

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
 Data File : VV018377.D
 Acq On : 21 Sep 2020 17:53
 Operator : SY/MD
 Sample : L4090-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFWY4

Quant Time: Sep 22 04:37:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 04:28:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	183640	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	185004	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	87655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74550	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.62%
7) Chloroethane-d5	1.58	69	66065	53.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.90%
11) 1,1-Dichloroethene-d2	2.12	63	113118	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
21) 2-Butanone-d5	3.92	46	101962	111.31	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.31%
24) Chloroform-d	4.38	84	147082	56.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.28%
26) 1,2-Dichloroethane-d4	5.06	65	98953	59.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.90%
32) Benzene-d6	5.08	84	295520	55.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.60%
36) 1,2-Dichloropropane-d6	6.09	67	95335	56.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.30%
41) Toluene-d8	7.34	98	256918	53.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.46%
43) trans-1,3-Dichloropropene-	7.64	79	45169	52.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.64%
47) 2-Hexanone-d5	8.11	63	63596	99.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	117757	55.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	110586	61.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.86%#

Target Compounds

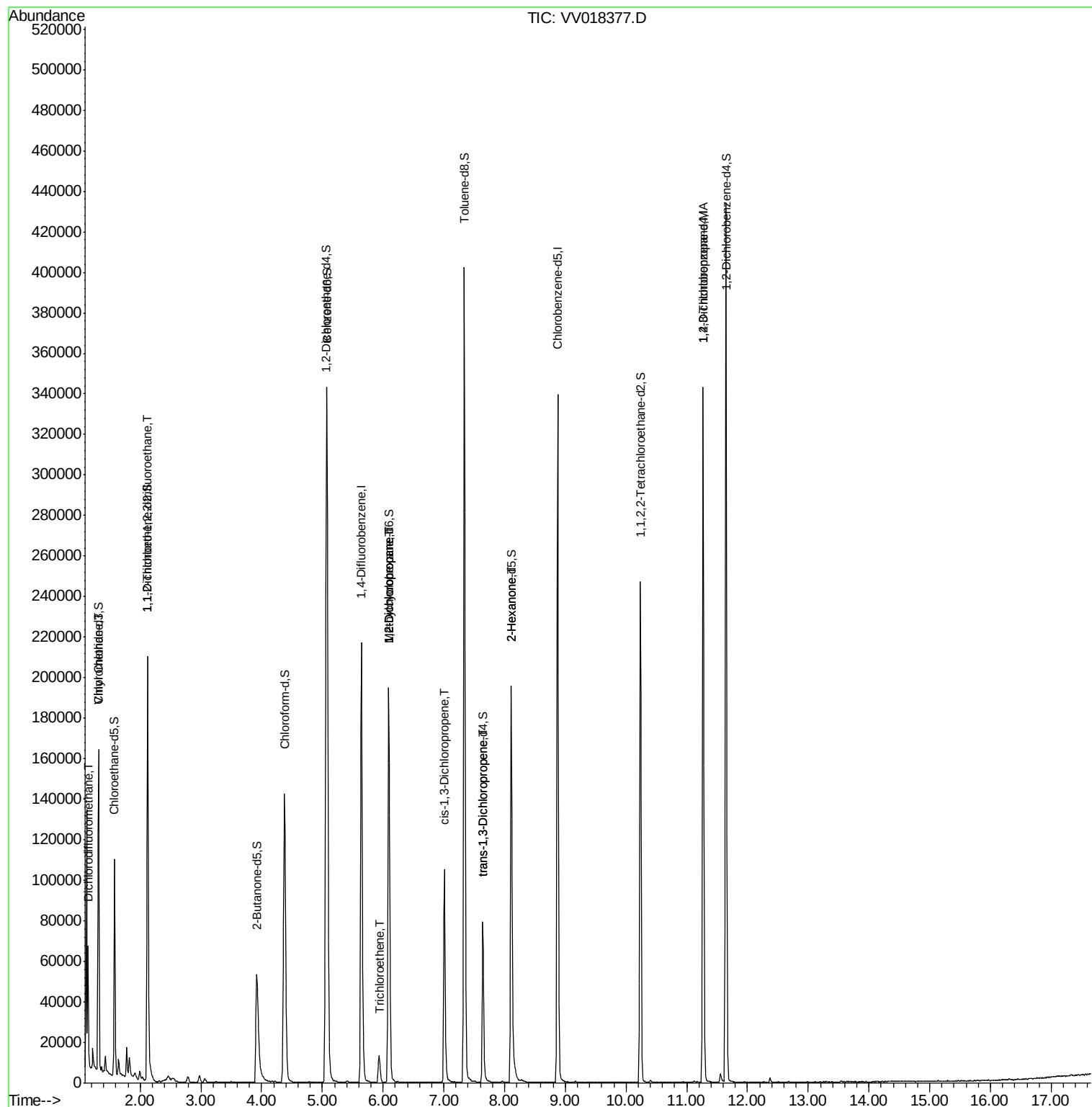
					Ovalue
2) Dichlorodifluoromethane	1.14	85	957	0.715 ug/L	89
3) Chloromethane	1.31	50	1338	0.915 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1003	0.809 ug/L #	19
34) Trichloroethene	5.95	95	1090	0.756 ug/L #	91
35) Methylcyclohexane	6.09	83	22397	10.323 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	10317	7.361 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2395	1.109 ug/L #	54
44) trans-1,3-Dichloropropene	7.64	75	1960	0.932 ug/L	85
48) 2-Hexanone	8.11	43	8068	6.018 ug/L #	74
59) 1,2,3-Trichloropropane	11.27	75	10617	6.440 ug/L	95

