

Data File : VV013319.D
Acq On : 24 Oct 2019 19:46
Operator : SY/MD
Sample : K5457-05DL 4X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB47

Quant Time: Oct 25 04:45:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421506	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	439890	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231869	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	141027	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	124978	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	318179	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.00%
20) 2-Butanone-d5	3.96	46	379373	63.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.14%
24) Chloroform-d	4.40	84	354665	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	171680	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	716805	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	220448	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	593479	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	72873	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.13	63	236378	40.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	151022	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	250696	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3096	0.089 ug/L #	17
12) 1,1-Dichloroethene	2.14	96	314836	9.500 ug/L	90
16) Methylene chloride	2.53	84	9480	0.190 ug/L	97
19) 1,1-Dichloroethane	3.23	63	67250	1.059 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	291853	6.980 ug/L #	92
25) Chloroform	4.42	83	23251	0.281 ug/L	100
27) 1,2-Dichloroethane	5.09	62	3568	0.081 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	23742	0.365 ug/L	95
31) Carbon tetrachloride	4.87	117	10342	0.177 ug/L	96
34) Trichloroethene	5.95	95	431427	9.572 ug/L	97
35) Methylcyclohexane	6.12	83	55370	0.798 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	23452	0.575 ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	2876	0.066 ug/L	89
45) 1,1,2-Trichloroethane	7.89	97	3112	0.109 ug/L	86
47) Tetrachloroethene	8.02	164	328753	8.032 ug/L	97
48) 2-Hexanone	8.18	43	19945	1.340 ug/L #	71
49) Dibromochloromethane	8.01	129	261563	7.291 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	12.69	180	3706	0.061	ug/L #	90

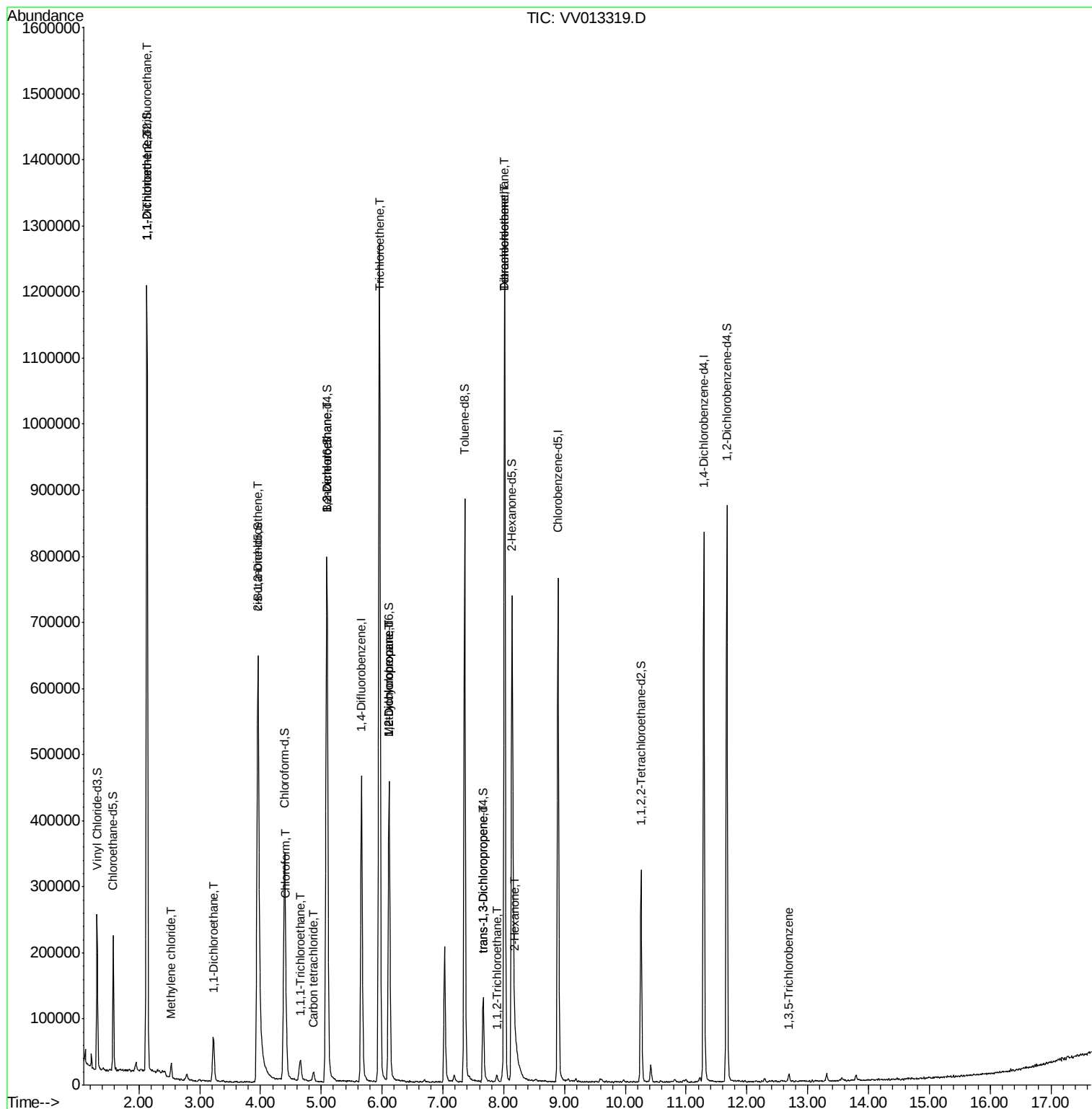
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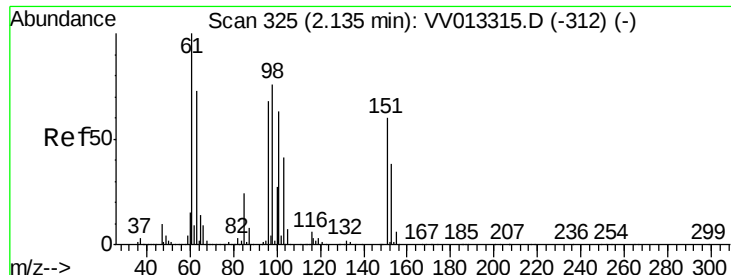
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Operator     : SY/MD
Sample       : K5457-05DL 4X
Misc         : 25.0ML/MSV0A_V/WATER
ALS Vial     : 7   Sample Multiplier: 1
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ClientSampleId :
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Quant Time: Oct 25 04:45:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration





