

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015553.D
 Acq On : 17 Apr 2020 14:27
 Operator : SY/MD
 Sample : L2320-08DL 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:40:46 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	90193	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	85468	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	41154	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23416	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.57	69	22466	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.12	63	36256	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	3.94	46	71960	54.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.52%
24) Chloroform-d	4.38	84	51400	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	30318	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.07	84	100934	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.10	67	31558	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.34	98	90206	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.64	79	12194	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.11	63	59756	48.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20659	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	34896	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

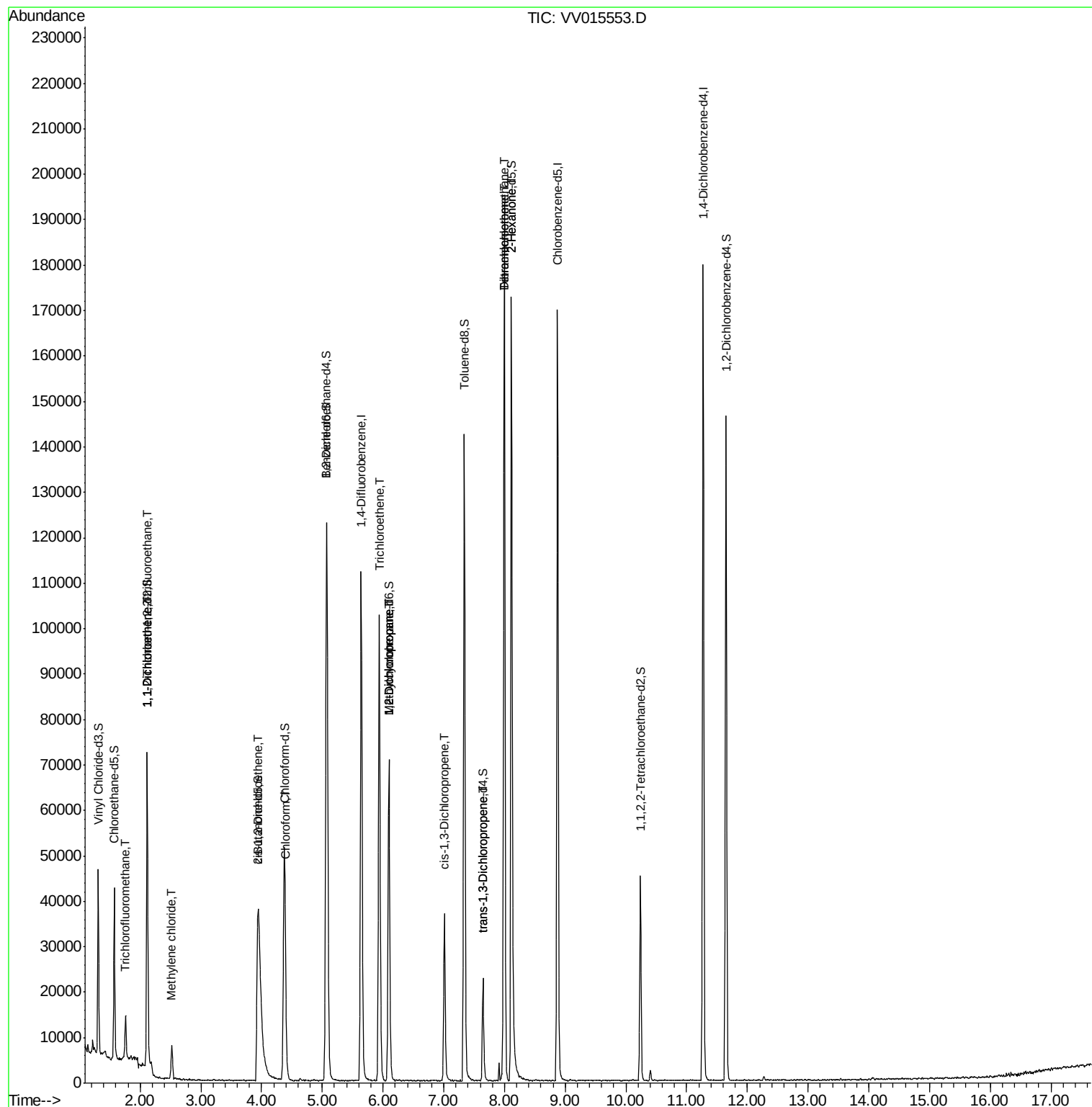
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.76	101	5361	0.512	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	570	0.096	ug/L #	47
12) 1,1-Dichloroethene	2.13	96	1692	0.299	ug/L #	1
16) Methylene chloride	2.52	84	2665	0.402	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	3139	0.474	ug/L	95
25) Chloroform	4.40	83	2142	0.174	ug/L	90
34) Trichloroethene	5.94	95	34578	5.022	ug/L	99
35) Methylcyclohexane	6.09	83	7946	0.685	ug/L #	15
37) 1,2-Dichloropropane	6.10	63	4075	0.642	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1112	0.114	ug/L #	62
44) trans-1,3-Dichloropropene	7.65	75	655	0.080	ug/L	90
47) Tetrachloroethene	8.00	164	39748	7.792	ug/L	98
48) 2-Hexanone	8.11	43	8088	2.779	ug/L #	72
49) Dibromochloromethane	8.00	129	37274	7.296	ug/L #	10

