

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019357.D
 Acq On : 12 Nov 2020 17:22
 Operator : SY/MD
 Sample : L4693-15ME 2X
 Misc : 5.73g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4E1ME

Quant Time: Nov 13 01:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 01:06:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	209808	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	207621	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119643	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	73904	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.46%
7) Chloroethane-d5	1.57	69	67540	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.12%
11) 1,1-Dichloroethene-d2	2.11	63	122958	37.78	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.56%
21) 2-Butanone-d5	3.91	46	65396	80.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.19%
24) Chloroform-d	4.37	84	139375	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
26) 1,2-Dichloroethane-d4	5.05	65	103677	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.07	84	262850	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.09	67	75526	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.64%
41) Toluene-d8	7.33	98	249845	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%
43) trans-1,3-Dichloropropene-	7.64	79	45559	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.06%
47) 2-Hexanone-d5	8.12	63	60035	107.71	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.71%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	98404	48.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	117486	51.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.82%

Target Compounds

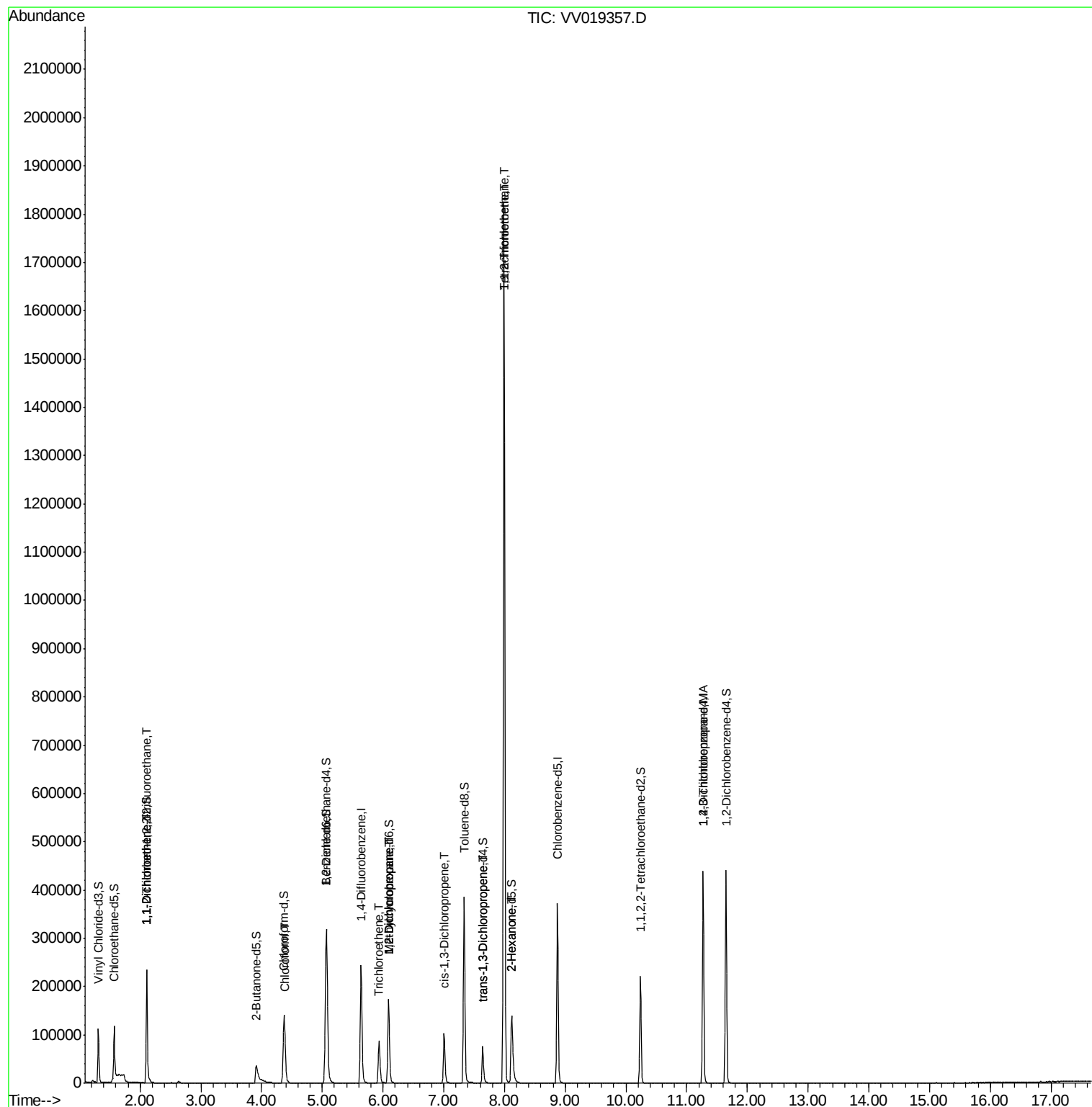
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1076	0.777	ug/L #	15
12) 1,1-Dichloroethene	2.12	96	1366	0.966	ug/L #	1
25) Chloroform	4.40	83	3067	1.118	ug/L	96
34) Trichloroethene	5.94	95	26544	16.804	ug/L	98
35) Methylcyclohexane	6.09	83	21125	10.821	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	9695	7.616	ug/L #	83
39) cis-1,3-Dichloropropene	7.01	75	2804	1.285	ug/L #	75
44) trans-1,3-Dichloropropene	7.64	75	2376	1.022	ug/L	97
45) 1,1,2-Trichloroethane	7.99	97	3359	2.433	ug/L #	16
46) Tetrachloroethene	7.99	164	414197	297.684	ug/L	99
48) 2-Hexanone	8.12	43	8481	6.738	ug/L #	60
59) 1,2,3-Trichloropropane	11.27	75	10961	6.305	ug/L #	88