#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

BFB47

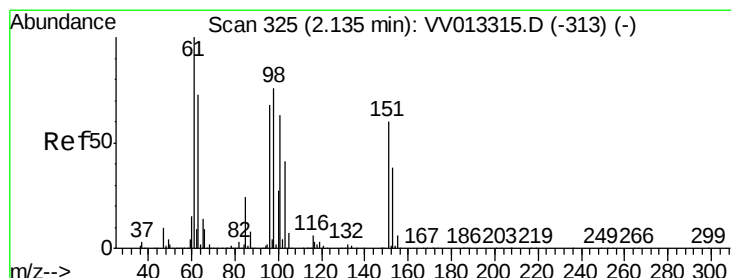
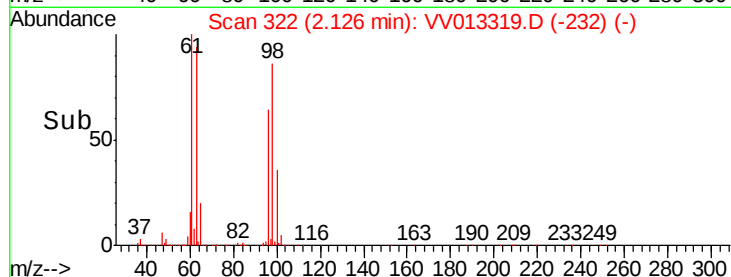
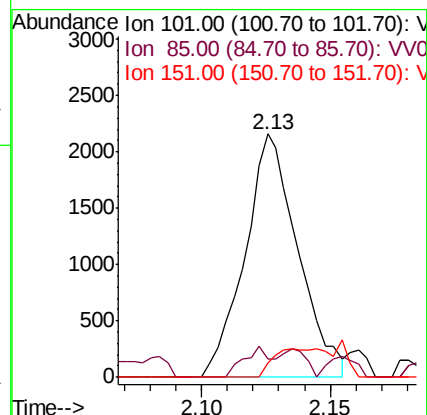
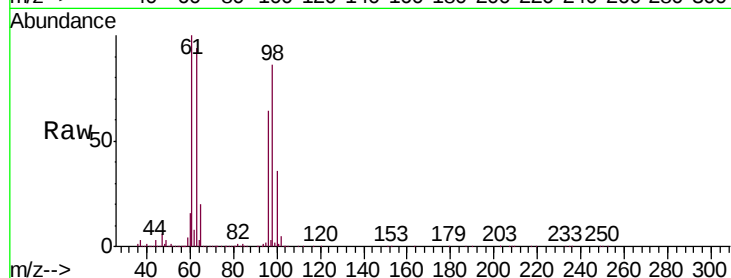
Tgt Ion: 101 Resp: 3096

Ion Ratio Lower Upper

101 100

85 6.6 31.8 47.8#

151 0.0 72.9 109.3#



#12

1,1-Dichloroethene

Concen: 9.500 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

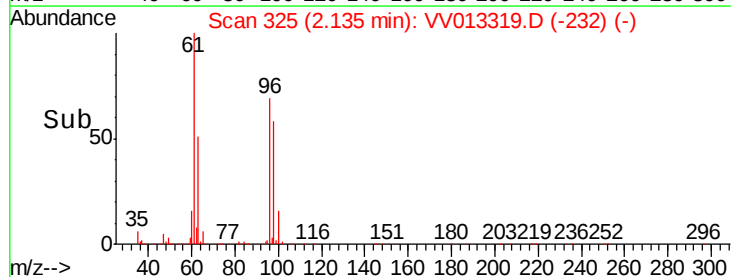
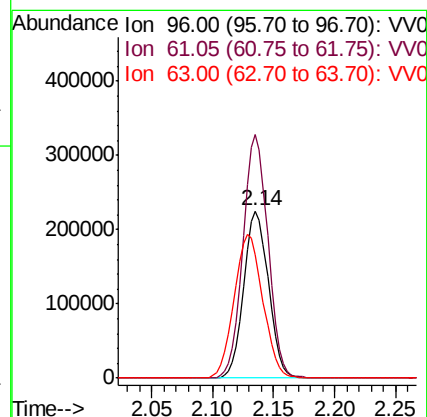
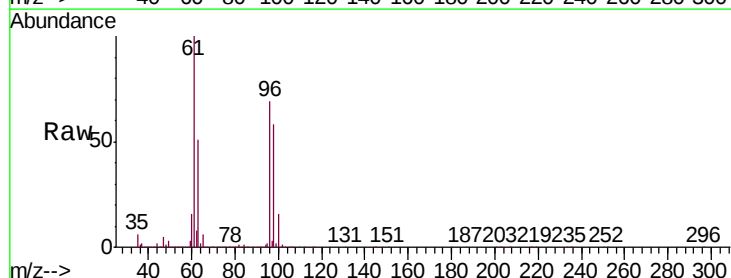
Tgt Ion: 96 Resp: 314836

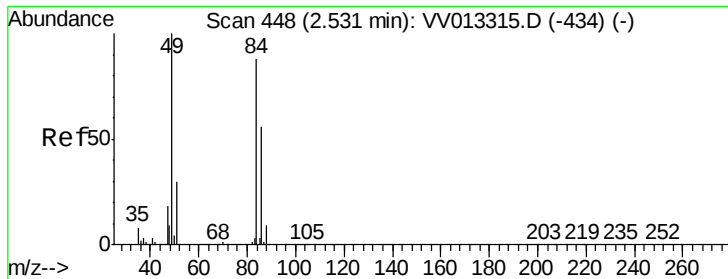
Ion Ratio Lower Upper

96 100

61 145.6 104.0 193.1

63 74.1 67.1 124.5

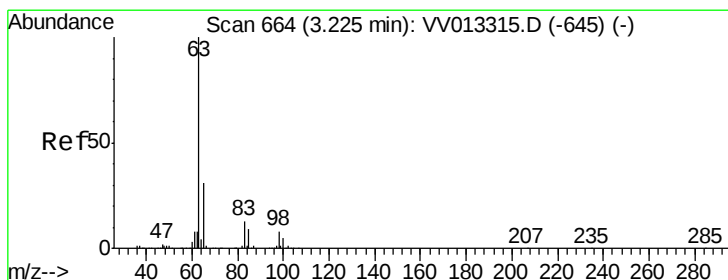
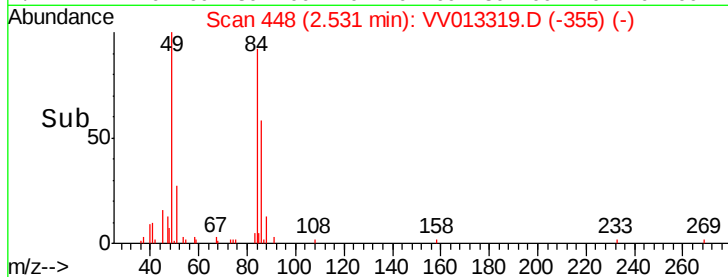
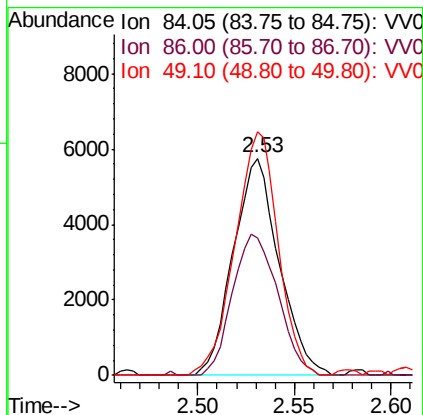
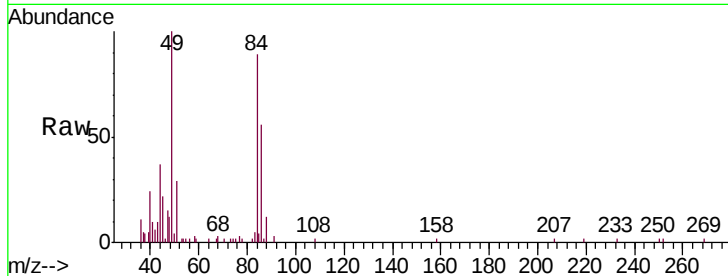