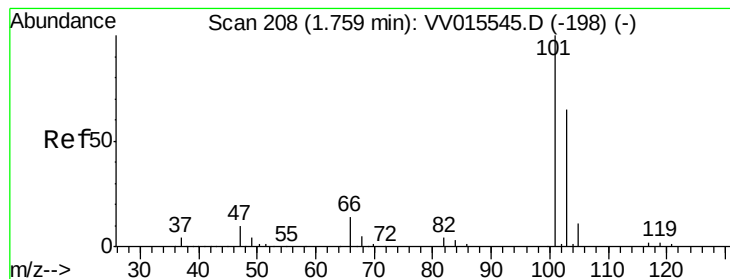
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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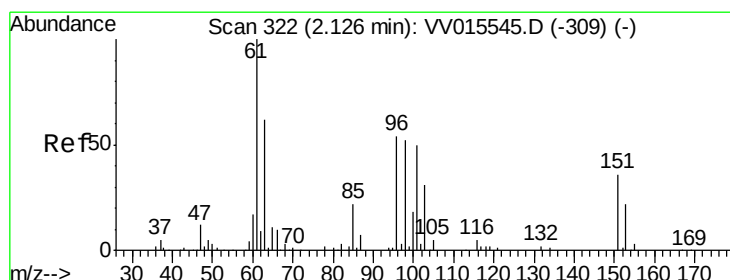
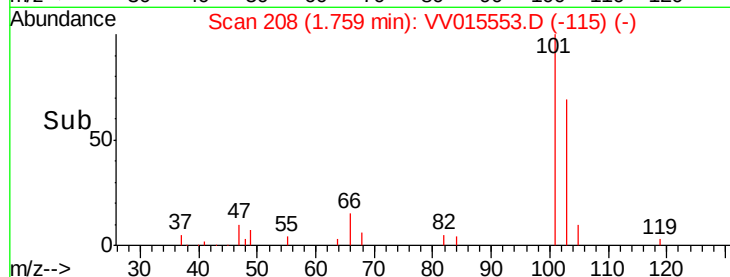
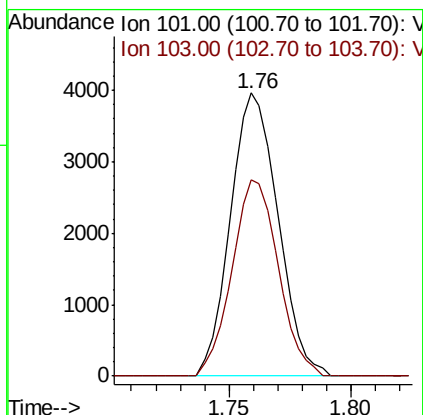
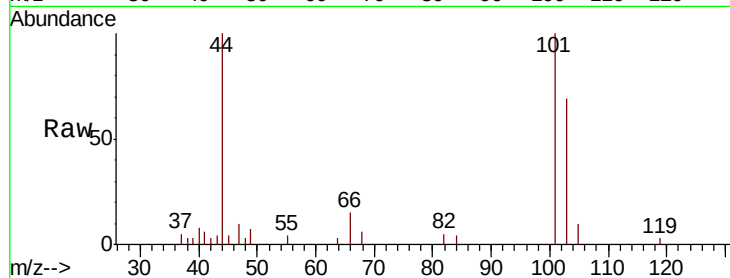


#9

Trichlorofluoromethane
 Concen: 0.512 ug/L
 RT: 1.76 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VV015553.D
 Acq: 17 Apr 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :

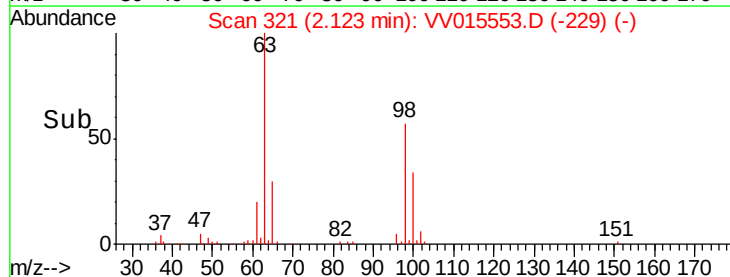
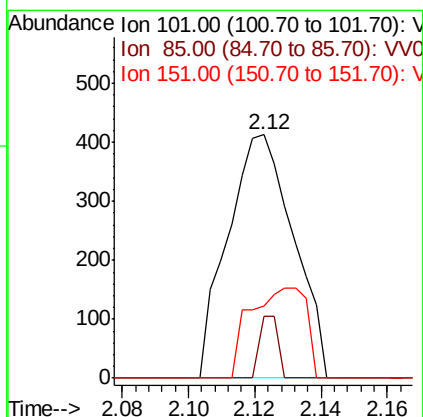
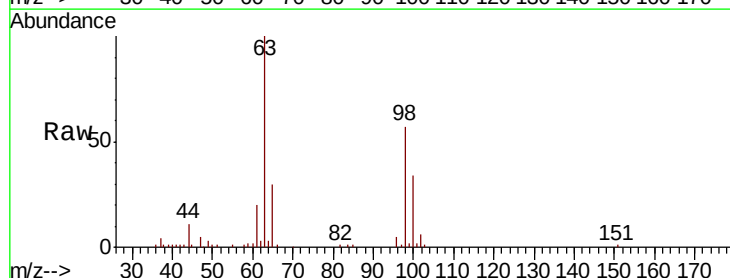
Tot Ion:101 Resp: 5361
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.9 77.9

