:40:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	90369	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	85849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	41910	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	22496	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.57	69	22728	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.12	63	34973	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.94	46	74167	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.38	84	50711	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	30186	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.07	84	98607	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.09	67	31739	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.34	98	89631	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.65	79	12399	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.11	63	58700	47.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20257	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	33683	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	1985	0.222 ug/L	91
9) Trichlorofluoromethane	1.76	101	7964	0.759 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	601	0.101 ug/L #	66
12) 1,1-Dichloroethene	2.13	96	1327	0.234 ug/L #	1
16) Methylene chloride	2.52	84	2220	0.334 ug/L	90
22) cis-1,2-Dichloroethene	3.94	96	6894	1.039 ug/L	97
25) Chloroform	4.40	83	2365	0.192 ug/L	92
27) 1,2-Dichloroethane	5.07	62	697	0.087 ug/L #	77
34) Trichloroethene	5.94	95	53415	7.724 ug/L	99
35) Methylcyclohexane	6.09	83	8112	0.696 ug/L #	15
37) 1,2-Dichloropropane	6.10	63	3968	0.623 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1069	0.109 ug/L #	66
44) trans-1,3-Dichloropropene	7.64	75	622	0.075 ug/L	100
47) Tetrachloroethene	8.00	164	33368	6.512 ug/L	97
48) 2-Hexanone	8.12	43	8344	2.854 ug/L #	71
49) Dibromochloromethane	8.00	129	32230	6.281 ug/L #	10

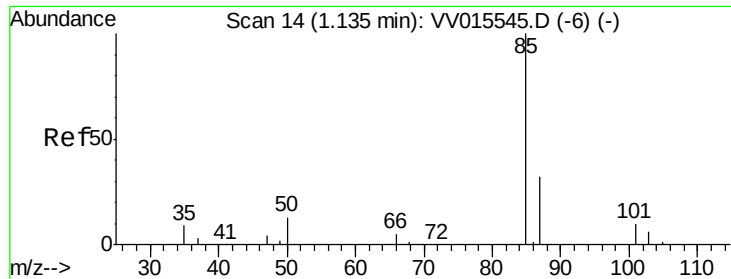
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
Data File : VV015552.D
Acq On : 17 Apr 2020 14:04
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.222 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Instrument :

MSVOA_V

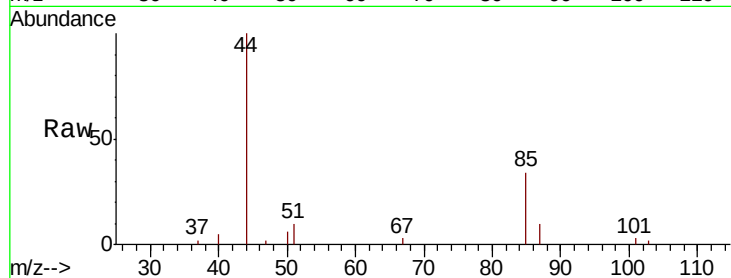
ClientSampleId :

Tot Ion: 85 Resp: 1985

Ion Ratio Lower Upper

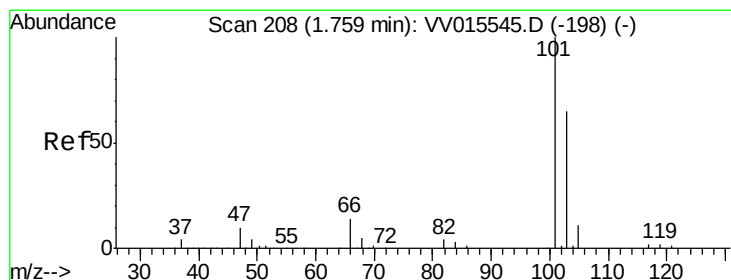
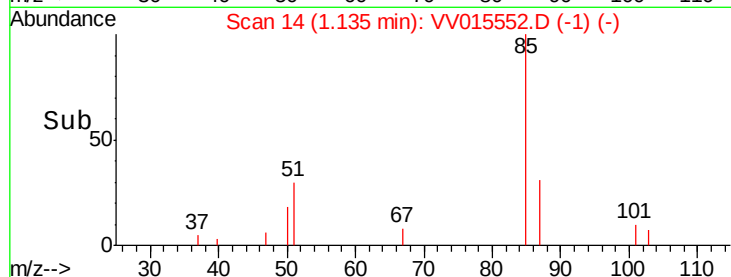
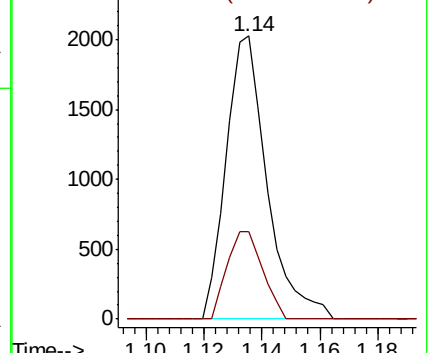
85 100

