

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018119.D
 Acq On : 27 Aug 2020 16:23
 Operator : SY/MD
 Sample : L3800-07ME
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J0ME

Quant Time: Aug 28 06:24:03 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	303674	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	300875	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	148991	50.00	ug/L	0.00

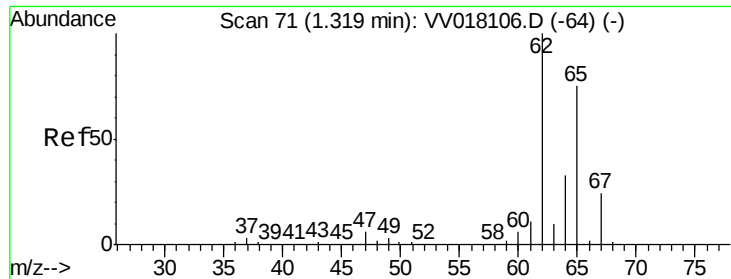
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	86551	37.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.70%
7) Chloroethane-d5	1.58	69	71343	37.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.28%
11) 1,1-Dichloroethene-d2	2.10	63	135885	30.66	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.32%
21) 2-Butanone-d5	3.93	46	126462	83.33	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.33%
24) Chloroform-d	4.37	84	178994	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
26) 1,2-Dichloroethane-d4	5.05	65	122883	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.72%
32) Benzene-d6	5.07	84	362254	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.38%
36) 1,2-Dichloropropane-d6	6.09	67	119502	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.16%
41) Toluene-d8	7.34	98	328831	44.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.64	79	56632	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.12%
47) 2-Hexanone-d5	8.14	63	72619	83.48	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.48%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	145539	41.23	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	135277	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2245	0.832	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	1558	0.724	ug/L #	28
16) Methylene chloride	2.51	84	2176	0.838	ug/L	94
20) cis-1,2-Dichloroethene	3.93	96	30572	13.286	ug/L	98
25) Chloroform	4.40	83	3220	0.750	ug/L	75
34) Trichloroethene	5.94	95	5377	2.185	ug/L	92
35) Methylcyclohexane	6.09	83	29624	8.097	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	2988	0.830	ug/L #	70
46) Tetrachloroethene	8.00	164	65713	36.416	ug/L	98
48) 2-Hexanone	8.14	43	13577	5.074	ug/L #	65
49) Dibromochloromethane	7.99	129	59184	25.792	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	17608	5.616	ug/L	90
67) 1,3,5-Trichlorobenzene	13.29	180	1604	0.446	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1696	0.527	ug/L #	85

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



#5

Vinyl chloride

Concen: 0.832 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV018119.D

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Instrument :

MSVOA_V

ClientSampleId :

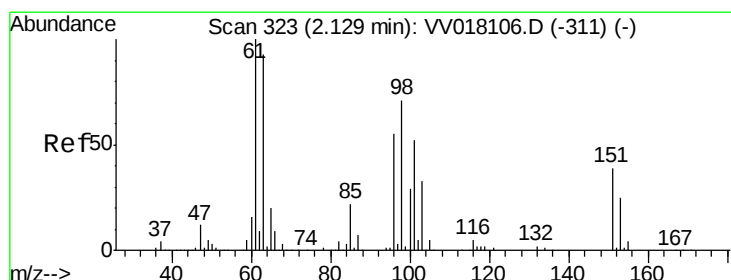
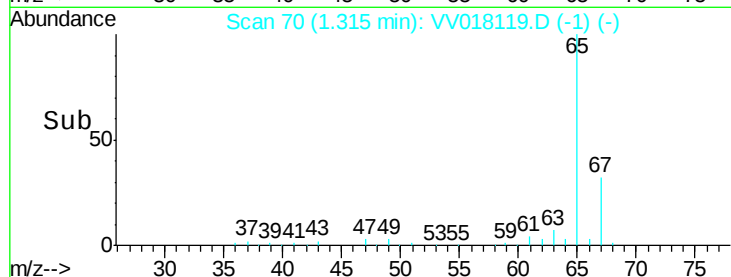
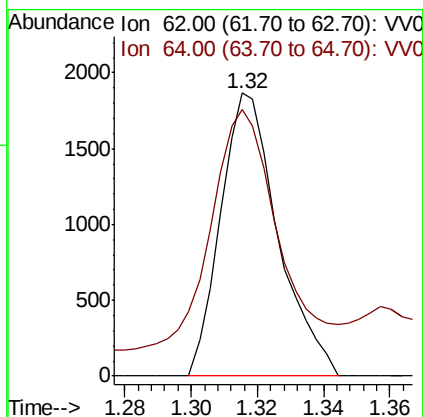
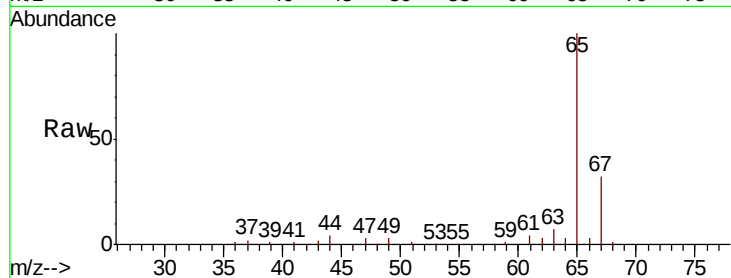
BG3J0ME

