

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091120\
 Data File : VW016554.D
 Acq On : 11 Sep 2020 17:02
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 02:19:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 12 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	592655	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	542137	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	261257	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	128040	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
7) Chloroethane-d5	2.90	69	142559	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.00%
10) 1,1-Dichloroethene-d2	4.03	63	314760	21.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.08%
20) 2-Butanone-d5	7.09	46	83150	37.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.06%
24) Chloroform-d	7.66	84	351933	25.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	8.31	65	183531	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.72%
29) Benzene-d6	8.28	84	647074	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	9.28	67	188908	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.32%
37) Toluene-d8	10.33	98	637606	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
38) trans-1,3-Dichloropropene-	10.58	79	87647	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	10.93	63	67833	40.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	165559	24.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	221654	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	106790	16.106	ug/L 97
3) Chloromethane	2.23	50	123083	21.143	ug/L 98
5) Vinyl chloride	2.37	62	185197	24.977	ug/L 98
6) Bromomethane	2.79	94	155750	28.104	ug/L 100
8) Chloroethane	2.94	64	123449	27.064	ug/L 99
9) Trichlorofluoromethane	3.28	101	161335	26.569	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	179473	24.989	ug/L 93
12) 1,1-Dichloroethene	4.05	96	171247	23.449	ug/L 94
13) Acetone	4.13	43	57948	40.206	ug/L 98
14) Carbon disulfide	4.40	76	507925	22.758	ug/L 99
16) Methylene chloride	4.93	84	181575	19.631	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	247157	22.560	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	183881	23.704	ug/L 95
19) 1,1-Dichloroethane	6.23	63	313203	23.722	ug/L 97
21) 2-Butanone	7.18	43	80684	33.354	ug/L 92
22) cis-1,2-Dichloroethene	7.18	96	195612	24.205	ug/L 99
23) Bromochloromethane	7.52	128	84321	22.510	ug/L 97

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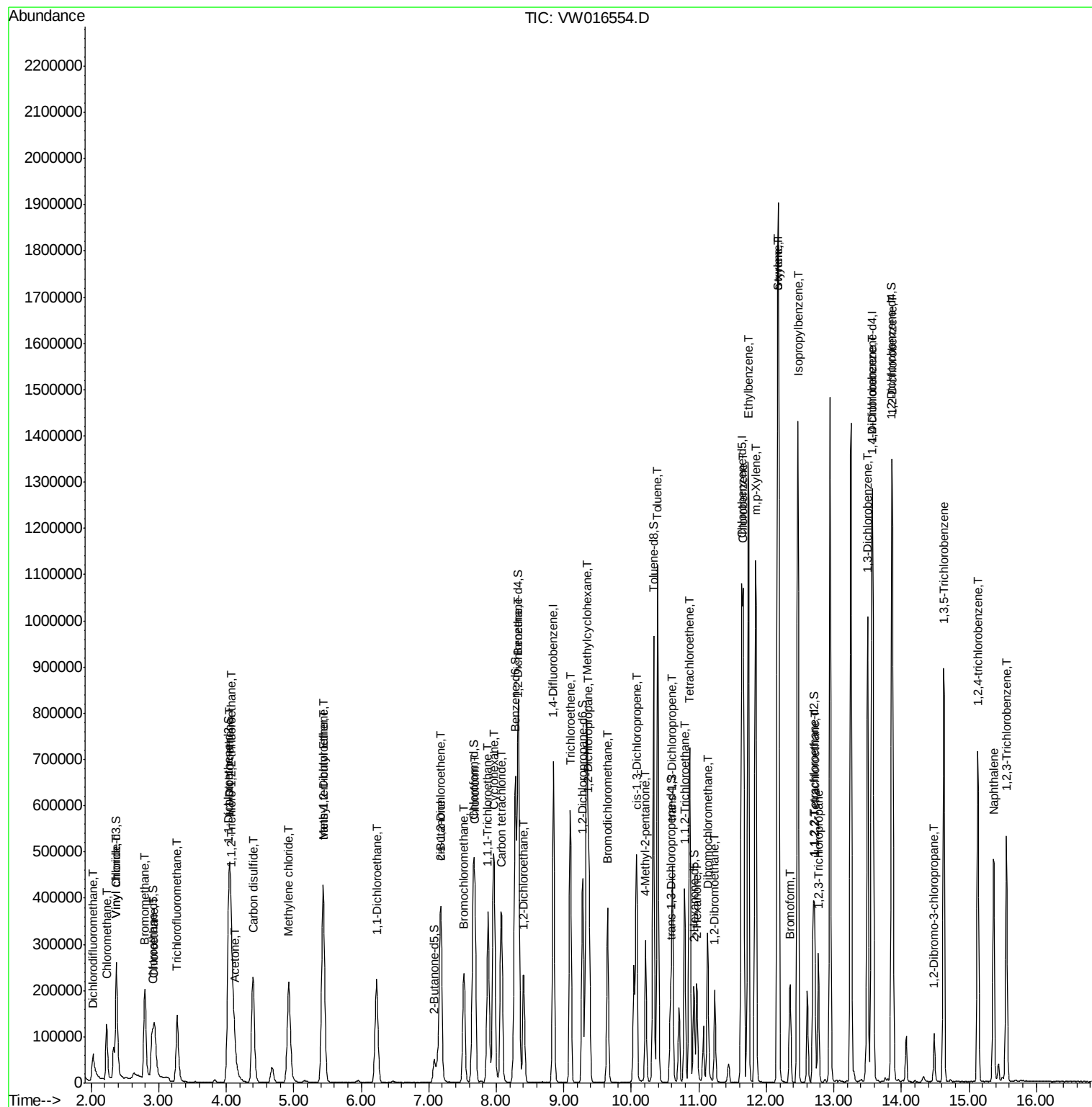
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	330682	24.199	ug/L	98
27) 1,2-Dichloroethane	8.40	62	215045	23.632	ug/L	100
30) Cyclohexane	7.96	56	283380	21.882	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	299952	25.551	ug/L	98
32) Carbon tetrachloride	8.08	117	277440	24.709	ug/L	97
34) Benzene	8.33	78	723808	24.419	ug/L	100
35) Trichloroethene	9.10	95	197898	24.095	ug/L	99
36) Methylcyclohexane	9.34	83	336281	23.401	ug/L	96
40) 1,2-Dichloropropane	9.37	63	168701	23.019	ug/L	100
41) Bromodichloromethane	9.65	83	243411	23.756	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	279581	22.480	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	189664	36.547	ug/L	98
44) Toluene	10.39	91	820674	24.742	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	248270	22.333	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	129215	22.246	ug/L	99
47) Tetrachloroethene	10.87	164	149847	22.755	ug/L	90
49) 2-Hexanone	10.97	43	131476	36.378	ug/L	97
50) Dibromochloromethane	11.13	129	163033	22.197	ug/L	98
51) 1,2-Dibromoethane	11.24	107	127835	22.024	ug/L	96
52) Chlorobenzene	11.66	112	510322	24.254	ug/L	96
53) Ethylbenzene	11.73	91	938309	25.115	ug/L	100
54) m,p-Xylene	11.84	106	356594	24.974	ug/L	97
55) o-xylene	12.17	106	343700	25.269	ug/L	97
56) Styrene	12.18	104	584795	25.023	ug/L	98
57) Isopropylbenzene	12.47	105	955147	25.635	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	154430	22.302	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	109215	21.103	ug/L	100
62) Bromoform	12.35	173	89511	20.418	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	389887	23.704	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	391303	23.993	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	354551	24.251	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26035	19.124	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	263357	23.230	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	209545	21.370	ug/L	96
69) Naphthalene	15.36	128	417709	20.184	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	176566	20.972	ug/L	98

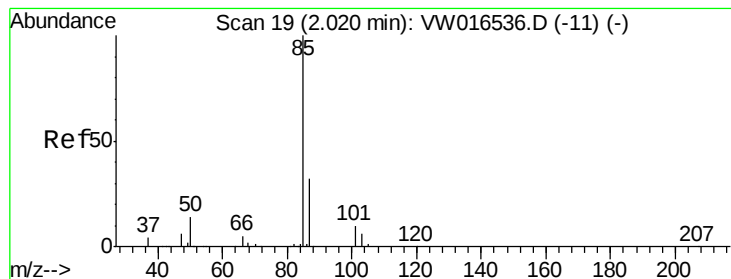
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 16.106 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

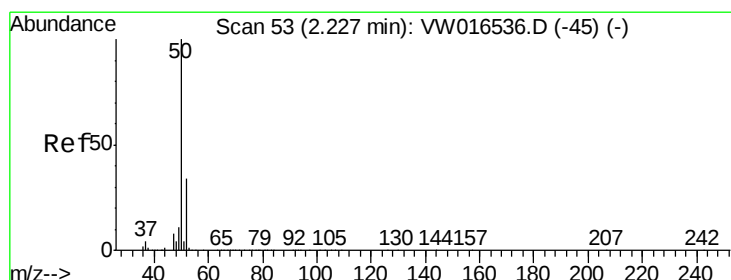
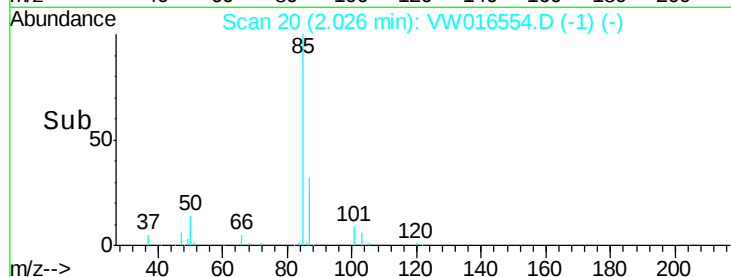
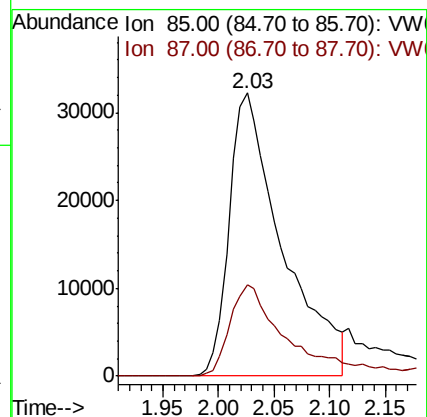
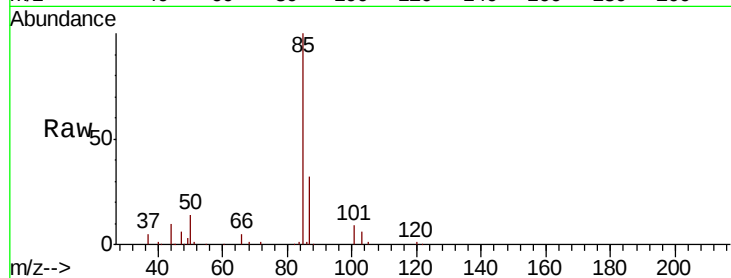
ClientSampled :

Tot Ion: 85 Resp: 106790

Ion Ratio Lower Upper

85 100

87 30.3 22.3 41.5



#3

Chloromethane

Concen: 21.143 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016554.D

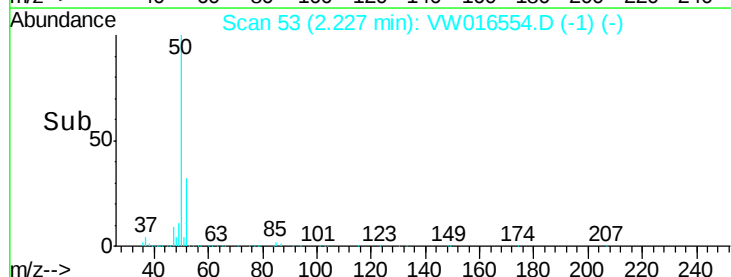
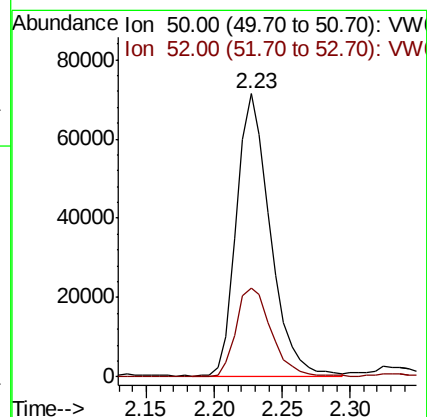
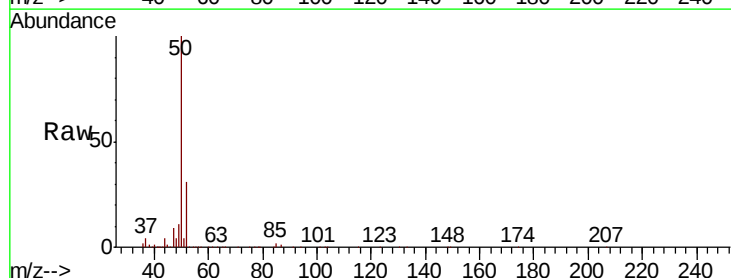
Acq: 11 Sep 2020 17:02