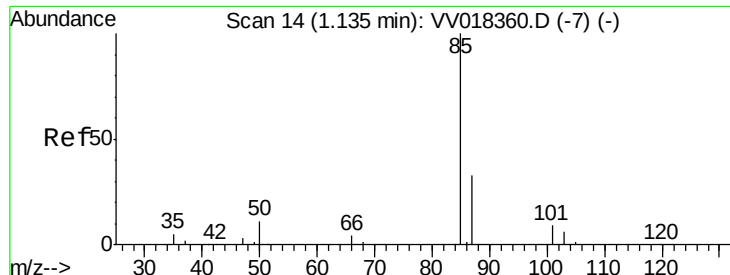
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Sep 22 04:28:24 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.715 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018377.D

Acq: 21 Sep 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

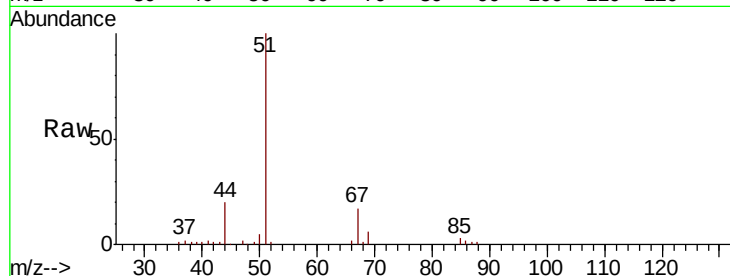
BFWY4

Tot Ion: 85 Resp: 957

Ion Ratio Lower Upper

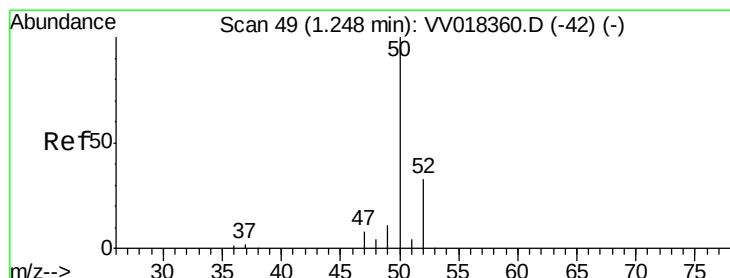
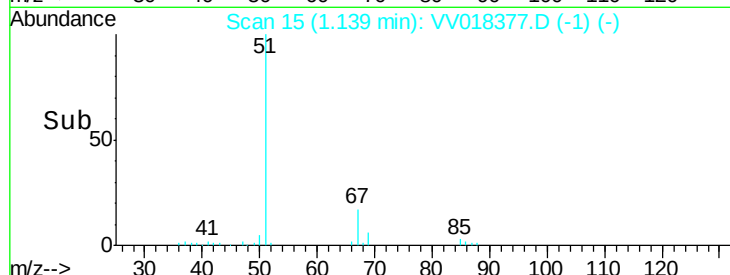
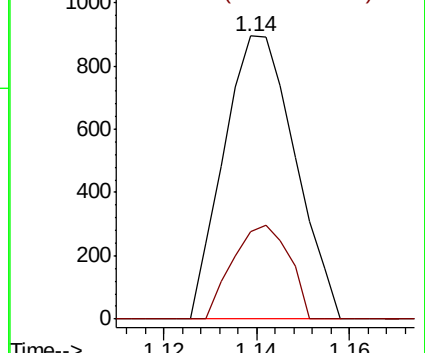
85 100

87 26.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.915 ug/L