Tot Ion: 62 Resp: 2245

Ion Ratio Lower Upper

62 100

64 94.1 22.4 41.6#



#10

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

Concen: 0.724 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.03 min

Lab File: VV018119.D

Acq: 27 Aug 2020 16:23

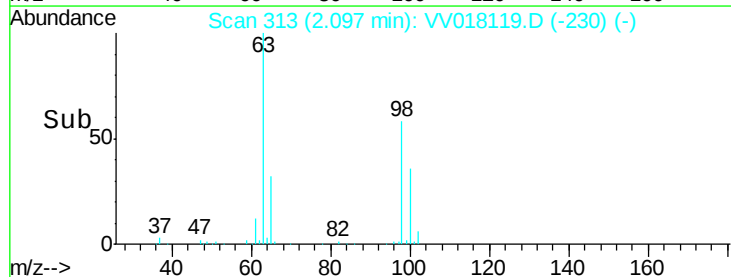
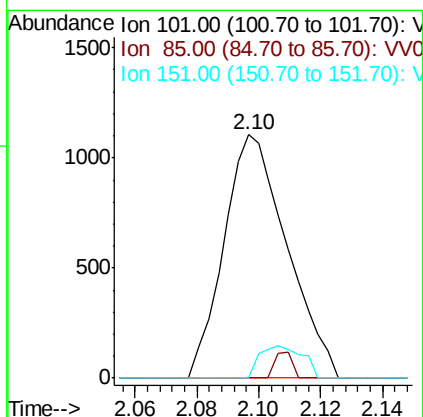
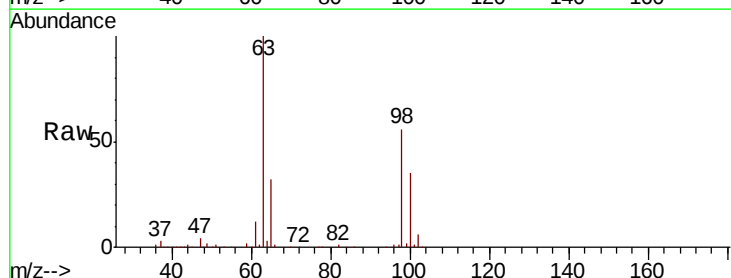
Tgt Ion: 101 Resp: 1558

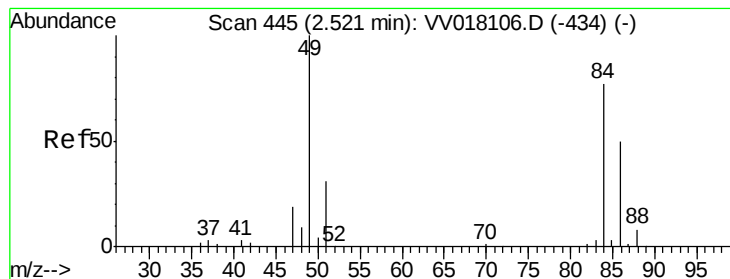
Ion Ratio Lower Upper

101 100

85 2.9 34.9 52.3#

151 9.1 59.1 88.7#





#16

Methylene chloride

Concen: 0.838 ug/L

RT: 2.51 min Scan# 443

Delta R.T. -0.01 min

Lab File: VV018119.D

Acq: 27 Aug 2020 16:23

Instrument :

MSVOA_V

ClientSampleId :

