

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013114.D
 Acq On : 11 Oct 2019 21:07
 Operator : SY/MD
 Sample : MDL02 2.5PPB
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:29:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	715786	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	669215	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	278691	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	229238	50.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.34%
7) Chloroethane-d5	1.58	69	196317	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.86%
11) 1,1-Dichloroethene-d2	2.13	63	324485	38.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.04%
21) 2-Butanone-d5	3.92	46	356114	104.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.68%
24) Chloroform-d	4.40	84	441125	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	5.08	65	282641	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
32) Benzene-d6	5.10	84	938099	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
36) 1,2-Dichloropropane-d6	6.12	67	298450	53.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.70%
41) Toluene-d8	7.36	98	806700	50.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.98%
43) trans-1,3-Dichloropropene-	7.66	79	123848	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.74%
47) 2-Hexanone-d5	8.13	63	232087	104.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.27%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	357680	49.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.10%
64) 1,2-Dichlorobenzene-d4	11.67	152	307181	56.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	8844	1.593	ug/L	96
3) Chloromethane	1.25	50	10901	1.725	ug/L	98
5) Vinyl chloride	1.32	62	10664	1.757	ug/L #	52
6) Bromomethane	1.53	94	7148	2.302	ug/L	97
9) Trichlorofluoromethane	1.77	101	13035	1.674	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11045	2.408	ug/L #	76
12) 1,1-Dichloroethene	2.14	96	9932	2.237	ug/L #	1
14) Carbon disulfide	2.32	76	23885	1.855	ug/L	99
15) Methyl Acetate	2.46	43	8616	1.556	ug/L	96
16) Methylene chloride	2.54	84	9927	1.880	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	7986	1.658	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	22536	1.550	ug/L	98
19) 1,1-Dichloroethane	3.23	63	14432	1.589	ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	9248	1.697	ug/L	93
25) Chloroform	4.42	83	20995	2.294	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	12092	1.628	ug/L	100
31) Carbon tetrachloride	4.87	117	10419	1.579	ug/L	98

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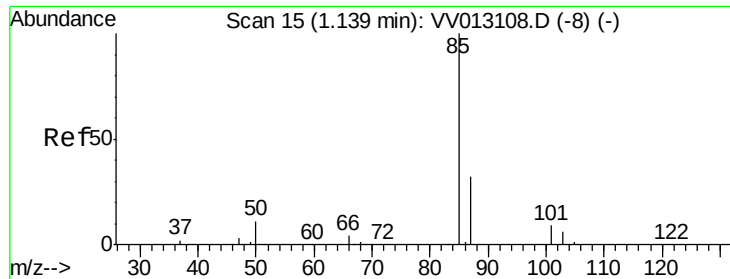
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:29:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

33) Benzene	5.15	78	31137	1.528	ug/L	100
34) Trichloroethene	5.96	95	9698	1.787	ug/L	95
37) 1,2-Dichloropropane	6.22	63	8685	1.645	ug/L #	93
38) Bromodichloromethane	6.56	83	10684	1.591	ug/L #	97
40) 4-Methyl-2-pentanone	7.27	43	20337	2.943	ug/L	95
42) Toluene	7.43	91	36009	1.716	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	8630	1.722	ug/L	94
46) Tetrachloroethene	8.02	164	7630	1.776	ug/L	90
48) 2-Hexanone	8.18	43	23630	4.423	ug/L	97
49) Dibromochloromethane	8.29	129	8205	1.502	ug/L	98
50) 1,2-Dibromoethane	8.40	107	8636	1.649	ug/L	83
51) Chlorobenzene	8.92	112	23223	1.688	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	13755	1.888	ug/L #	98
59) 1,2,3-Trichloropropane	10.31	75	11025	1.716	ug/L	96
61) Bromoform	9.77	173	5635	1.607	ug/L #	92
62) 1,3-Dichlorobenzene	11.22	146	15568	1.727	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	17547	1.939	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	17432	1.900	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	2321	1.739	ug/L #	74
67) 1,3,5-Trichlorobenzene	12.69	180	11626	1.809	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	9256	1.679	ug/L	96
69) Naphthalene	13.55	128	20764	1.367	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	9822	1.666	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 1.593 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

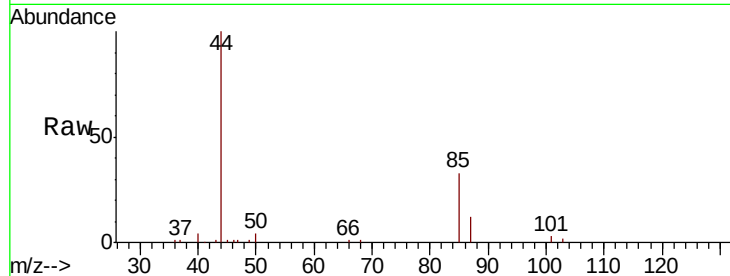
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 8844

Ion Ratio Lower Upper

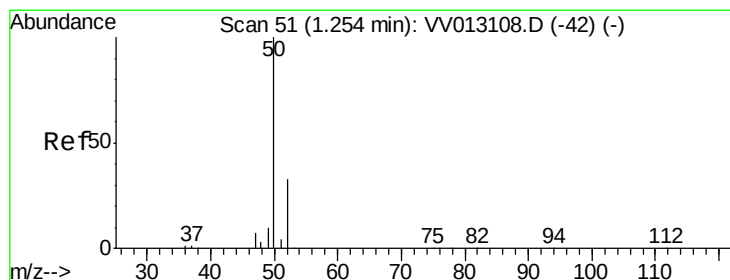
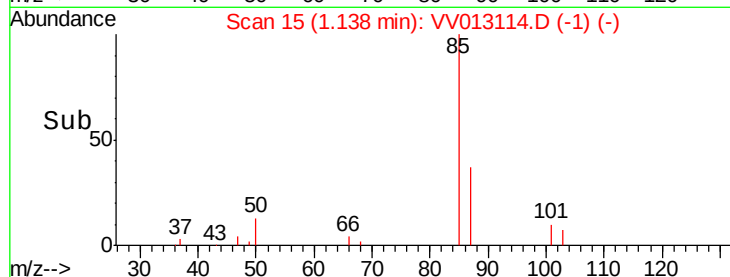
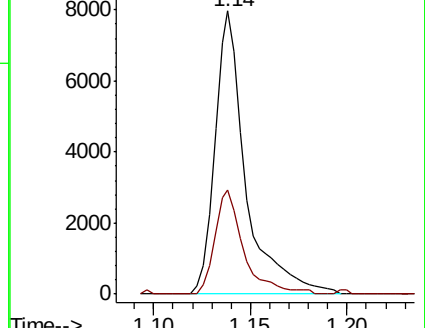
85 100

87 34.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013114.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013114.D (-1) (-)



#3

Chloromethane

Concen: 1.725 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013114.D

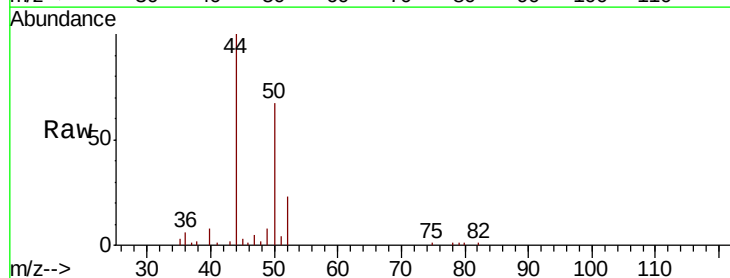
Acq: 11 Oct 2019 21:07

Tgt Ion: 50 Resp: 10901

Ion Ratio Lower Upper

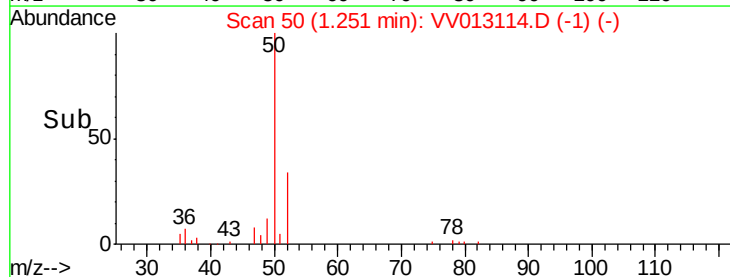
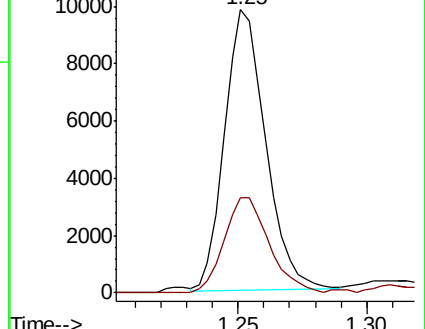
50 100

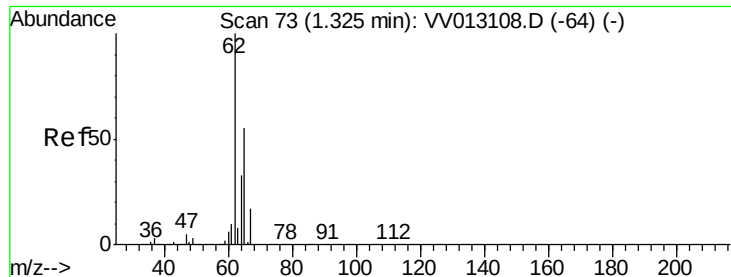
52 33.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013114.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV013114.D (-1) (-)





#5

Vinyl chloride

Concen: 1.757 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :

MSVOA_V

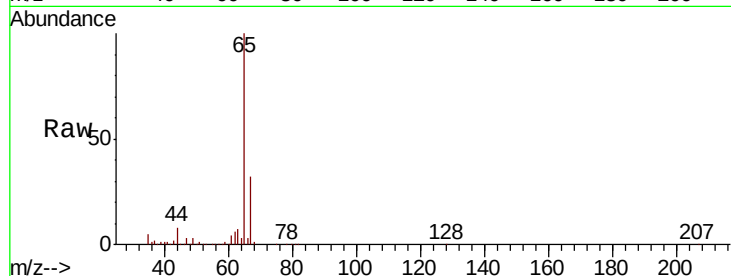
ClientSampleId :

Tot Ion: 62 Resp: 10664

Ion Ratio Lower Upper

62 100

64 59.5 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

12000

10000

8000

6000

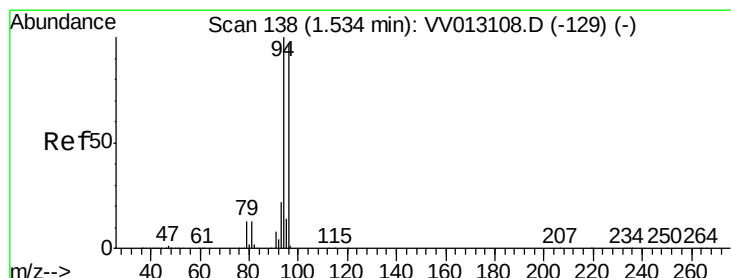
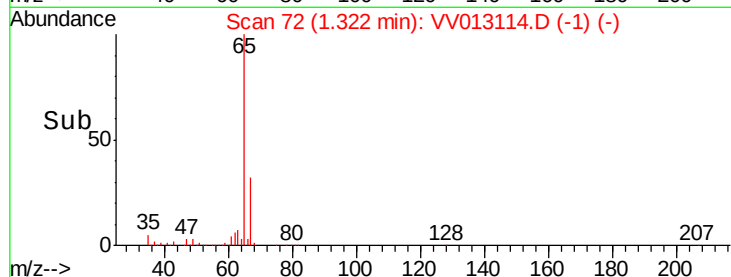
4000