RT: 1.31 min Scan# 67

Delta R.T. 0.06 min

Lab File: VV018377.D

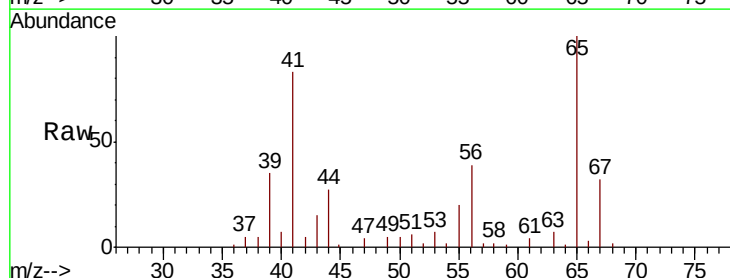
Acq: 21 Sep 2020 17:53

Tgt Ion: 50 Resp: 1338

Ion Ratio Lower Upper

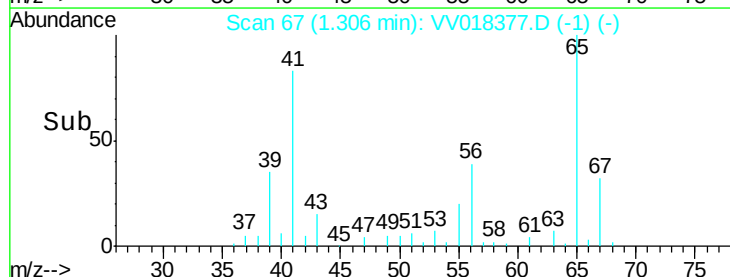
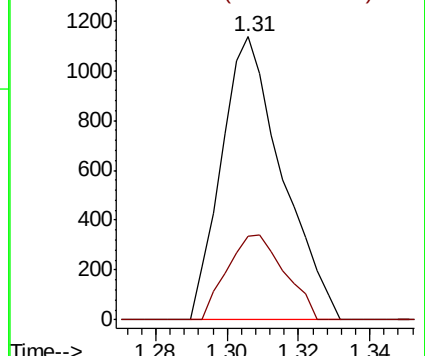
50 100

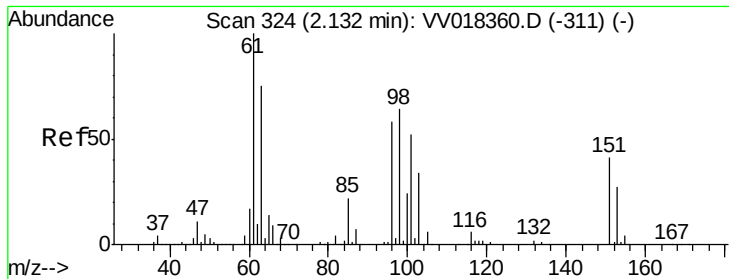
52 29.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#10

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

Concen: 0.809 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018377.D

Acq: 21 Sep 2020 17:53

Instrument :