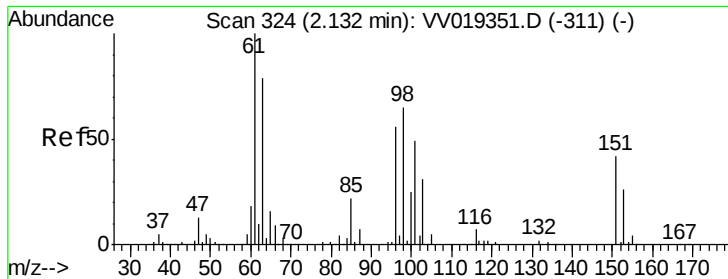
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 01:06:25 2020
Response via : Initial Calibration





#10

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

Concen: 0.777 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.02 min

Lab File: VV019357.D

Acq: 12 Nov 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

BG4E1ME

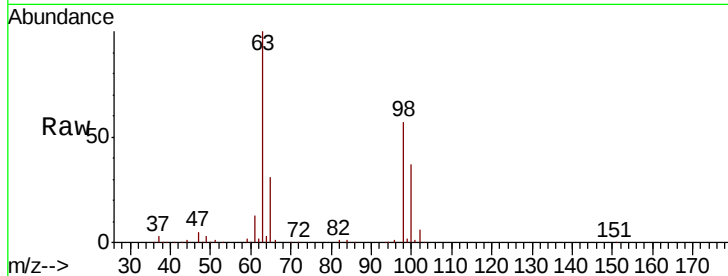
Tot Ion:101 Resp: 1076

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.6#

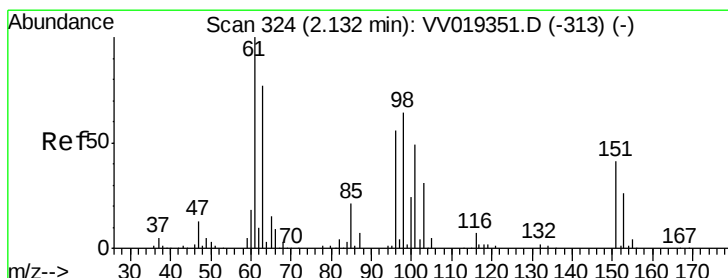
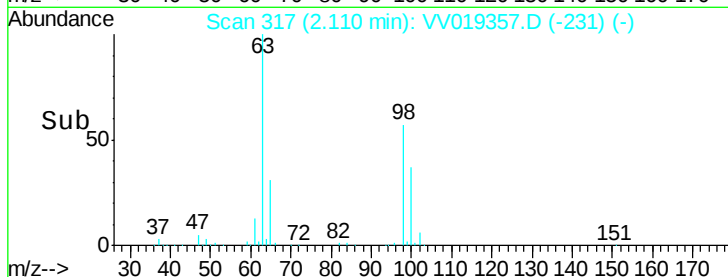
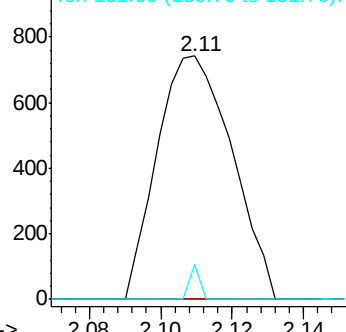
151 0.0 69.2 103.8#



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: 0.966 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV019357.D

