

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021120\
 Data File : VW014968.D
 Acq On : 11 Feb 2020 16:38
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 12 00:15:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 00:12:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	712689	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	670748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	308281	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	303932	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.04%
7) Chloroethane-d5	2.89	69	250584	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.12%
10) 1,1-Dichloroethene-d2	4.02	63	576207	26.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.92%
20) 2-Butanone-d5	7.07	46	194582	58.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.52%
24) Chloroform-d	7.65	84	566996	28.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.08%
26) 1,2-Dichloroethane-d4	8.30	65	328138	29.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.20%
29) Benzene-d6	8.27	84	1094372	25.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.48%
33) 1,2-Dichloropropane-d6	9.27	67	384315	27.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.36%
37) Toluene-d8	10.32	98	947722	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	10.57	79	143318	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.28%
39) 2-Hexanone-d5	10.92	63	142739	55.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	290996	27.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	277825	23.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	192477	26.270	ug/L	96
3) Chloromethane	2.21	50	303456	27.332	ug/L	100
5) Vinyl chloride	2.37	62	406231	28.023	ug/L	97
6) Bromomethane	2.78	94	180051	24.839	ug/L	99
8) Chloroethane	2.93	64	225256	28.400	ug/L	98
9) Trichlorofluoromethane	3.26	101	167162	28.526	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	288422	27.882	ug/L	93
12) 1,1-Dichloroethene	4.04	96	257261	25.447	ug/L	90
13) Acetone	4.12	43	187881	54.971	ug/L	96
14) Carbon disulfide	4.39	76	823873	27.141	ug/L	99
15) Methyl Acetate	4.67	43	174517	31.029	ug/L	94
16) Methylene chloride	4.92	84	316302	24.361	ug/L	86
17) Methyl tert-butyl Ether	5.43	73	346291	26.219	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	267071	26.073	ug/L	86
19) 1,1-Dichloroethane	6.21	63	616792	29.722	ug/L	99
21) 2-Butanone	7.17	43	234725	58.658	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	291049	26.269	ug/L	94

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

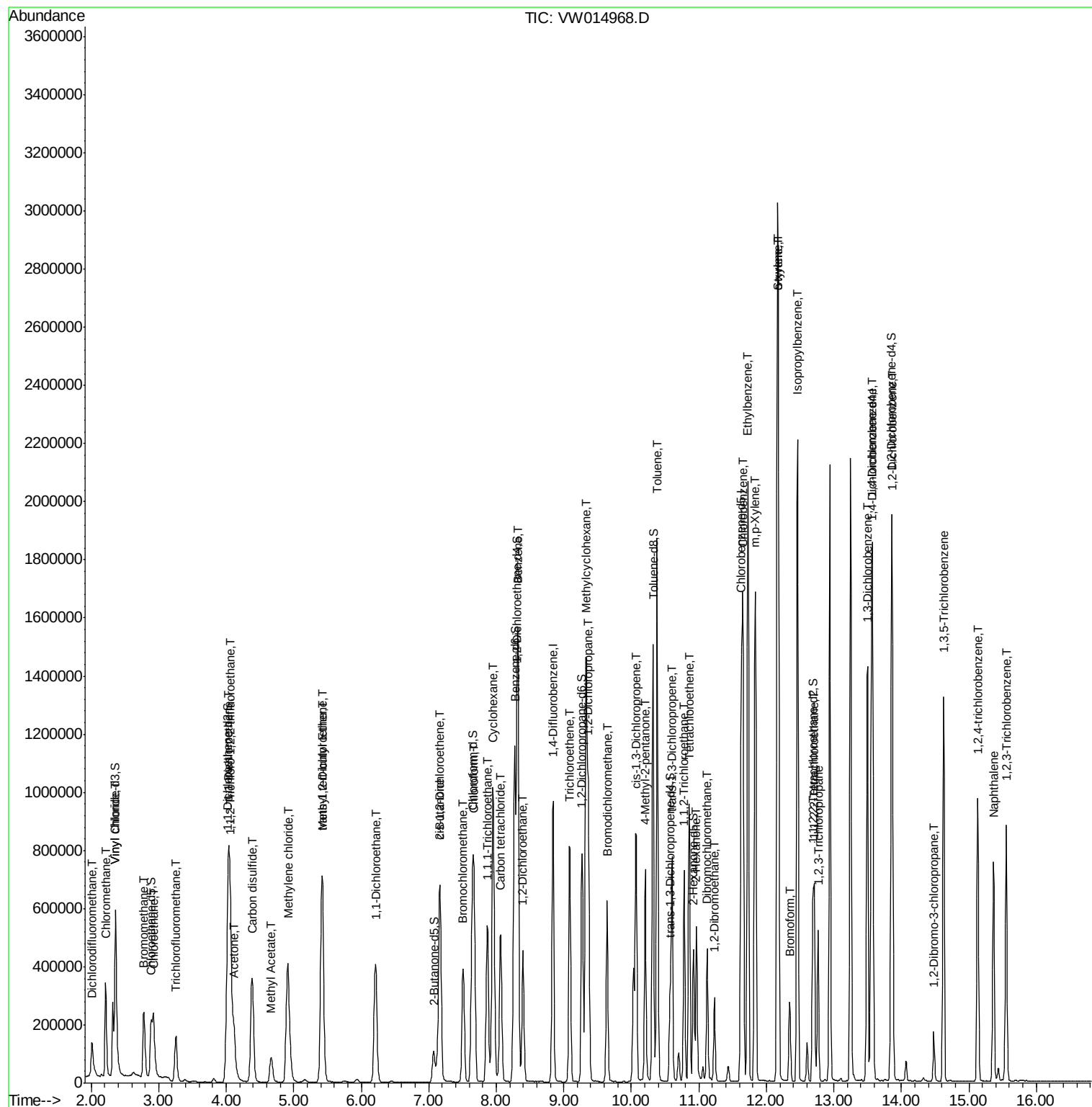
23) Bromochloromethane	7.51	128	113625	24.996	ug/L #	82
25) Chloroform	7.67	83	560951	29.427	ug/L	99
27) 1,2-Dichloroethane	8.40	62	401395	30.542	ug/L	96
30) Cyclohexane	7.95	56	547940	27.417	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	415512	27.168	ug/L	97
32) Carbon tetrachloride	8.07	117	367569	26.736	ug/L	99
34) Benzene	8.32	78	1273064	27.601	ug/L	100
35) Trichloroethene	9.09	95	293094	25.636	ug/L	95
36) Methylcyclohexane	9.33	83	519419	26.081	ug/L	93
40) 1,2-Dichloropropane	9.37	63	359801	29.150	ug/L	99
41) Bromodichloromethane	9.64	83	402955	28.486	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	483557	27.589	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	502022	62.027	ug/L	95
44) Toluene	10.38	91	1279880	27.334	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	395509	28.022	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	218913	26.942	ug/L	95
47) Tetrachloroethene	10.86	164	189253	22.528	ug/L	95
49) 2-Hexanone	10.96	43	365718	64.329	ug/L #	94
50) Dibromochloromethane	11.13	129	228700	26.188	ug/L	99
51) 1,2-Dibromoethane	11.23	107	191057	25.271	ug/L	100
52) Chlorobenzene	11.65	112	719116	25.119	ug/L	95
53) Ethylbenzene	11.73	91	1398817	27.307	ug/L	98
54) m,p-Xylene	11.83	106	495067	26.458	ug/L	91
55) o-xylene	12.16	106	470216	26.405	ug/L	96
56) Styrene	12.18	104	834007	27.711	ug/L	94
57) Isopropylbenzene	12.46	105	1289862	26.970	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	290528	28.646	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	216269	28.343	ug/L	100
62) Bromoform	12.35	173	114927	24.455	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	516354	24.796	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	518492	24.718	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	478717	25.133	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	46388	28.563	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	346824	23.254	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	270129	22.924	ug/L	99
69) Naphthalene	15.36	128	570694	24.621	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	260405	23.933	ug/L	99

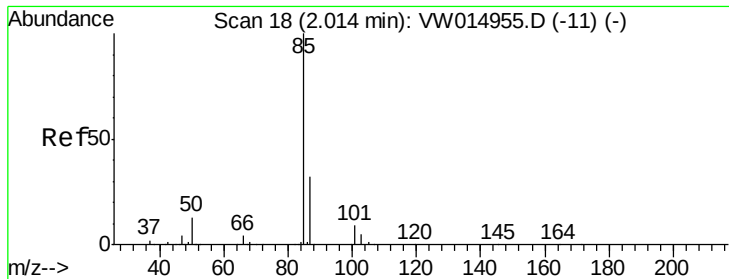
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.270 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

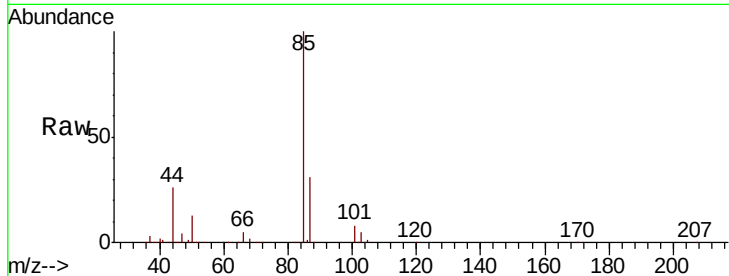
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 192477

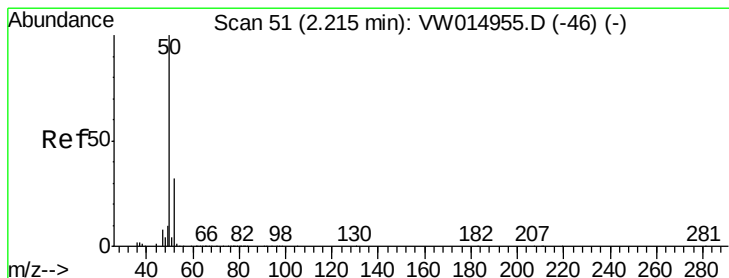
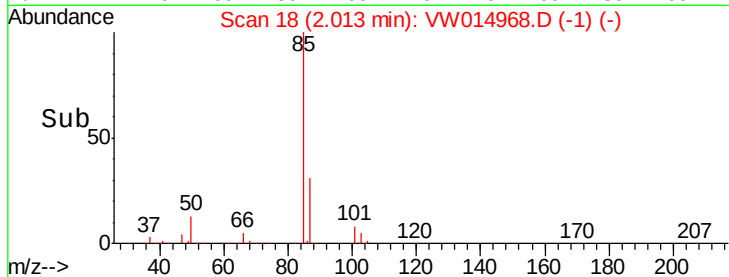
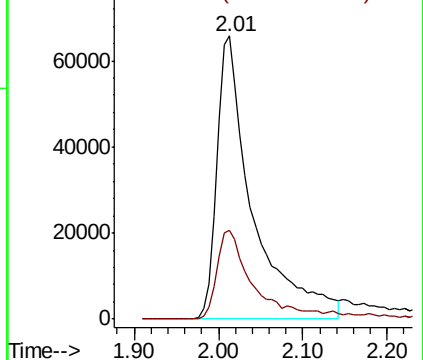
Ion Ratio Lower Upper

85 100

87 27.9 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.332 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014968.D

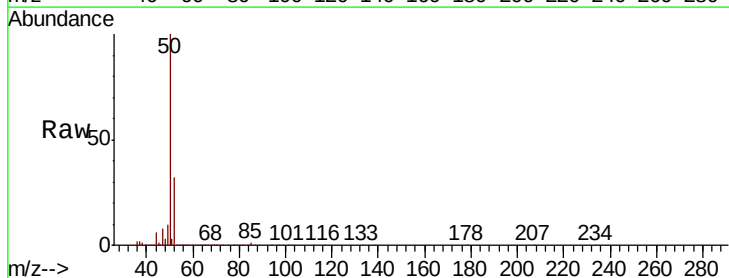
Acq: 11 Feb 2020 16:38

Tgt Ion: 50 Resp: 303456

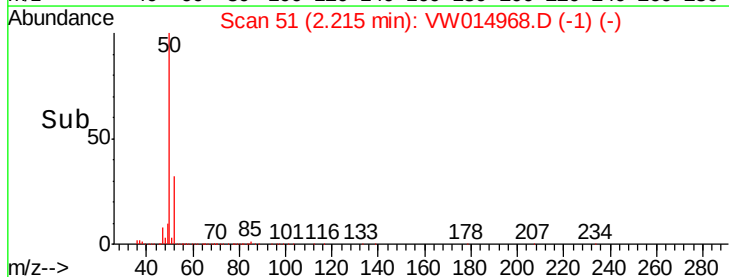
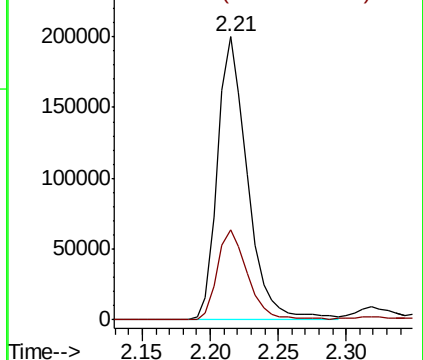
Ion Ratio Lower Upper

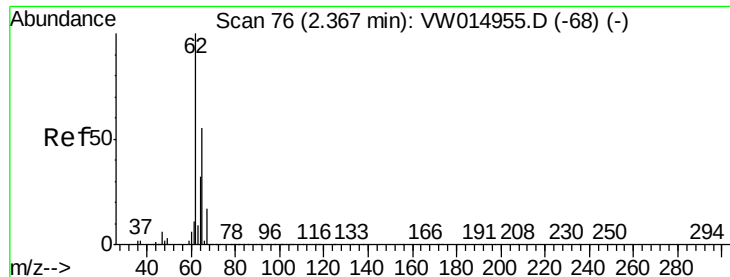
50 100

52 31.7 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.023 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

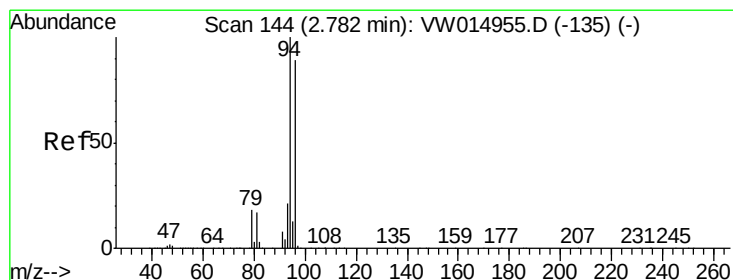
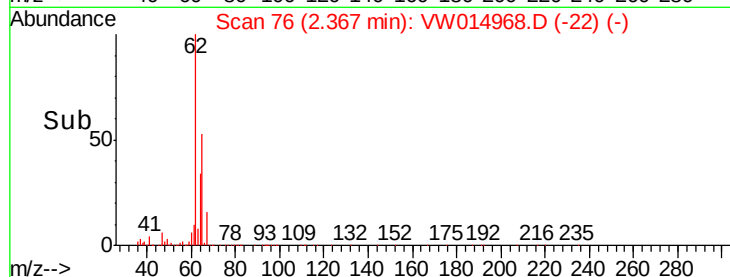
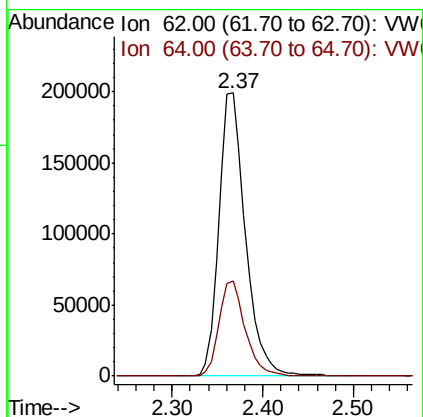
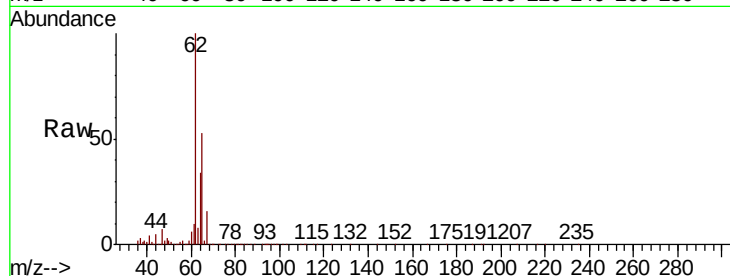
ClientSampleId :

Tot Ion: 62 Resp: 406231

Ion Ratio Lower Upper

62 100

64 33.8 22.5 41.9



#6

Bromomethane

Concen: 24.839 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014968.D

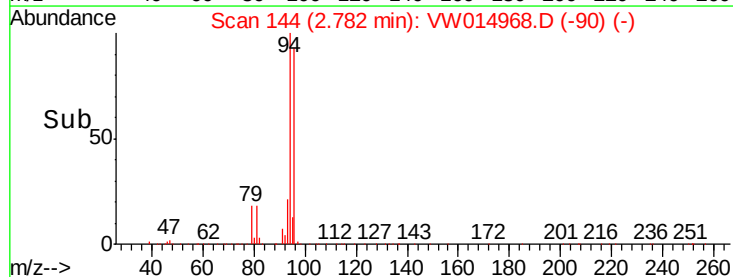
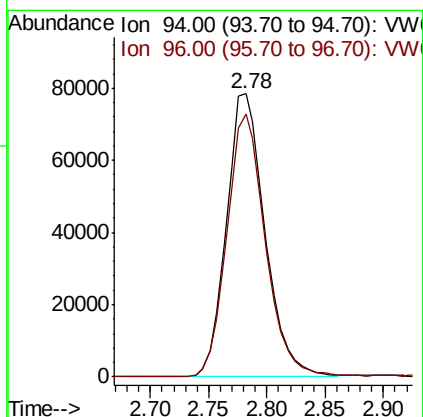
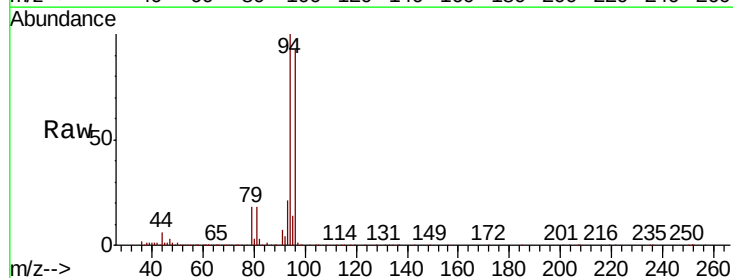
Acq: 11 Feb 2020 16:38

