

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014625.D
 Acq On : 14 Jan 2020 09:48
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 15 01:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 07 06:19:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1180604	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1032671	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	502458	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	332115	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.80%
7) Chloroethane-d5	2.89	69	275819	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
10) 1,1-Dichloroethene-d2	4.02	63	668210	21.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.80%
20) 2-Butanone-d5	7.07	46	170758	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.64	84	619521	22.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.24%
26) 1,2-Dichloroethane-d4	8.30	65	303089	21.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.00%
29) Benzene-d6	8.27	84	1313677	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	9.27	67	391758	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
37) Toluene-d8	10.32	98	1189202	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	10.57	79	155490	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	10.92	63	133629	47.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	280973	22.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	383981	23.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	248428	23.522	ug/L 99
3) Chloromethane	2.21	50	239240	20.037	ug/L 100
5) Vinyl chloride	2.36	62	397873	23.419	ug/L 100
6) Bromomethane	2.78	94	234350	23.623	ug/L 99
8) Chloroethane	2.92	64	230377	24.250	ug/L 99
9) Trichlorofluoromethane	3.26	101	216012	24.038	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	365138	23.670	ug/L 99
12) 1,1-Dichloroethene	4.04	96	361008	23.898	ug/L 95
13) Acetone	4.11	43	220576	40.228	ug/L 94
14) Carbon disulfide	4.38	76	1082151	23.203	ug/L 100
15) Methyl Acetate	4.66	43	164000	22.165	ug/L 99
16) Methylene chloride	4.91	84	366079	19.016	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	478151	24.591	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	377402	23.717	ug/L 97
19) 1,1-Dichloroethane	6.21	63	665865	23.148	ug/L 99
21) 2-Butanone	7.16	43	257039	43.692	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	396024	23.643	ug/L 95

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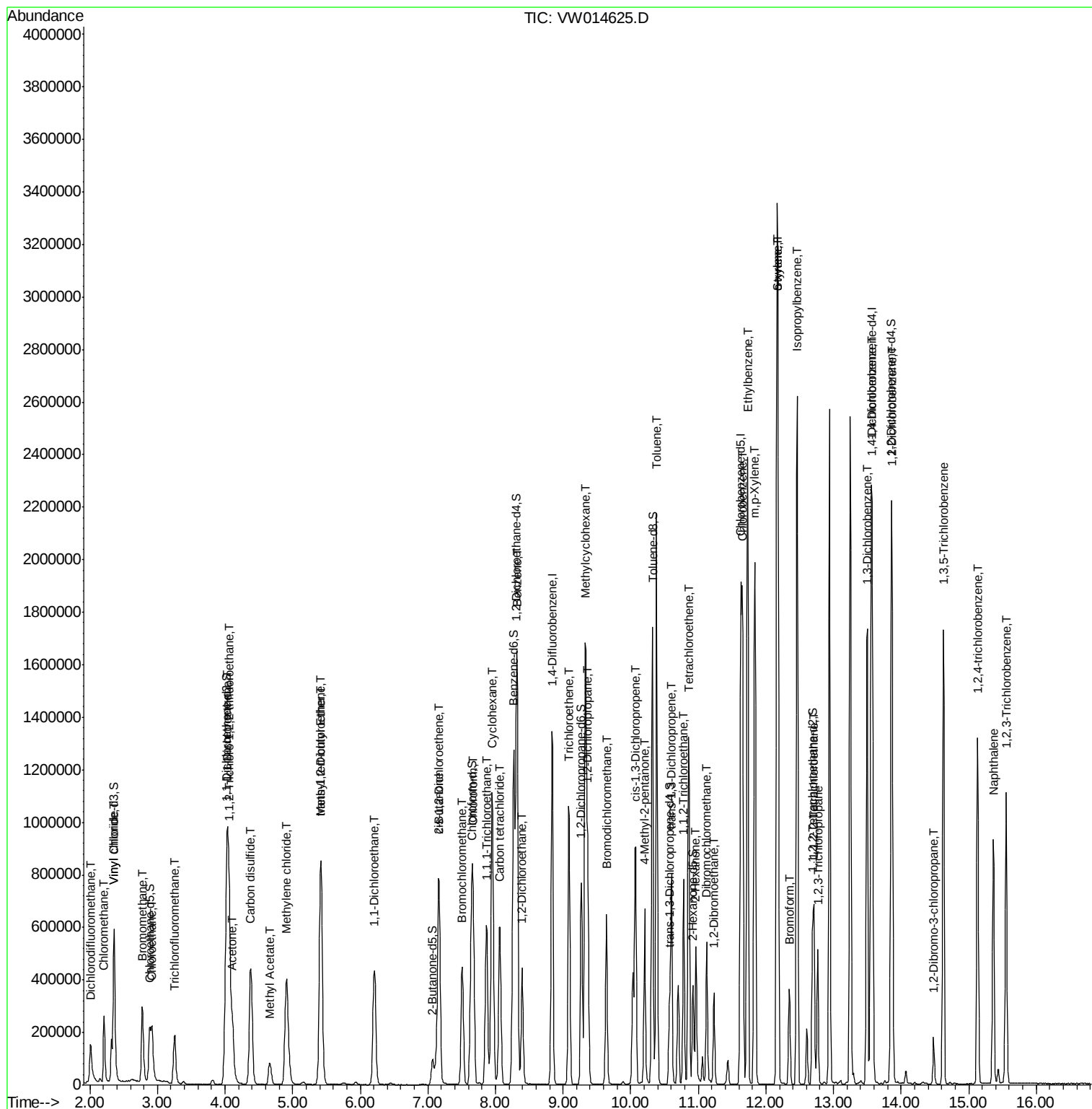
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166466	22.957	ug/L	99
25) Chloroform	7.67	83	632229	22.979	ug/L	100
27) 1,2-Dichloroethane	8.40	62	392884	21.997	ug/L	99
30) Cyclohexane	7.95	56	668170	25.295	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	511160	24.130	ug/L	99
32) Carbon tetrachloride	8.06	117	479996	24.320	ug/L	99
34) Benzene	8.32	78	1510686	24.309	ug/L	100
35) Trichloroethene	9.09	95	386576	24.103	ug/L	99
36) Methylcyclohexane	9.33	83	712735	25.330	ug/L	98
40) 1,2-Dichloropropane	9.37	63	367026	23.334	ug/L	99
41) Bromodichloromethane	9.64	83	445747	23.560	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	565681	24.075	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	440667	43.642	ug/L	99
44) Toluene	10.38	91	1585876	24.420	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	441821	23.517	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	259190	23.264	ug/L	98
47) Tetrachloroethene	10.86	164	328878	24.421	ug/L	99
49) 2-Hexanone	10.96	43	329827	47.835	ug/L	98
50) Dibromochloromethane	11.13	129	298301	23.580	ug/L	97
51) 1,2-Dibromoethane	11.23	107	245664	23.359	ug/L	98
52) Chlorobenzene	11.66	112	971556	23.666	ug/L	97
53) Ethylbenzene	11.73	91	1755320	24.583	ug/L	99
54) m,p-Xylene	11.83	106	667708	24.711	ug/L	98
55) o-xylene	12.16	106	624829	24.481	ug/L	96
56) Styrene	12.18	104	1063316	24.752	ug/L	99
57) Isopropylbenzene	12.46	105	1707795	25.155	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	305101	22.555	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	224762	22.180	ug/L	100
62) Bromoform	12.35	173	170343	22.687	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	754744	23.726	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	752986	23.475	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	679279	23.820	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	45560	21.574	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	576074	24.446	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	453352	25.664	ug/L	99
69) Naphthalene	15.36	128	803013	26.331	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	412279	25.756	ug/L	99

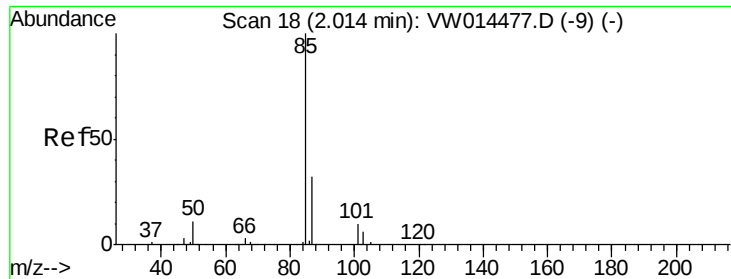
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.522 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

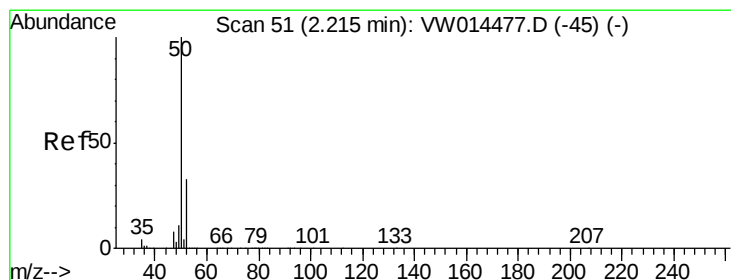
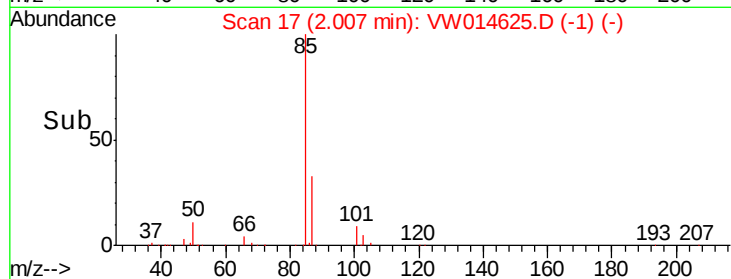
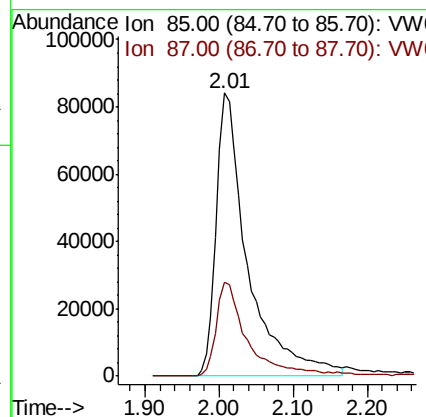
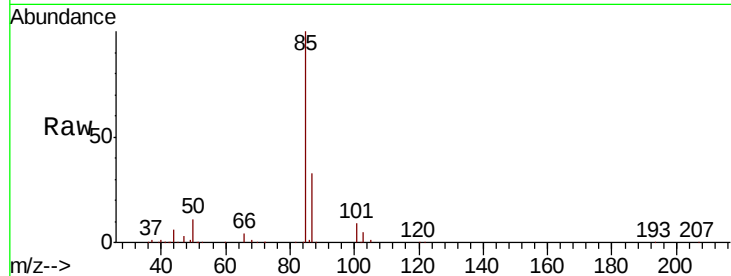
ClientSampleId :

Tot Ion: 85 Resp: 248428

Ion Ratio Lower Upper

85 100

87 30.0 21.5 39.9



#3

Chloromethane

Concen: 20.037 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014625.D

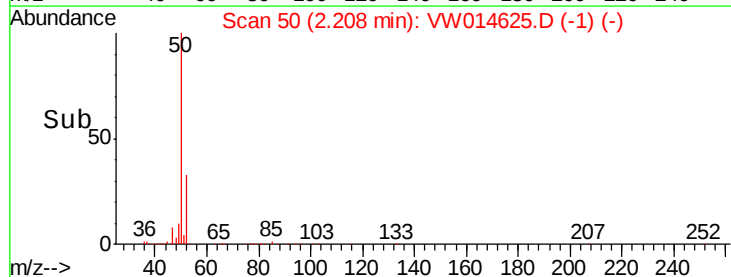
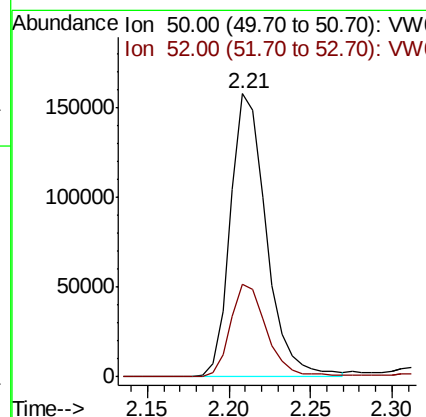
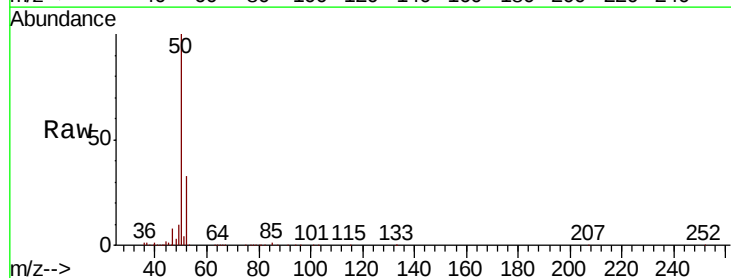
Acq: 14 Jan 2020 09:48

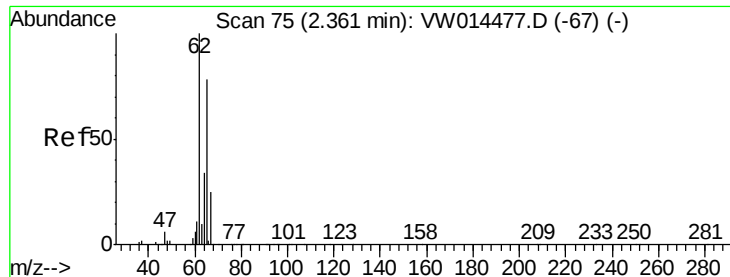
Tgt Ion: 50 Resp: 239240

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.8





#5

Vinyl chloride

Concen: 23.419 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

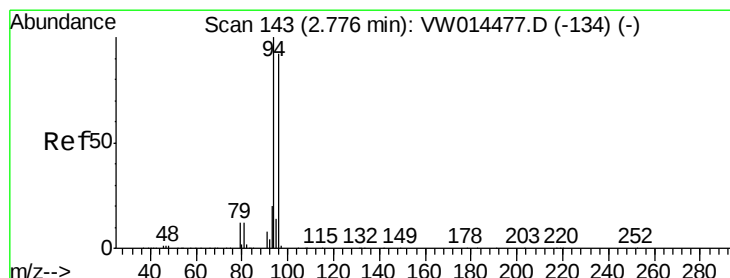
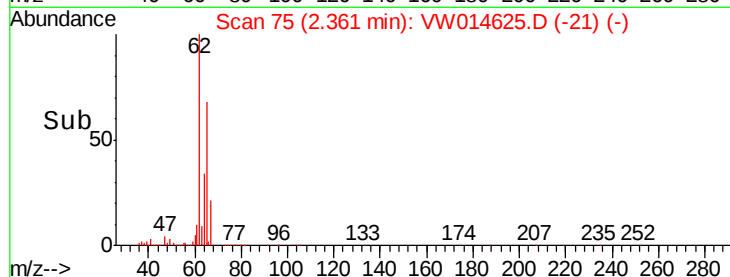
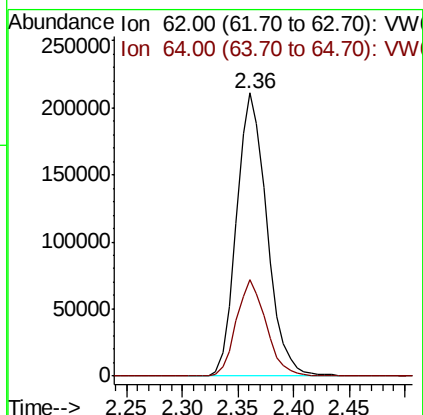
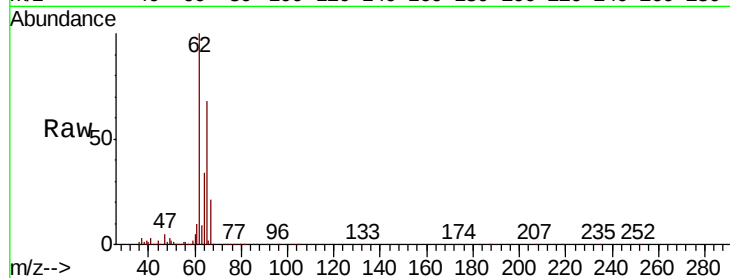
ClientSampleId :

Tot Ion: 62 Resp: 397873

Ion Ratio Lower Upper

62 100

64 34.3 24.1 44.8



#6

Bromomethane

Concen: 23.623 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014625.D

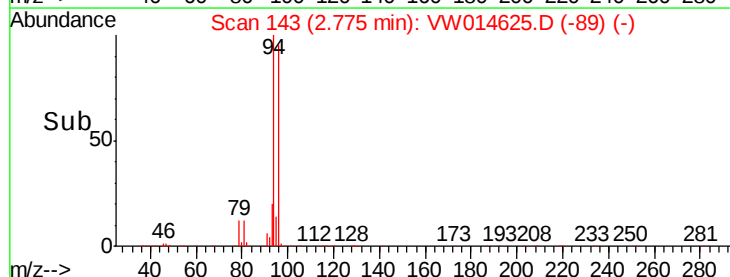
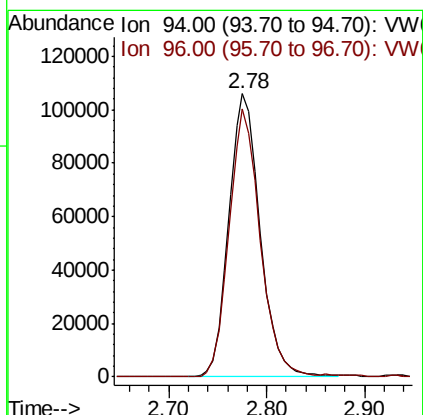
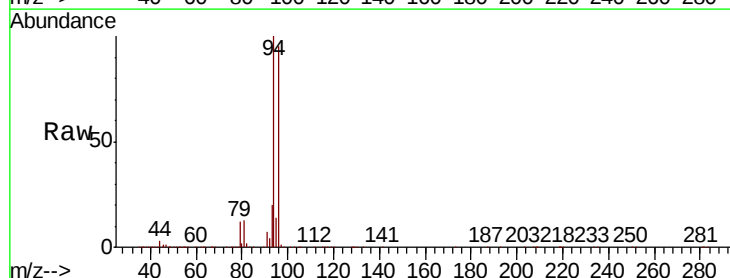
Acq: 14 Jan 2020 09:48