MSVOA_V

ClientSampled :

BFWY4

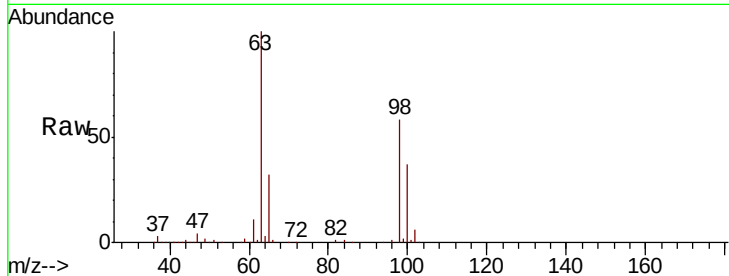
Tot Ion:101 Resp: 1003

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

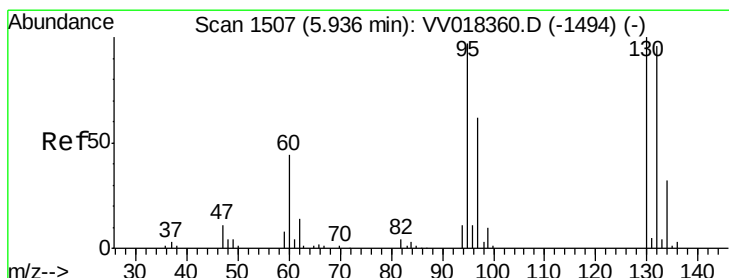
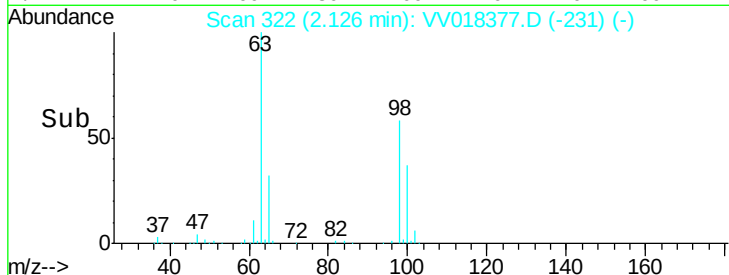
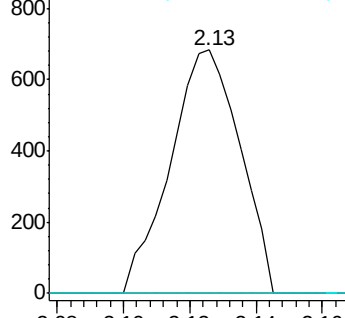
151 0.0 62.2 93.2#