#16
Methylene chloride
Concen: 0.190 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013319.D
Acq: 24 Oct 2019 19:46

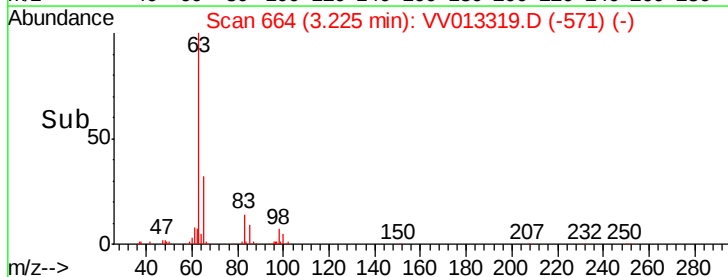
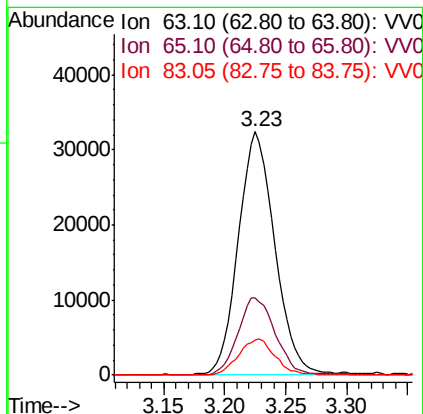
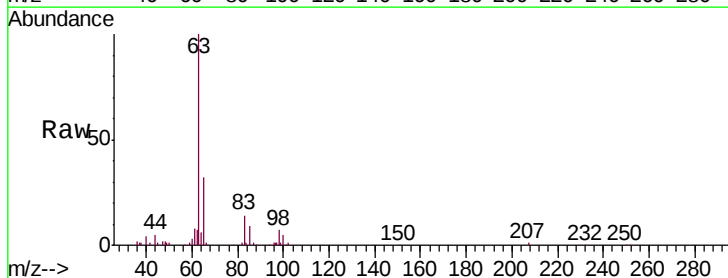
Instrument :
MSVOA_V
ClientSampleId :
BFB47

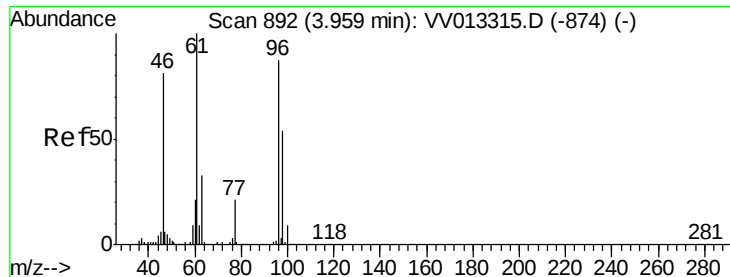
Tgt Ion: 84 Resp: 9480
Ion Ratio Lower Upper
84 100
86 63.3 46.2 85.8
49 112.3 76.4 141.8



#19
1,1-Dichloroethane
Concen: 1.059 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV013319.D
Acq: 24 Oct 2019 19:46

Tgt Ion: 63 Resp: 67250
Ion Ratio Lower Upper
63 100
65 31.9 23.0 42.8
83 14.2 10.2 19.0



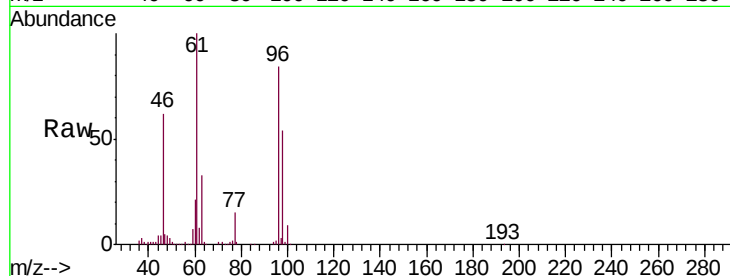


#22

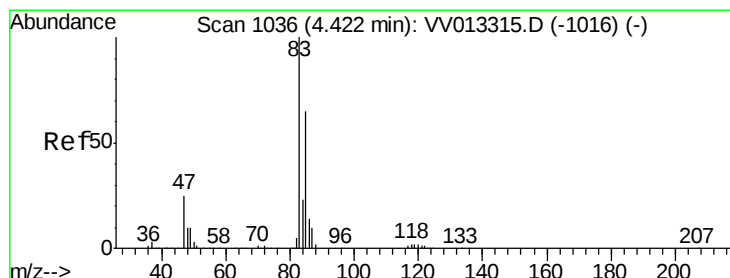
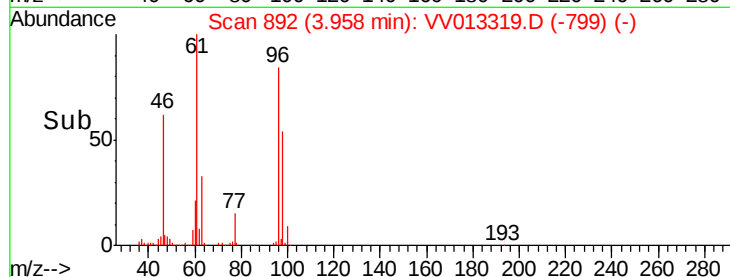
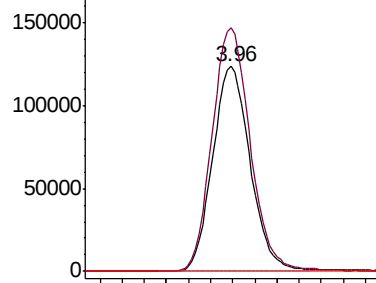
cis-1,2-Dichloroethene
 Concen: 6.980 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013319.D
 Acq: 24 Oct 2019 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB47