2000

0

1.30 1.32 1.35

Time-->



#6

Bromomethane

Concen: 2.302 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV013114.D

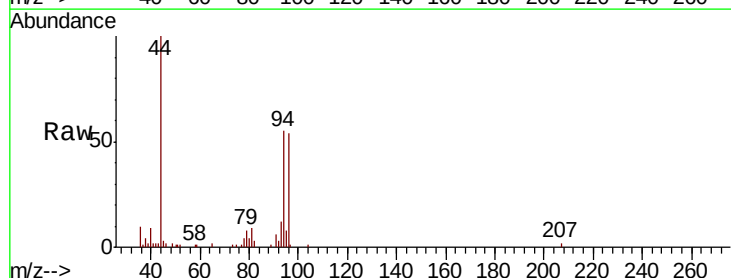
Acq: 11 Oct 2019 21:07

Tgt Ion: 94 Resp: 7148

Ion Ratio Lower Upper

94 100

96 99.7 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

6000

5000

4000

3000

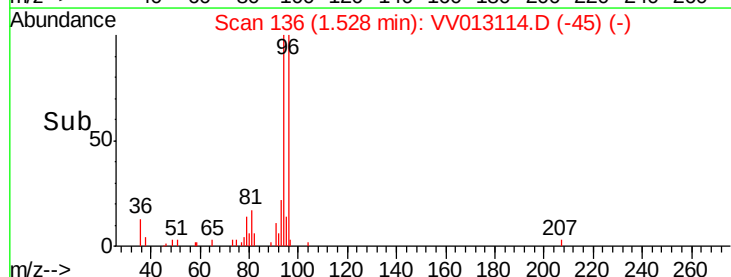
2000

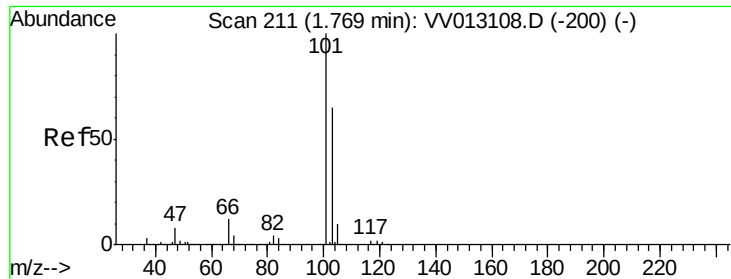
1000

0

1.50 1.53 1.60

Time-->



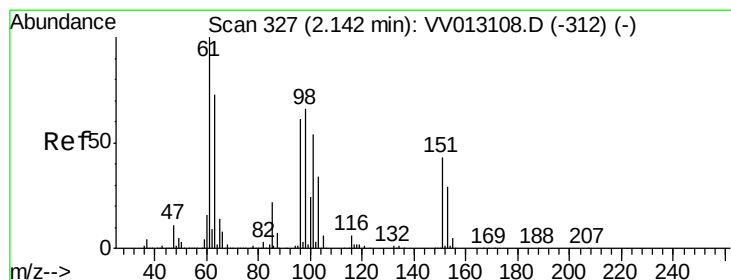
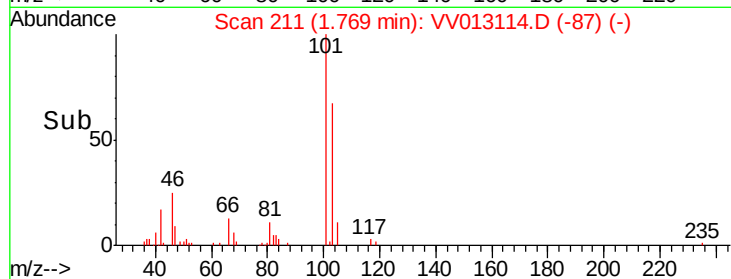
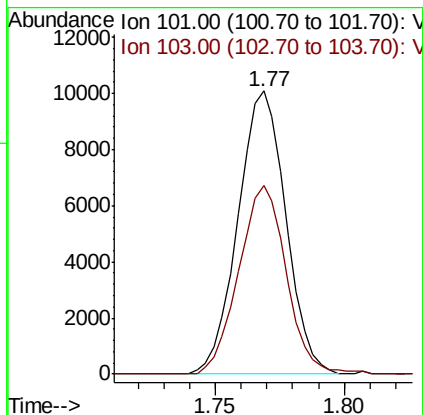
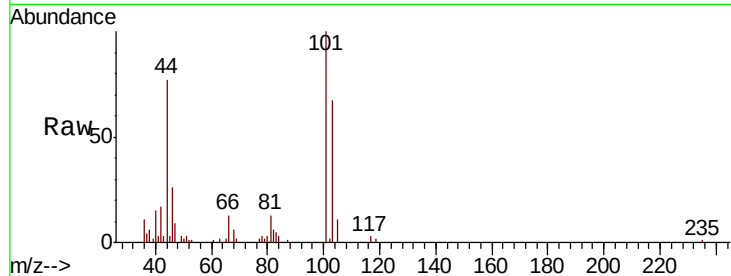


#9

Trichlorofluoromethane
 Concen: 1.674 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Instrument :
 MSVOA_V
 ClientSampleId :

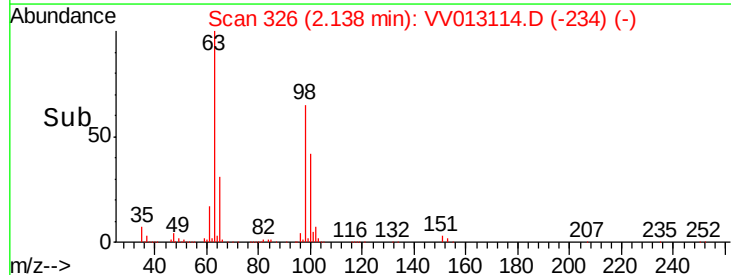
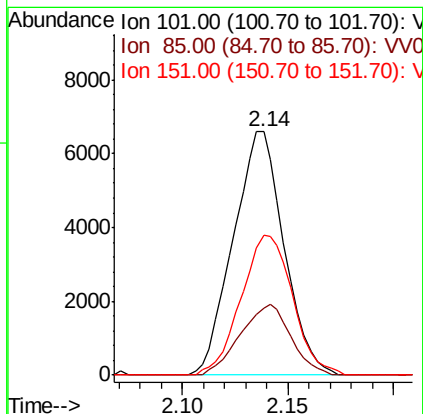
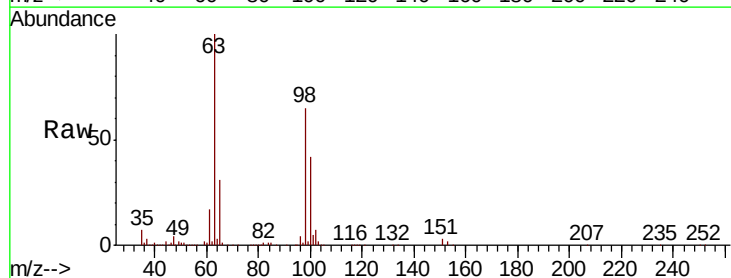
Tot Ion:101 Resp: 13035
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.3 76.9

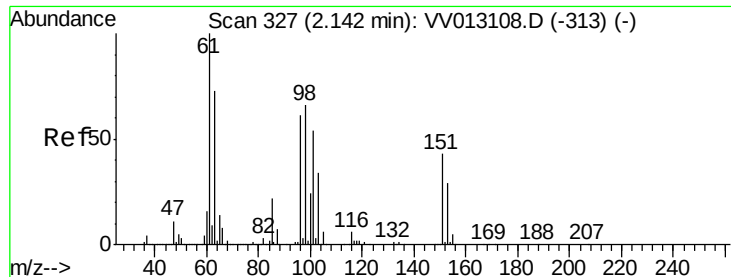


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.408 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion:101 Resp: 11045
 Ion Ratio Lower Upper
 101 100
 85 28.8 32.9 49.3#
 151 58.3 64.9 97.3#

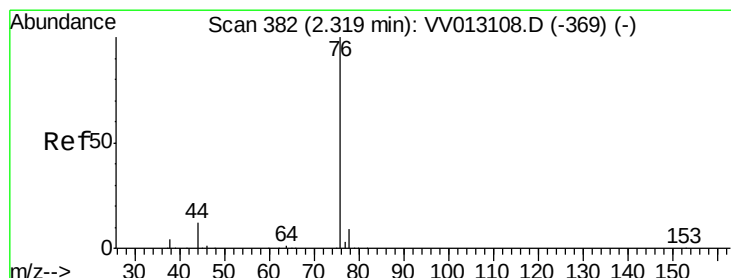
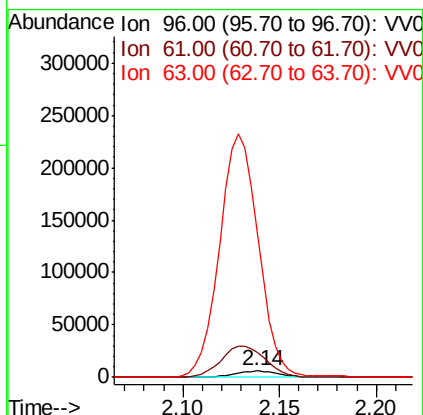
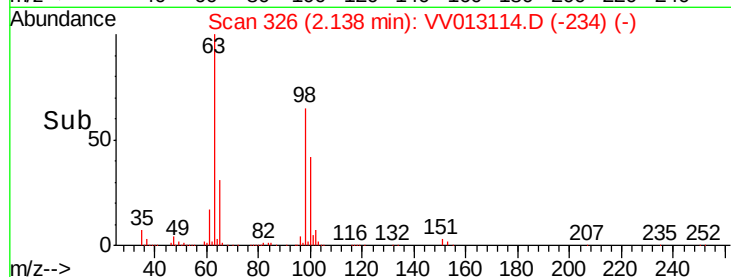
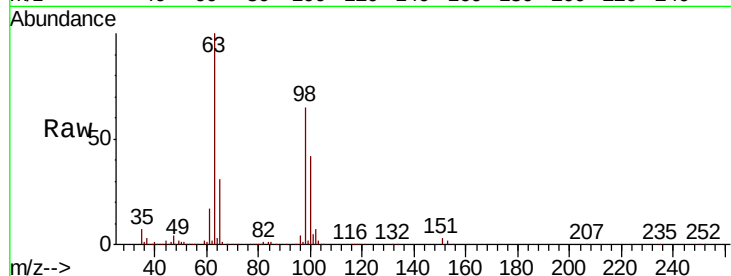




#12
 1,1-Dichloroethene
 Concen: 2.237 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

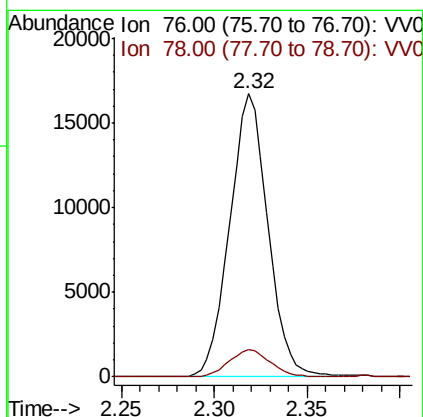
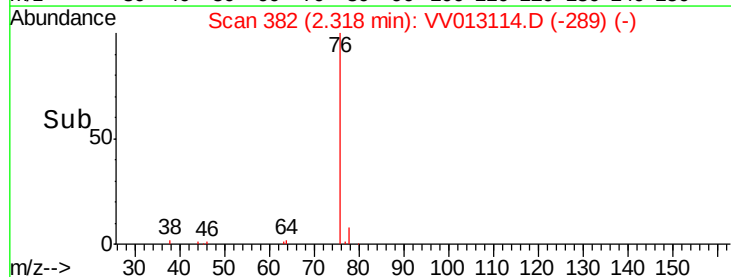
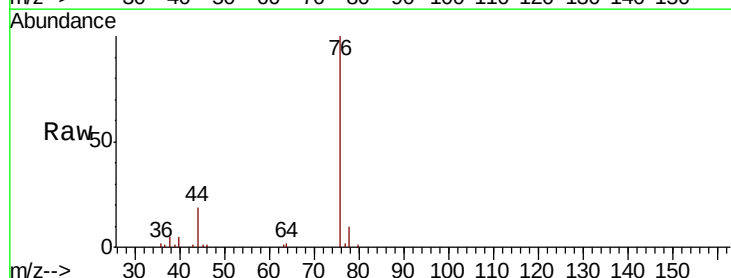
Instrument :
 MSVOA_V
 ClientSampled :

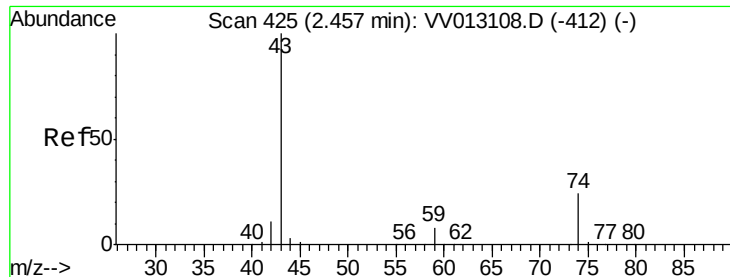
Tot Ion: 96 Resp: 9932
 Ion Ratio Lower Upper
 96 100
 61 388.8 115.7 214.9#
 63 2251.5 84.3 156.5#



#14
 Carbon disulfide
 Concen: 1.855 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion: 76 Resp: 23885
 Ion Ratio Lower Upper
 76 100
 78 9.5 7.3 10.9

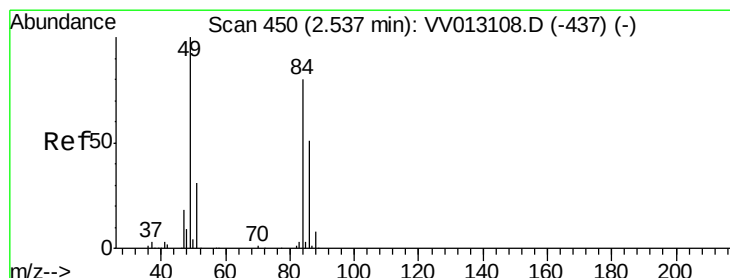
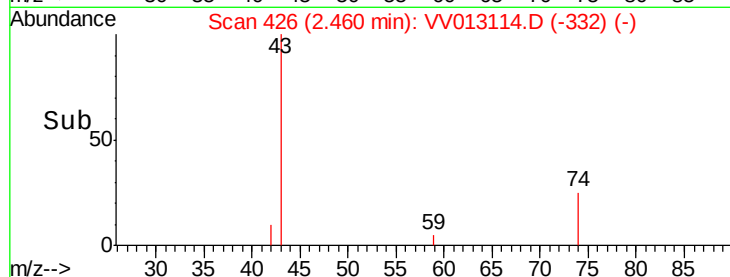
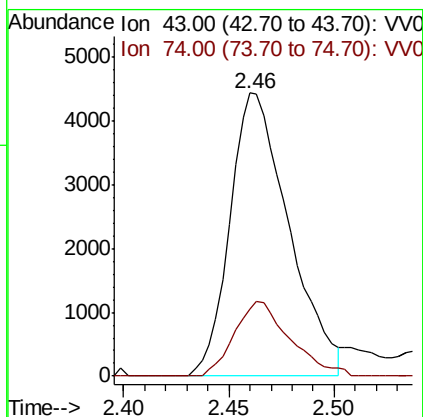
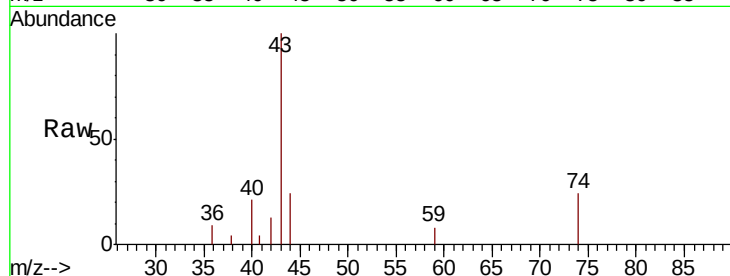




