

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018117.D
 Acq On : 27 Aug 2020 15:13
 Operator : SY/MD
 Sample : L3800-07ME
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J0ME

Quant Time: Aug 28 06:23:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 06:20:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	253529	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	252091	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	123456	50.00	ug/L	0.00

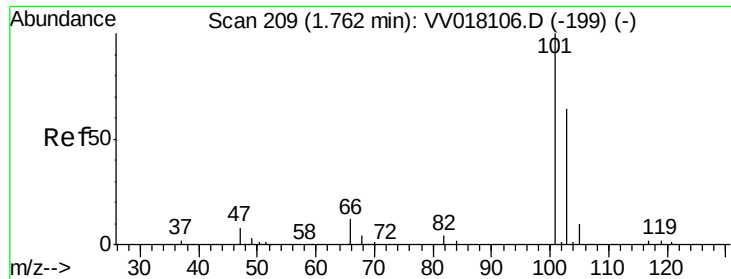
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151654	78.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	156.80%#
7) Chloroethane-d5	1.58	69	134006	84.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	169.36%#
11) 1,1-Dichloroethene-d2	2.12	63	237193	64.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	128.20%#
21) 2-Butanone-d5	3.91	46	230867	182.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	182.22%#
24) Chloroform-d	4.37	84	301697	85.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	171.36%#
26) 1,2-Dichloroethane-d4	5.05	65	210796	92.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	184.34%#
32) Benzene-d6	5.07	84	627424	90.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	180.62%#
36) 1,2-Dichloropropane-d6	6.09	67	205751	90.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	181.18%#
41) Toluene-d8	7.34	98	567499	90.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	181.66%#
43) trans-1,3-Dichloropropene-	7.64	79	97599	94.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	189.48%#
47) 2-Hexanone-d5	8.11	63	133575	183.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	183.26%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	262178	88.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	177.28%#
64) 1,2-Dichlorobenzene-d4	11.65	152	243165	100.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	200.16%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.12	101	2148	0.668	ug/L #	34
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2148	1.195	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1913	1.125	ug/L #	1
16) Methylene chloride	2.52	84	1740	0.803	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	4191	2.182	ug/L	94
25) Chloroform	4.40	83	12953	3.613	ug/L	96
35) Methylcyclohexane	6.09	83	49441	16.128	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	22693	10.669	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	5448	1.807	ug/L #	63
44) trans-1,3-Dichloropropene	7.64	75	4057	1.418	ug/L	87
46) Tetrachloroethene	8.00	164	8322	5.504	ug/L	97
48) 2-Hexanone	8.11	43	16074	7.169	ug/L #	75
49) Dibromochloromethane	8.00	129	7812	4.063	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14130	5.379	ug/L #	88

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



#9

Trichlorofluoromethane

Concen: 0.668 ug/L

RT: 2.12 min Scan# 319

Delta R.T. 0.35 min

Lab File: VV018117.D

Acq: 27 Aug 2020 15:13

Instrument :

MSVOA_V

ClientSampleId :

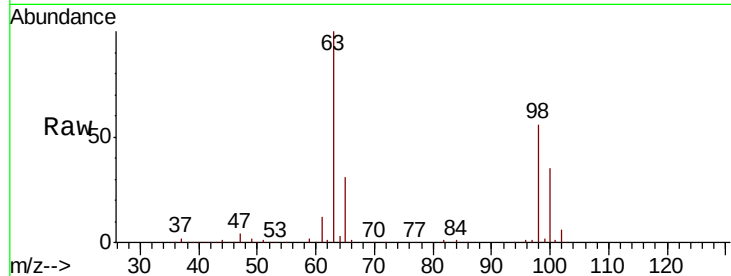
BG3J0ME

Tot Ion:101 Resp: 2148

Ion Ratio Lower Upper

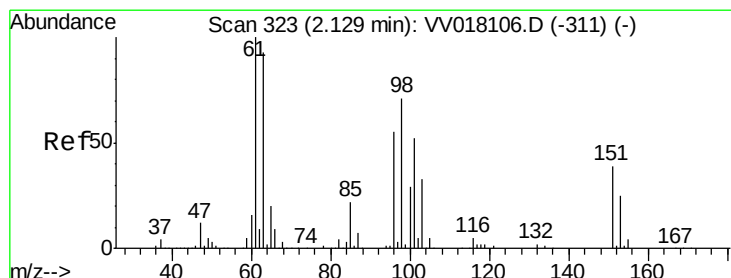
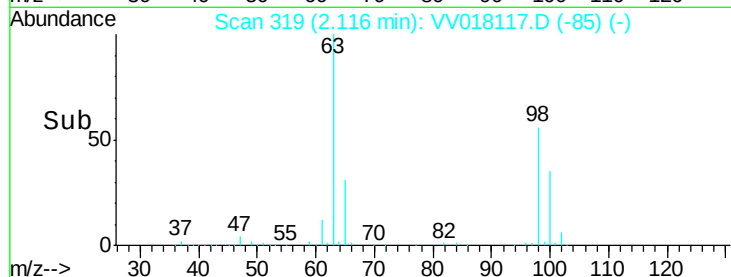
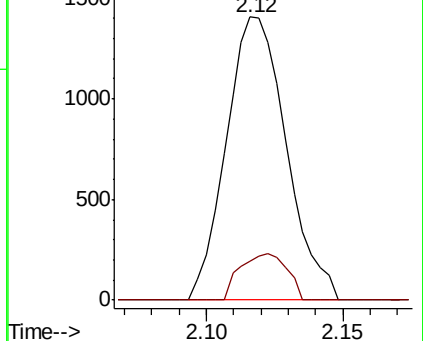
101 100