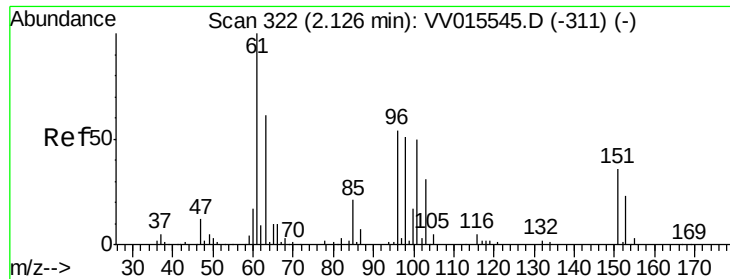


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.096 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VV015553.D
 Acq: 17 Apr 2020 14:27

Tgt Ion:101 Resp: 570
 Ion Ratio Lower Upper
 101 100
 85 7.2 36.3 54.5#
 151 31.8 58.2 87.4#





#12

1,1-Dichloroethene

Concen: 0.299 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015553.D

Acq: 17 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

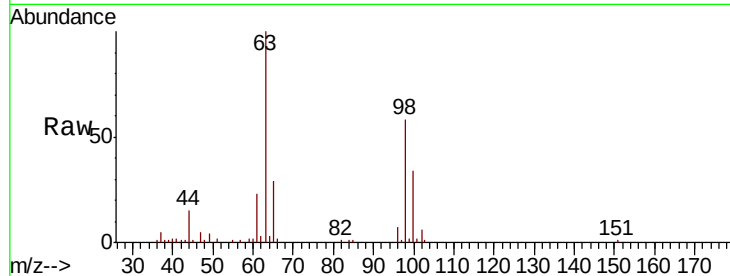
Tot Ion: 96 Resp: 1692

Ion Ratio Lower Upper

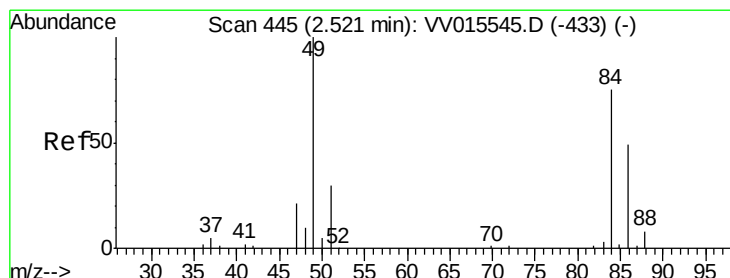
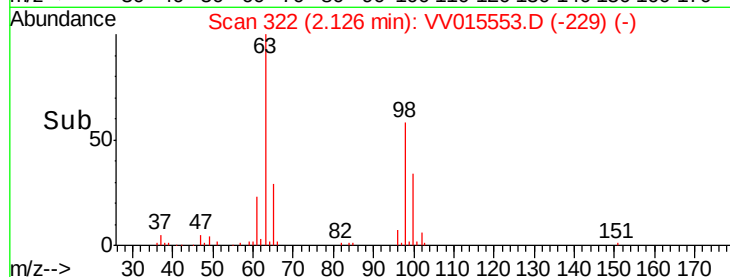
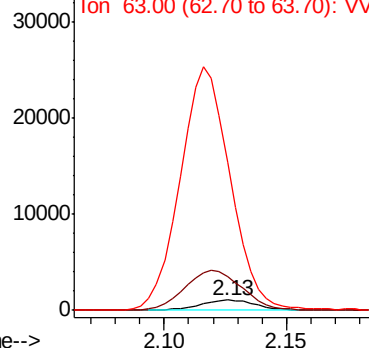
96 100

61 328.8 127.7 237.1#

63 1447.4 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: 0.402 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015553.D

