

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015766.D
 Acq On : 28 Apr 2020 23:29
 Operator : SY/MD
 Sample : L2421-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 03:48:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 03:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	121452	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119221	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56497	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37724	5.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.80%
7) Chloroethane-d5	1.58	69	33356	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	2.12	63	55658	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.92	46	87871	43.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.24%
24) Chloroform-d	4.38	84	64256	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.06	65	38807	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.08	84	132634	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.10	67	41485	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	121022	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.65	79	13826	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.11	63	61129	35.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.30%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	27362	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	42991	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

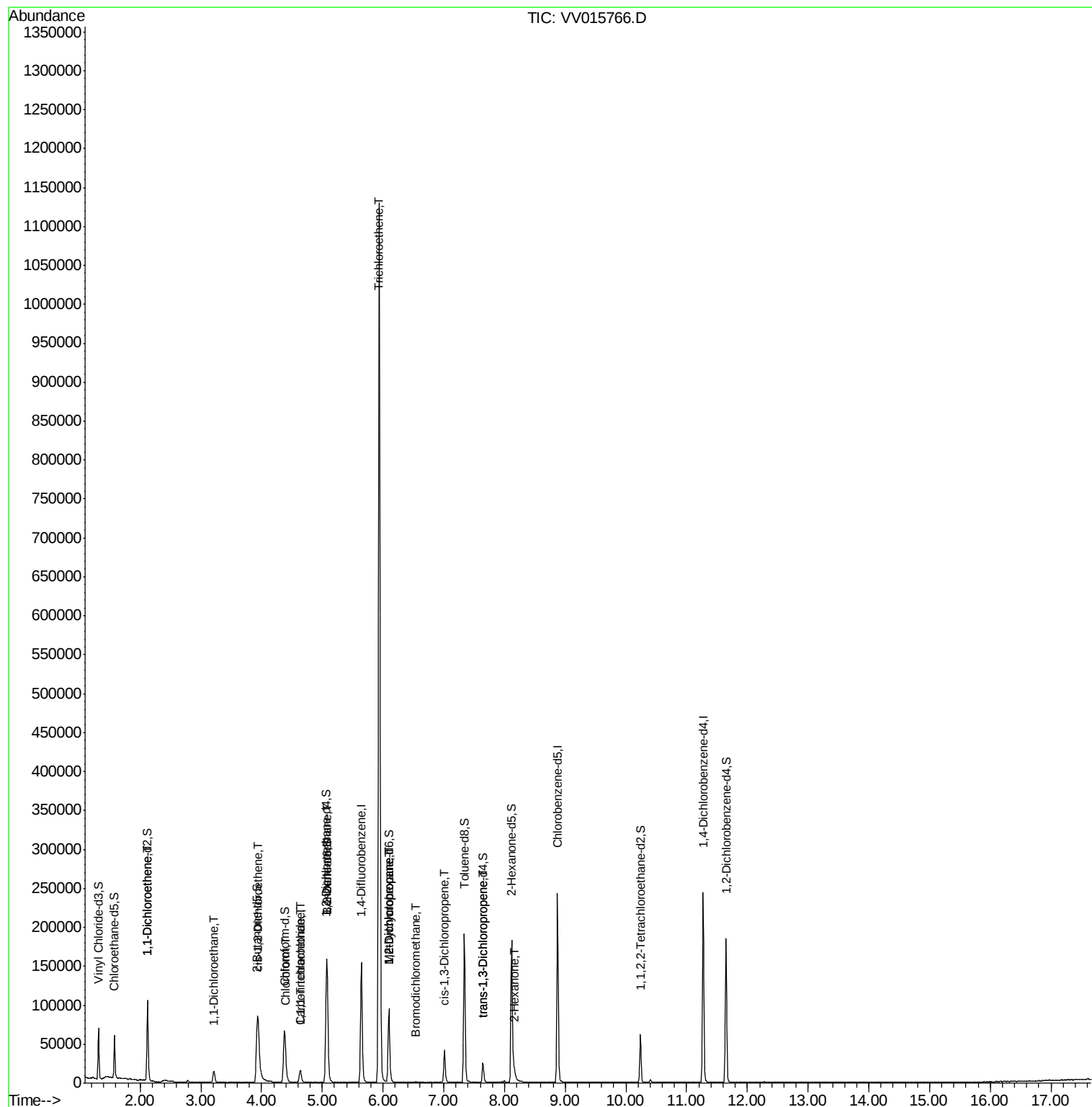
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	720	0.102	ug/L #	1
19) 1,1-Dichloroethane	3.22	63	15430	0.993	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	23428	2.677	ug/L	99
25) Chloroform	4.41	83	7873	0.477	ug/L	94
27) 1,2-Dichloroethane	5.08	62	526	0.049	ug/L #	78
29) 1,1,1-Trichloroethane	4.63	97	12754	0.844	ug/L	98
31) Carbon tetrachloride	4.64	117	1584	0.127	ug/L	98
34) Trichloroethene	5.94	95	386256	41.062	ug/L	99
35) Methylcyclohexane	6.09	83	10394	0.720	ug/L #	15
37) 1,2-Dichloropropane	6.10	63	5523	0.638	ug/L #	86
38) Bromodichloromethane	6.54	83	896	0.081	ug/L #	94
39) cis-1,3-Dichloropropene	7.01	75	1108	0.092	ug/L #	55
44) trans-1,3-Dichloropropene	7.65	75	772	0.076	ug/L	98
48) 2-Hexanone	8.17	43	7255	1.811	ug/L #	82