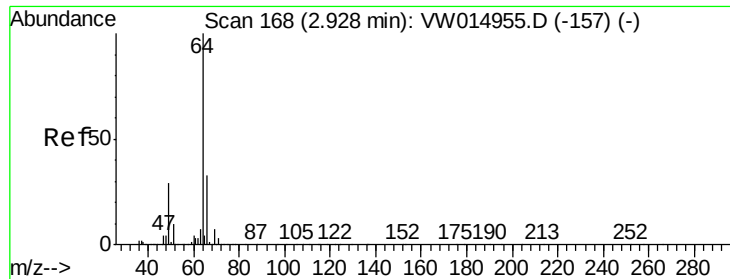
Tgt Ion: 94 Resp: 180051

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.0





#8

Chloroethane

Concen: 28.400 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

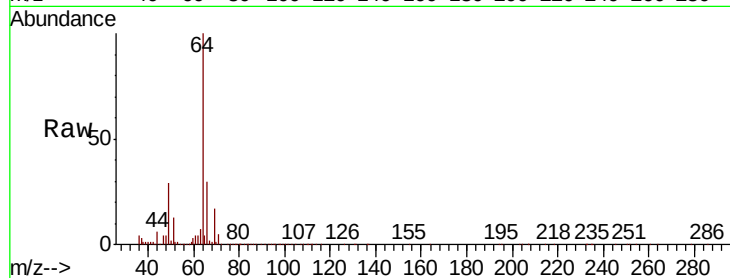
ClientSampleId :

Tot Ion: 64 Resp: 225256

Ion Ratio Lower Upper

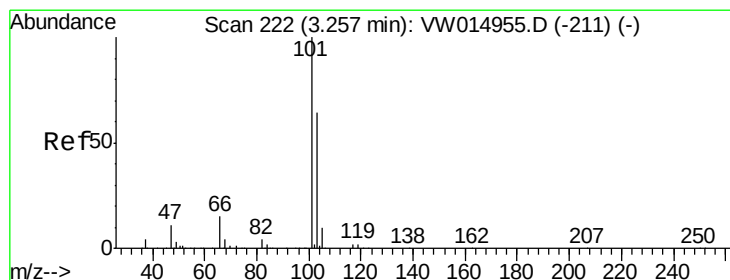
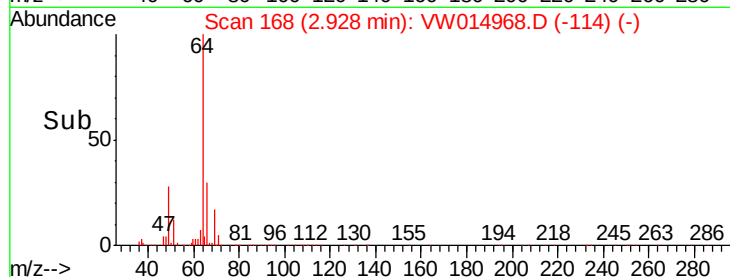
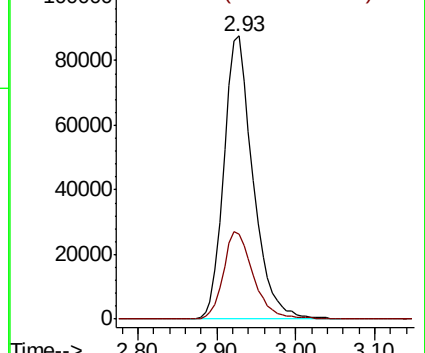
64 100

66 30.1 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 28.526 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014968.D

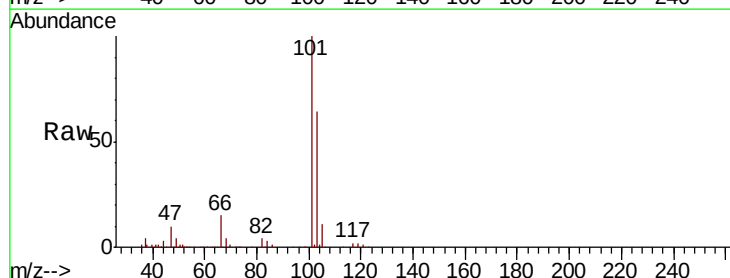
Acq: 11 Feb 2020 16:38

Tgt Ion: 101 Resp: 167162

Ion Ratio Lower Upper

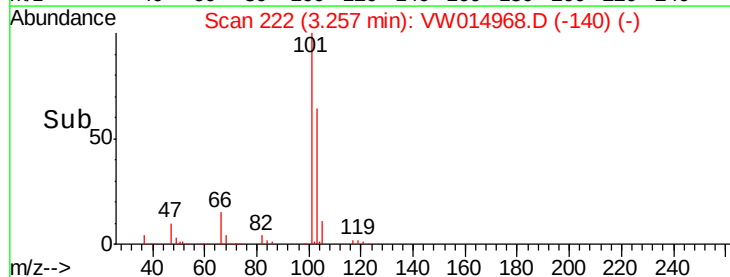
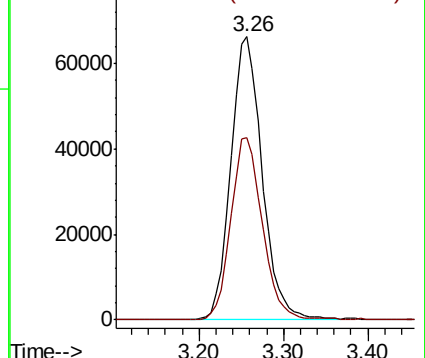
101 100

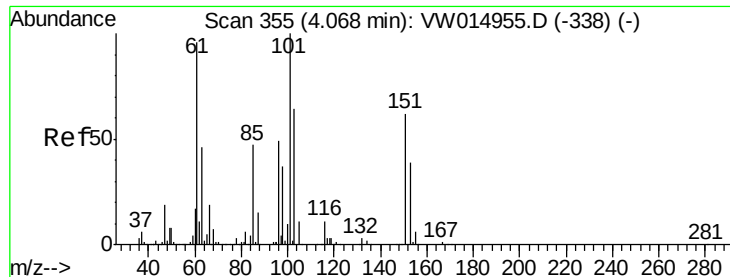
103 64.5 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 27.882 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

ClientSampled :

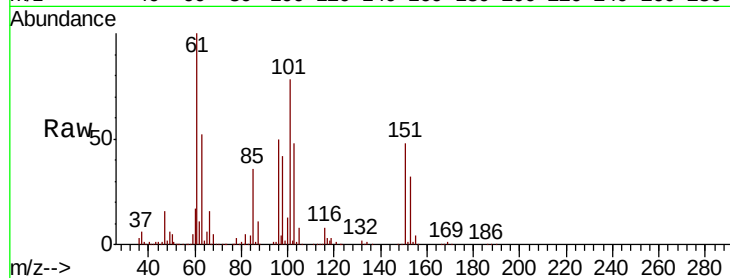
Tot Ion:101 Resp: 288422

Ion Ratio Lower Upper

101 100

85 45.5 34.8 52.2

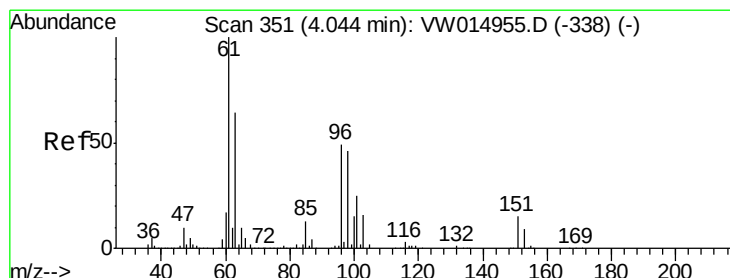
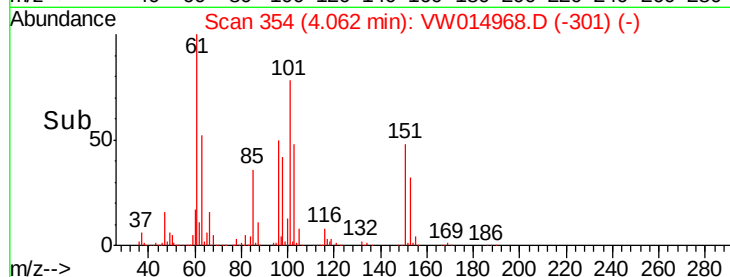
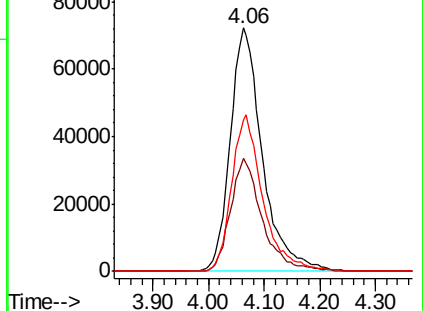
151 62.6 56.3 84.5



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: 25.447 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

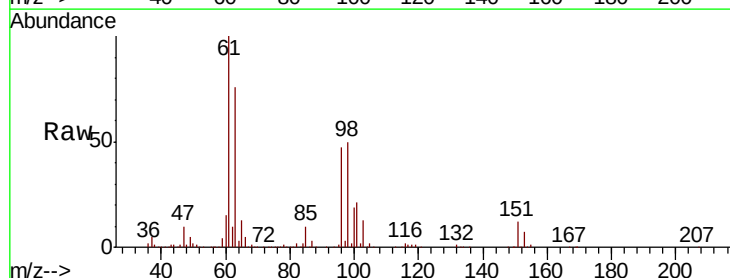
Tgt Ion: 96 Resp: 257261

Ion Ratio Lower Upper

96 100

61 215.1 134.7 250.1

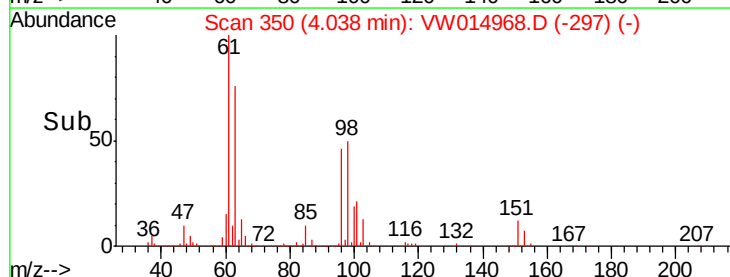
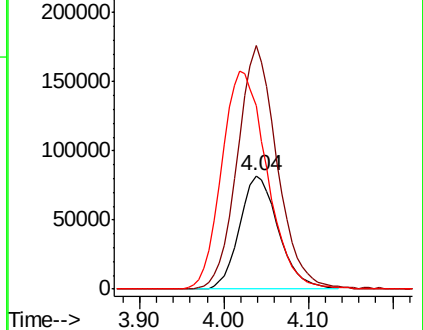
63 162.5 110.2 204.8

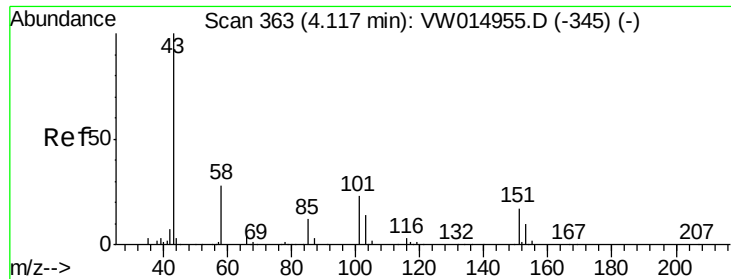


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

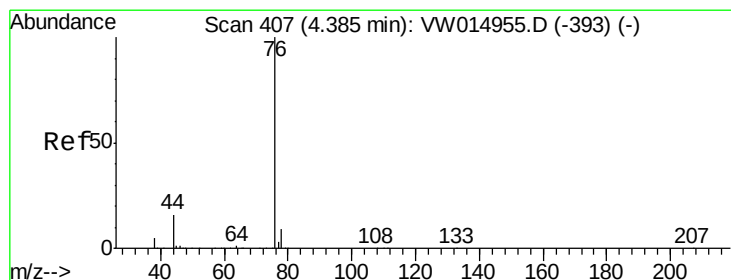
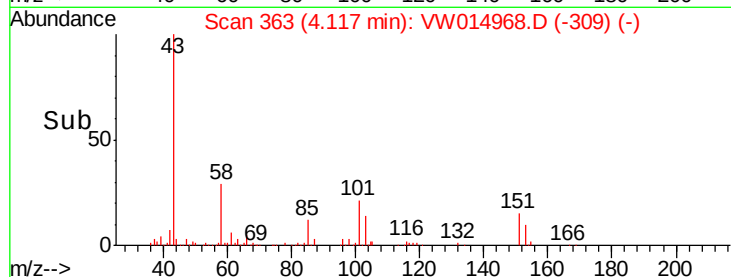
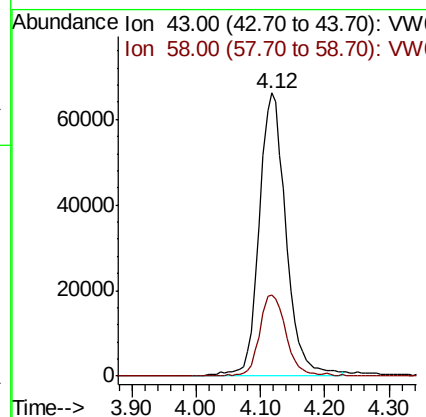
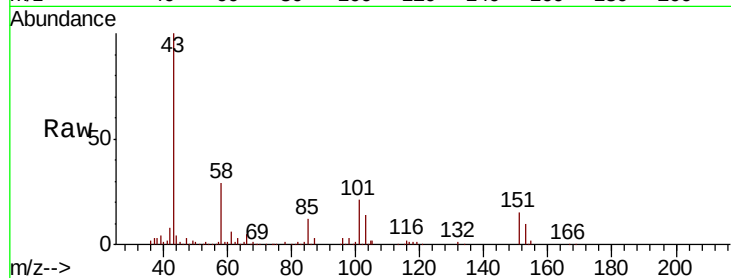




#13
Acetone
Concen: 54.971 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

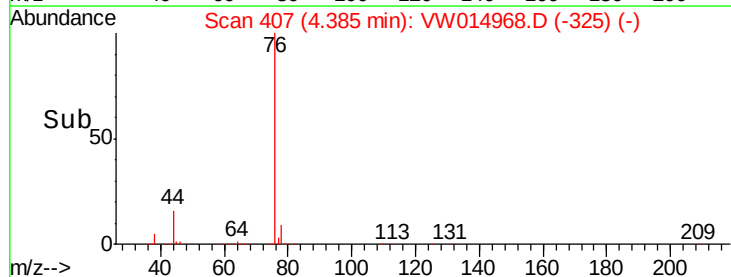
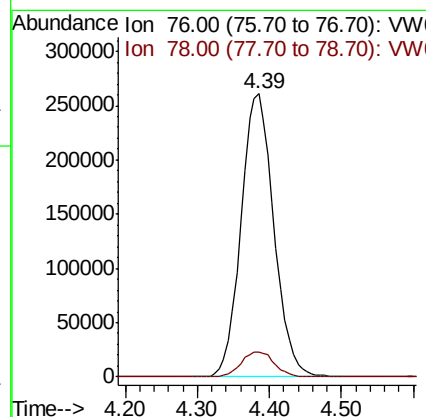
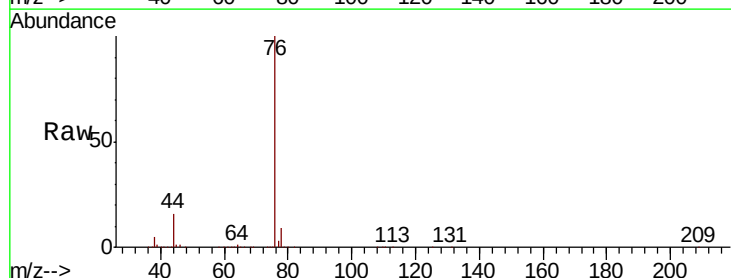
Instrument :
MSVOA_W
ClientSampled :

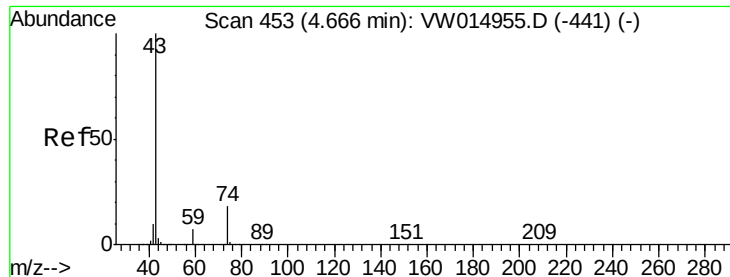
Tot Ion: 43 Resp: 187881
Ion Ratio Lower Upper
43 100
58 28.2 0.0 60.4



#14
Carbon disulfide
Concen: 27.141 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 76 Resp: 823873
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6

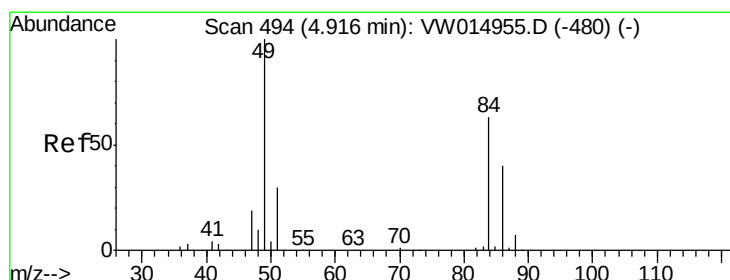
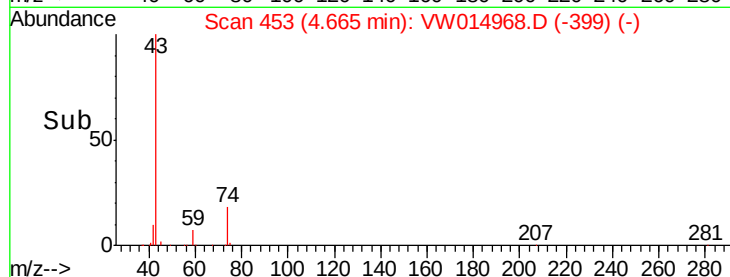
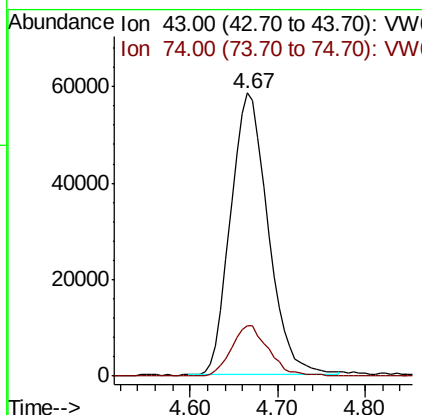
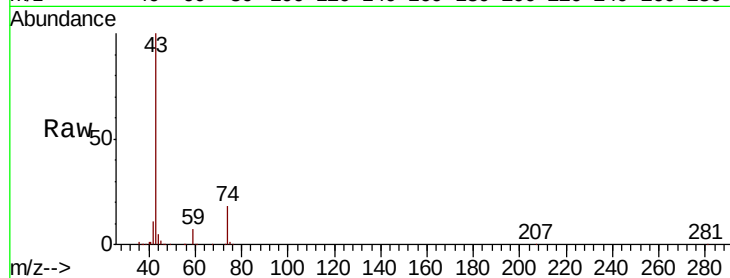