Acq: 17 Apr 2020 14:27

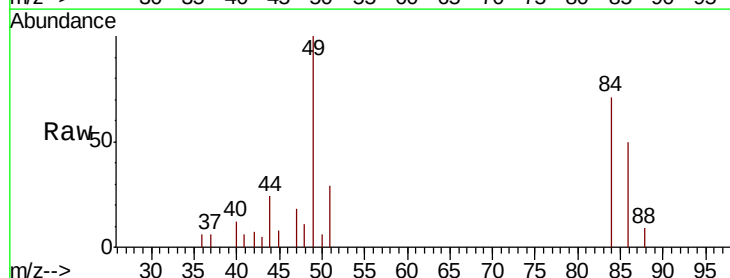
Tgt Ion: 84 Resp: 2665

Ion Ratio Lower Upper

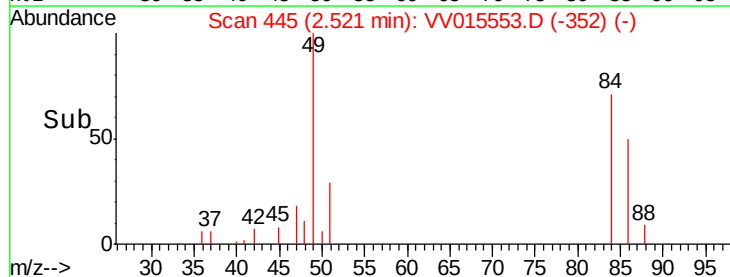
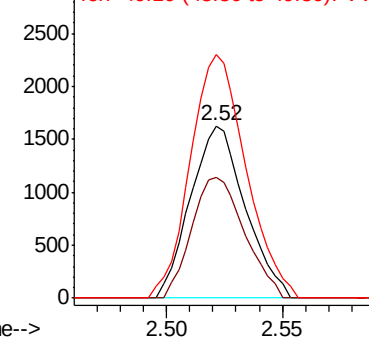
84 100

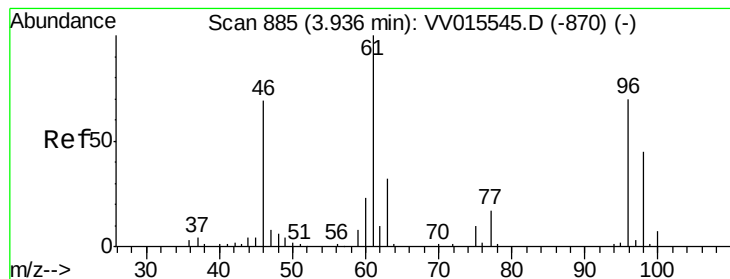
86 70.0 45.1 83.7

49 141.3 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: 0.474 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV015553.D

Acq: 17 Apr 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

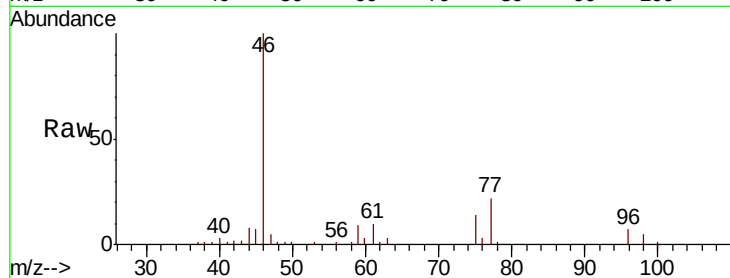
Tot Ion: 96 Resp: 3139

Ion Ratio Lower Upper

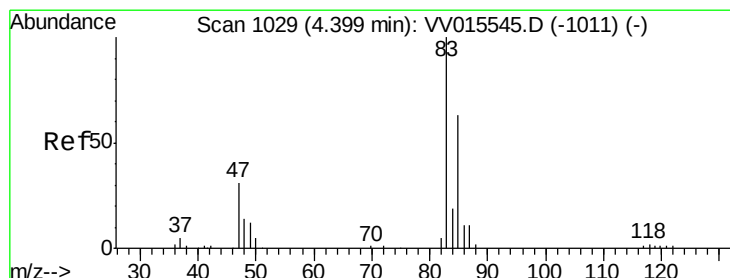
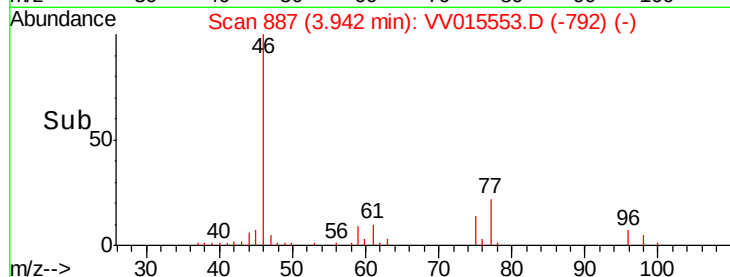
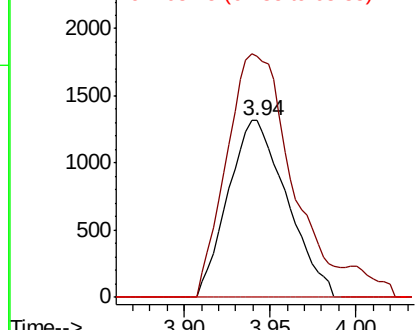
96 100

61 136.3 100.0 185.8

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: 0.174 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV015553.D