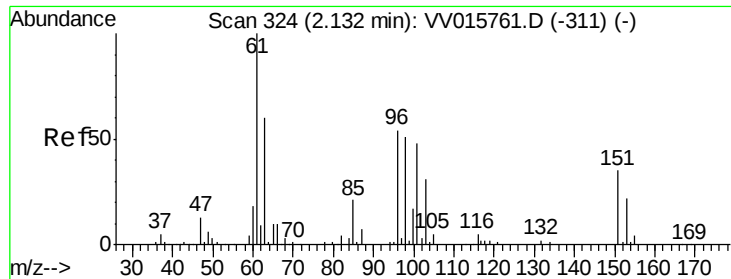
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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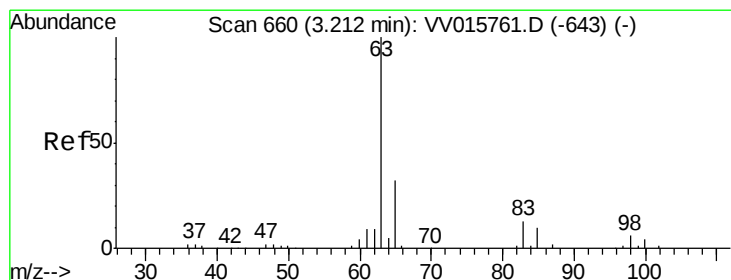
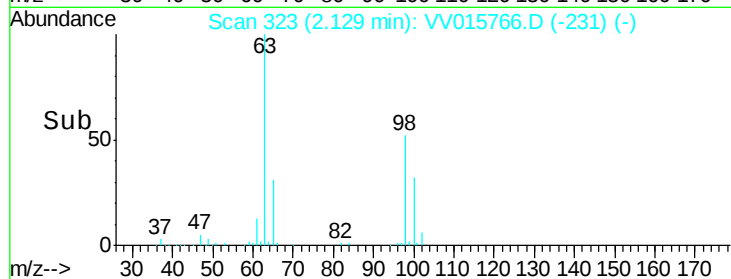
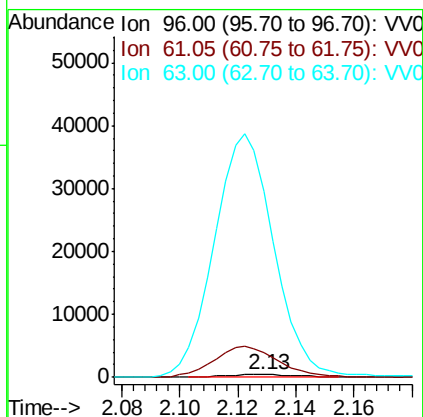
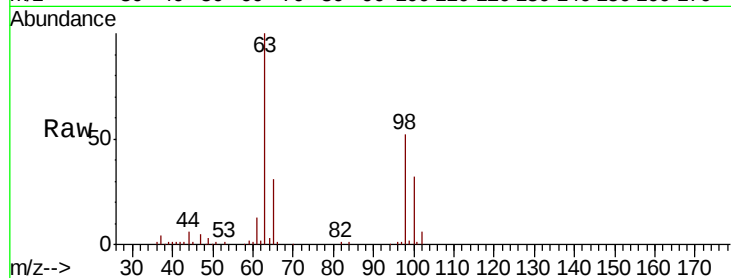




#12
 1,1-Dichloroethene
 Concen: 0.102 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV015766.D
 Acq: 28 Apr 2020 23:29

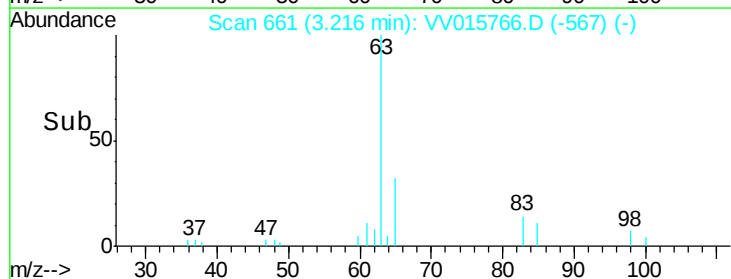
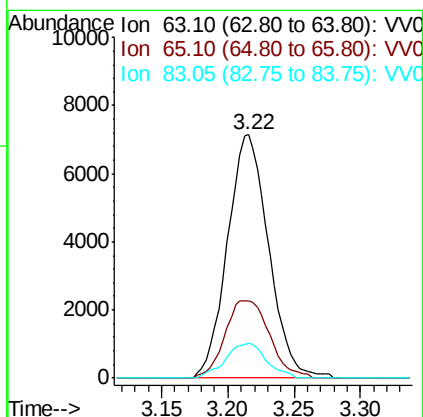
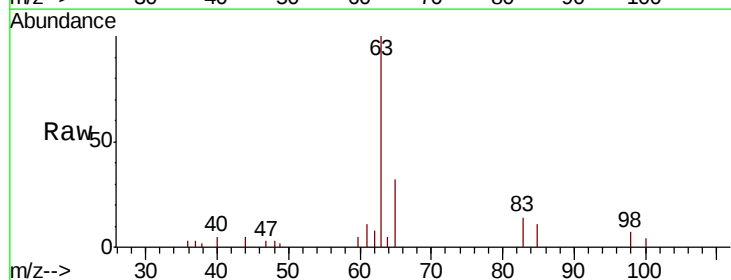
Instrument :
 MSVOA_V
 ClientSampleId :

