

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120320\
 Data File : VV019468.D
 Acq On : 03 Dec 2020 19:51
 Operator : SY/MD
 Sample : L4920-13ME5X
 Misc : 5.7g/5.0mL/100UL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4F9ME

Quant Time: Dec 04 08:05:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 08:04:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	318800	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	323151	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	104922	32.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.90%
7) Chloroethane-d5	1.54	69	109428	42.23	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.46%
11) 1,1-Dichloroethene-d2	2.11	63	180732	31.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.78%
21) 2-Butanone-d5	3.89	46	221035	113.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.90%
24) Chloroform-d	4.37	84	243100	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
26) 1,2-Dichloroethane-d4	5.05	65	180162	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
32) Benzene-d6	5.07	84	475641	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.09	67	167034	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.08%
41) Toluene-d8	7.33	98	398749	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%
43) trans-1,3-Dichloropropene-	7.64	79	72659	47.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.64%
47) 2-Hexanone-d5	8.11	63	131280	104.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.81%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	202560	49.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	161936	54.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.12%

Target Compounds

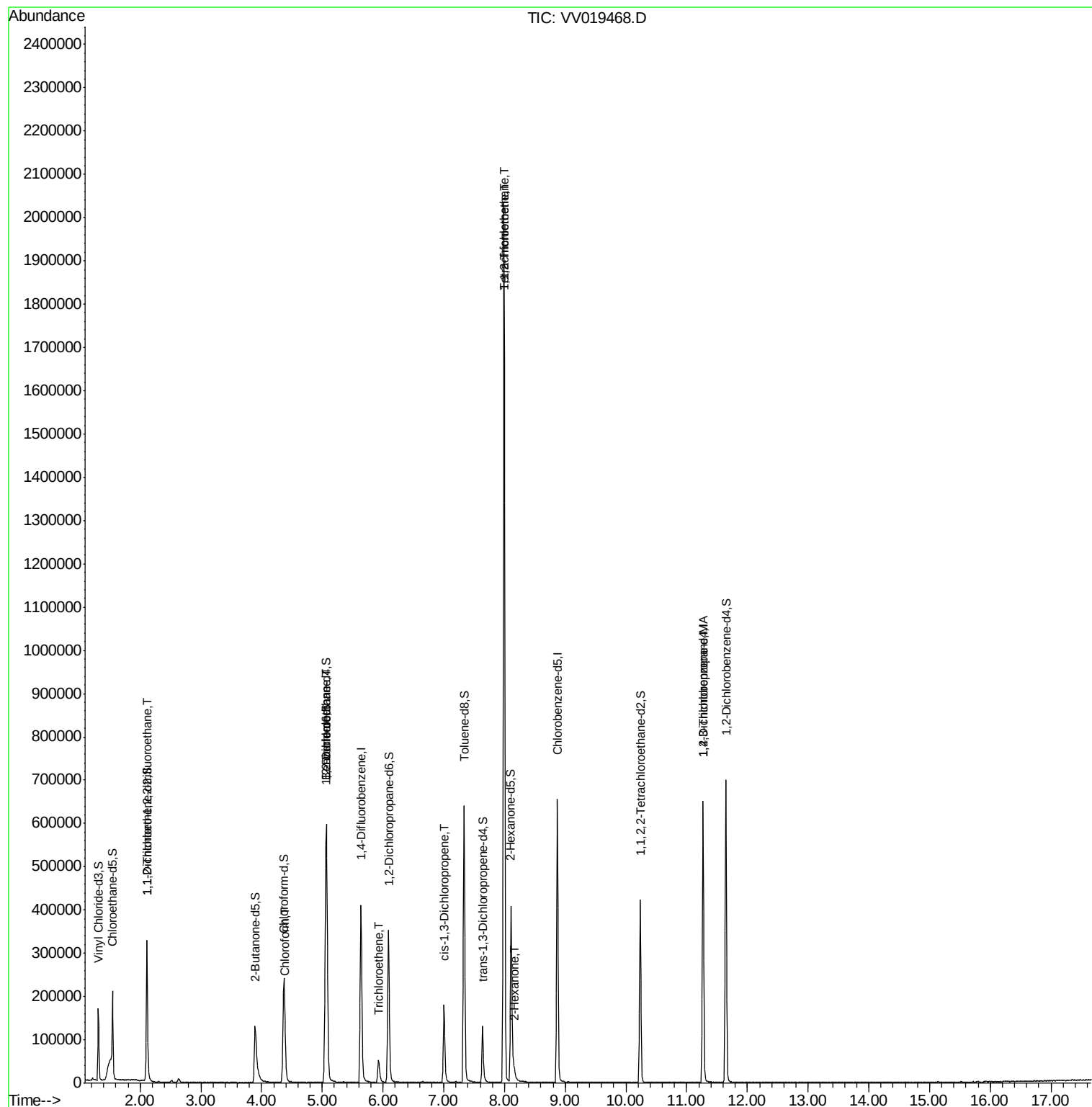
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1490	0.666	ug/L #	20
25) Chloroform	4.40	83	6604	1.384	ug/L	99
27) 1,2-Dichloroethane	5.07	62	3618	0.966	ug/L	96
34) Trichloroethene	5.94	95	6625	2.457	ug/L	92
39) cis-1,3-Dichloropropene	7.00	75	4944	1.255	ug/L #	67
45) 1,1,2-Trichloroethane	7.99	97	4255	1.704	ug/L #	5
46) Tetrachloroethene	7.99	164	411145	219.510	ug/L	95
48) 2-Hexanone	8.16	43	13911	4.670	ug/L #	83
59) 1,2,3-Trichloropropane	11.27	75	21747	6.207	ug/L	95