#15
Methvl Acetate
Concen: 31.029 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

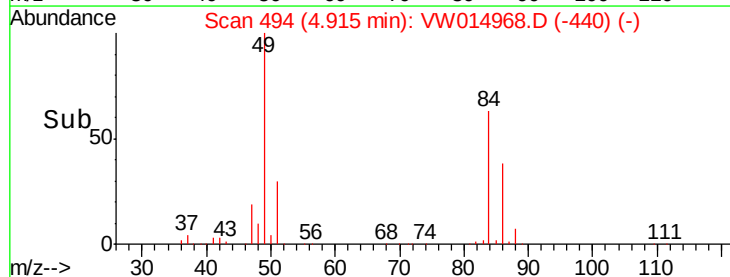
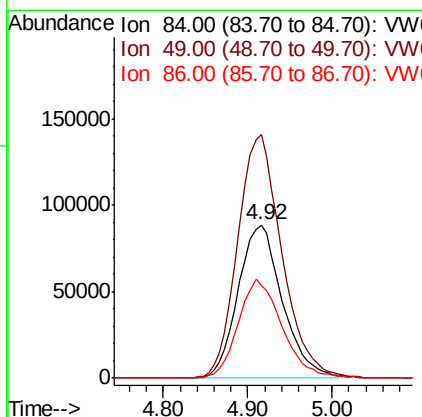
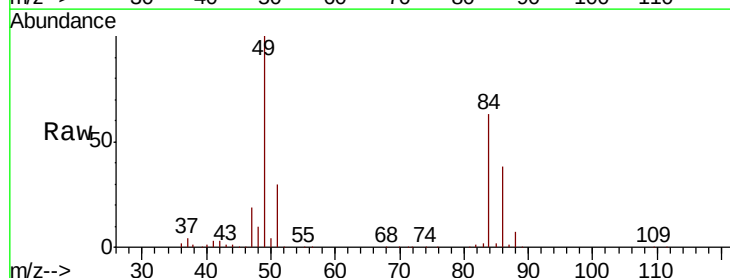
Instrument :
MSVOA_W
ClientSampleId :

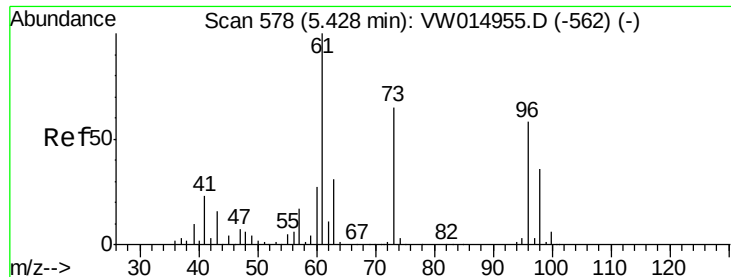
Tot Ion: 43 Resp: 174517
Ion Ratio Lower Upper
43 100
74 17.9 16.5 24.7



#16
Methylene chloride
Concen: 24.361 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 84 Resp: 316302
Ion Ratio Lower Upper
84 100
49 159.3 95.8 177.8
86 60.7 44.2 82.2

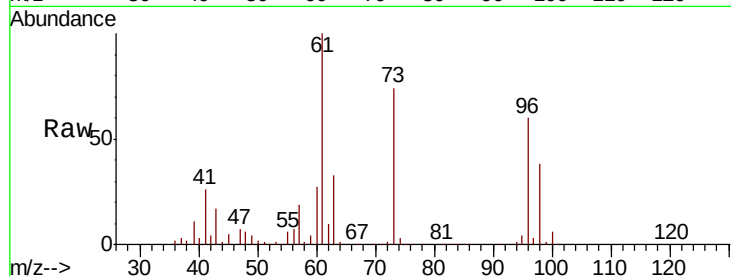




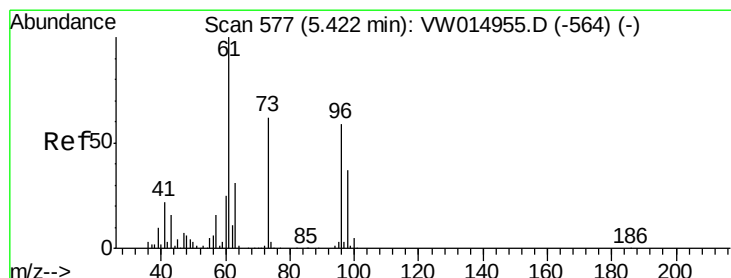
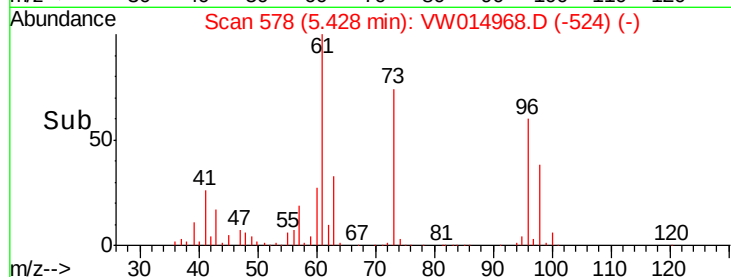
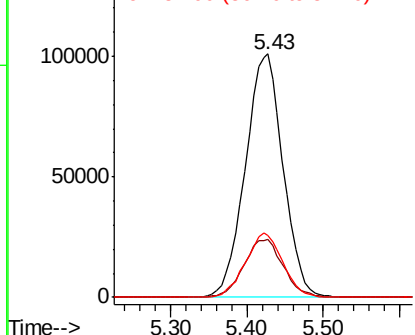
#17
Methyl tert-butyl Ether
Concen: 26.219 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 346291
Ion Ratio Lower Upper
73 100
43 24.4 17.5 26.3
57 26.1 19.4 29.0

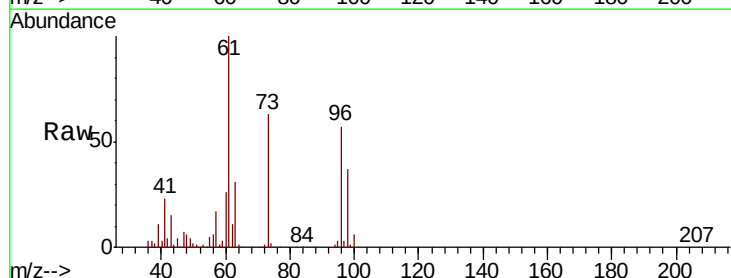


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

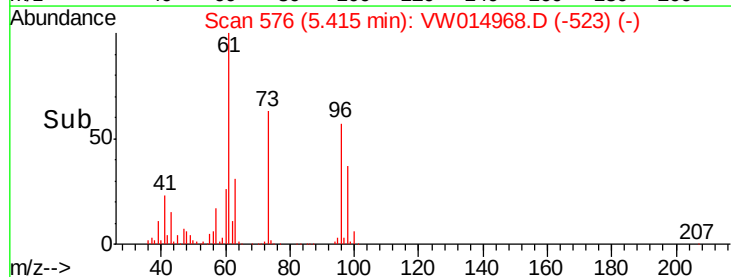
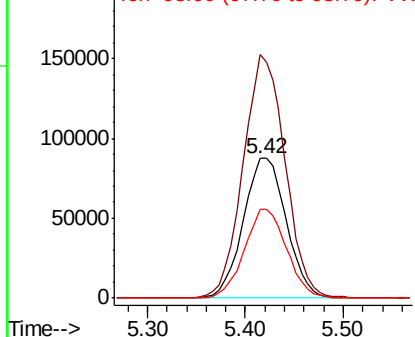


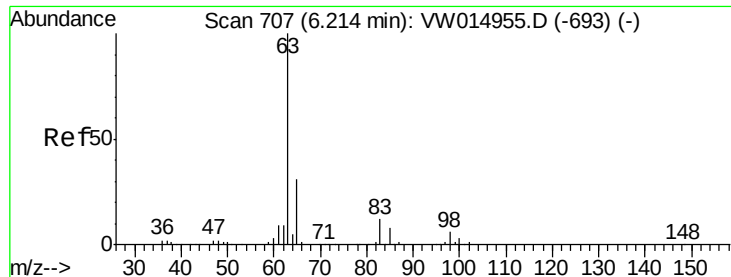
#18
trans-1,2-Dichloroethene
Concen: 26.073 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 96 Resp: 267071
Ion Ratio Lower Upper
96 100
61 174.1 104.4 194.0
98 63.9 43.8 81.3



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

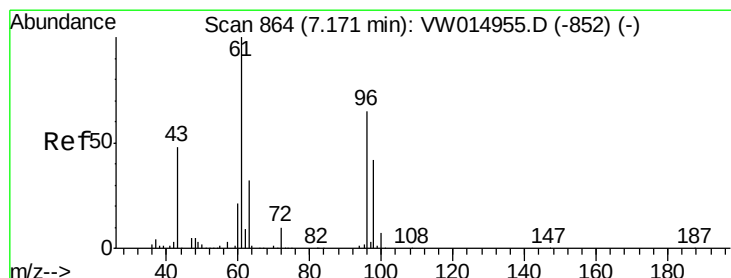
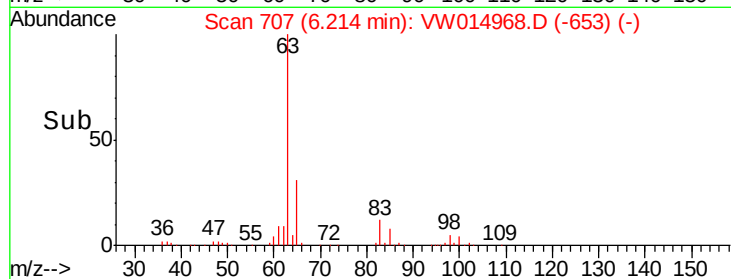
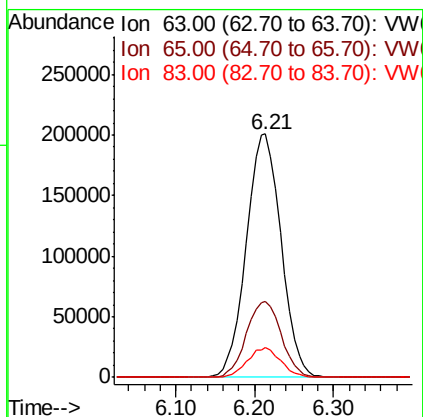
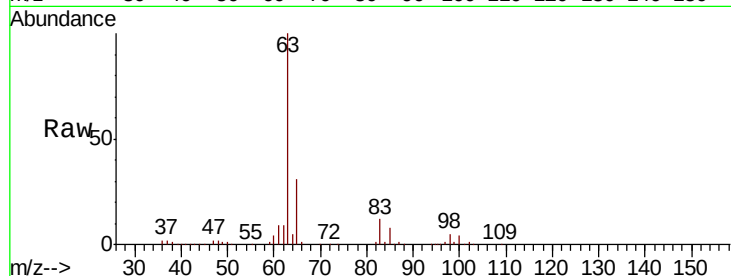




#19
 1,1-Dichloroethane
 Concen: 29.722 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

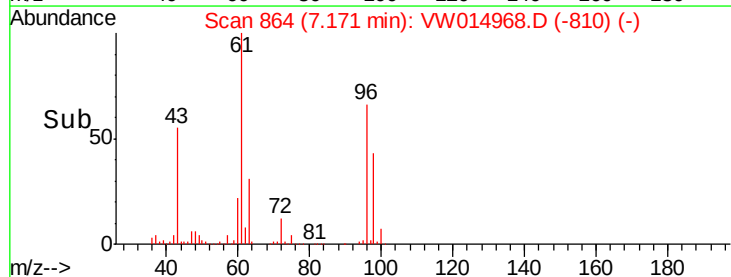
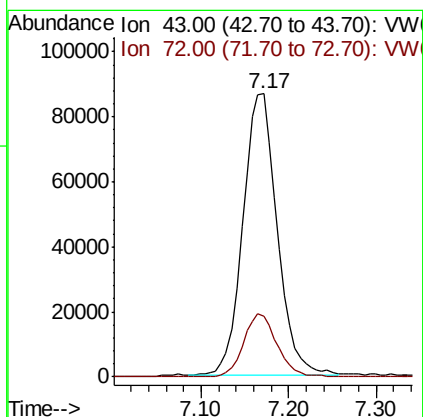
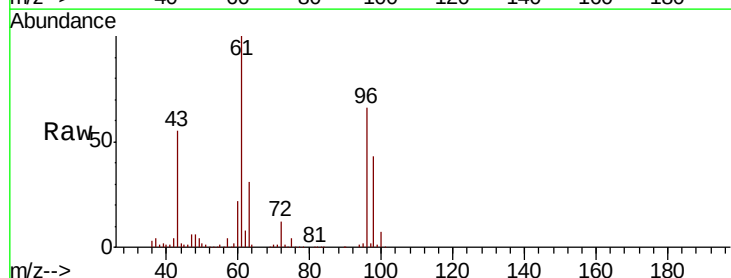
Instrument :
 MSVOA_W
 ClientSampled :

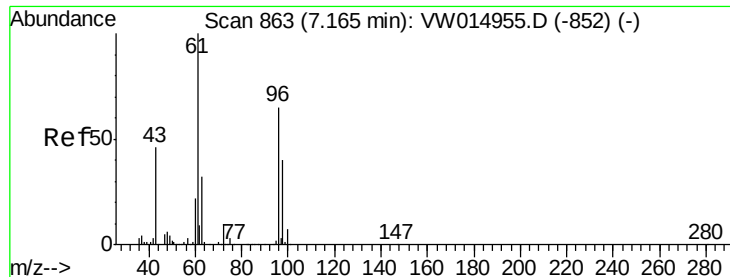
Tot Ion: 63 Resp: 616792
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.5 39.9
 83 12.1 8.8 16.3



#21
 2-Butanone
 Concen: 58.658 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

Tgt Ion: 43 Resp: 234725
 Ion Ratio Lower Upper
 43 100
 72 22.0 11.9 35.5



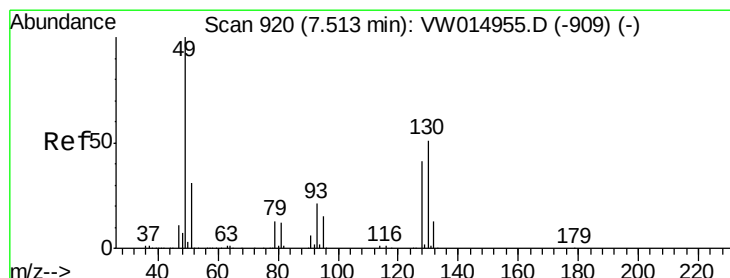
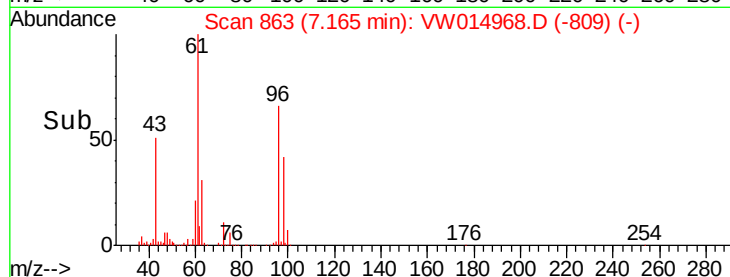
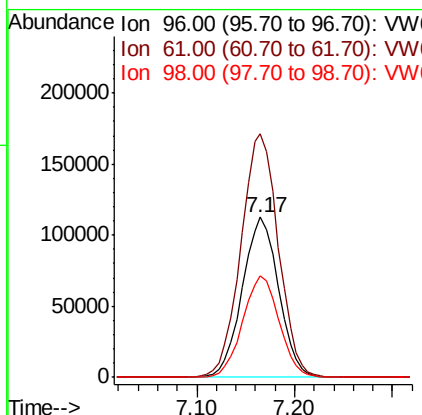
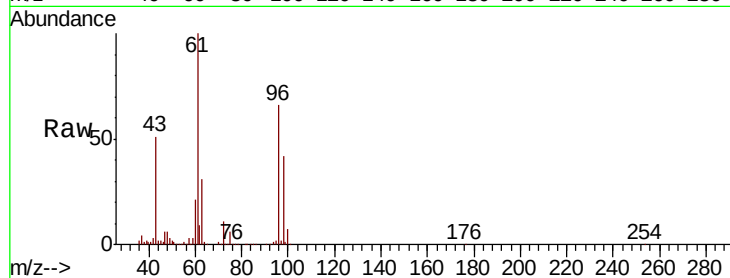


#22

cis-1,2-Dichloroethene
Concen: 26.269 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Instrument :
MSVOA_W
ClientSampled :

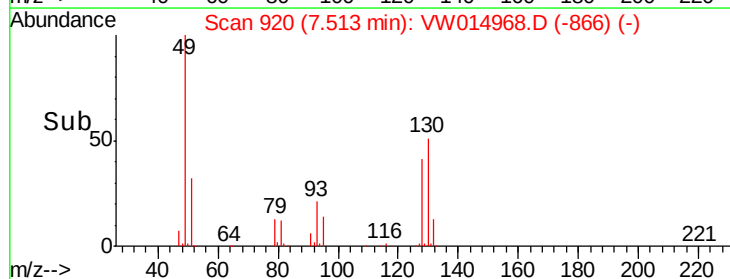
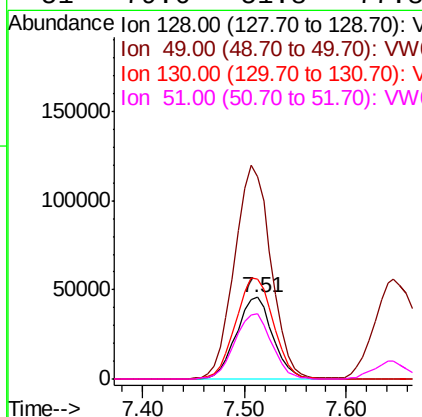
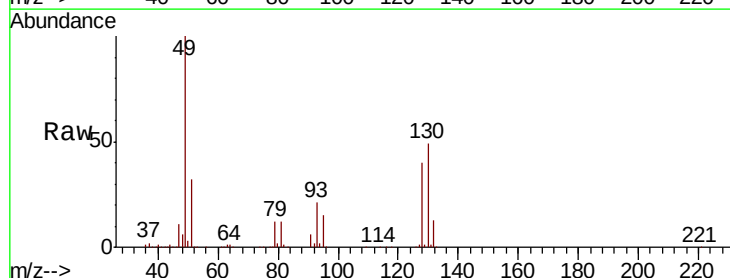
Tot Ion: 96 Resp: 291049
Ion Ratio Lower Upper
96 100
61 152.0 98.6 183.0
98 63.5 44.2 82.2