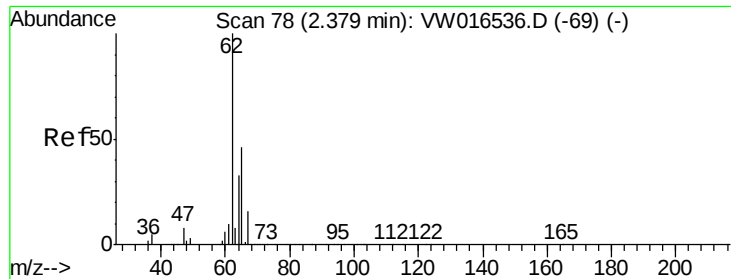
Tgt Ion: 50 Resp: 123083

Ion Ratio Lower Upper

50 100

52 31.5 23.0 42.6





#5

Vinyl chloride

Concen: 24.977 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

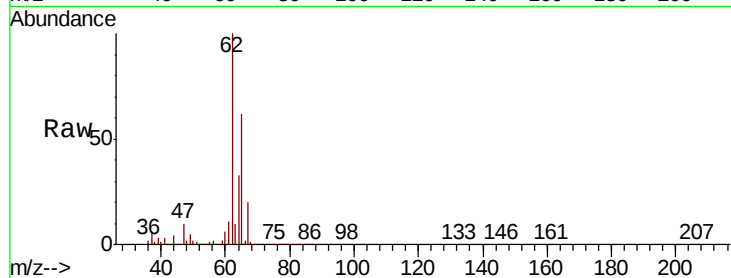
ClientSampleId :

Tot Ion: 62 Resp: 185197

Ion Ratio Lower Upper

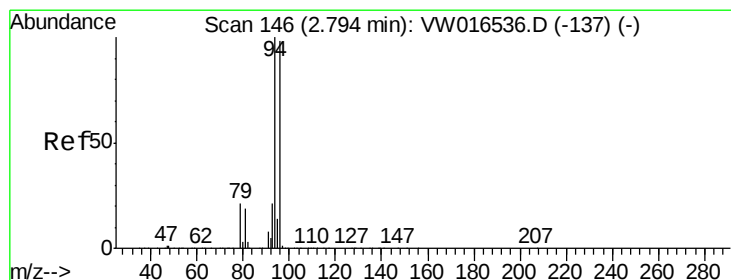
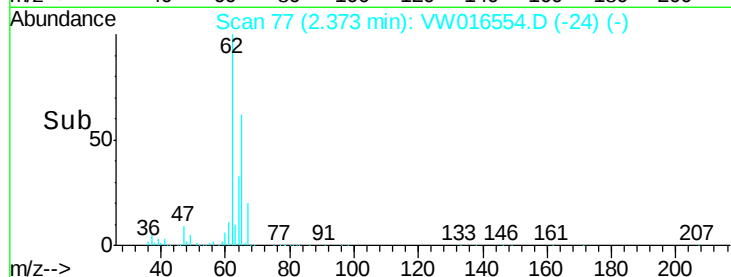
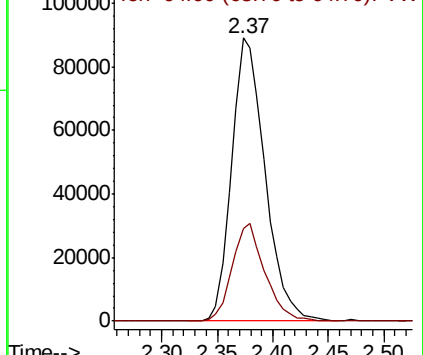
62 100

64 32.9 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 28.104 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016554.D

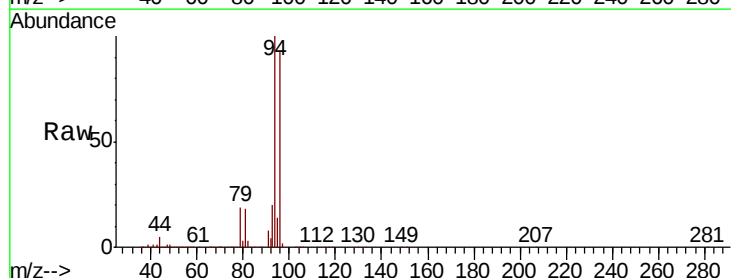
Acq: 11 Sep 2020 17:02

Tgt Ion: 94 Resp: 155750

Ion Ratio Lower Upper

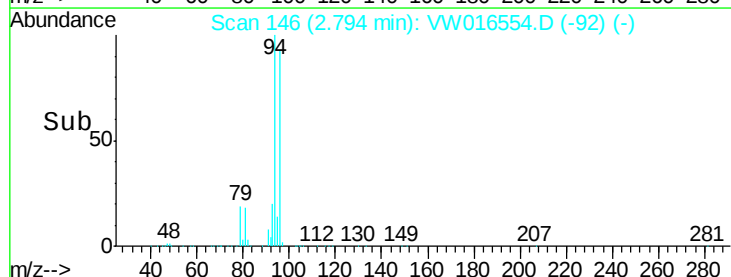
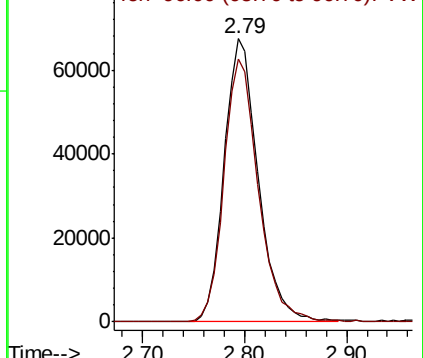
94 100

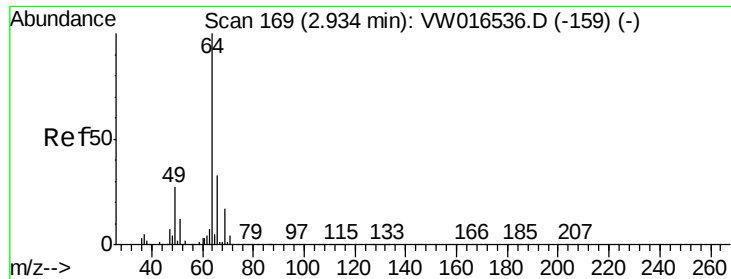
96 93.8 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

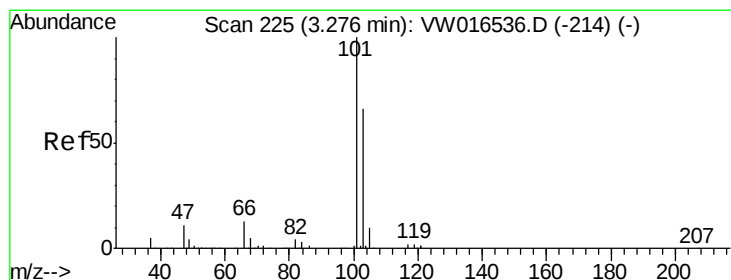
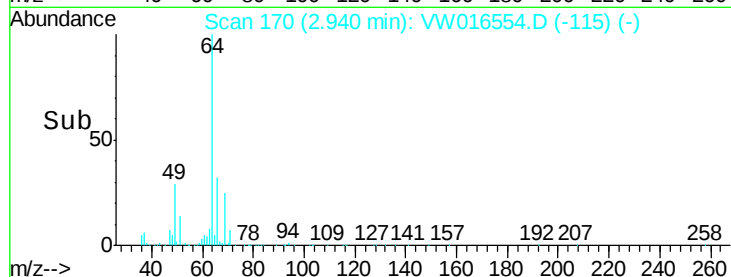
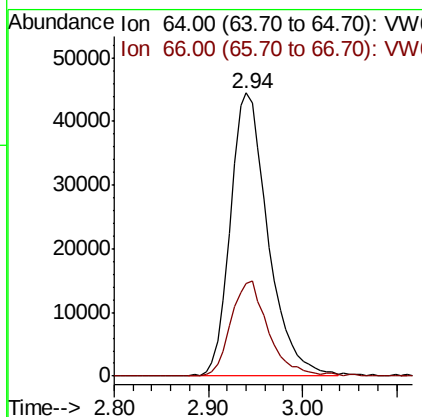
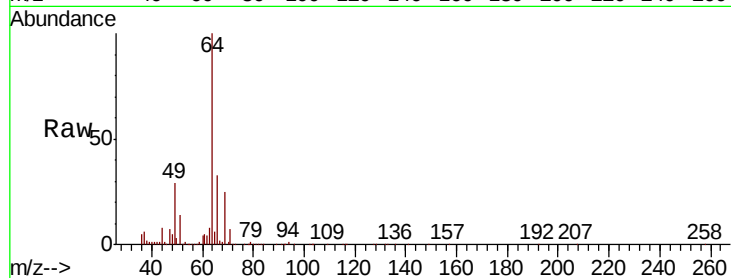




#8
Chloroethane
Concen: 27.064 ug/L
RT: 2.94 min Scan# 170
Delta R.T. 0.01 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

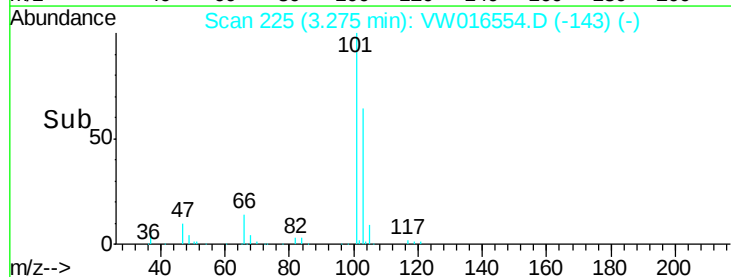
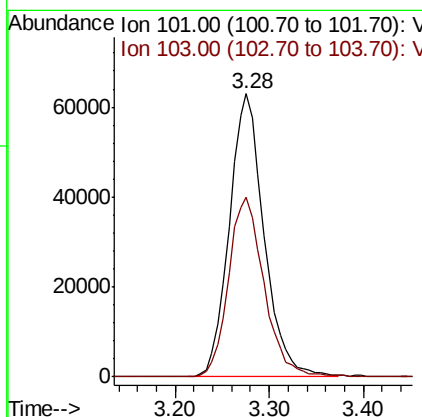
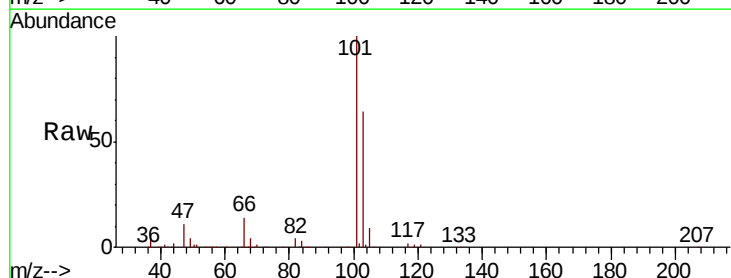
Instrument :
MSVOA_W
ClientSampleId :

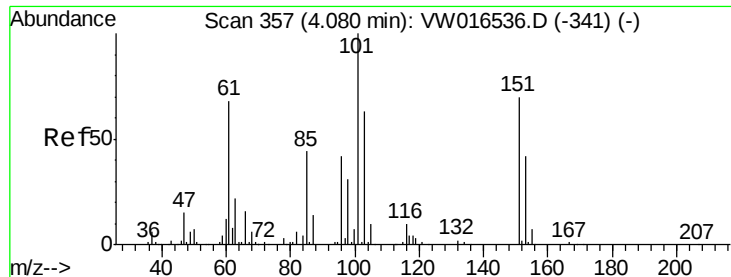
Tot Ion: 64 Resp: 123449
Ion Ratio Lower Upper
64 100
66 32.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 26.569 ug/L
RT: 3.28 min Scan# 225
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion: 101 Resp: 161335
Ion Ratio Lower Upper
101 100
103 64.8 45.1 83.7





#11

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

Concen: 24.989 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

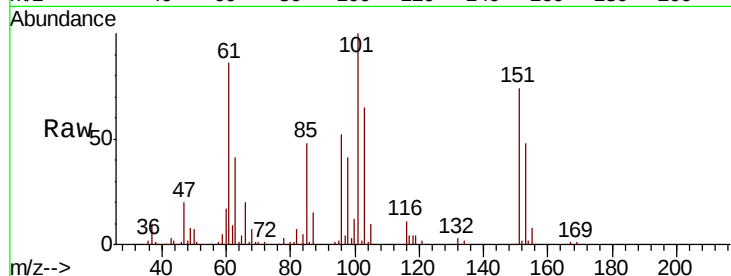
Tot Ion:101 Resp: 179473

Ion Ratio Lower Upper

101 100

85 42.5 33.4 50.0

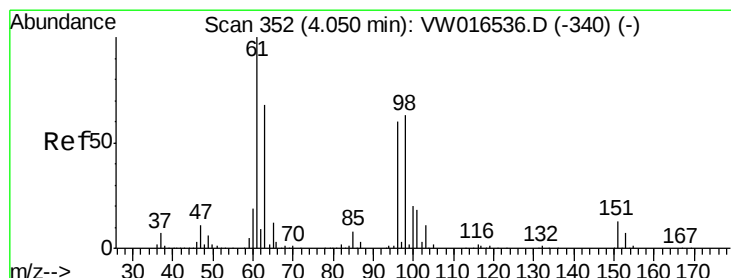
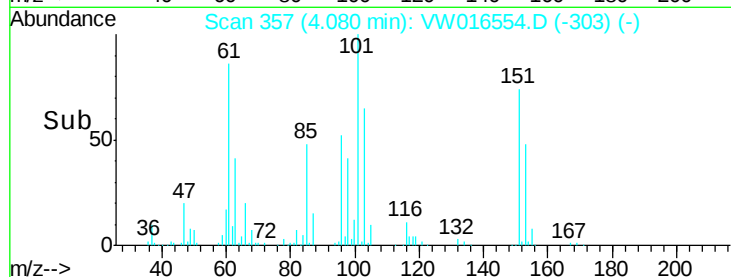
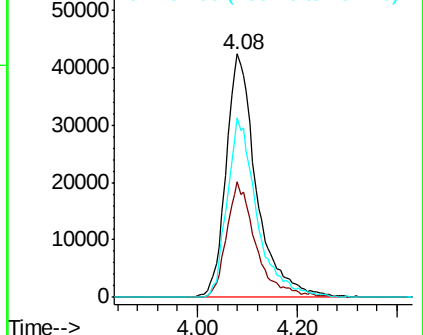
151 68.7 61.6 92.4