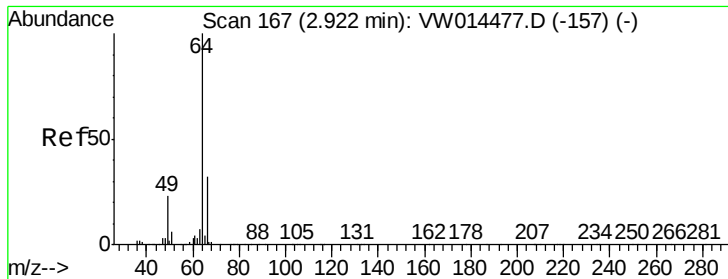
Tgt Ion: 94 Resp: 234350

Ion Ratio Lower Upper

94 100

96 93.5 9.4 178.8

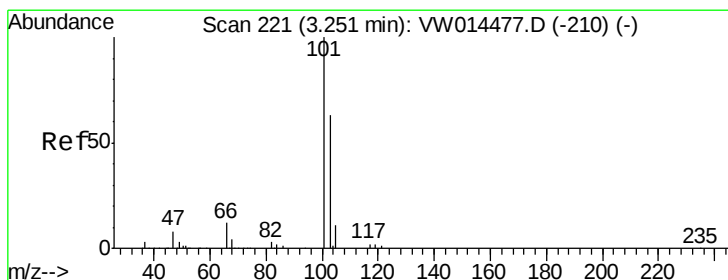
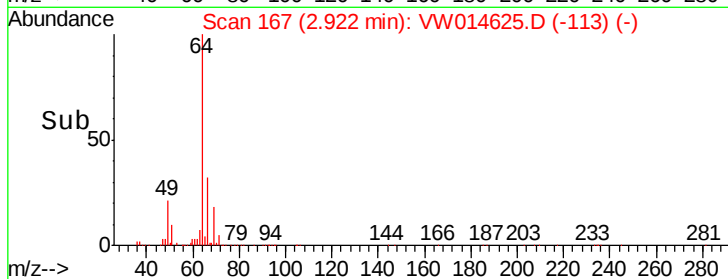
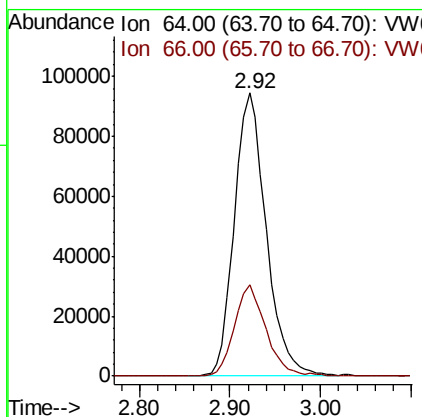
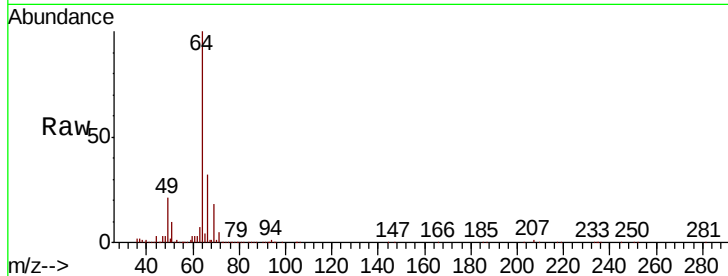




#8
Chloroethane
Concen: 24.250 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

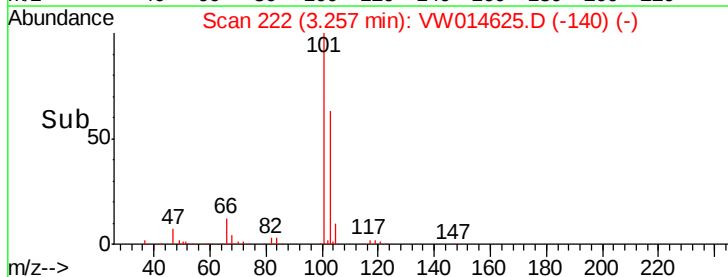
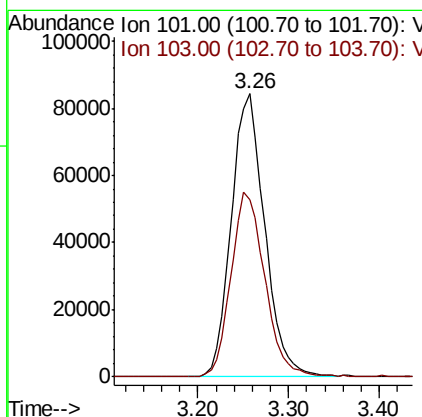
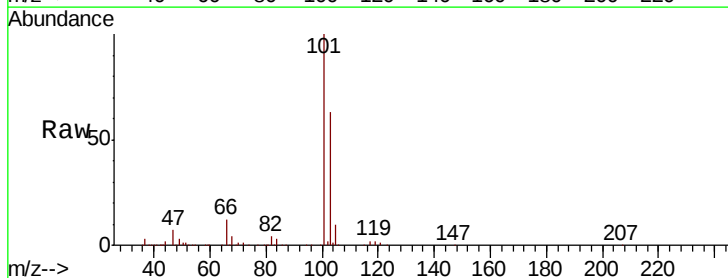
Instrument :
MSVOA_W
ClientSampled :

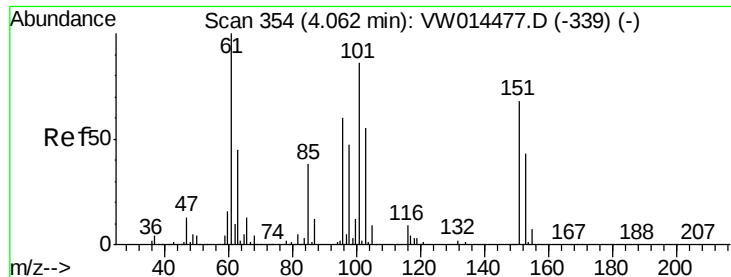
Tot Ion: 64 Resp: 230377
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.7



#9
Trichlorofluoromethane
Concen: 24.038 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 101 Resp: 216012
Ion Ratio Lower Upper
101 100
103 65.9 45.5 84.5





#11

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

Concen: 23.670 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampleId :

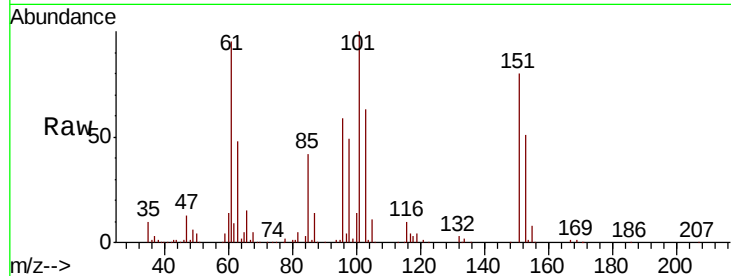
Tot Ion:101 Resp: 365138

Ion Ratio Lower Upper

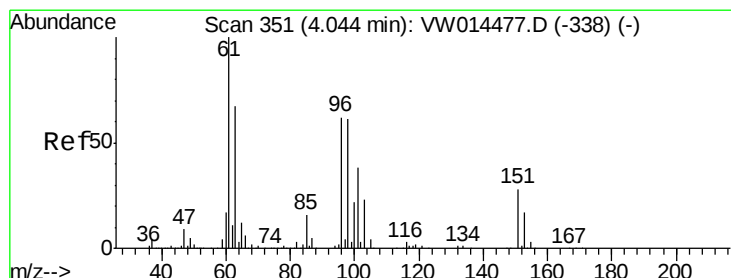
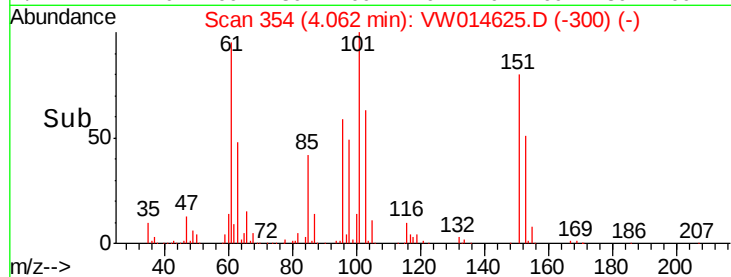
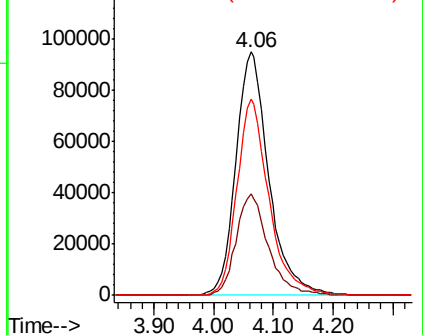
101 100

85 40.9 33.3 49.9

151 78.4 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.898 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

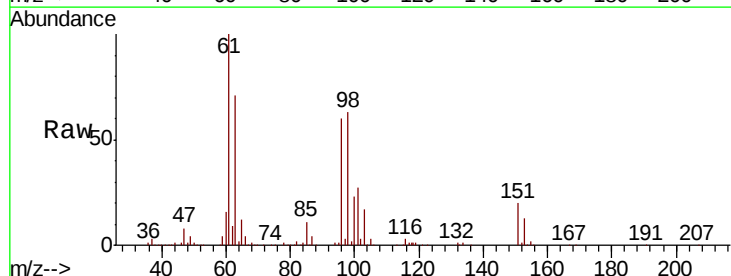
Tgt Ion: 96 Resp: 361008

Ion Ratio Lower Upper

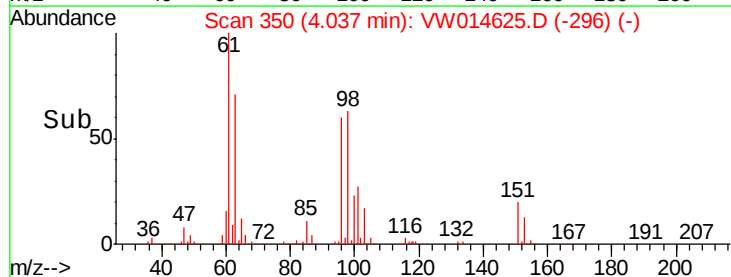
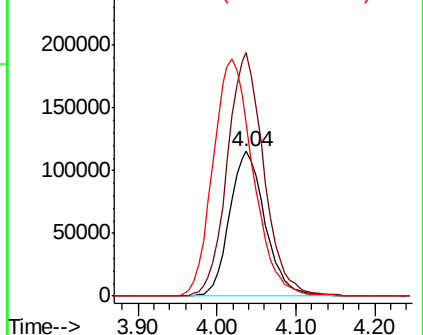
96 100

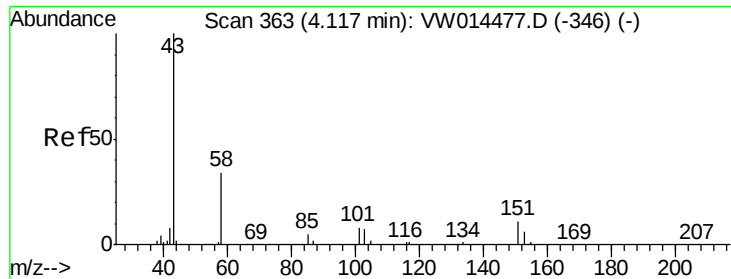
61 168.0 114.2 212.0

63 119.9 78.6 146.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.228 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

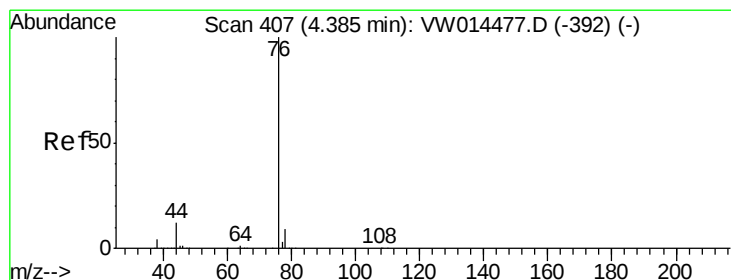
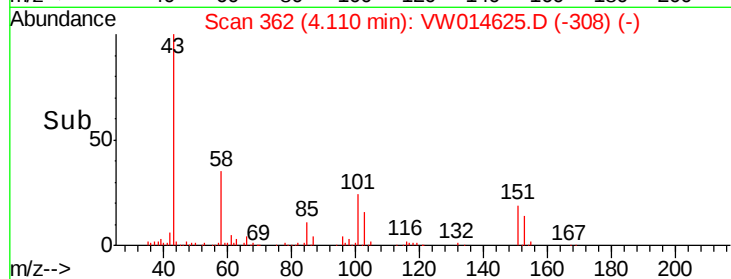
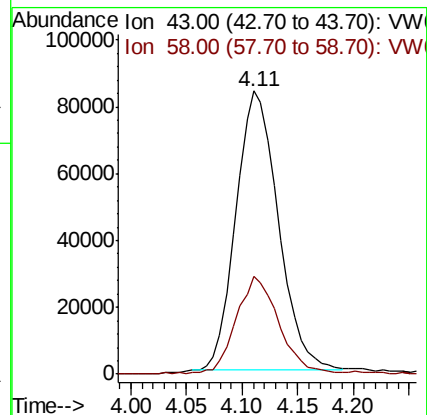
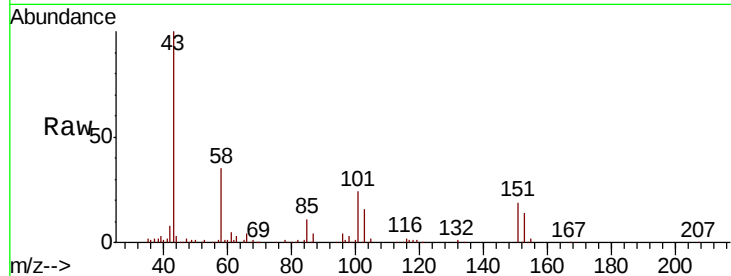
ClientSampled :

Tot Ion: 43 Resp: 220576

Ion Ratio Lower Upper

43 100

58 35.3 0.0 64.0



#14

Carbon disulfide

Concen: 23.203 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014625.D

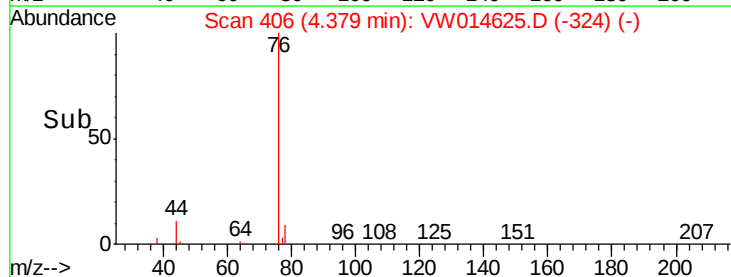
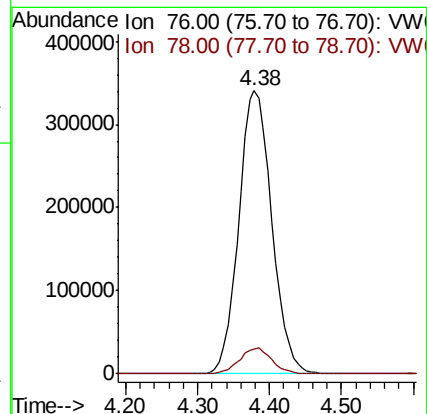
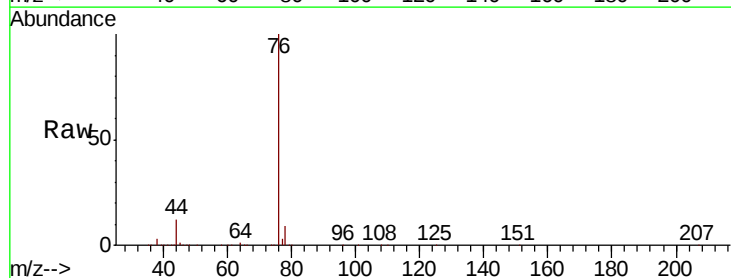
Acq: 14 Jan 2020 09:48

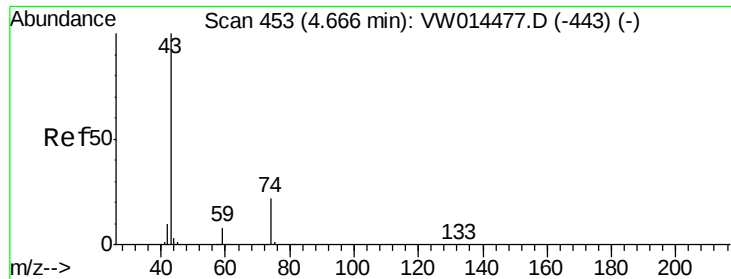
Tgt Ion: 76 Resp: 1082151

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3

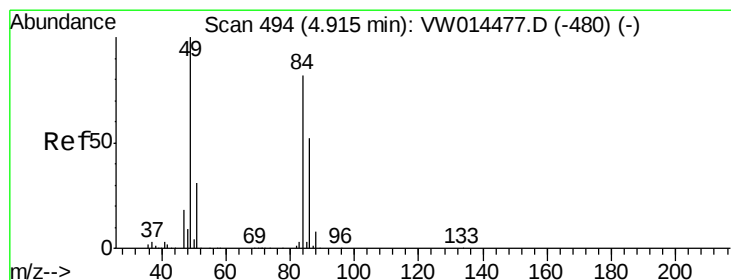
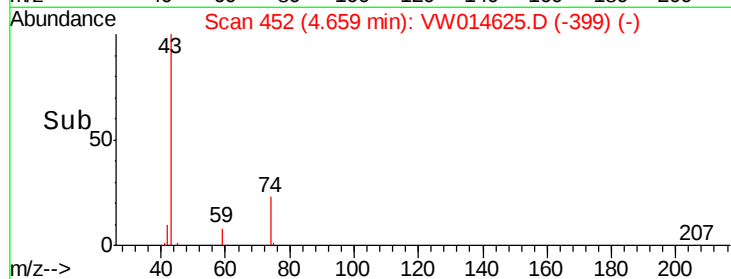
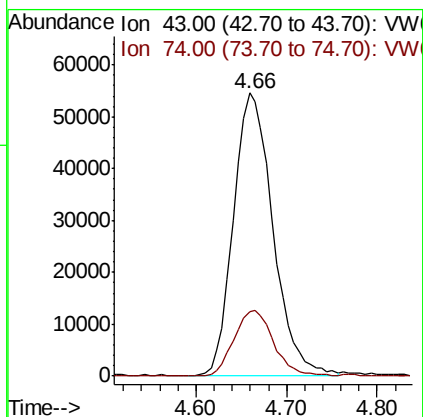
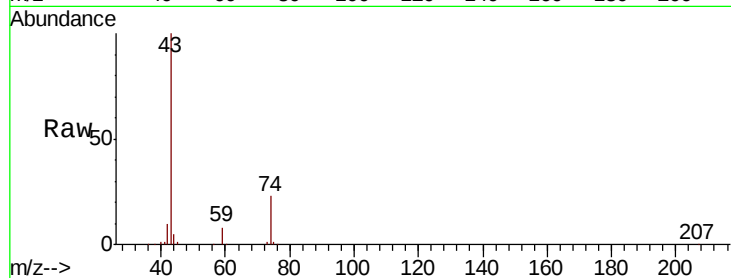