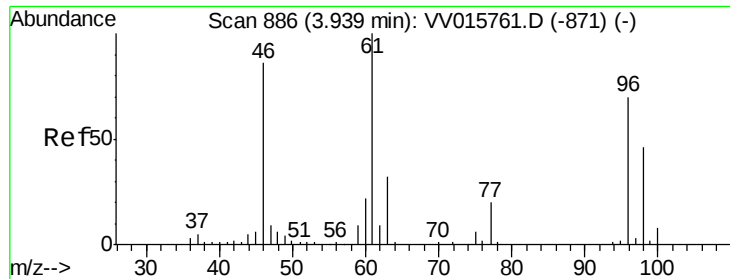
Tot Ion: 96 Resp: 720
 Ion Ratio Lower Upper
 96 100
 61 891.3 130.1 241.7#
 63 6804.6 91.4 169.8#



#19
 1,1-Dichloroethane
 Concen: 0.993 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV015766.D
 Acq: 28 Apr 2020 23:29

Tgt Ion: 63 Resp: 15430
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 14.3 9.3 17.3

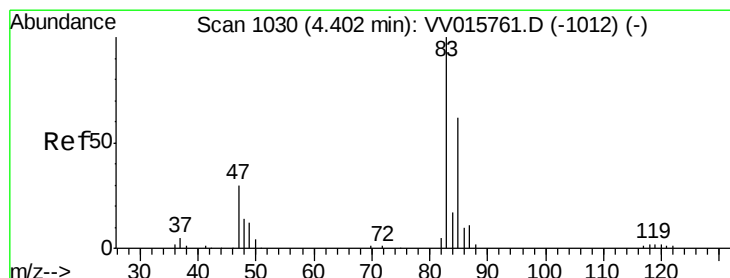
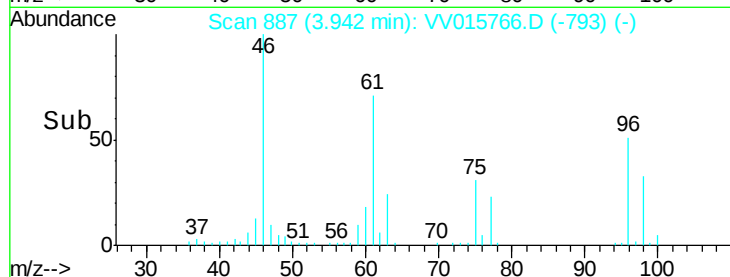
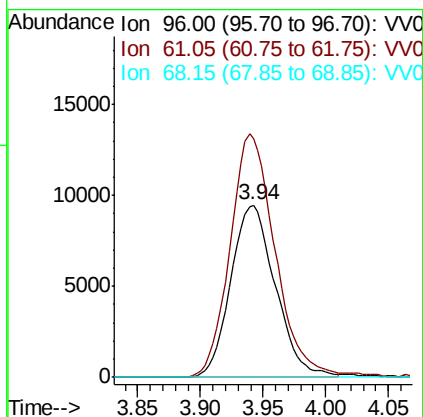
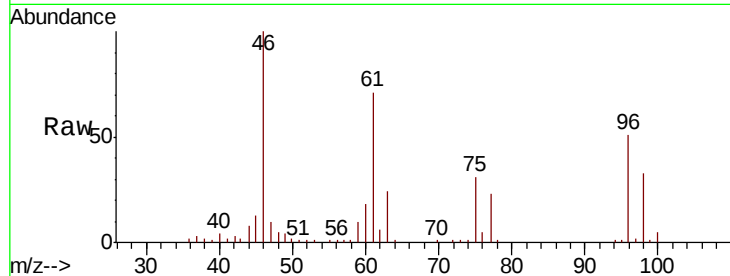




#22
 cis-1,2-Dichloroethene
 Concen: 2.677 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV015766.D
 Acq: 28 Apr 2020 23:29

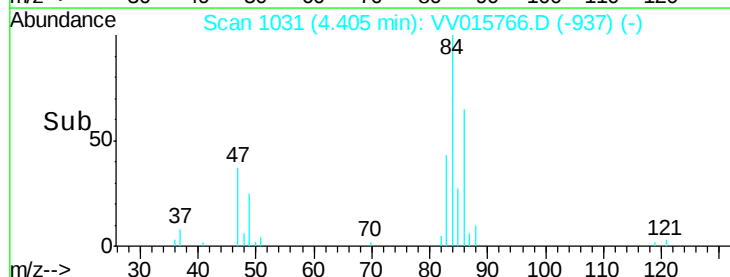
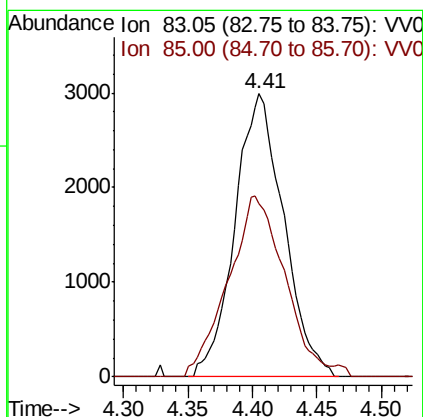
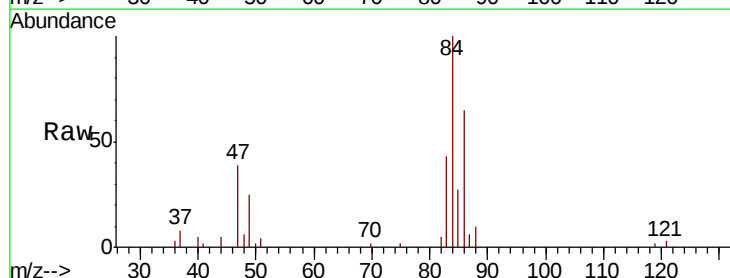
Instrument :
 MSVOA_V
 ClientSampleId :