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: 23.449 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

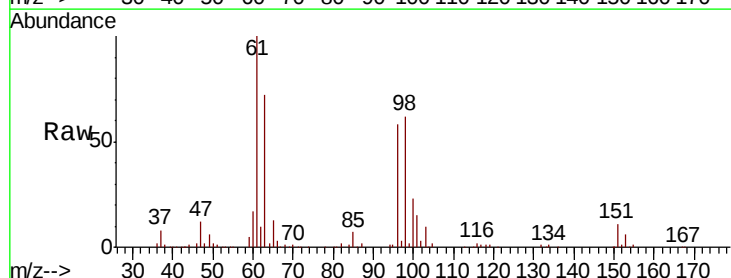
Tgt Ion: 96 Resp: 171247

Ion Ratio Lower Upper

96 100

61 172.5 116.5 216.3

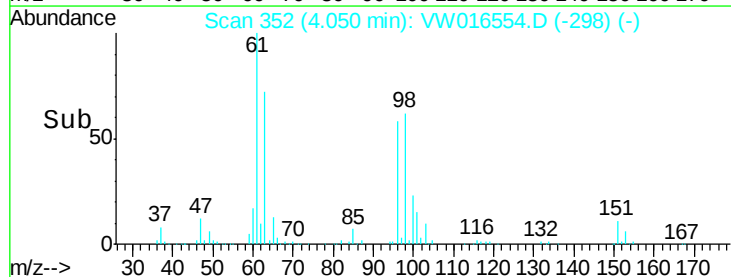
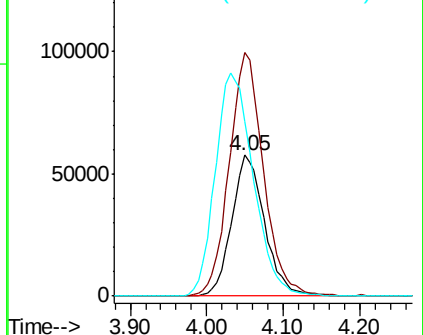
63 123.9 81.1 150.5

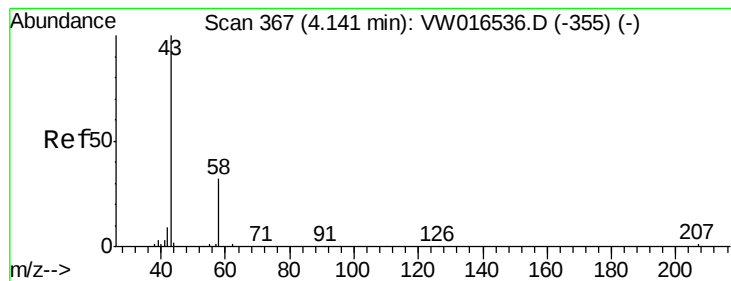


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.206 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

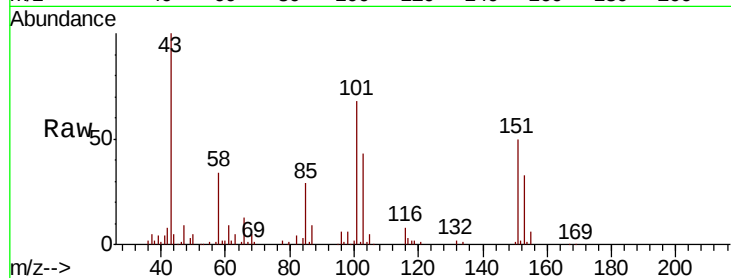
ClientSampleId :

Tot Ion: 43 Resp: 57948

Ion Ratio Lower Upper

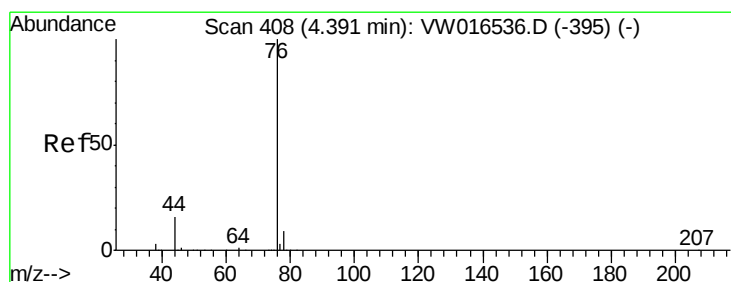
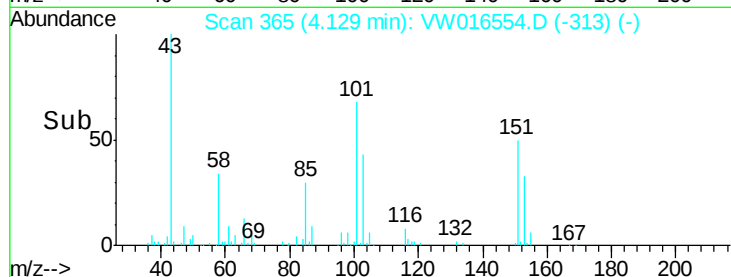
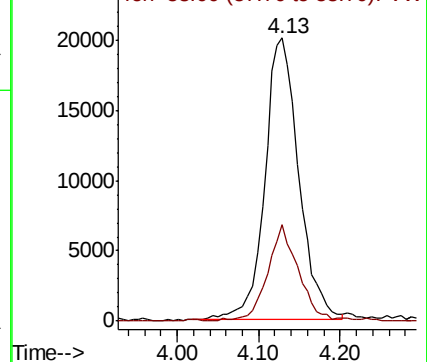
43 100

58 30.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.758 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016554.D

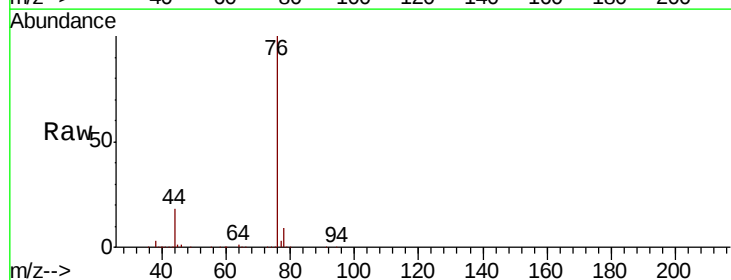
Acq: 11 Sep 2020 17:02

Tgt Ion: 76 Resp: 507925

Ion Ratio Lower Upper

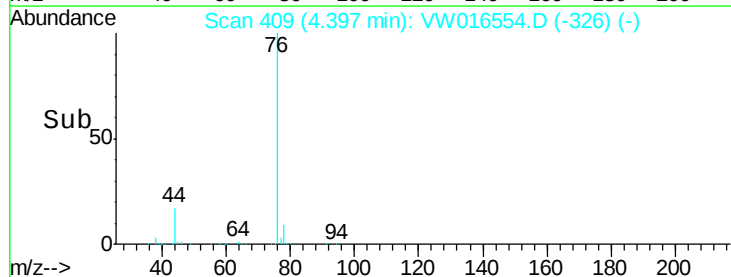
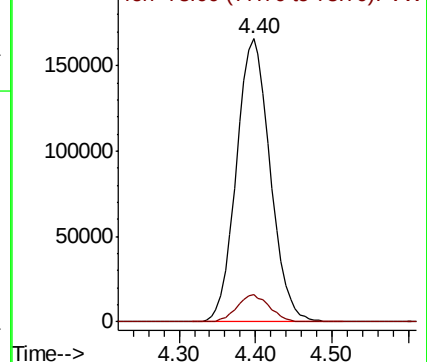
76 100

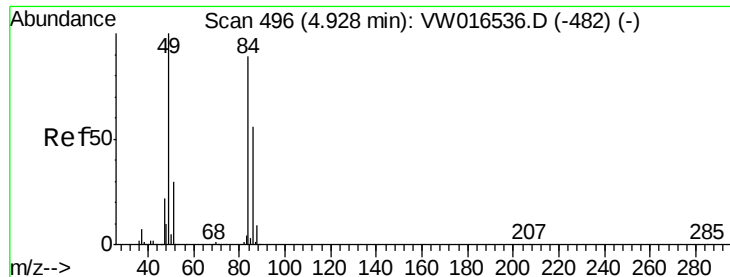
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

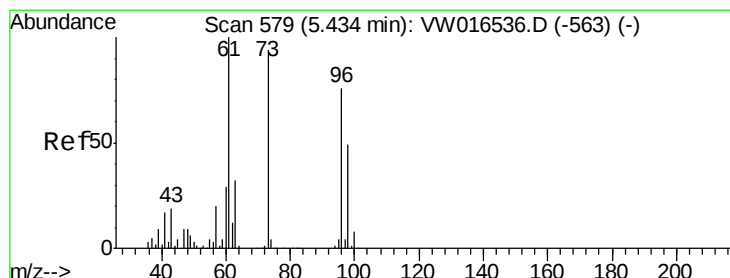
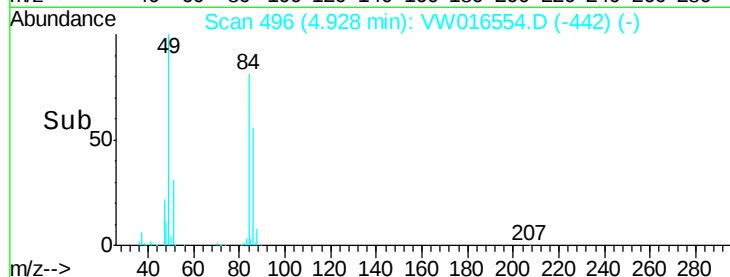
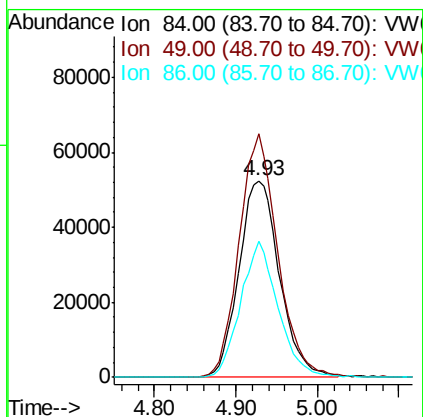
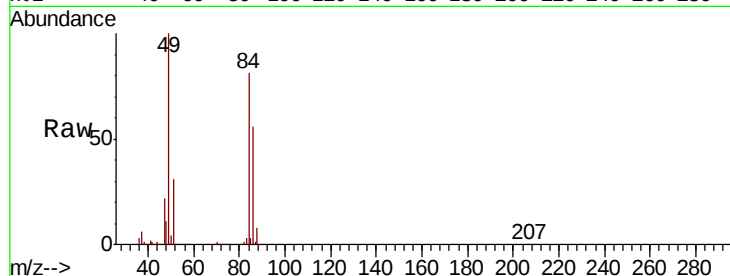




#16
Methylene chloride
Concen: 19.631 ug/L
RT: 4.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

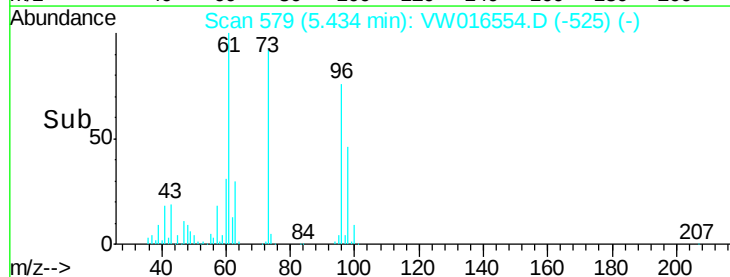
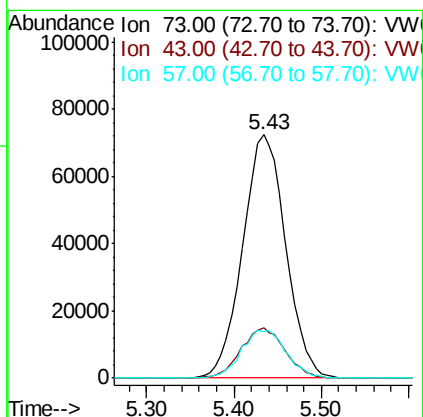
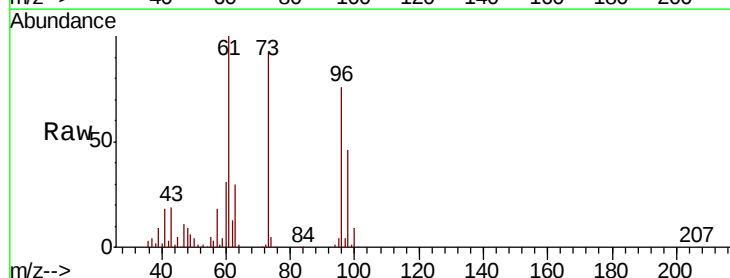
Instrument :
MSVOA_W
ClientSampled :

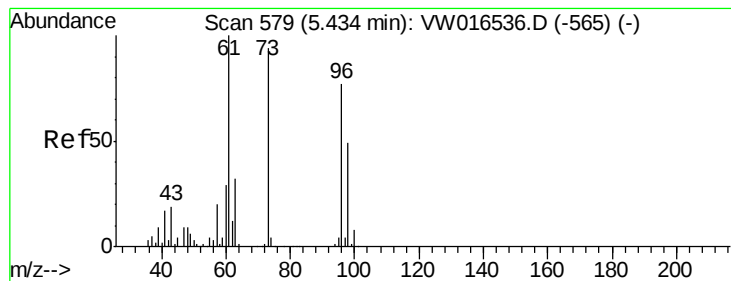
Tot Ion: 84 Resp: 181575
Ion Ratio Lower Upper
84 100
49 123.8 86.7 160.9
86 69.2 44.9 83.5