Tgt Ion: 96 Resp: 291853
 Ion Ratio Lower Upper
 96 100
 61 118.7 77.3 143.7
 68 0.0 0.1 0.1#



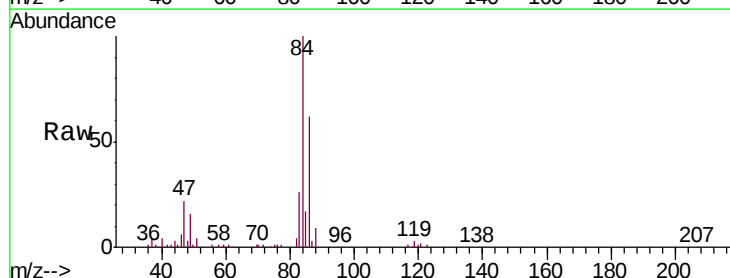
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



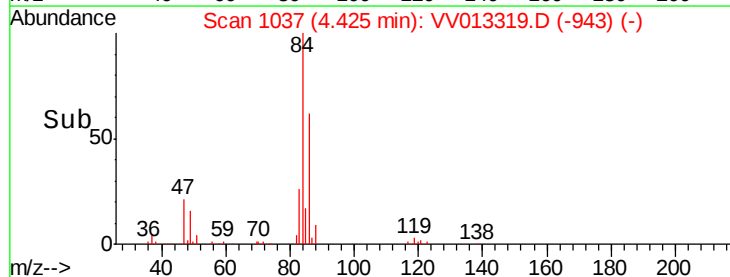
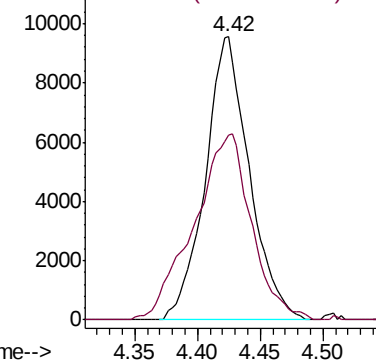
#25

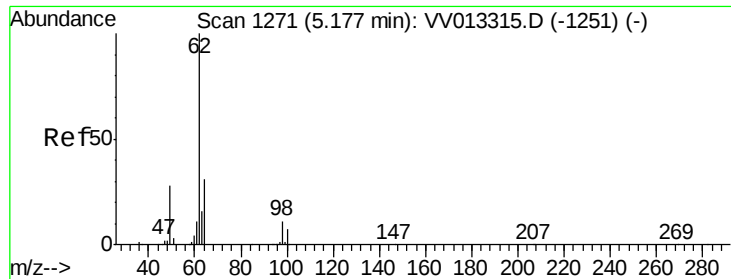
Chloroform
 Concen: 0.281 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV013319.D
 Acq: 24 Oct 2019 19:46

Tgt Ion: 83 Resp: 23251
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.081 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

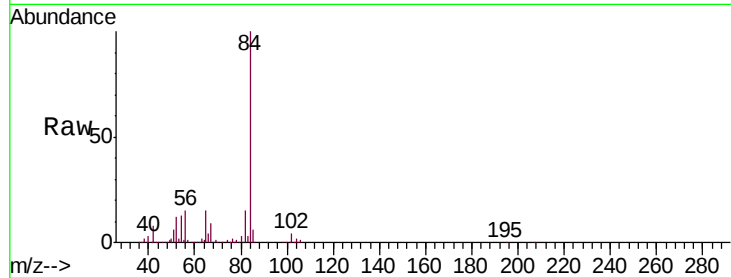
BFB47

Tgt Ion: 62 Resp: 3568

Ion Ratio Lower Upper

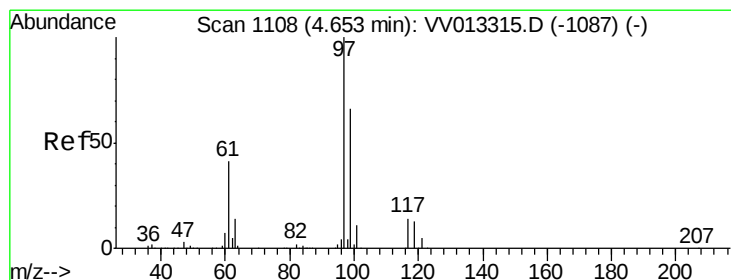
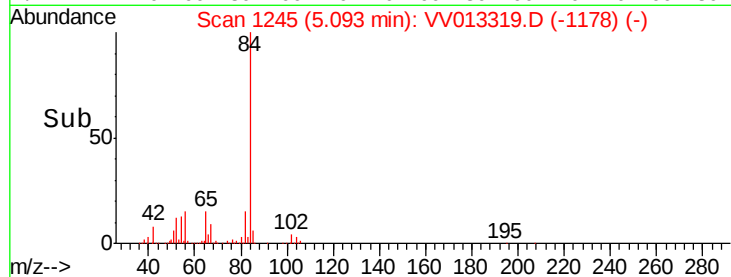
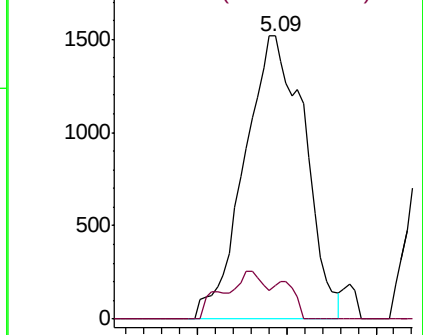
62 100

98 11.7 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.365 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

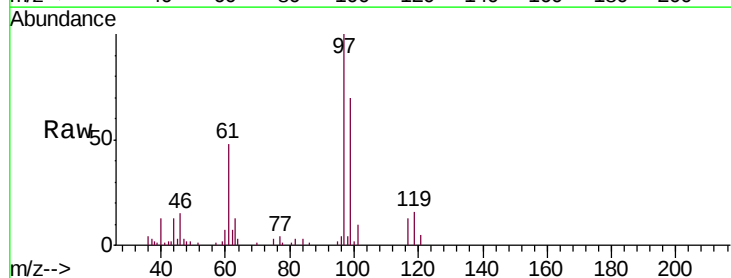
Tgt Ion: 97 Resp: 23742

Ion Ratio Lower Upper

97 100

99 69.0 51.7 77.5

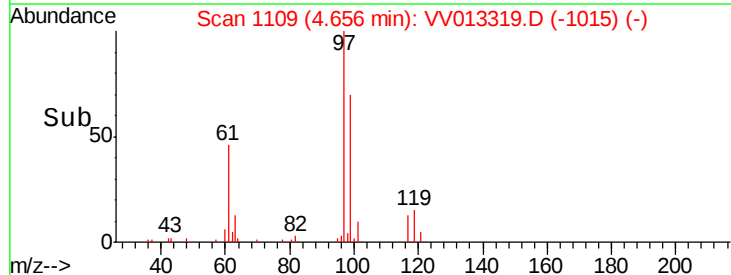
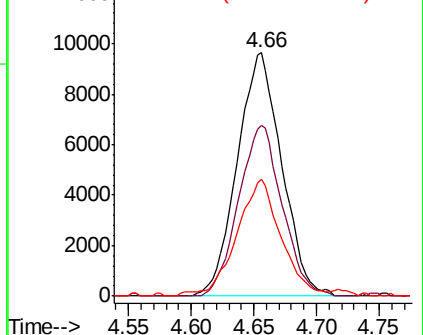
61 45.1 34.3 51.5