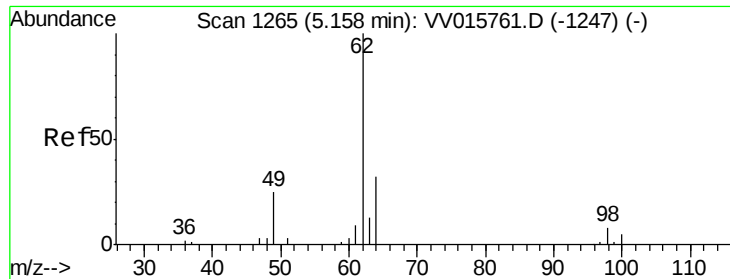
Tot Ion: 96 Resp: 23428
 Ion Ratio Lower Upper
 96 100
 61 139.0 96.4 179.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.477 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV015766.D
 Acq: 28 Apr 2020 23:29

Tgt Ion: 83 Resp: 7873
 Ion Ratio Lower Upper
 83 100
 85 61.2 46.1 85.5





#27

1,2-Dichloroethane

Concen: 0.049 ug/L

RT: 5.08 min Scan# 1241

Delta R.T. -0.08 min

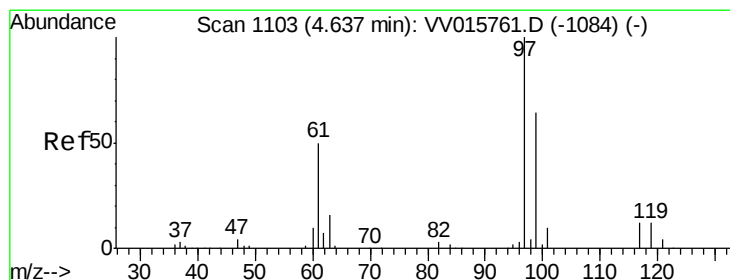
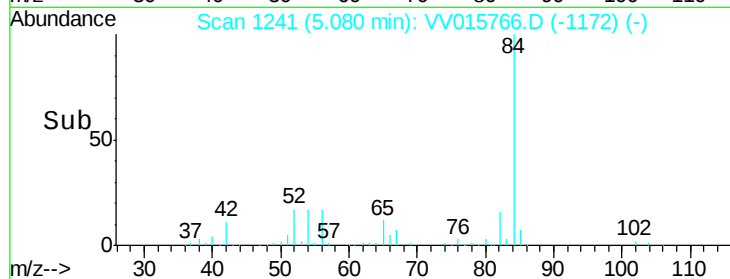
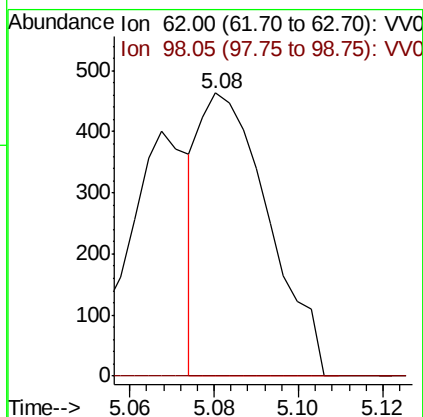
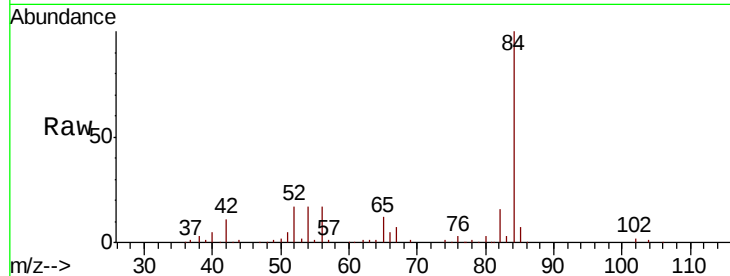
Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 526