#15
Methvl Acetate
Concen: 1.556 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

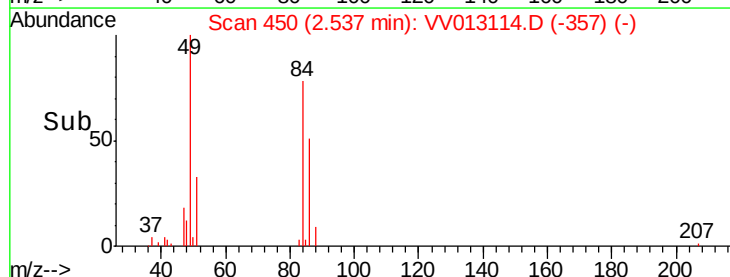
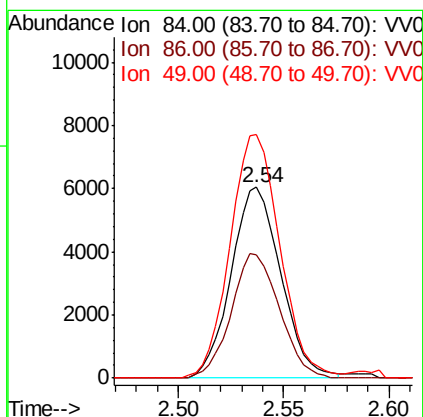
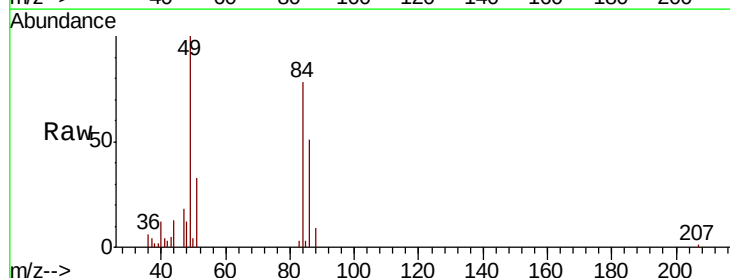
Instrument :
MSVOA_V
ClientSampleId :

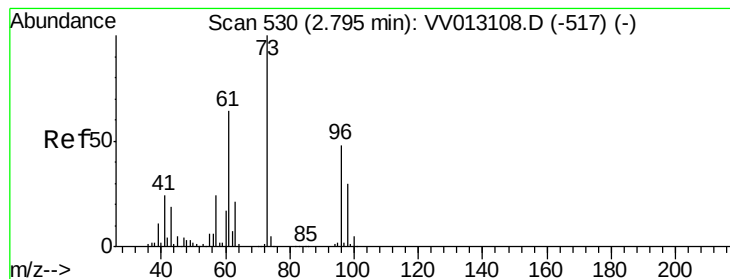
Tot Ion: 43 Resp: 8616
Ion Ratio Lower Upper
43 100
74 24.9 18.4 27.6



#16
Methylene chloride
Concen: 1.880 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 84 Resp: 9927
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.9
49 127.6 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 1.658 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :
MSVOA_V
ClientSampled :

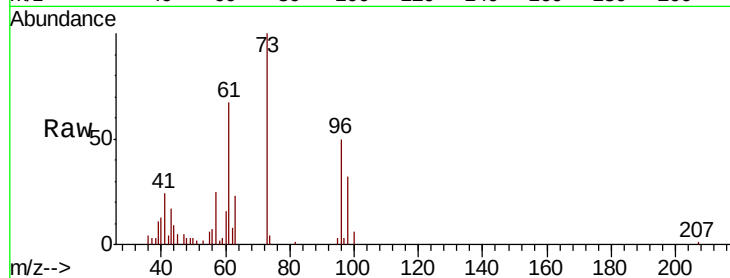
Tot Ion: 96 Resp: 7986

Ion Ratio Lower Upper

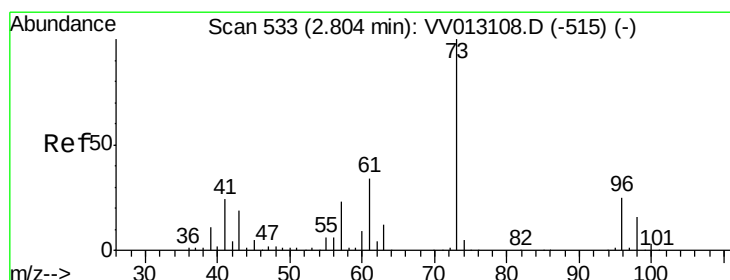
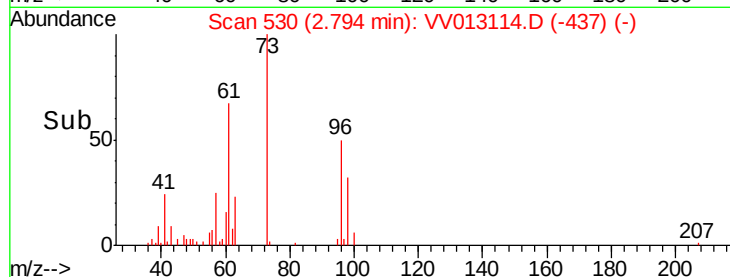
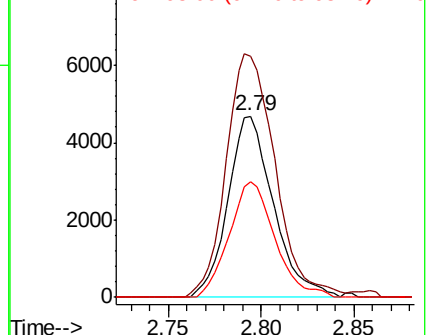
96 100

61 133.3 93.9 174.5

98 63.8 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 1.550 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

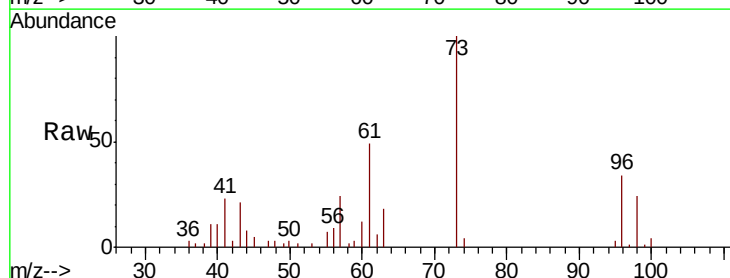
Tgt Ion: 73 Resp: 22536

Ion Ratio Lower Upper

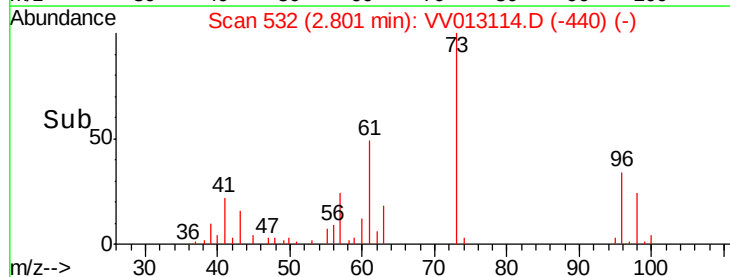
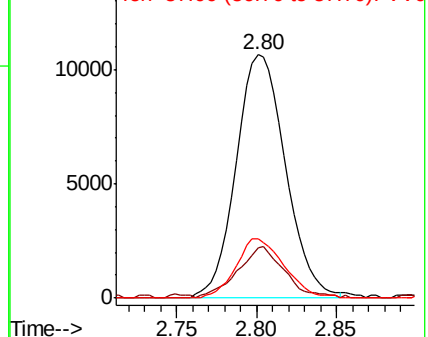
73 100

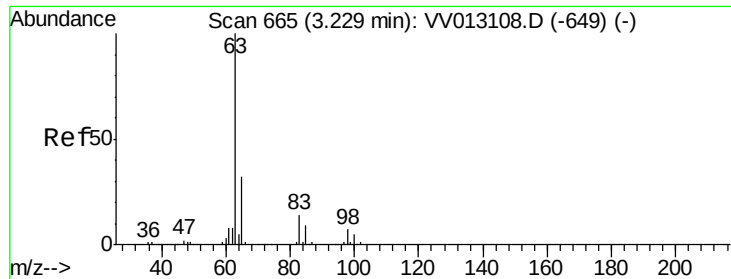
43 20.1 15.0 22.6

57 23.4 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

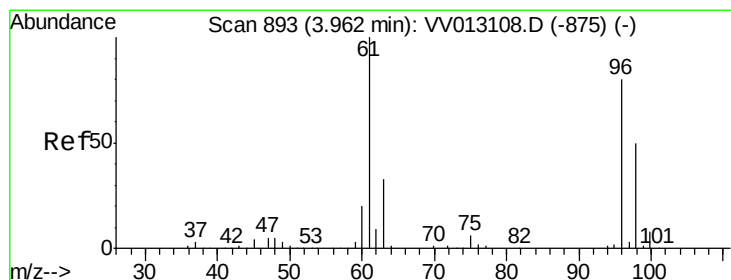
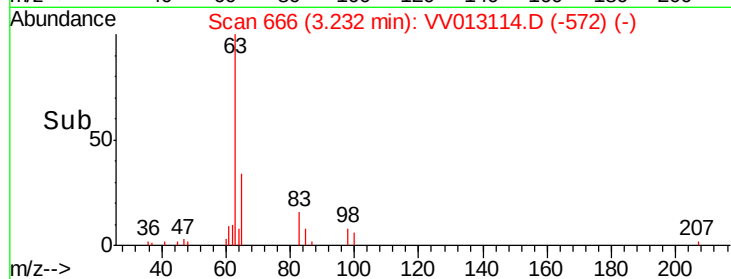
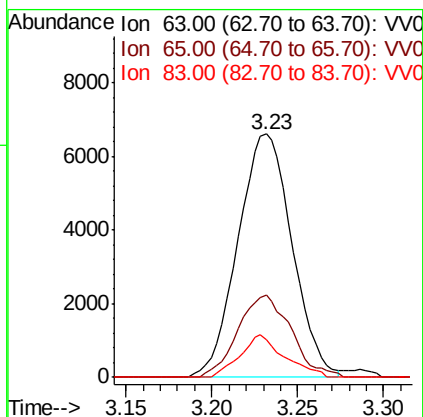
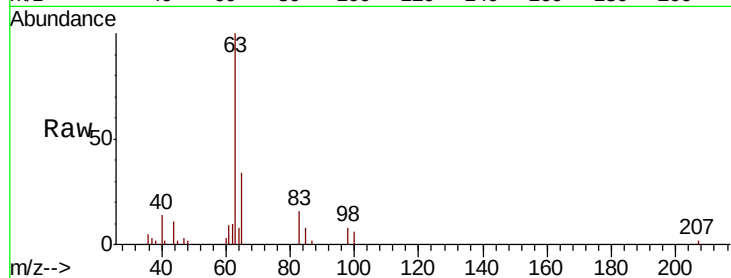




#19
 1,1-Dichloroethane
 Concen: 1.589 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

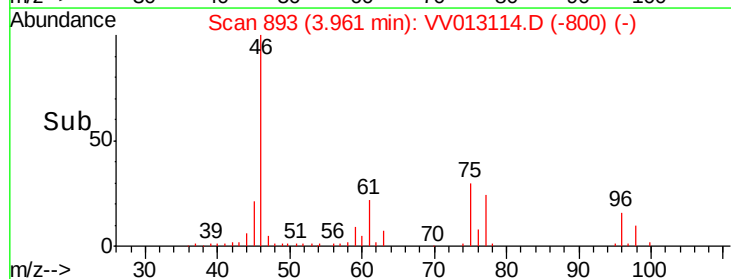
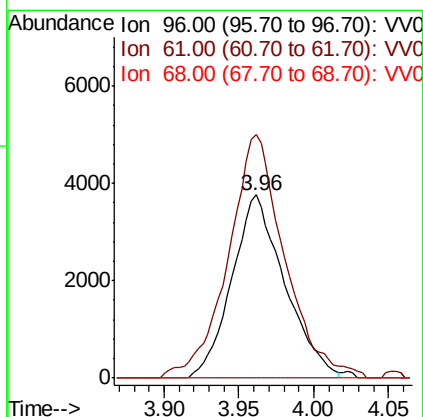
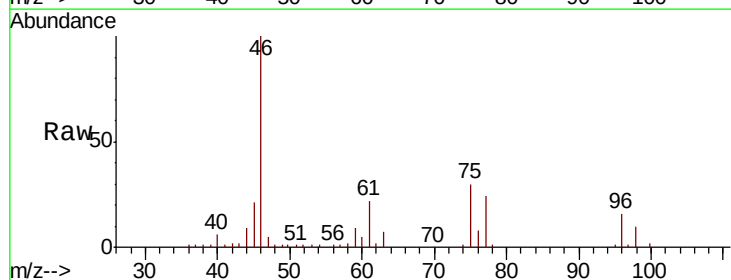
Instrument :
 MSVOA_V
 ClientSampleId :

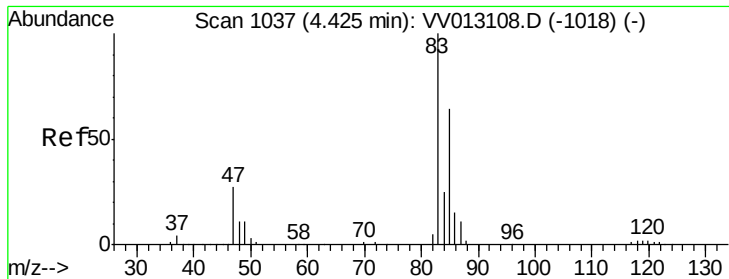
Tot Ion: 63 Resp: 14432
 Ion Ratio Lower Upper
 63 100
 65 33.8 22.1 41.1
 83 15.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 1.697 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion: 96 Resp: 9248
 Ion Ratio Lower Upper
 96 100
 61 133.1 87.5 162.5
 68 0.0 0.0 0.0