103 12.8 51.5 77.3#



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: 1.195 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV018117.D

Acq: 27 Aug 2020 15:13

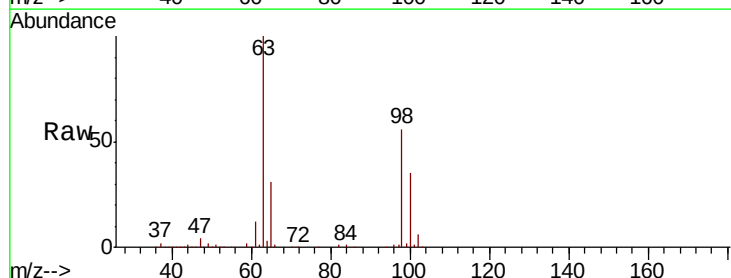
Tgt Ion:101 Resp: 2148

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

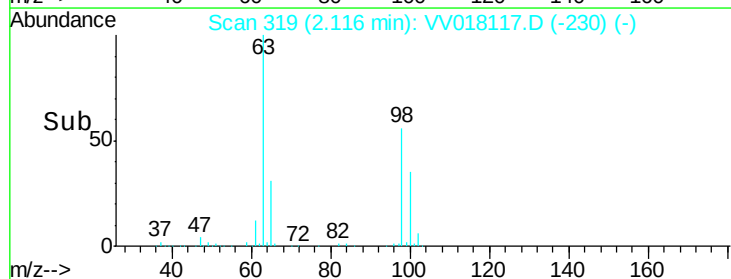
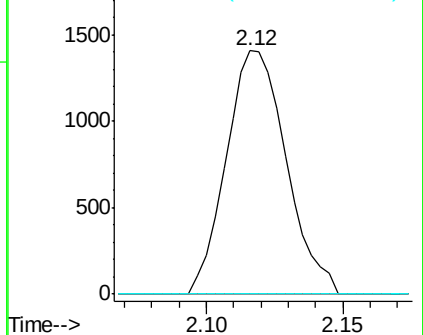
151 0.0 59.1 88.7#

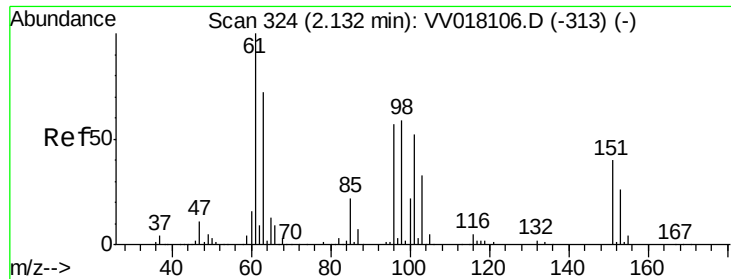


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

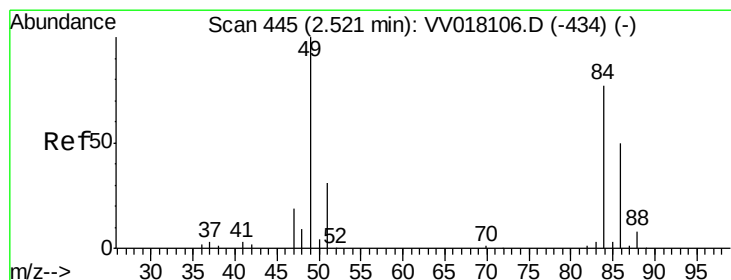
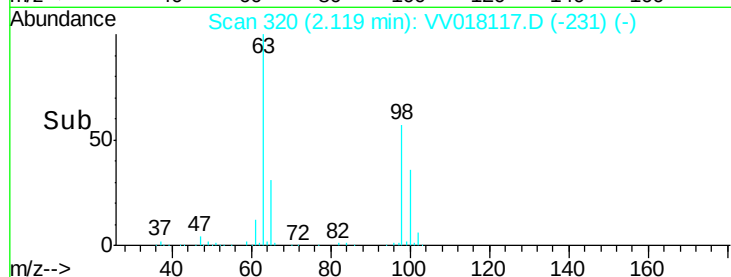
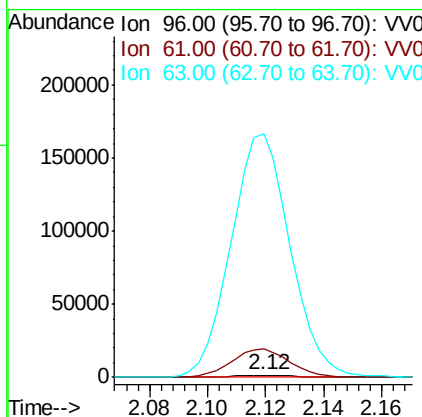
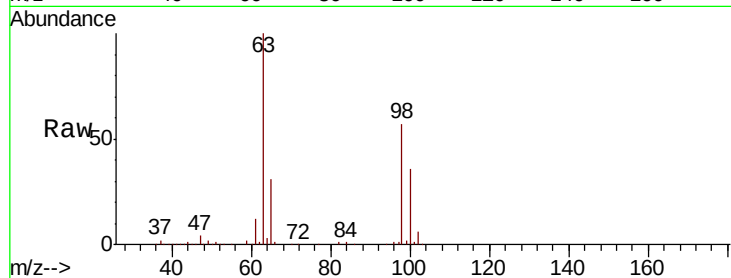