Acq: 12 Nov 2020 17:22

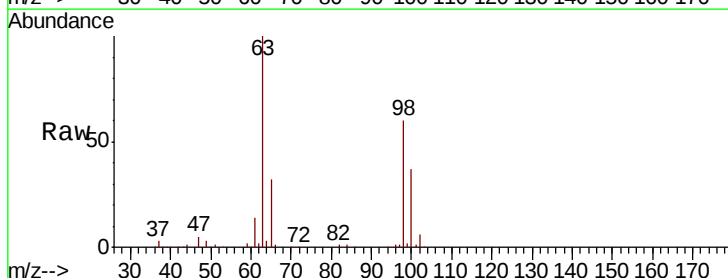
Tgt Ion: 96 Resp: 1366

Ion Ratio Lower Upper

96 100

61 1163.2 121.0 224.8#

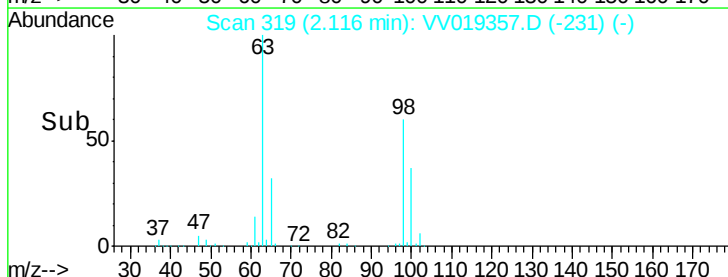
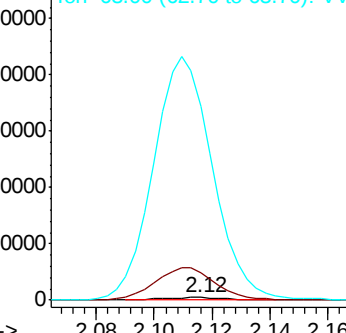
63 8155.3 86.2 160.0#

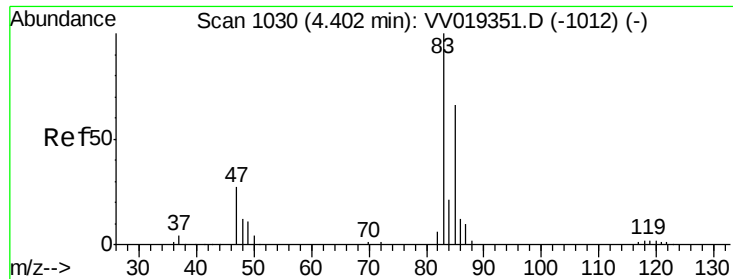


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

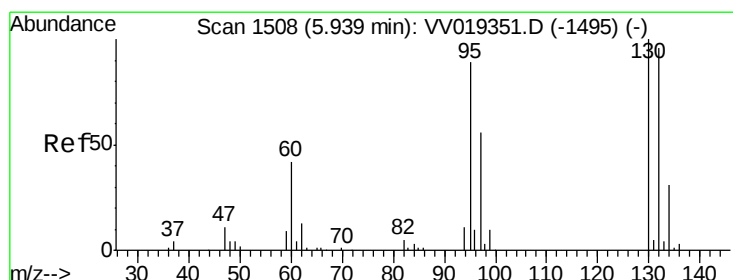
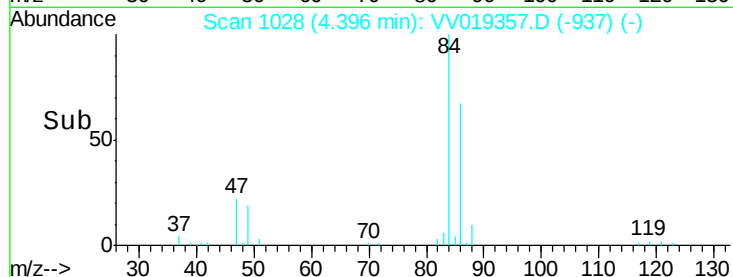
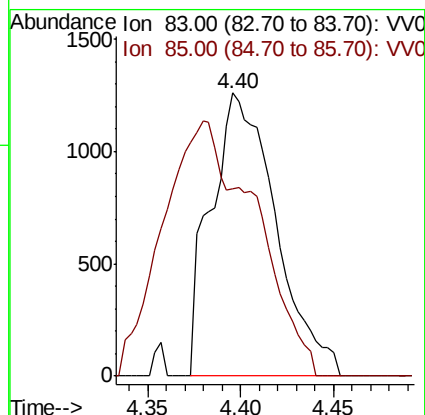
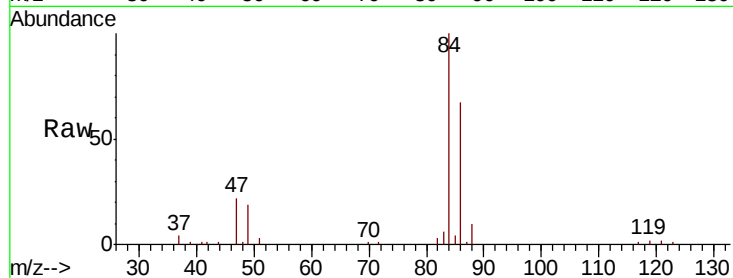