BG3J0ME

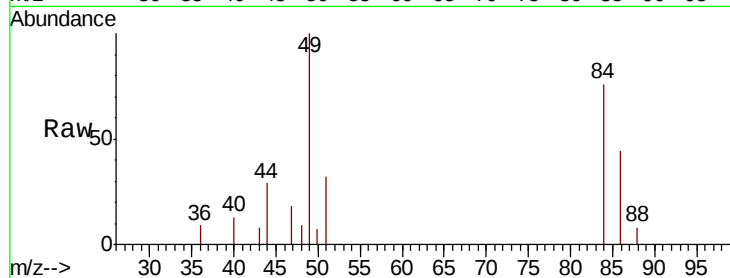
Tot Ion: 84 Resp: 2176

Ion Ratio Lower Upper

84 100

86 57.5 46.3 85.9

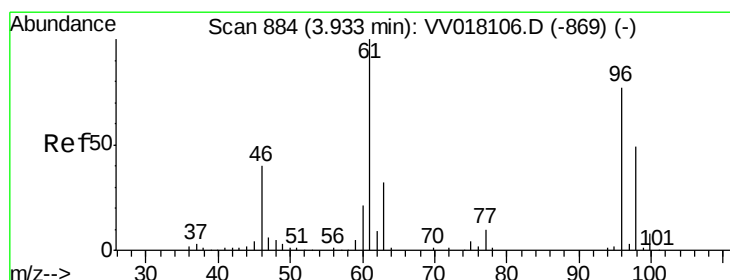
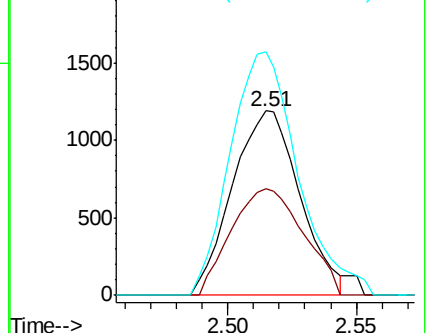
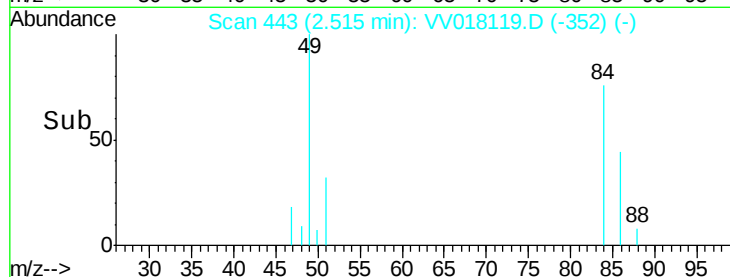
49 131.9 89.7 166.5



Abundance Ion 84.00 (83.70 to 84.70): VV018119.D (-352) (-)

Ion 86.00 (85.70 to 86.70): VV018119.D (-352) (-)

Ion 49.00 (48.70 to 49.70): VV018119.D (-352) (-)



#20

cis-1,2-Dichloroethene

Concen: 13.286 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018119.D

Acq: 27 Aug 2020 16:23

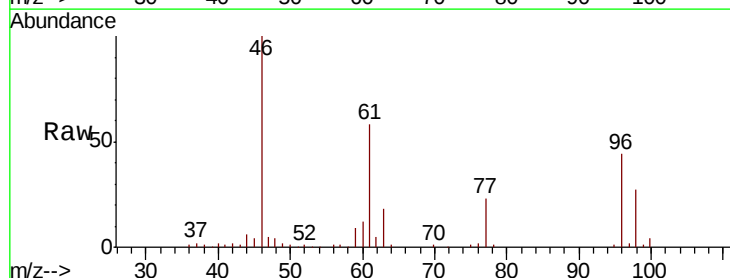
Tgt Ion: 96 Resp: 30572

Ion Ratio Lower Upper

96 100

61 133.0 95.0 176.4

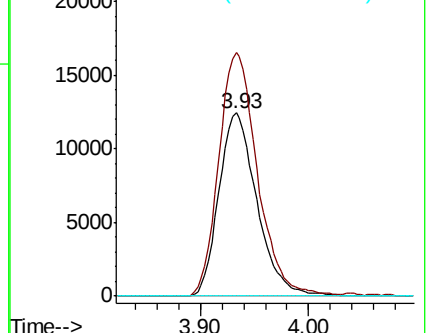
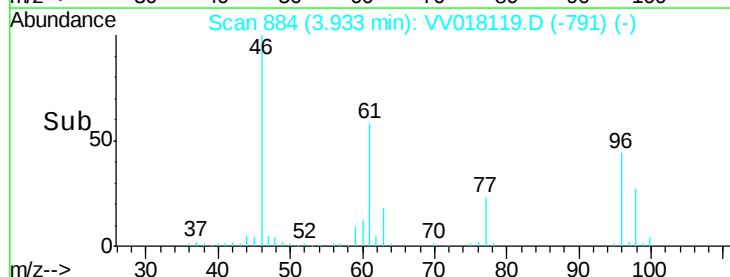
68 0.0 0.0 0.0

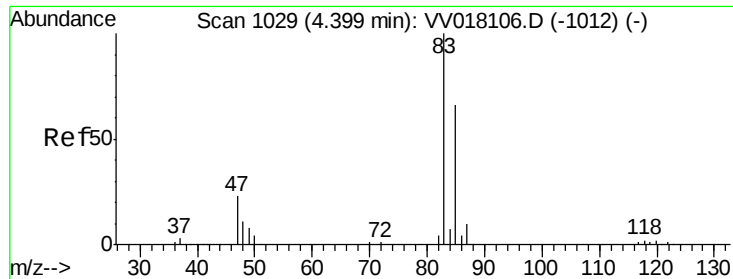


Abundance Ion 96.00 (95.70 to 96.70): VV018119.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV018119.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV018119.D (-791) (-)