#12
 1,1-Dichloroethene
 Concen: 1.125 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV018117.D
 Acq: 27 Aug 2020 15:13

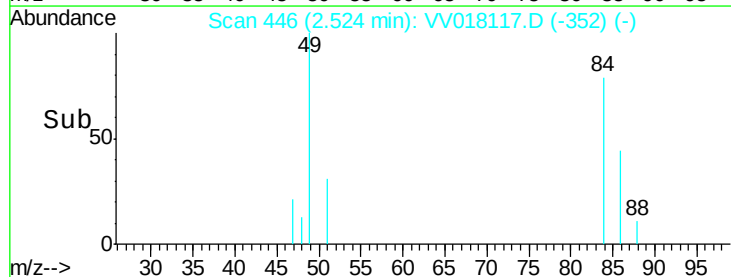
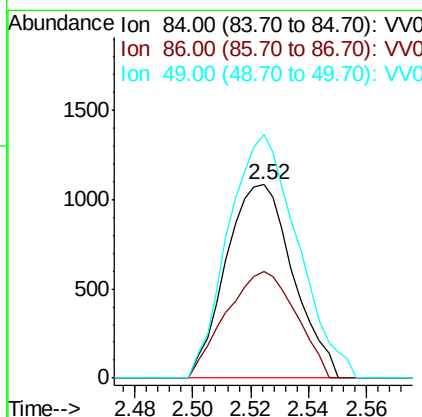
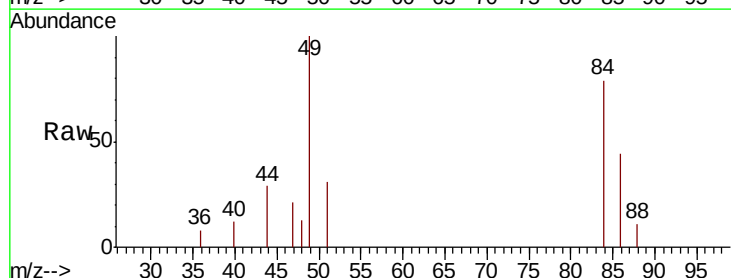
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J0ME

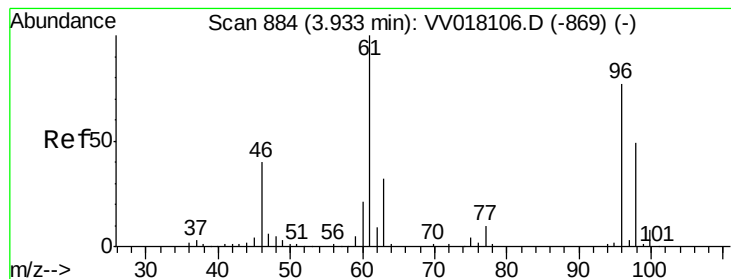
Tot Ion: 96 Resp: 1913
 Ion Ratio Lower Upper
 96 100
 61 1497.0 127.1 236.0#
 63 12999.8 95.2 176.8#



#16
 Methylene chloride
 Concen: 0.803 ug/L
 RT: 2.52 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VV018117.D
 Acq: 27 Aug 2020 15:13

Tgt Ion: 84 Resp: 1740
 Ion Ratio Lower Upper
 84 100
 86 55.0 46.3 85.9
 49 125.8 89.7 166.5