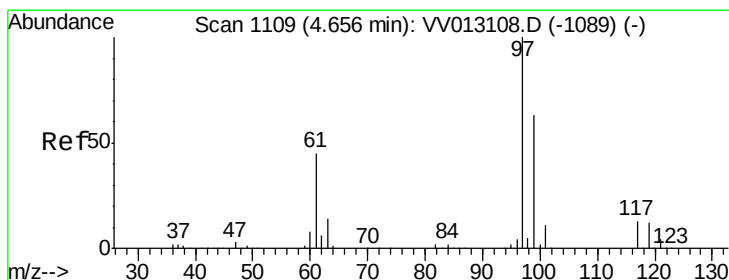
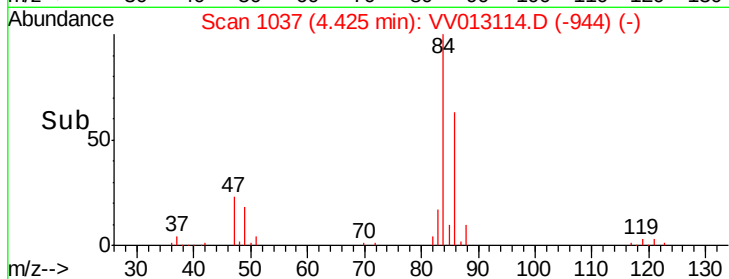
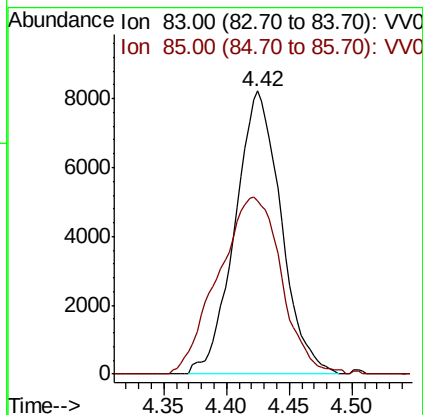
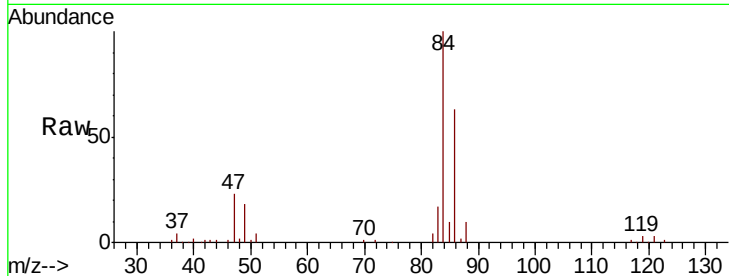




#25
Chloroform
Concen: 2.294 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

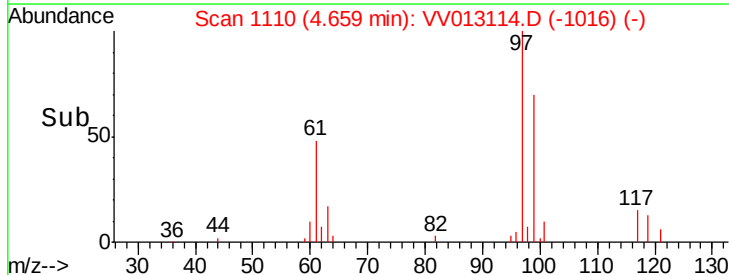
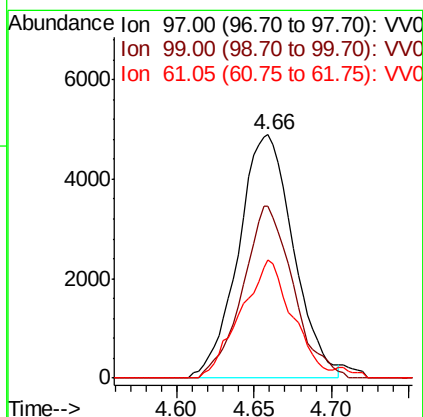
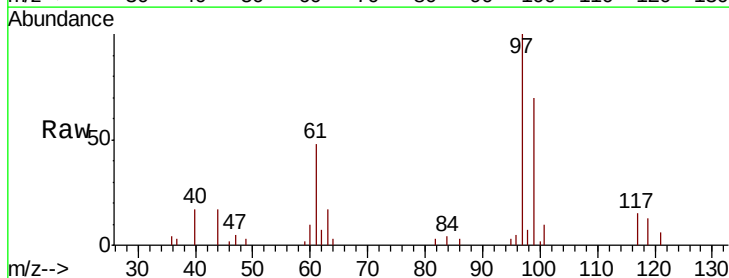
Instrument :
MSVOA_V
ClientSampleId :

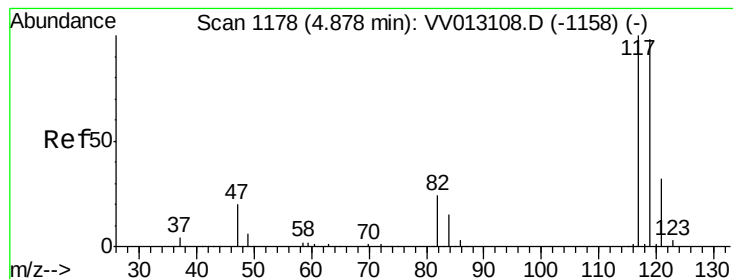
Tot Ion: 83 Resp: 20995
Ion Ratio Lower Upper
83 100
85 61.0 44.7 82.9



#30
1,1,1-Trichloroethane
Concen: 1.628 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 97 Resp: 12092
Ion Ratio Lower Upper
97 100
99 64.9 51.9 77.9
61 45.5 36.8 55.2





#31

Carbon tetrachloride

Concen: 1.579 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :

MSVOA_V

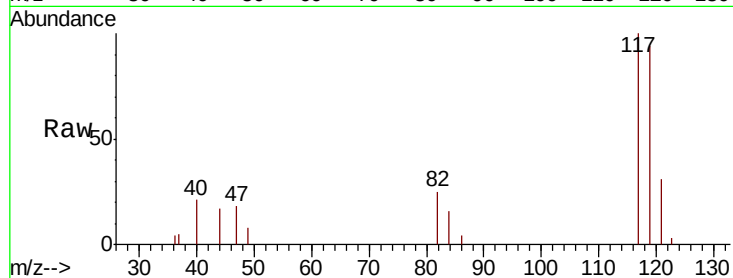
ClientSampleId :

Tot Ion:117 Resp: 10419

Ion Ratio Lower Upper

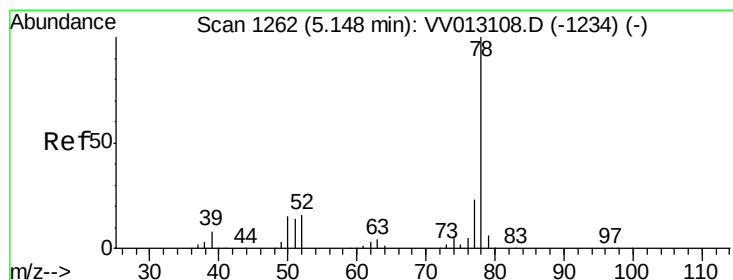
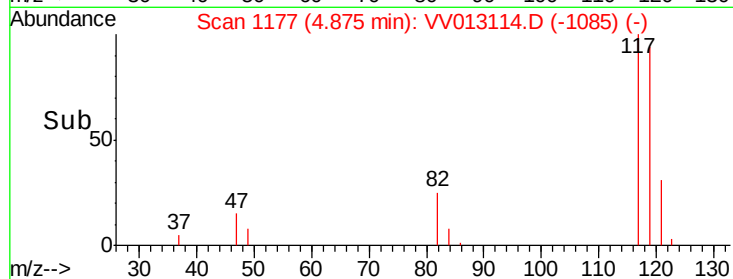
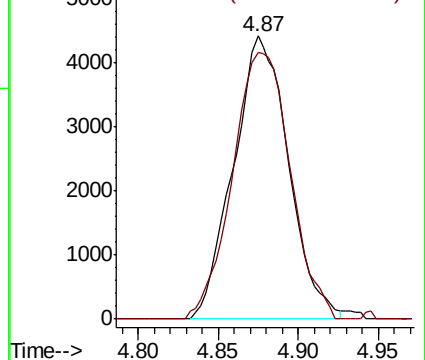
117 100

119 99.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.528 ug/L

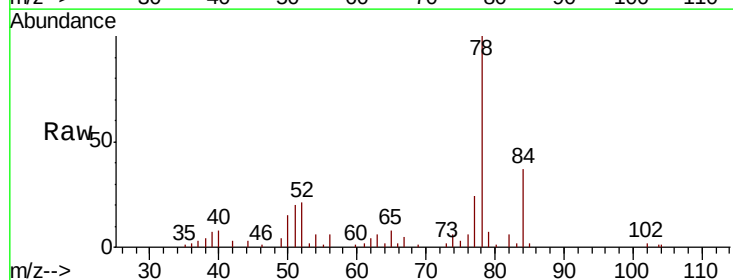
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

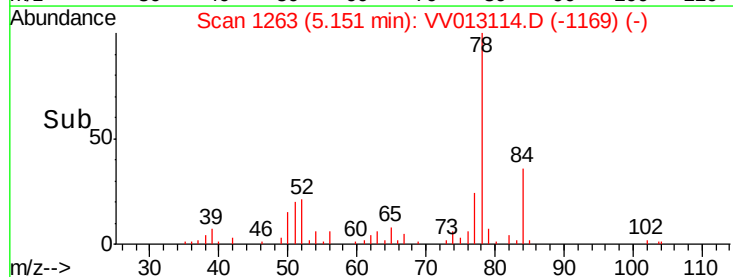
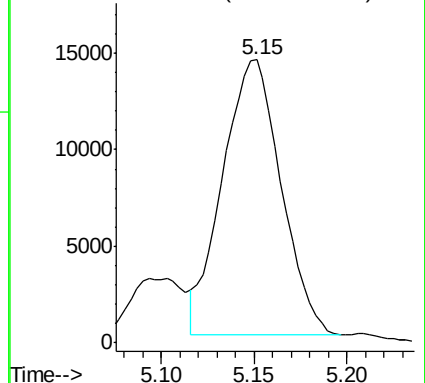
Lab File: VV013114.D

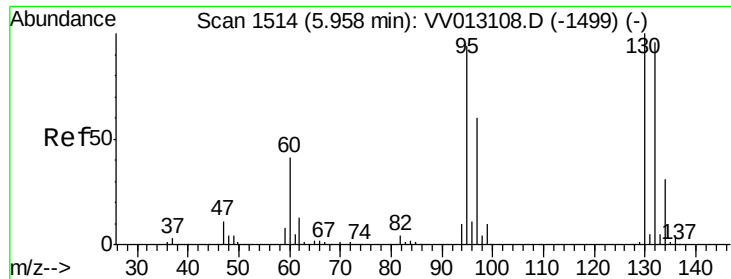
Acq: 11 Oct 2019 21:07

Tgt Ion: 78 Resp: 31137



Abundance Ion 78.00 (77.70 to 78.70): VV0

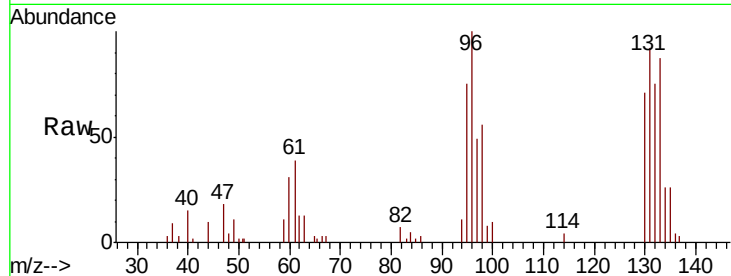




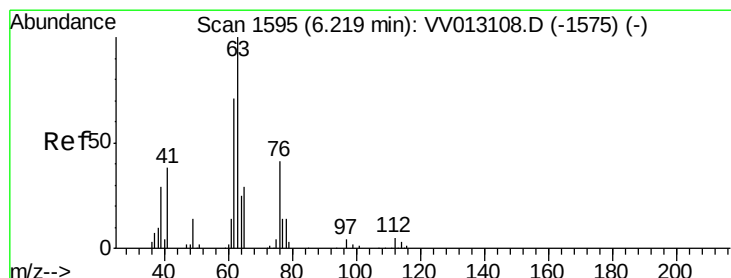
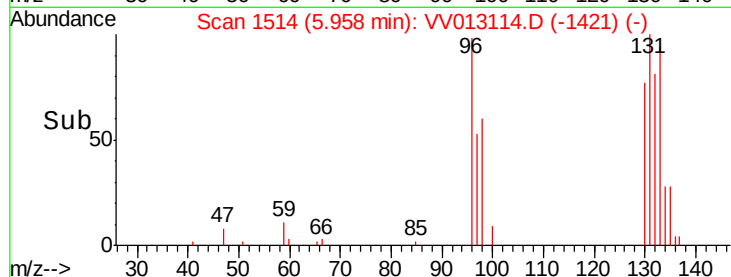
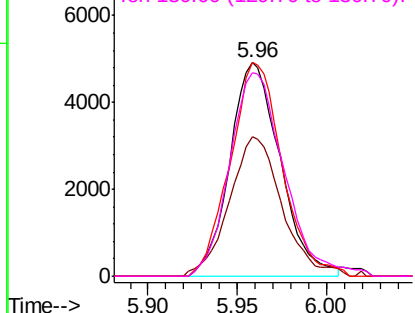
#34
 Trichloroethene
 Concen: 1.787 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 9698
 Ion Ratio Lower Upper
 95 100
 97 65.5 44.7 82.9
 132 100.2 71.4 132.6
 130 95.6 74.2 137.8