#17
Methyl tert-butyl Ether
Concen: 22.560 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion: 73 Resp: 247157
Ion Ratio Lower Upper
73 100
43 21.1 17.9 26.9
57 20.8 17.4 26.0





#18

trans-1,2-Dichloroethene

Concen: 23.704 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

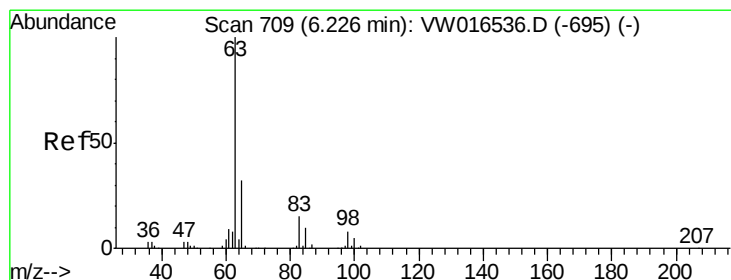
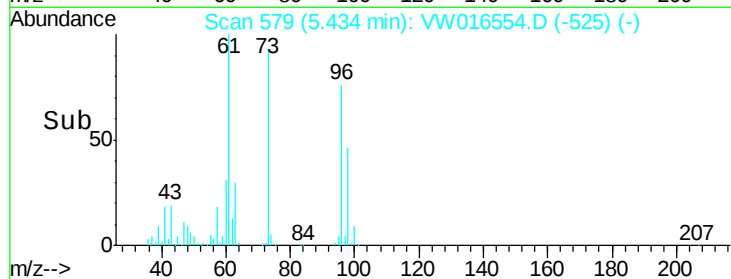
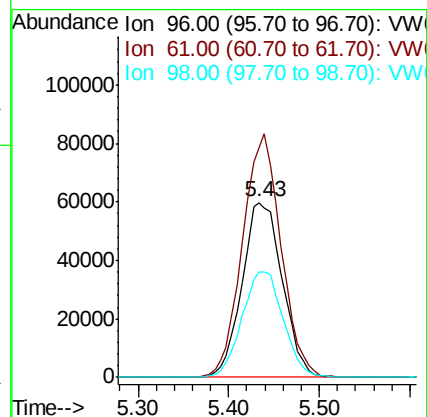
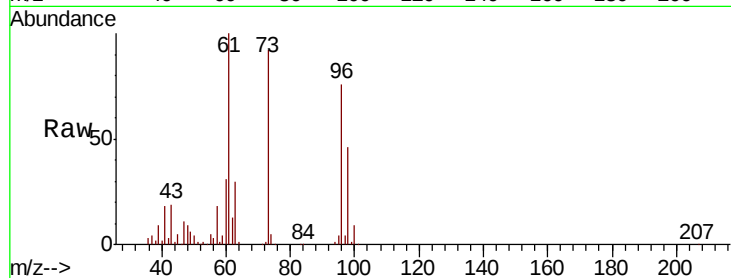
Tot Ion: 96 Resp: 183881

Ion Ratio Lower Upper

96 100

61 131.7 96.4 179.0

98 60.5 45.1 83.7



#19

1,1-Dichloroethane

Concen: 23.722 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

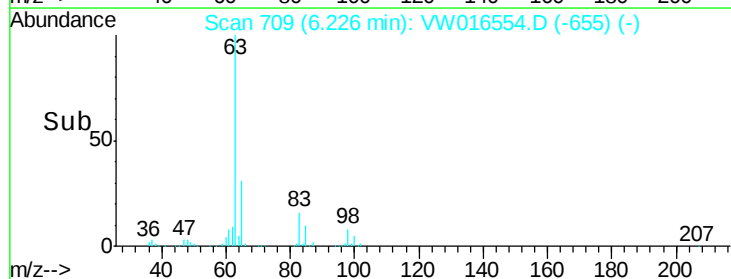
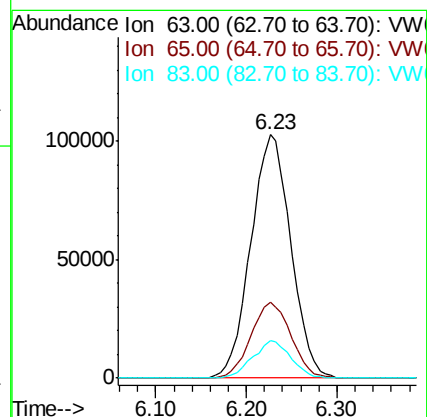
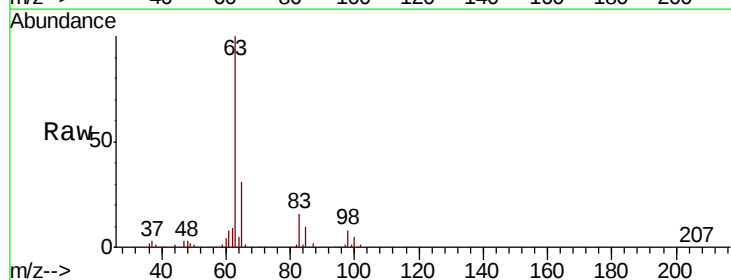
Tgt Ion: 63 Resp: 313203

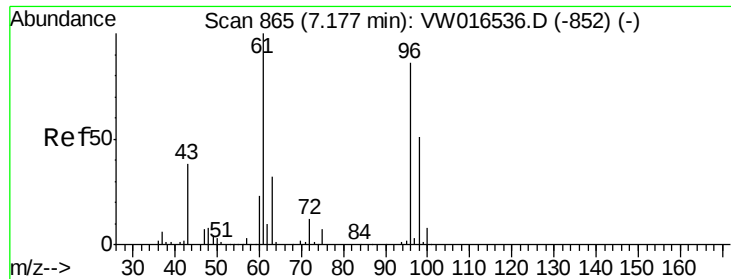
Ion Ratio Lower Upper

63 100

65 31.1 23.3 43.3

83 15.5 10.3 19.1





#21

2-Butanone

Concen: 33.354 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

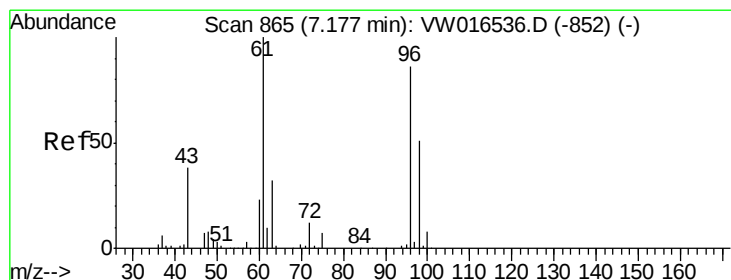
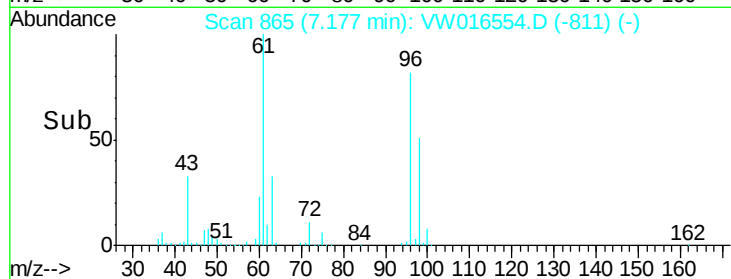
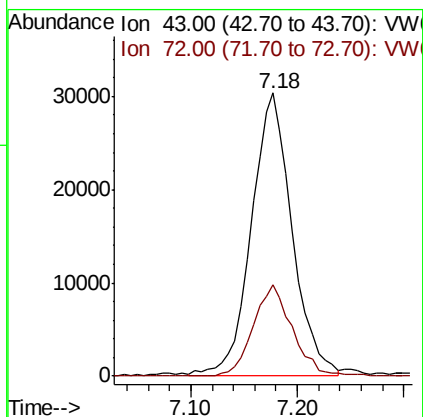
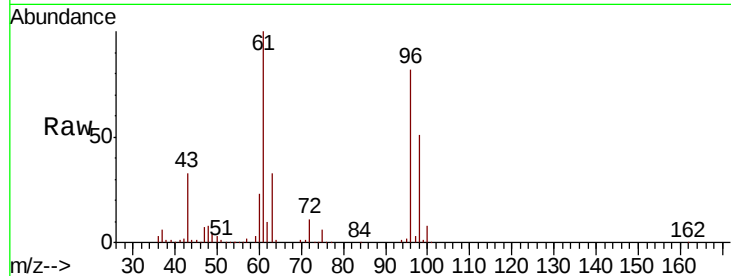
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 80684

Ion Ratio Lower Upper

43 100

72 31.1 13.5 40.4



#22

cis-1,2-Dichloroethene

Concen: 24.205 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

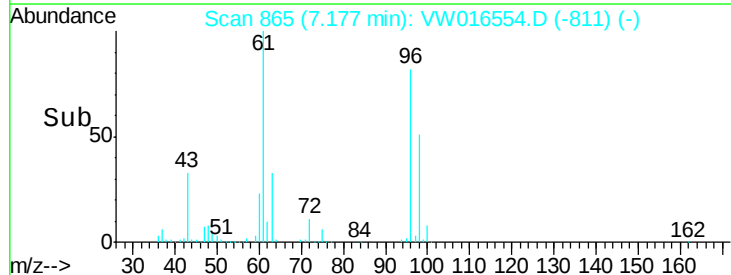
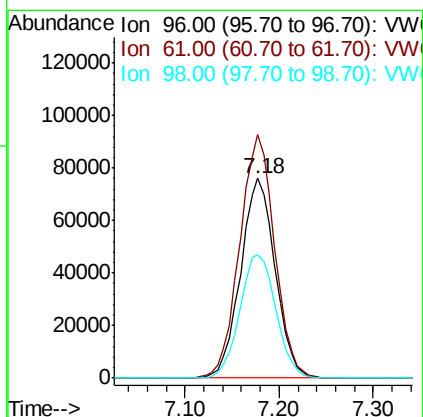
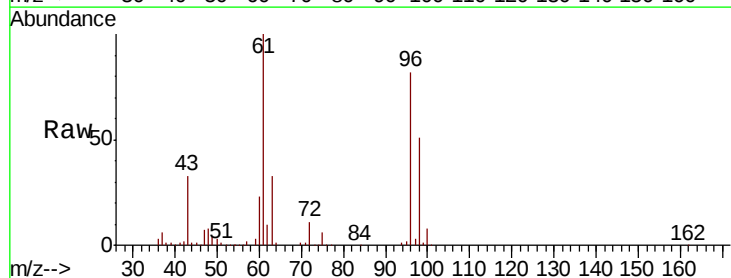
Tgt Ion: 96 Resp: 195612

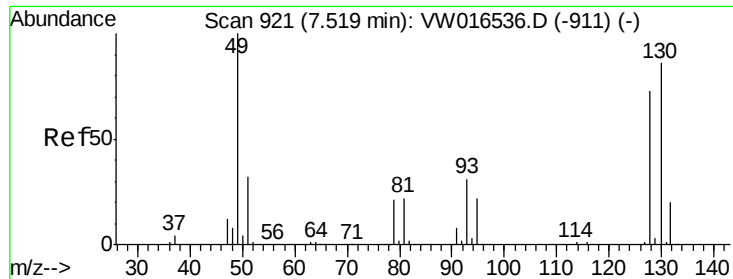
Ion Ratio Lower Upper

96 100

61 121.9 86.1 159.9

98 61.9 44.1 81.9

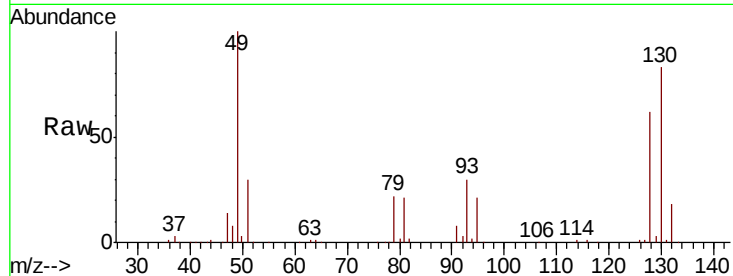




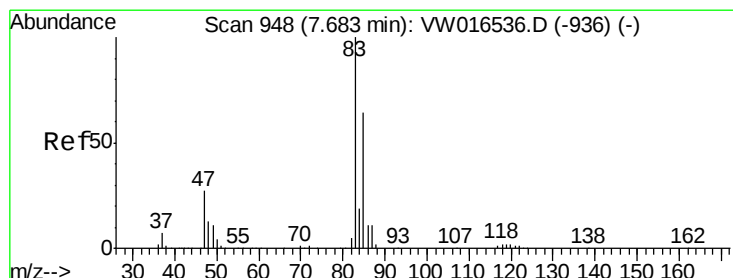
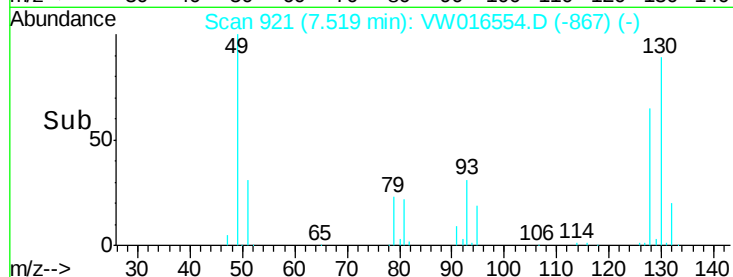
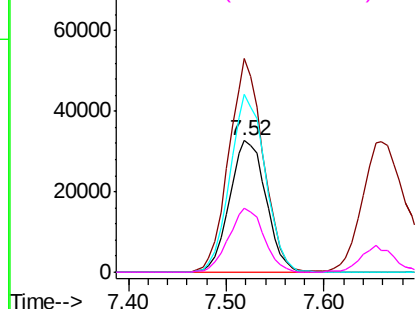
#23
Bromochloromethane
Concen: 22.510 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 84321
Ion Ratio Lower Upper
128 100
49 162.6 111.6 207.4
130 135.2 90.9 168.7
51 48.6 38.5 57.7