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.3	9.5#



#29

1,1,1-Trichloroethane

Concen: 0.844 ug/L

RT: 4.63 min Scan# 1102

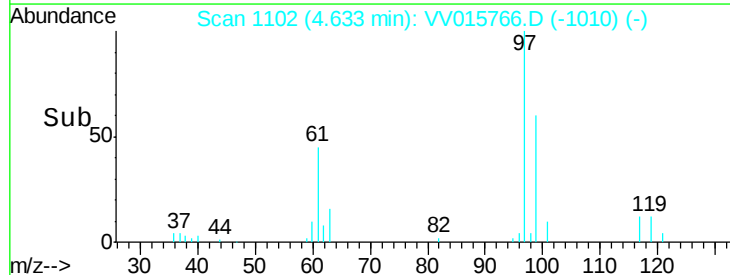
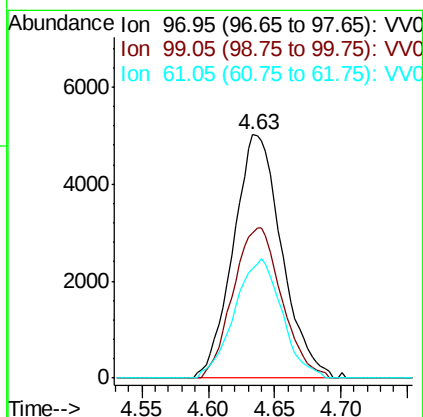
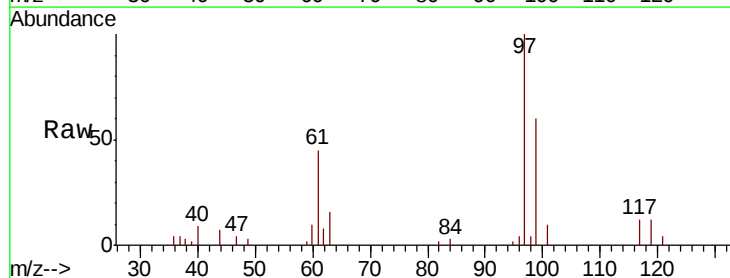
Delta R.T. -0.00 min

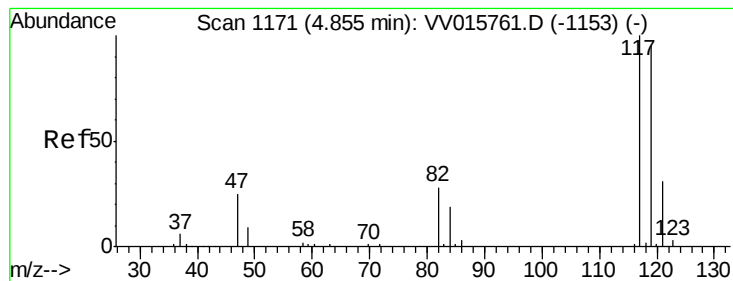
Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

Tgt Ion: 97 Resp: 12754

Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.6	77.4
61	47.9	38.6	57.8





#31

Carbon tetrachloride

Concen: 0.127 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. -0.22 min

Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

Instrument :

MSVOA_V

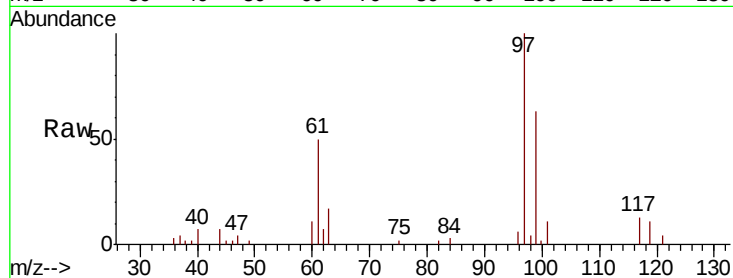
ClientSampleId :

Tot Ion:117 Resp: 1584

Ion Ratio Lower Upper

117 100

119 92.2 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.64

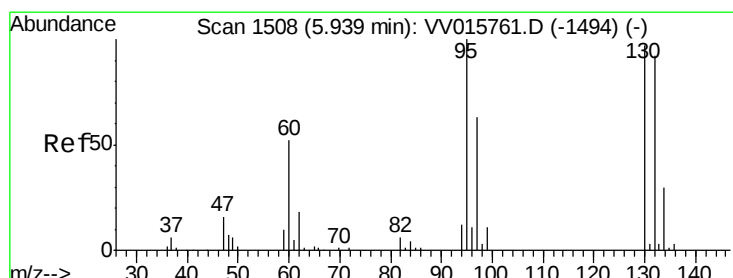
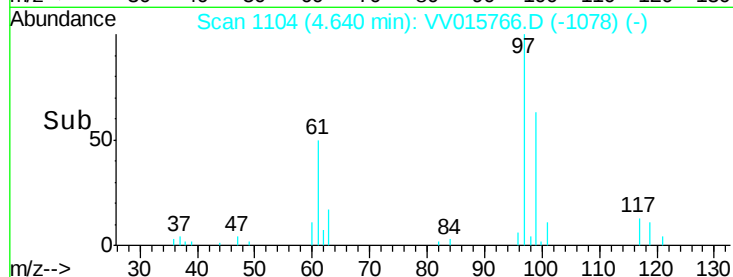
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 41.062 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