#15
Methyl Acetate
Concen: 22.165 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

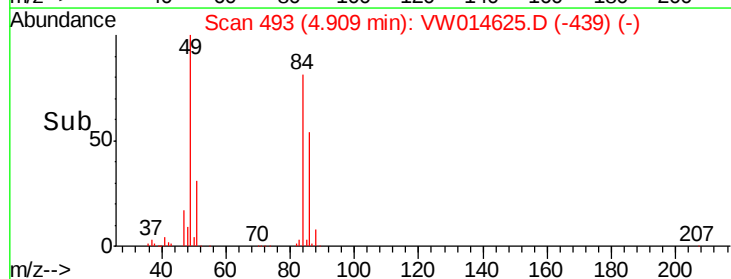
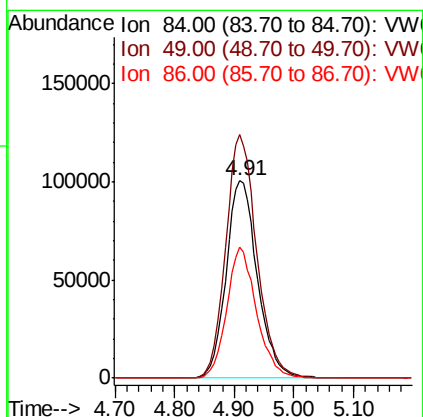
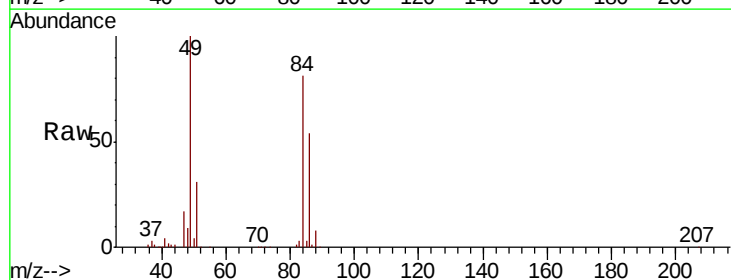
Instrument :
MSVOA_W
ClientSampled :

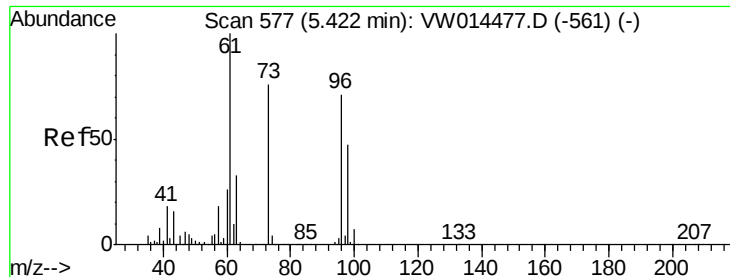
Tot Ion: 43 Resp: 164000
Ion Ratio Lower Upper
43 100
74 23.2 18.3 27.5



#16
Methylene chloride
Concen: 19.016 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 84 Resp: 366079
Ion Ratio Lower Upper
84 100
49 123.5 85.8 159.4
86 66.5 44.5 82.7

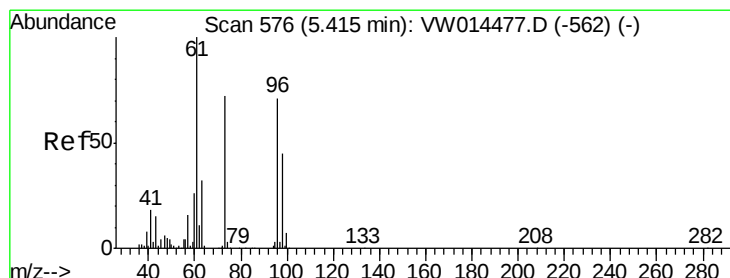
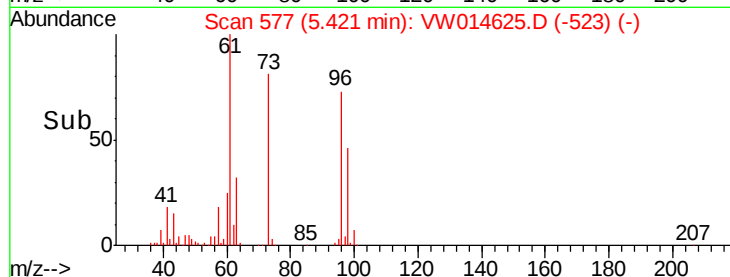
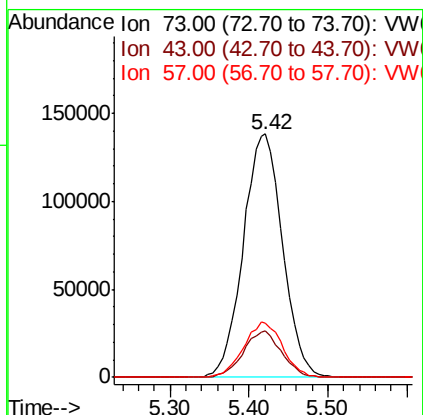
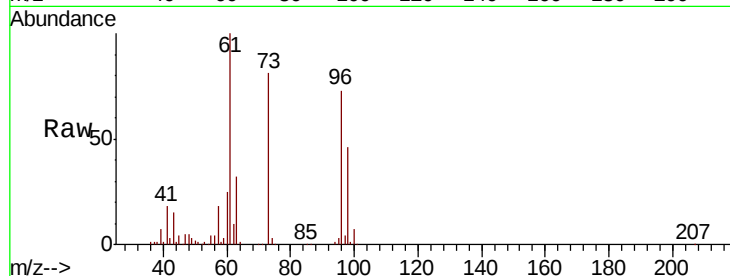




#17
Methvl tert-butvl Ether
Concen: 24.591 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

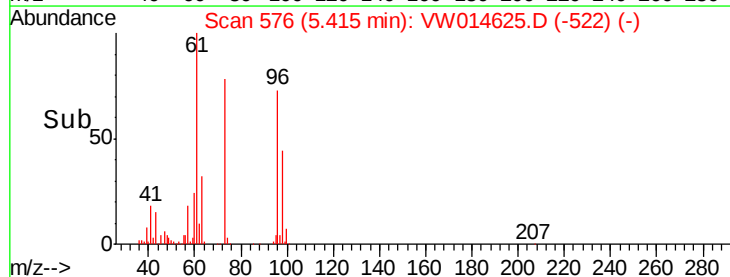
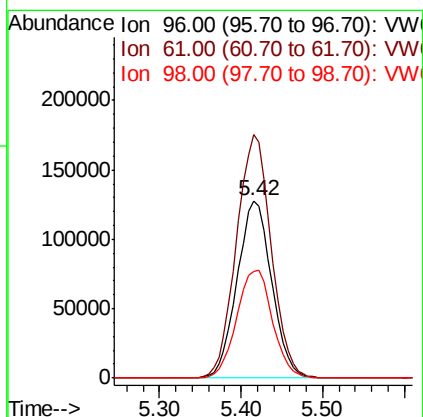
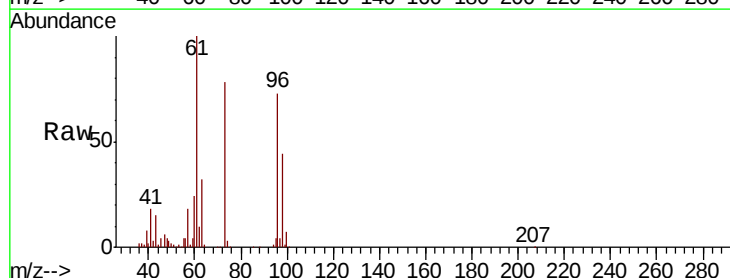
Instrument :
MSVOA_W
ClientSampleId :

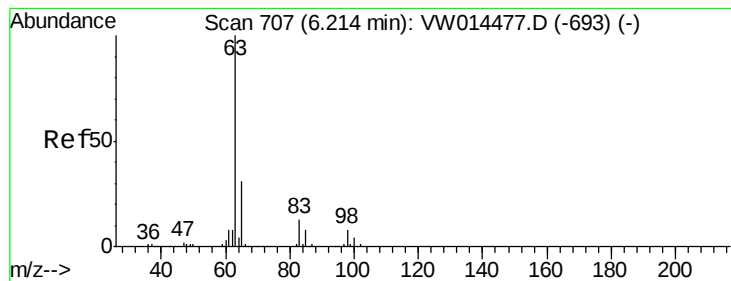
Tot Ion: 73 Resp: 478151
Ion Ratio Lower Upper
73 100
43 18.5 15.7 23.5
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 23.717 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 96 Resp: 377402
Ion Ratio Lower Upper
96 100
61 137.0 98.2 182.4
98 60.3 44.1 81.9





#19

1,1-Dichloroethane

Concen: 23.148 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampled :

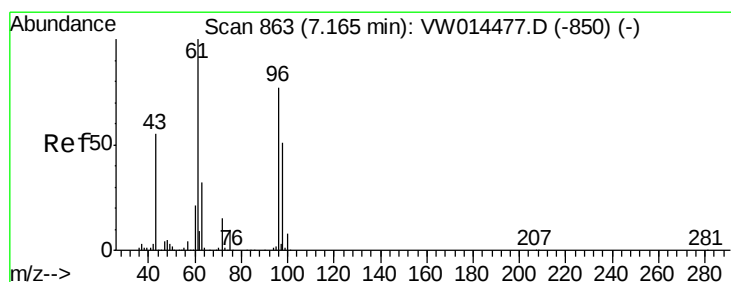
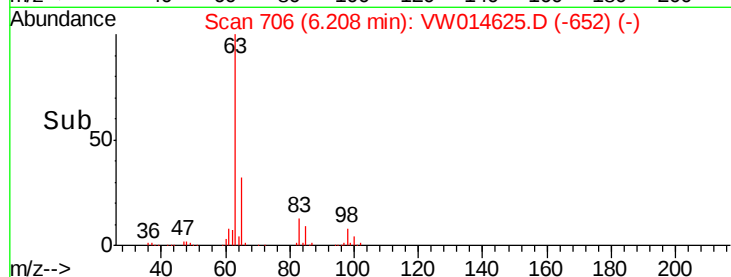
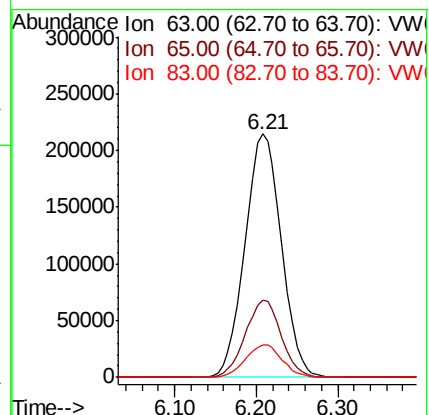
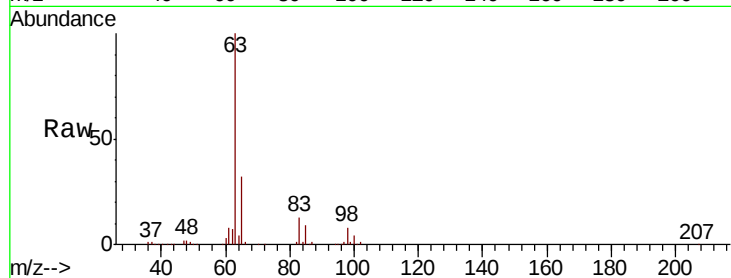
Tot Ion: 63 Resp: 665865

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

83 13.1 9.0 16.8



#21

2-Butanone

Concen: 43.692 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014625.D

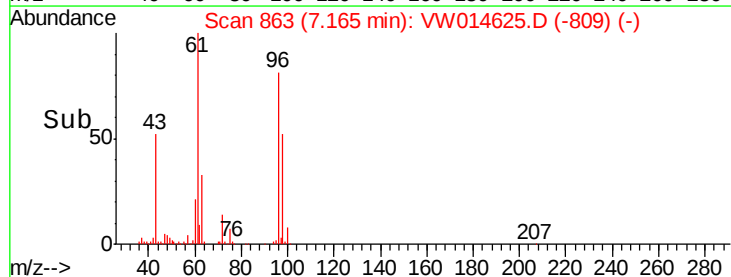
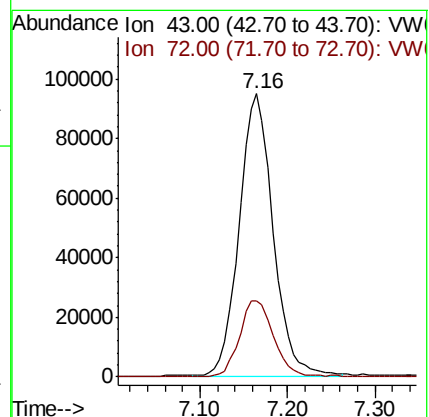
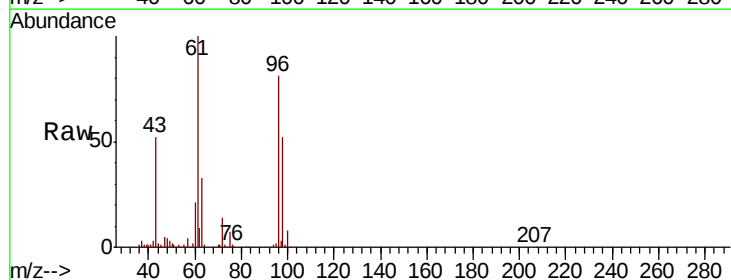
Acq: 14 Jan 2020 09:48

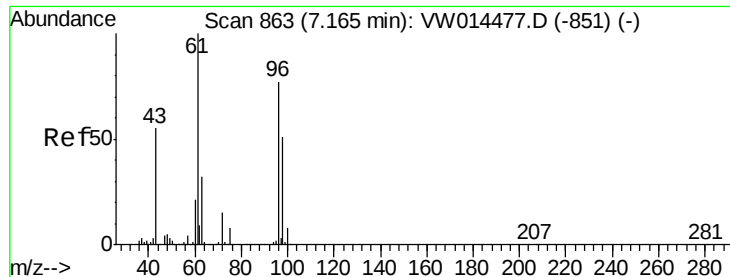
Tgt Ion: 43 Resp: 257039

Ion Ratio Lower Upper

43 100

72 27.0 13.3 39.8



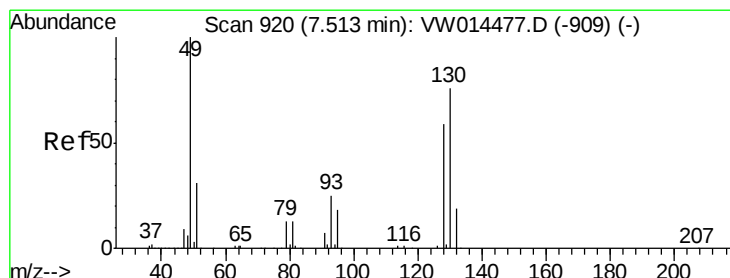
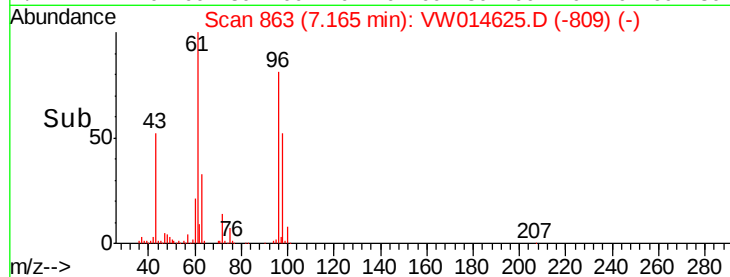
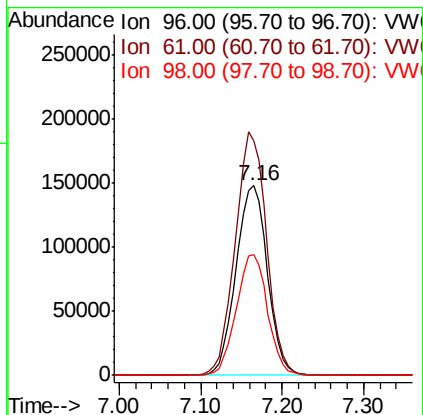
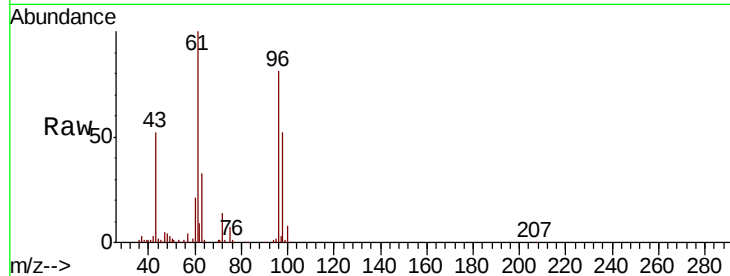


#22

cis-1,2-Dichloroethene
Concen: 23.643 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Instrument :
MSVOA_W
ClientSampled :

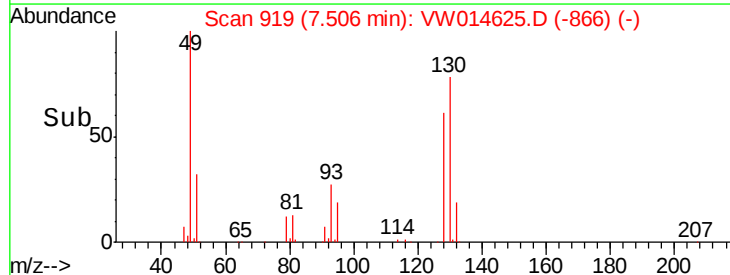
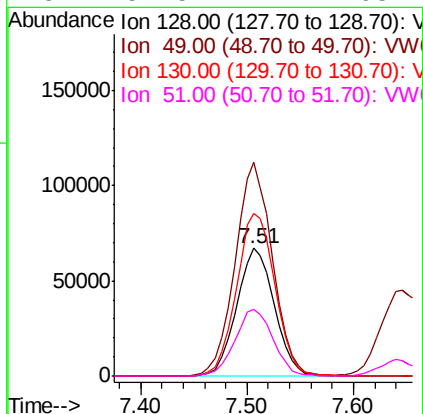
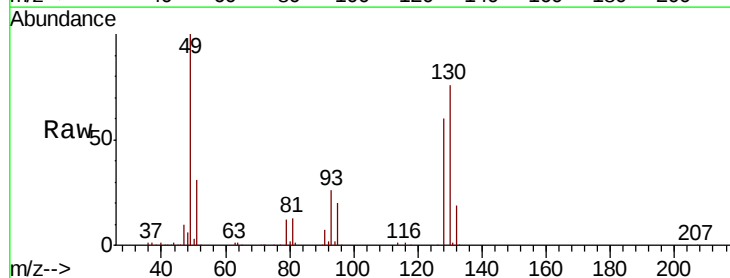
Tot Ion: 96 Resp: 396024
Ion Ratio Lower Upper
96 100
61 124.0 91.5 169.9
98 64.0 46.9 87.1