#25
Chloroform
Concen: 1.118 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VV019357.D
Acq: 12 Nov 2020 17:22

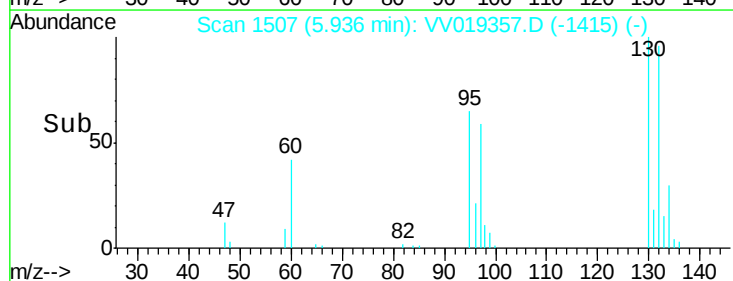
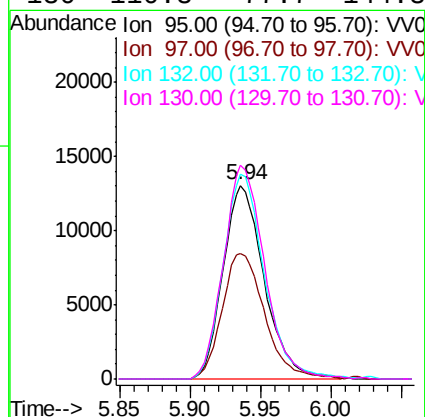
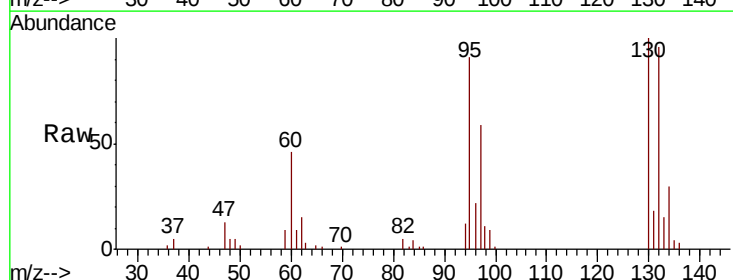
Instrument :
MSVOA_V
ClientSampleId :
BG4E1ME

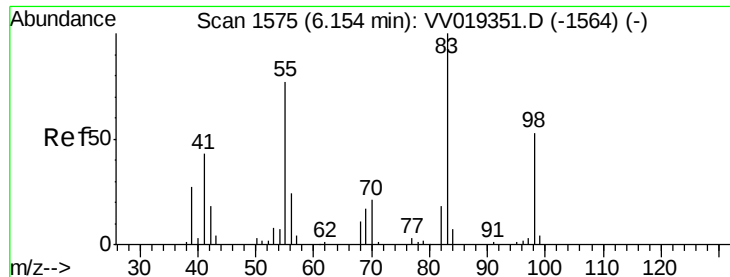
Tot Ion: 83 Resp: 3067
Ion Ratio Lower Upper
83 100
85 66.3 44.0 81.8



#34
Trichloroethene
Concen: 16.804 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV019357.D
Acq: 12 Nov 2020 17:22

Tgt Ion: 95 Resp: 26544
Ion Ratio Lower Upper
95 100
97 65.1 46.8 86.8
132 105.7 75.5 140.3
130 110.3 77.7 144.3