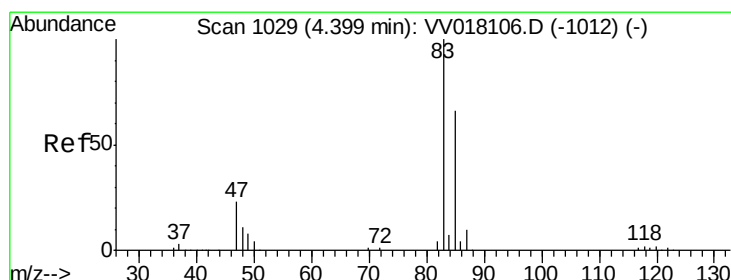
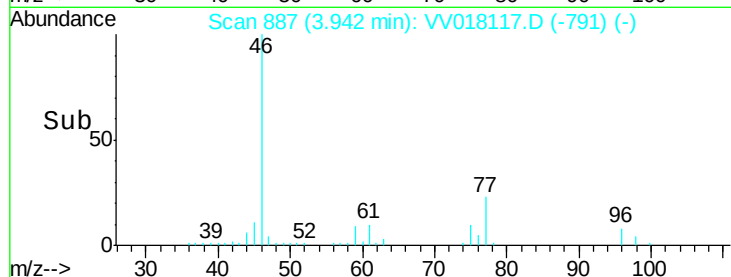
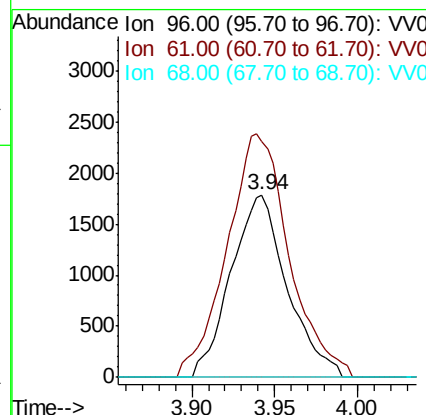
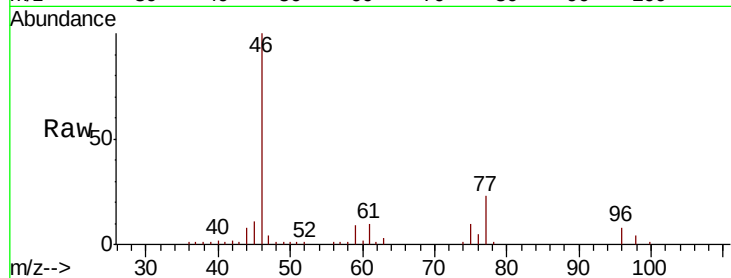


#20

cis-1,2-Dichloroethene
 Concen: 2.182 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018117.D
 Acq: 27 Aug 2020 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J0ME

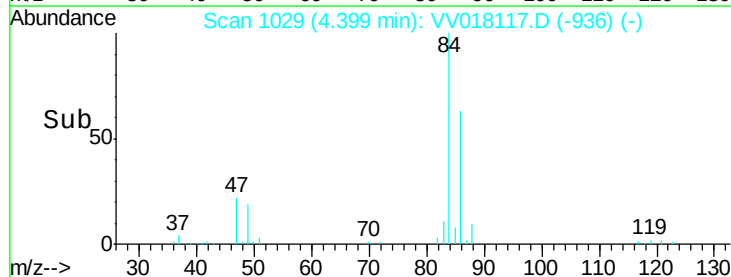
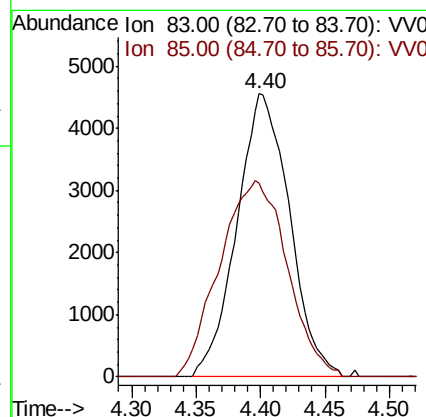
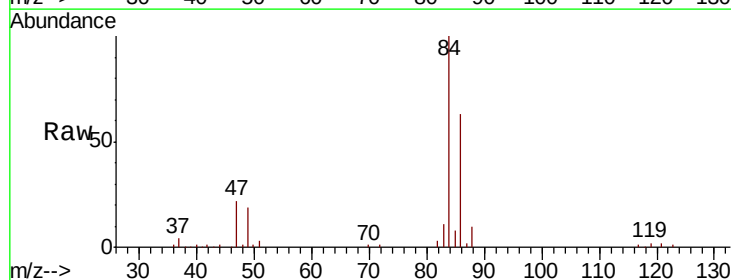
Tot Ion: 96 Resp: 4191
 Ion Ratio Lower Upper
 96 100
 61 128.8 95.0 176.4
 68 0.0 0.0 0.0

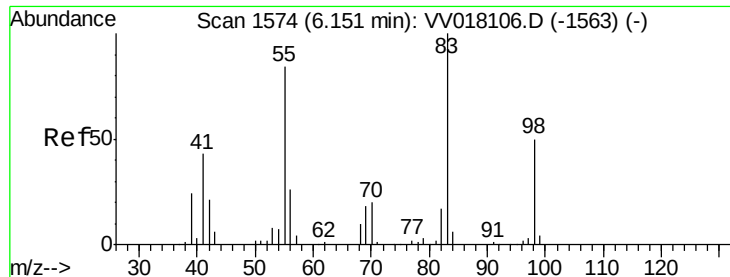


#25

Chloroform
 Concen: 3.613 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV018117.D
 Acq: 27 Aug 2020 15:13