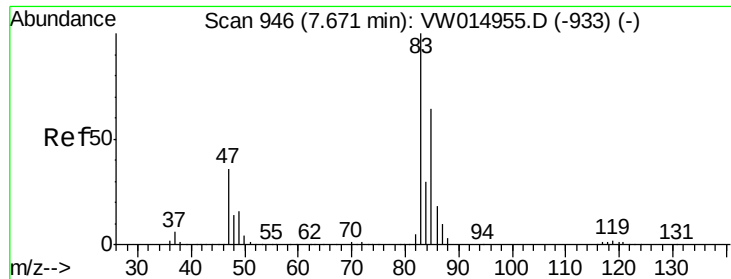


#23

Bromochloromethane
Concen: 24.996 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 128 Resp: 113625
Ion Ratio Lower Upper
128 100
49 248.9 146.0 271.2
130 122.8 90.9 168.9
51 79.6 51.8 77.8#

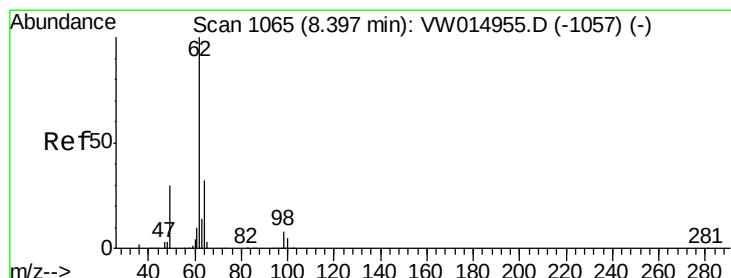
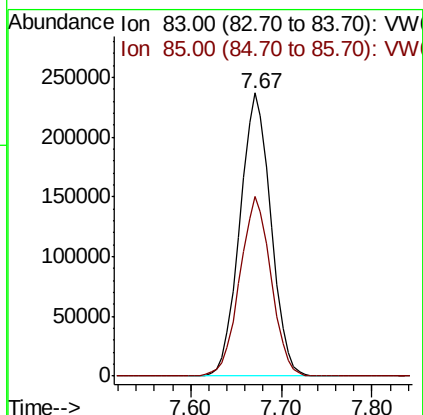
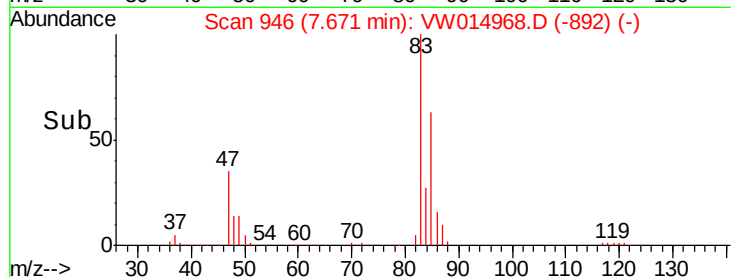
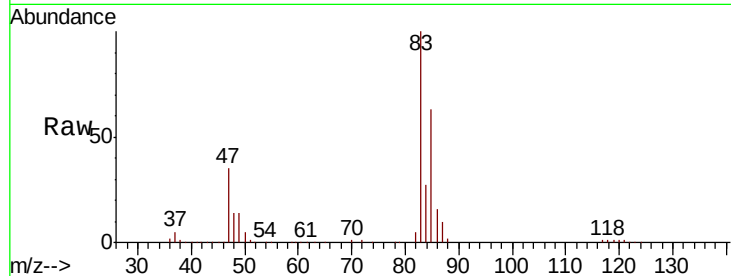




#25
Chloroform
Concen: 29.427 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

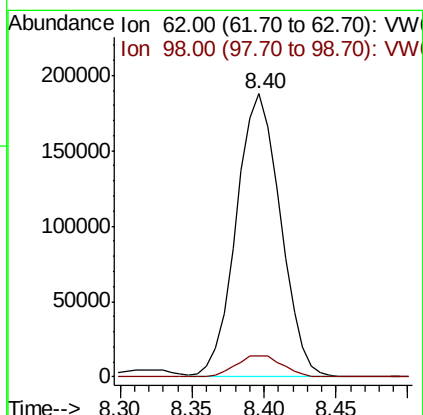
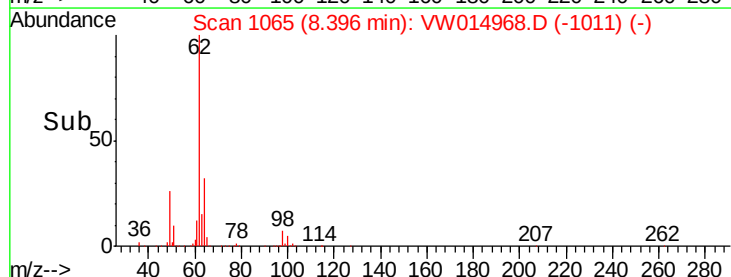
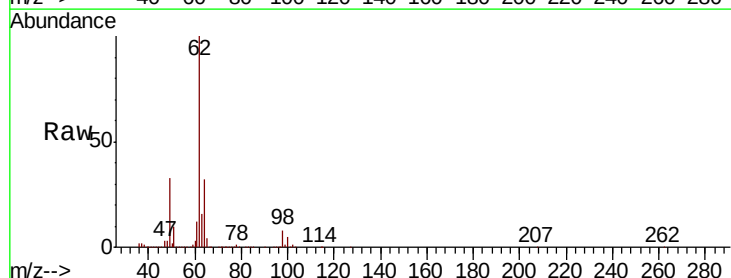
Instrument :
MSVOA_W
ClientSampled :

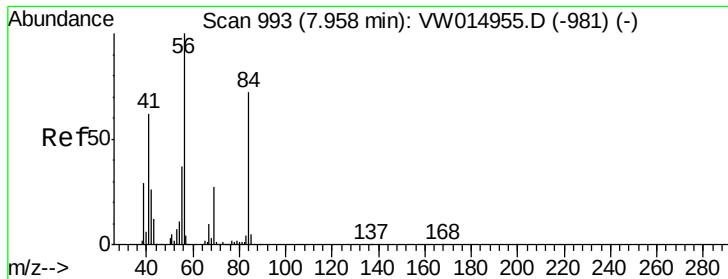
Tot Ion: 83 Resp: 560951
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 30.542 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 62 Resp: 401395
Ion Ratio Lower Upper
62 100
98 7.6 7.2 10.8

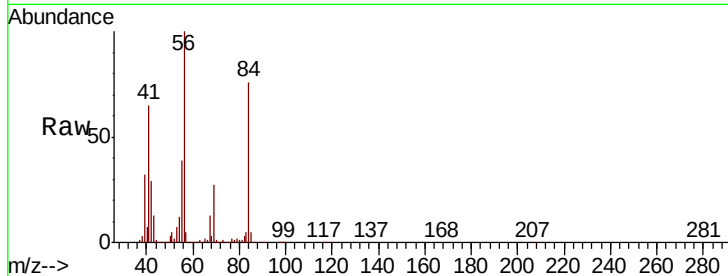




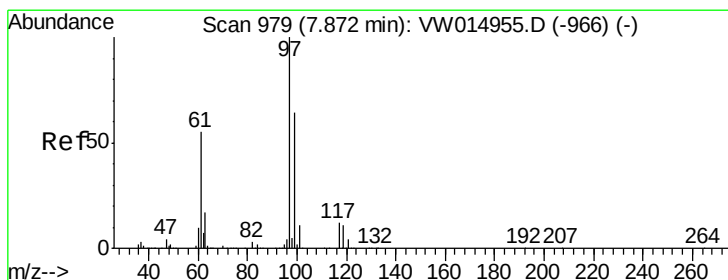
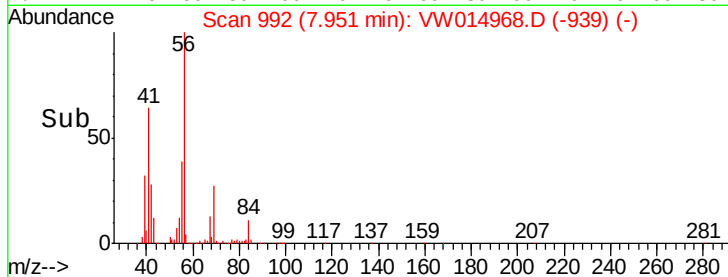
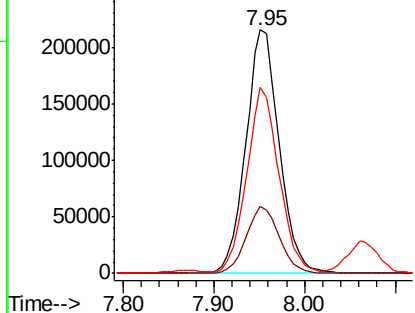
#30
Cyclohexane
Concen: 27.417 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 547940
Ion Ratio Lower Upper
56 100
69 27.6 22.9 34.3
84 74.0 63.8 95.6

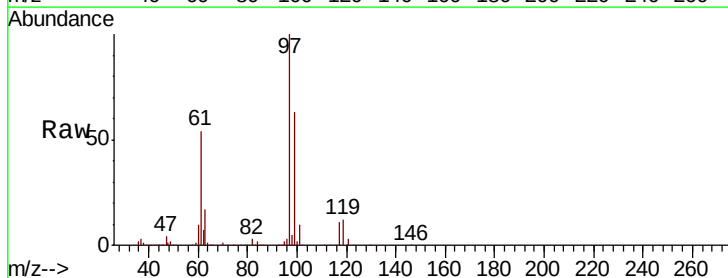


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

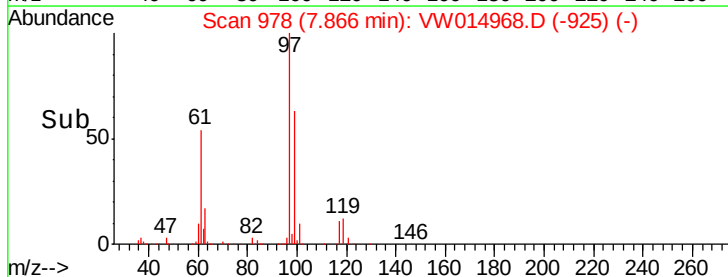
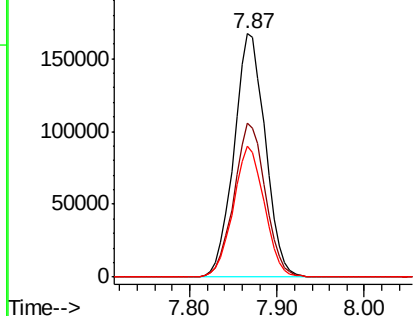


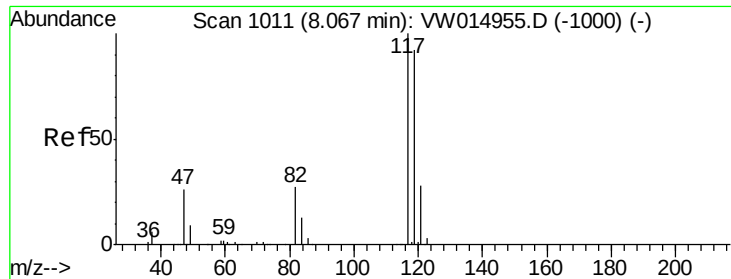
#31
1,1,1-Trichloroethane
Concen: 27.168 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 97 Resp: 415512
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 53.6 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.736 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

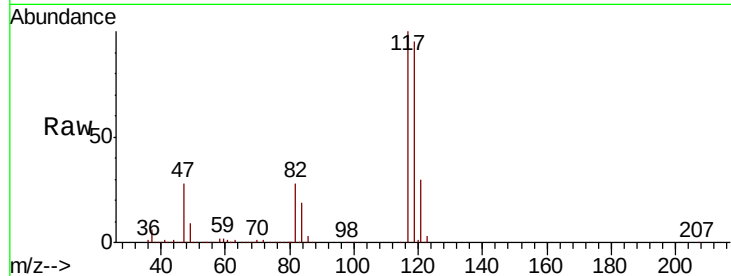
ClientSampleId :

Tot Ion:117 Resp: 367569

Ion Ratio Lower Upper

117 100

119 96.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

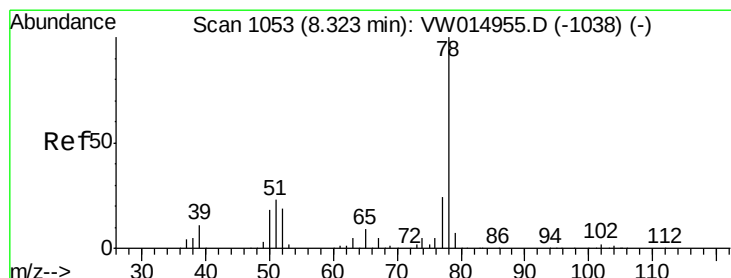
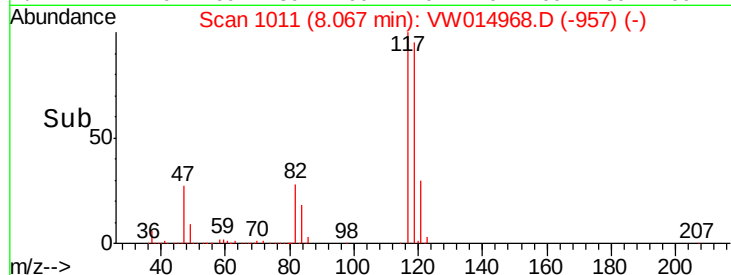
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 27.601 ug/L

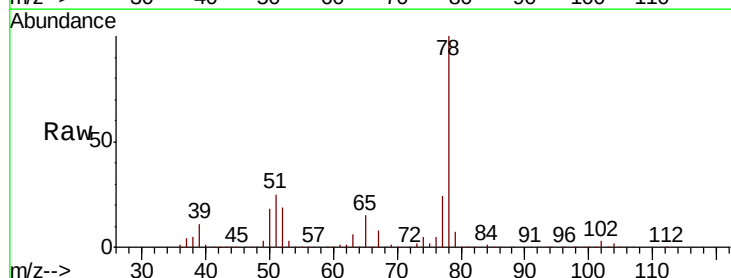
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Tgt Ion: 78 Resp: 1273064



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

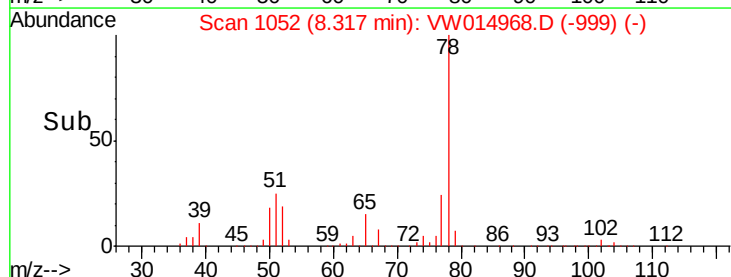
300000

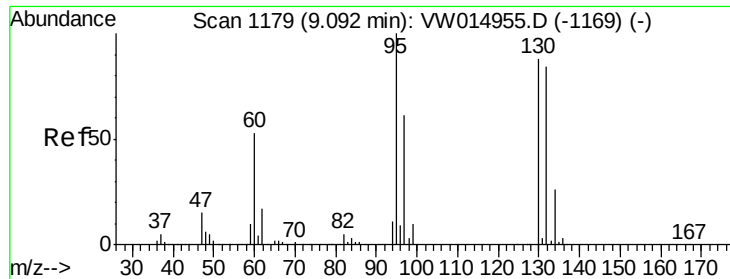
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 25.636 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 293094

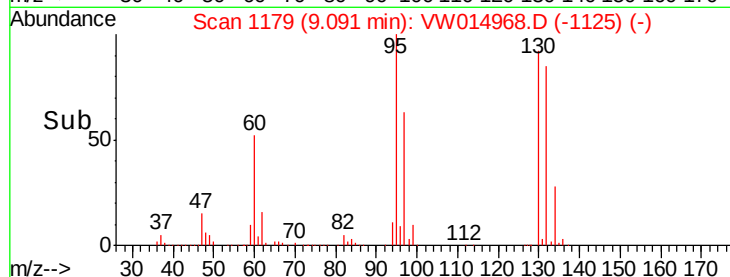
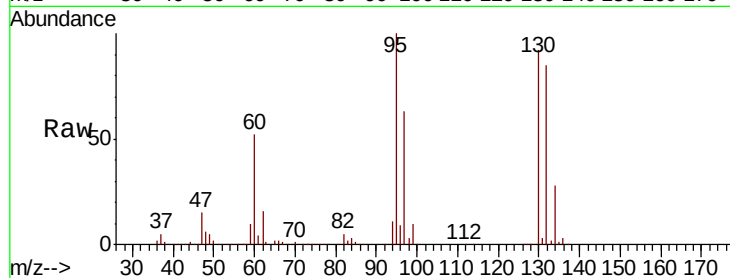
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.5

132 84.8 63.6 118.0

130 89.9 67.3 124.9

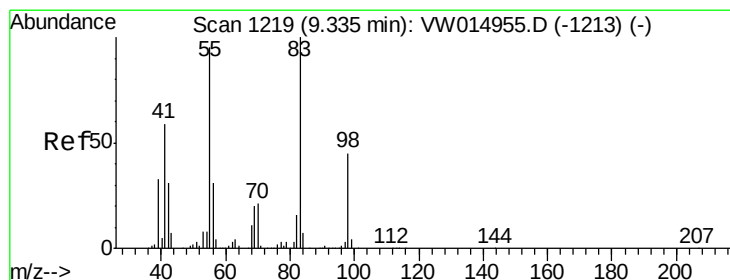
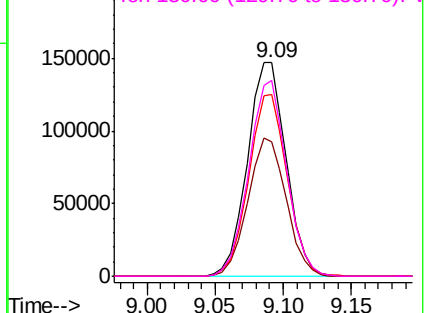


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.081 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