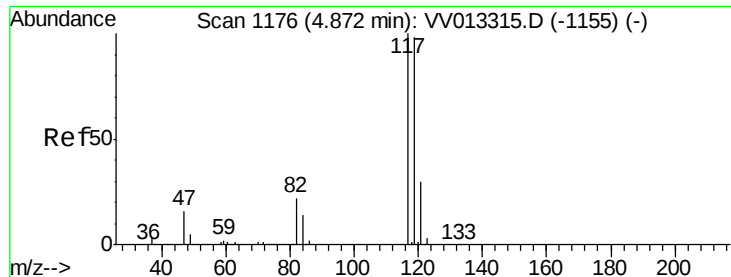


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 0.177 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

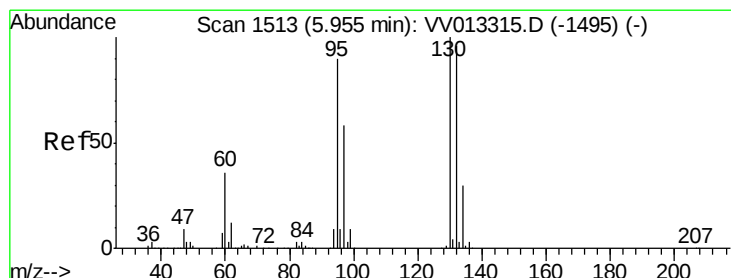
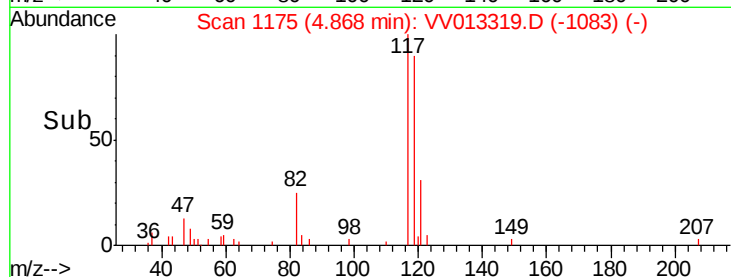
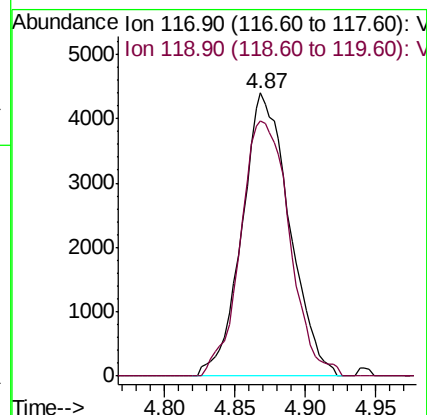
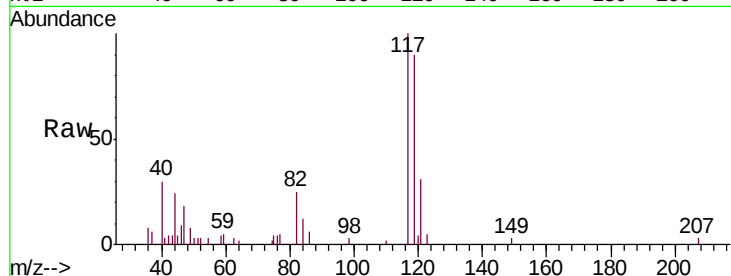
BFB47

Tgt Ion: 117 Resp: 10342

Ion Ratio Lower Upper

117 100

119 93.0 77.4 116.0



#34

Trichloroethene

Concen: 9.572 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Tgt Ion: 95 Resp: 431427

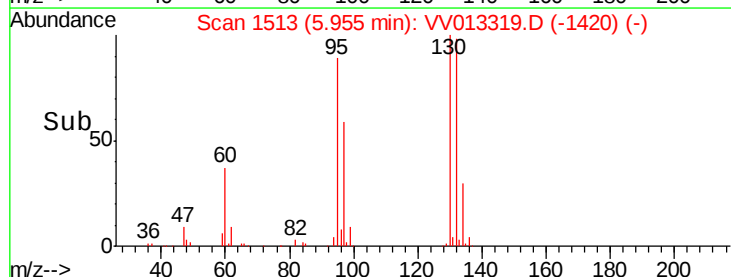
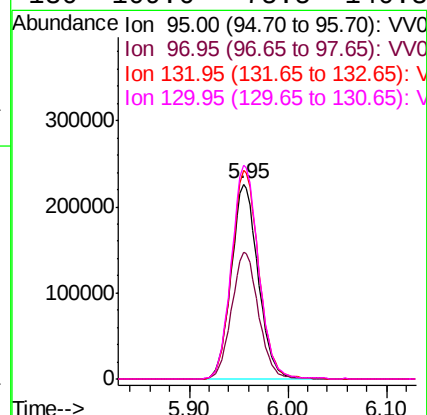
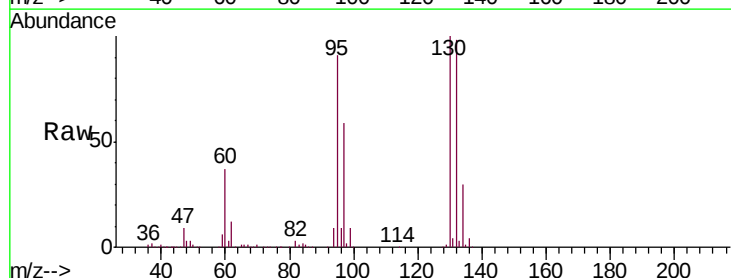
Ion Ratio Lower Upper