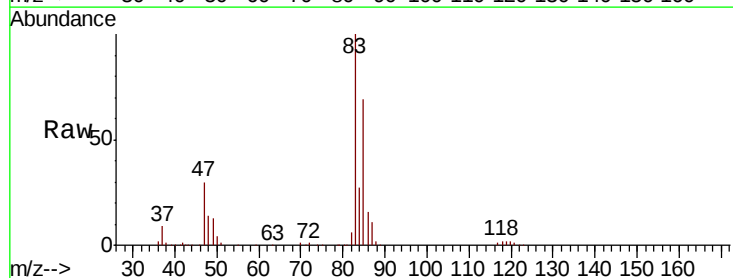


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

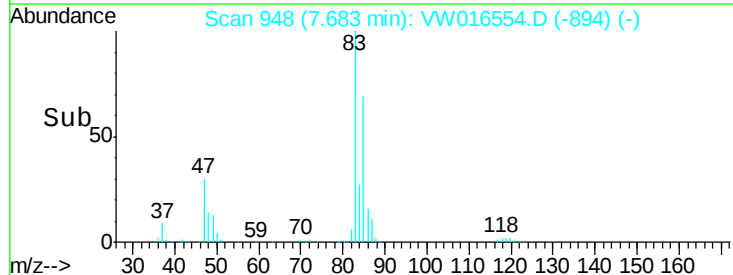
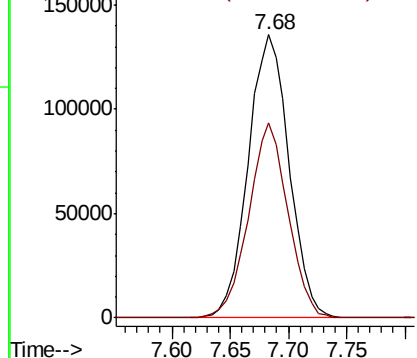


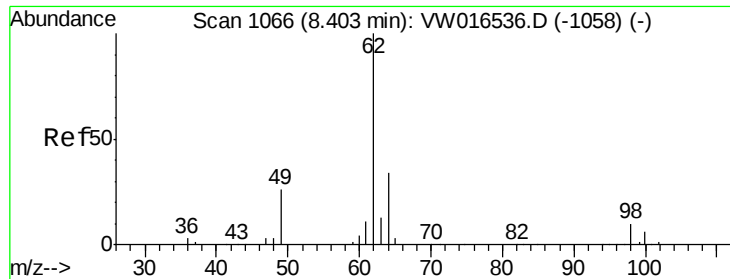
#25
Chloroform
Concen: 24.199 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion: 83 Resp: 330682
Ion Ratio Lower Upper
83 100
85 66.4 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV

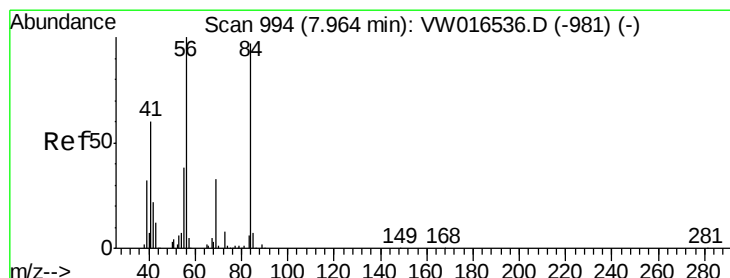
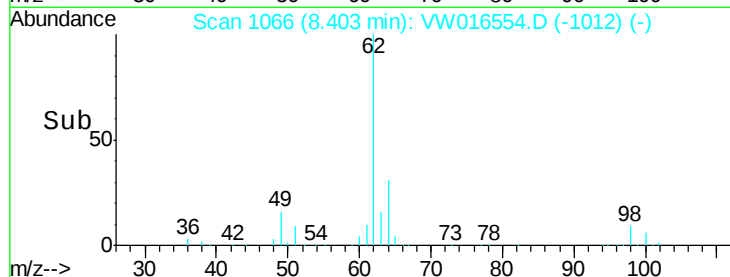
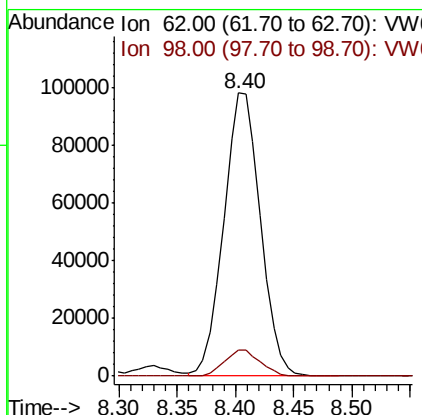
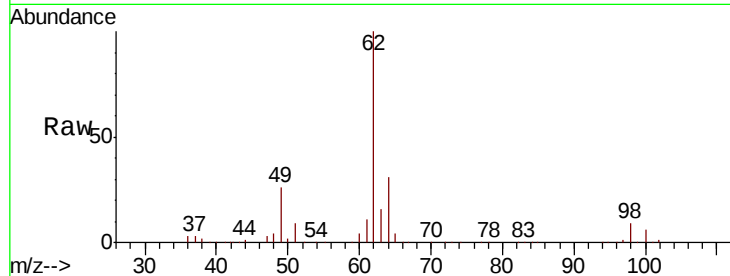




#27
 1,2-Dichloroethane
 Concen: 23.632 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW016554.D
 Acq: 11 Sep 2020 17:02

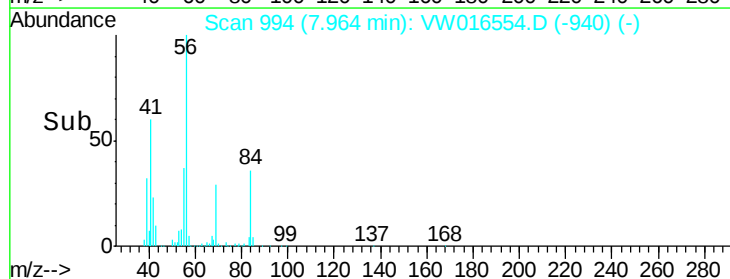
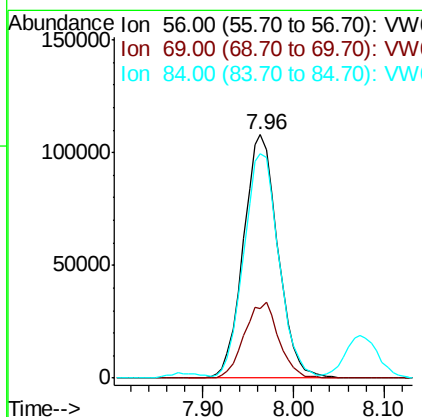
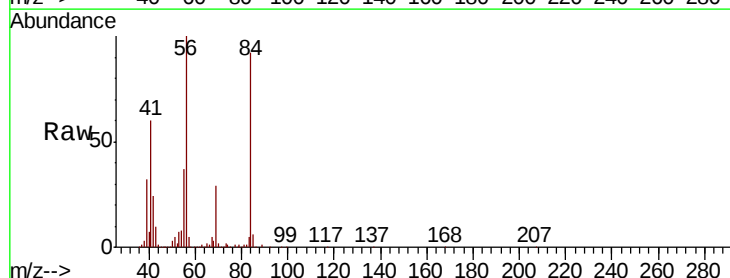
Instrument :
 MSVOA_W
 ClientSampled :

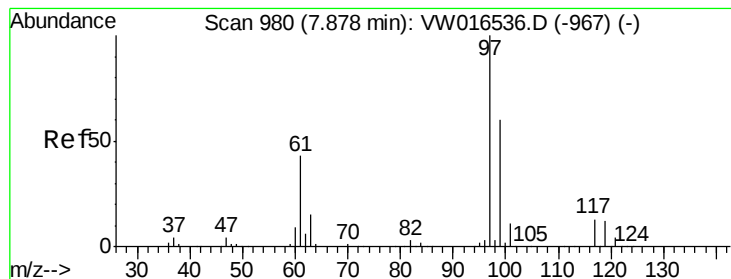
Tot Ion: 62 Resp: 215045
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.3 10.9



#30
 Cyclohexane
 Concen: 21.882 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VW016554.D
 Acq: 11 Sep 2020 17:02

Tgt Ion: 56 Resp: 283380
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.3 37.9
 84 94.3 71.6 107.4





#31

1,1,1-Trichloroethane

Concen: 25.551 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

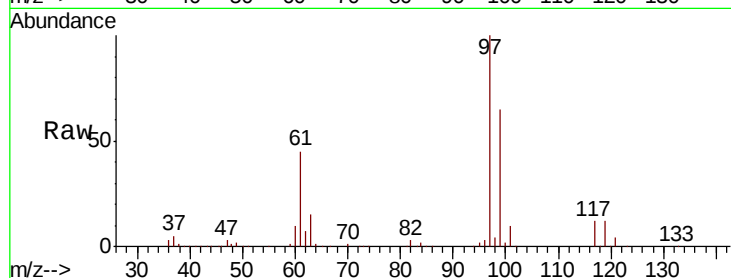
Tot Ion: 97 Resp: 299952

Ion Ratio Lower Upper

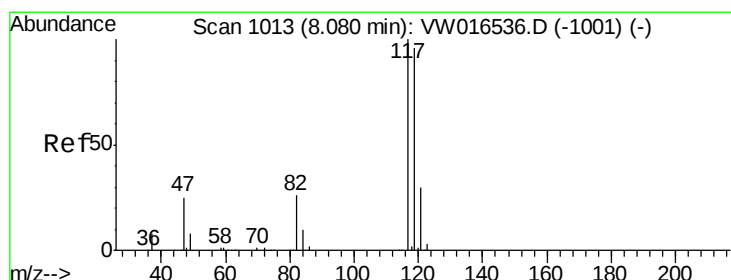
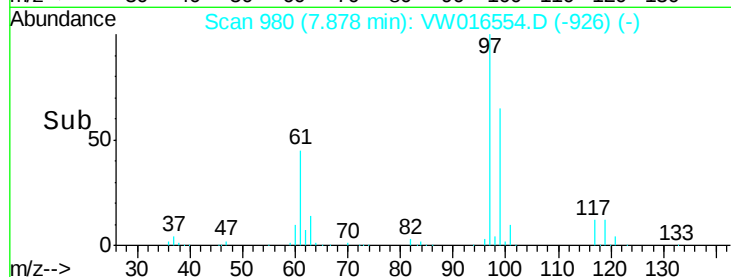
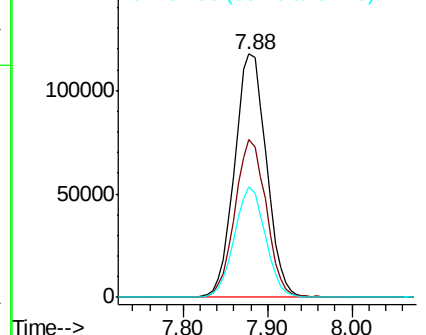
97 100

99 63.6 52.2 78.2

61 44.2 36.3 54.5



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: 24.709 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW016554.D

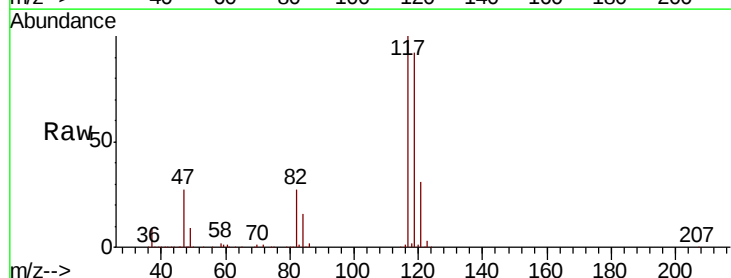
Acq: 11 Sep 2020 17:02

Tgt Ion: 117 Resp: 277440

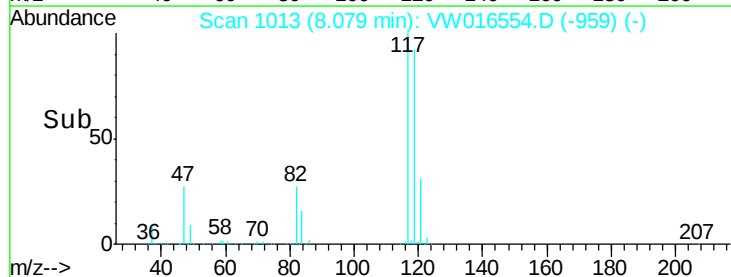
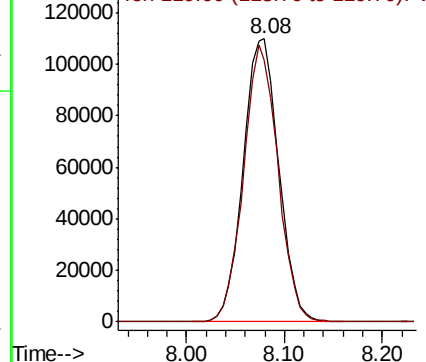
Ion Ratio Lower Upper