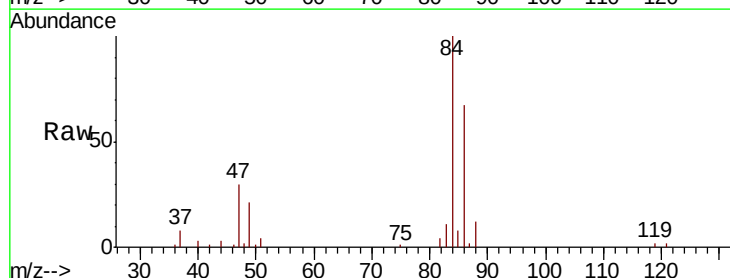
Acq: 17 Apr 2020 14:27

Tgt Ion: 83 Resp: 2142

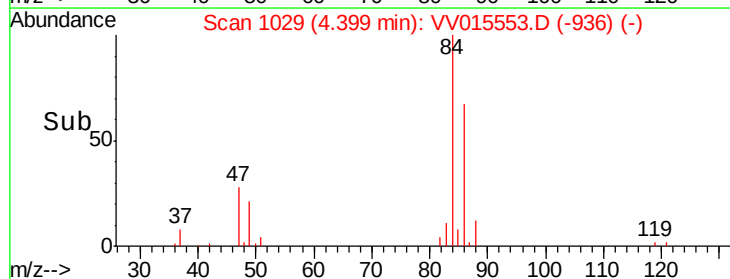
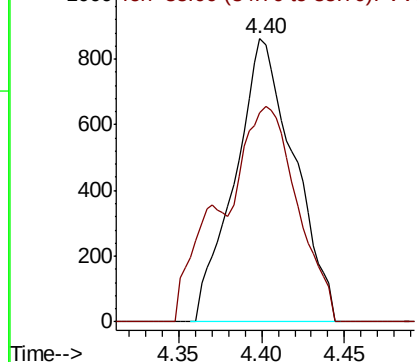
Ion Ratio Lower Upper

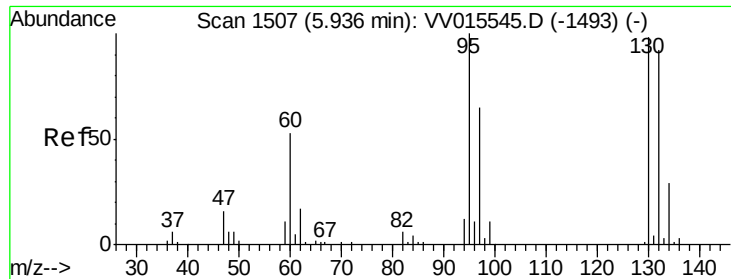
83 100

85 73.7 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 5.022 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015553.D

Acq: 17 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 34578

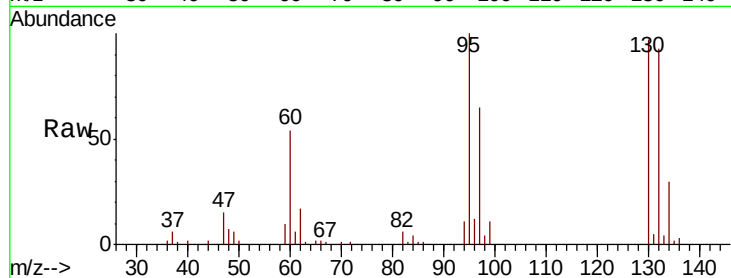
Ion Ratio Lower Upper

95 100

97 65.2 45.4 84.4

132 93.0 64.8 120.4

130 97.1 67.4 125.2

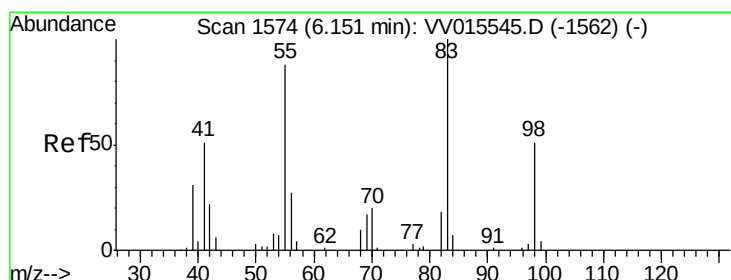
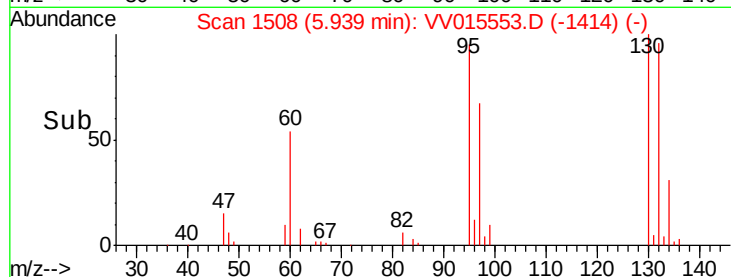
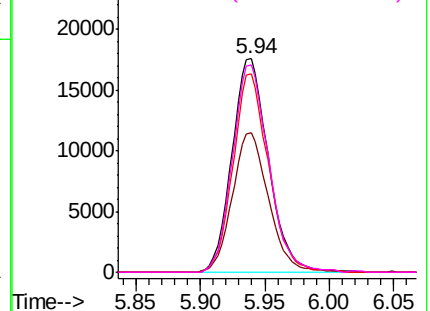


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 0.685 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015553.D