Tgt Ion: 95 Resp: 386256

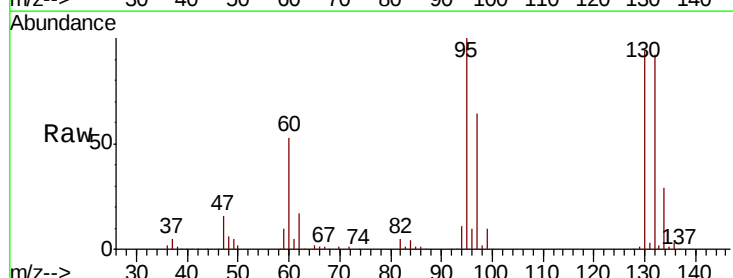
Ion Ratio Lower Upper

95 100

97 64.5 44.7 82.9

132 91.6 65.2 121.0

130 94.1 65.0 120.6



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

300000

250000

200000

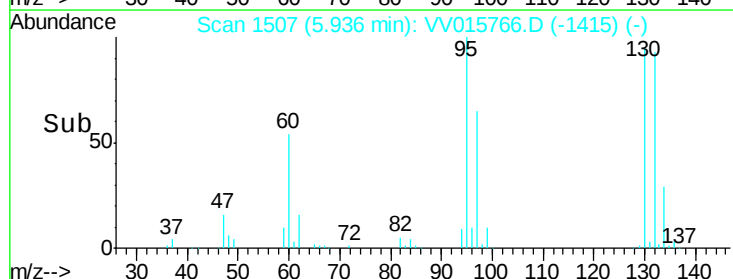
150000

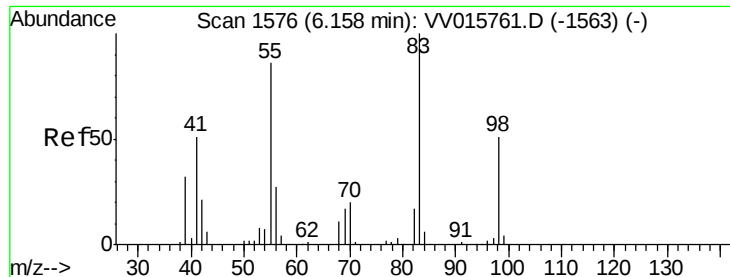
100000

50000

0

Time-->

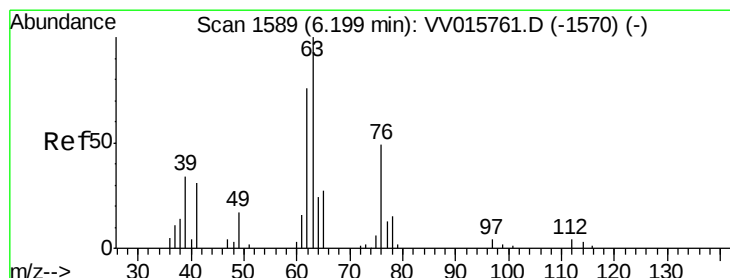
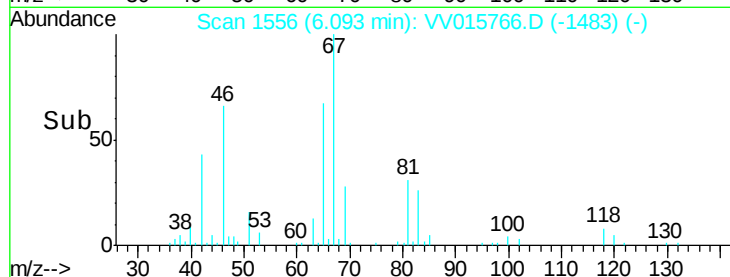
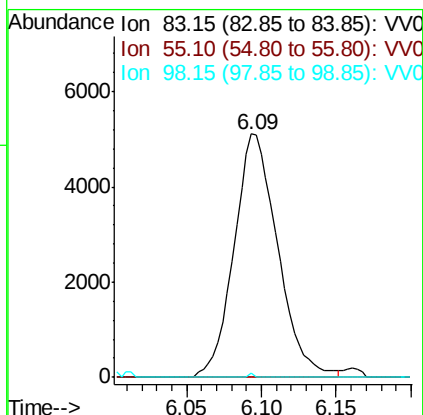
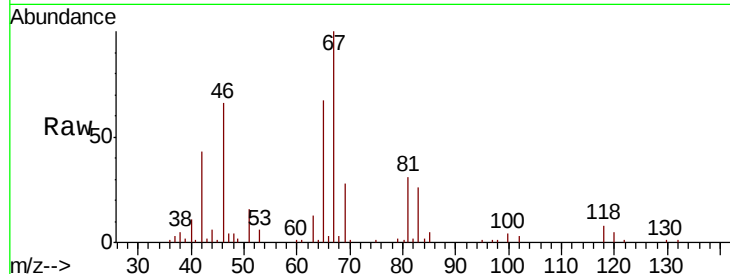




#35
Methvlcvclohexane
Concen: 0.720 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015766.D
Acq: 28 Apr 2020 23:29