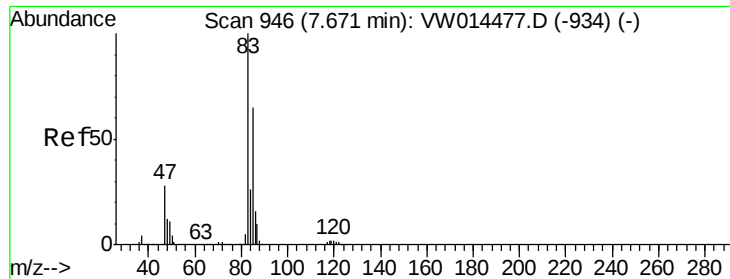


#23

Bromochloromethane
Concen: 22.957 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 128 Resp: 166466
Ion Ratio Lower Upper
128 100
49 167.3 118.3 219.7
130 127.8 89.5 166.1
51 52.5 42.1 63.1

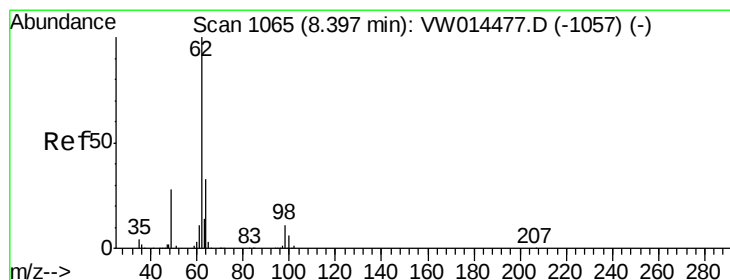
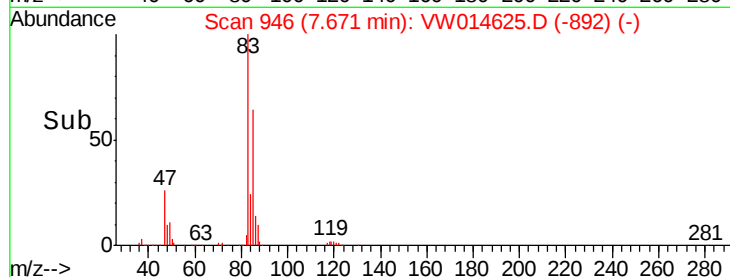
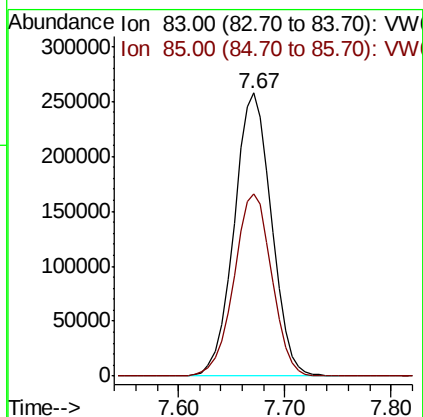
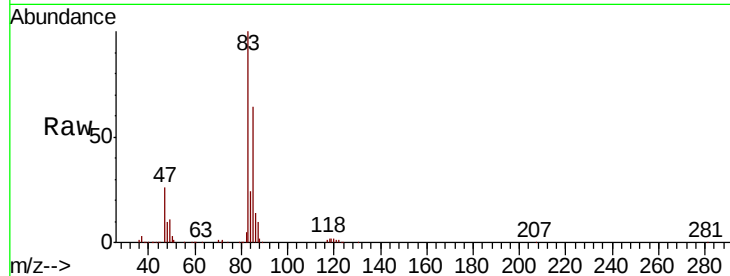




#25
Chloroform
Concen: 22.979 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

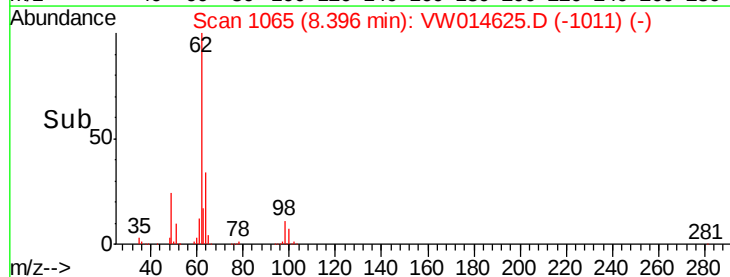
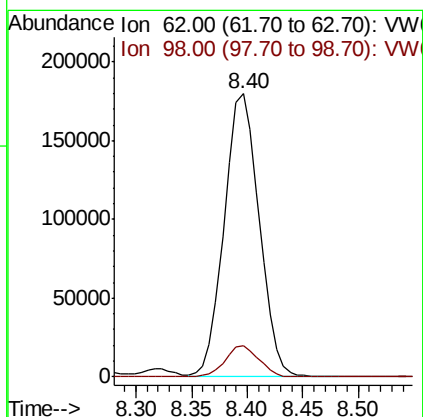
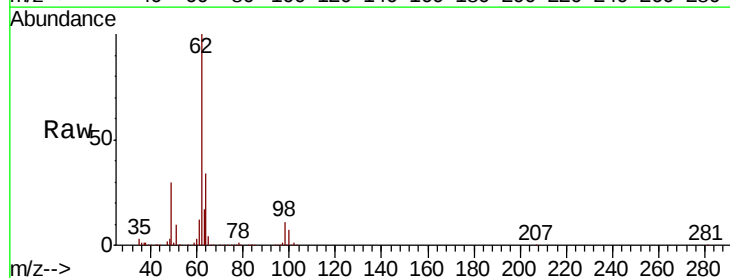
Instrument :
MSVOA_W
ClientSampleId :

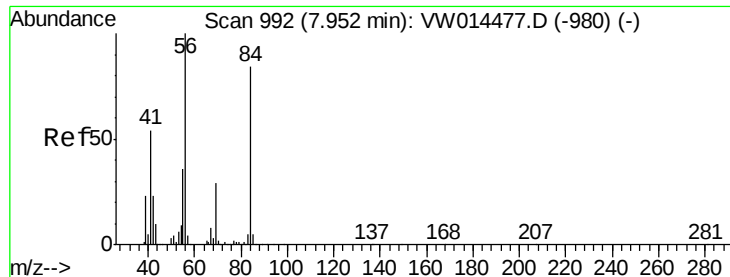
Tot Ion: 83 Resp: 632229
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 21.997 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 62 Resp: 392884
Ion Ratio Lower Upper
62 100
98 10.9 8.3 12.5

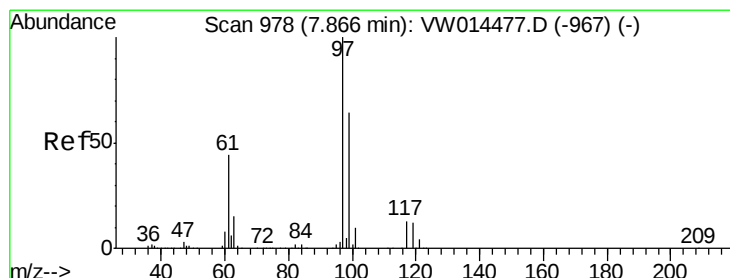
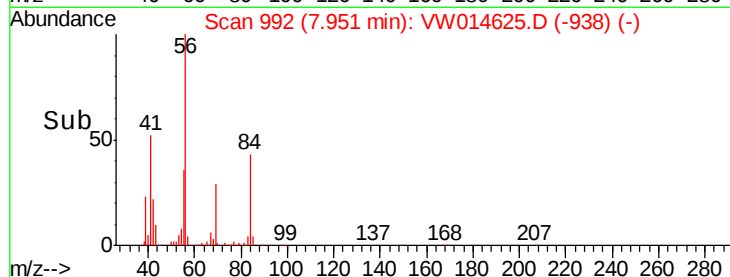
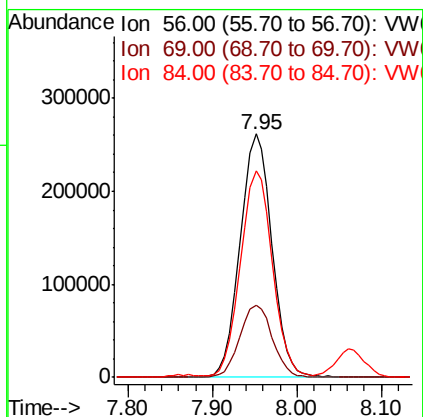
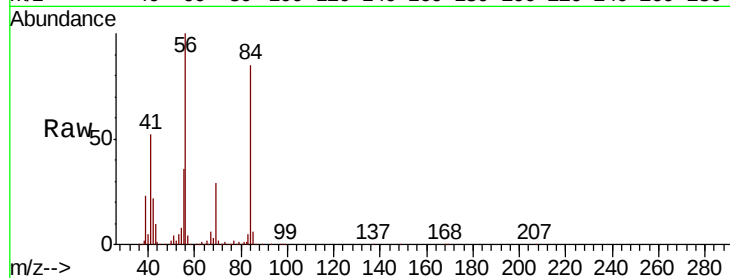




#30
Cyclohexane
Concen: 25.295 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

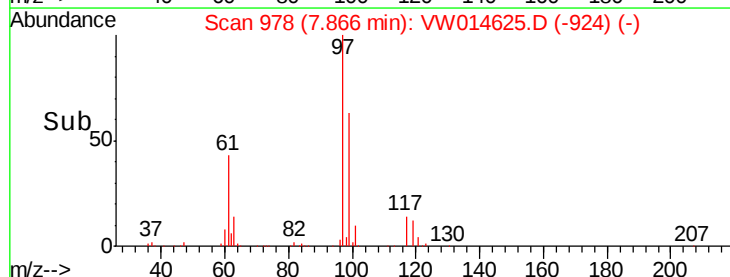
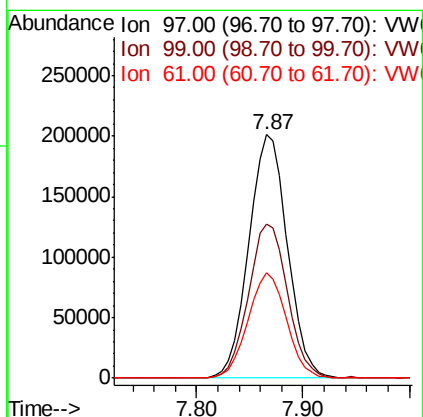
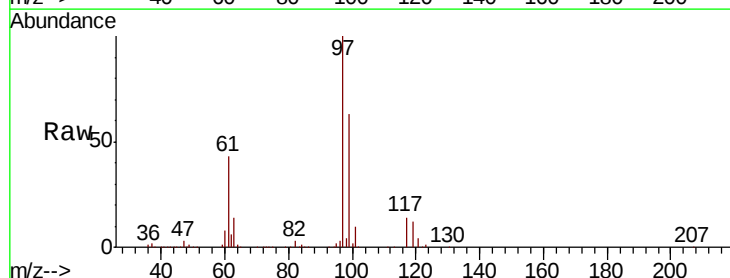
Instrument :
MSVOA_W
ClientSampleId :

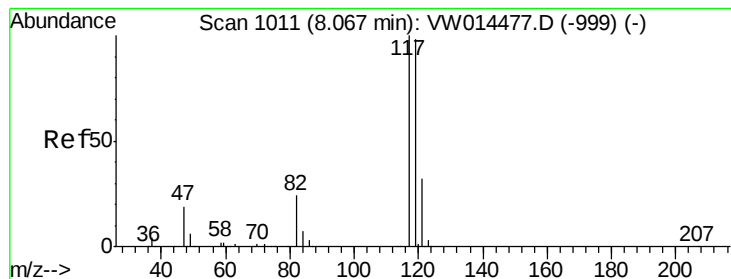
Tot Ion: 56 Resp: 668170
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 85.3 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 24.130 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 97 Resp: 511160
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 43.0 35.3 52.9





#32

Carbon tetrachloride

Concen: 24.320 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

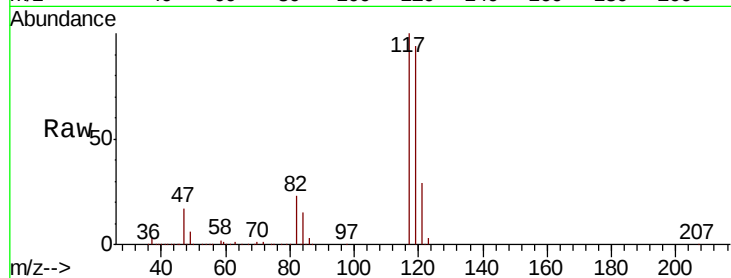
ClientSampled :

Tot Ion:117 Resp: 479996

Ion Ratio Lower Upper

117 100

119 96.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

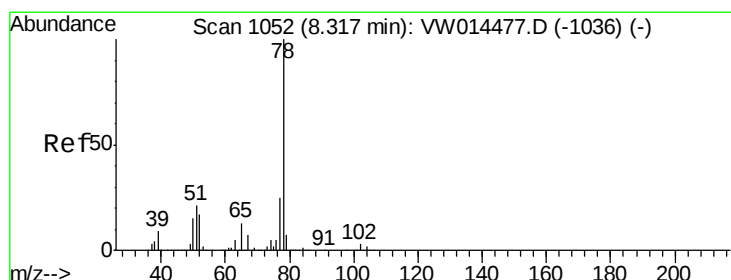
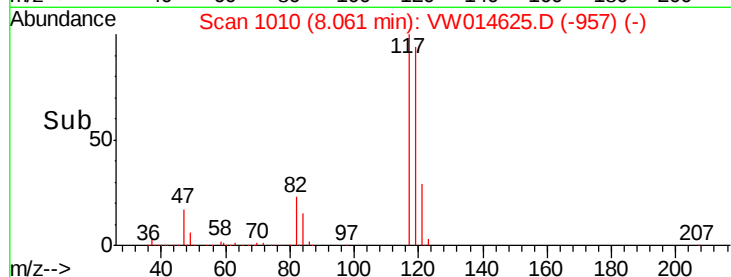
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.309 ug/L

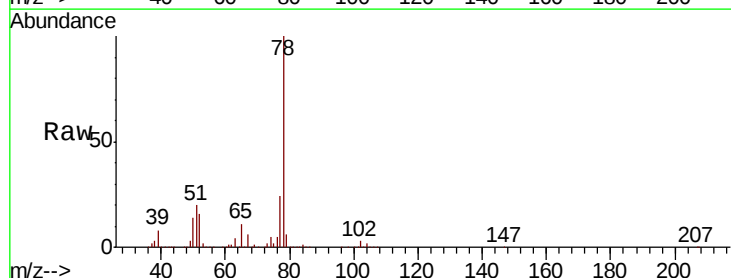
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Tgt Ion: 78 Resp: 1510686



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

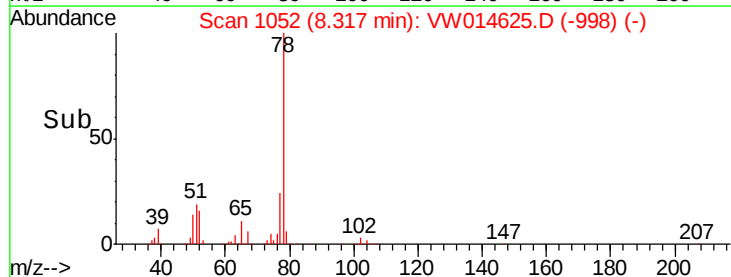
600000

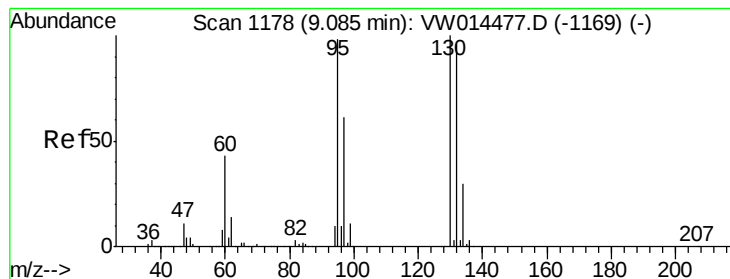
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 24.103 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 386576

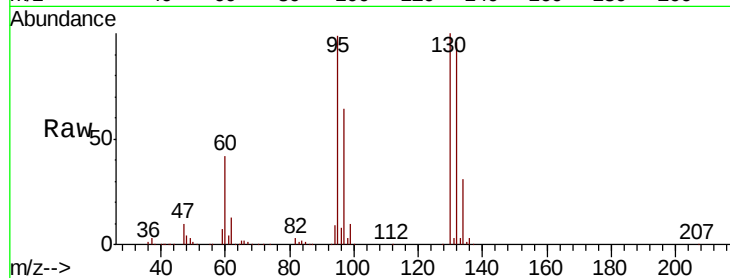
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 101.0 69.2 128.6

130 103.5 72.3 134.3

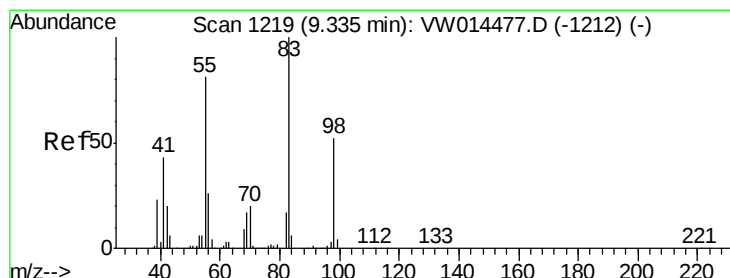
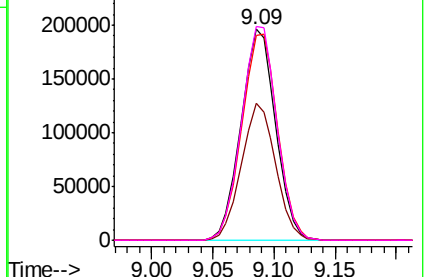
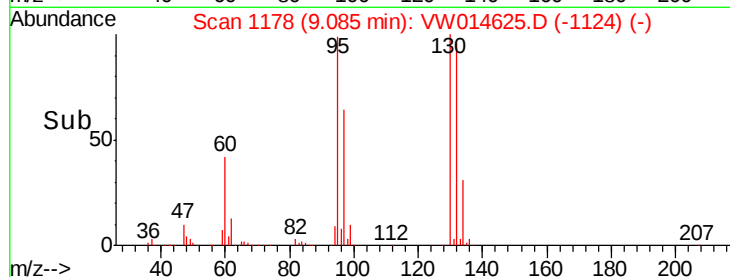


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.330 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