Acq: 17 Apr 2020 14:27

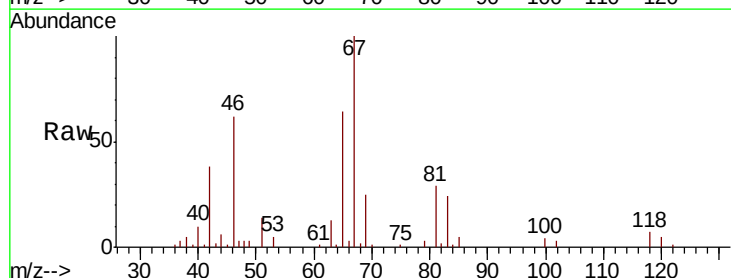
Tgt Ion: 83 Resp: 7946

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

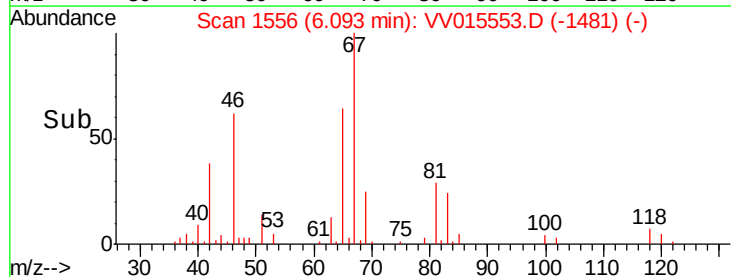
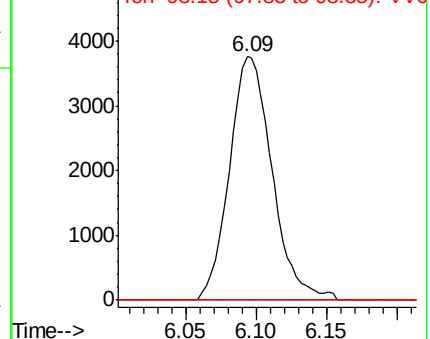
98 0.0 38.7 58.1#

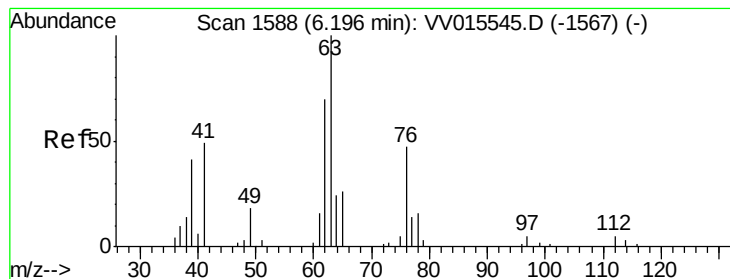


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.642 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015553.D

Acq: 17 Apr 2020 14:27

Instrument :

MSVOA_V

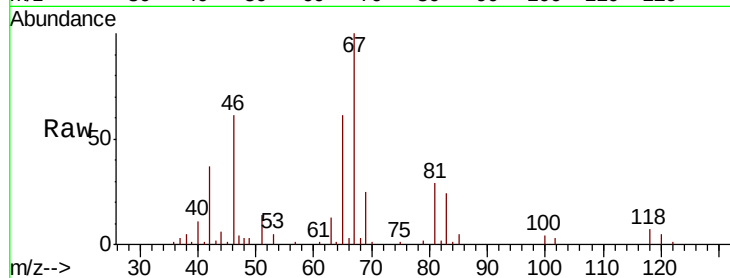
ClientSampled :

Tot Ion: 63 Resp: 4075

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015545.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV015545.D (-1567) (-)

2500

2000

1500

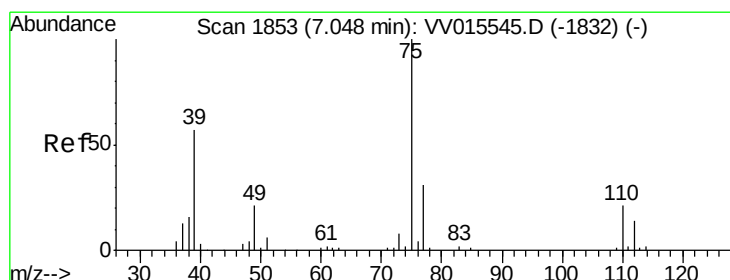
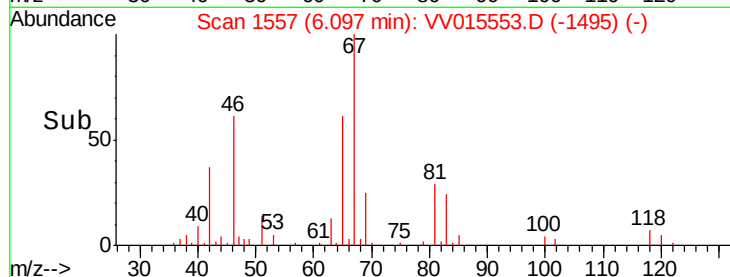
1000

500

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015553.D

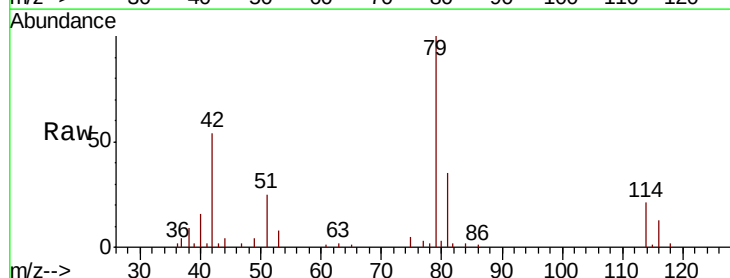
Acq: 17 Apr 2020 14:27

Tgt Ion: 75 Resp: 1112

Ion Ratio Lower Upper

75 100

77 54.3 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015545.D (-1832) (-)