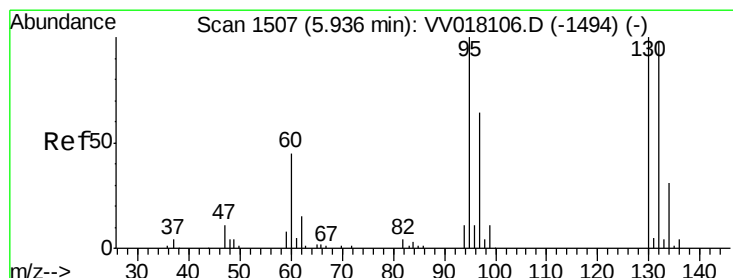
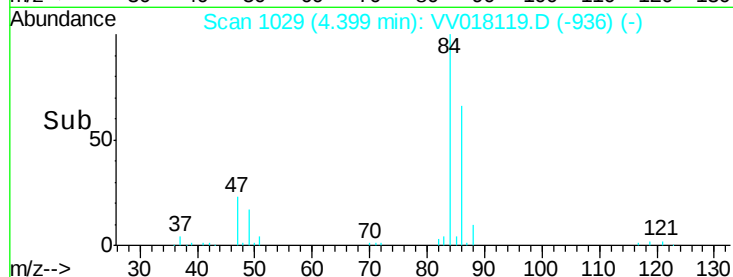
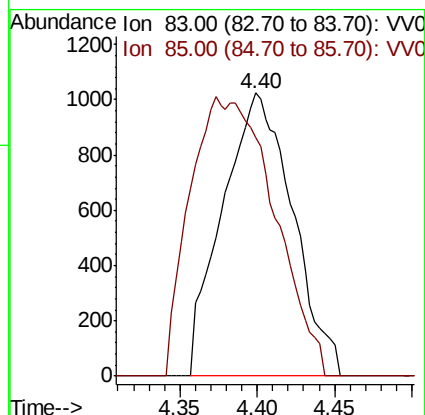
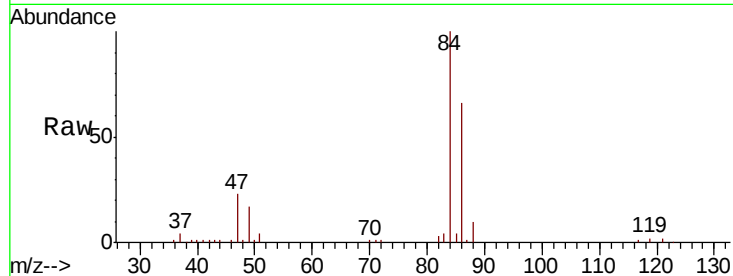




#25
Chloroform
Concen: 0.750 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018119.D
Acq: 27 Aug 2020 16:23

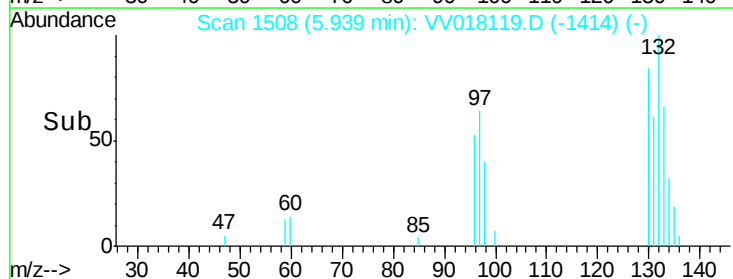
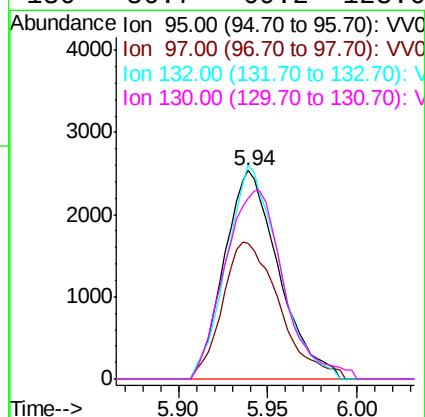
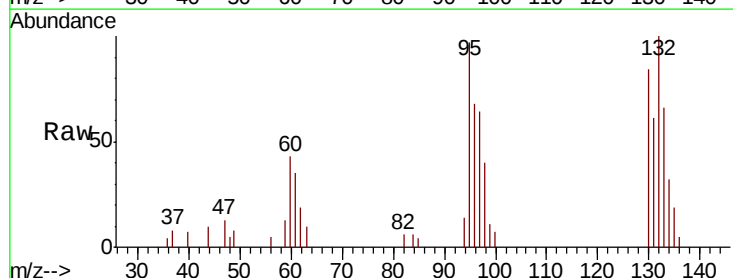
Instrument :
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BG3J0ME

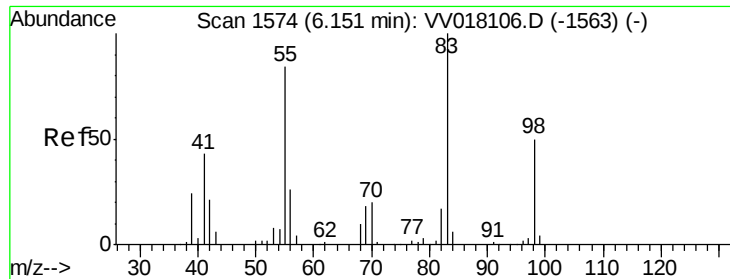
Tot Ion: 83 Resp: 3220
Ion Ratio Lower Upper
83 100
85 84.4 45.5 84.5



#34
Trichloroethene
Concen: 2.185 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018119.D
Acq: 27 Aug 2020 16:23

Tgt Ion: 95 Resp: 5377
Ion Ratio Lower Upper
95 100
97 65.4 46.0 85.4
132 102.6 65.8 122.2
130 86.7 69.2 128.6