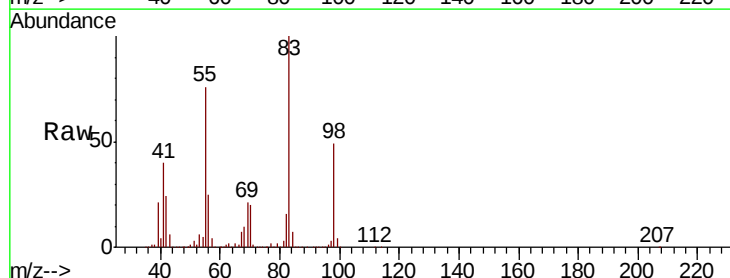
Tgt Ion: 83 Resp: 712735

Ion Ratio Lower Upper

83 100

55 77.5 63.7 95.5

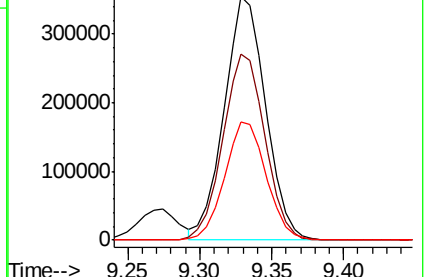
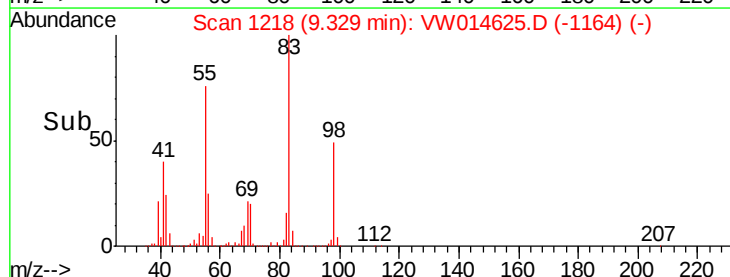
98 48.4 39.4 59.2

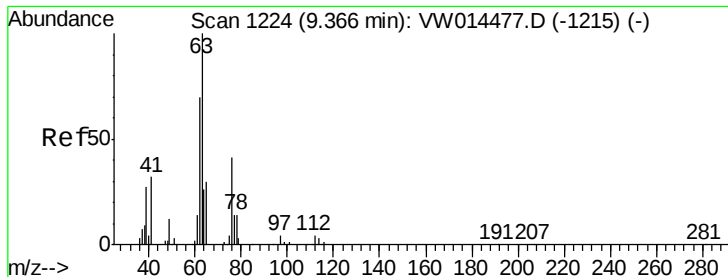


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

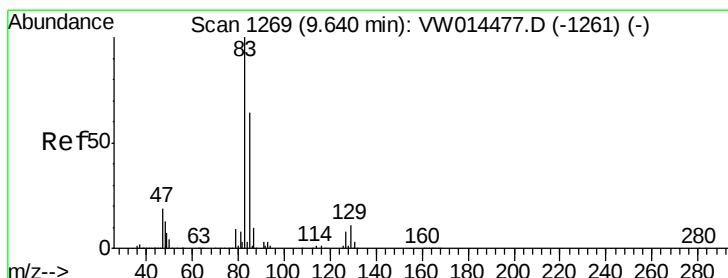
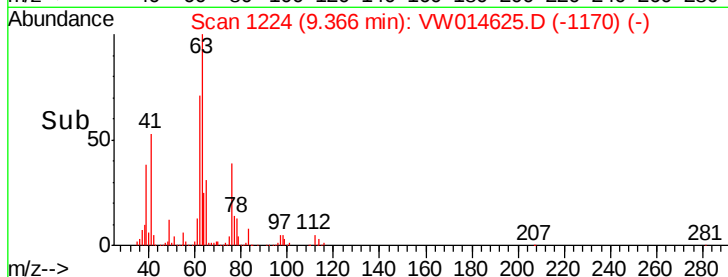
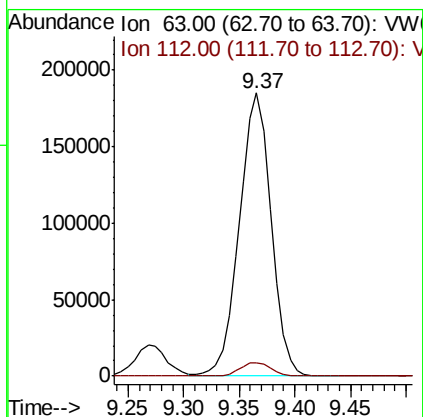
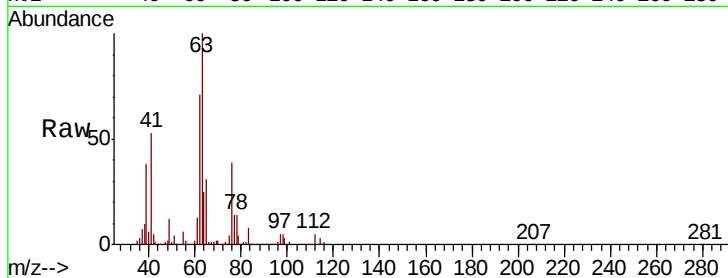




#40
 1,2-Dichloropropane
 Concen: 23.334 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

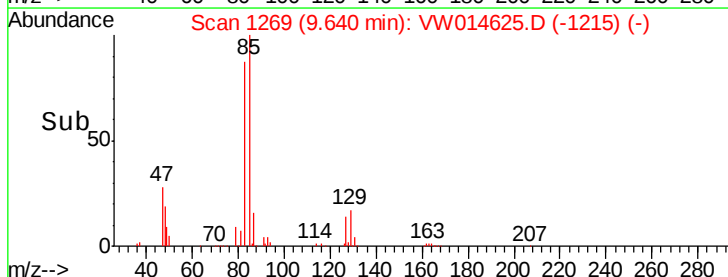
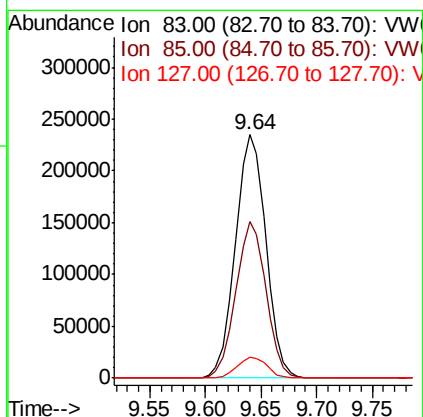
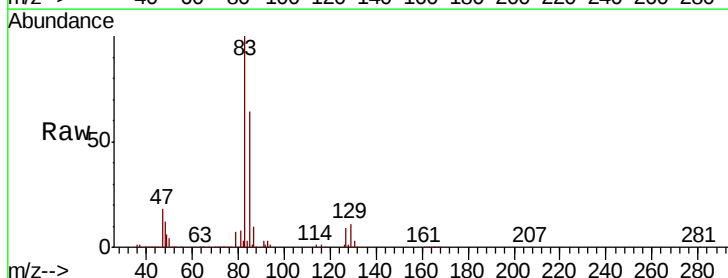
Instrument :
 MSVOA_W
 ClientSampleId :

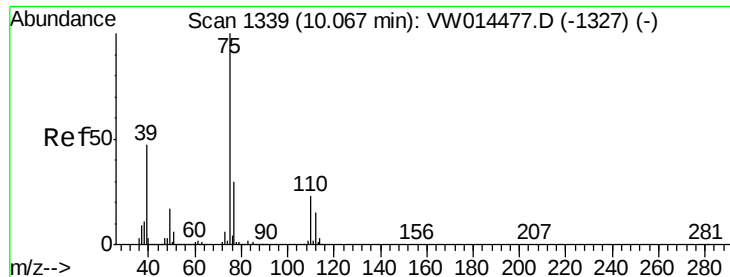
Tot Ion: 63 Resp: 367026
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.560 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

Tgt Ion: 83 Resp: 445747
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 83.1
 127 8.7 6.3 9.5

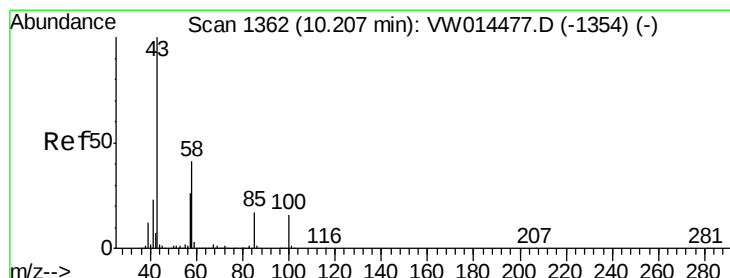
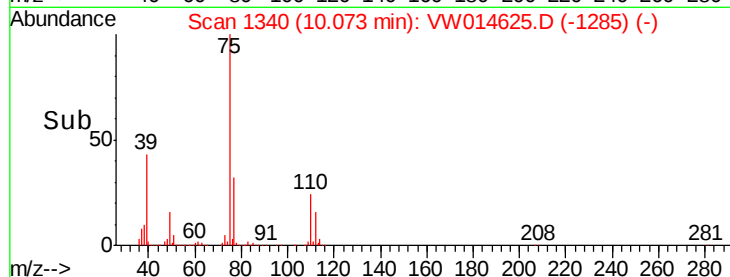
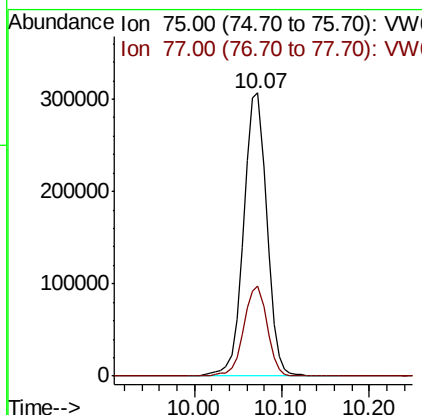
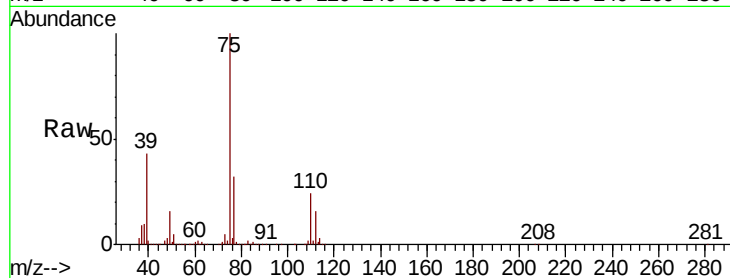




#42
 cis-1,3-Dichloropropene
 Concen: 24.075 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

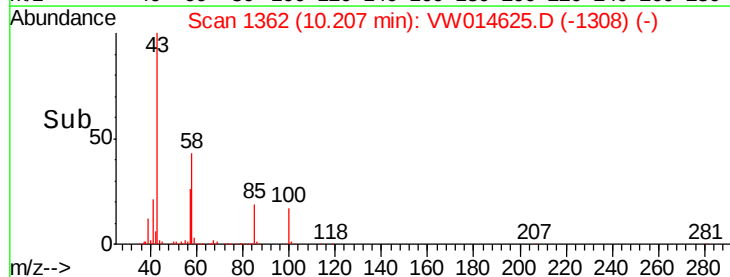
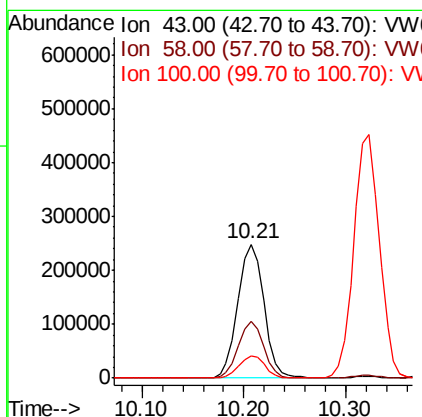
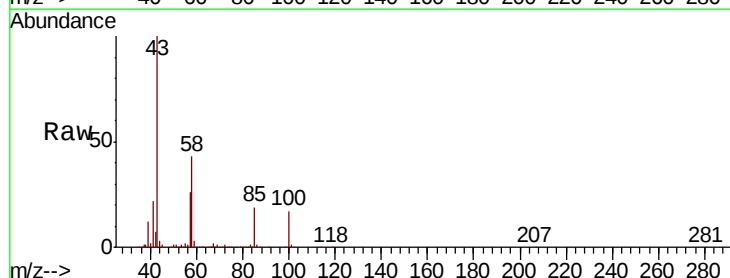
Instrument :
 MSVOA_W
 ClientSampleId :

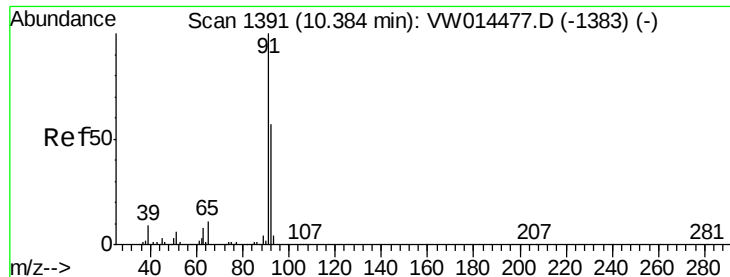
Tot Ion: 75 Resp: 565681
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.0 39.0



#43
 4-Methyl-2-pentanone
 Concen: 43.642 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

Tgt Ion: 43 Resp: 440667
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.6 48.8
 100 16.6 12.6 19.0





#44

Toluene

Concen: 24.420 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

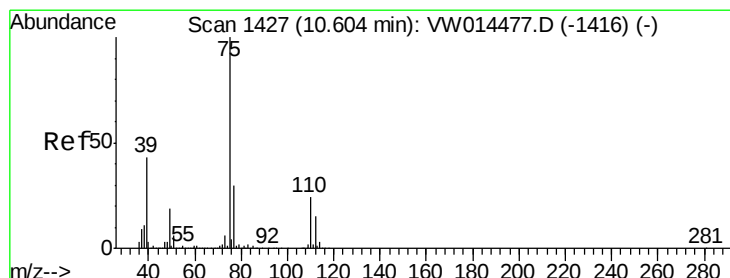
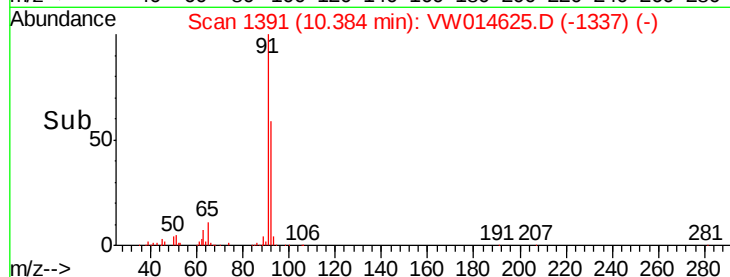
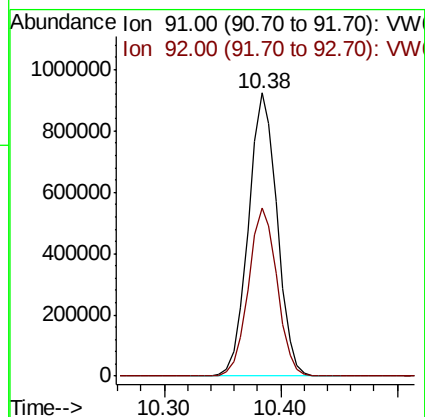
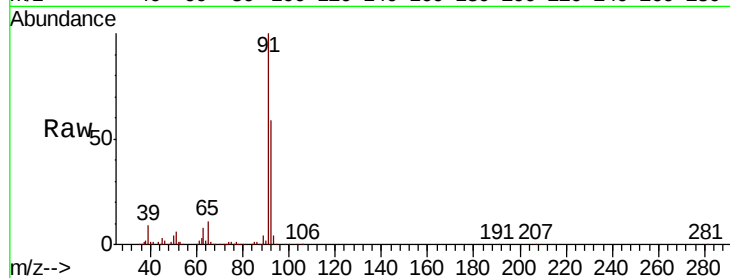
ClientSampled :

Tot Ion: 91 Resp: 1585876

Ion Ratio Lower Upper

91 100

92 59.4 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 23.517 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014625.D

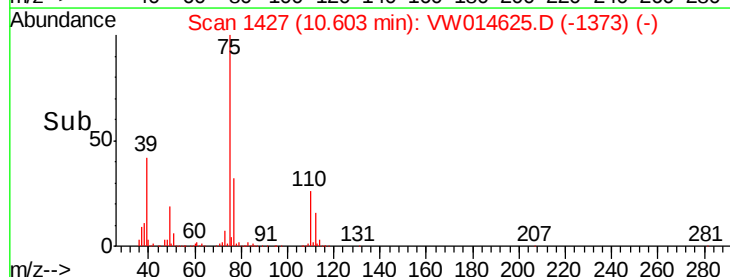
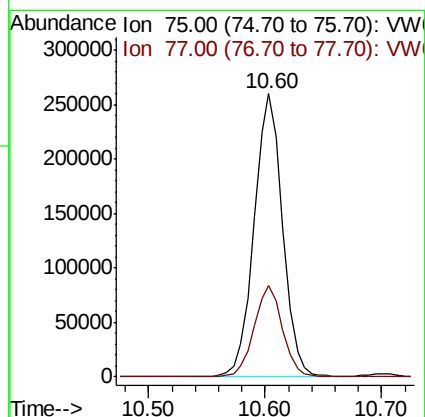
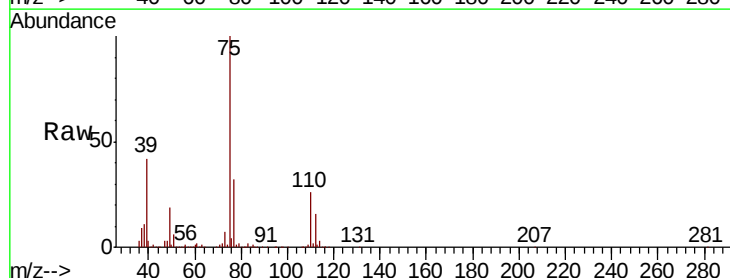
Acq: 14 Jan 2020 09:48

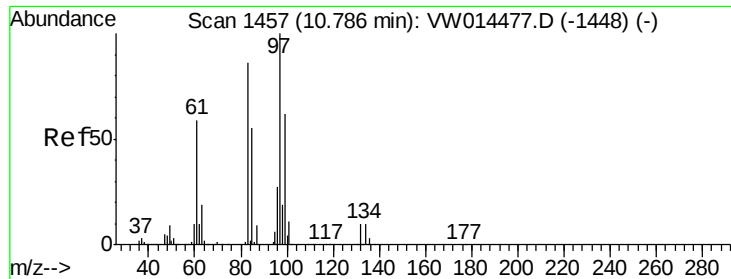
Tgt Ion: 75 Resp: 441821

Ion Ratio Lower Upper

75 100

77 32.4 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 23.264 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 259190