87 26.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#9

Trichlorofluoromethane

Concen: 0.759 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015552.D

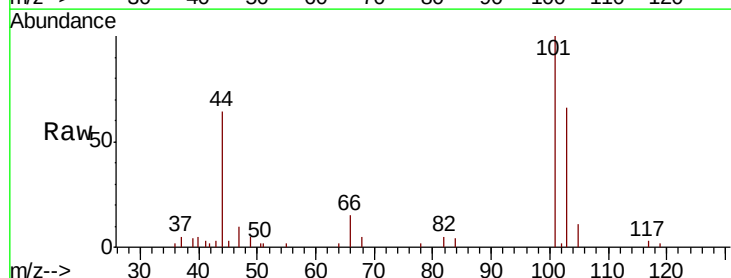
Acq: 17 Apr 2020 14:04

Tgt Ion: 101 Resp: 7964

Ion Ratio Lower Upper

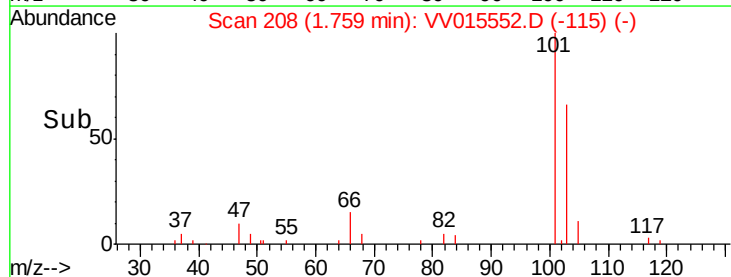
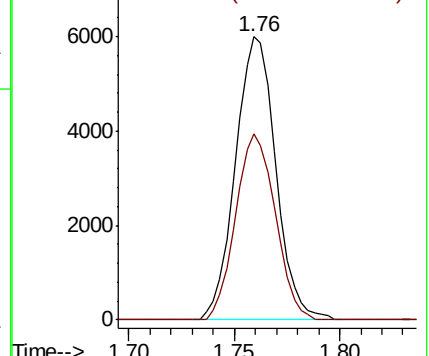
101 100

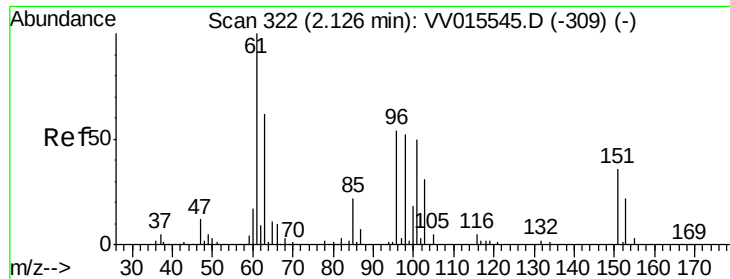
103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.101 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Instrument :

MSVOA_V

ClientSampled :

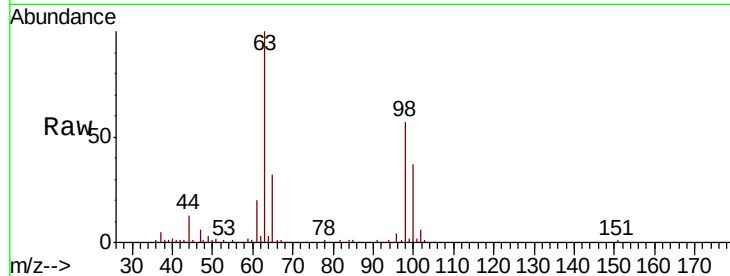
Tot Ion:101 Resp: 601

Ion Ratio Lower Upper

101 100

85 23.8 36.3 54.5#

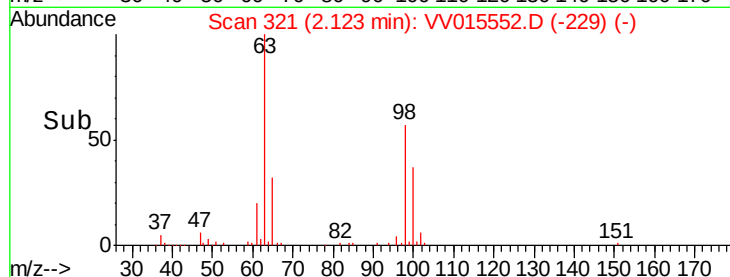
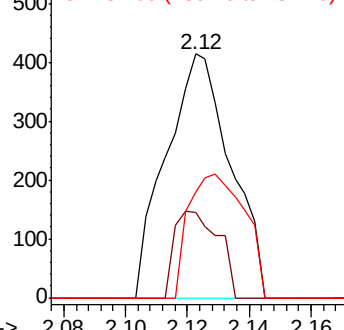
151 44.1 58.2 87.4#



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: 0.234 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

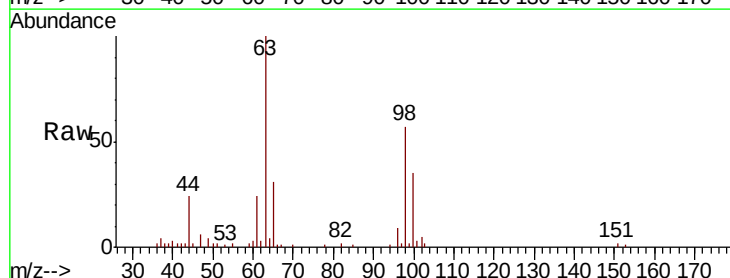
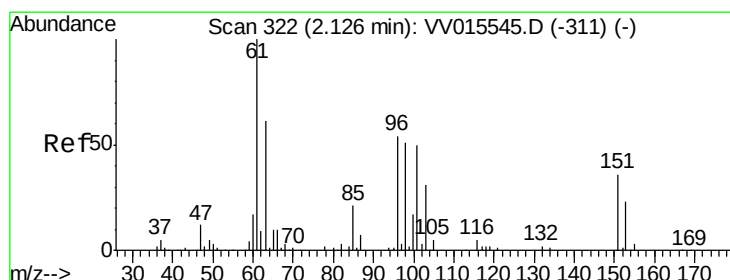
Tgt Ion: 96 Resp: 1327