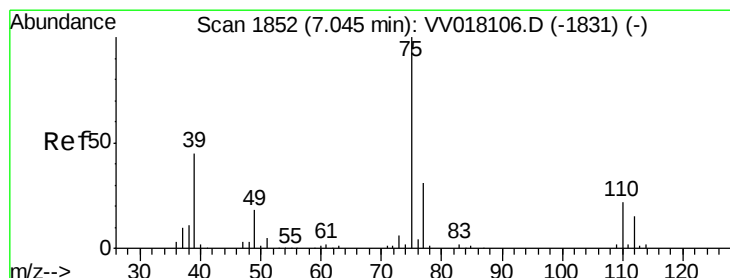
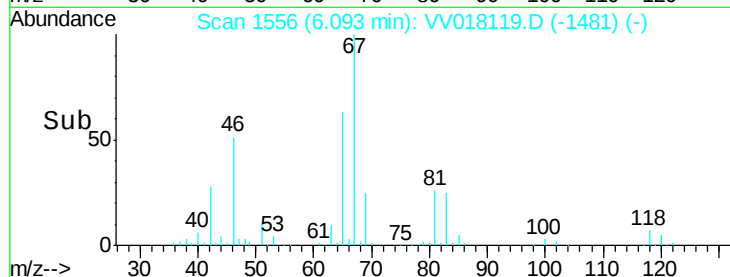
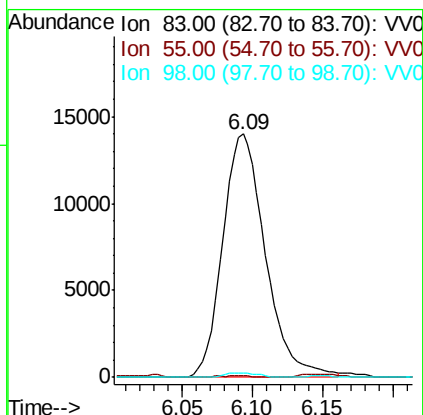
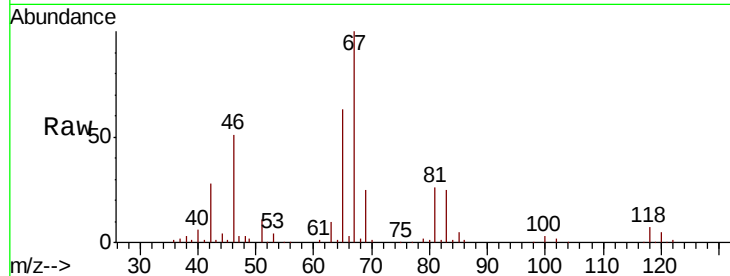




#35
Methvlcvclohexane
Concen: 8.097 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018119.D
Acq: 27 Aug 2020 16:23

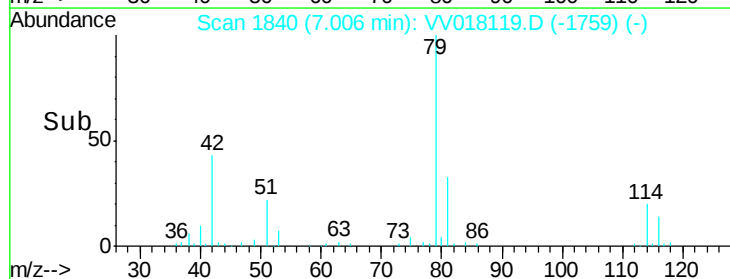
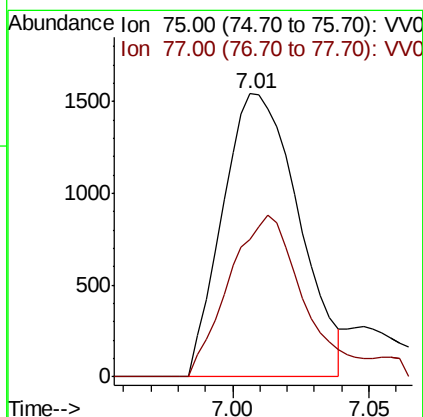
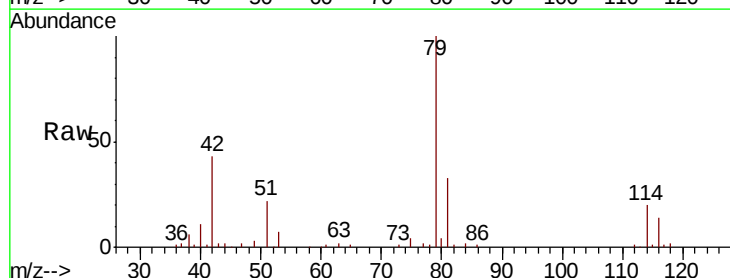
Instrument :
MSVOA_V
ClientSampleId :
BG3J0ME

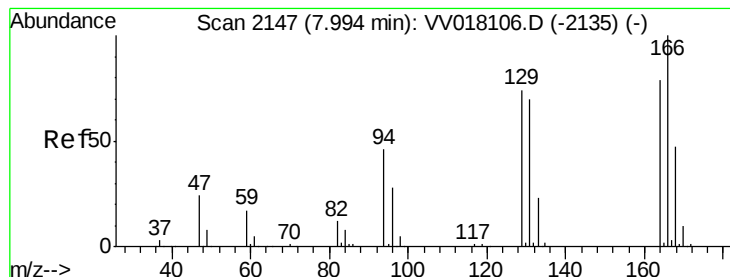
Tot Ion: 83 Resp: 29624
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.4 38.7 58.1#