Ion 77.05 (76.75 to 77.75): VV015545.D (-1832) (-)

600

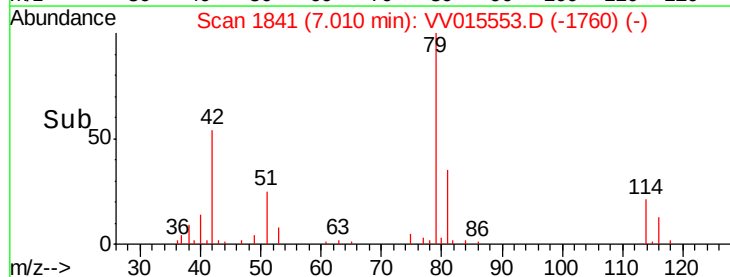
400

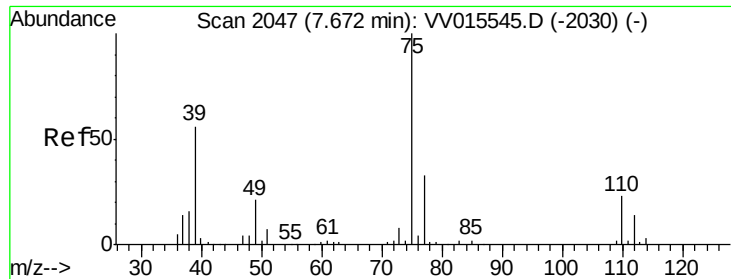
200

0

7.00 7.01 7.05

Time-->

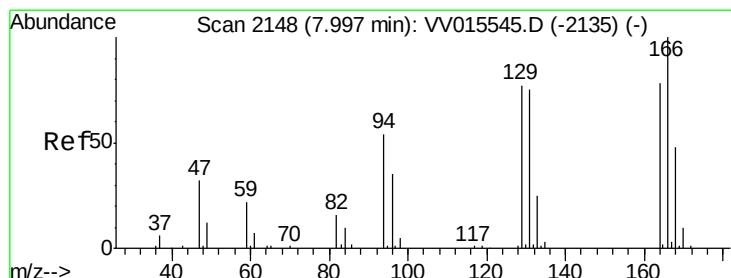
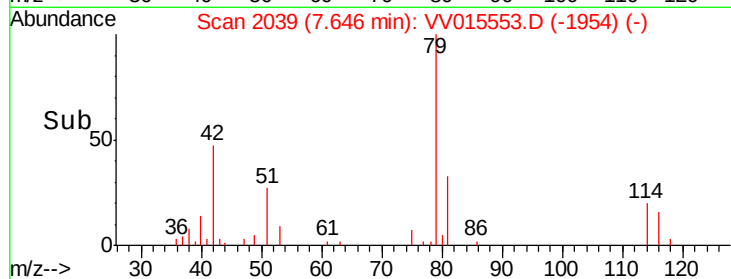
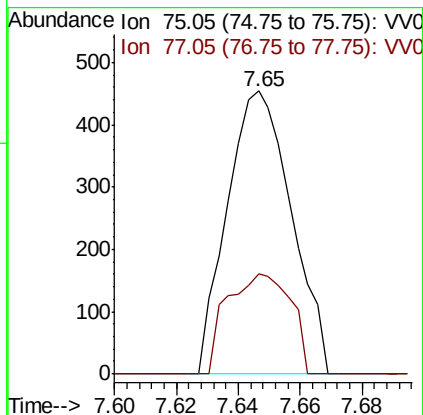
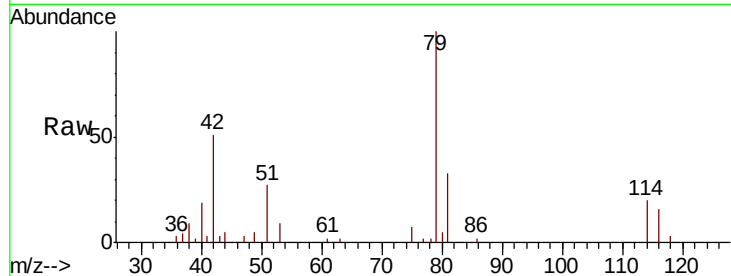




#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV015553.D
Acq: 17 Apr 2020 14:27