Tgt Ion: 83 Resp: 12953
 Ion Ratio Lower Upper
 83 100
 85 68.3 45.5 84.5

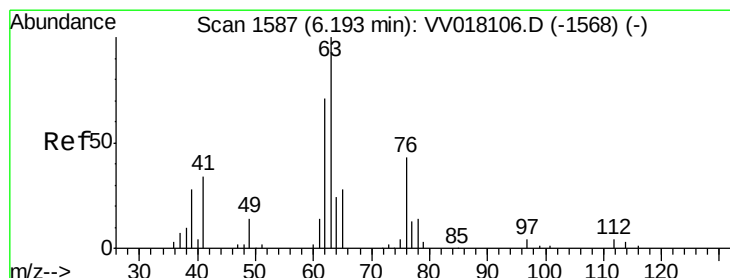
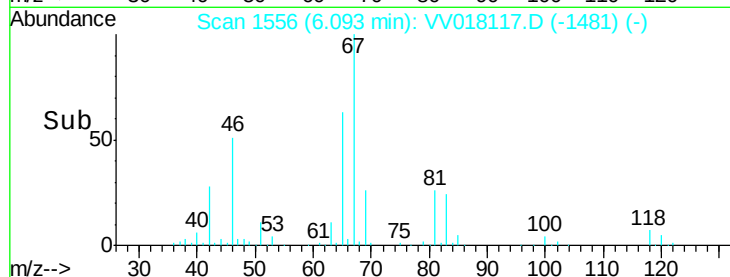
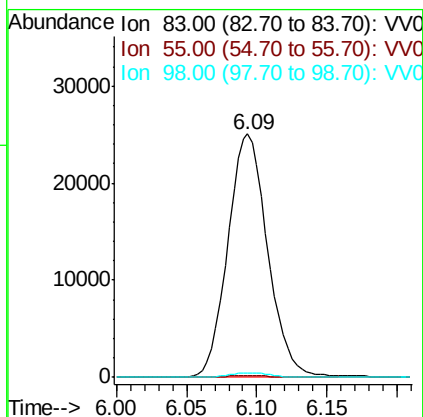
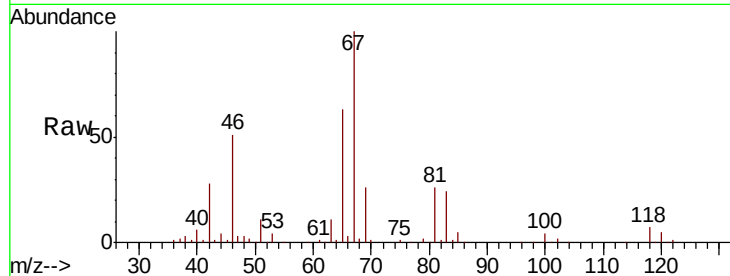




#35
Methvlcvclohexane
Concen: 16.128 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018117.D
Acq: 27 Aug 2020 15:13

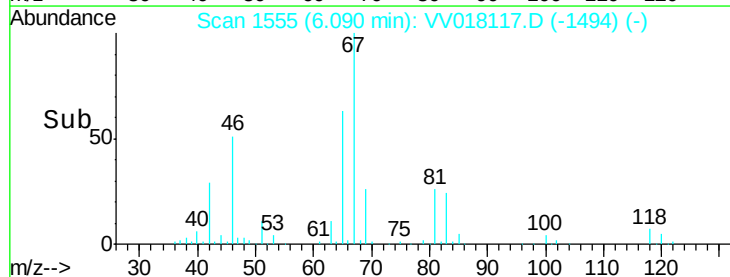
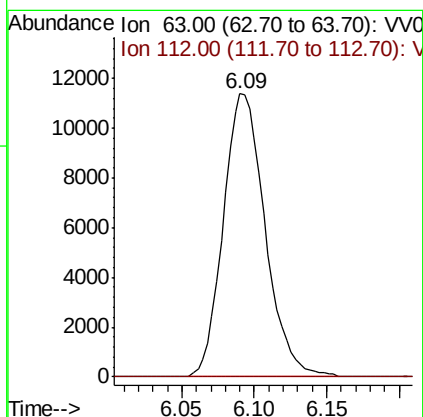
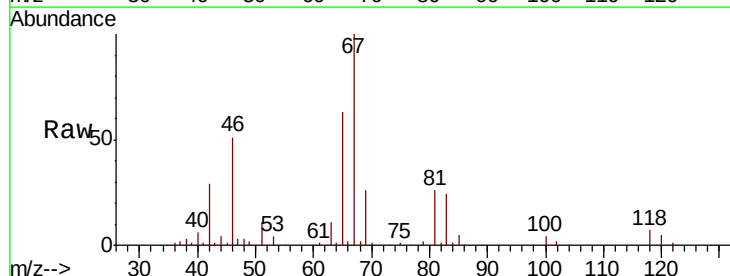
Instrument :
MSVOA_V
ClientSampleId :
BG3J0ME

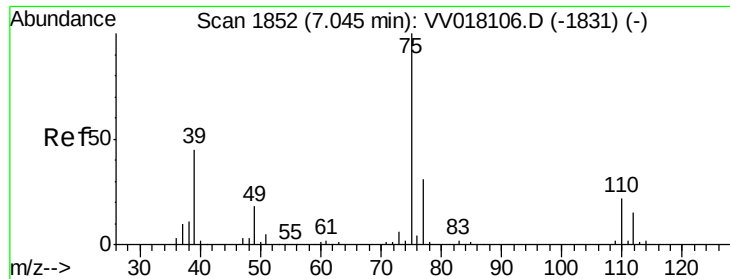
Tot Ion	83.00	Resp	49441
Ion Ratio	Lower	Upper	
83	100		
55	0.2	64.9	97.3#
98	1.7	38.7	58.1#