#39
cis-1,3-Dichloropropene
Concen: 0.830 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018119.D
Acq: 27 Aug 2020 16:23

Tgt Ion: 75 Resp: 2988
Ion Ratio Lower Upper
75 100
77 48.8 22.3 41.5#





#46

Tetrachloroethene

Concen: 36.416 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018119.D

Acq: 27 Aug 2020 16:23

Instrument :

MSVOA_V

ClientSampleId :

BG3J0ME

Tot Ion:164 Resp: 65713

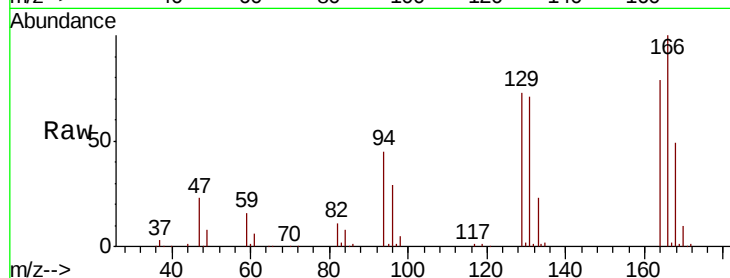
Ion Ratio Lower Upper

164 100

129 91.6 64.8 120.3

131 89.4 64.5 119.9

166 125.8 88.9 165.1

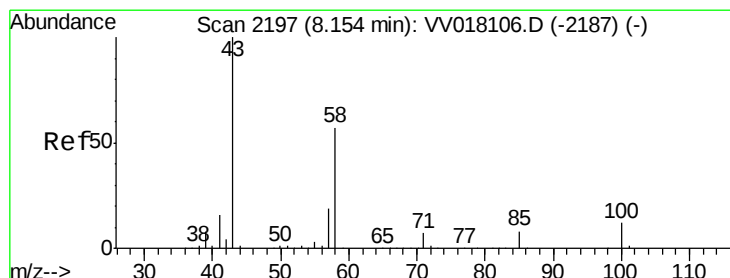
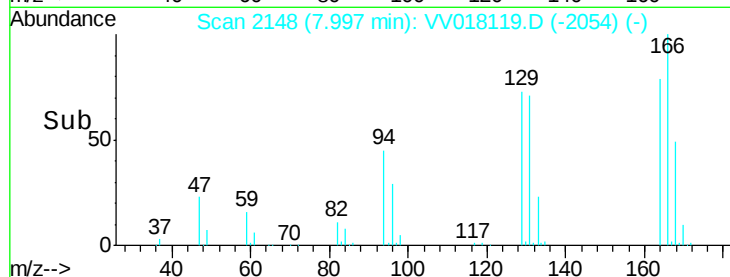
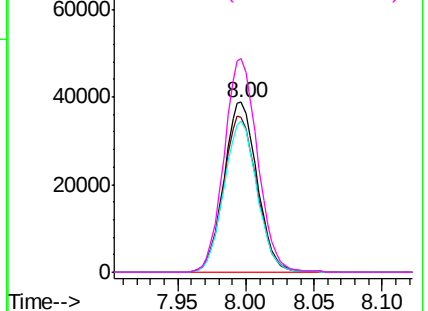


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.074 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VV018119.D

Acq: 27 Aug 2020 16:23

Tgt Ion: 43 Resp: 13577

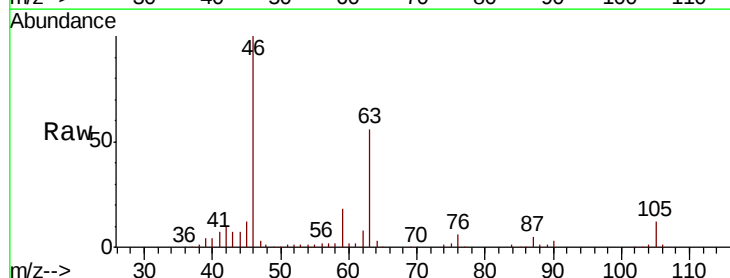
Ion Ratio Lower Upper

43 100

58 20.4 44.4 66.6#

57 18.8 15.2 22.8

100 0.5 9.8 14.6#

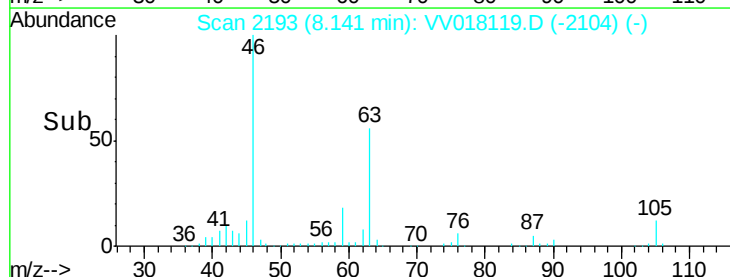
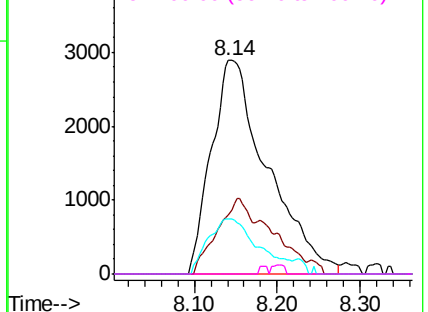