Ion Ratio Lower Upper

96 100

61 283.5 127.7 237.1#

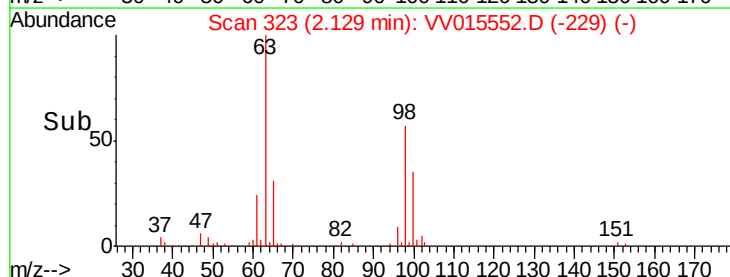
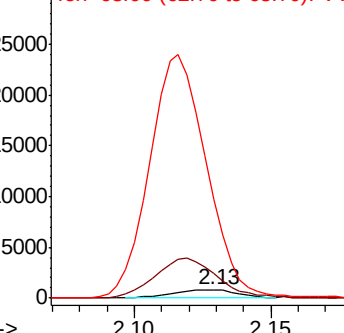
63 1161.4 75.1 139.5#

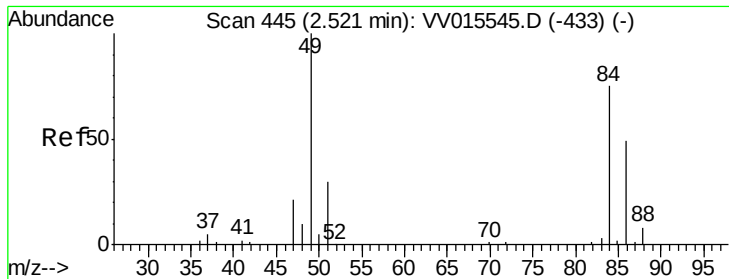


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

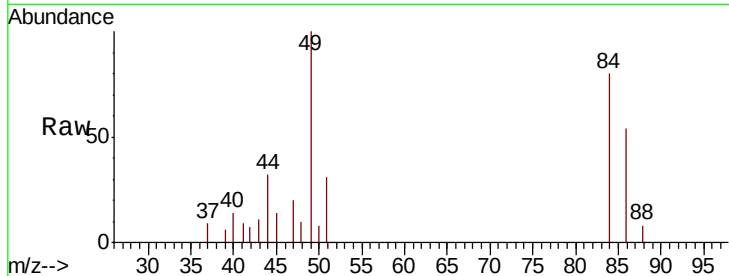




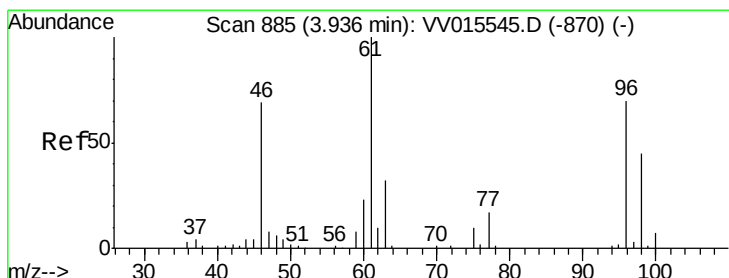
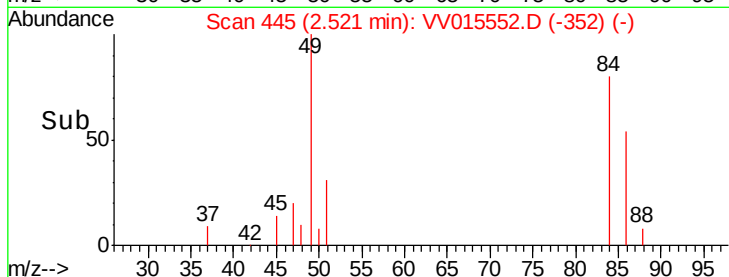
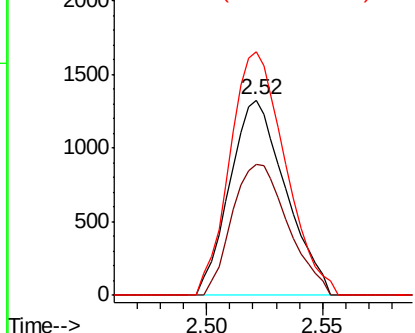
#16
Methylene chloride
Concen: 0.334 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015552.D
Acq: 17 Apr 2020 14:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 2220
Ion Ratio Lower Upper
84 100
86 67.2 45.1 83.7
49 124.7 97.9 181.7