#37
1,2-Dichloropropane
Concen: 10.669 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.10 min
Lab File: VV018117.D
Acq: 27 Aug 2020 15:13

Tgt Ion	63.00	Resp	22693
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.5	5.3#

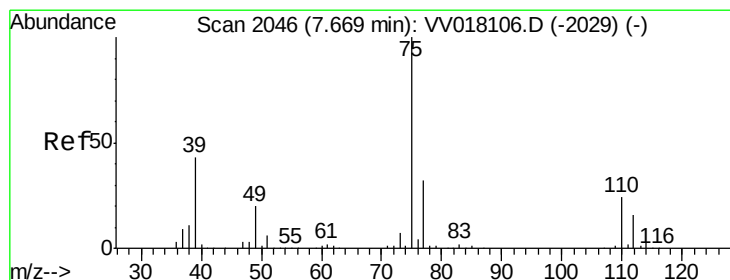
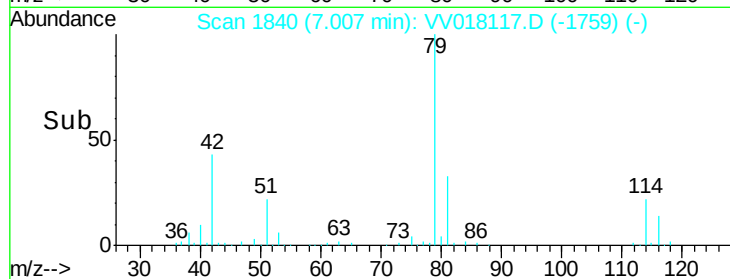
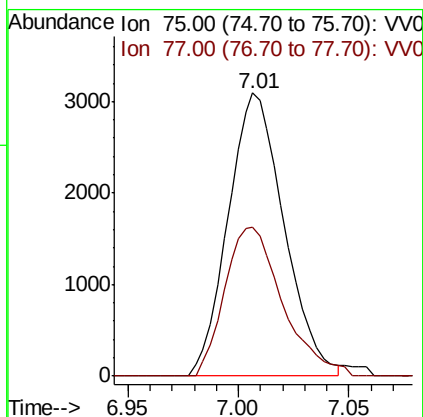
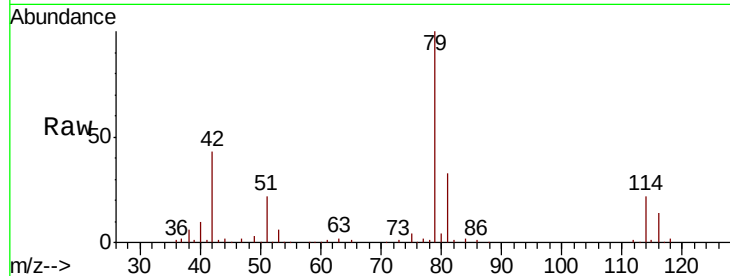




#39
 cis-1,3-Dichloropropene
 Concen: 1.807 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018117.D
 Acq: 27 Aug 2020 15:13

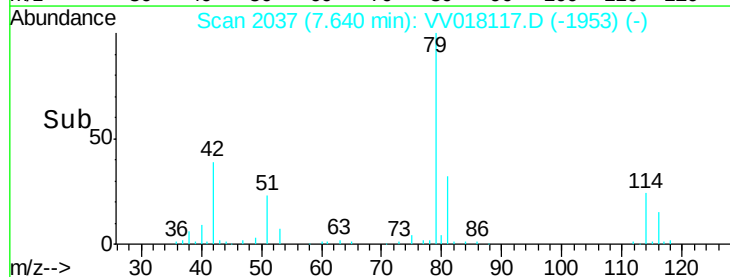
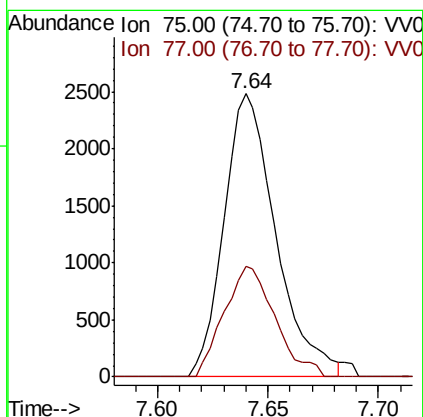
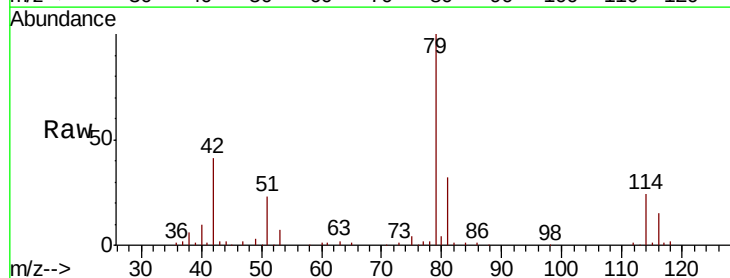
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J0ME