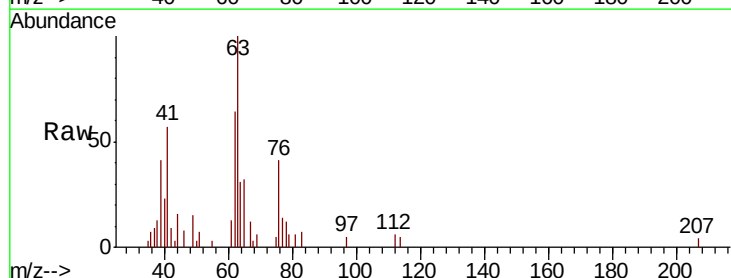


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

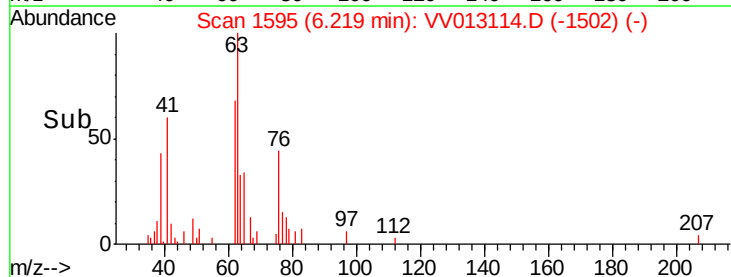
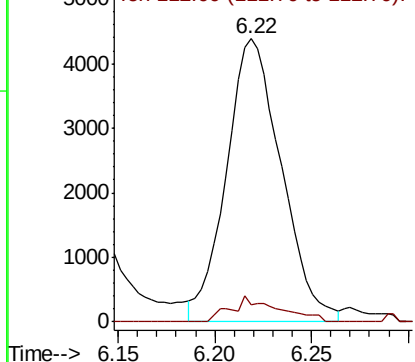


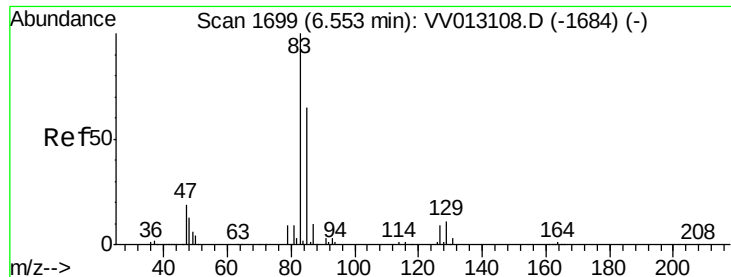
#37
 1,2-Dichloropropane
 Concen: 1.645 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion: 63 Resp: 8685
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 112.00 (111.70 to 112.70): VV0

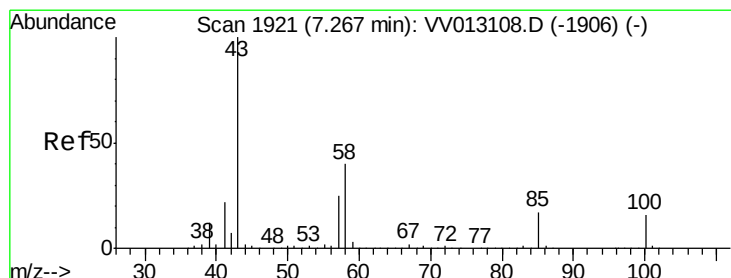
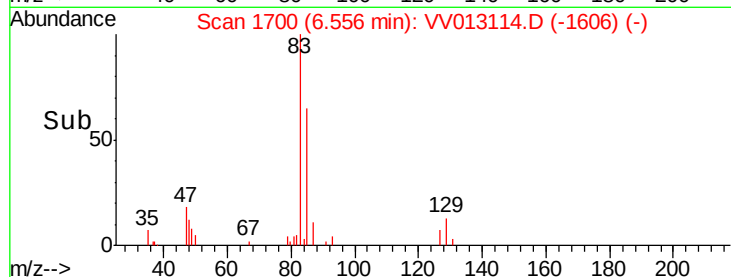
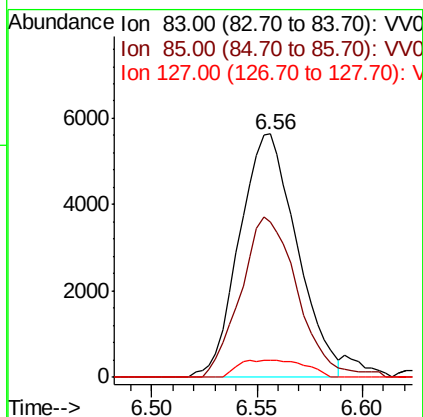
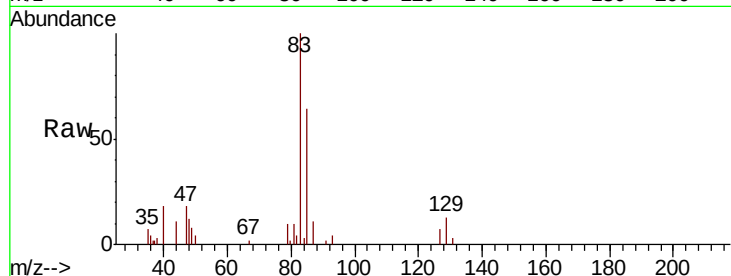




#38
 Bromodichloromethane
 Concen: 1.591 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

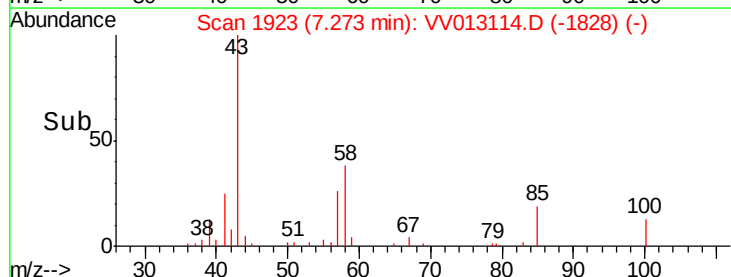
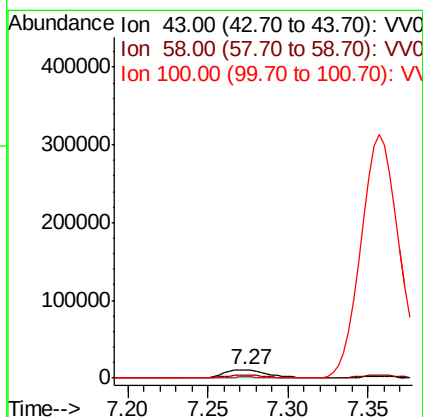
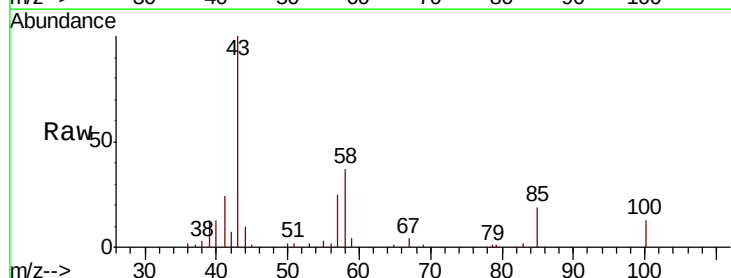
Instrument :
 MSVOA_V
 ClientSampleId :

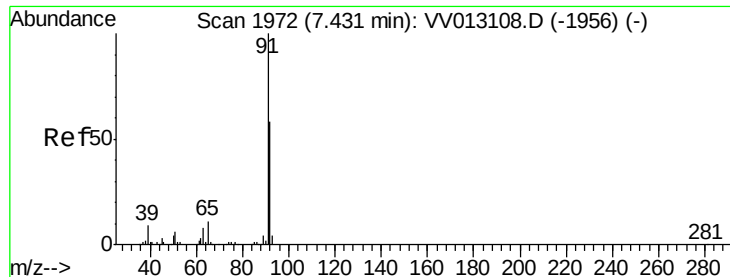
Tot Ion: 83 Resp: 10684
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.8 85.0
 127 7.2 7.4 11.0#



#40
 4-Methyl-2-pentanone
 Concen: 2.943 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 20337
 Ion Ratio Lower Upper
 43 100
 58 37.3 32.0 48.0
 100 13.4 12.7 19.1





#42

Toluene

Concen: 1.716 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

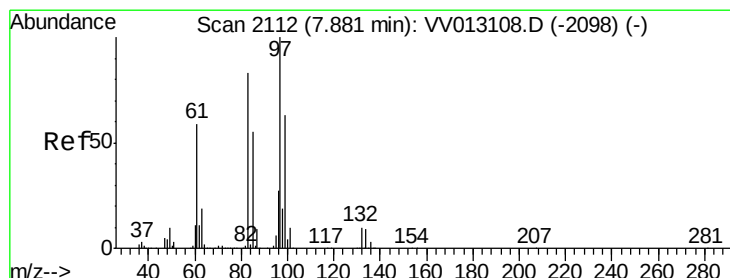
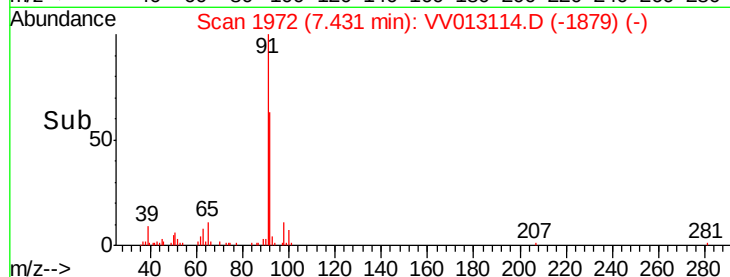
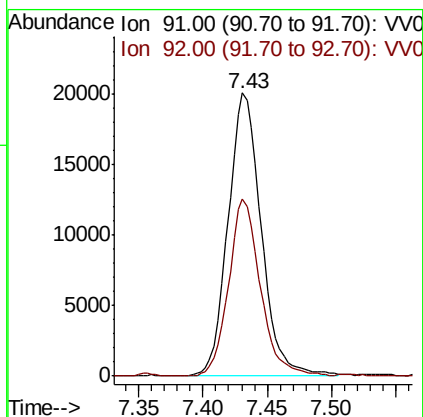
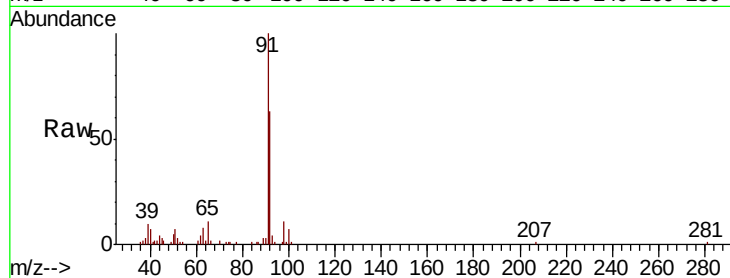
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 36009

Ion Ratio Lower Upper

91 100

92 62.7 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 1.722 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Tgt Ion: 97 Resp: 8630

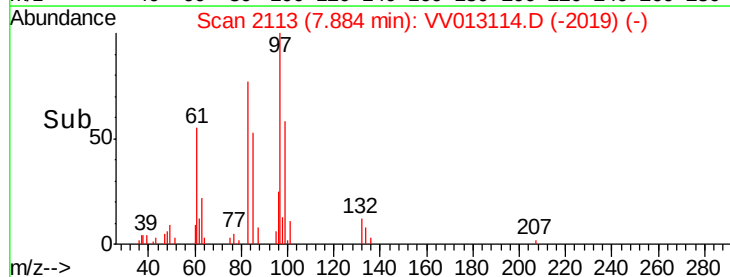
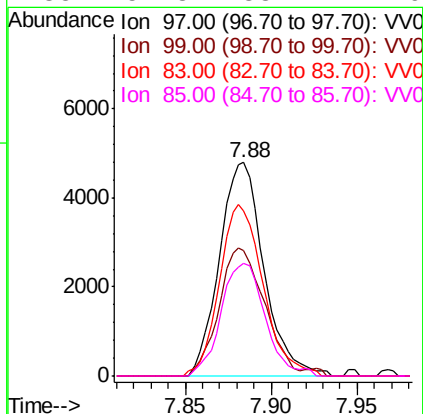
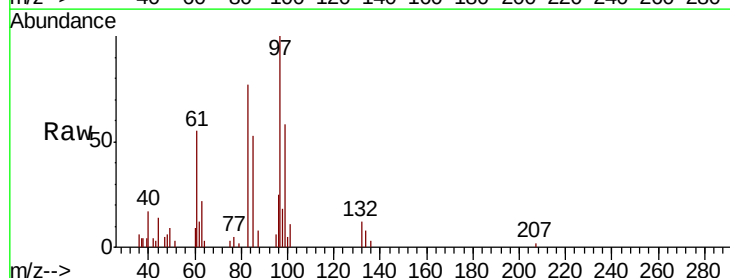
Ion Ratio Lower Upper