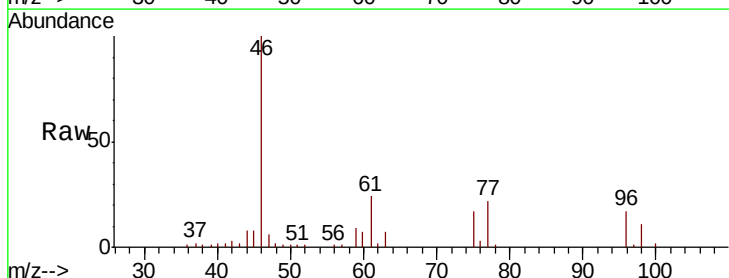


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

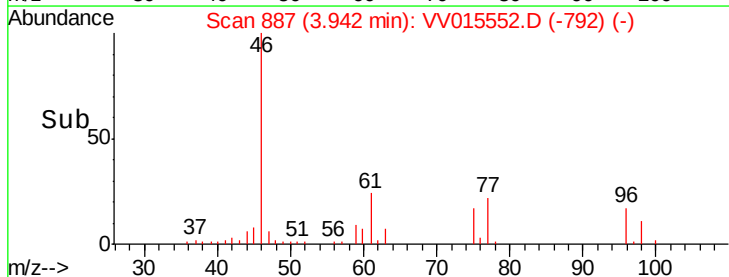
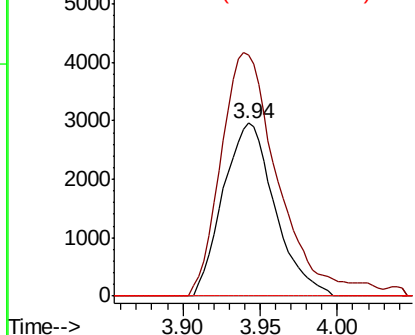


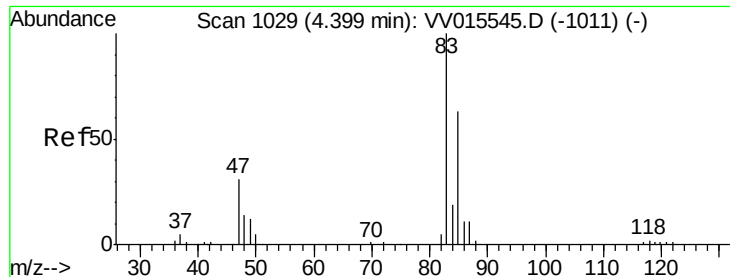
#22
cis-1,2-Dichloroethene
Concen: 1.039 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015552.D
Acq: 17 Apr 2020 14:04

Tgt Ion: 96 Resp: 6894
Ion Ratio Lower Upper
96 100
61 139.5 100.0 185.8
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

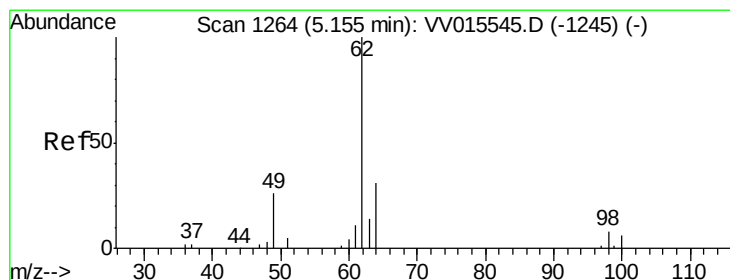
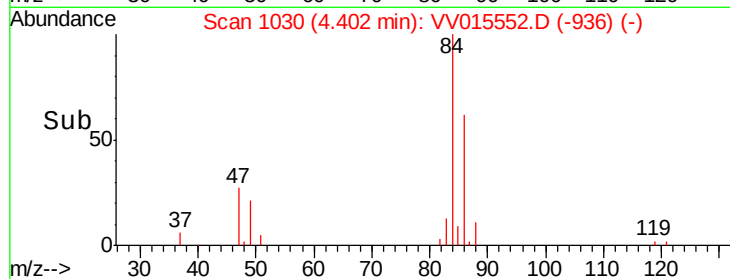
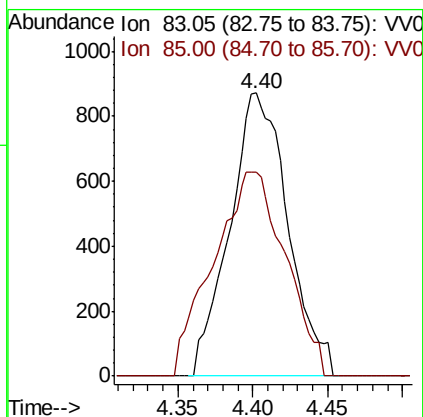
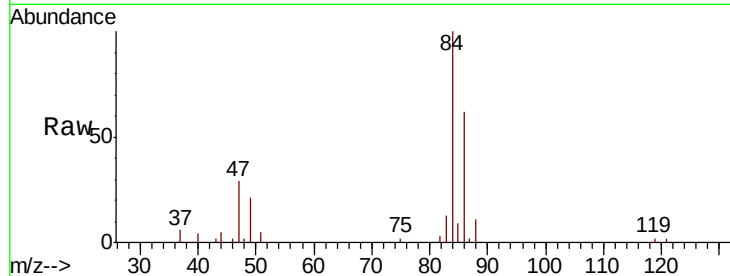




#25
Chloroform
Concen: 0.192 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015552.D
Acq: 17 Apr 2020 14:04