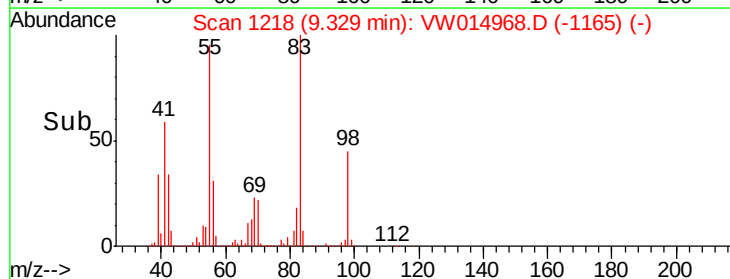
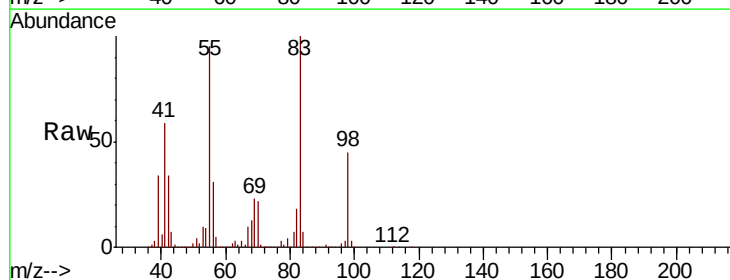
Tgt Ion: 83 Resp: 519419

Ion Ratio Lower Upper

83 100

55 93.4 68.0 102.0

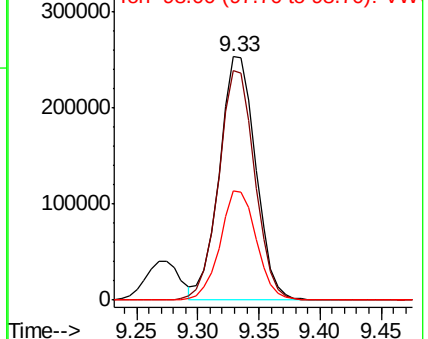
98 44.9 37.8 56.6

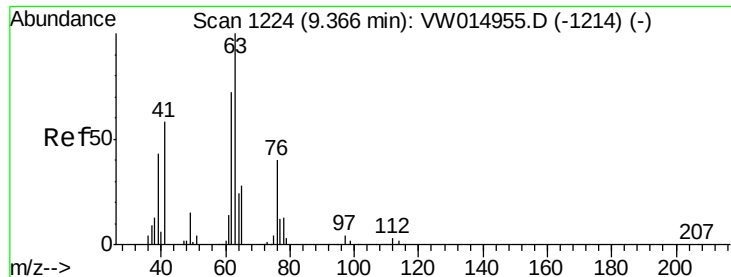


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 29.150 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

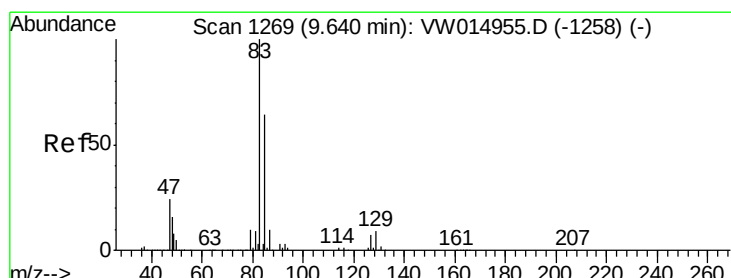
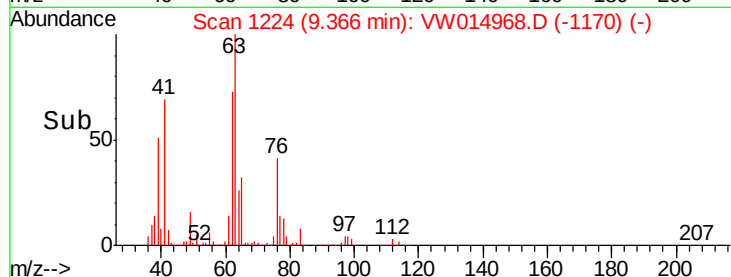
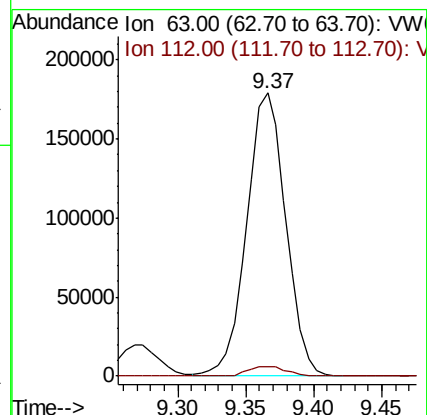
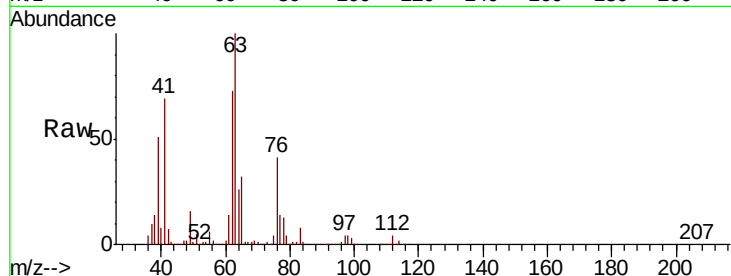
ClientSampleId :

Tot Ion: 63 Resp: 359801

Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



#41

Bromodichloromethane

Concen: 28.486 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

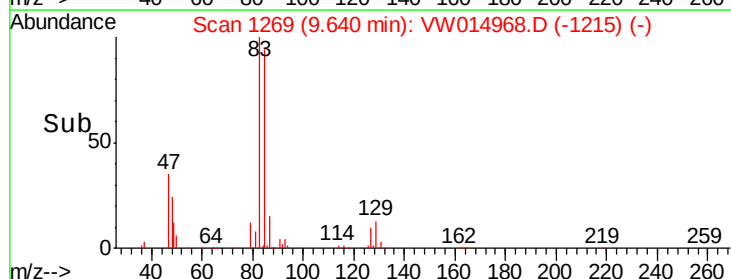
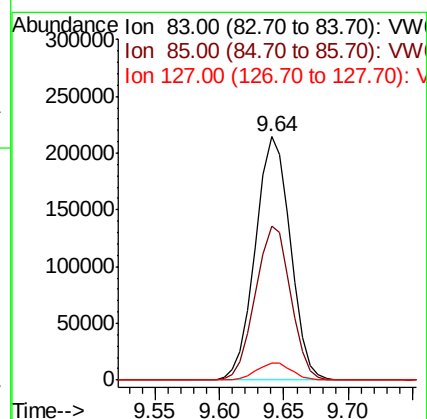
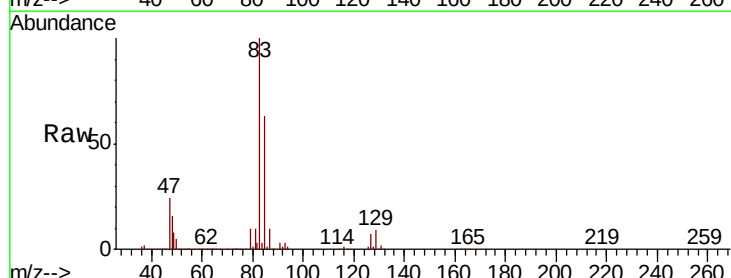
Tgt Ion: 83 Resp: 402955

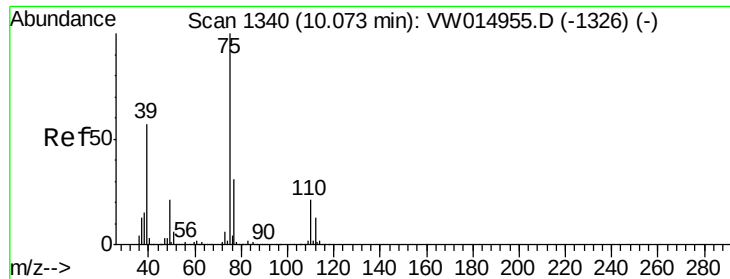
Ion Ratio Lower Upper

83 100

85 63.4 44.2 82.0

127 7.0 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 27.589 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

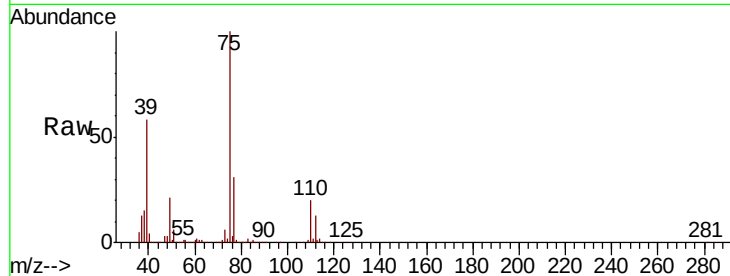
ClientSampleId :

Tot Ion: 75 Resp: 483557

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

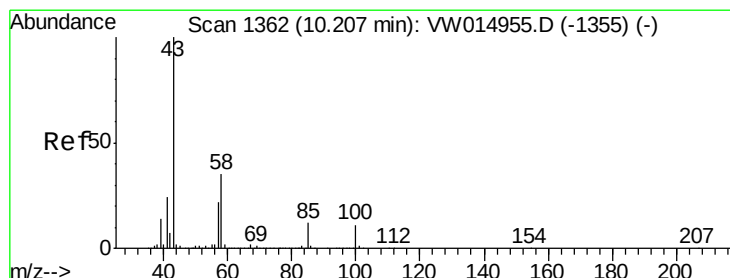
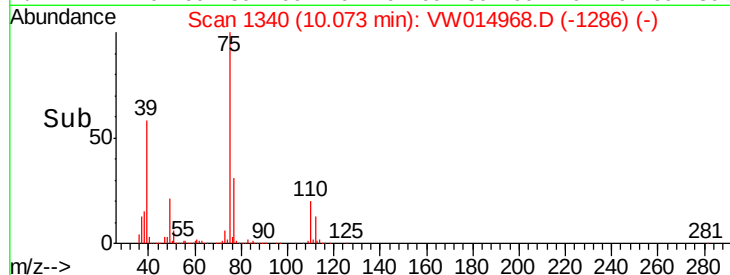
150000

100000

50000

0

Time--> 9.90 10.00 10.10 10.20



#43

4-Methyl-2-pentanone

Concen: 62.027 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

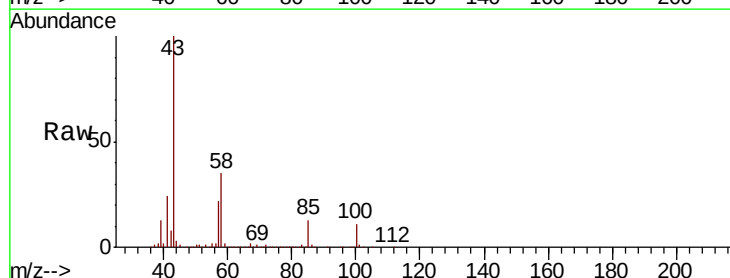
Tgt Ion: 43 Resp: 502022

Ion Ratio Lower Upper

43 100

58 34.6 30.0 45.0

100 10.9 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

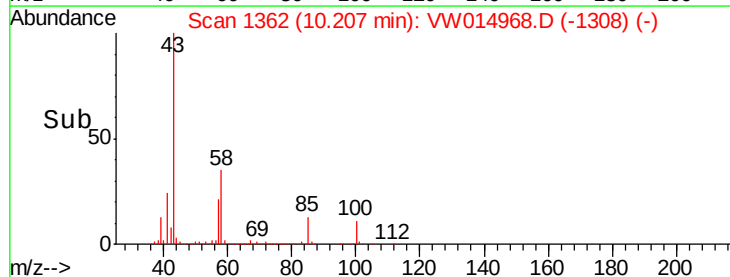
300000

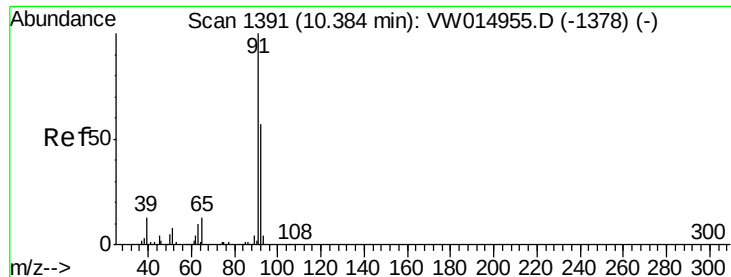
200000

100000

0

Time--> 10.10 10.20 10.30





#44

Toluene

Concen: 27.334 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

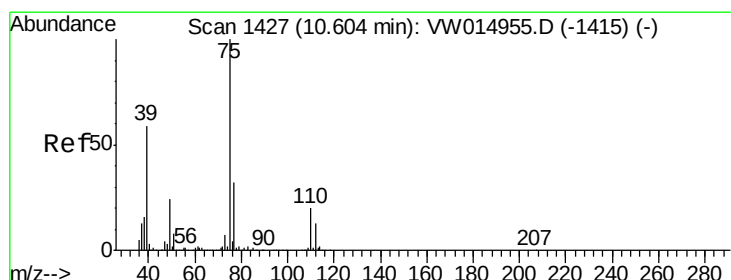
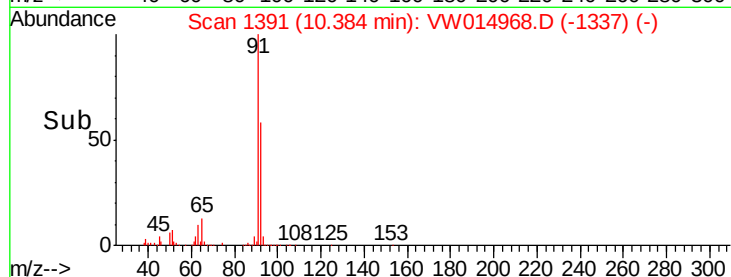
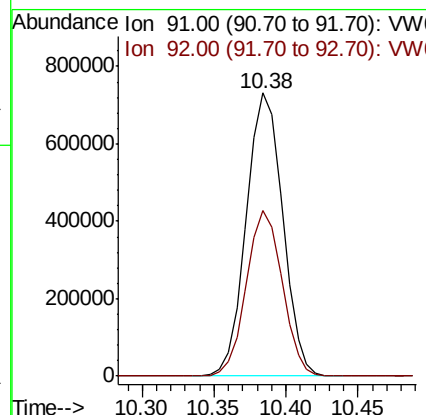
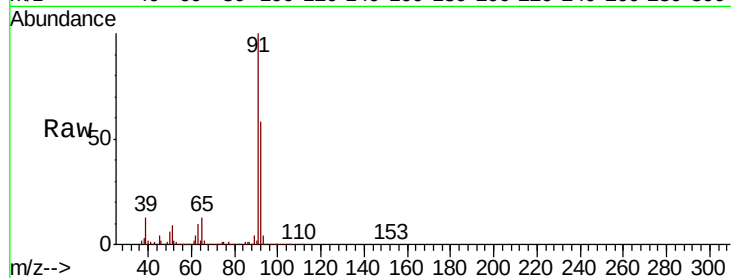
ClientSampled :

Tot Ion: 91 Resp: 1279880

Ion Ratio Lower Upper

91 100

92 58.3 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 28.022 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014968.D

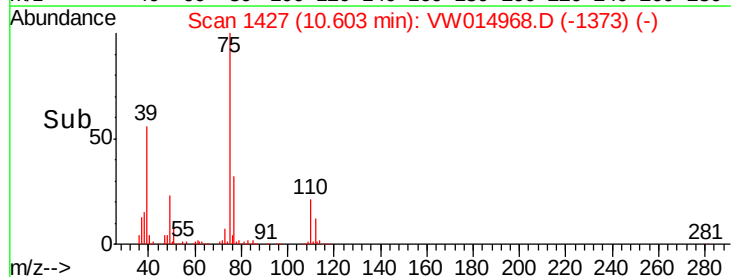
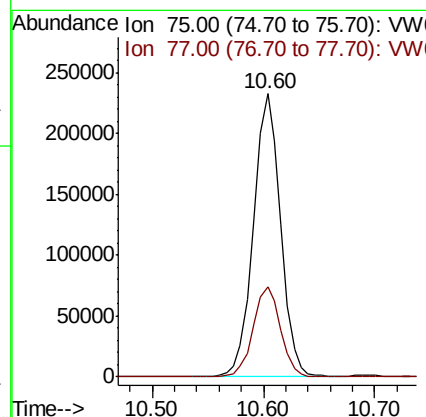
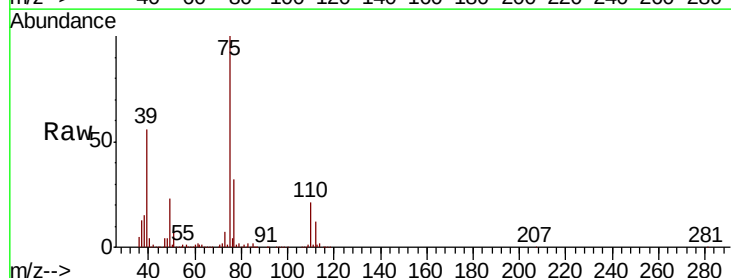
Acq: 11 Feb 2020 16:38

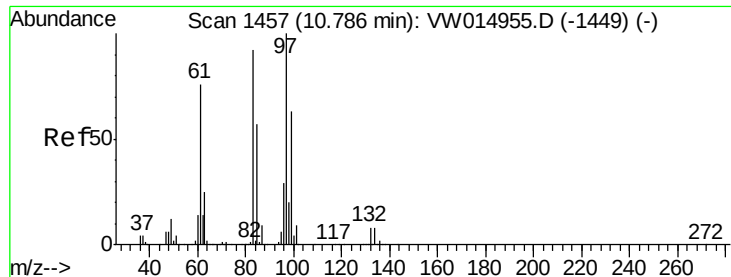
Tgt Ion: 75 Resp: 395509

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 26.942 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 218913

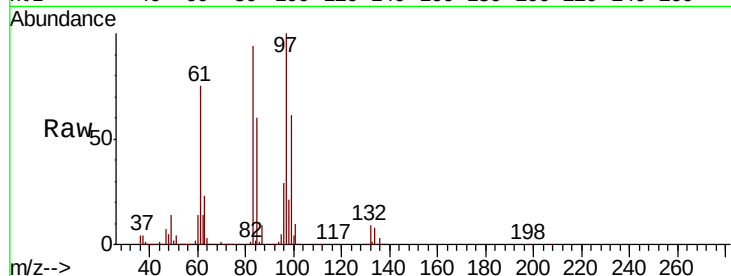
Ion Ratio Lower Upper

97 100

83 94.5 60.8 112.8

85 60.0 39.9 74.1

99 61.3 42.8 79.6



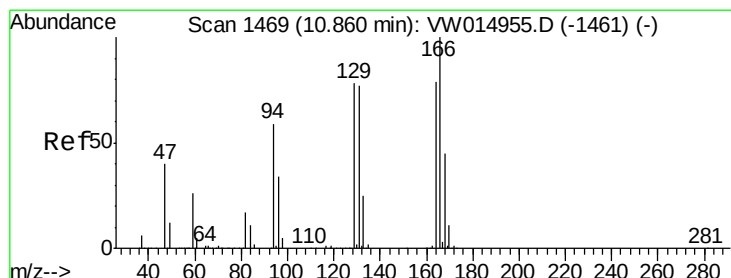
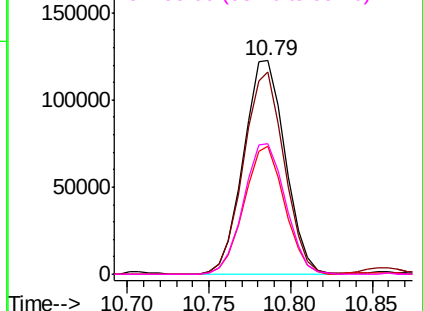
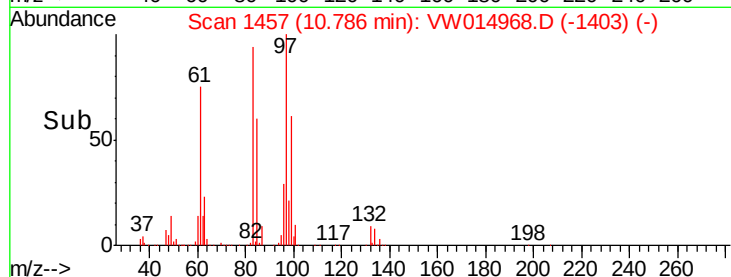
Abundance