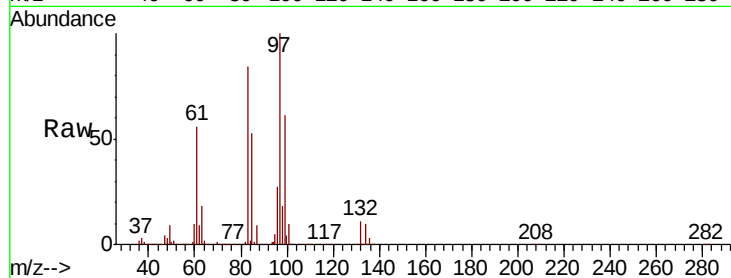
Ion Ratio Lower Upper

97 100

83 83.9 60.1 111.5

85 52.5 38.1 70.9

99 60.9 43.4 80.6

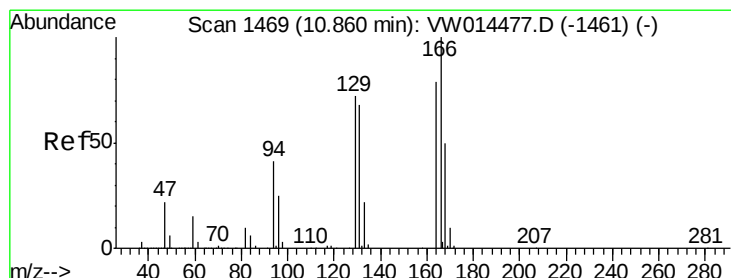
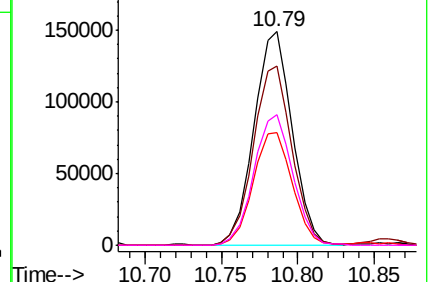
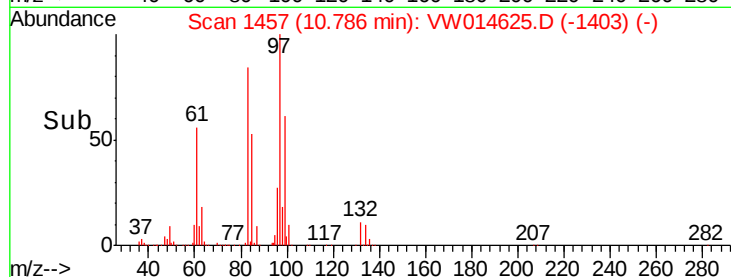


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.421 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Tgt Ion:164 Resp: 328878

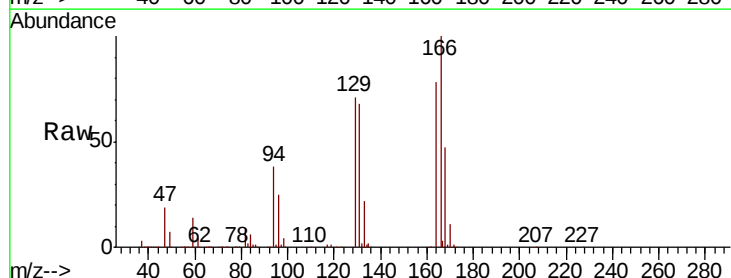
Ion Ratio Lower Upper

164 100

129 90.7 64.0 118.8

131 87.4 60.2 111.8

166 127.7 88.2 163.8

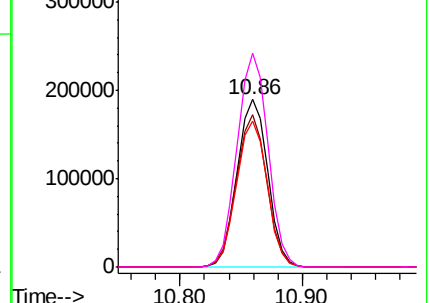
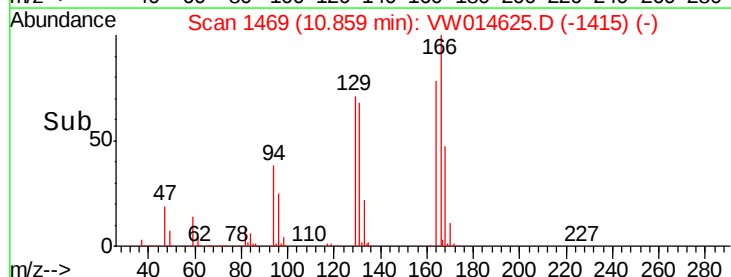


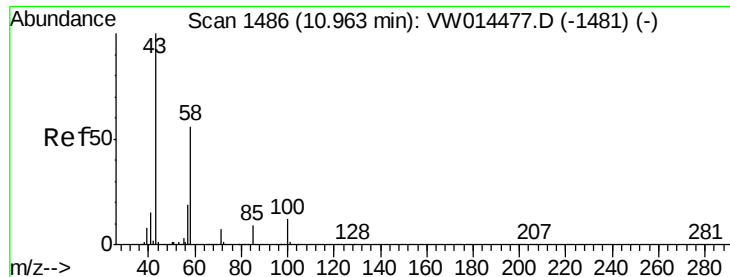
Abundance Ion 164.00 (163.70 to 164.70): V

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

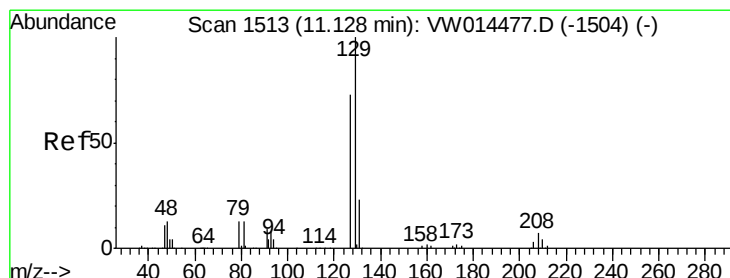
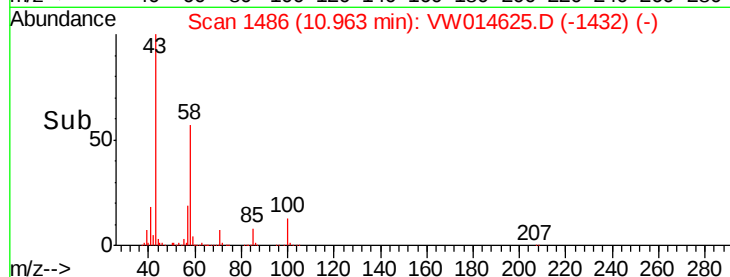
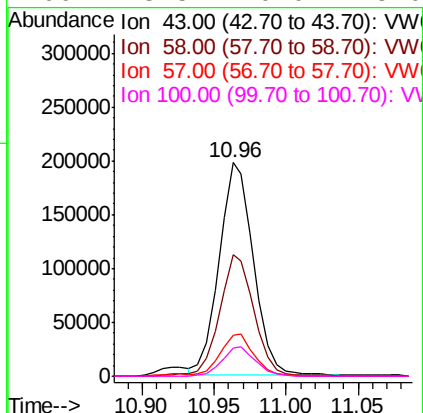
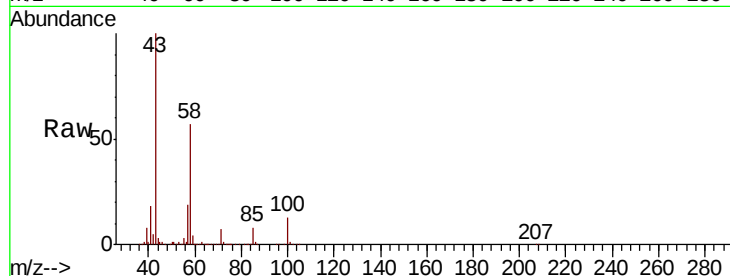




#49
2-Hexanone
Concen: 47.835 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

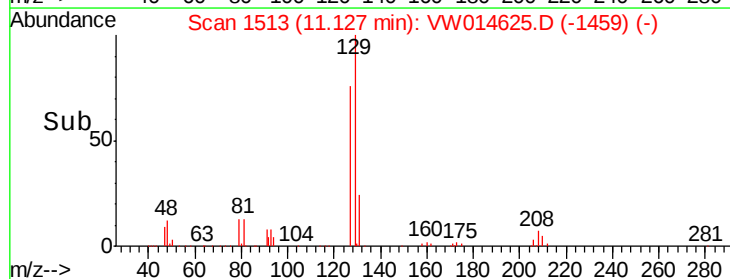
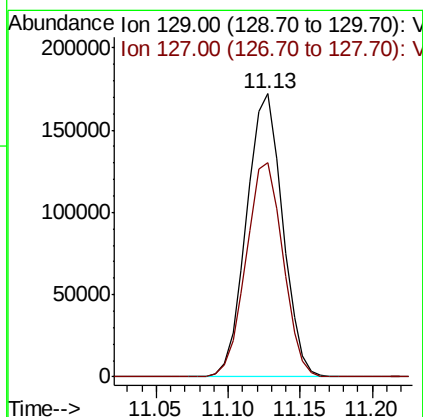
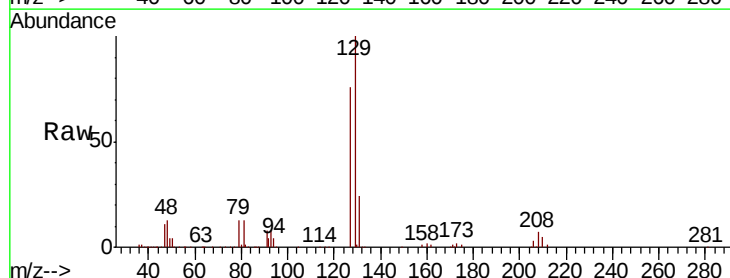
Instrument :
MSVOA_W
ClientSampleId :

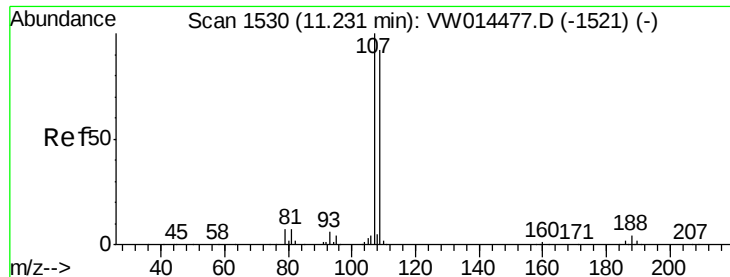
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	44.9	67.3
57	19.6	15.3	22.9
100	13.5	10.0	15.0



#50
Dibromochloromethane
Concen: 23.580 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	51.1	94.9





#51

1,2-Dibromoethane

Concen: 23.359 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampleId :

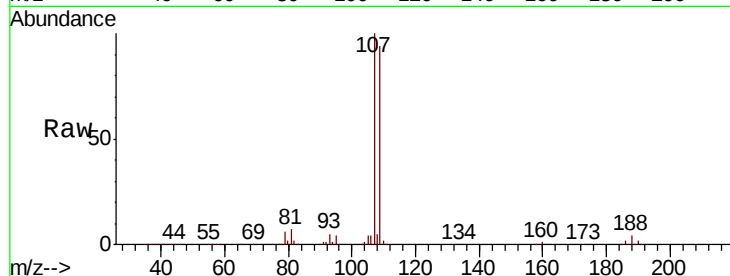
Tot Ion:107 Resp: 245664

Ion Ratio Lower Upper

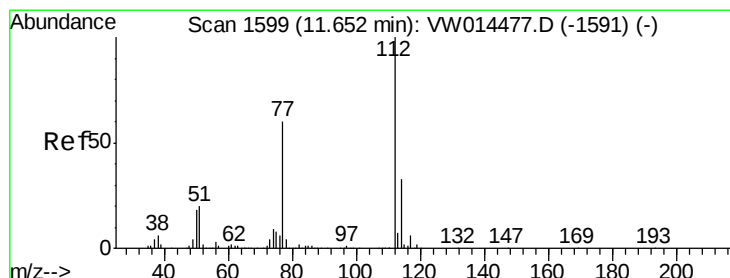
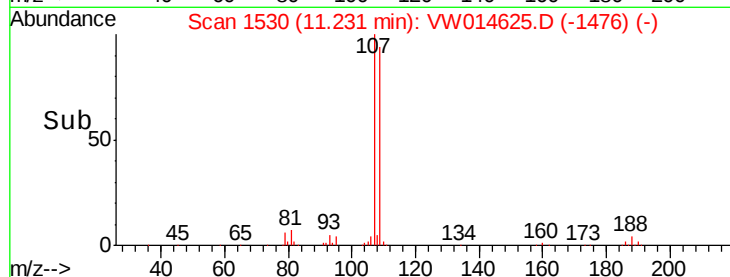
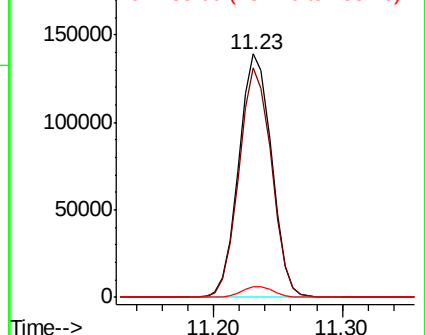
107 100

109 94.1 64.7 120.1

188 4.2 3.0 4.6



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



#52

Chlorobenzene

Concen: 23.666 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

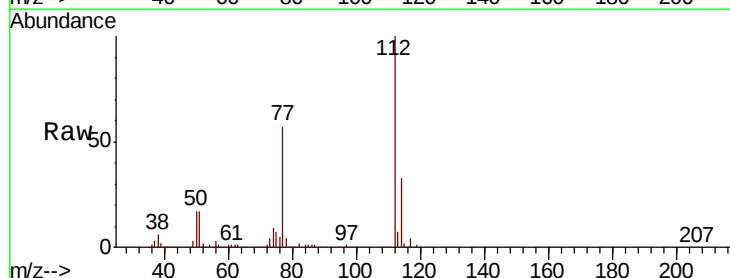
Tgt Ion:112 Resp: 971556

Ion Ratio Lower Upper

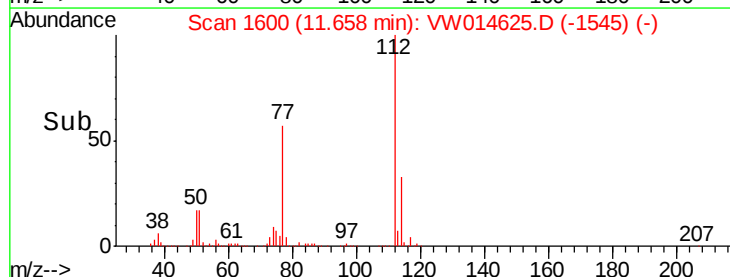
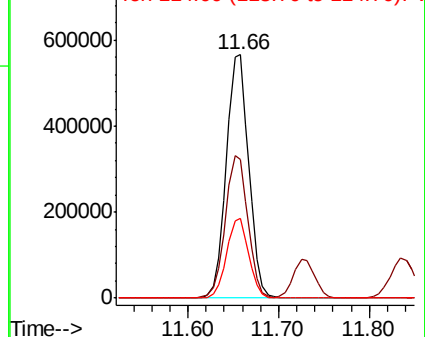
112 100

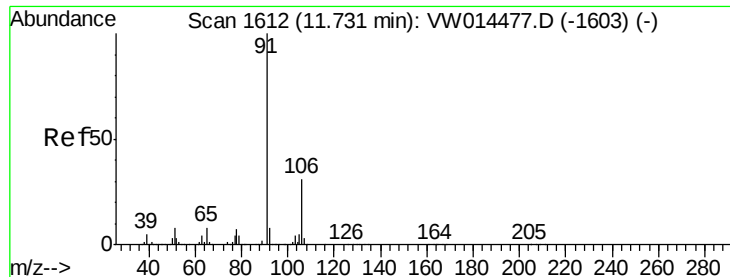
77 56.9 48.2 72.2

114 32.7 22.9 42.5



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

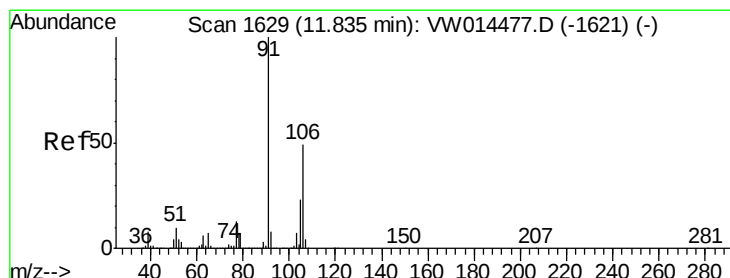
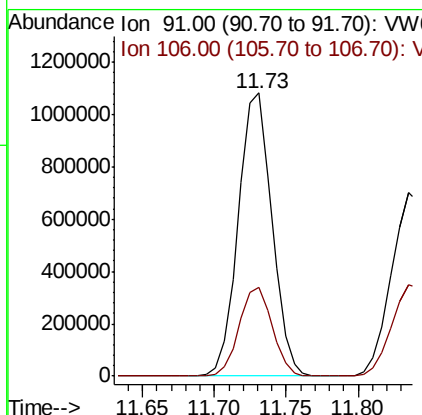
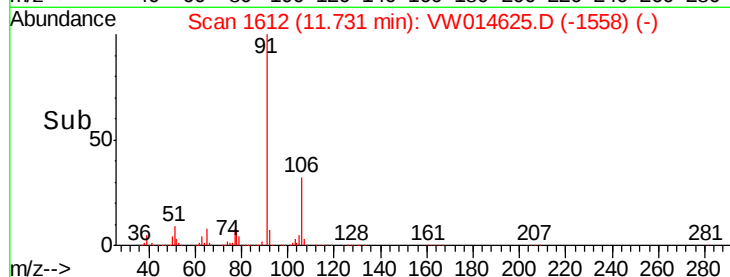
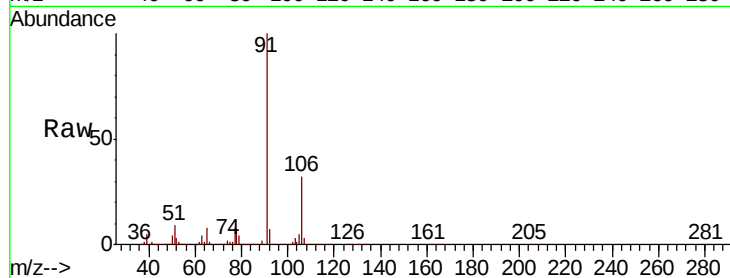




#53
Ethylbenzene
Concen: 24.583 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