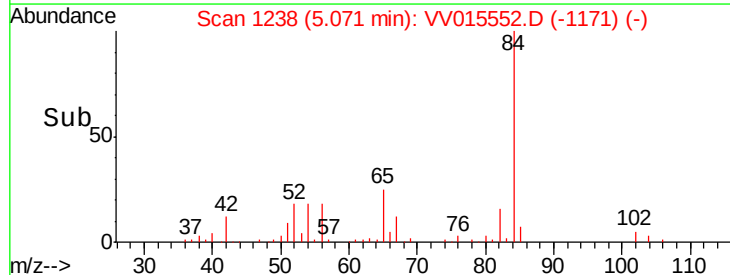
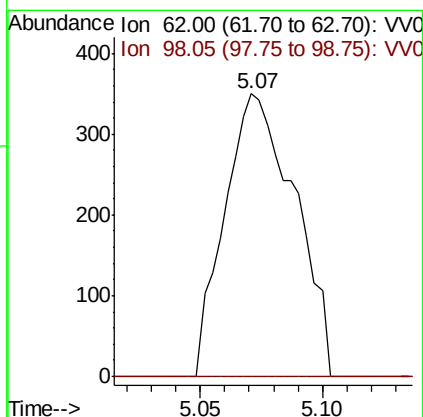
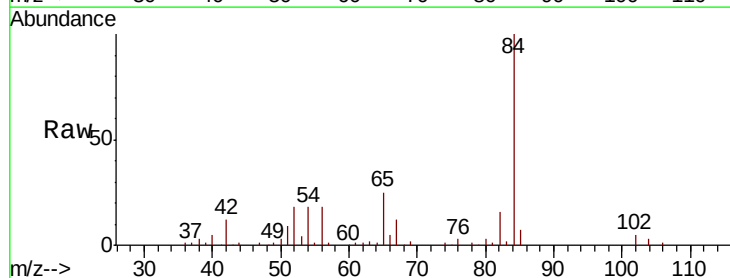
Instrument :
MSVOA_V
ClientSampleId :

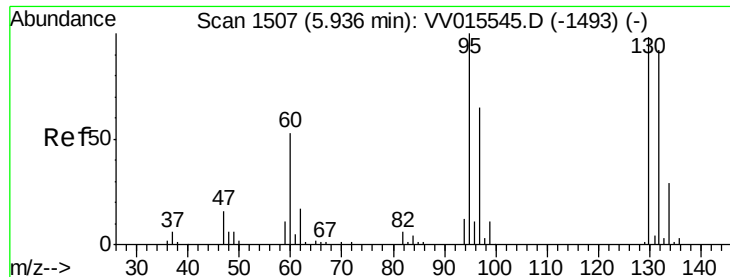
Tot Ion: 83 Resp: 2365
Ion Ratio Lower Upper
83 100
85 72.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.087 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV015552.D
Acq: 17 Apr 2020 14:04

Tgt Ion: 62 Resp: 697
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#34

Trichloroethene

Concen: 7.724 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 53415

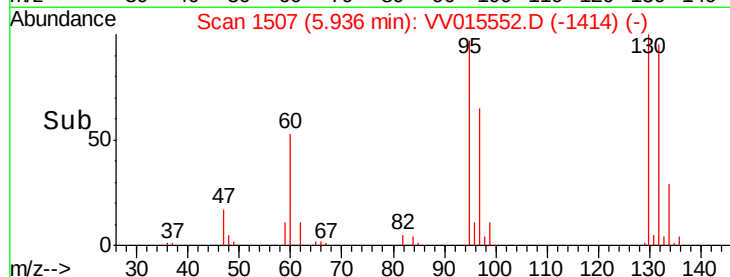
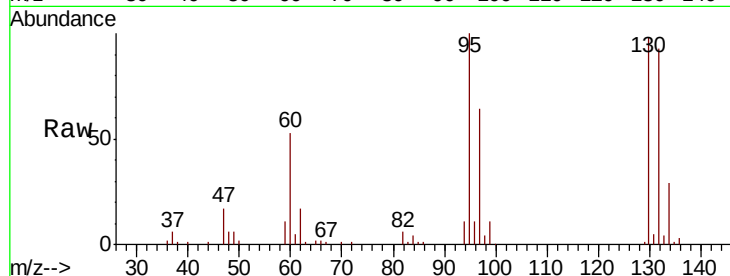
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.4

132 93.1 64.8 120.4

130 98.5 67.4 125.2

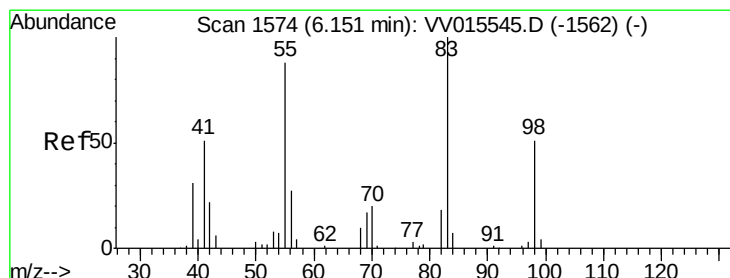
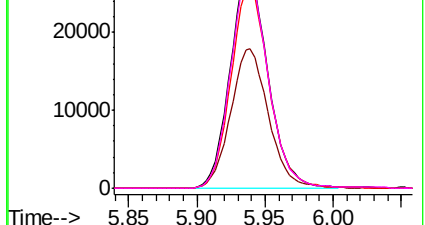


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.696 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