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



#34

Trichloroethene

Concen: 0.756 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV018377.D

Acq: 21 Sep 2020 17:53

Tgt Ion: 95 Resp: 1090

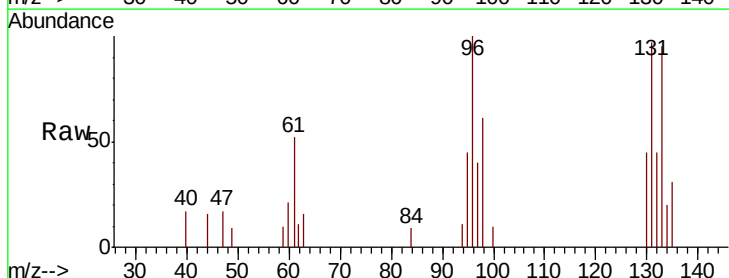
Ion Ratio Lower Upper

95 100

97 88.4 46.3 85.9#

132 99.8 68.1 126.5

130 99.4 71.5 132.9

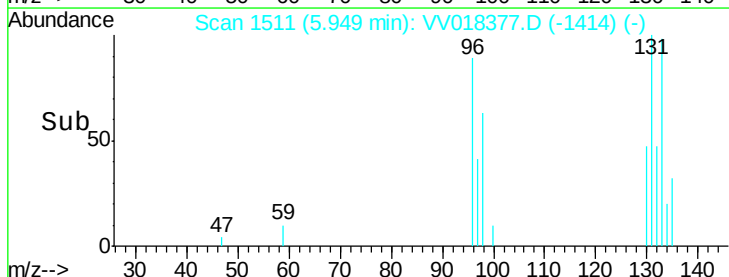
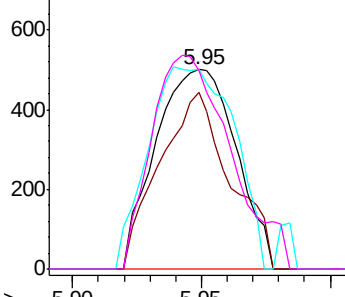


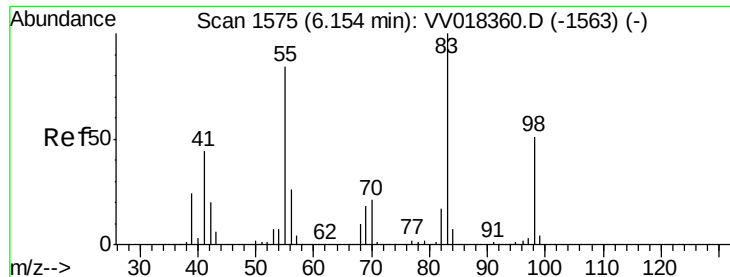
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

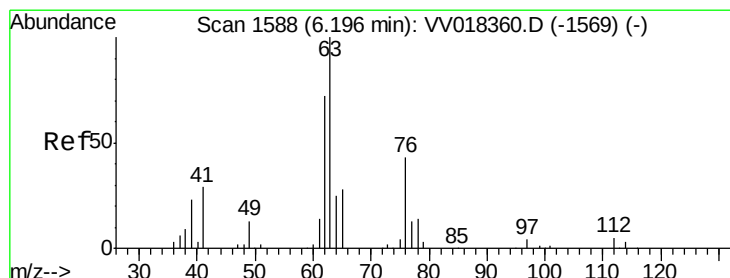
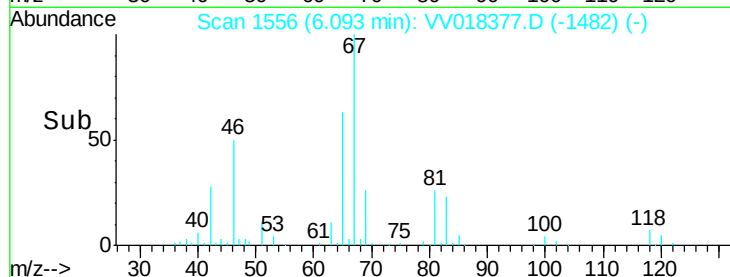
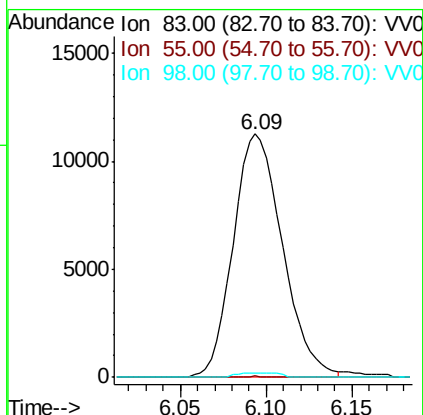
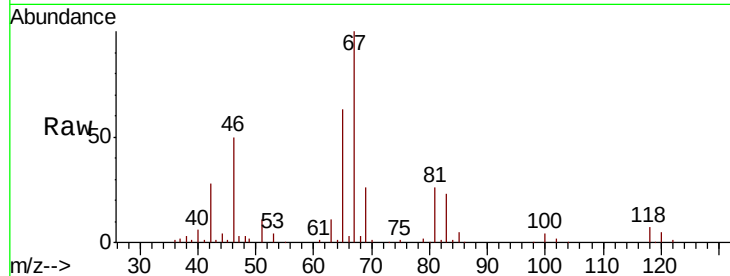