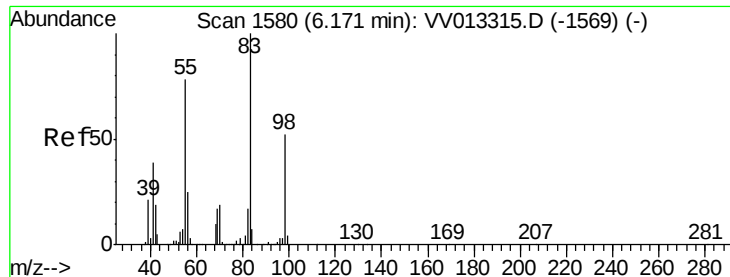
95 100

97 64.8 45.2 84.0

132 107.1 70.6 131.2

130 109.6 75.5 140.3

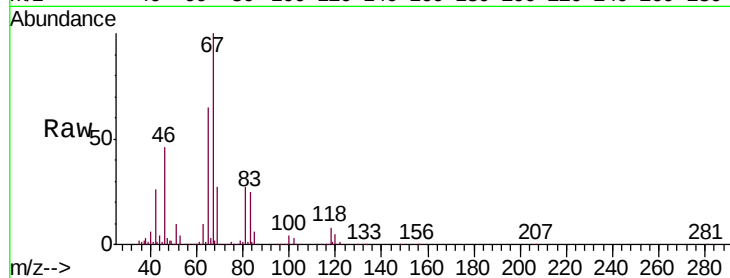




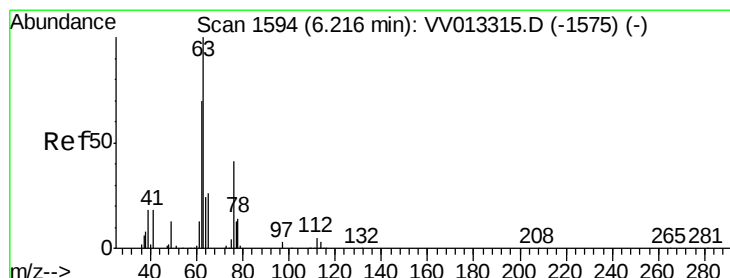
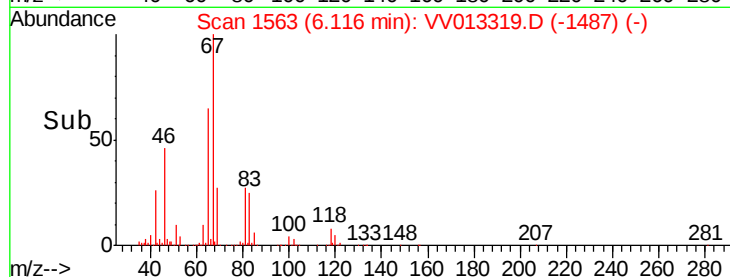
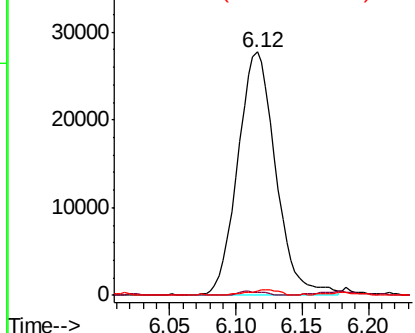
#35
Methylcyclohexane
Concen: 0.798 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013319.D
Acq: 24 Oct 2019 19:46

Instrument :
MSVOA_V
ClientSampleId :
BFB47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.0	62.4	93.6#
98	1.9	39.2	58.8#

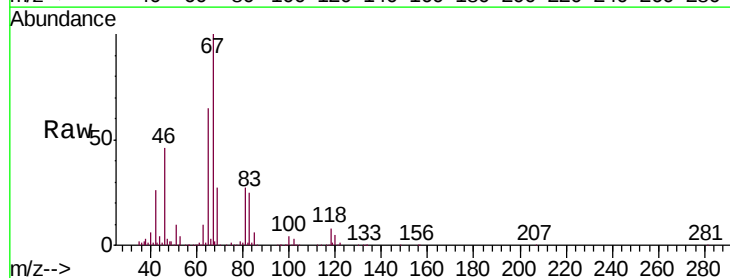


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

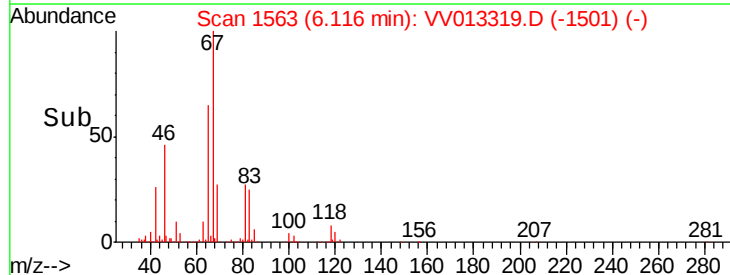
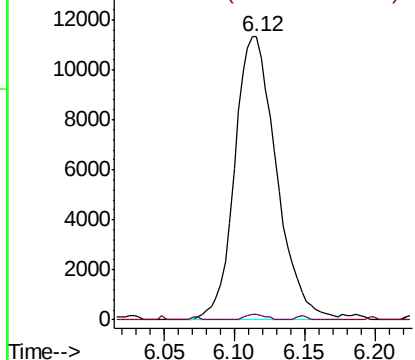


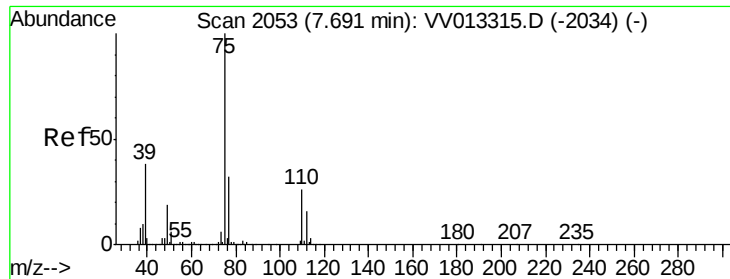
#37
1,2-Dichloropropane
Concen: 0.575 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013319.D
Acq: 24 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.9	4.1	6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