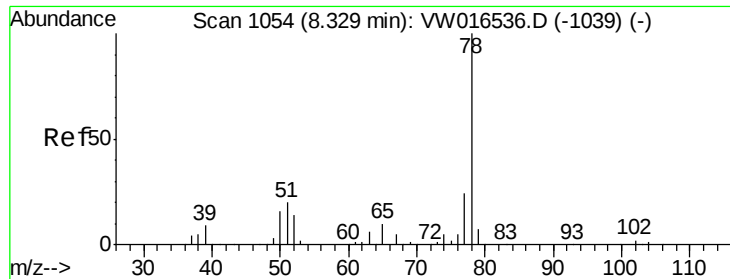
117 100

119 94.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 24.419 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016554.D

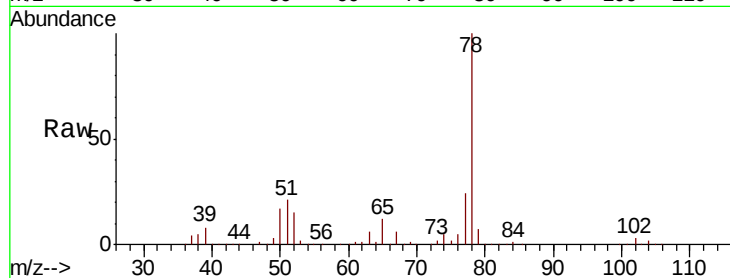
Acq: 11 Sep 2020 17:02

Instrument :

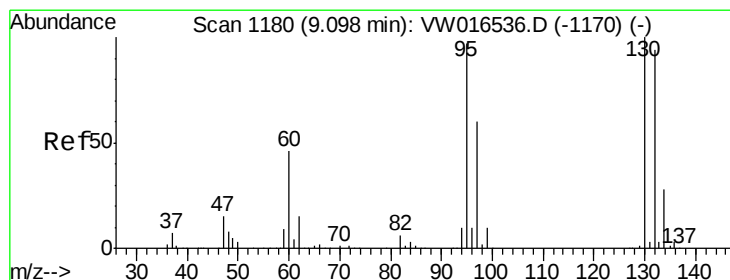
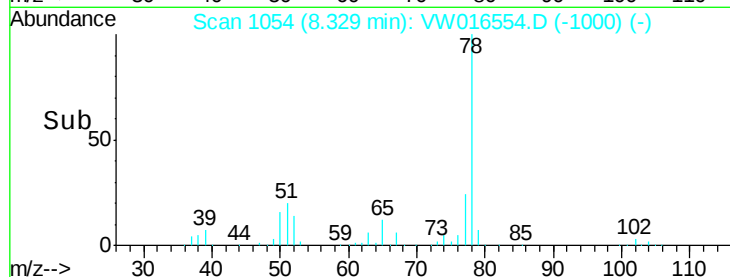
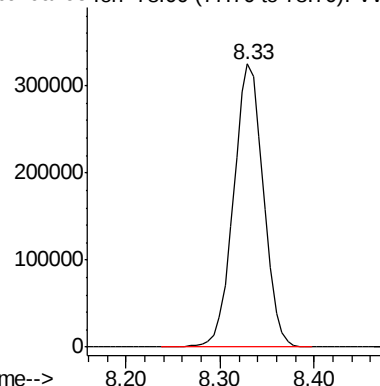
MSVOA_W

ClientSampled :

Tgt Ion: 78 Resp: 723808



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.095 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Tgt Ion: 95 Resp: 197898

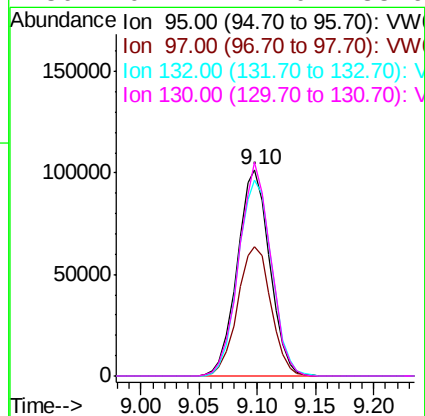
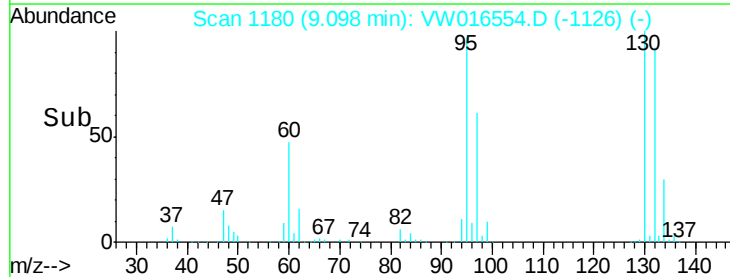
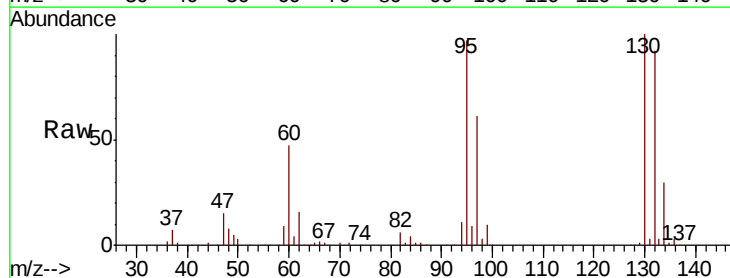
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.9	83.5
132	98.4	69.2	128.4
130	101.1	72.0	133.6

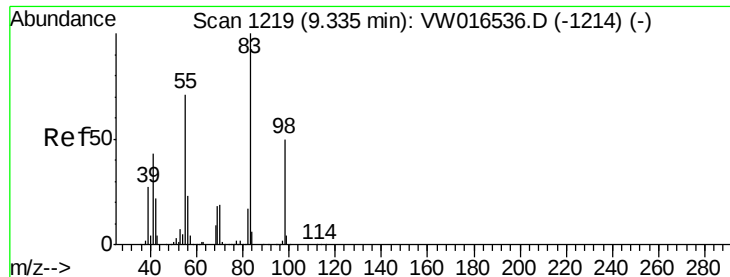
Abundance Ion 95.00 (94.70 to 95.70): VW

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

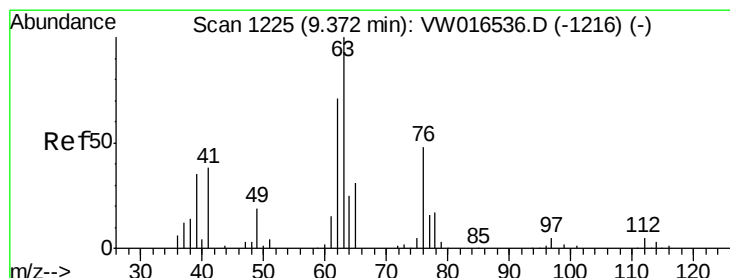
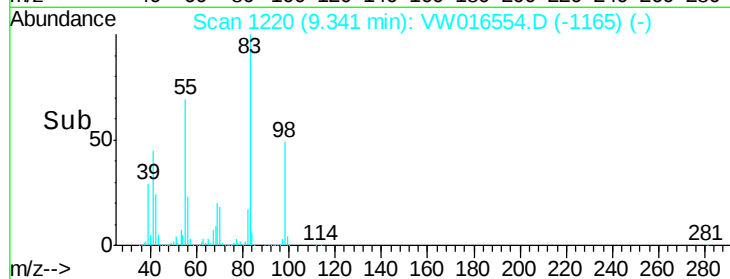
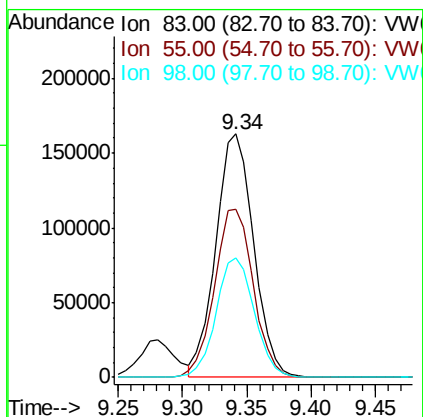
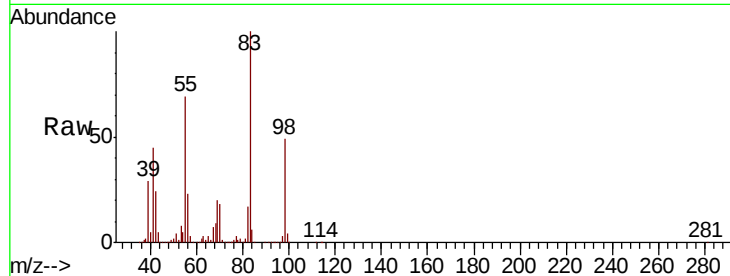




#36
Methylcyclohexane
Concen: 23.401 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

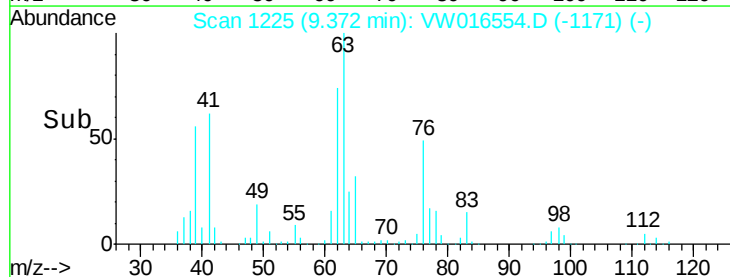
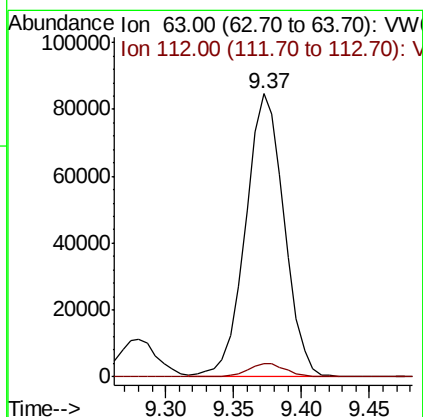
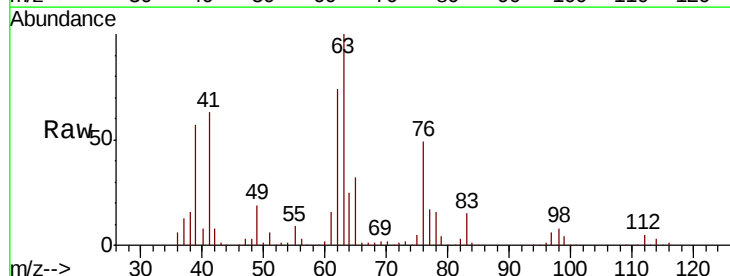
Instrument :
MSVOA_W
ClientSampled :

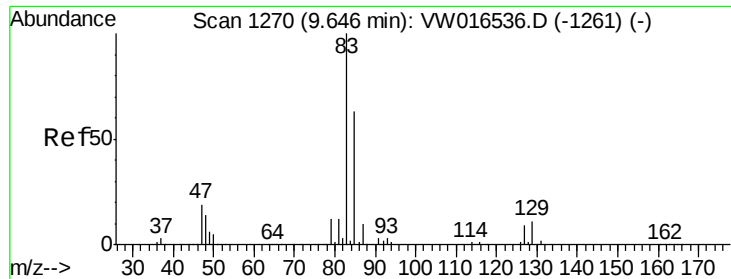
Tot Ion	83	Resp	336281
Ion Ratio	100	Lower	Upper
55	70.8	60.9	91.3
98	49.5	40.0	60.0



#40
1,2-Dichloropropane
Concen: 23.019 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion	63	Resp	168701
Ion Ratio	100	Lower	Upper
112	4.7	3.8	5.8





#41

Bromodichloromethane

Concen: 23.756 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

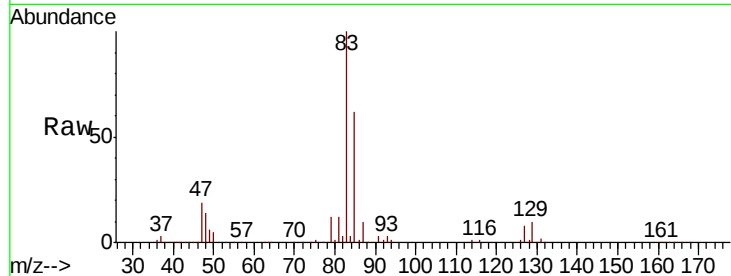
Tot Ion: 83 Resp: 243411

Ion Ratio Lower Upper

83 100

85 61.8 43.5 80.7

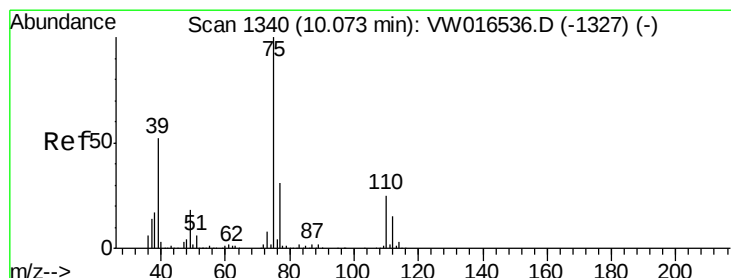
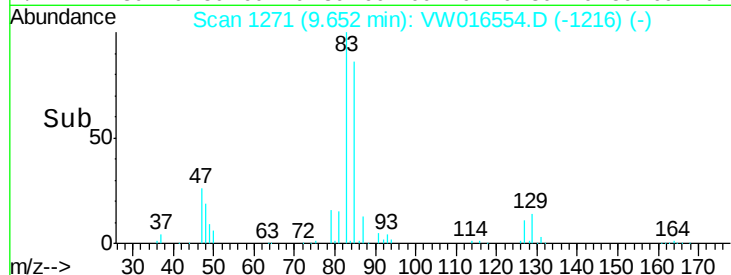
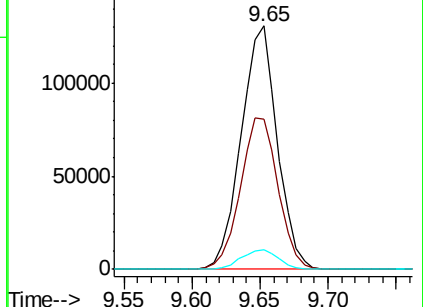
127 8.1 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 22.480 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016554.D