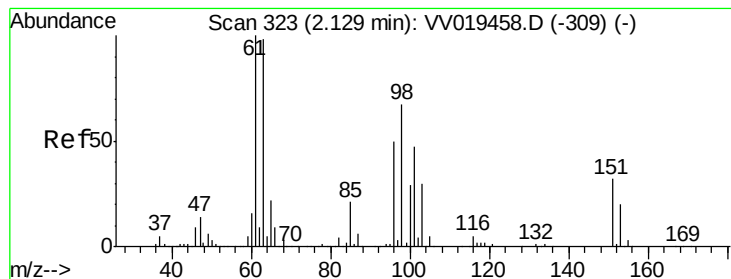
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.7a/5.0mL/100UL/5.0mL/MSVOA_V/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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BG4F9ME

Quant Time: Dec 04 08:05:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 04 08:04:03 2020
Response via : Initial Calibration





#10

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

Concen: 0.666 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV019468.D

Acq: 03 Dec 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

BG4F9ME

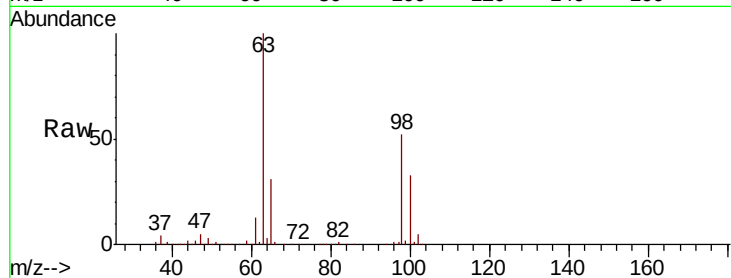
Tot Ion:101 Resp: 1490

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

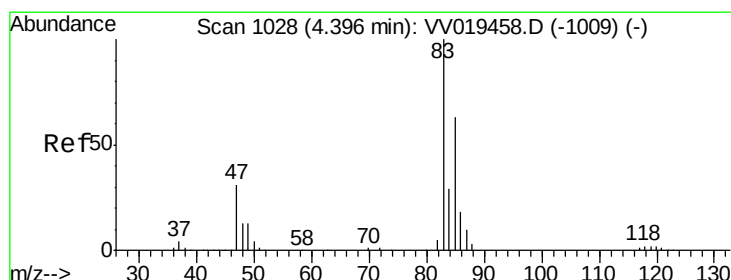
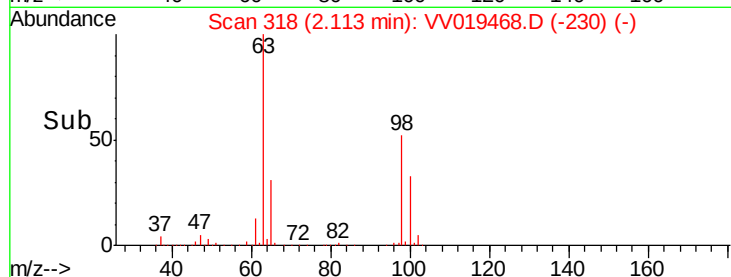
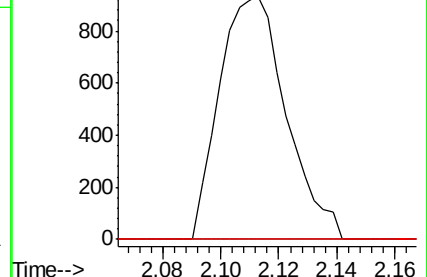
151 0.0 58.9 88.3#