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: 22.528 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Tgt Ion: 164 Resp: 189253

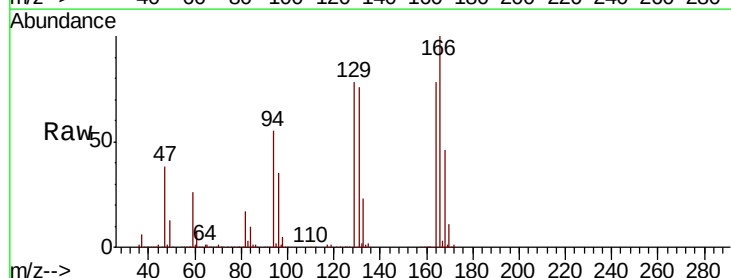
Ion Ratio Lower Upper

164 100

129 100.6 67.5 125.4

131 97.5 64.0 119.0

166 128.3 87.0 161.6



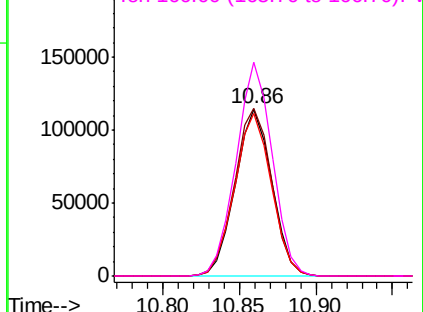
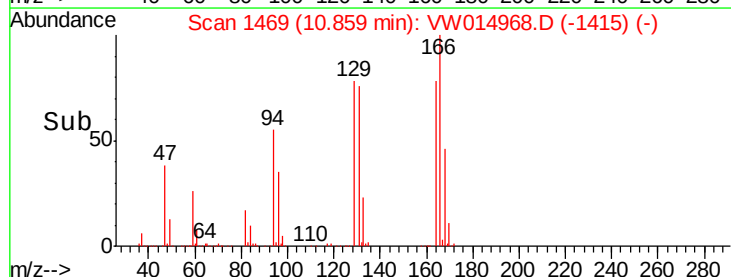
Abundance

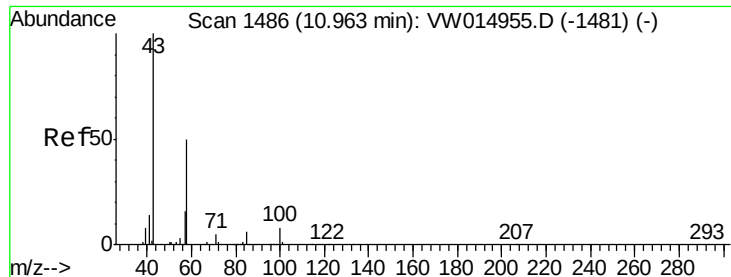
Ion 164.00 (163.70 to 164.70): V

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

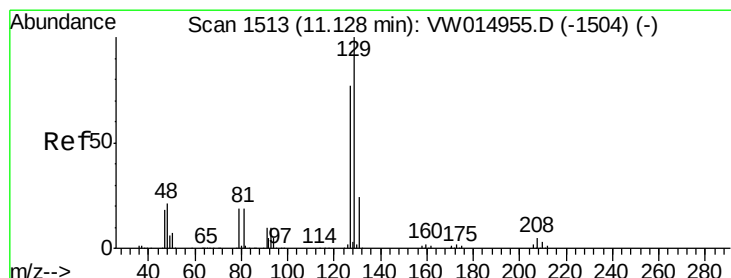
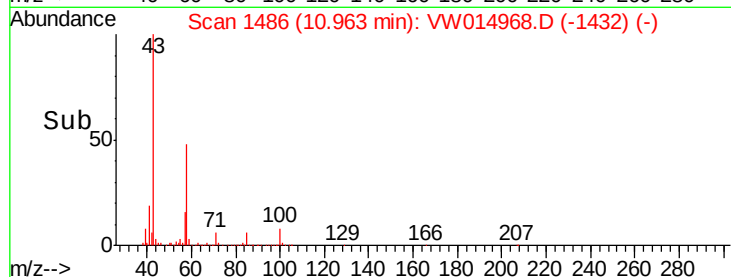
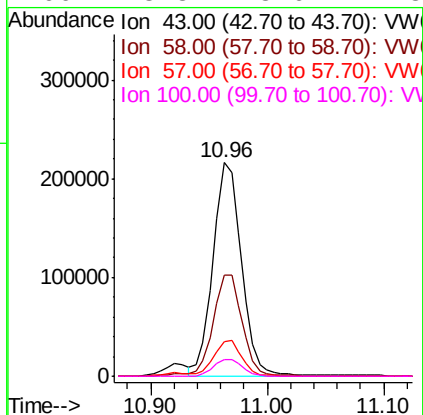
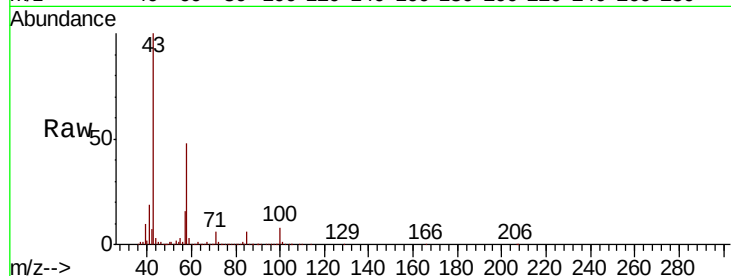




#49
2-Hexanone
Concen: 64.329 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

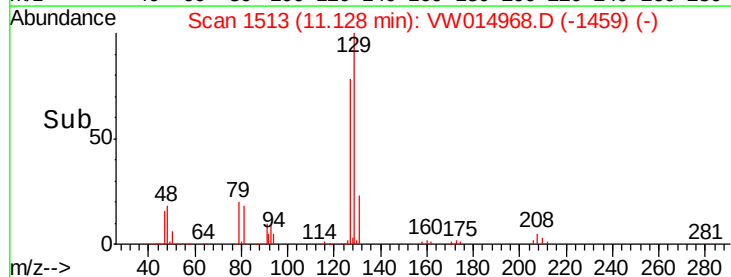
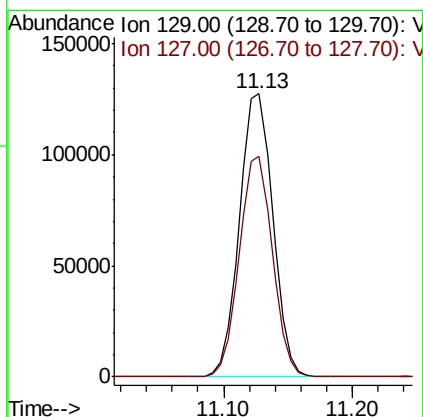
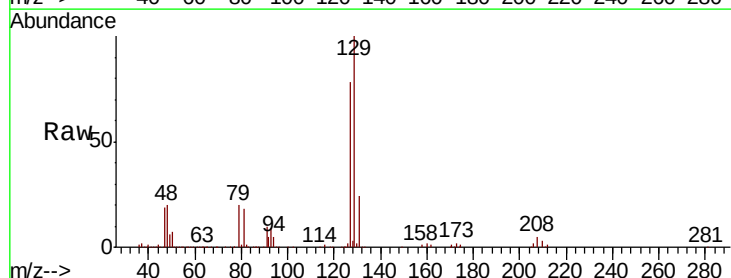
Instrument :
MSVOA_W
ClientSampleId :

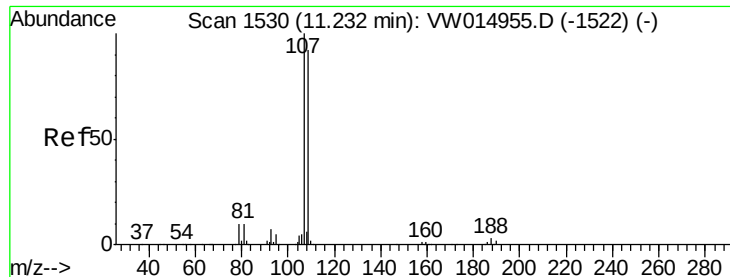
Tot Ion: 43 Resp: 365718
Ion Ratio Lower Upper
43 100
58 47.7 42.2 63.2
57 16.2 14.5 21.7
100 8.3 8.6 12.8#



#50
Dibromochloromethane
Concen: 26.188 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014968.D
Acq: 11 Feb 2020 16:38

Tgt Ion: 129 Resp: 228700
Ion Ratio Lower Upper
129 100
127 78.1 54.1 100.5

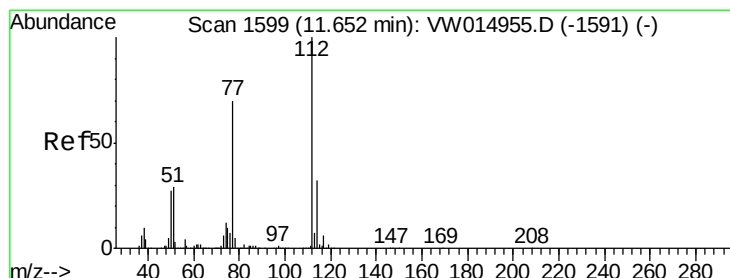
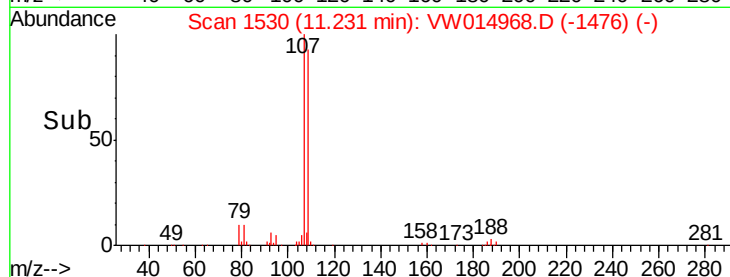
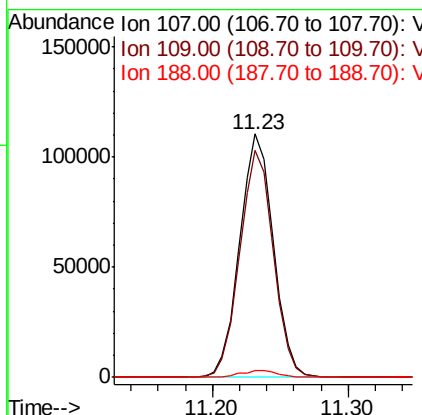
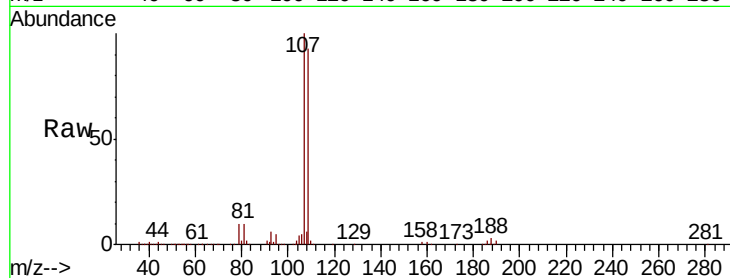




#51
 1,2-Dibromoethane
 Concen: 25.271 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

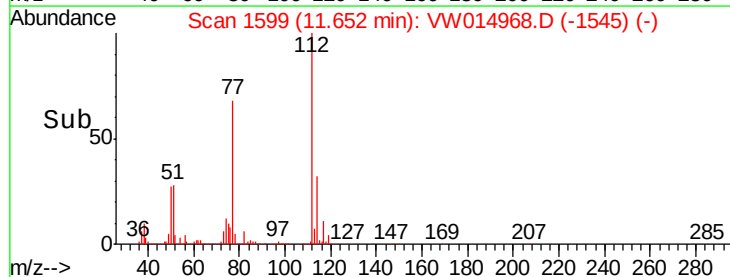
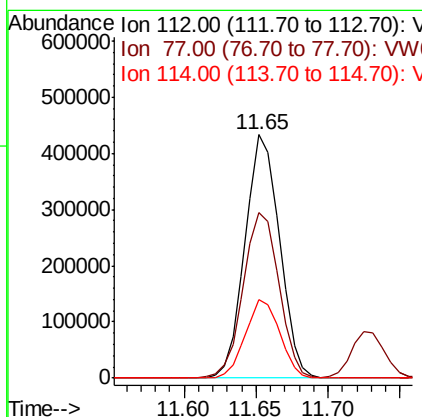
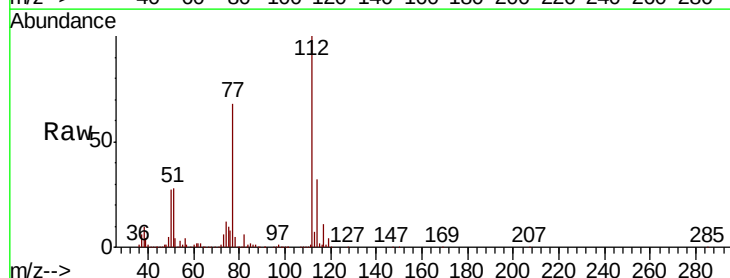
Instrument :
 MSVOA_W
 ClientSampleId :

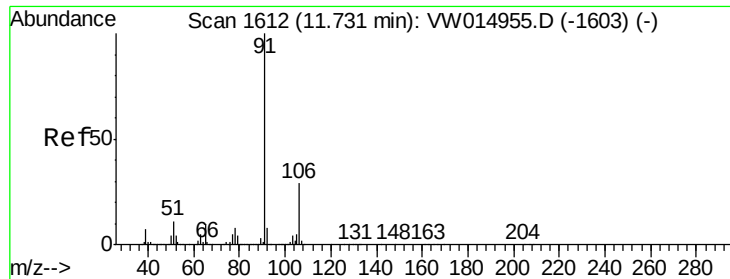
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.0	120.6
188	3.0	2.4	3.6



#52
 Chlorobenzene
 Concen: 25.119 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
77	68.2	49.9	74.9
114	32.1	22.7	42.1





#53

Ethylbenzene

Concen: 27.307 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

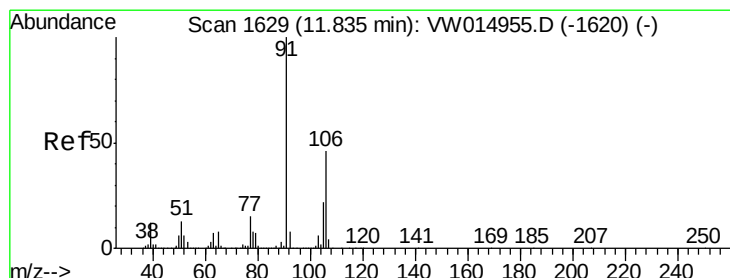
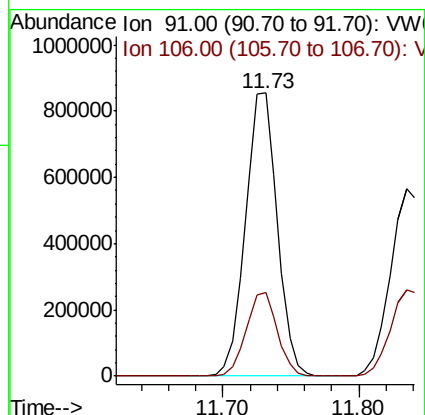
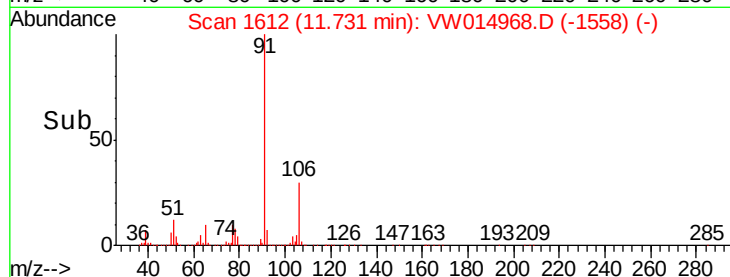
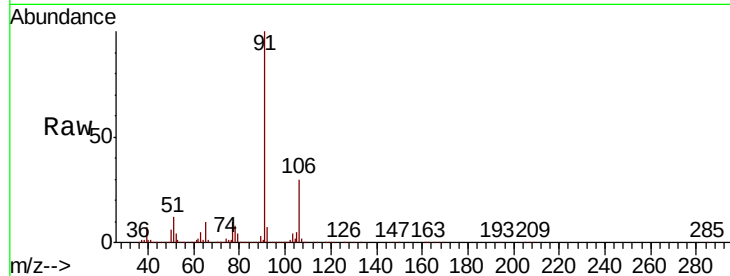
ClientSampleId :

Tot Ion: 91 Resp: 1398817

Ion Ratio Lower Upper

91 100

106 29.6 21.5 39.9



#54

m,p-Xylene

Concen: 26.458 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014968.D

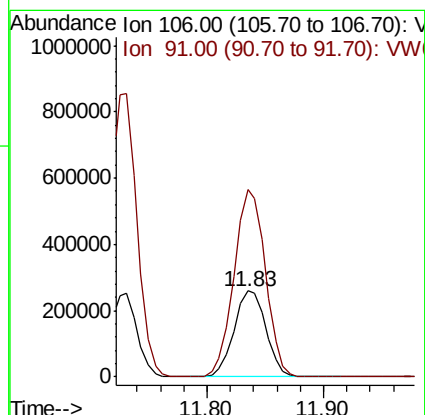
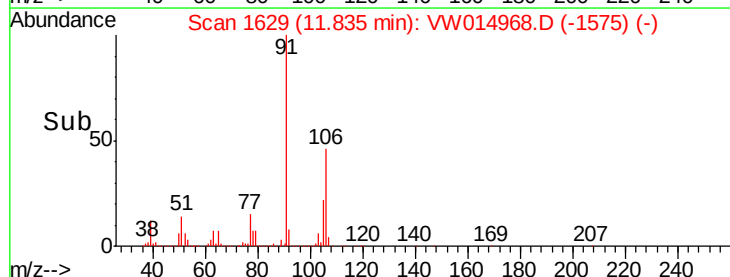
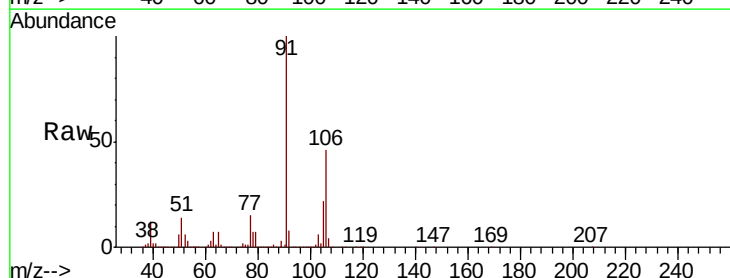
Acq: 11 Feb 2020 16:38