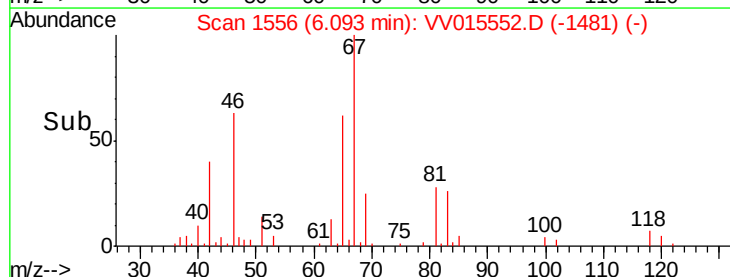
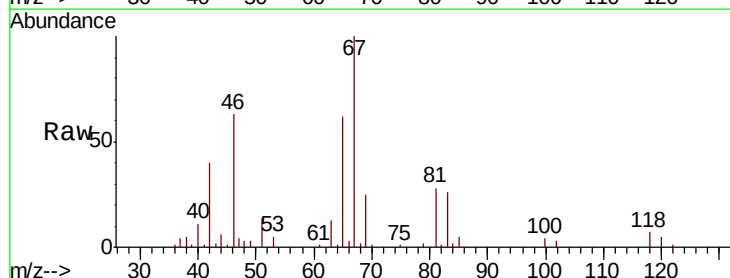
Tgt Ion: 83 Resp: 8112

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

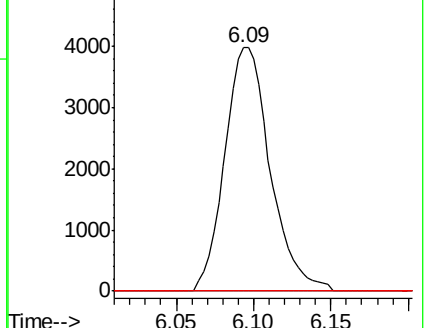
98 0.0 38.7 58.1#

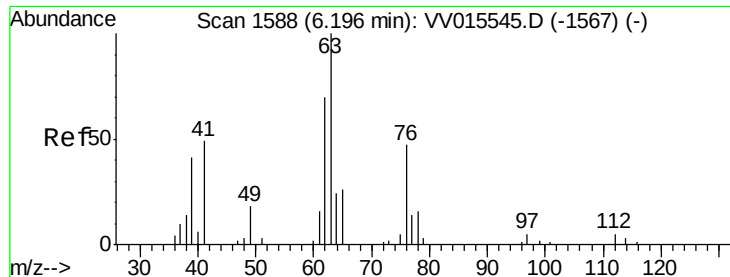


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

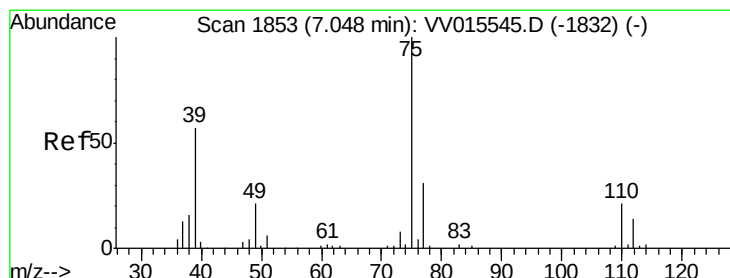
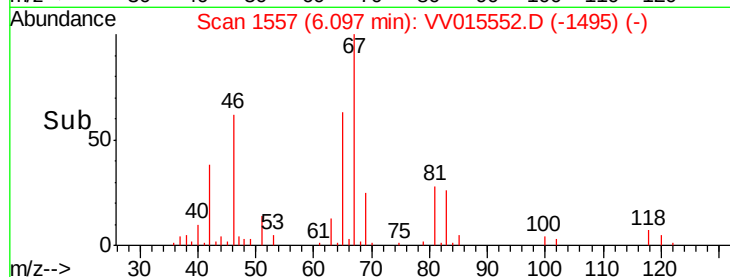
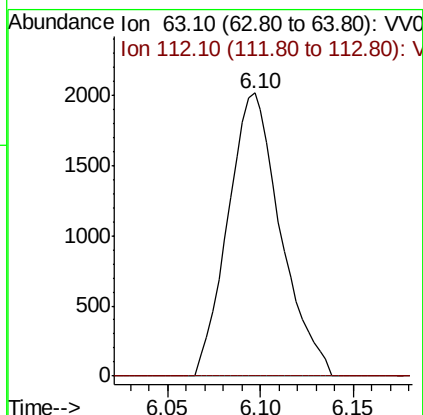
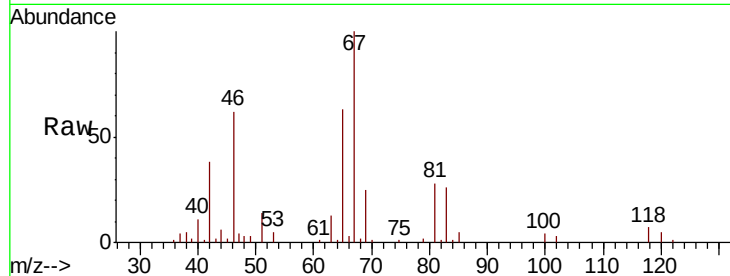




#37
 1,2-Dichloropropane
 Concen: 0.623 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015552.D
 Acq: 17 Apr 2020 14:04