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



#25

Chloroform

Concen: 1.384 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VV019468.D

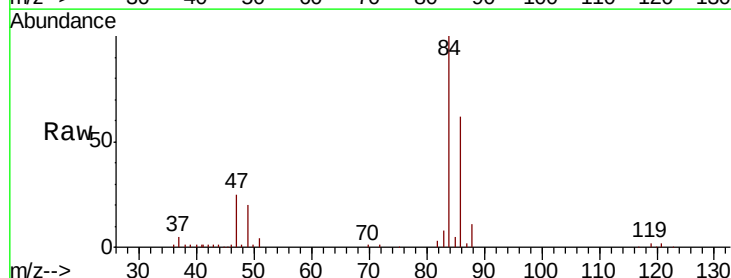
Acq: 03 Dec 2020 19:51

Tgt Ion: 83 Resp: 6604

Ion Ratio Lower Upper

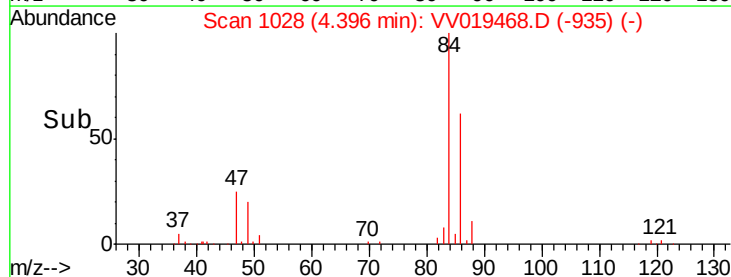
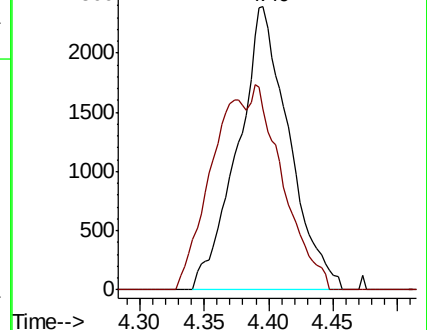
83 100

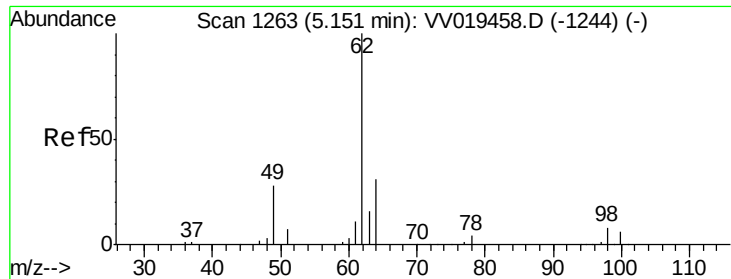
85 63.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