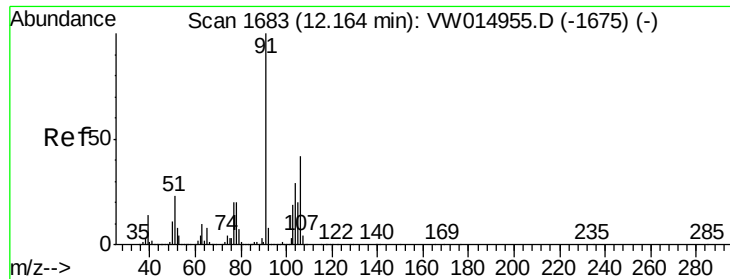
Tgt Ion: 106 Resp: 495067

Ion Ratio Lower Upper

106 100

91 218.1 143.4 266.4





#55

o-xylene

Concen: 26.405 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

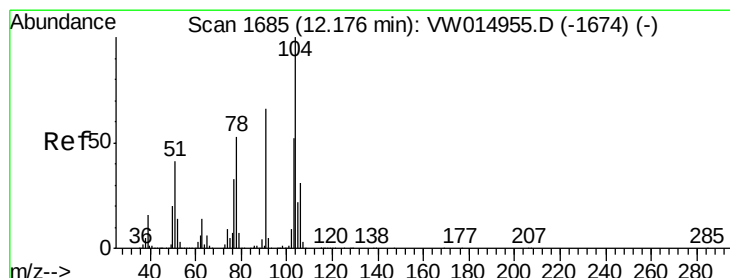
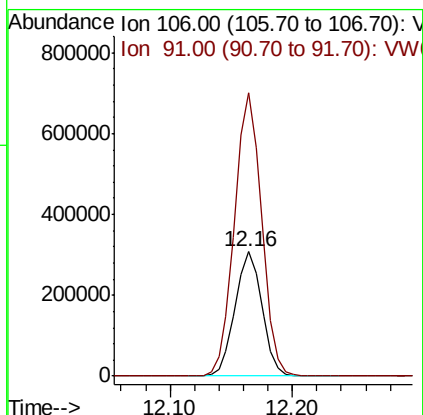
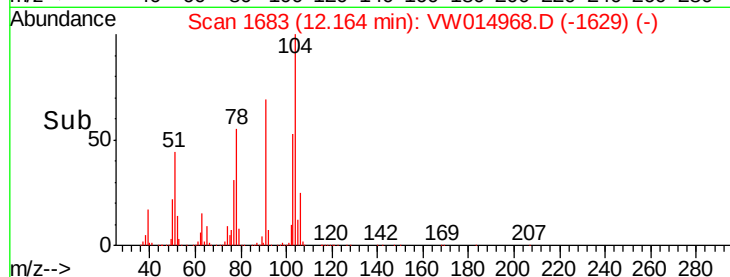
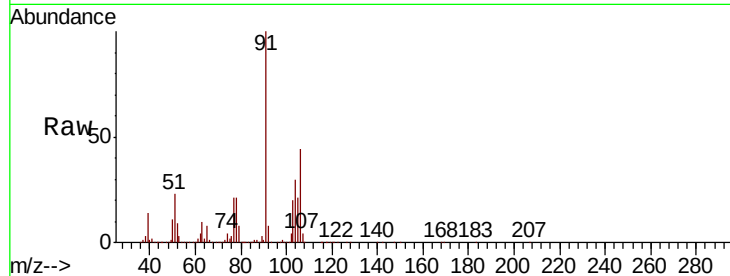
ClientSampleId :

Tot Ion:106 Resp: 470216

Ion Ratio Lower Upper

106 100

91 227.4 155.0 287.9



#56

Styrene

Concen: 27.711 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014968.D

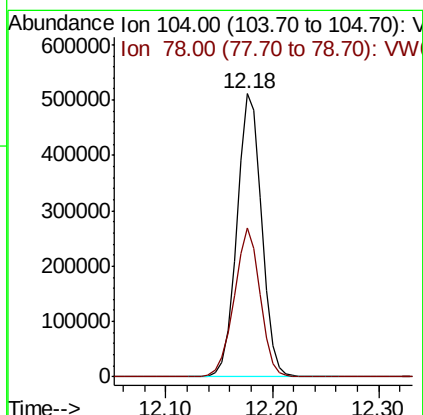
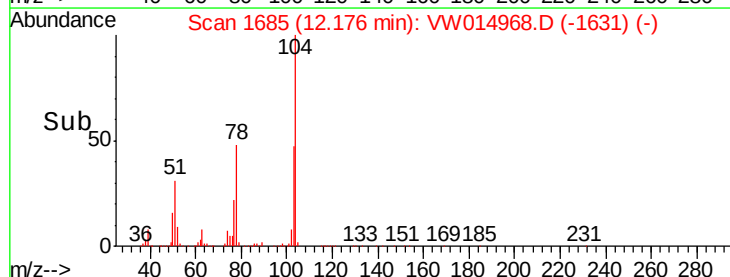
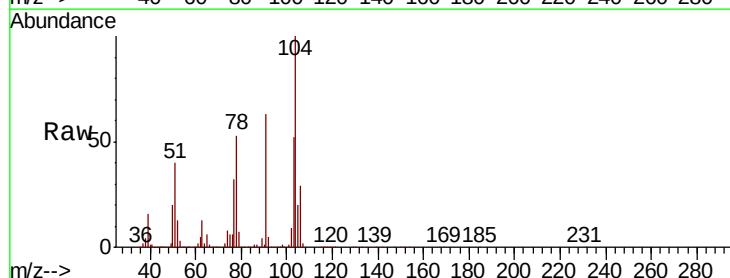
Acq: 11 Feb 2020 16:38

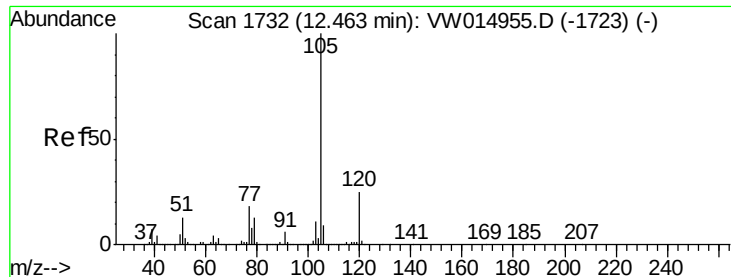
Tgt Ion:104 Resp: 834007

Ion Ratio Lower Upper

104 100

78 52.5 33.8 62.8





#57

Isopropylbenzene

Concen: 26.970 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

ClientSampled :

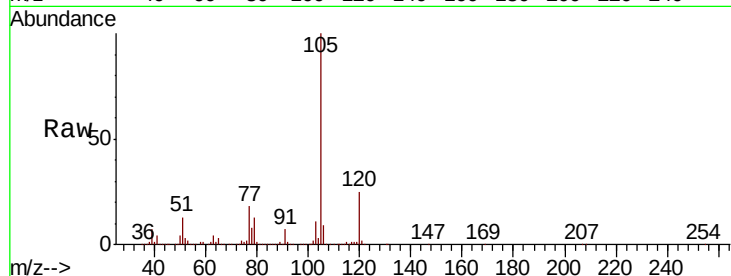
Tot Ion:105 Resp: 1289862

Ion Ratio Lower Upper

105 100

120 24.7 20.4 30.6

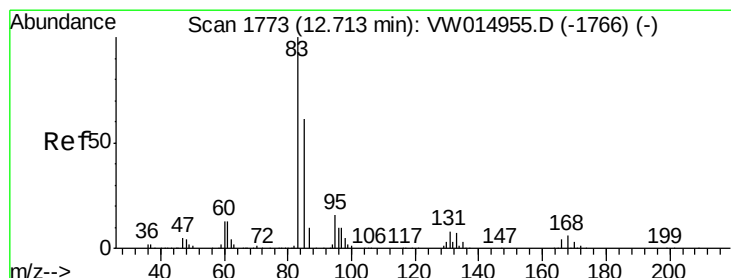
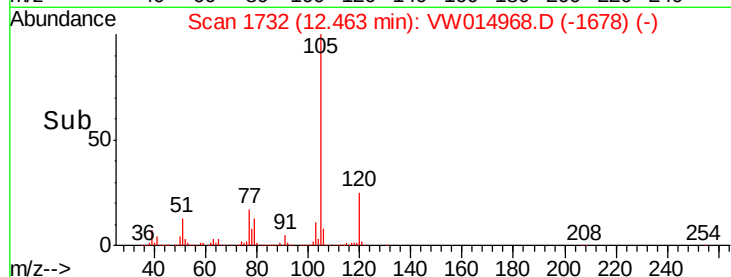
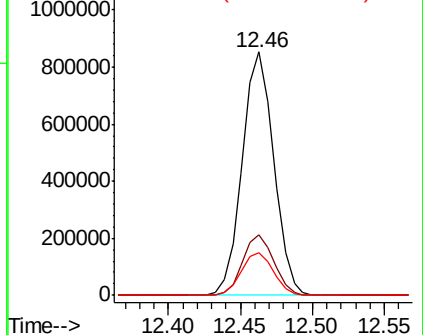
77 17.8 13.1 19.7



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



#58

1,1,2,2-Tetrachloroethane

Concen: 28.646 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

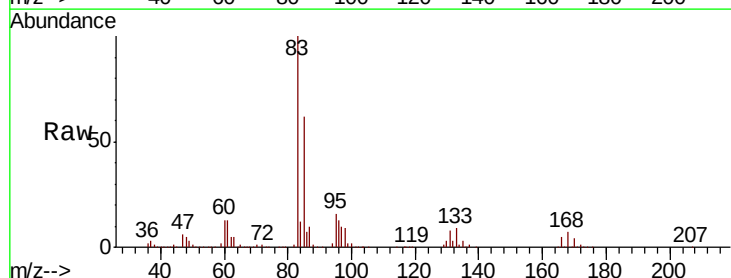
Tgt Ion: 83 Resp: 290528

Ion Ratio Lower Upper

83 100

85 62.5 45.9 85.3

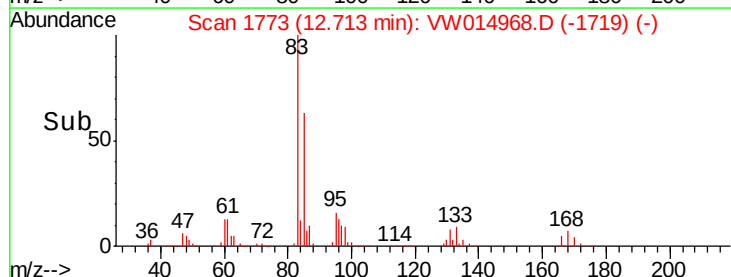
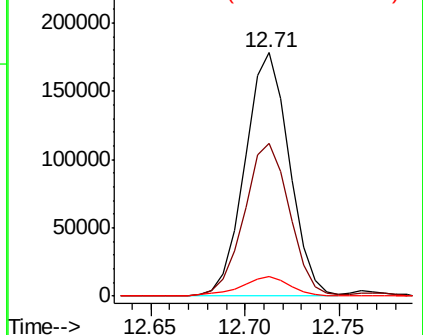
131 7.9 7.3 10.9

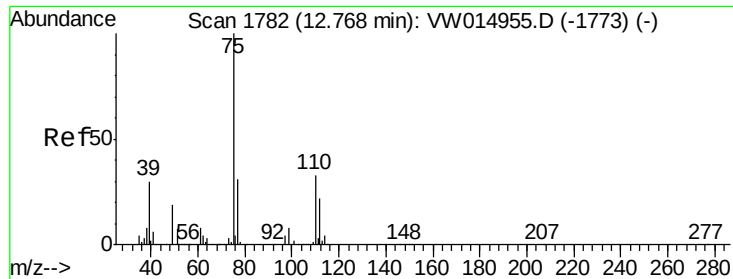


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.343 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

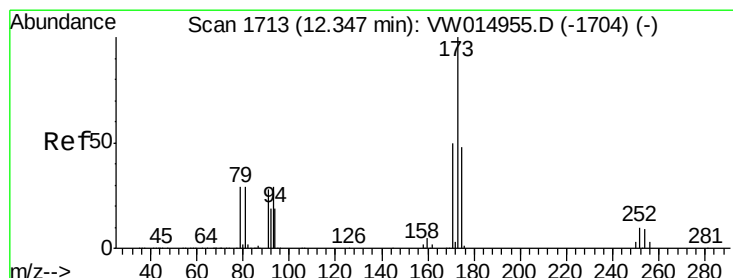
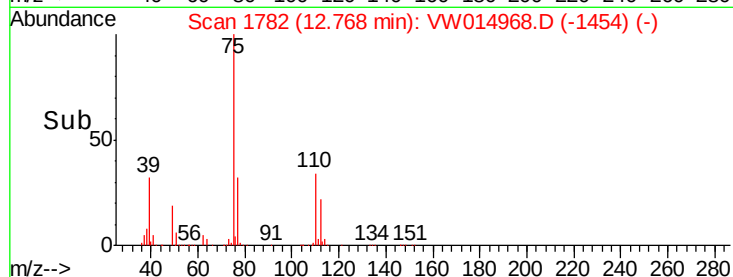
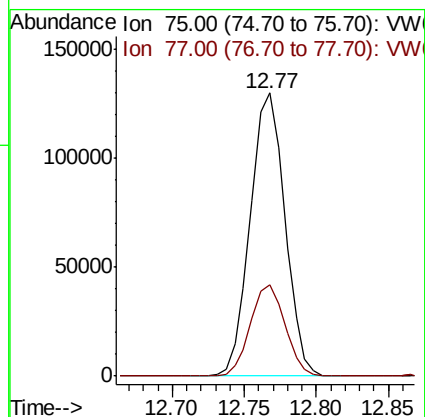
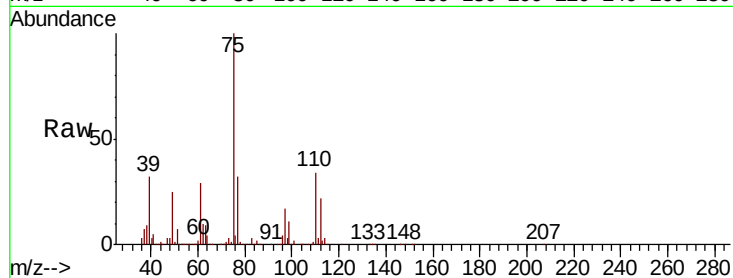
ClientSampleId :

Tot Ion: 75 Resp: 216269

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 24.455 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

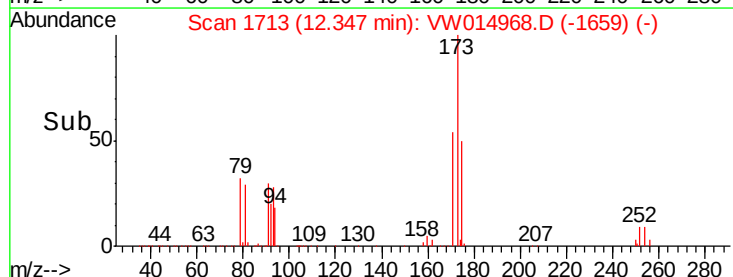
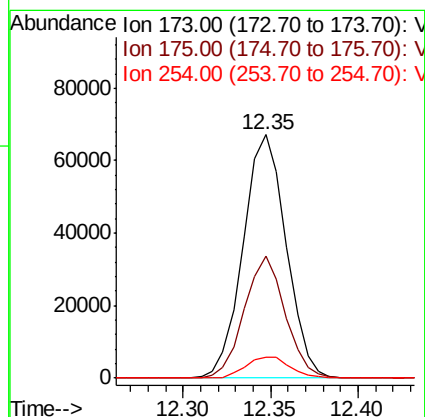
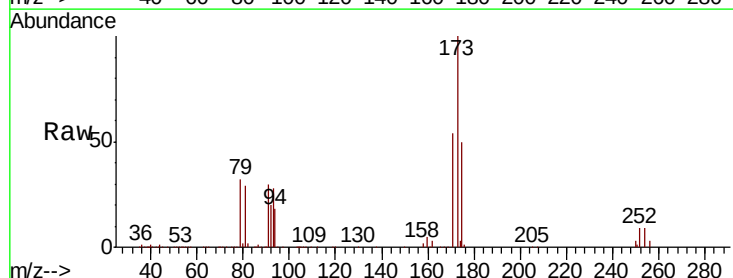
Tgt Ion: 173 Resp: 114927