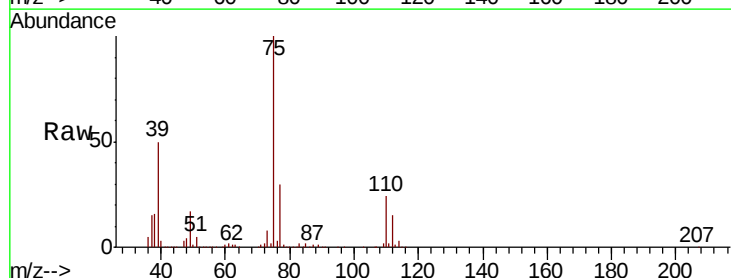
Acq: 11 Sep 2020 17:02

Tgt Ion: 75 Resp: 279581

Ion Ratio Lower Upper

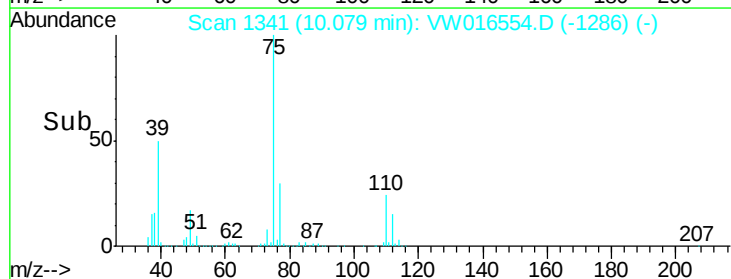
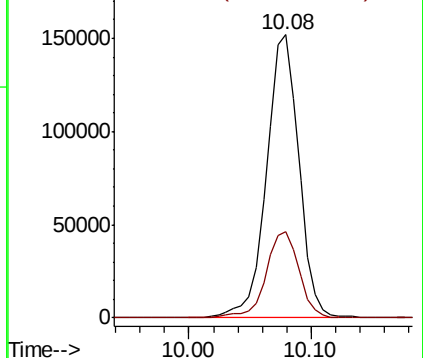
75 100

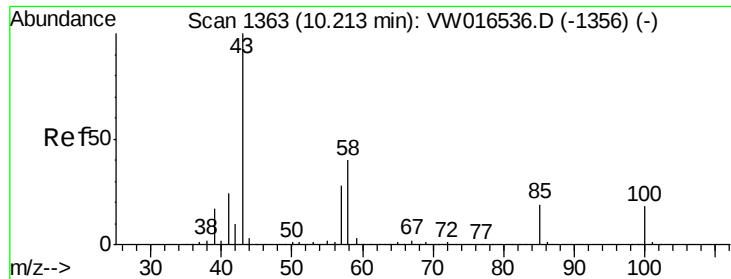
77 30.3 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

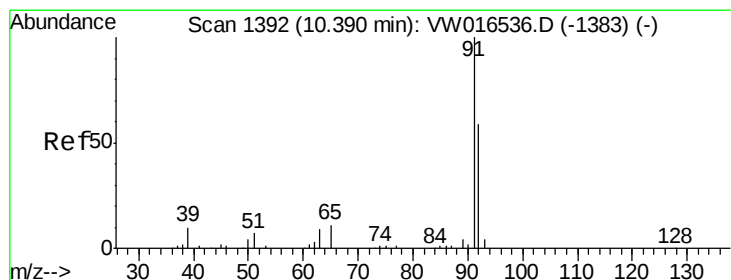
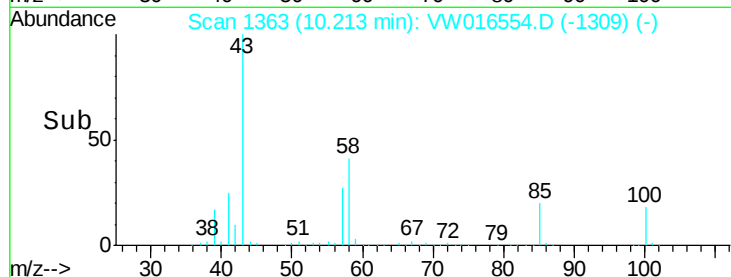
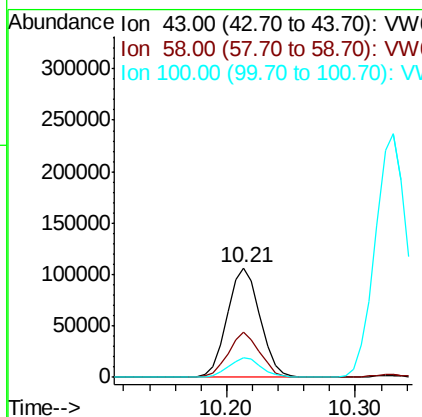
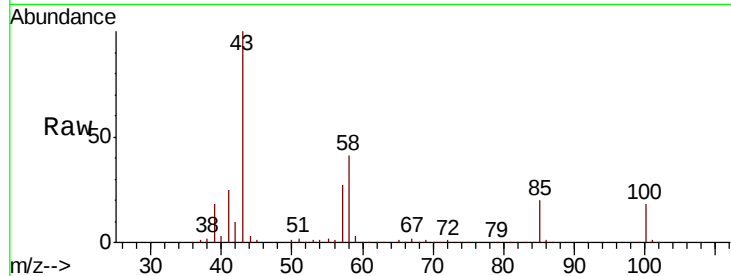




#43
4-Methyl-2-pentanone
Concen: 36.547 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

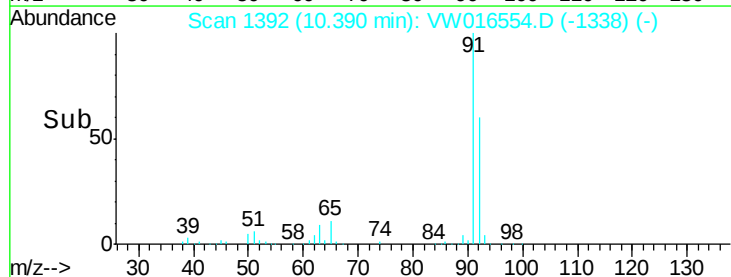
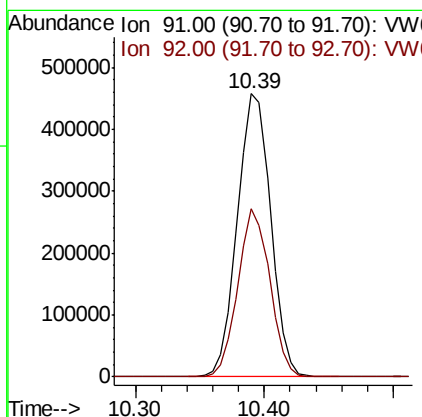
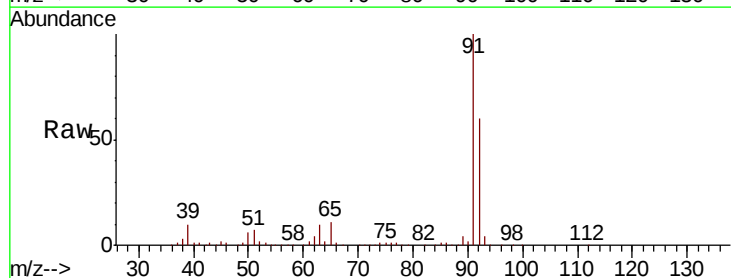
Instrument :
MSVOA_W
ClientSampleId :

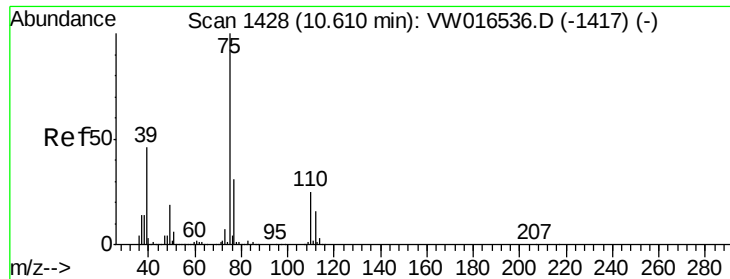
Tot Ion: 43 Resp: 189664
Ion Ratio Lower Upper
43 100
58 39.6 30.6 45.8
100 17.5 13.0 19.6



#44
Toluene
Concen: 24.742 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion: 91 Resp: 820674
Ion Ratio Lower Upper
91 100
92 59.6 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 22.333 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

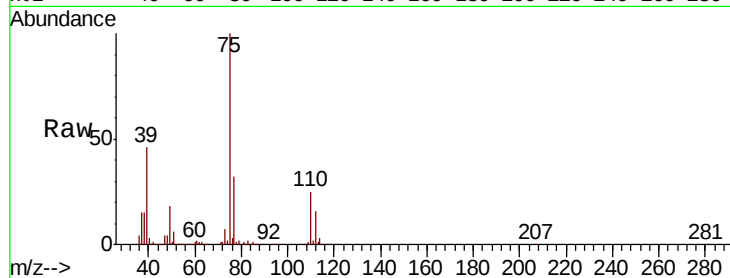
ClientSampleId :

Tot Ion: 75 Resp: 248270

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

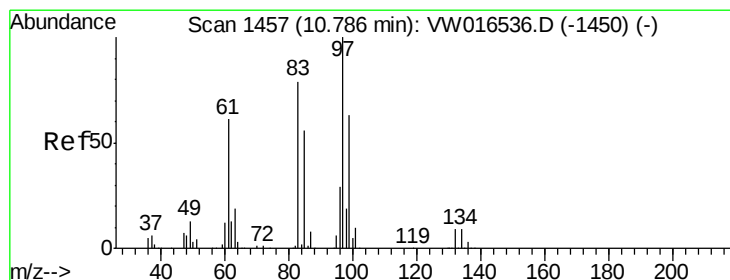
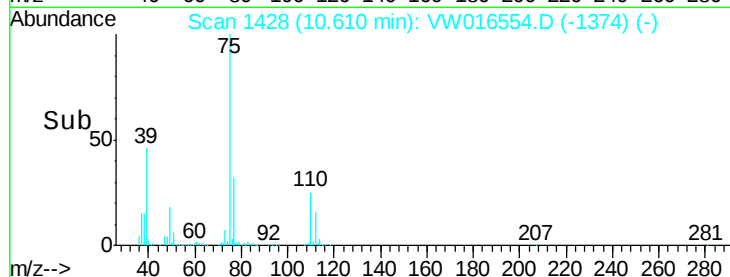
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#46

1,1,2-Trichloroethane

Concen: 22.246 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Tgt Ion: 97 Resp: 129215