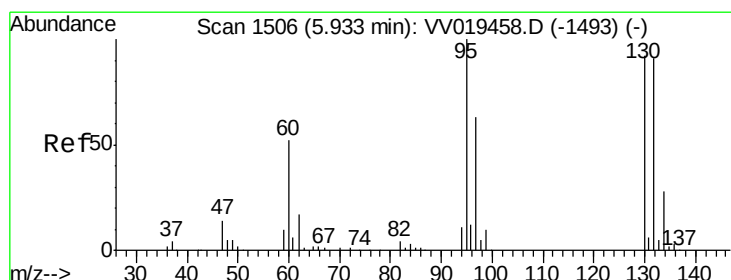
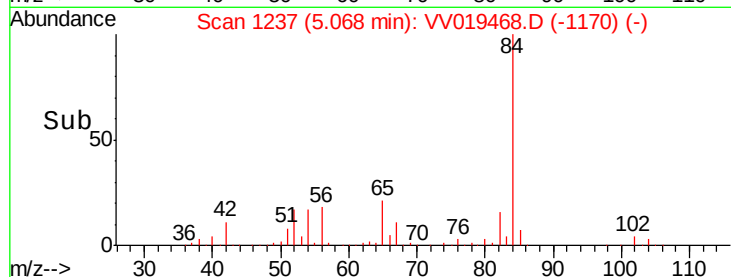
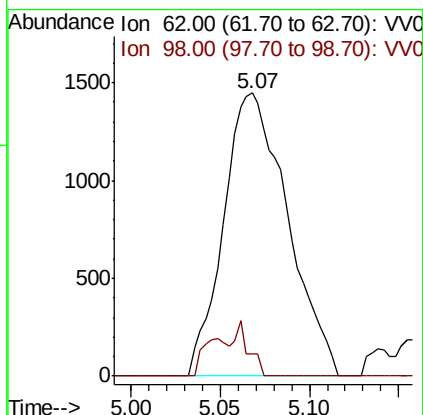
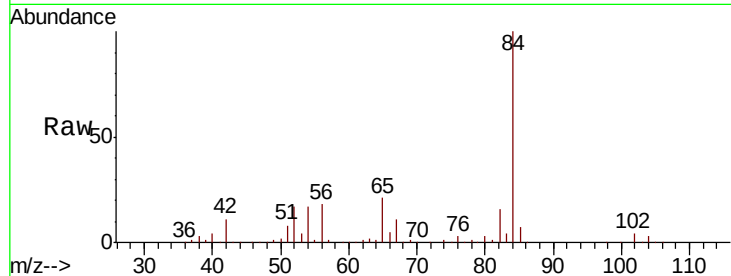




#27
 1,2-Dichloroethane
 Concen: 0.966 ug/L
 RT: 5.07 min Scan# 1237
 Delta R.T. -0.08 min
 Lab File: VV019468.D
 Acq: 03 Dec 2020 19:51

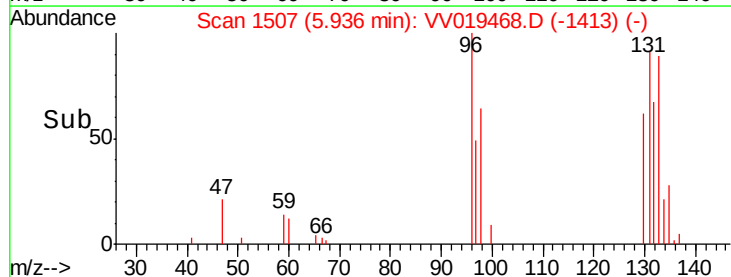
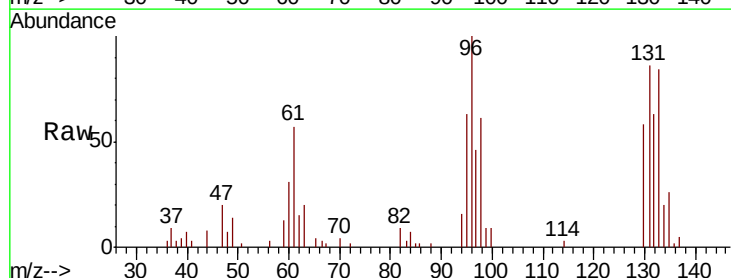
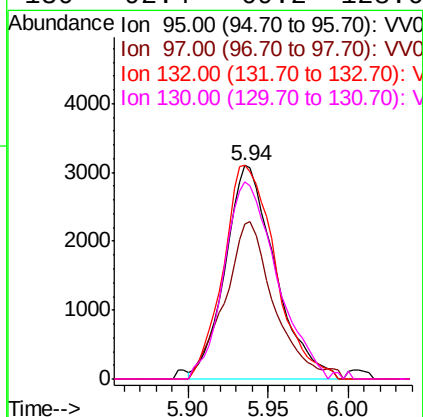
Instrument :
 MSVOA_V
 ClientSampleId :
 BG4F9ME