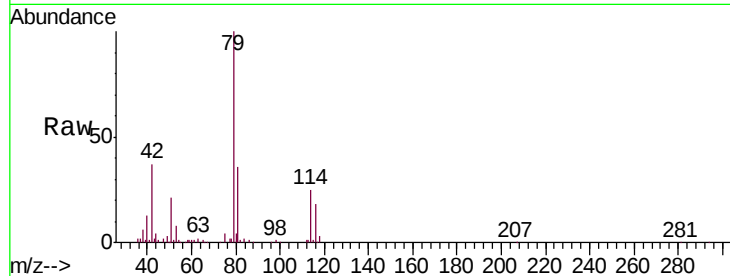
BFB47

Tgt Ion: 75 Resp: 2876

Ion Ratio Lower Upper

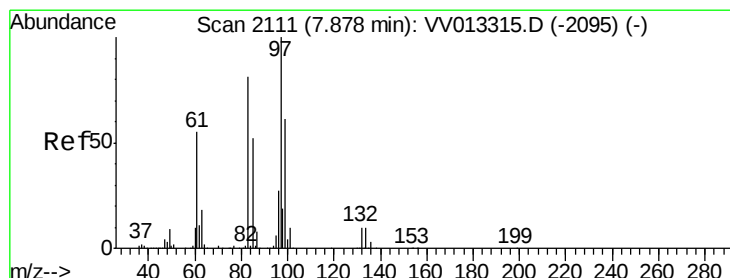
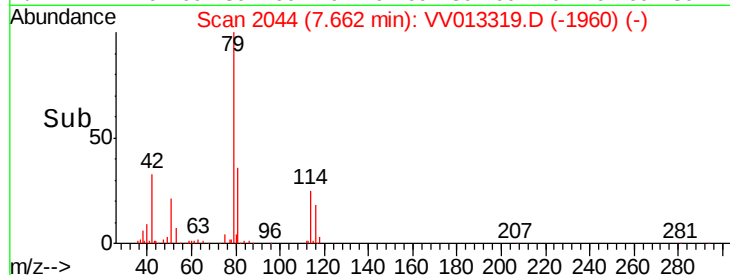
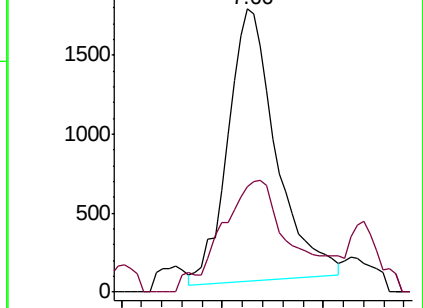
75 100

77 37.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.109 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Tgt Ion: 97 Resp: 3112

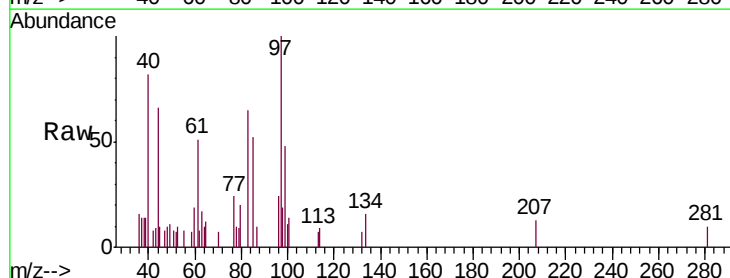
Ion Ratio Lower Upper

97 100

99 47.7 42.2 78.4

83 64.6 58.4 108.4

85 52.0 37.0 68.6

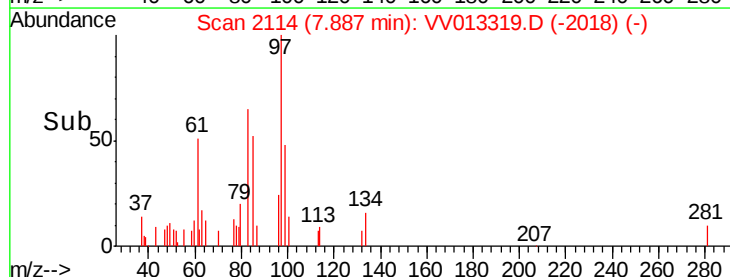
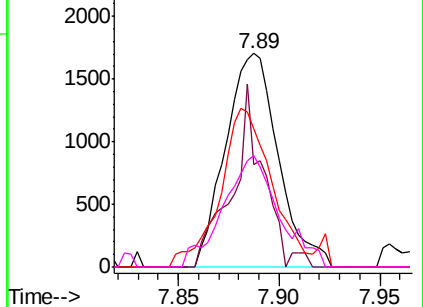


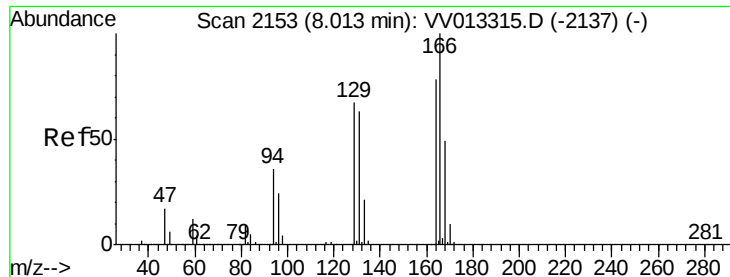
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

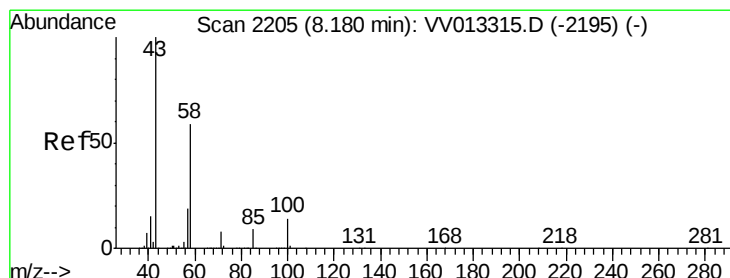
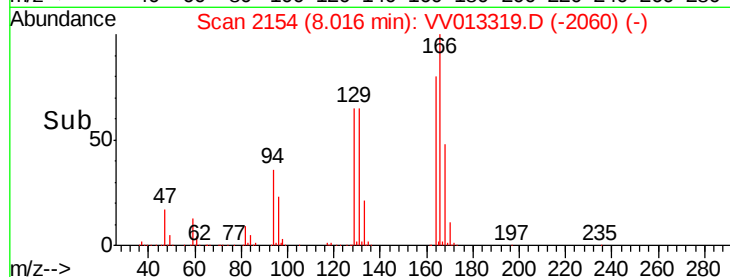
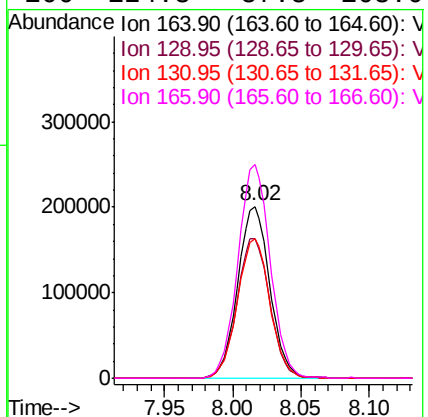
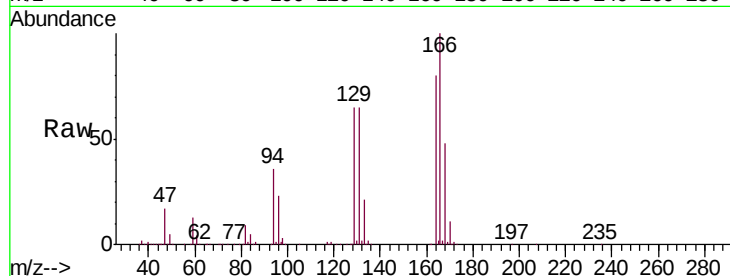




#47
Tetrachloroethene
Concen: 8.032 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013319.D
Acq: 24 Oct 2019 19:46