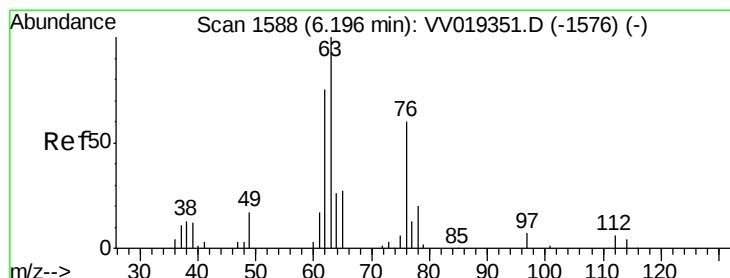
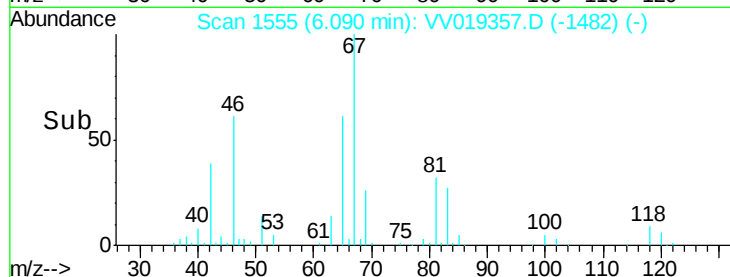
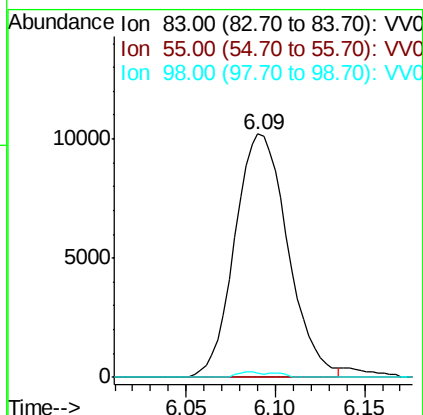
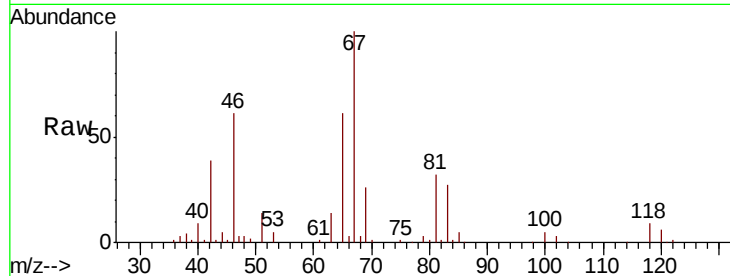




#35
Methvlcvclohexane
Concen: 10.821 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.06 min
Lab File: VV019357.D
Acq: 12 Nov 2020 17:22

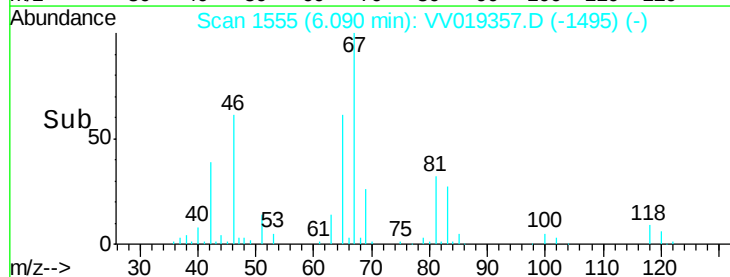
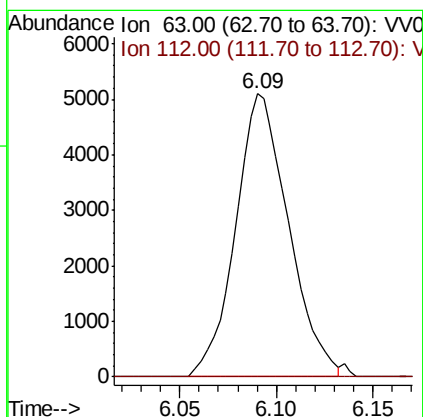
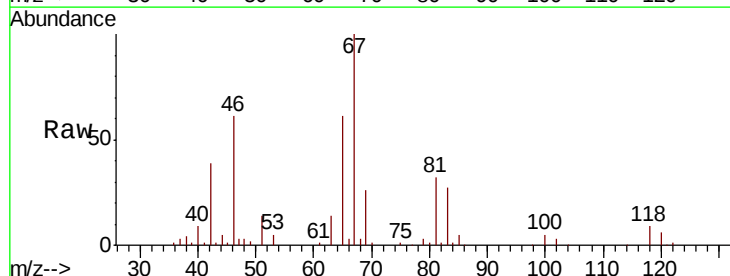
Instrument :
MSVOA_V
ClientSampleId :
BG4E1ME

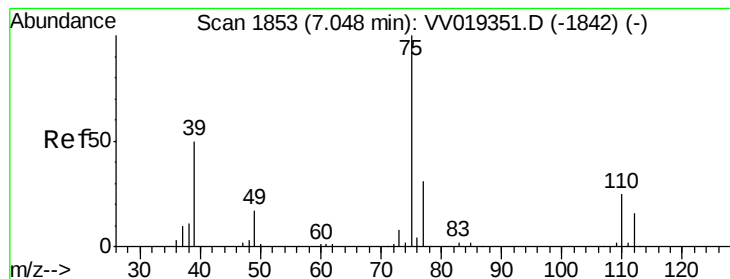
Tot Ion: 83 Resp: 21125
Ion Ratio Lower Upper
83 100
55 0.0 58.6 88.0#
98 1.0 41.4 62.0#



#37
1,2-Dichloropropane
Concen: 7.616 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV019357.D
Acq: 12 Nov 2020 17:22

Tgt Ion: 63 Resp: 9695
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 1.285 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV019357.D