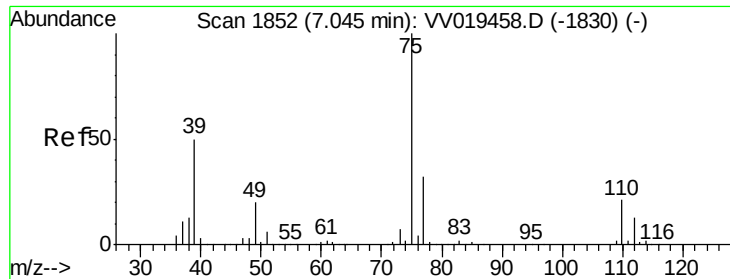
Tot Ion: 62 Resp: 3618
 Ion Ratio Lower Upper
 62 100
 98 8.1 7.6 11.4



#34
 Trichloroethene
 Concen: 2.457 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019468.D
 Acq: 03 Dec 2020 19:51

Tgt Ion: 95 Resp: 6625
 Ion Ratio Lower Upper
 95 100
 97 72.6 43.8 81.3
 132 99.8 65.6 121.8
 130 92.4 69.2 128.6





#39

cis-1,3-Dichloropropene

Concen: 1.255 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VV019468.D

Acq: 03 Dec 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

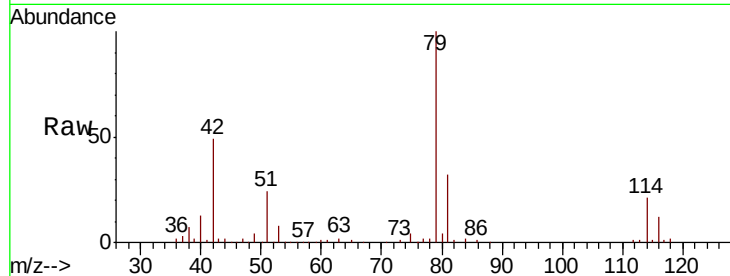
BG4F9ME

Tot Ion: 75 Resp: 4944

Ion Ratio Lower Upper

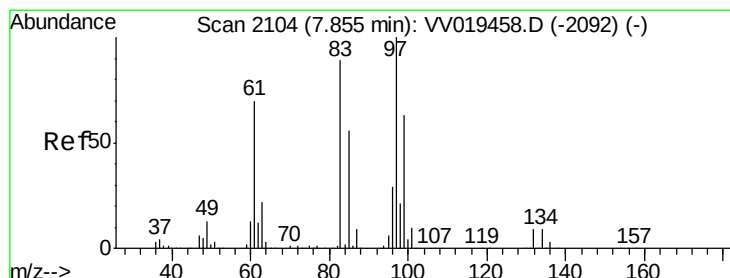
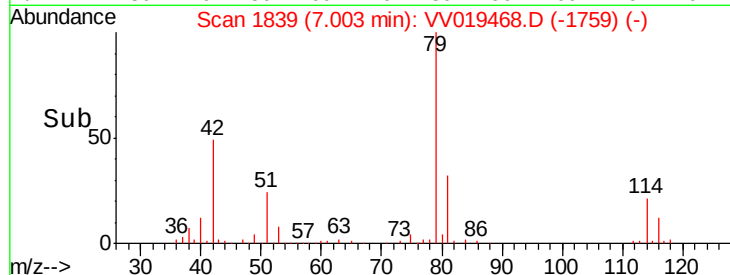
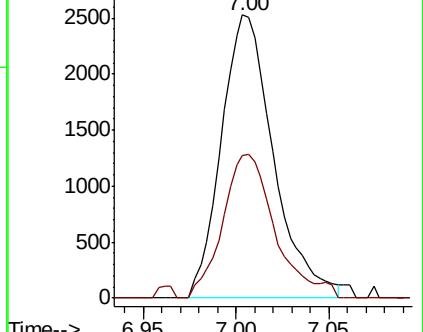
75 100