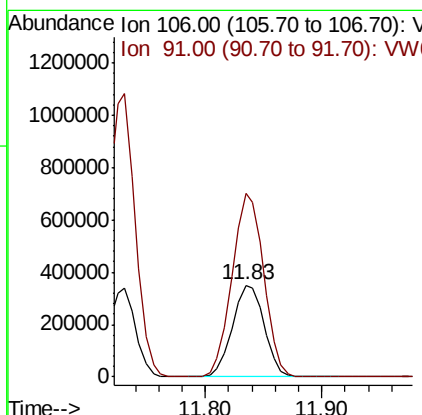
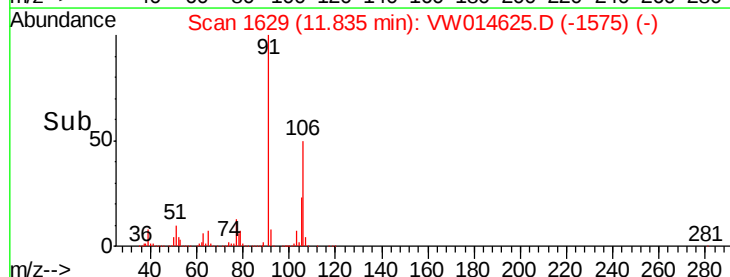
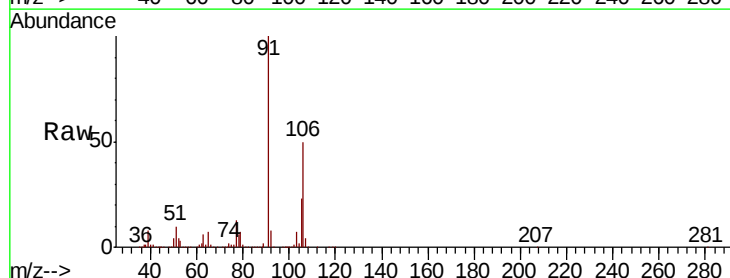
Instrument :
MSVOA_W
ClientSampleId :

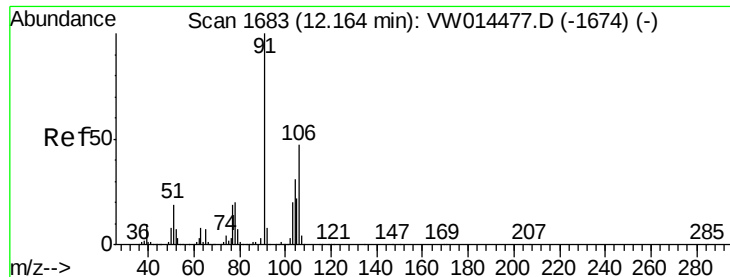
Tot Ion: 91 Resp: 1755320
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.6



#54
m,p-Xylene
Concen: 24.711 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014625.D
Acq: 14 Jan 2020 09:48

Tgt Ion: 106 Resp: 667708
Ion Ratio Lower Upper
106 100
91 200.1 142.2 264.0





#55

o-xylene

Concen: 24.481 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

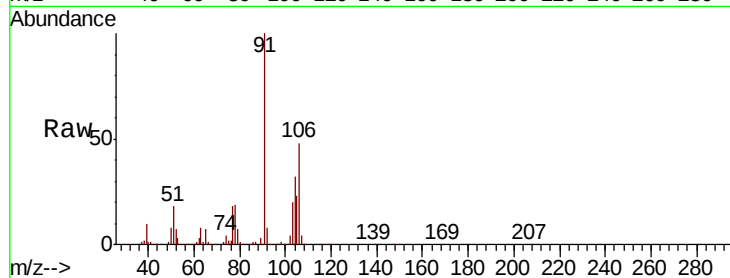
ClientSampled :

Tot Ion:106 Resp: 624829

Ion Ratio Lower Upper

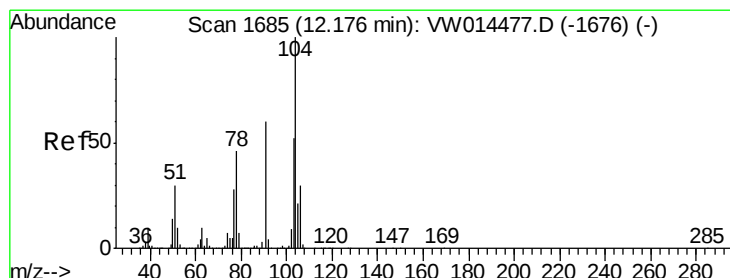
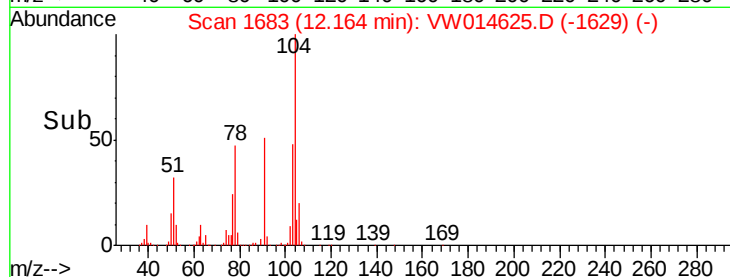
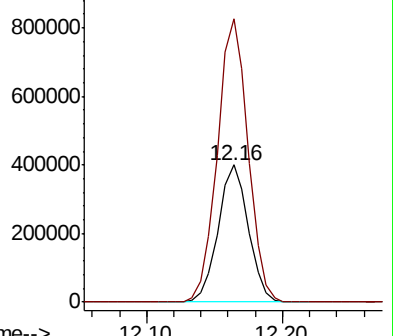
106 100

91 206.7 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.752 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014625.D

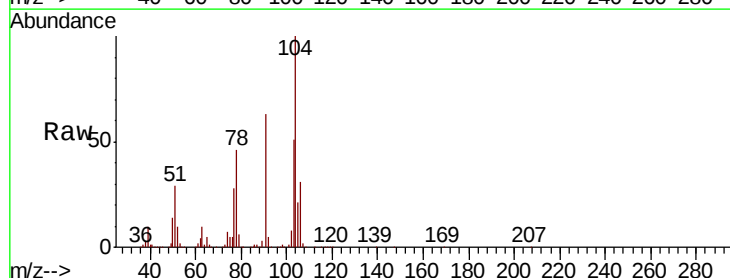
Acq: 14 Jan 2020 09:48

Tgt Ion:104 Resp: 1063316

Ion Ratio Lower Upper

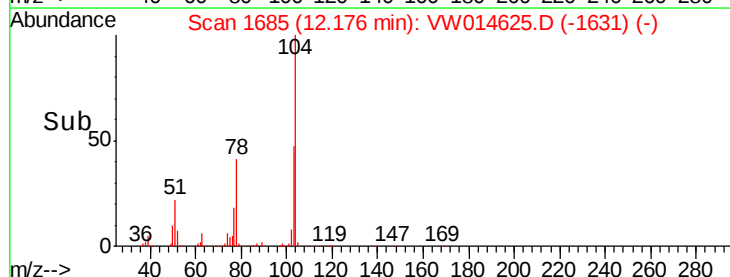
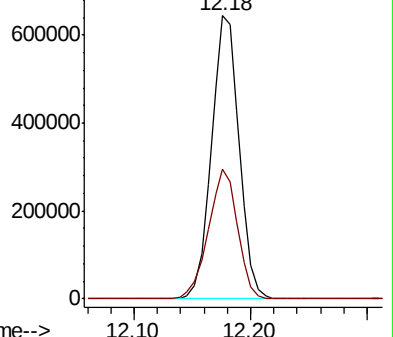
104 100

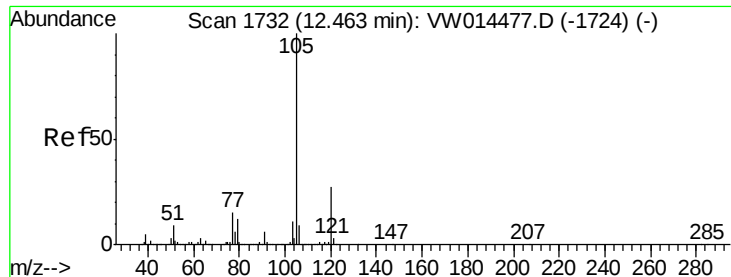
78 45.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.155 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampleId :

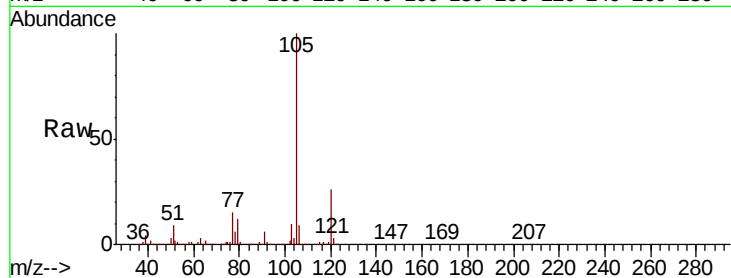
Tot Ion:105 Resp: 1707795

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 14.9 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

1500000

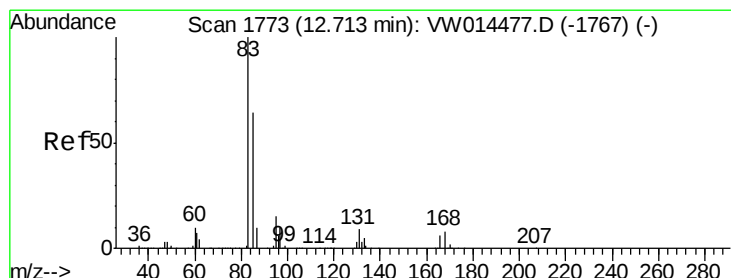
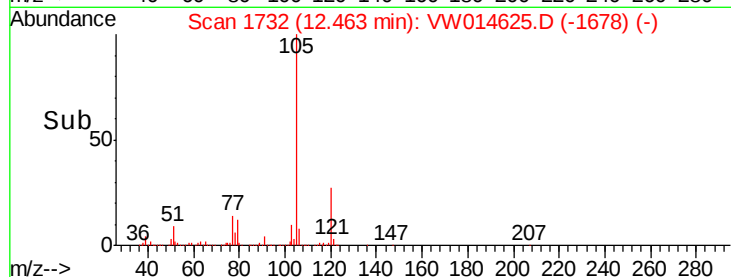
12.46

1000000

500000

0

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 22.555 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

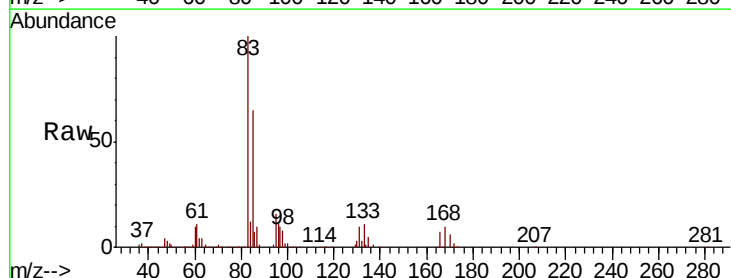
Tgt Ion: 83 Resp: 305101

Ion Ratio Lower Upper

83 100

85 65.0 45.3 84.1

131 9.5 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

250000

12.71

200000

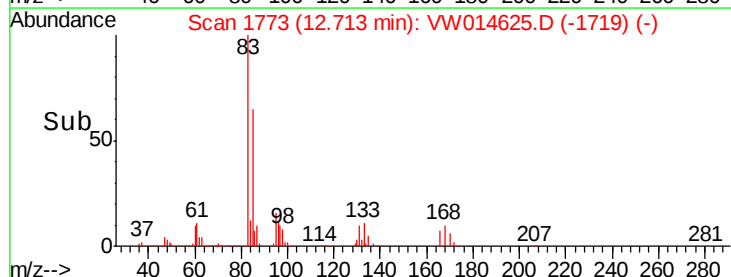
150000

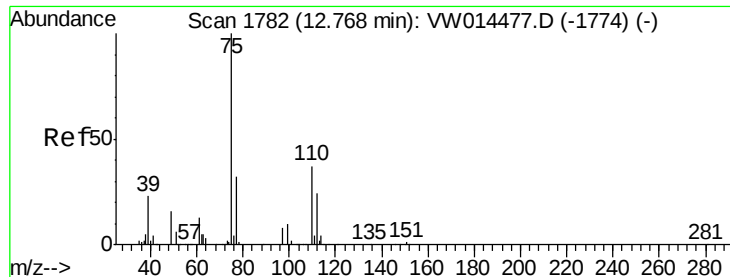
100000

50000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 22.180 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

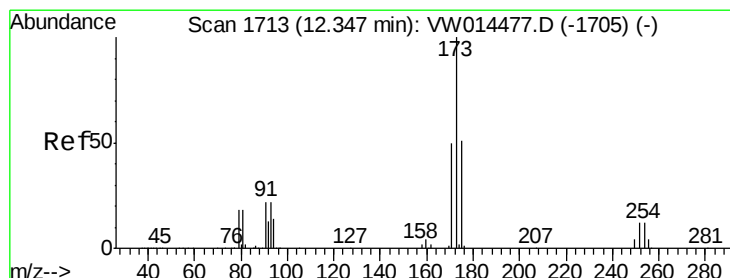
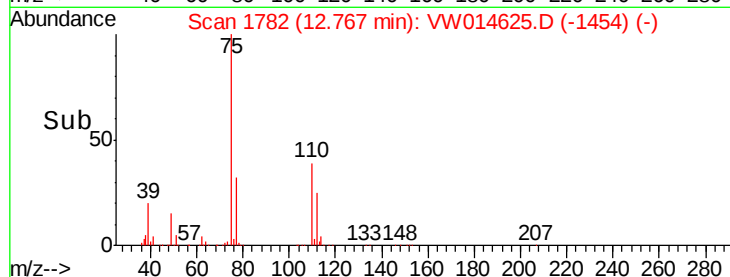
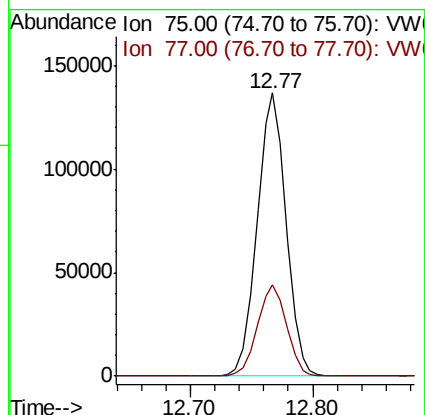
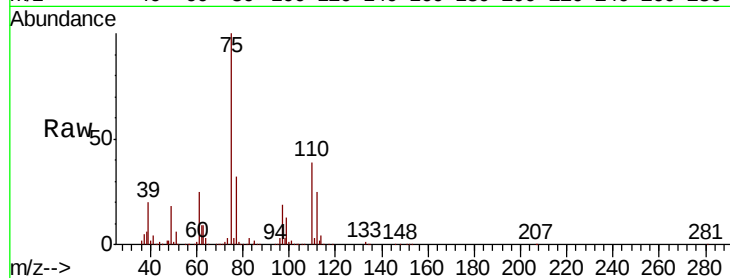
ClientSampled :

Tot Ion: 75 Resp: 224762

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#62

Bromoform

Concen: 22.687 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

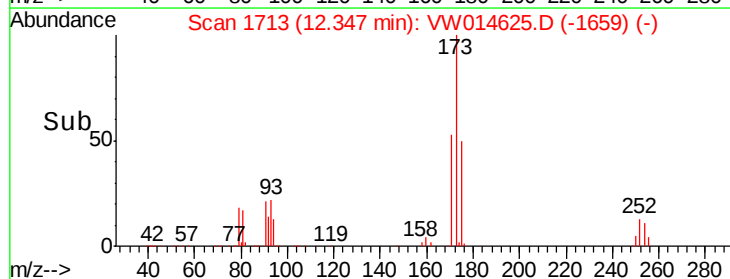
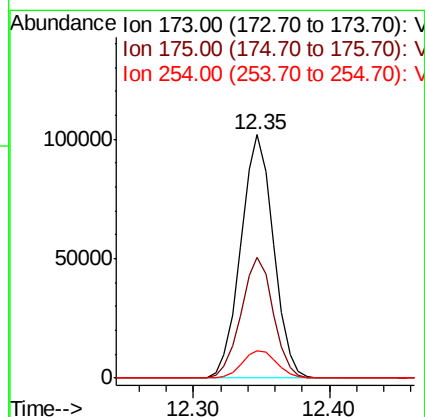
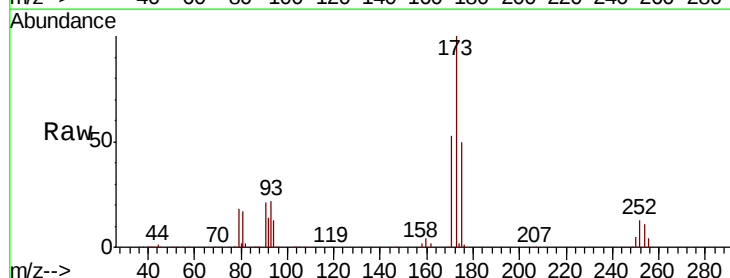
Tgt Ion: 173 Resp: 170343

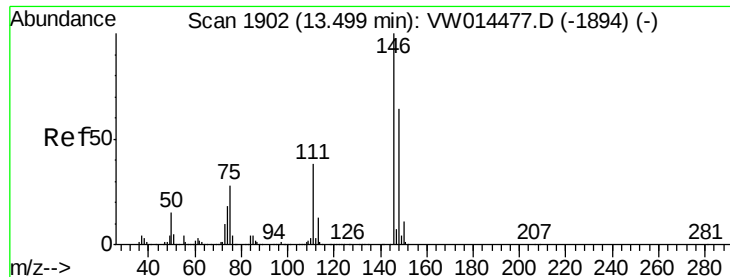
Ion Ratio Lower Upper

173 100

175 49.2 40.5 60.7

254 12.0 9.3 13.9

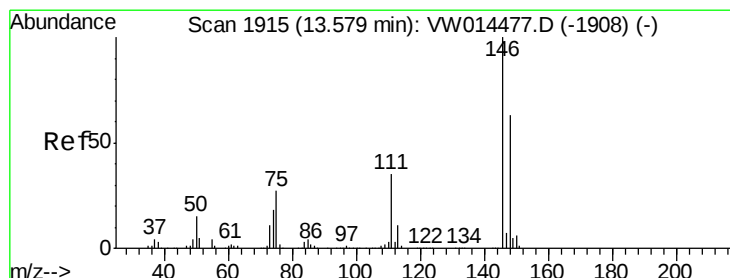
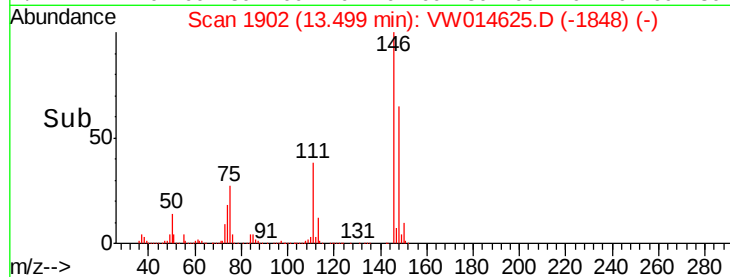
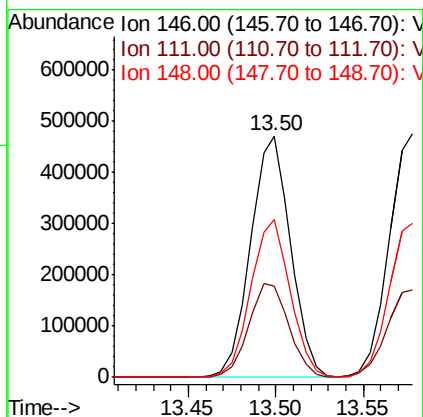
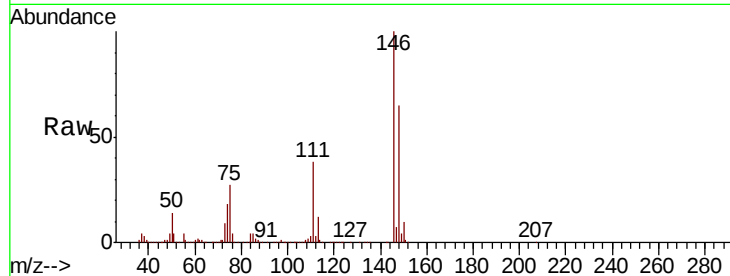