Acq: 12 Nov 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

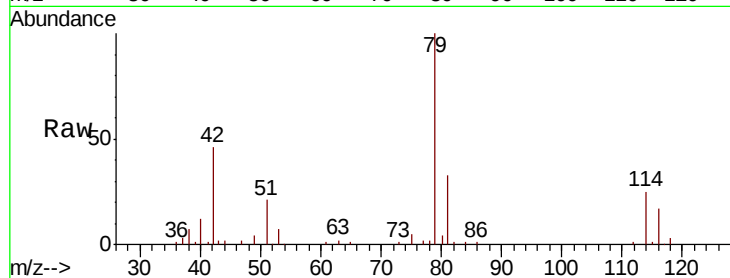
BG4E1ME

Tot Ion: 75 Resp: 2804

Ion Ratio Lower Upper

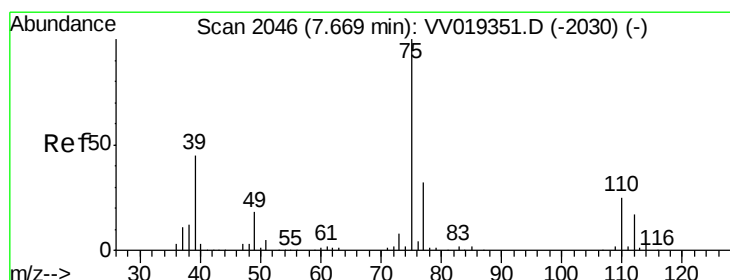
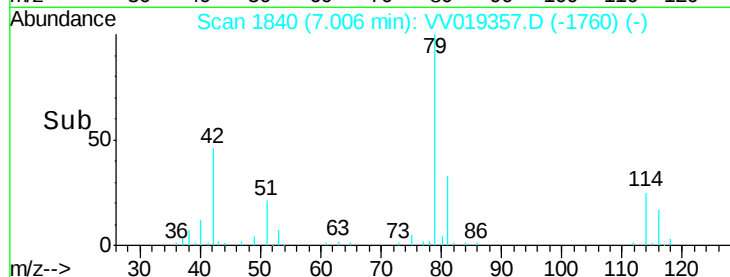
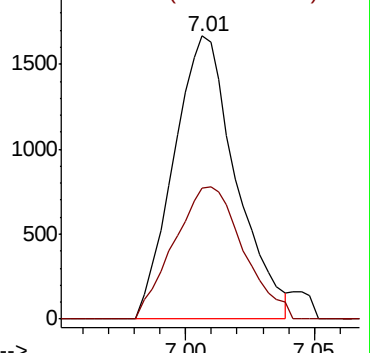
75 100

77 46.4 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.022 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV019357.D

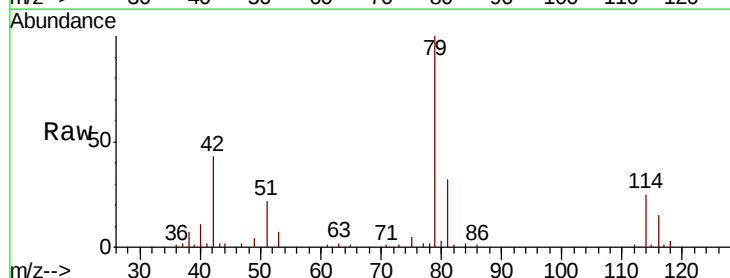
Acq: 12 Nov 2020 17:22

Tgt Ion: 75 Resp: 2376

Ion Ratio Lower Upper

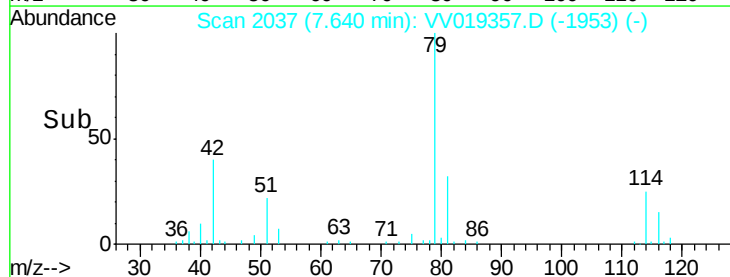
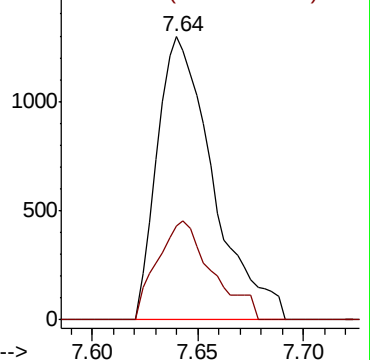
75 100