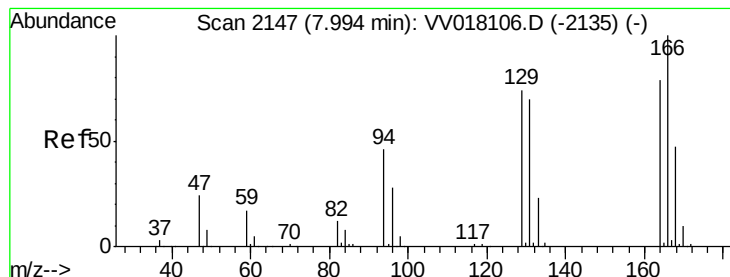
Tot Ion: 75 Resp: 5448
 Ion Ratio Lower Upper
 75 100
 77 52.7 22.3 41.5#



#44
 trans-1,3-Dichloropropene
 Concen: 1.418 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. -0.03 min
 Lab File: VV018117.D
 Acq: 27 Aug 2020 15:13

Tgt Ion: 75 Resp: 4057
 Ion Ratio Lower Upper
 75 100
 77 39.0 22.3 41.5





#46

Tetrachloroethene

Concen: 5.504 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018117.D

Acq: 27 Aug 2020 15:13

Instrument :

MSVOA_V

ClientSampleId :

BG3J0ME

Tot Ion:164 Resp: 8322

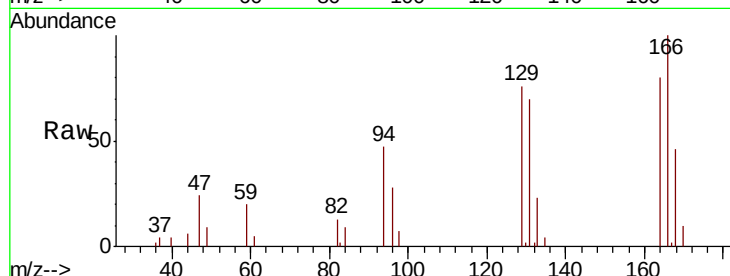
Ion Ratio Lower Upper

164 100

129 94.7 64.8 120.3

131 88.2 64.5 119.9

166 125.2 88.9 165.1

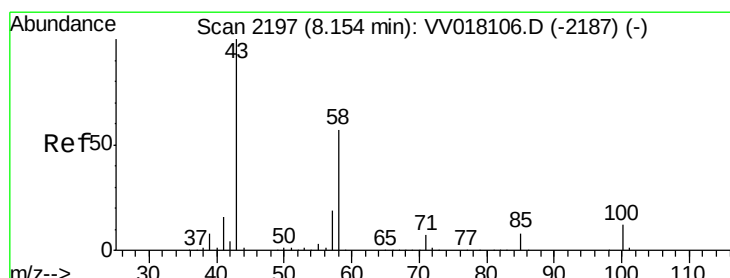
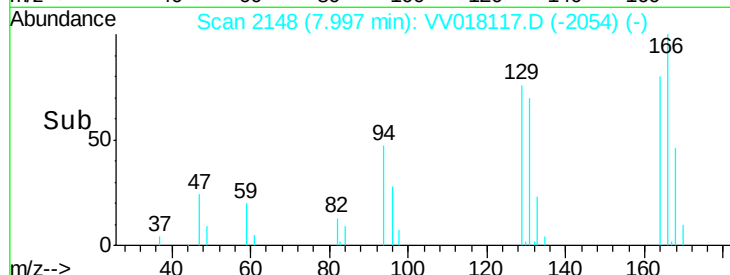
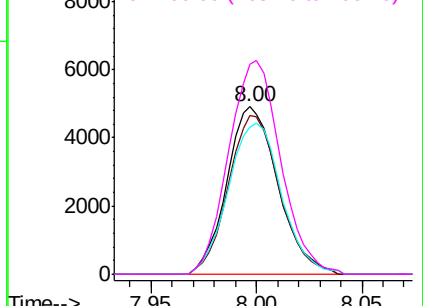


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 7.169 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV018117.D