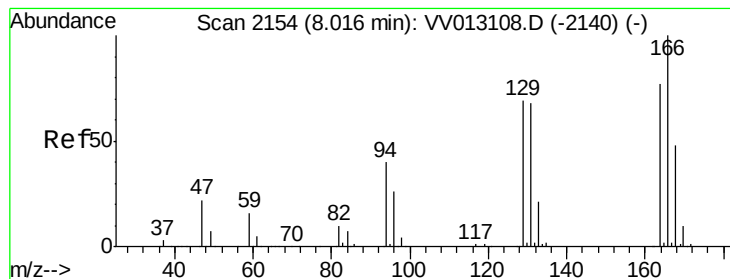
97 100

99 58.5 44.4 82.5

83 77.1 58.2 108.0

85 52.8 38.7 71.9





#46

Tetrachloroethene

Concen: 1.776 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 7630

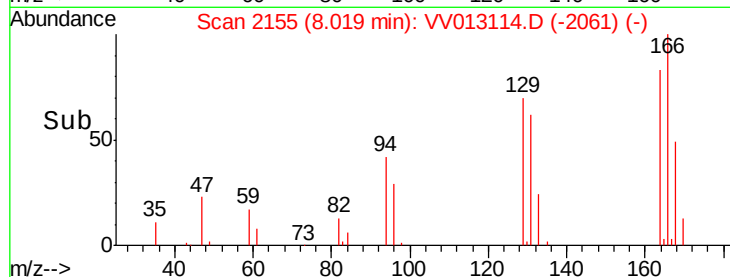
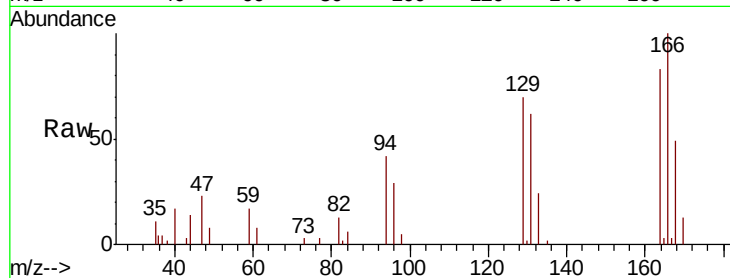
Ion Ratio Lower Upper

164 100

129 84.5 63.1 117.1

131 74.8 62.4 116.0

166 120.3 91.3 169.6



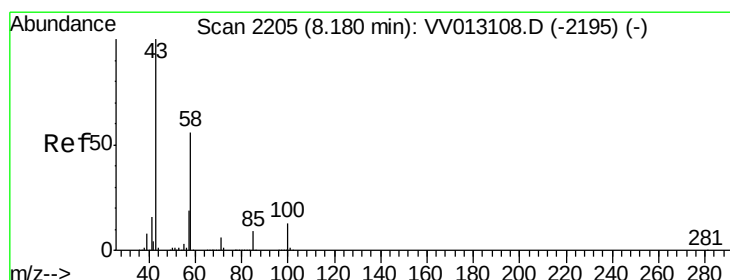
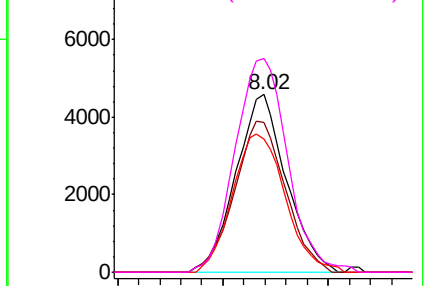
Abundance

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: 4.423 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 23630

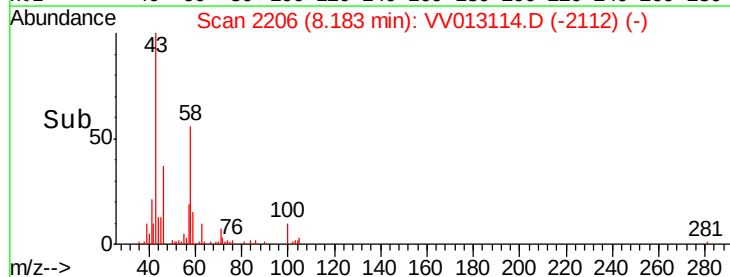
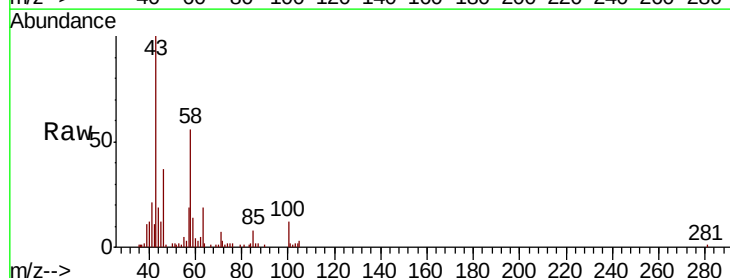
Ion Ratio Lower Upper

43 100

58 53.3 44.9 67.3

57 20.1 15.0 22.6

100 12.9 10.2 15.2



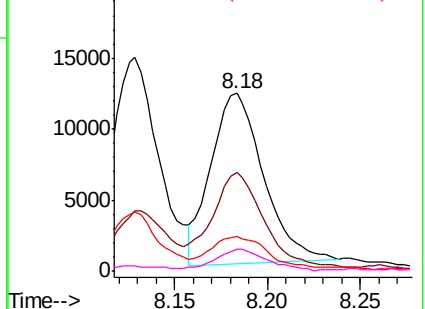
Abundance

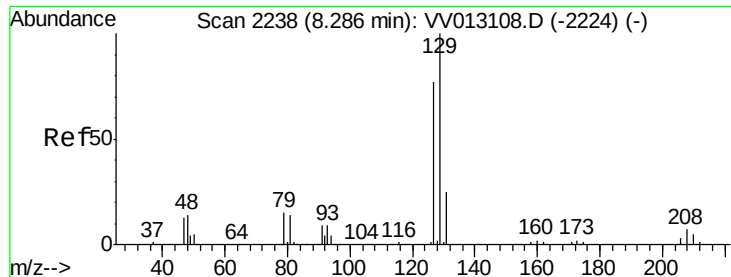
Ion 43.00 (42.70 to 43.70): VV0

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: 1.502 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

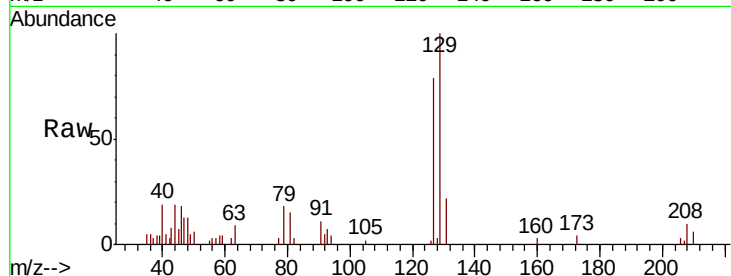
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 8205

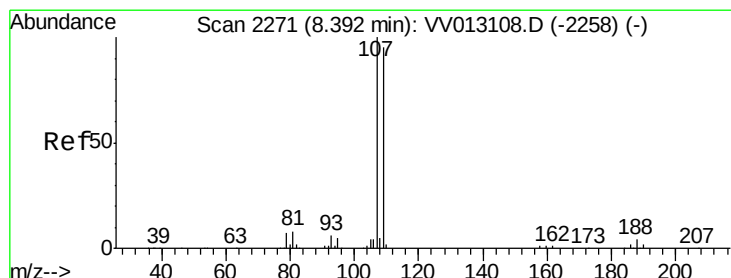
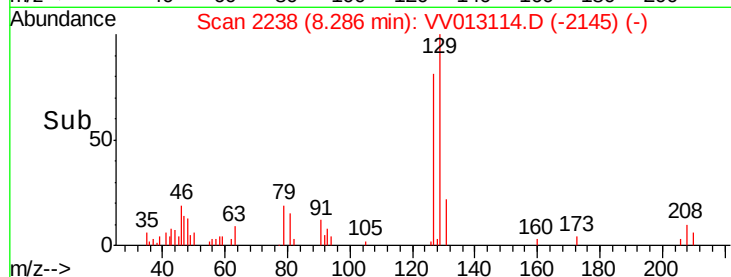
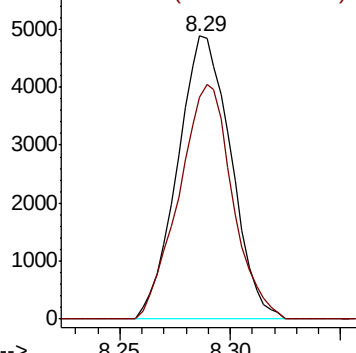
Ion Ratio Lower Upper

129 100

127 78.5 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.649 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

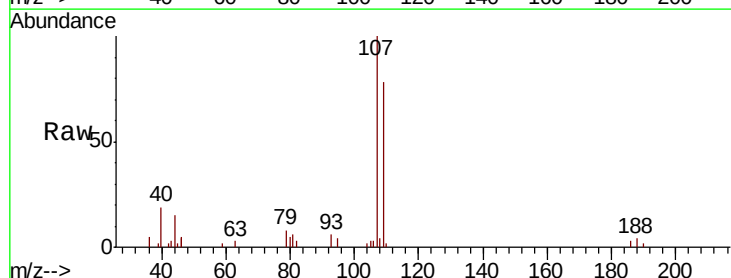
Tgt Ion:107 Resp: 8636

Ion Ratio Lower Upper

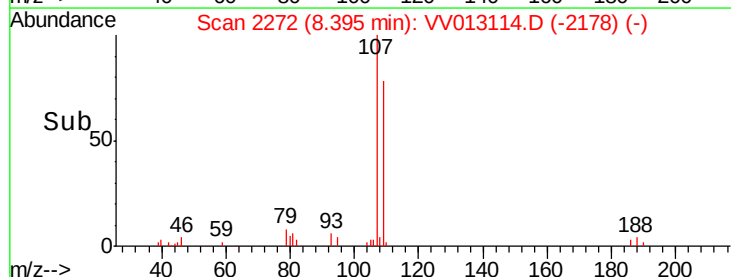
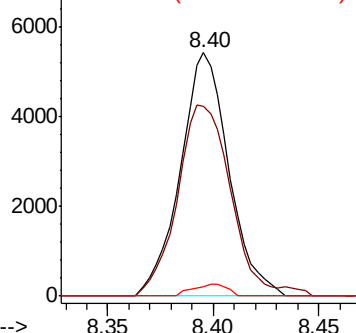
107 100

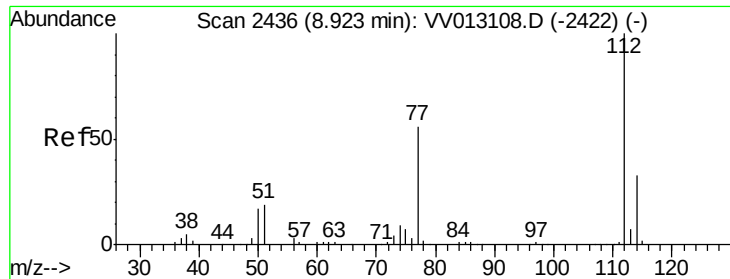
109 78.2 66.6 123.6

188 4.1 3.4 5.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

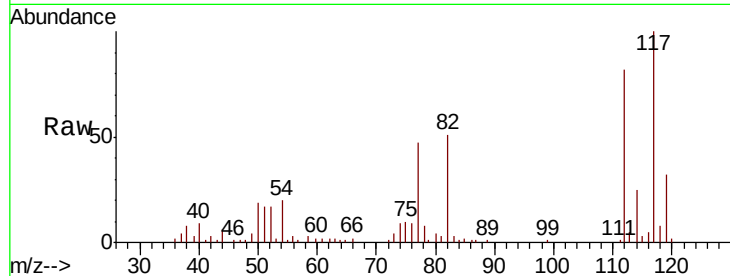




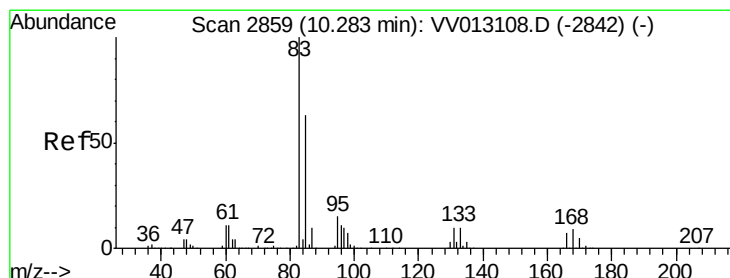
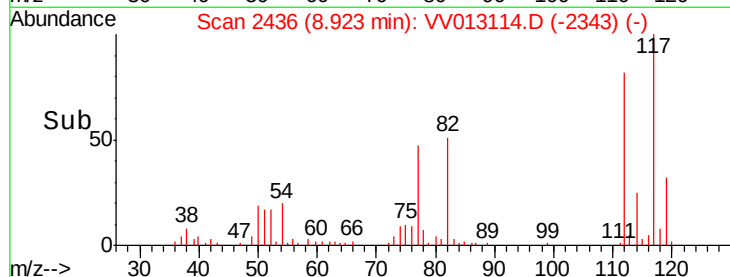
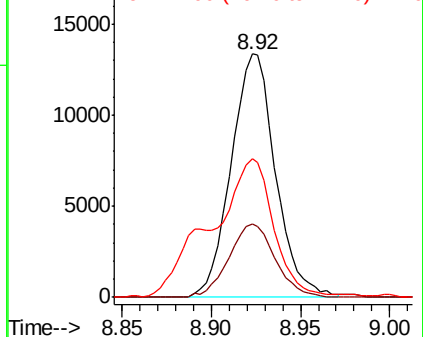
#51
Chlorobenzene
Concen: 1.688 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:112 Resp: 23223
Ion Ratio Lower Upper
112 100
114 30.2 22.8 42.4
77 57.0 45.1 67.7