77 50.4 22.5 41.7#



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: 1.704 ug/L

RT: 7.99 min Scan# 2146

Delta R.T. 0.14 min

Lab File: VV019468.D

Acq: 03 Dec 2020 19:51

Tgt Ion: 97 Resp: 4255

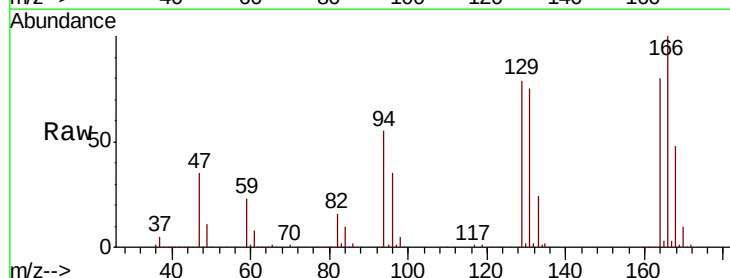
Ion Ratio Lower Upper

97 100

99 12.9 43.7 81.1#

83 233.1 62.0 115.2#

85 30.7 40.0 74.4#

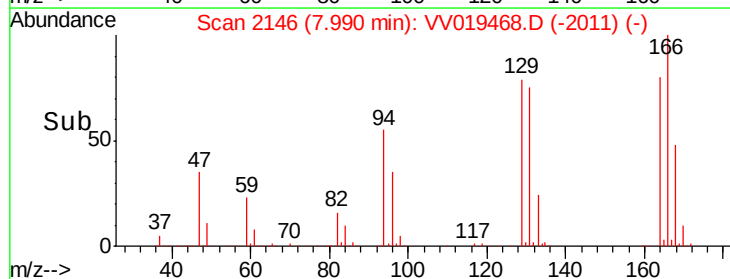
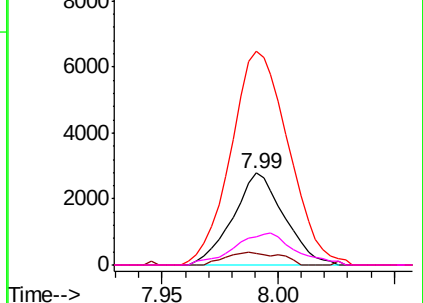


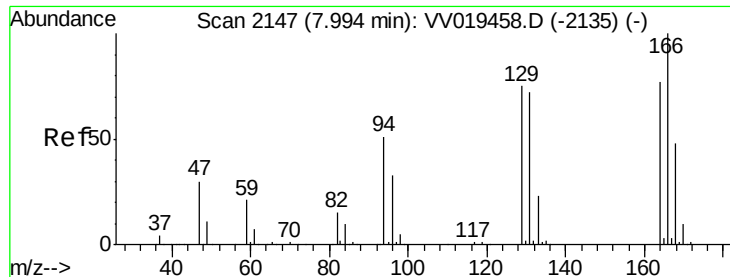
Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 219.510 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019468.D