#63
 1,3-Dichlorobenzene
 Concen: 23.726 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

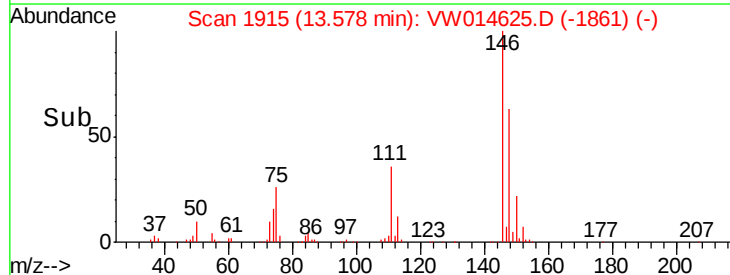
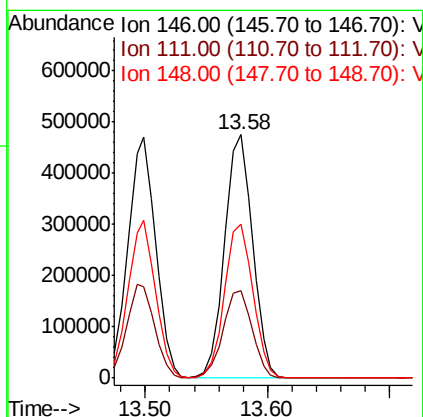
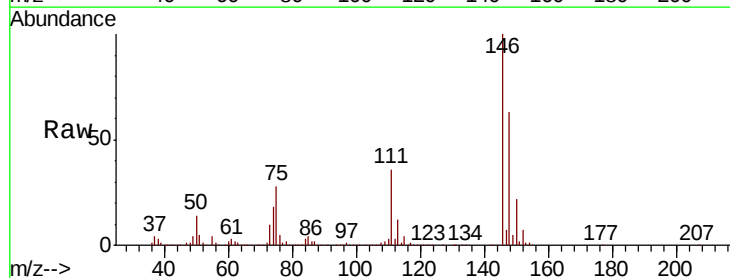
Instrument :
 MSVOA_W
 ClientSampleId :

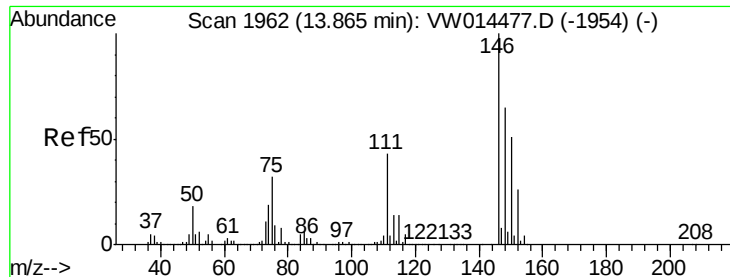
Tot Ion:146 Resp: 754744
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.9 50.1
 148 65.5 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 23.475 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

Tgt Ion:146 Resp: 752986
 Ion Ratio Lower Upper
 146 100
 111 35.8 24.5 45.5
 148 63.3 44.4 82.4

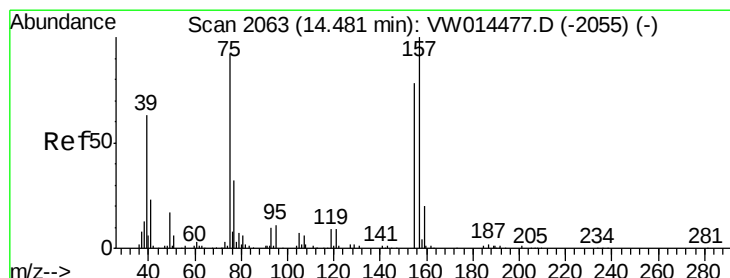
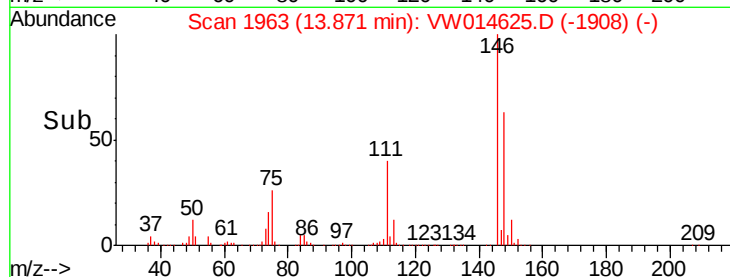
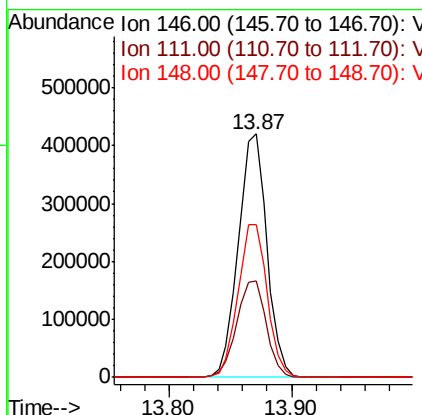
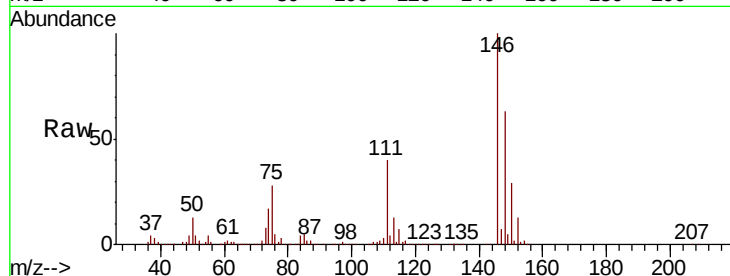




#65
 1,2-Dichlorobenzene
 Concen: 23.820 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

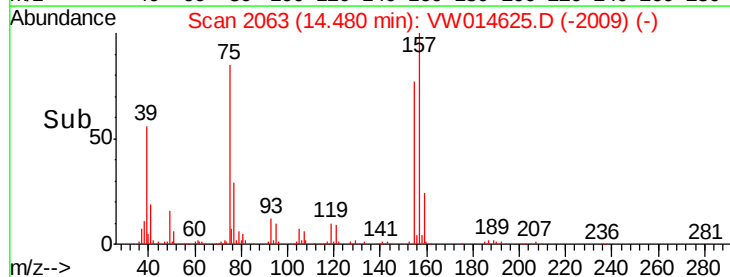
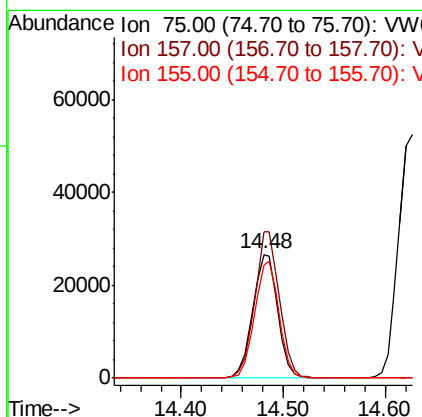
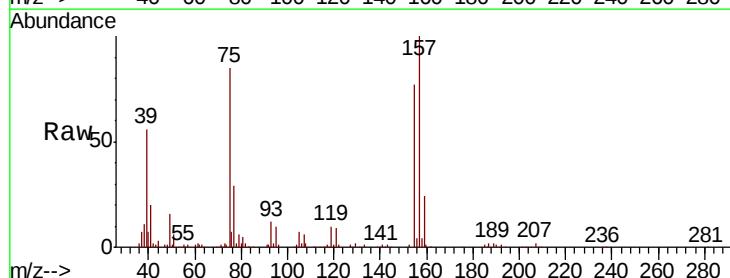
Instrument :
 MSVOA_W
 ClientSampled :

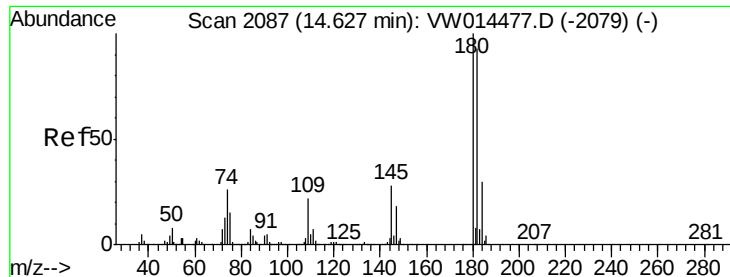
Tot Ion:146 Resp: 679279
 Ion Ratio Lower Upper
 146 100
 111 39.7 34.2 51.2
 148 62.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.574 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

Tgt Ion: 75 Resp: 45560
 Ion Ratio Lower Upper
 75 100
 157 117.8 87.2 130.8
 155 91.1 67.8 101.8

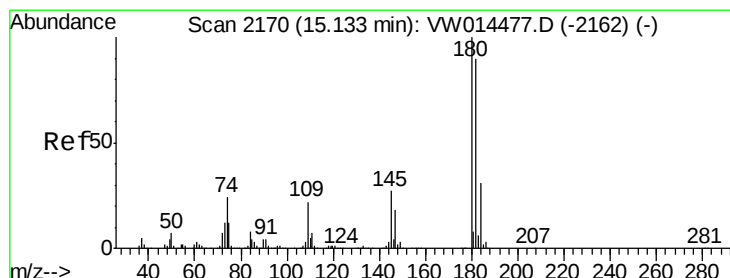
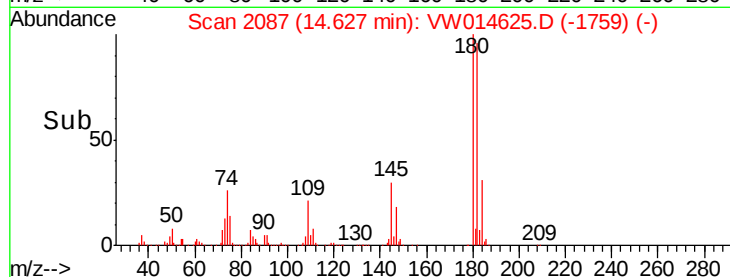
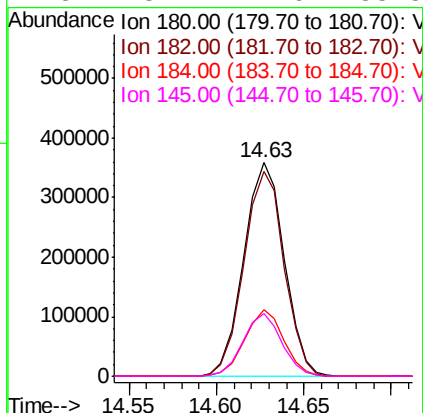
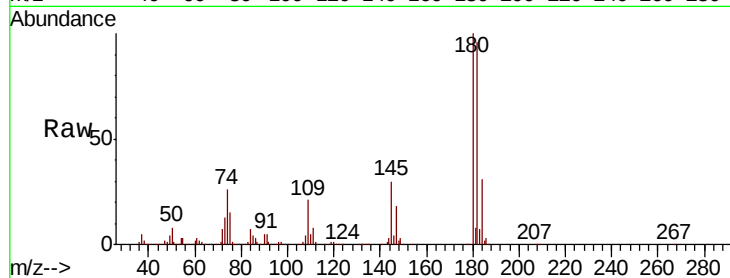




#67
 1,3,5-Trichlorobenzene
 Concen: 24.446 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

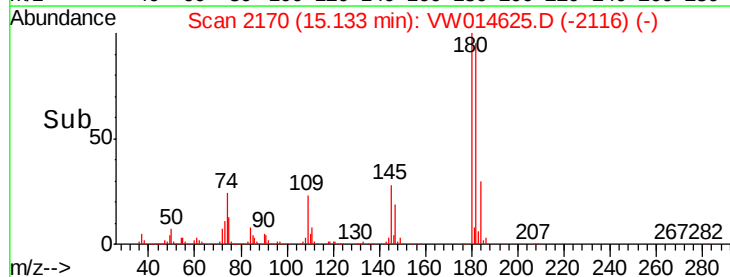
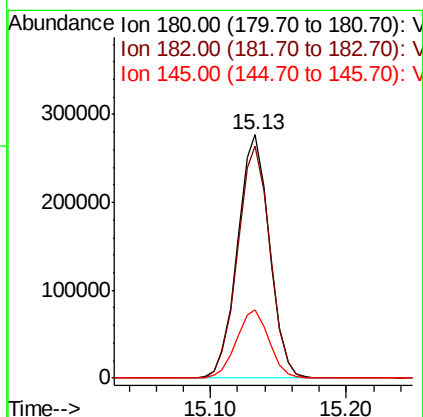
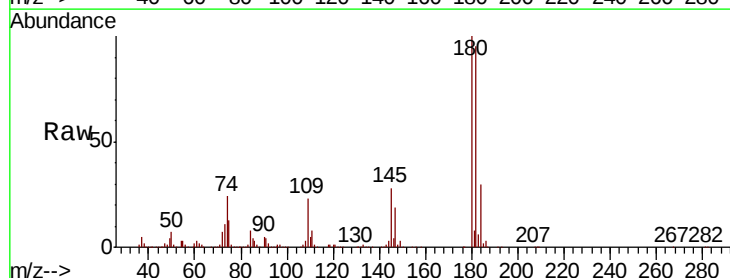
Instrument :
 MSVOA_W
 ClientSampleId :

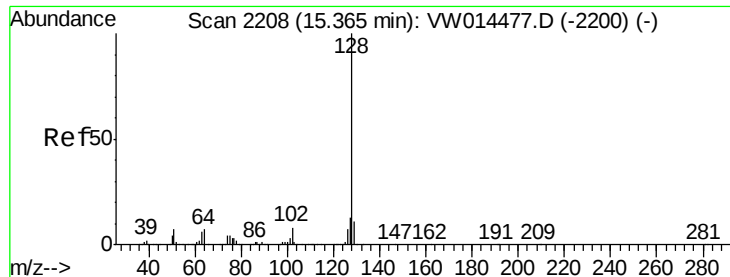
Tot Ion:180	Resp:	576074
Ion	Ratio	Lower Upper
180	100	
182	95.5	75.8 113.6
184	30.1	24.0 36.0
145	28.2	22.6 33.8



#68
 1,2,4-trichlorobenzene
 Concen: 25.664 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014625.D
 Acq: 14 Jan 2020 09:48

Tgt Ion:180	Resp:	453352
Ion	Ratio	Lower Upper
180	100	
182	96.7	76.2 114.4
145	28.6	23.1 34.7





#69

Naphthalene

Concen: 26.331 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

Instrument :

MSVOA_W

ClientSampleId :

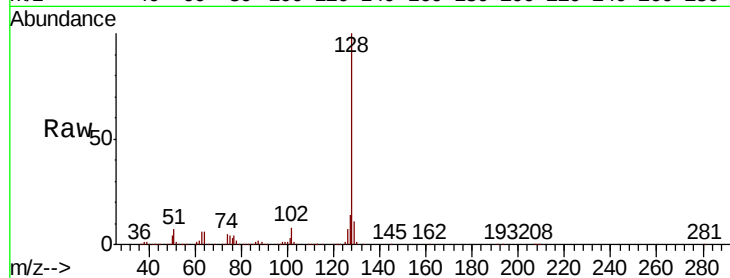
Tot Ion:128 Resp: 803013

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.1 10.6 16.0

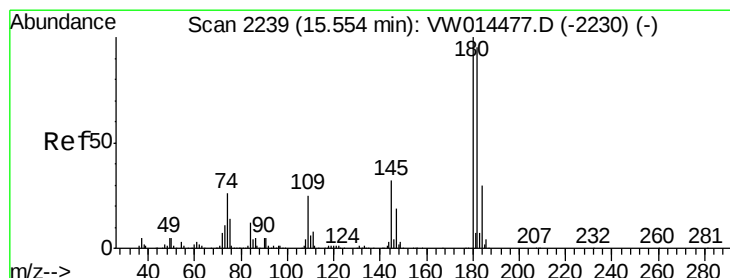
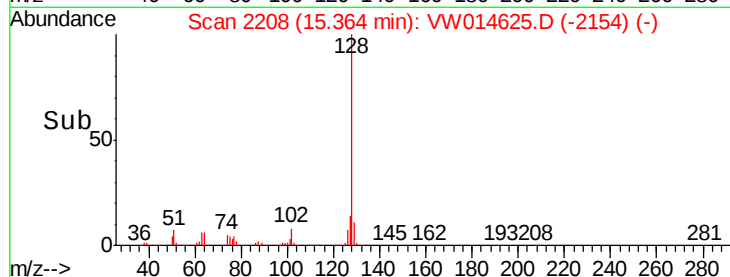
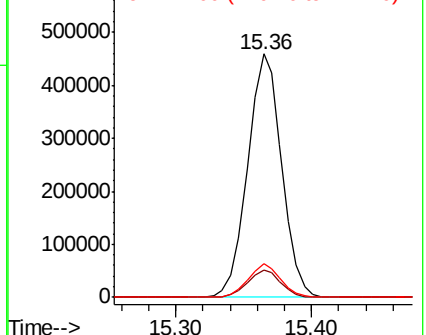


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.756 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014625.D

Acq: 14 Jan 2020 09:48

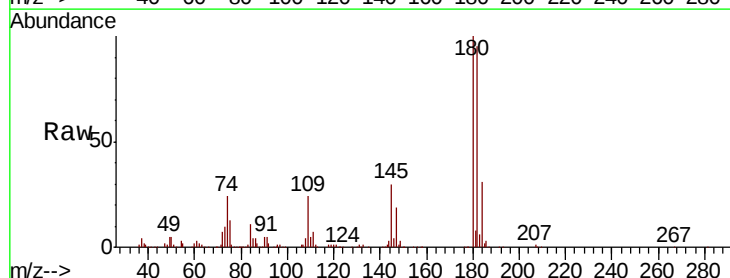
Tgt Ion:180 Resp: 412279

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

145 30.5 24.9 37.3



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