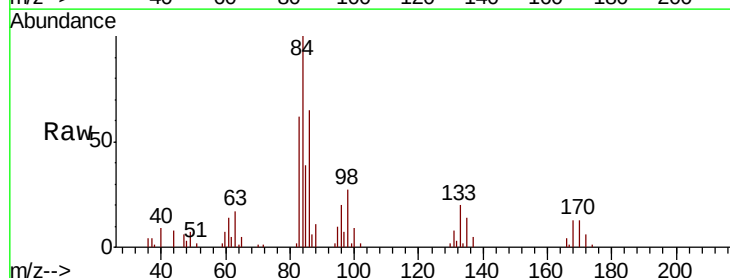


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

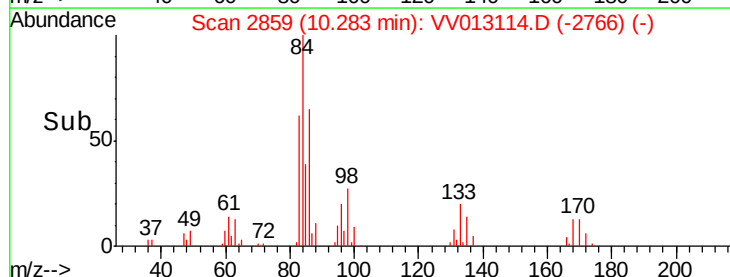
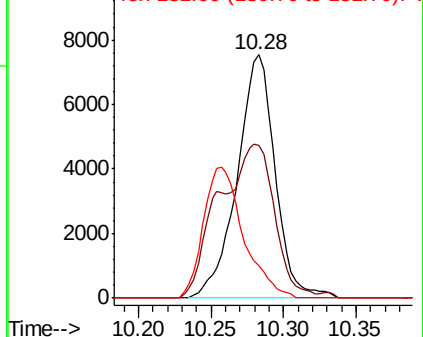


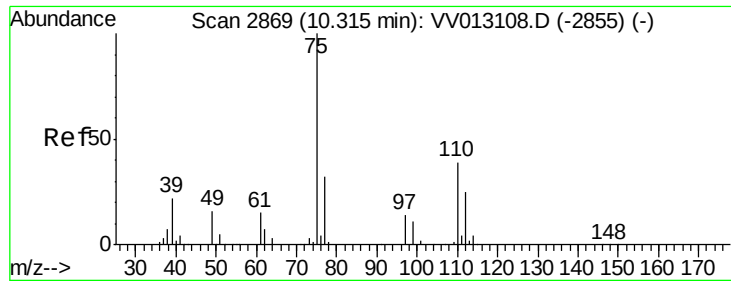
#58
1,1,2,2-Tetrachloroethane
Concen: 1.888 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 83 Resp: 13755
Ion Ratio Lower Upper
83 100
85 63.0 44.3 82.3
131 13.3 8.1 12.1#



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V

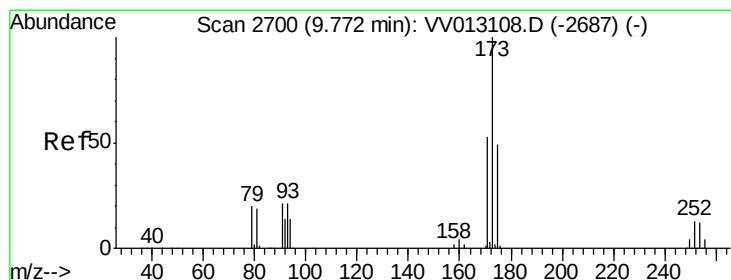
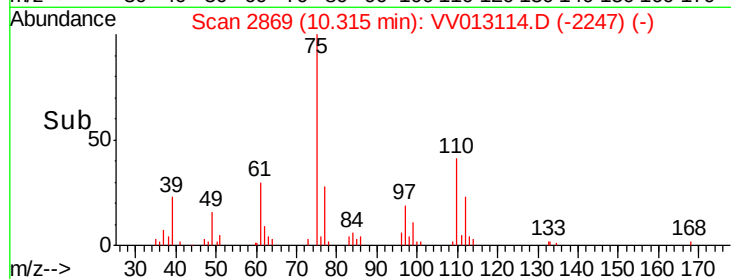
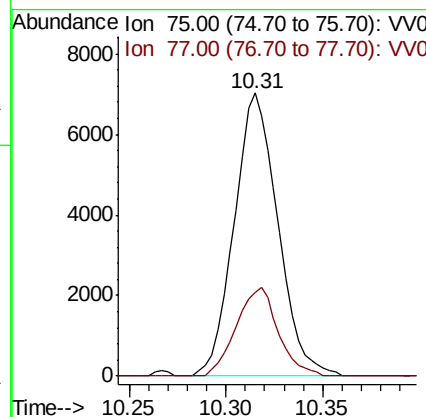
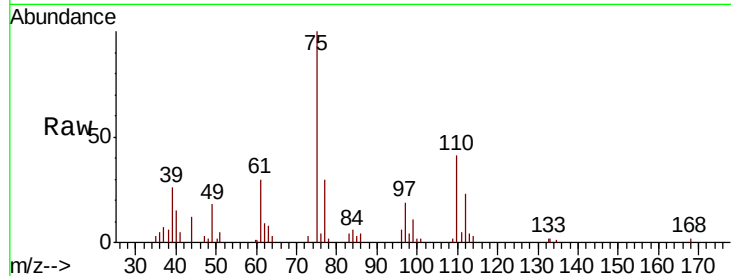




#59
 1,2,3-Trichloropropane
 Concen: 1.716 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

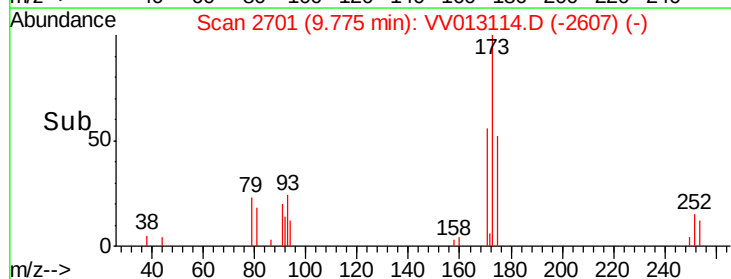
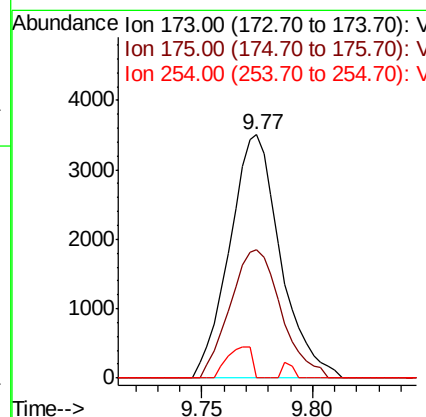
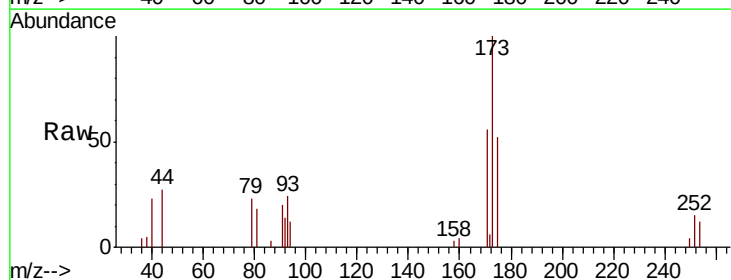
Instrument :
 MSVOA_V
 ClientSampleId :

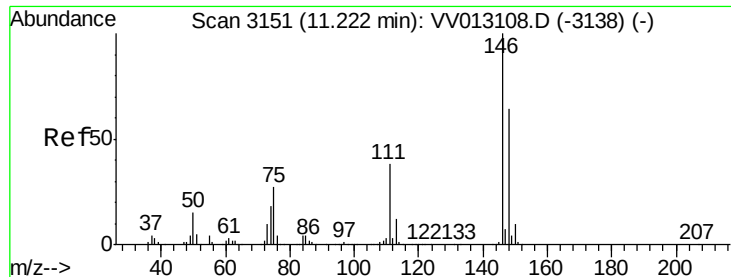
Tot Ion: 75 Resp: 11025
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.7 38.5



#61
 Bromoform
 Concen: 1.607 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion: 173 Resp: 5635
 Ion Ratio Lower Upper
 173 100
 175 52.9 38.8 58.2
 254 6.1 9.6 14.4#





#62

1,3-Dichlorobenzene

Concen: 1.727 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

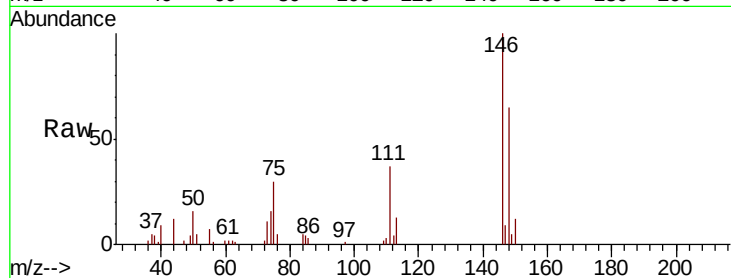
Tot Ion:146 Resp: 15568

Ion Ratio Lower Upper

146 100

111 37.4 26.6 49.4

148 65.2 44.6 82.8

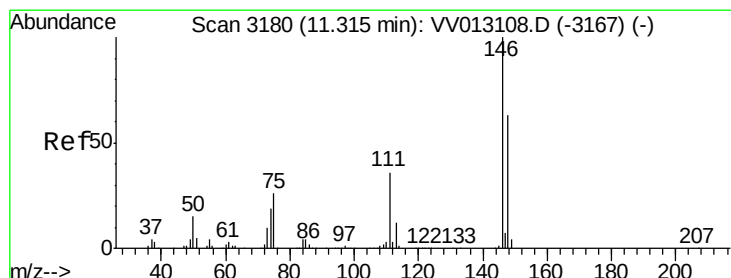
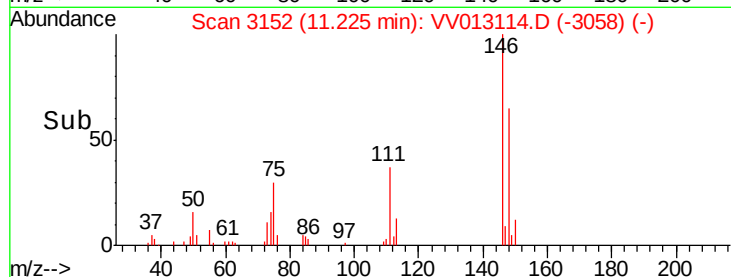
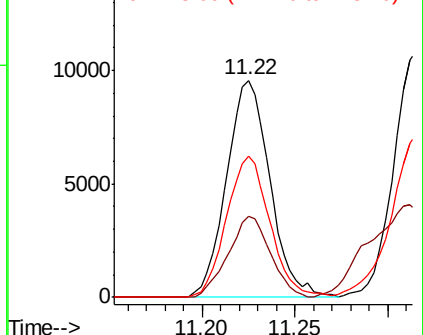


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.939 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

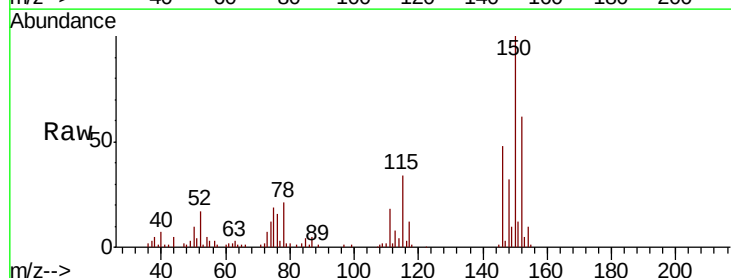
Tgt Ion:146 Resp: 17547

Ion Ratio Lower Upper

146 100

111 36.4 25.4 47.2

148 66.3 44.2 82.2

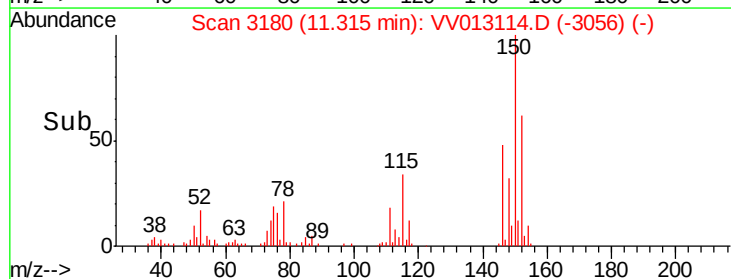
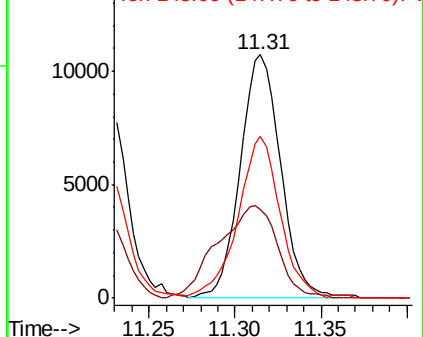


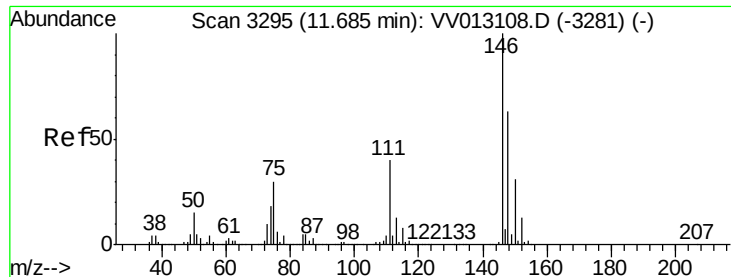
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.900 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :

MSVOA_V

ClientSampled :