#35
Methylvlcyclohexane
Concen: 10.323 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018377.D
Acq: 21 Sep 2020 17:53

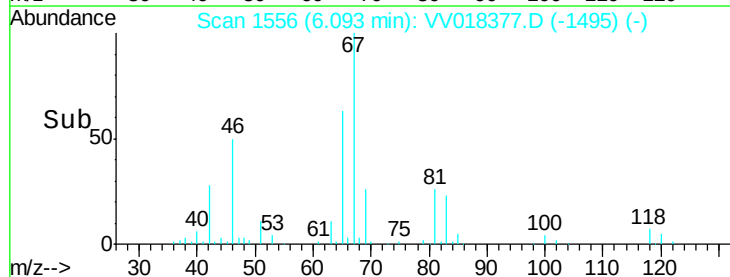
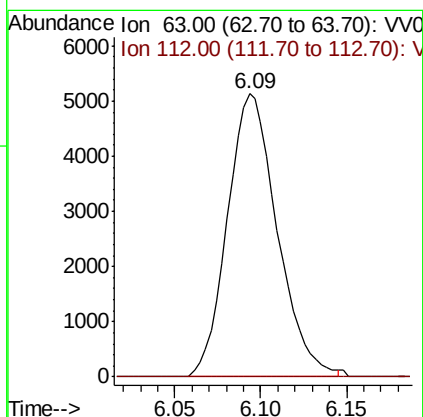
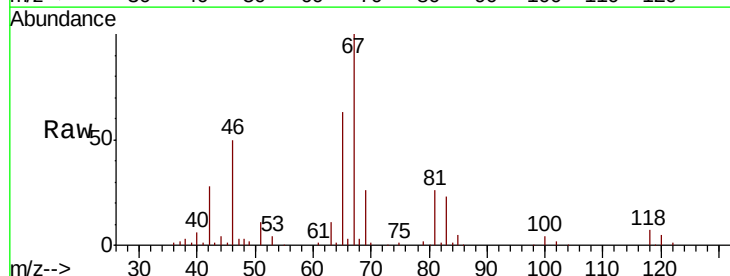
Instrument :
MSVOA_V
ClientSampled :
BFWY4

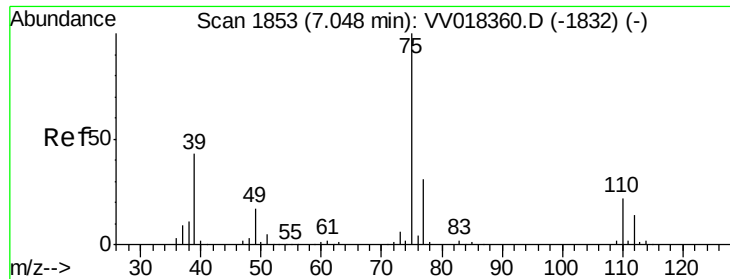
Tot Ion: 83 Resp: 22397
Ion Ratio Lower Upper
83 100
55 0.0 63.4 95.2#
98 1.5 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 7.361 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018377.D
Acq: 21 Sep 2020 17:53