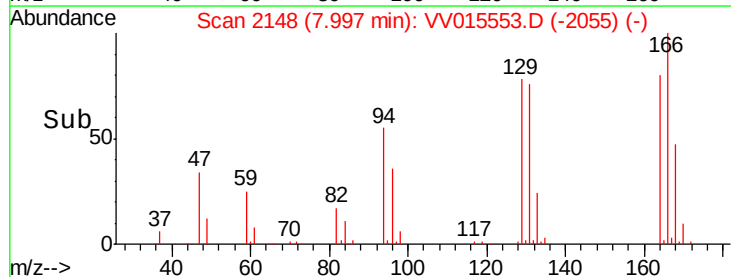
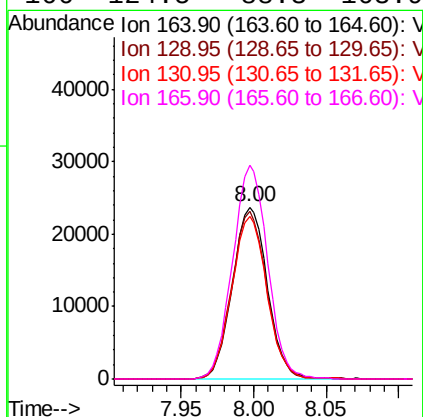
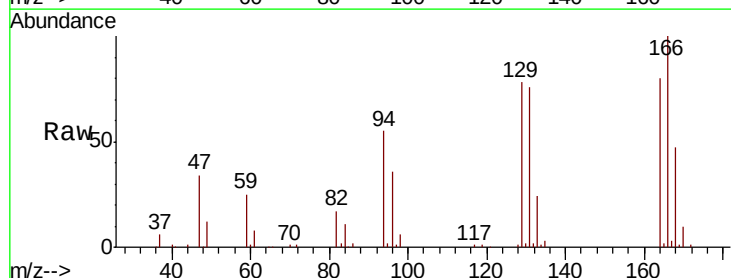
Instrument :
MSVOA_V
ClientSampled :

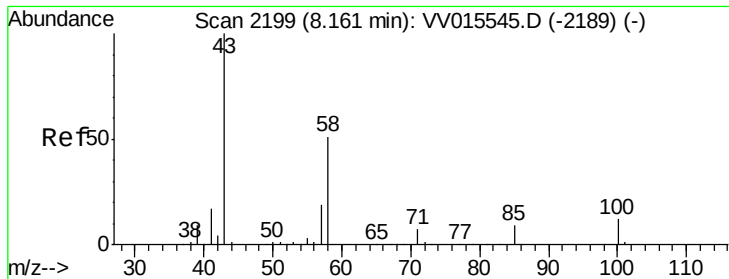
Tot Ion: 75 Resp: 655
Ion Ratio Lower Upper
75 100
77 35.2 21.0 39.0



#47
Tetrachloroethene
Concen: 7.792 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015553.D
Acq: 17 Apr 2020 14:27

Tgt Ion:164 Resp: 39748
Ion Ratio Lower Upper
164 100
129 97.5 70.6 131.0
131 95.0 68.3 126.8
166 124.5 88.3 163.9

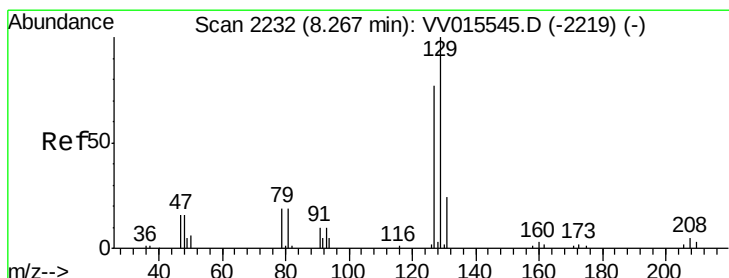
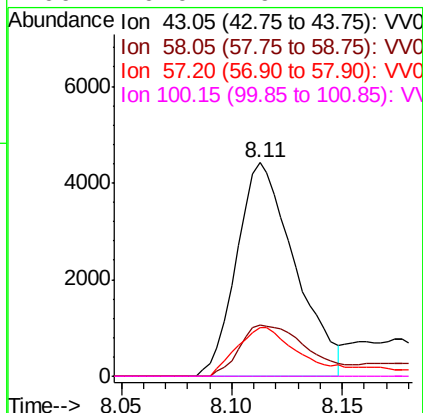
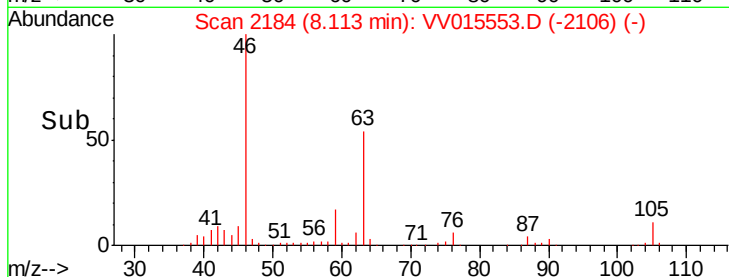
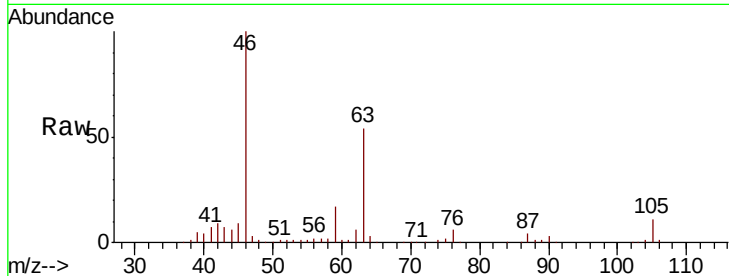




#48
2-Hexanone
Concen: 2.779 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015553.D
Acq: 17 Apr 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8088
Ion Ratio Lower Upper
43 100
58 28.3 41.4 62.0#
57 24.7 15.0 22.4#
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 7.296 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015553.D
Acq: 17 Apr 2020 14:27

Tgt Ion: 129 Resp: 37274
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