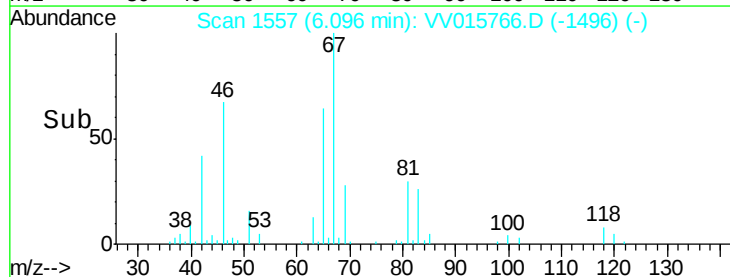
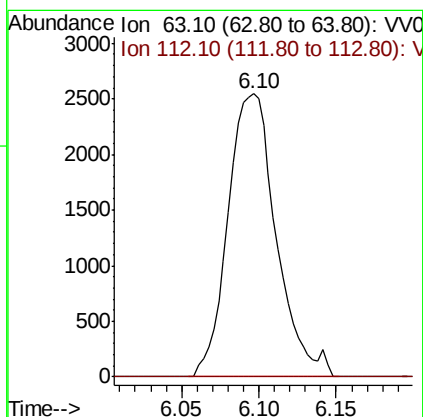
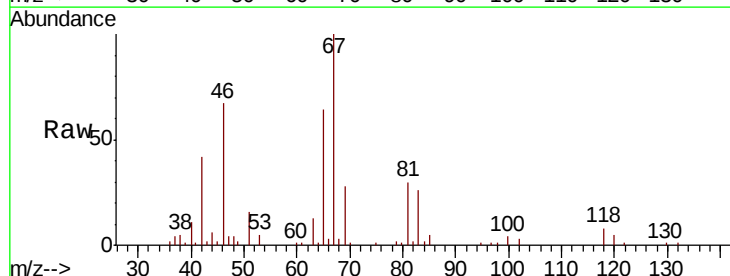
Instrument :
MSVOA_V
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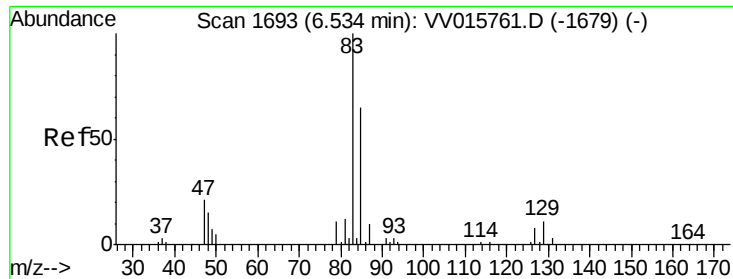
Tot Ion: 83 Resp: 10394
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.638 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015766.D
Acq: 28 Apr 2020 23:29

Tgt Ion: 63 Resp: 5523
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.081 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

Instrument :
MSVOA_V
ClientSampled :

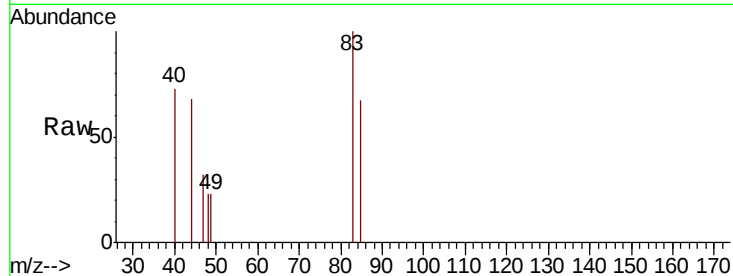
Tot Ion: 83 Resp: 896

Ion Ratio Lower Upper

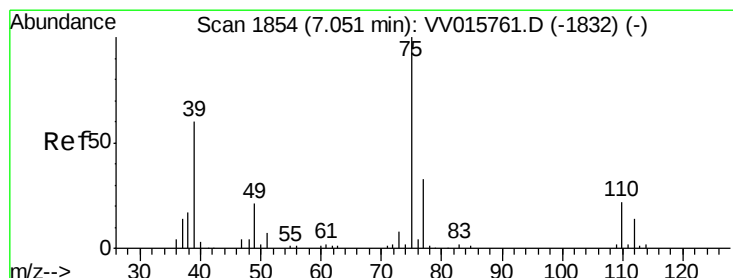
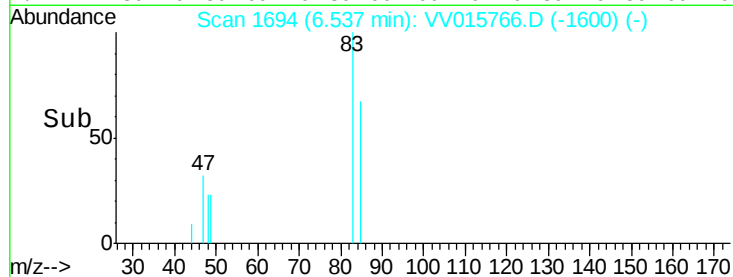
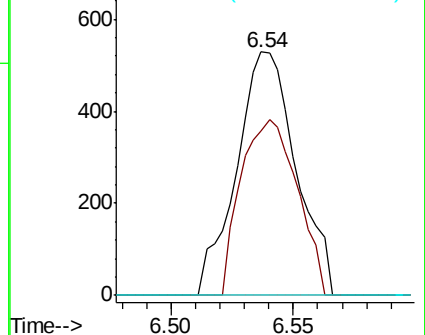
83 100