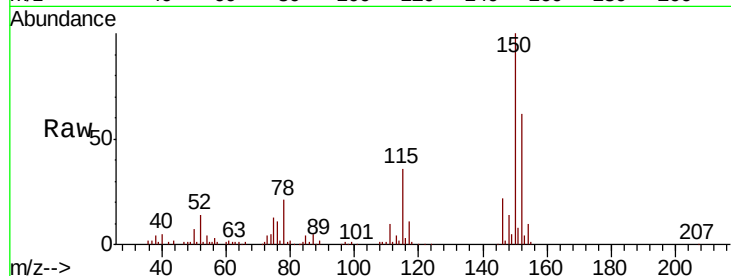
Tot Ion:146 Resp: 17432

Ion Ratio Lower Upper

146 100

111 44.0 32.2 48.2

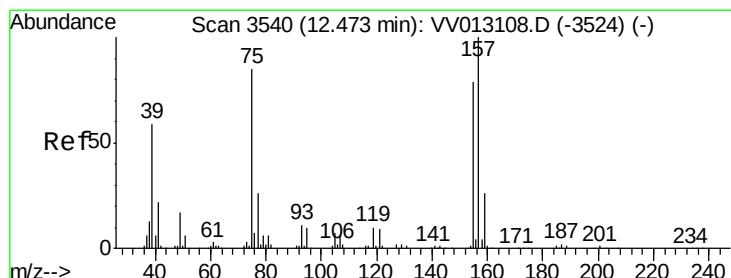
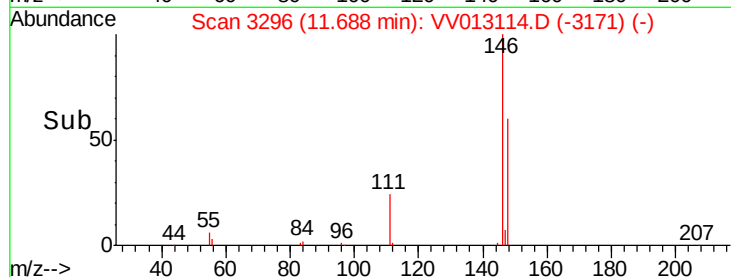
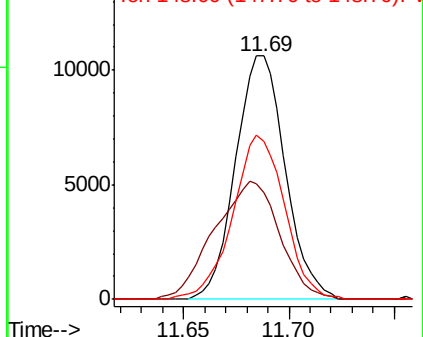
148 64.8 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.739 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

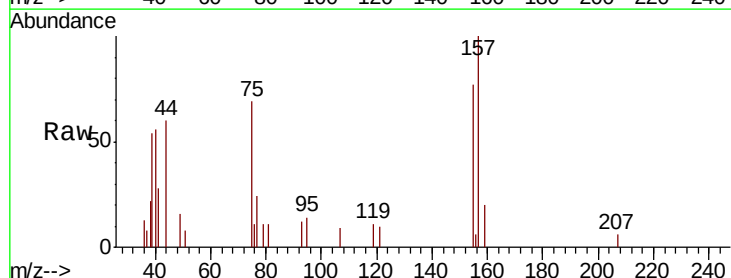
Tgt Ion: 75 Resp: 2321

Ion Ratio Lower Upper

75 100

155 119.8 74.6 111.8#

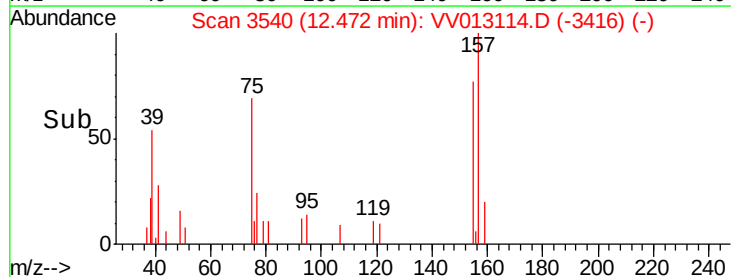
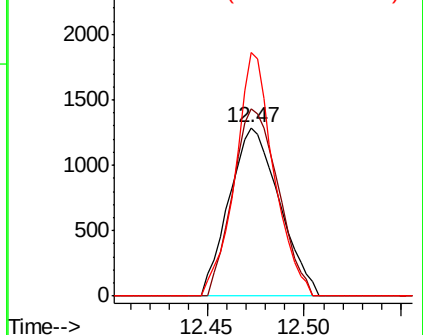
157 144.7 94.2 141.4#

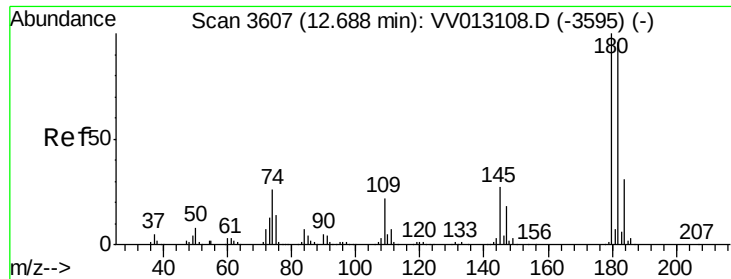


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

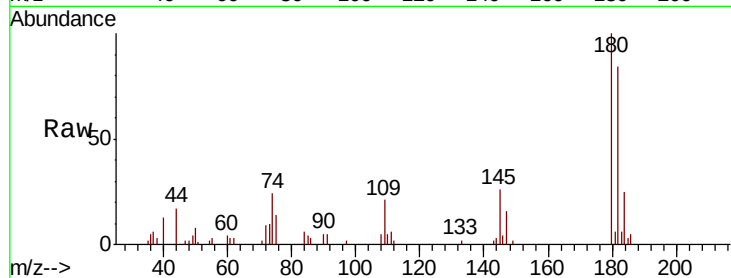




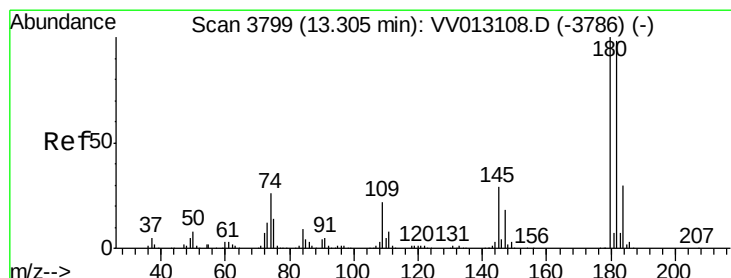
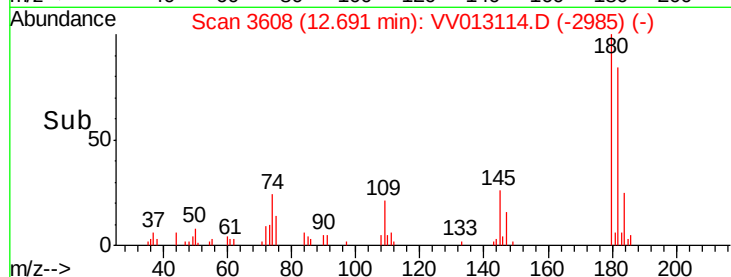
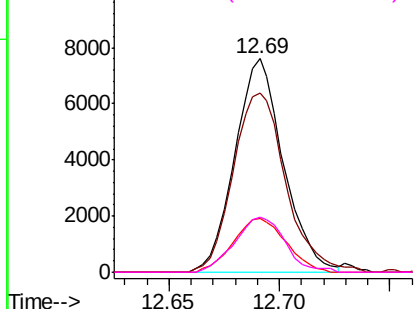
#67
 1,3,5-Trichlorobenzene
 Concen: 1.809 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 11626
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.7 115.1
 184 27.4 24.3 36.5
 145 26.4 21.7 32.5

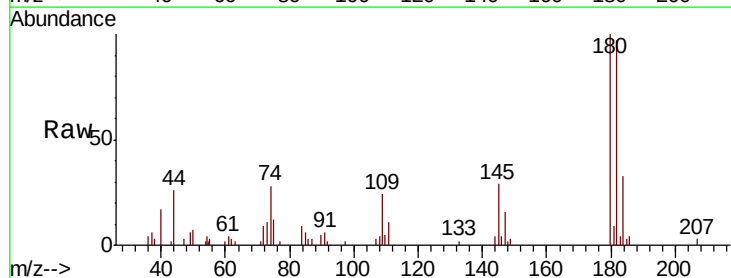


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

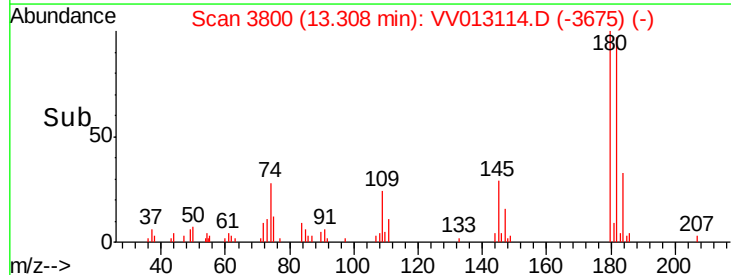
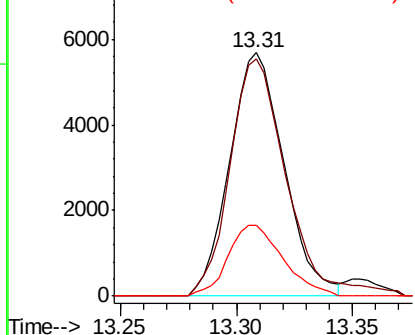


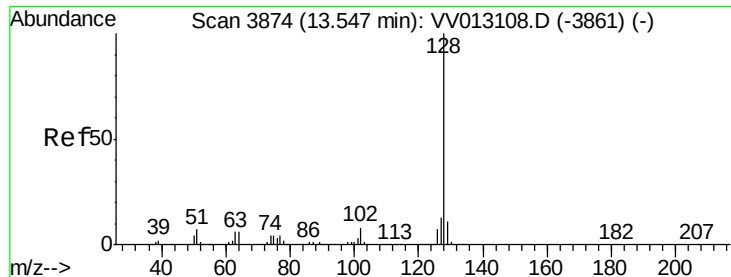
#68
 1,2,4-trichlorobenzene
 Concen: 1.679 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013114.D
 Acq: 11 Oct 2019 21:07

Tgt Ion:180 Resp: 9256
 Ion Ratio Lower Upper
 180 100
 182 101.1 77.4 116.0
 145 29.5 22.7 34.1



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





#69

Naphthalene

Concen: 1.367 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

Instrument :

MSVOA_V

ClientSampled :

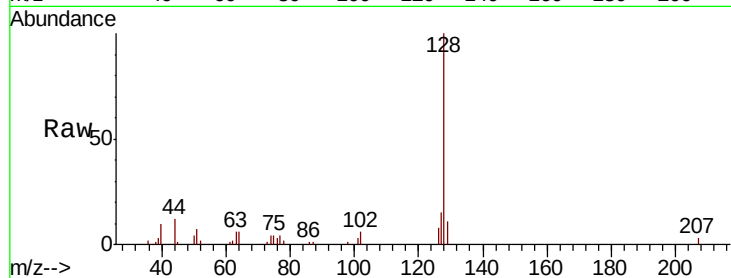
Tot Ion:128 Resp: 20764

Ion Ratio Lower Upper

128 100

127 14.6 10.2 15.4

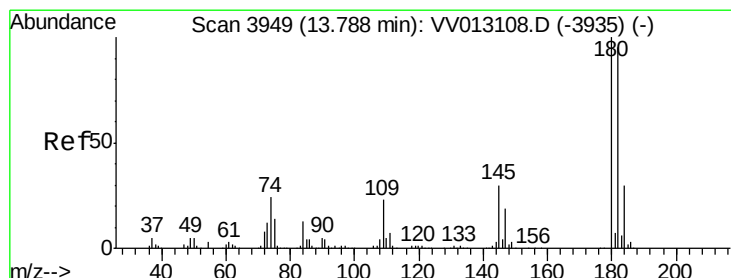
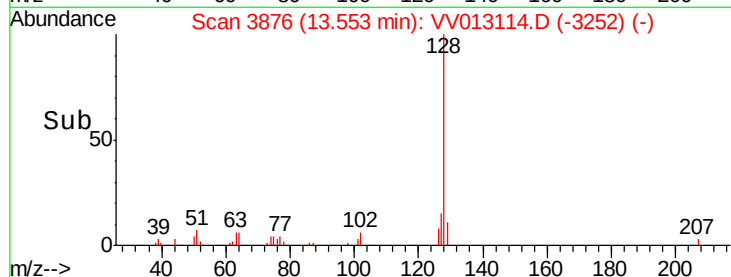
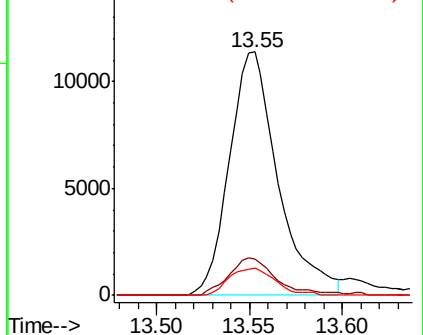
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.666 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013114.D

Acq: 11 Oct 2019 21:07

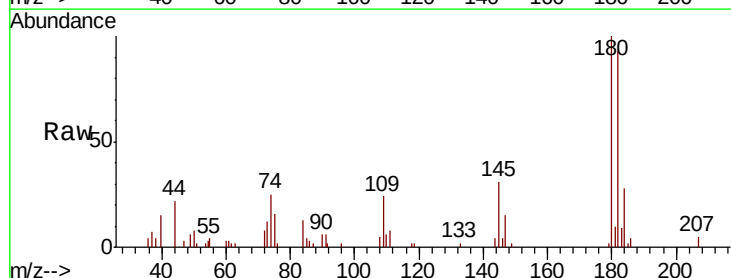
Tgt Ion:180 Resp: 9822

Ion Ratio Lower Upper

180 100

182 92.0 76.9 115.3

145 31.7 23.8 35.8



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