Acq: 27 Aug 2020 15:13

Tgt Ion: 43 Resp: 16074

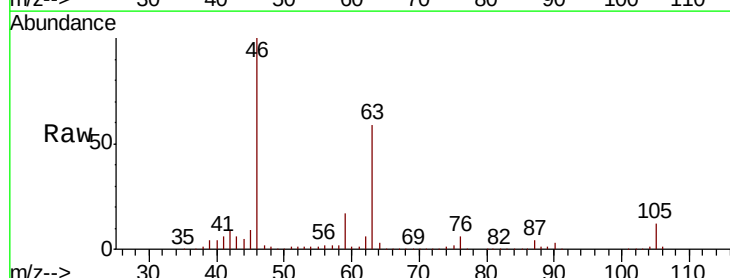
Ion Ratio Lower Upper

43 100

58 37.8 44.4 66.6#

57 28.8 15.2 22.8#

100 0.6 9.8 14.6#

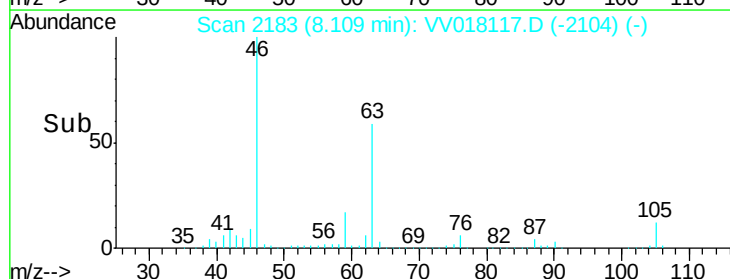
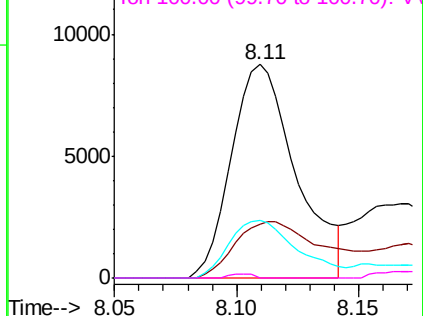


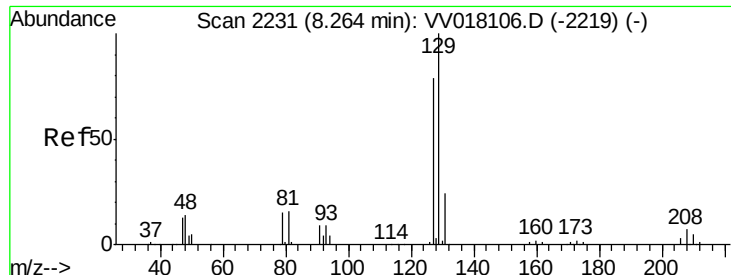
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.063 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018117.D

Acq: 27 Aug 2020 15:13

Instrument :

MSVOA_V

ClientSampleId :

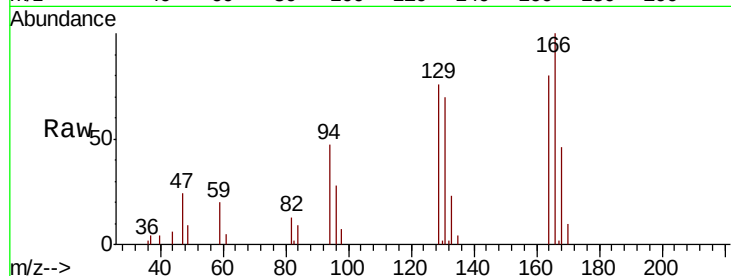
BG3J0ME

Tot Ion:129 Resp: 7812

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.00

5000

4000

3000

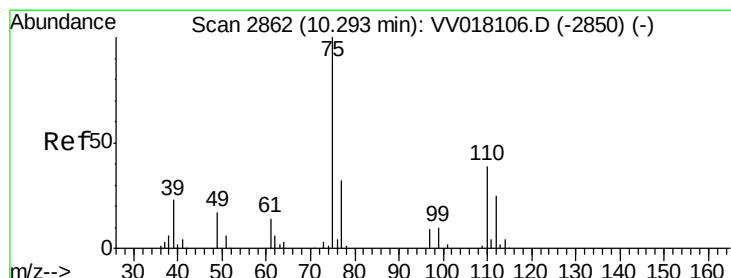
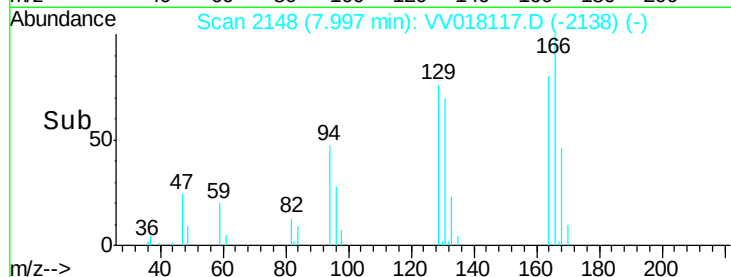
2000

1000

0

Time-->

7.95 8.00 8.05



#59

1,2,3-Trichloropropane

Concen: 5.379 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018117.D

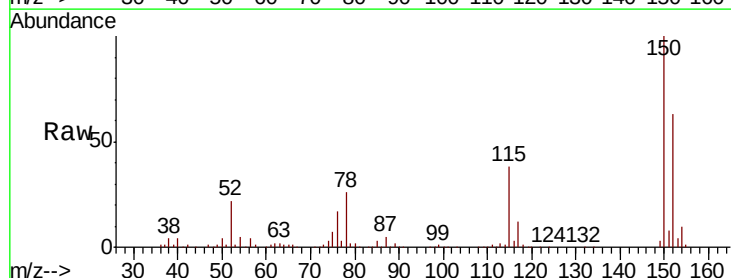
Acq: 27 Aug 2020 15:13

Tgt Ion: 75 Resp: 14130

Ion Ratio Lower Upper

75 100

77 38.6 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.27

10000

8000

6000

4000

2000

0

Time-->

11.25 11.30