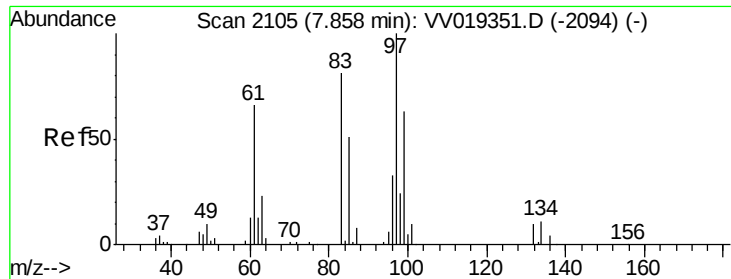
77 33.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 2.433 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV019357.D

Acq: 12 Nov 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

BG4E1ME

Tot Ion: 97 Resp: 3359

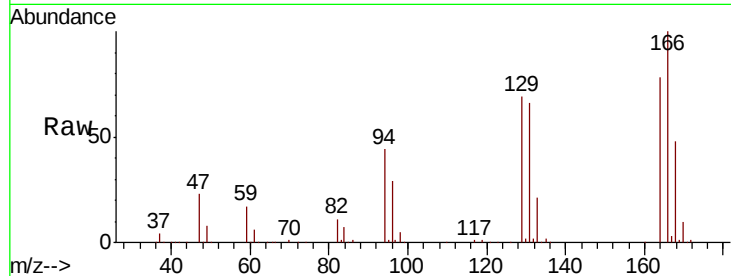
Ion Ratio Lower Upper

97 100

99 14.1 42.5 78.9#

83 199.3 58.1 107.9#

85 26.3 37.2 69.0#



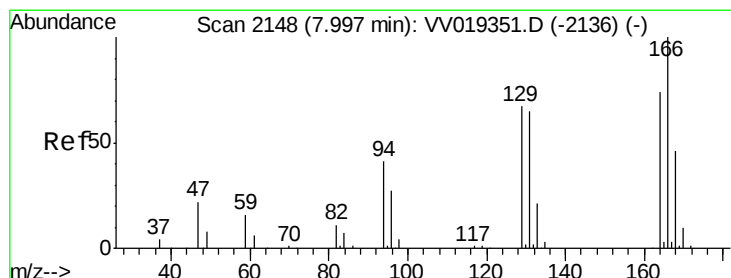
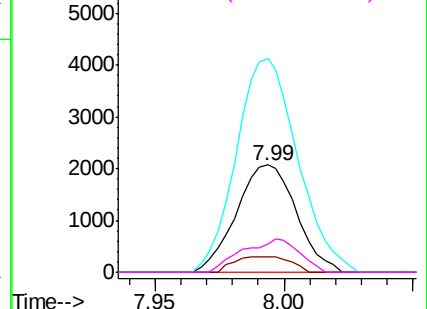
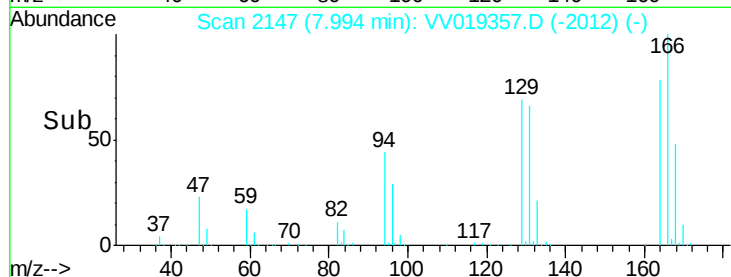
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 297.684 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV019357.D

Acq: 12 Nov 2020 17:22

Tgt Ion: 164 Resp: 414197

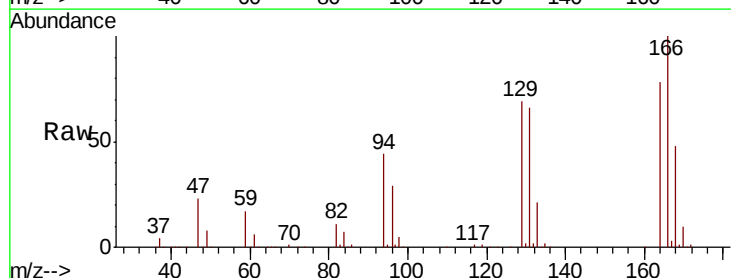
Ion Ratio Lower Upper

164 100

129 88.4 60.9 113.1

131 84.6 58.9 109.5

166 129.0 91.4 169.8



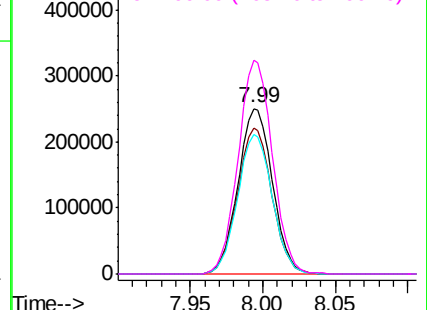
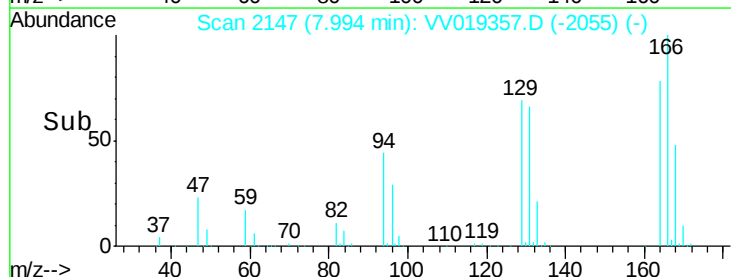
Abundance