Tgt Ion: 63 Resp: 10317
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#

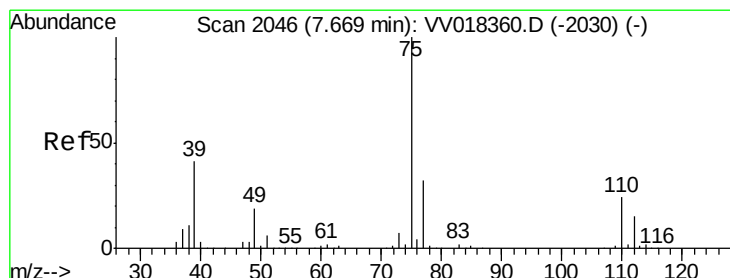
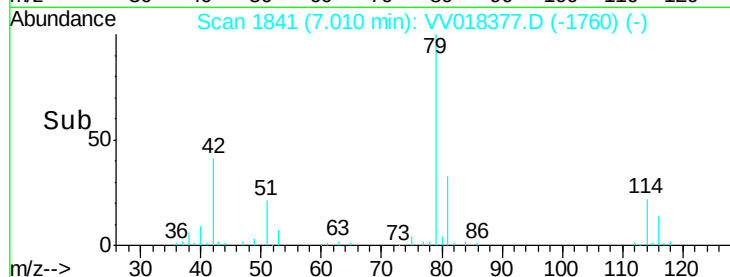
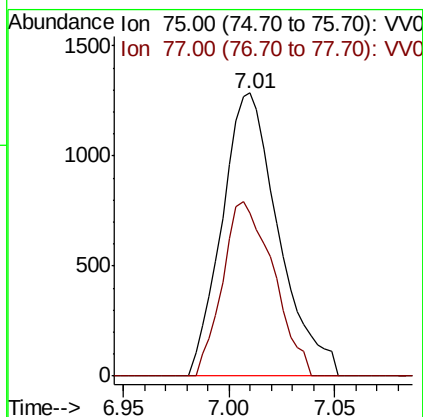
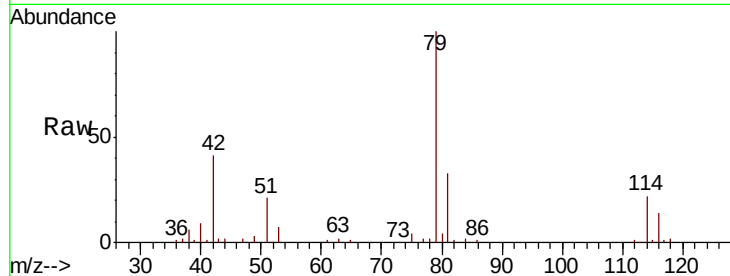




#39
 cis-1,3-Dichloropropene
 Concen: 1.109 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018377.D
 Acq: 21 Sep 2020 17:53

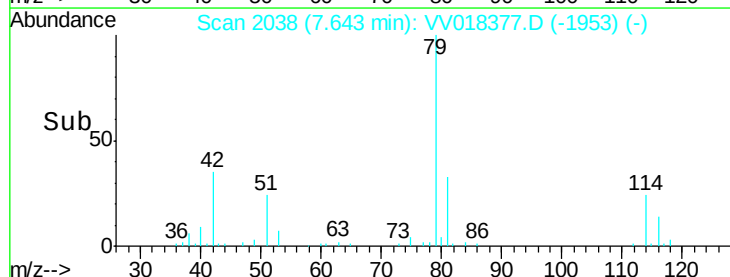
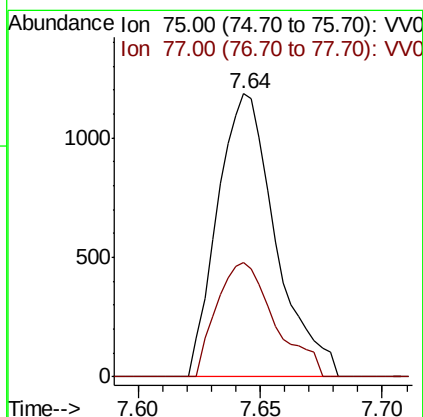
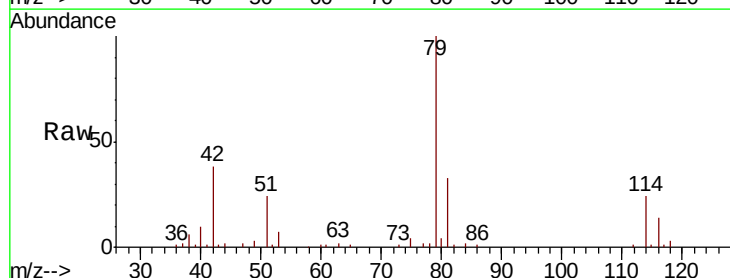
Instrument :
 MSVOA_V
 ClientSampled :
 BFWY4