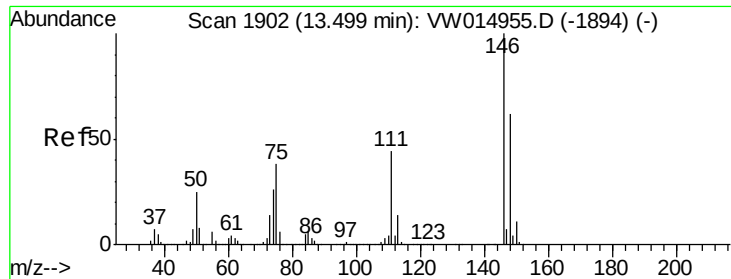
Ion Ratio Lower Upper

173 100

175 47.6 38.9 58.3

254 8.9 7.8 11.8

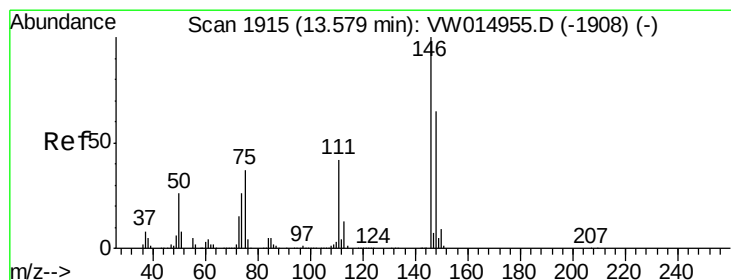
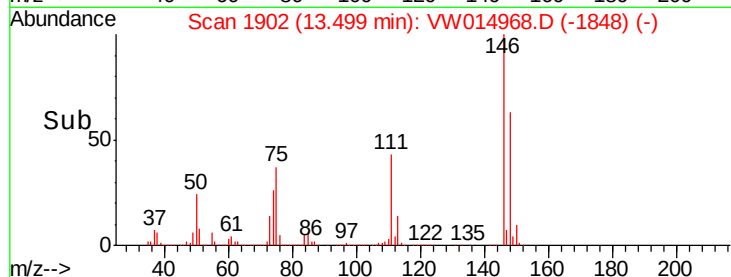
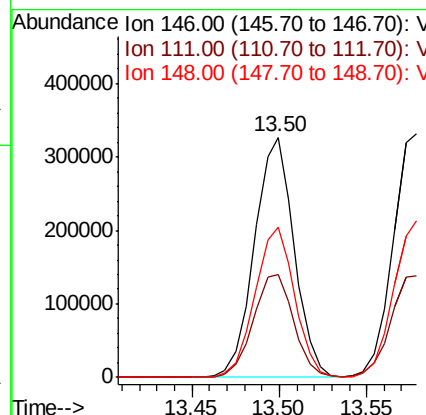
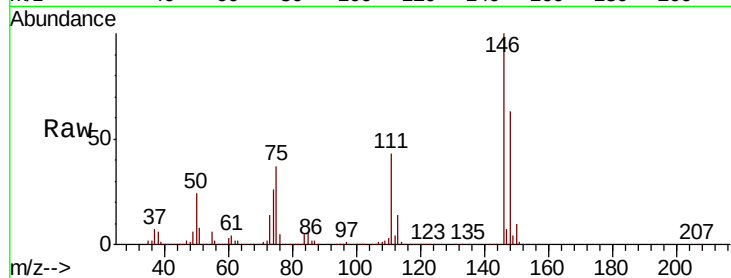




#63
 1,3-Dichlorobenzene
 Concen: 24.796 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

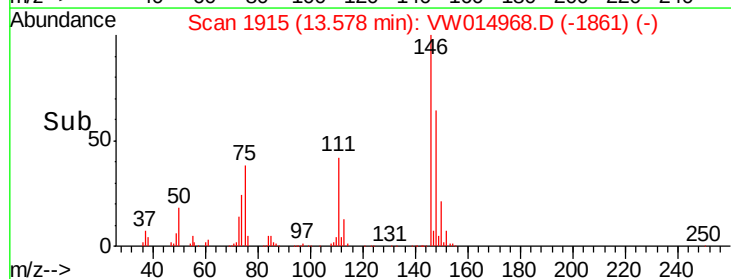
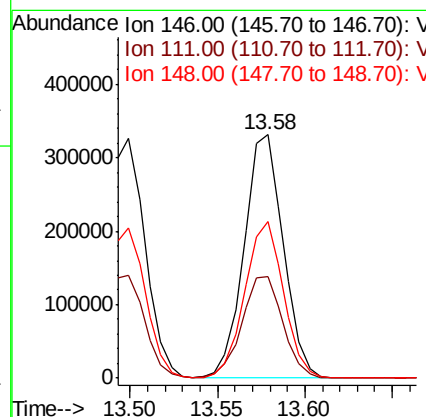
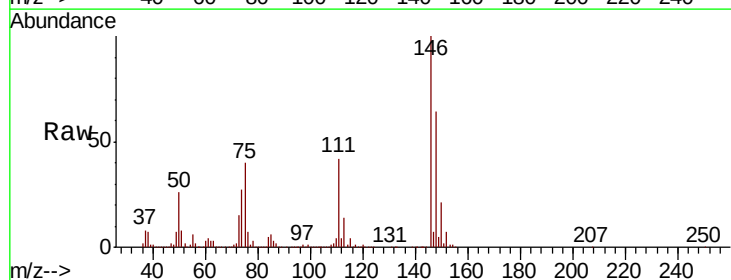
Instrument :
 MSVOA_W
 ClientSampleId :

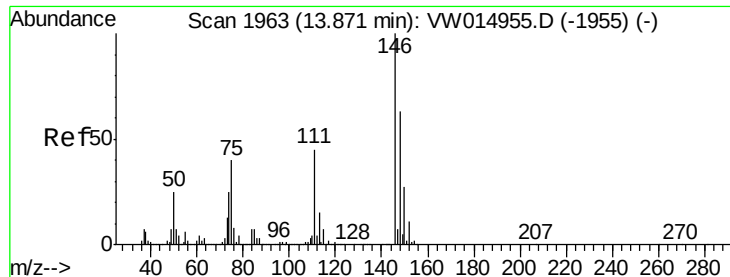
Tot Ion:146 Resp: 516354
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.6 53.0
 148 62.8 43.3 80.5



#64
 1,4-Dichlorobenzene
 Concen: 24.718 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

Tgt Ion:146 Resp: 518492
 Ion Ratio Lower Upper
 146 100
 111 41.7 27.9 51.7
 148 64.5 44.0 81.8

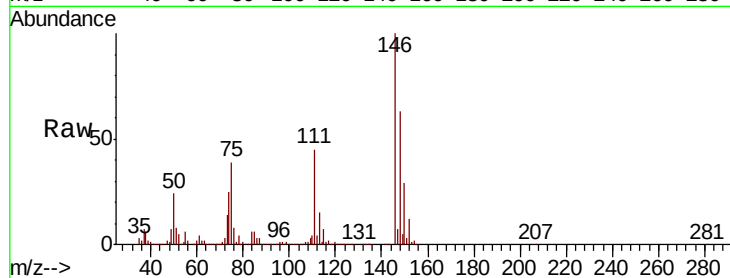




#65
 1,2-Dichlorobenzene
 Concen: 25.133 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	35.0	52.6
148	62.6	51.1	76.7

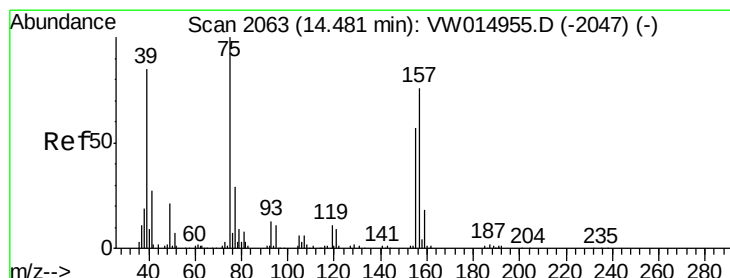
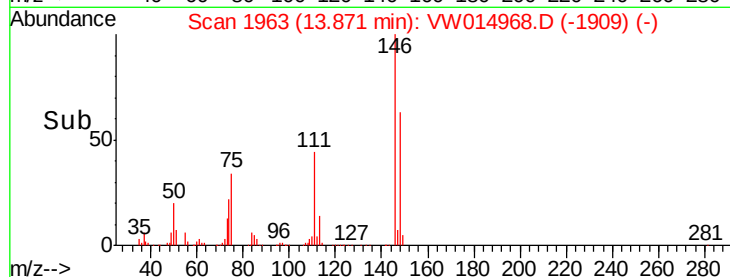
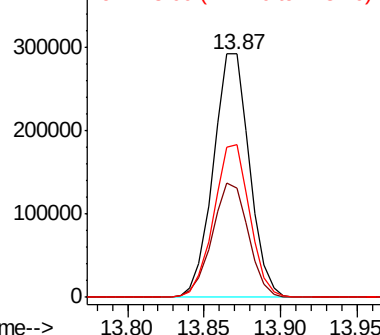


Abundance

Ion 146.00 (145.70 to 146.70): V

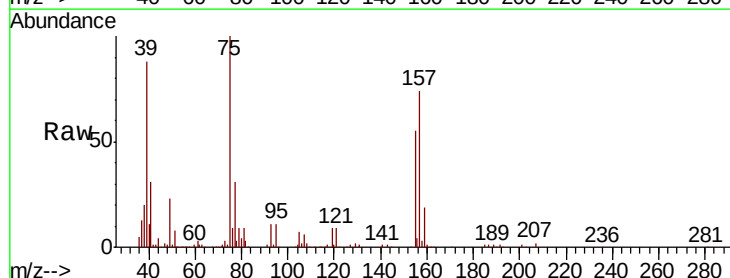
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.563 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
157	73.9	74.2	111.4#
155	55.5	56.1	84.1#

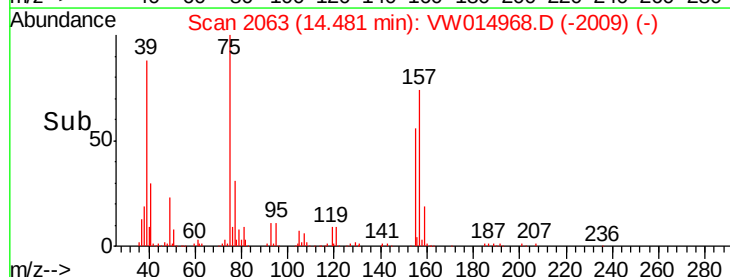
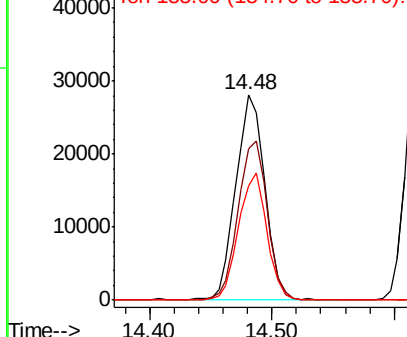


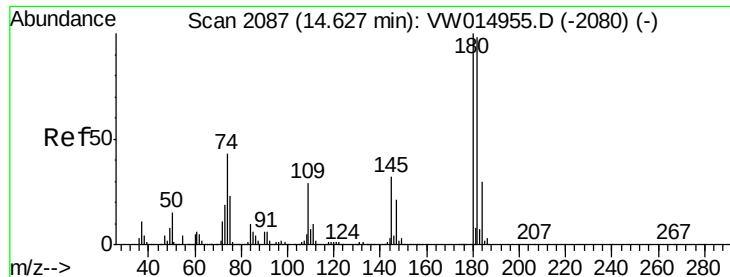
Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

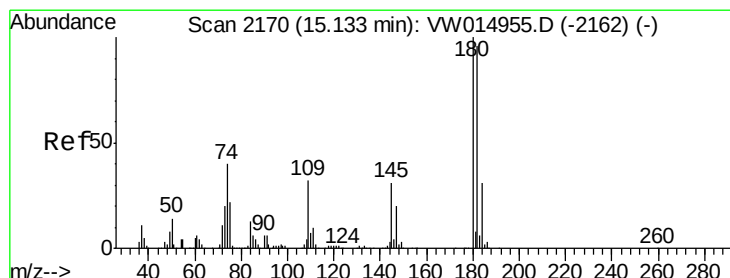
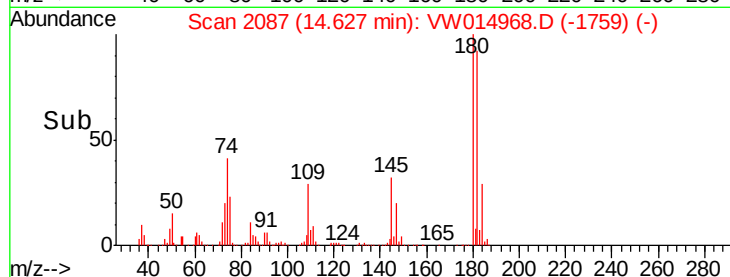
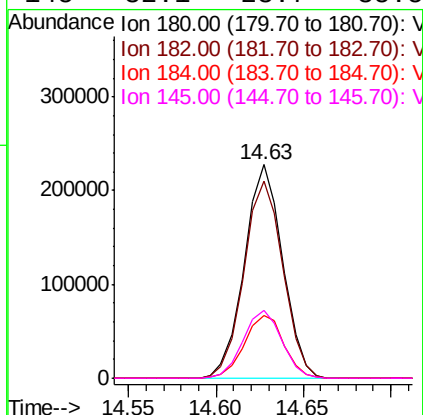
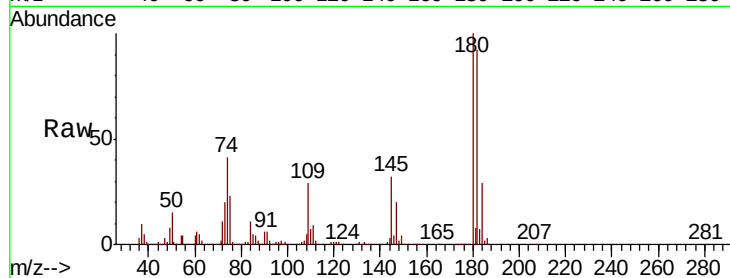




#67
 1,3,5-Trichlorobenzene
 Concen: 23.254 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

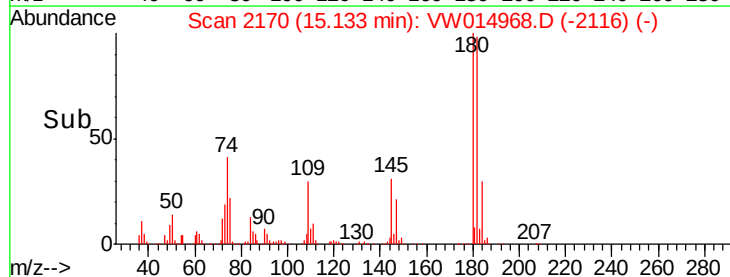
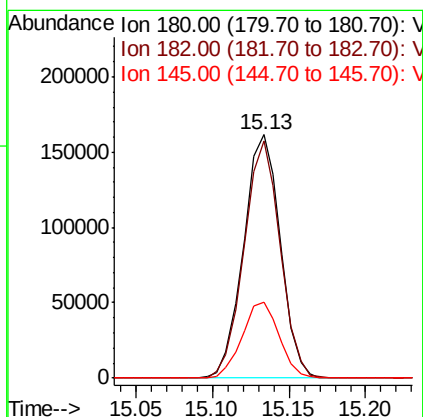
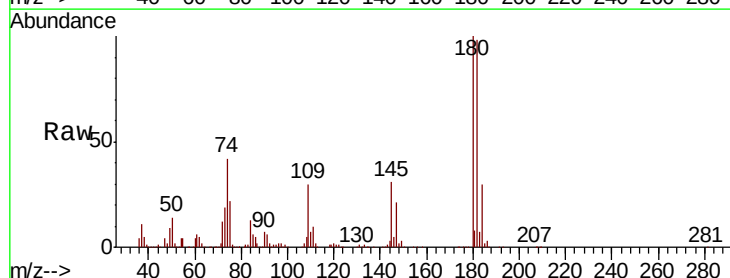
Instrument :
 MSVOA_W
 ClientSampleId :

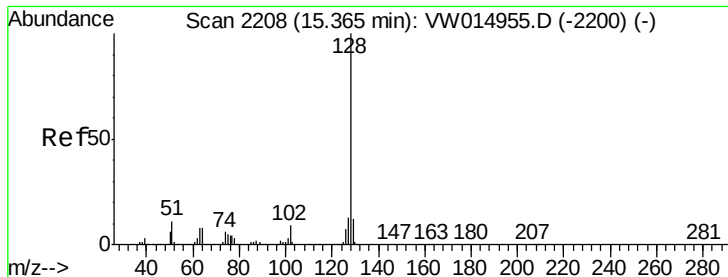
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.5	113.3
184	30.4	24.6	36.8
145	32.1	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 22.924 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014968.D
 Acq: 11 Feb 2020 16:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.4	114.6
145	31.6	24.6	37.0





#69

Naphthalene

Concen: 24.621 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

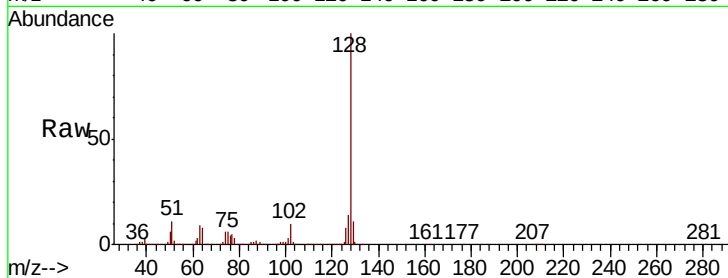
Tot Ion:128 Resp: 570694

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

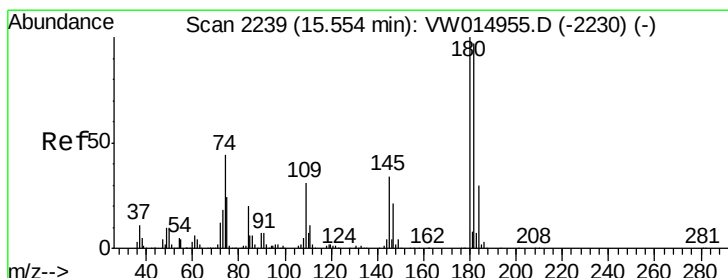
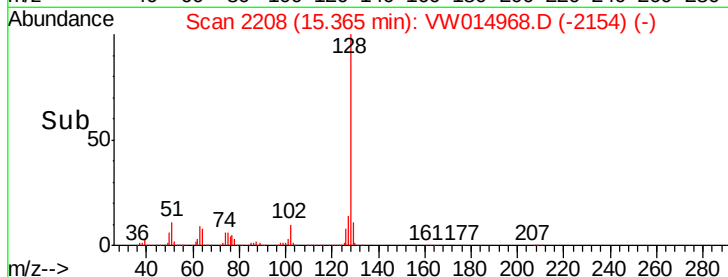
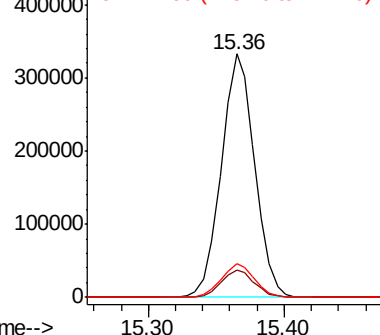
127 13.7 10.5 15.7



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: 23.933 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014968.D

Acq: 11 Feb 2020 16:38

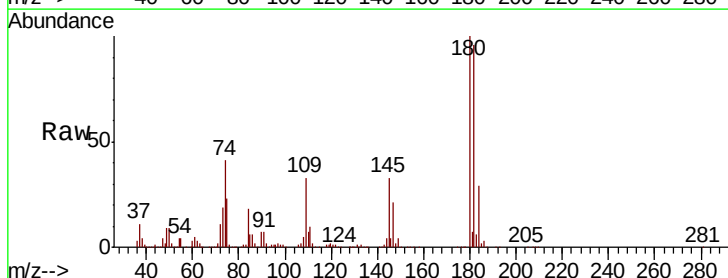
Tgt Ion:180 Resp: 260405

Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

145 34.3 26.0 39.0



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