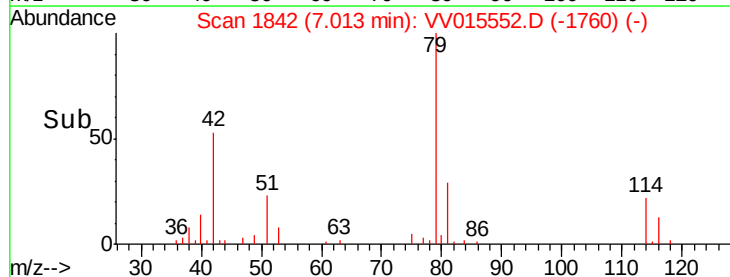
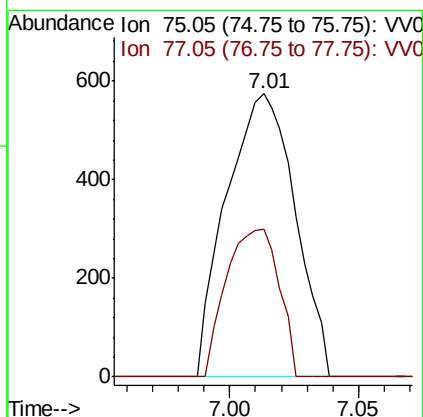
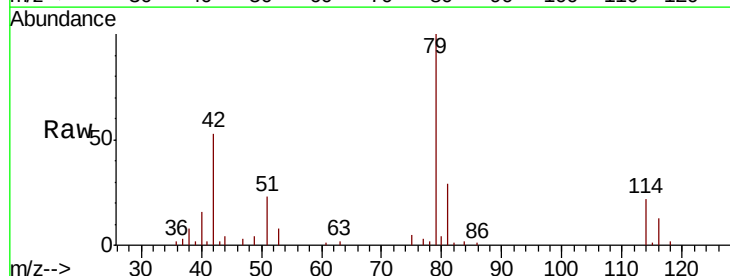
Instrument :
 MSVOA_V
 ClientSampleId :

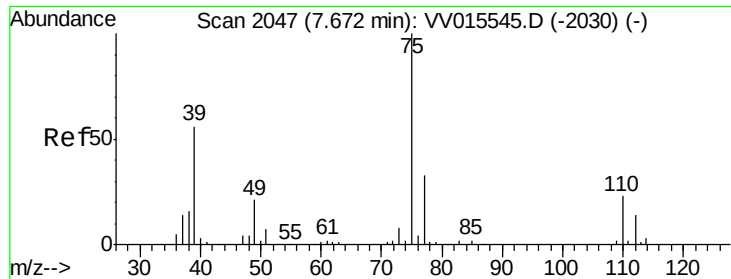
Tot Ion: 63 Resp: 3968
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015552.D
 Acq: 17 Apr 2020 14:04

Tgt Ion: 75 Resp: 1069
 Ion Ratio Lower Upper
 75 100
 77 52.1 23.0 42.6#





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Instrument :

MSVOA_V

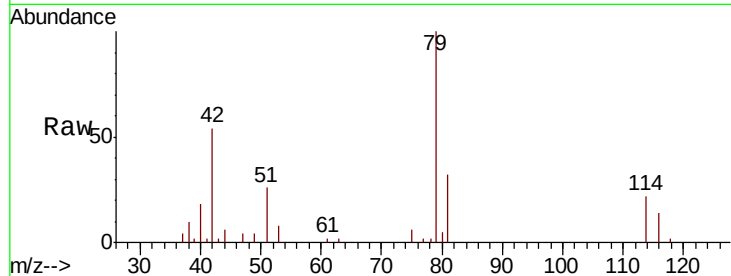
ClientSampleId :

Tot Ion: 75 Resp: 622

Ion Ratio Lower Upper

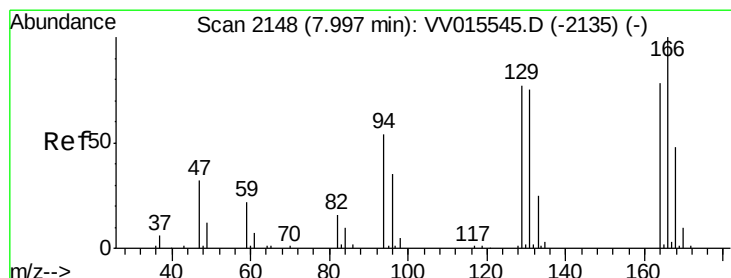
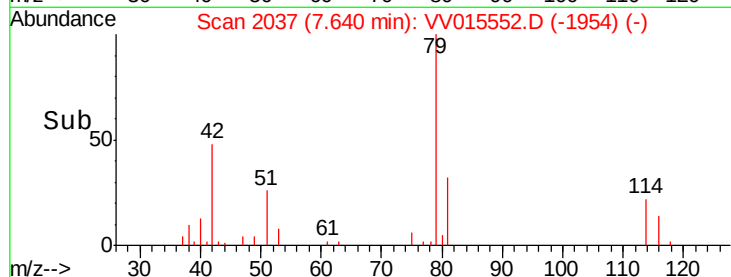
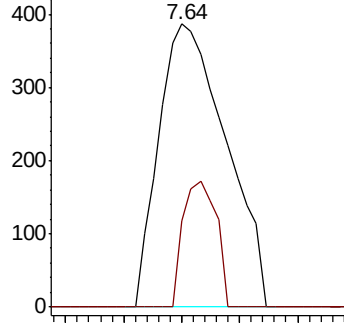
75 100

77 30.2 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 6.512 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Tgt Ion:164 Resp: 33368