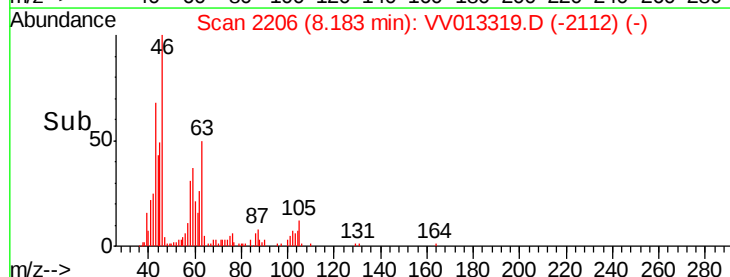
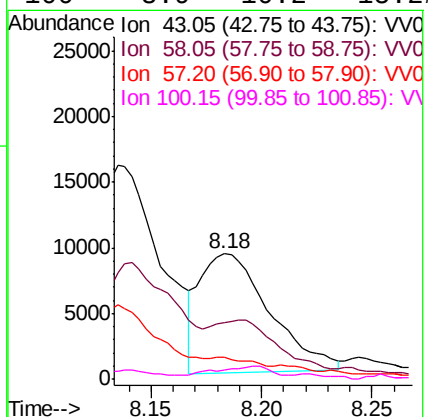
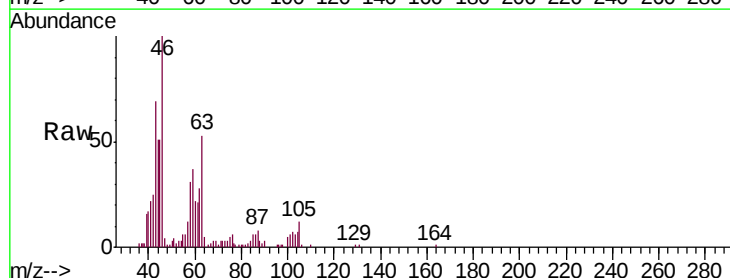
Instrument :
MSVOA_V
ClientSampleId :
BFB47

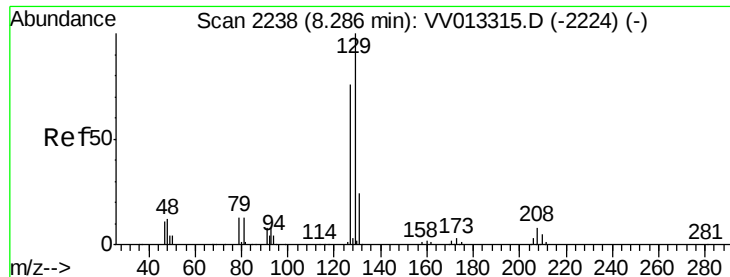
Tgt Ion:	164	Resp:	328753
Ion	Ratio	Lower	Upper
164	100		
129	81.3	61.0	113.2
131	81.2	57.5	106.9
166	124.3	87.8	163.0



#48
2-Hexanone
Concen: 1.340 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013319.D
Acq: 24 Oct 2019 19:46

Tgt Ion:	43	Resp:	19945
Ion	Ratio	Lower	Upper
43	100		
58	36.0	45.1	67.7#
57	0.0	15.5	23.3#
100	8.9	10.2	15.2#





#49

Dibromochloromethane

Concen: 7.291 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

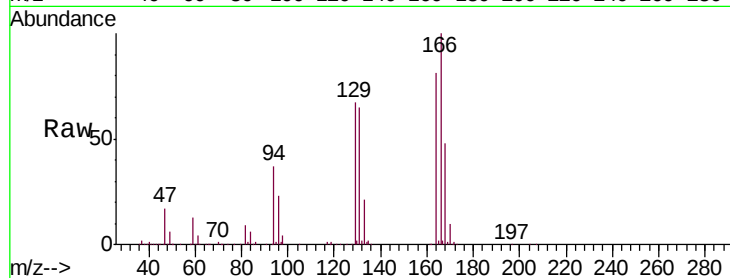
BFB47

Tgt Ion:129 Resp: 261563

Ion Ratio Lower Upper

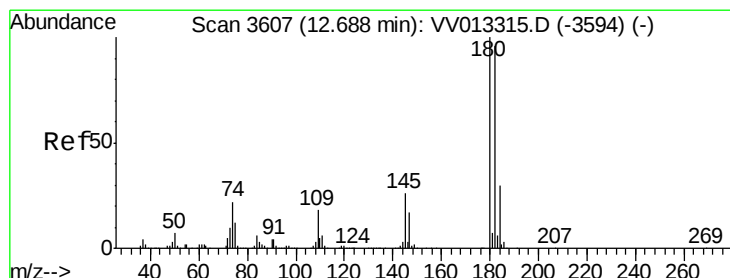
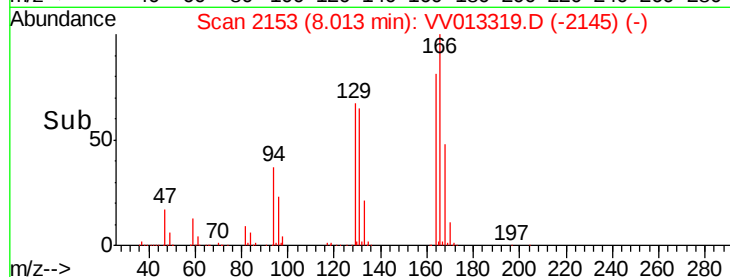
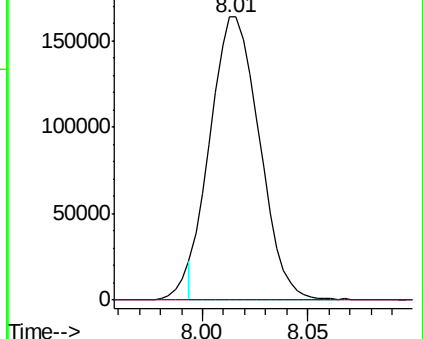
129 100

127 0.2 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#67

1,3,5-Trichlorobenzene

Concen: 0.061 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.01 min

Lab File: VV013319.D

Acq: 24 Oct 2019 19:46

Tgt Ion:180 Resp: 3706

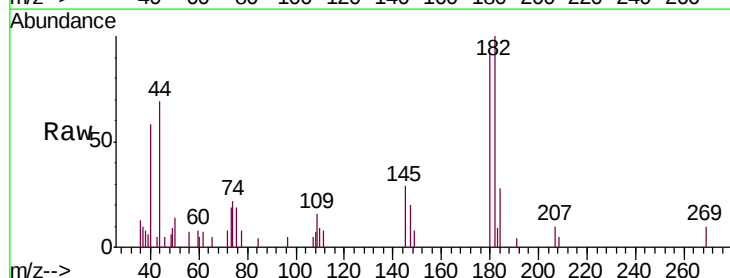
Ion Ratio Lower Upper

180 100

182 106.5 76.2 114.2

184 36.7 24.0 36.0#

145 29.1 21.8 32.8



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