85 67.5 44.7 83.1

127 0.0 5.8 8.6#



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015766.D

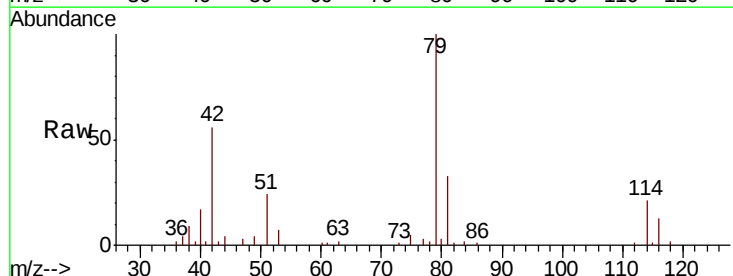
Acq: 28 Apr 2020 23:29

Tgt Ion: 75 Resp: 1108

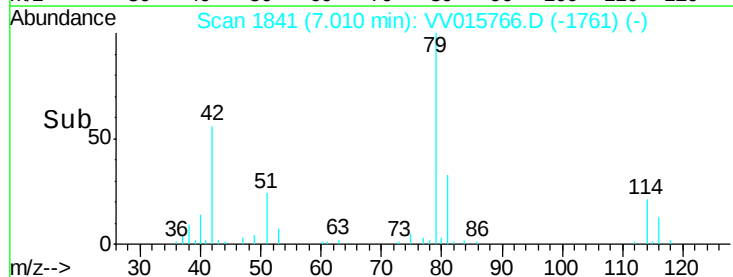
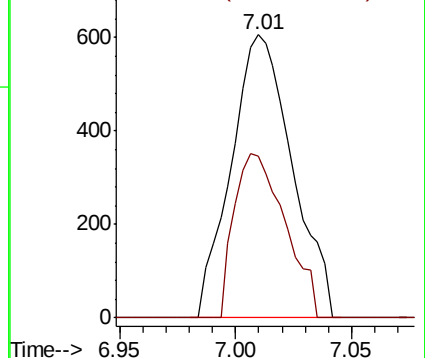
Ion Ratio Lower Upper

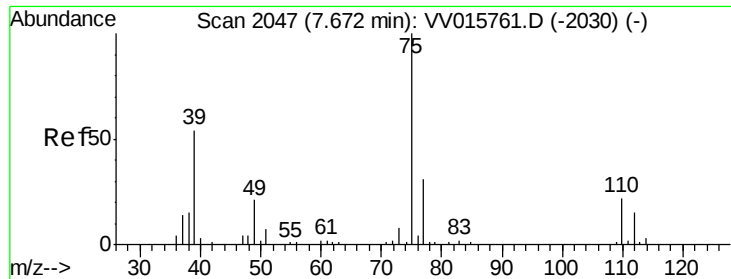
75 100

77 57.1 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

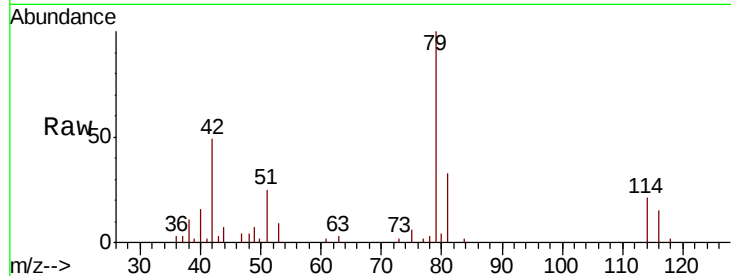
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 772

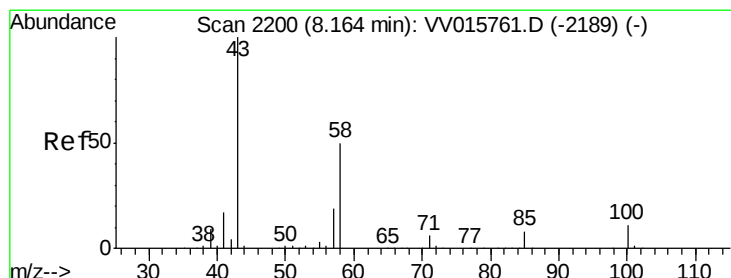
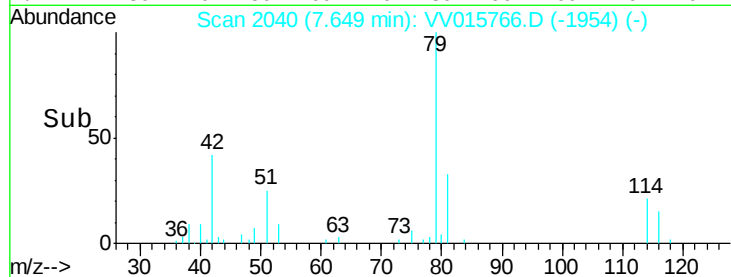
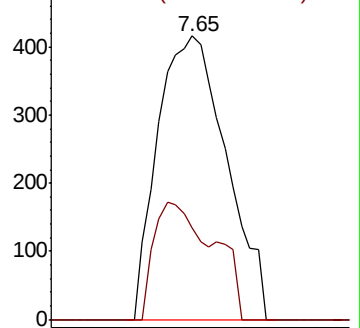
Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0



#48

2-Hexanone

Concen: 1.811 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015766.D

Acq: 28 Apr 2020 23:29

Tgt Ion: 43 Resp: 7255

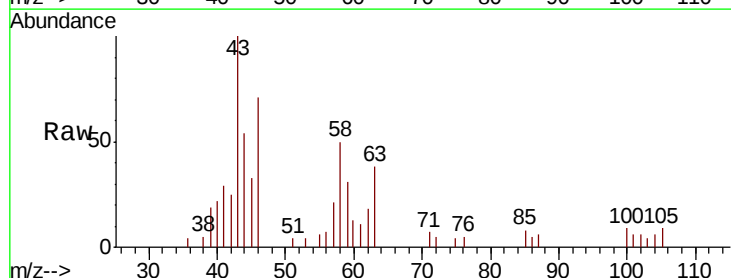
Ion Ratio Lower Upper

43 100

58 33.7 41.1 61.7#

57 19.2 15.0 22.4

100 6.9 9.0 13.4#



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