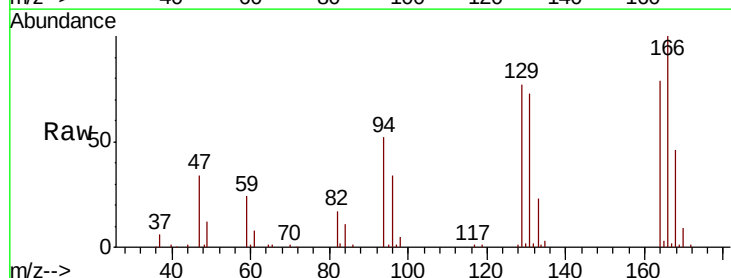
Ion Ratio Lower Upper

164 100

129 97.7 70.6 131.0

131 93.4 68.3 126.8

166 127.3 88.3 163.9

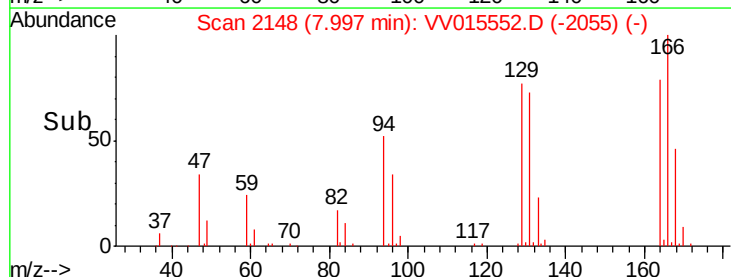
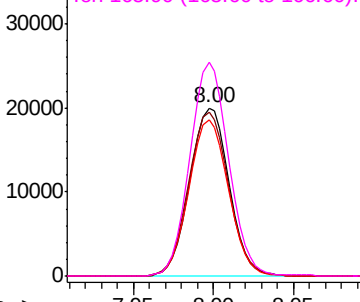


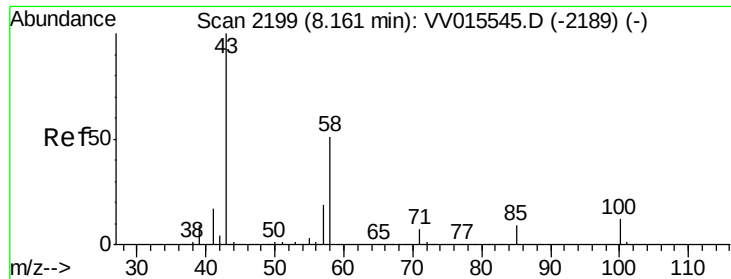
Abundance Ion 163.90 (163.60 to 164.60): V

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

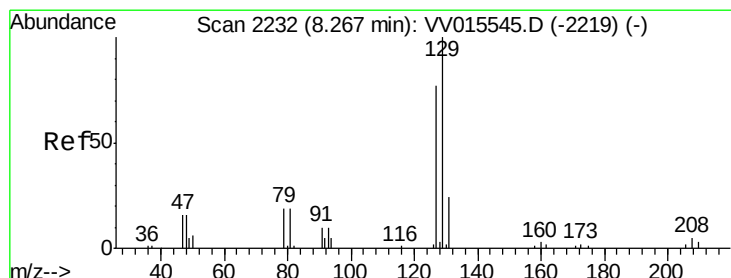
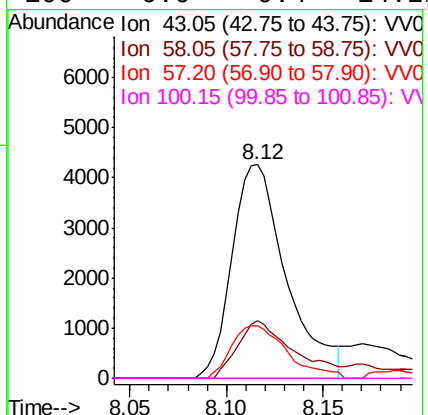
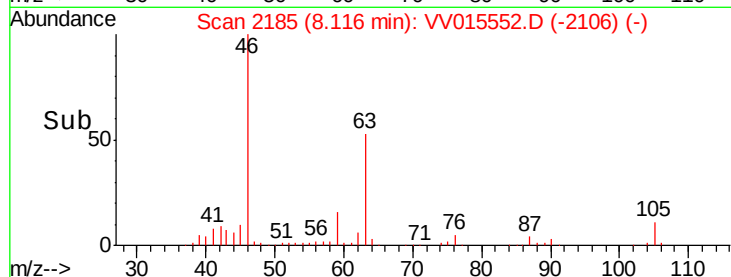
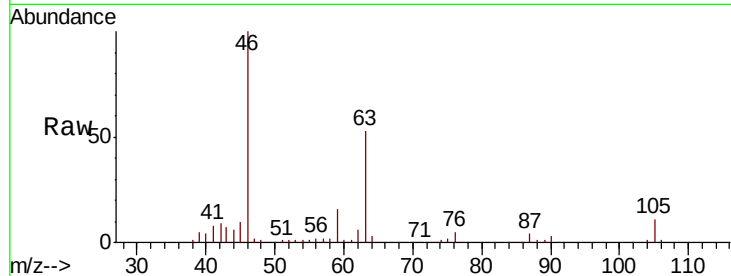




#48
2-Hexanone
Concen: 2.854 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.04 min
Lab File: VV015552.D
Acq: 17 Apr 2020 14:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8344
Ion Ratio Lower Upper
43 100
58 27.9 41.4 62.0#
57 25.1 15.0 22.4#
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 6.281 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015552.D
Acq: 17 Apr 2020 14:04

Tgt Ion: 129 Resp: 32230
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