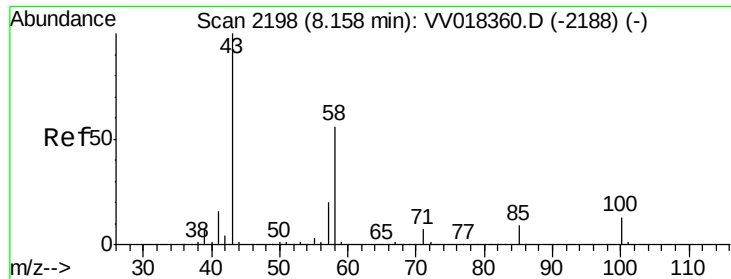
Tot Ion: 75 Resp: 2395
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.932 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV018377.D
 Acq: 21 Sep 2020 17:53

Tgt Ion: 75 Resp: 1960
 Ion Ratio Lower Upper
 75 100
 77 40.4 22.3 41.5

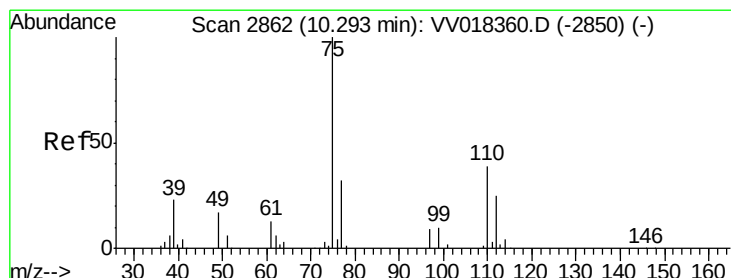
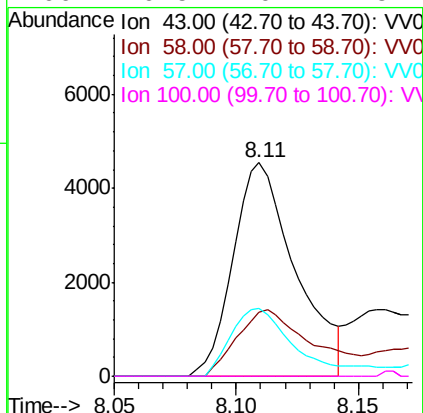
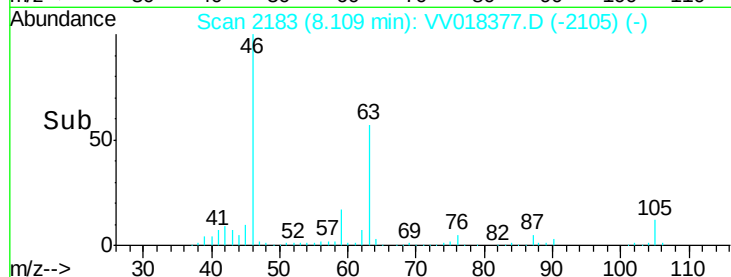
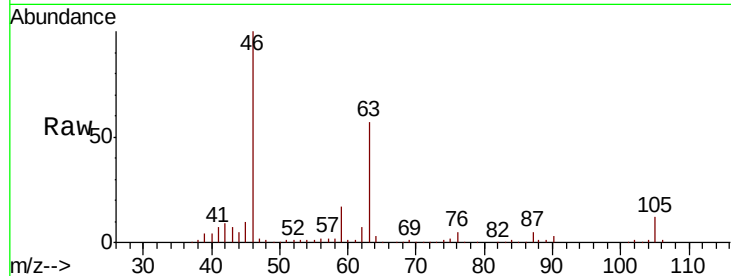




#48
2-Hexanone
Concen: 6.018 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV018377.D
Acq: 21 Sep 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :
BFWY4

Tot Ion: 43 Resp: 8068
Ion Ratio Lower Upper
43 100
58 37.8 44.8 67.2#
57 30.7 15.8 23.6#
100 0.5 10.2 15.4#



#59
1,2,3-Trichloropropane
Concen: 6.440 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018377.D
Acq: 21 Sep 2020 17:53

Tgt Ion: 75 Resp: 10617
Ion Ratio Lower Upper
75 100
77 34.8 25.8 38.6