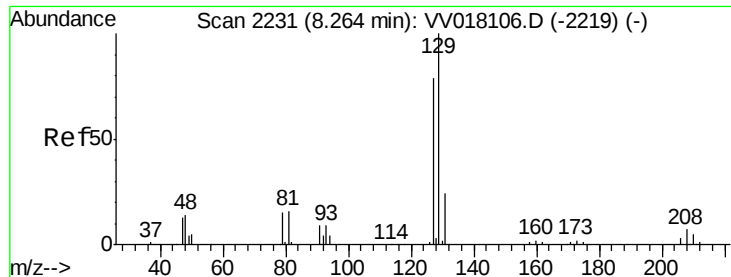
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 25.792 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV018119.D

Acq: 27 Aug 2020 16:23

Instrument :

MSVOA_V

ClientSampleId :

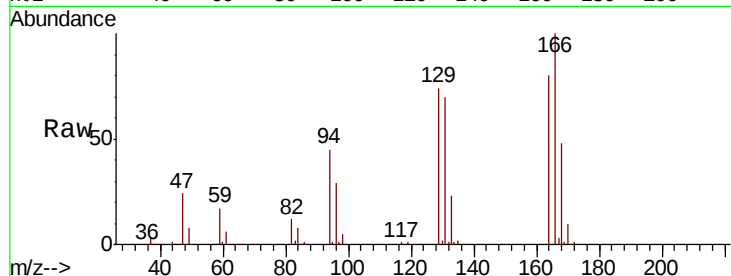
BG3J0ME

Tot Ion:129 Resp: 59184

Ion Ratio Lower Upper

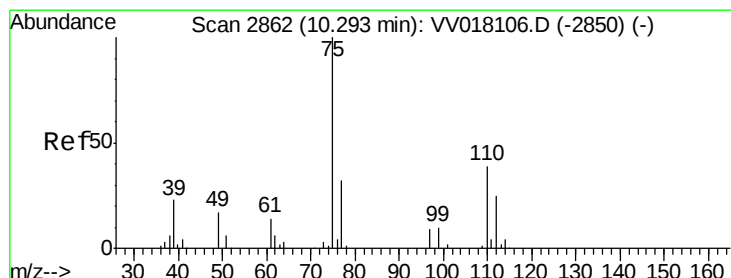
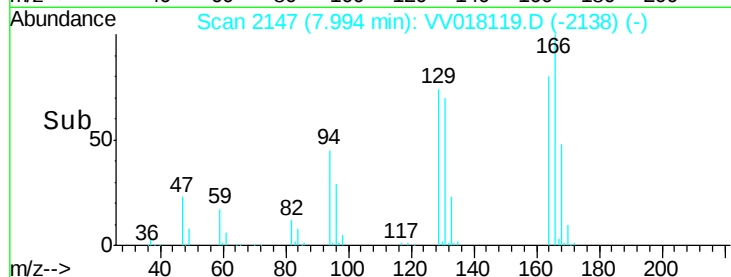
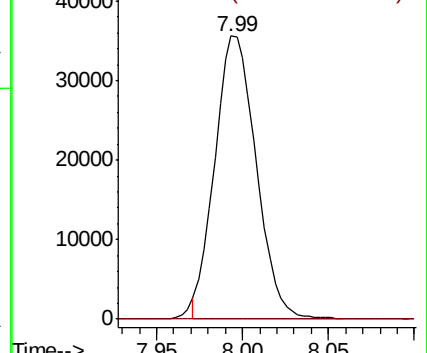
129 100

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



#59

1,2,3-Trichloropropane

Concen: 5.616 ug/L

RT: 11.27 min Scan# 3167

Delta R.T. 0.98 min

Lab File: VV018119.D

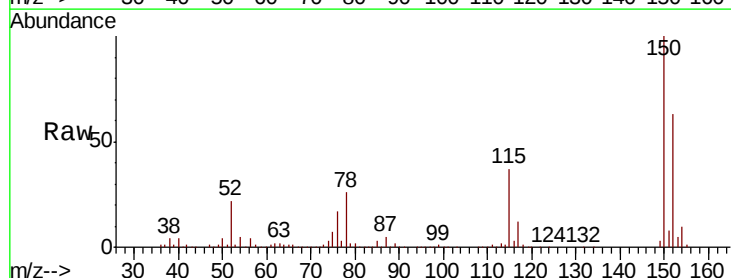
Acq: 27 Aug 2020 16:23

Tgt Ion: 75 Resp: 17608

Ion Ratio Lower Upper

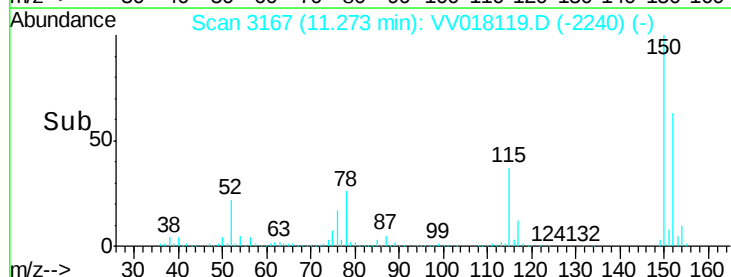
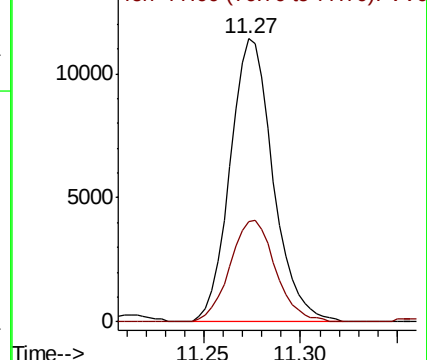
75 100