Acq: 03 Dec 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

BG4F9ME

Tot Ion:164 Resp: 411145

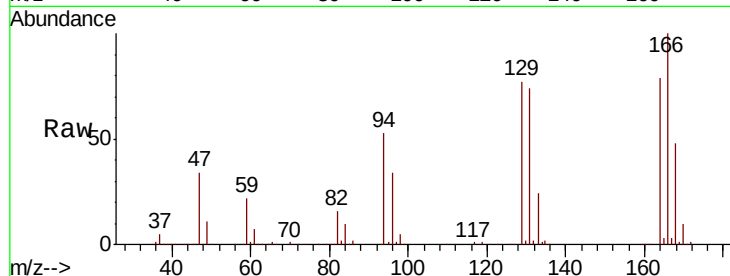
Ion Ratio Lower Upper

164 100

129 97.2 62.9 116.7

131 93.9 61.1 113.5

166 126.1 86.5 160.6

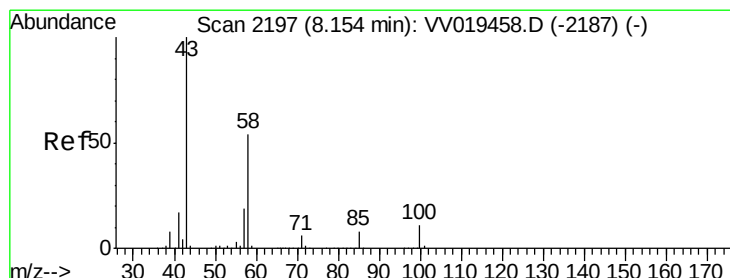
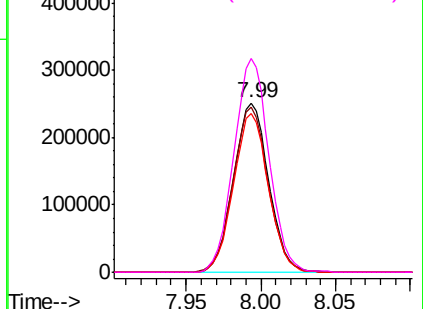
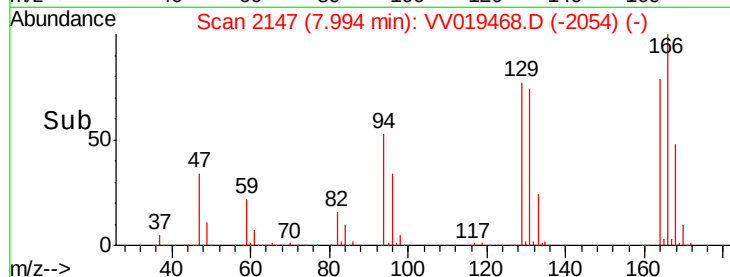


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.670 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019468.D

Acq: 03 Dec 2020 19:51

Tgt Ion: 43 Resp: 13911

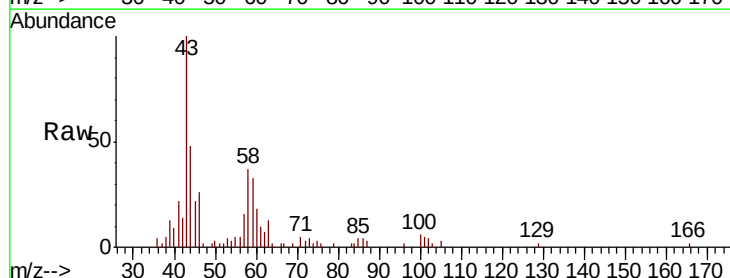
Ion Ratio Lower Upper

43 100

58 45.4 43.8 65.6

57 6.6 15.4 23.2#

100 5.6 9.0 13.6#

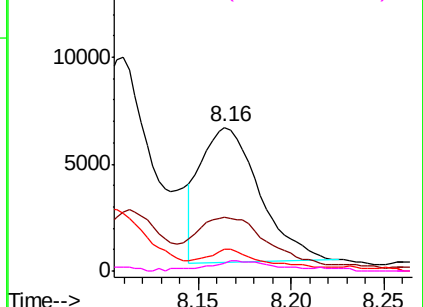
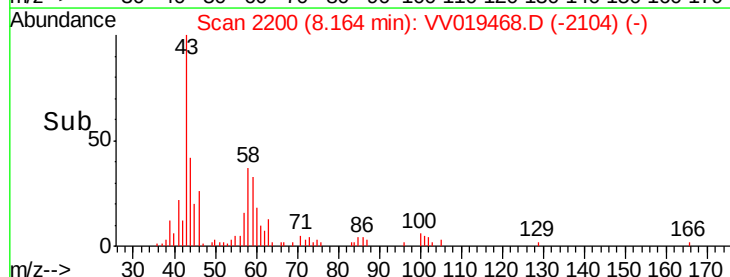


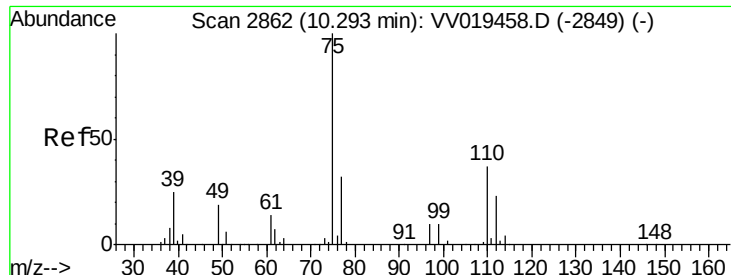
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 6.207 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019468.D

Acq: 03 Dec 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

BG4F9ME

Tot Ion: 75 Resp: 21747

Ion Ratio Lower Upper

75 100

77 34.5 25.2 37.8