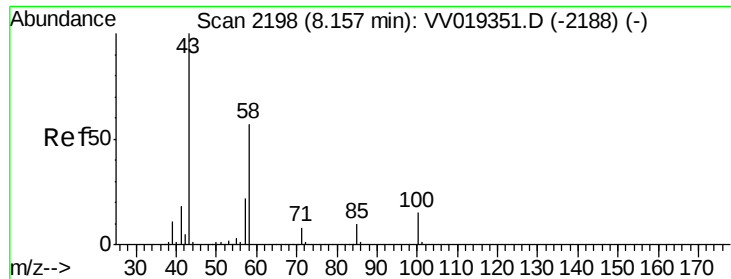
Ion 164.00 (163.70 to 164.70): V

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

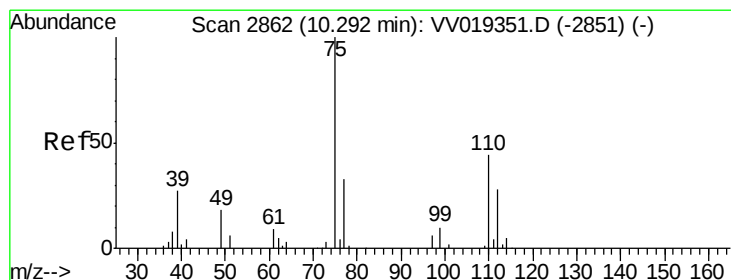
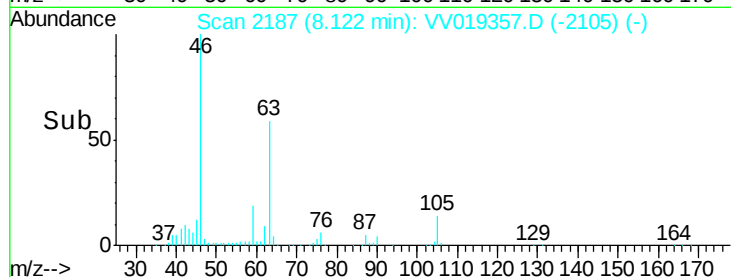
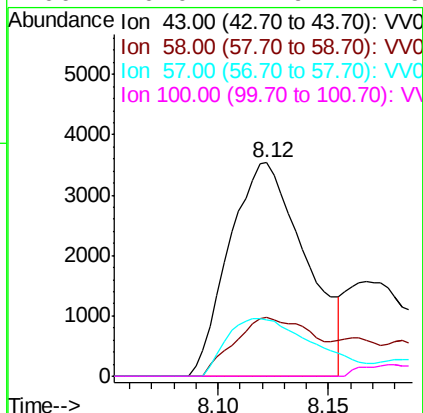
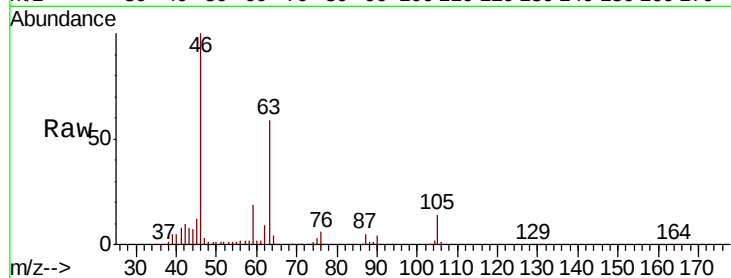




#48
2-Hexanone
Concen: 6.738 ug/L
RT: 8.12 min Scan# 2187
Delta R.T. -0.04 min
Lab File: VV019357.D
Acq: 12 Nov 2020 17:22

Instrument :
MSVOA_V
ClientSampled :
BG4E1ME

Tot Ion: 43 Resp: 8481
Ion Ratio Lower Upper
43 100
58 18.9 43.6 65.4#
57 31.2 17.2 25.8#
100 0.0 11.9 17.9#



#59
1,2,3-Trichloropropane
Concen: 6.305 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV019357.D
Acq: 12 Nov 2020 17:22

Tgt Ion: 75 Resp: 10961
Ion Ratio Lower Upper
75 100
77 37.6 25.0 37.4#