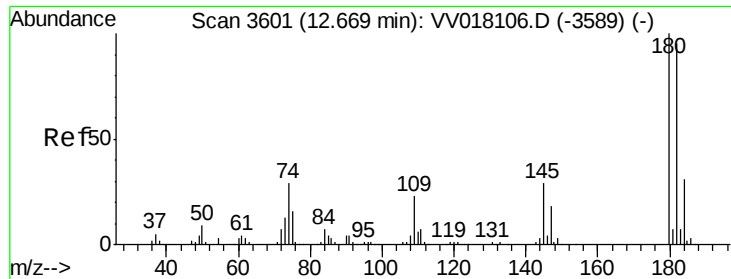
77 37.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

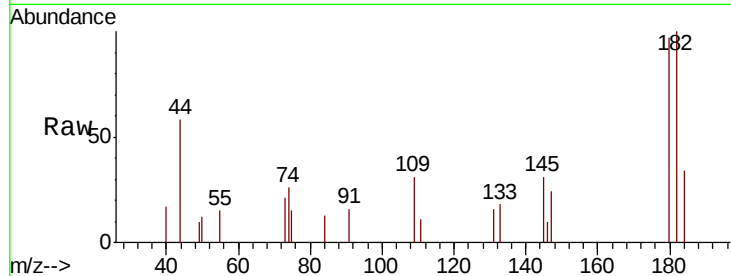




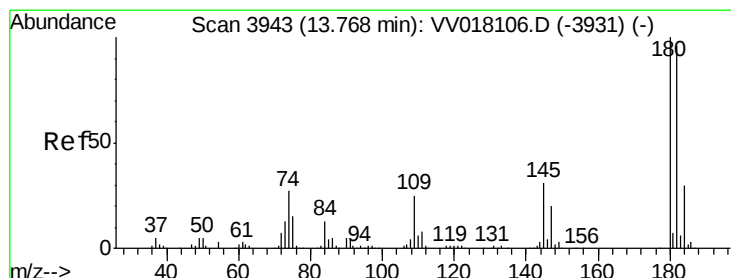
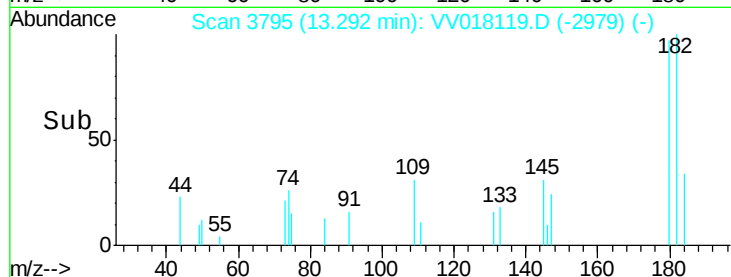
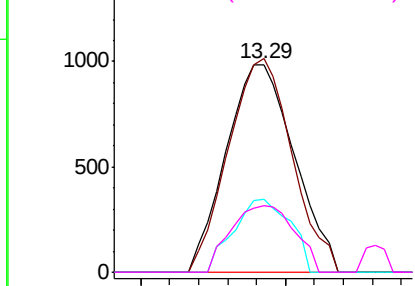
#67
 1,3,5-Trichlorobenzene
 Concen: 0.446 ug/L
 RT: 13.29 min Scan# 3795
 Delta R.T. 0.62 min
 Lab File: VV018119.D
 Acq: 27 Aug 2020 16:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J0ME

Tot Ion:180 Resp: 1604
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.2 115.8
 184 29.3 24.6 36.8
 145 30.0 23.5 35.3

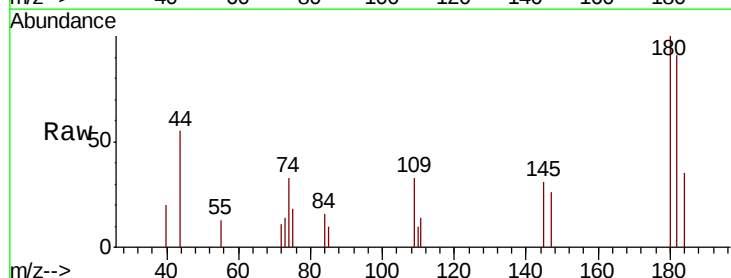


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.527 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV018119.D
 Acq: 27 Aug 2020 16:23

Tgt Ion:180 Resp: 1696
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.5 114.7
 145 2.5 26.0 39.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