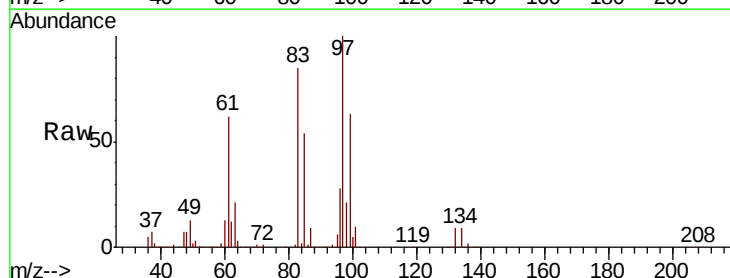
Ion Ratio Lower Upper

97 100

83 84.6 59.7 110.9

85 53.7 37.6 69.8

99 62.9 42.3 78.5



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

10.79

100000

80000

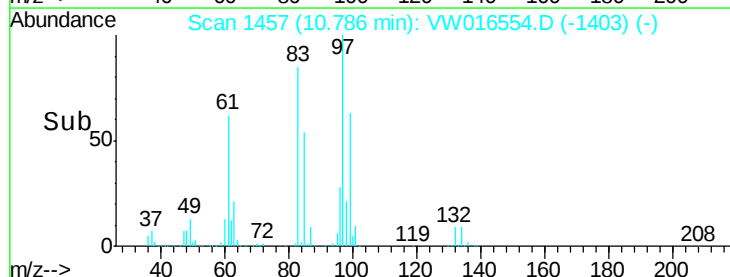
60000

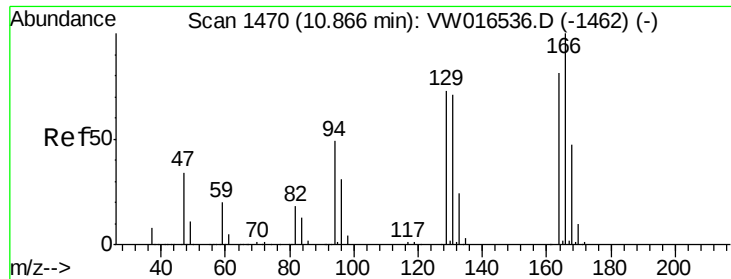
40000

20000

0

Time--> 10.70 10.75 10.80 10.85





#47

Tetrachloroethene

Concen: 22.755 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 149847

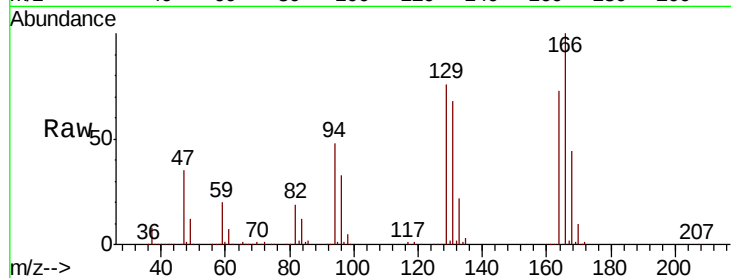
Ion Ratio Lower Upper

164 100

129 103.5 65.7 121.9

131 92.8 61.1 113.5

166 136.4 85.0 157.8

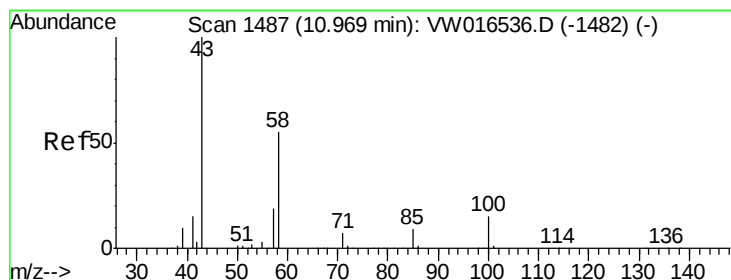
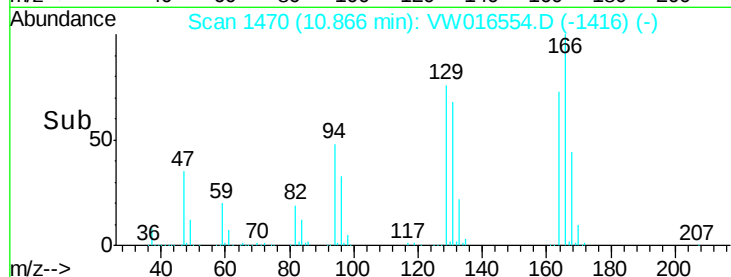
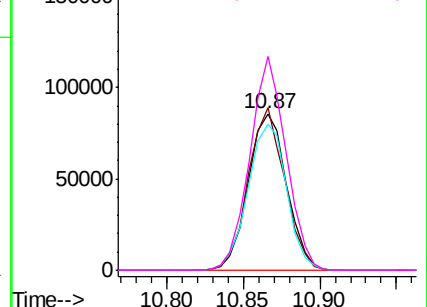


Abundance Ion 164.00 (163.70 to 164.70): V

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: 36.378 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Tgt Ion: 43 Resp: 131476

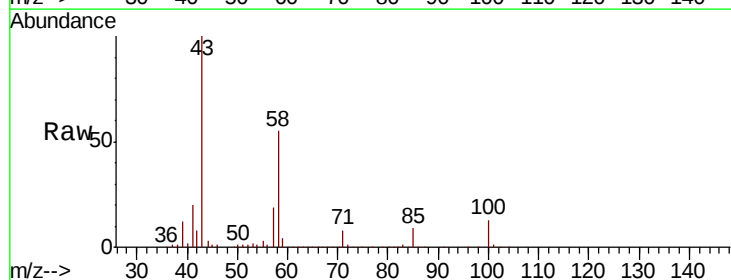
Ion Ratio Lower Upper

43 100

58 54.8 42.1 63.1

57 19.1 14.9 22.3

100 14.0 10.3 15.5

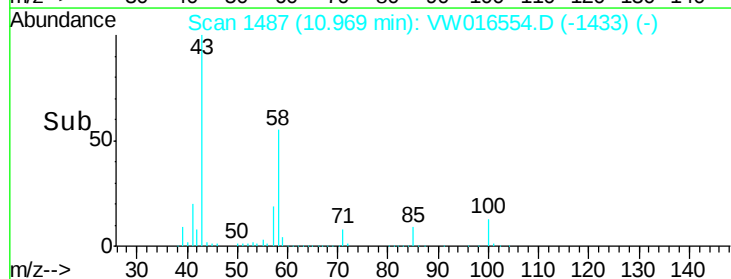
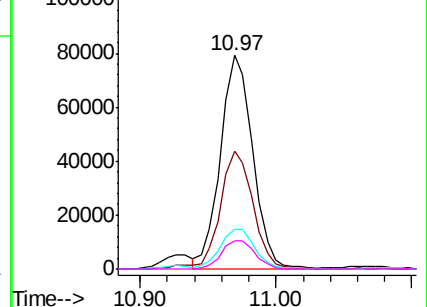


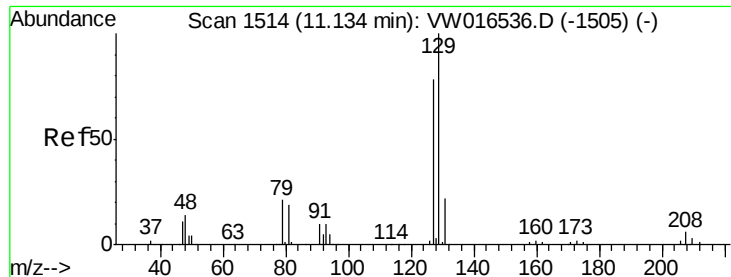
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

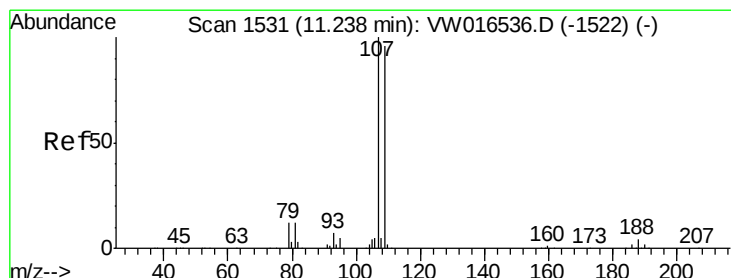
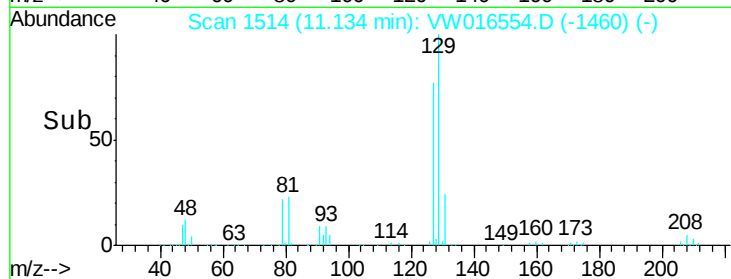
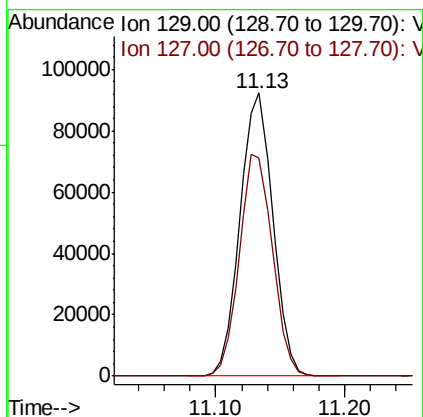
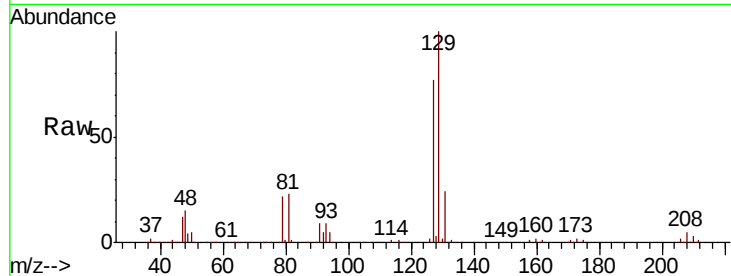




#50
Dibromochloromethane
Concen: 22.197 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

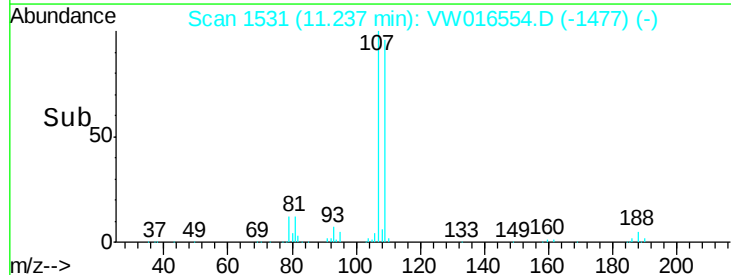
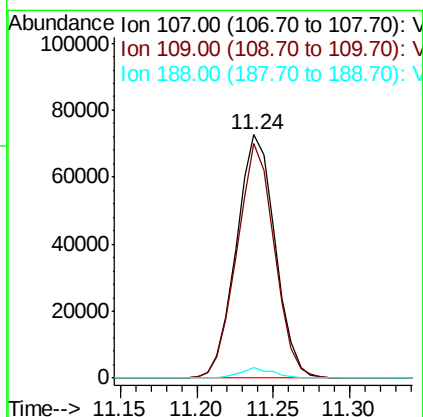
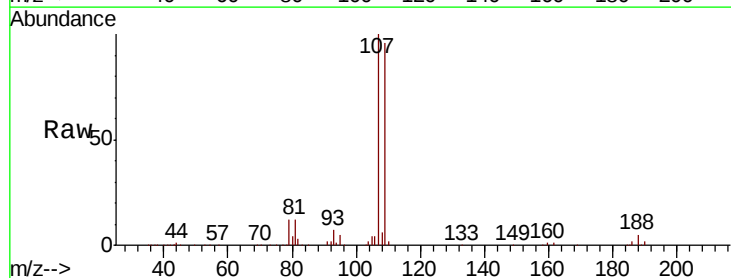
Instrument :
MSVOA_W
ClientSampleId :

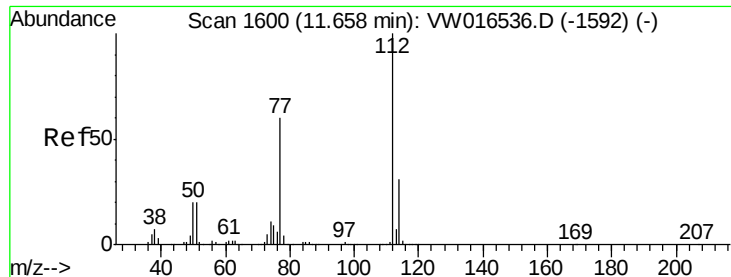
Tot Ion:129 Resp: 163033
Ion Ratio Lower Upper
129 100
127 77.3 55.4 103.0



#51
1,2-Dibromoethane
Concen: 22.024 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion:107 Resp: 127835
Ion Ratio Lower Upper
107 100
109 96.1 64.8 120.4
188 4.7 3.4 5.0

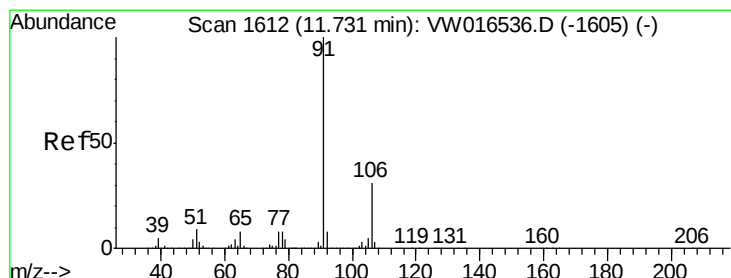
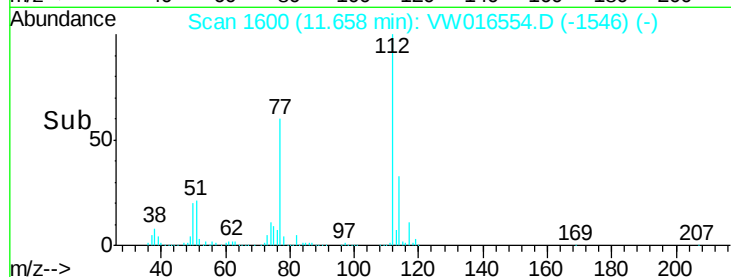
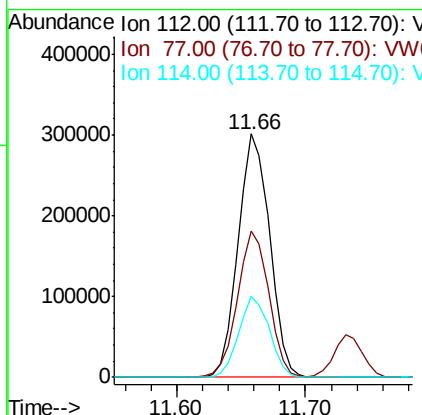
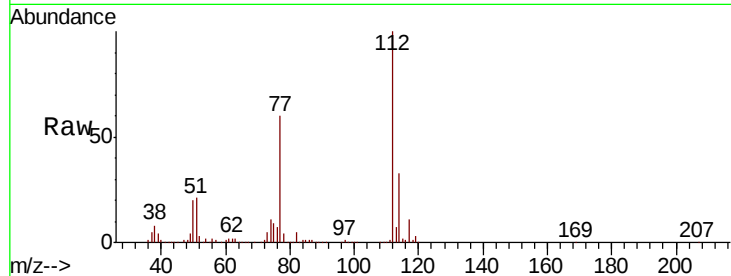




#52
Chlorobenzene
Concen: 24.254 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

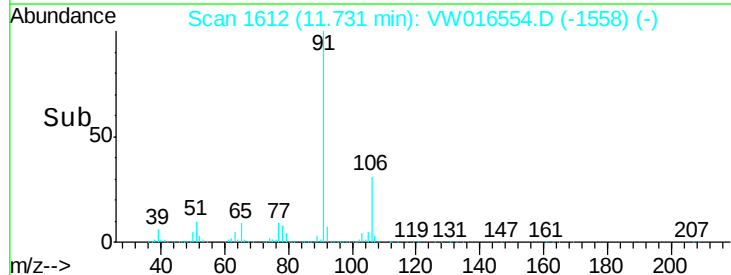
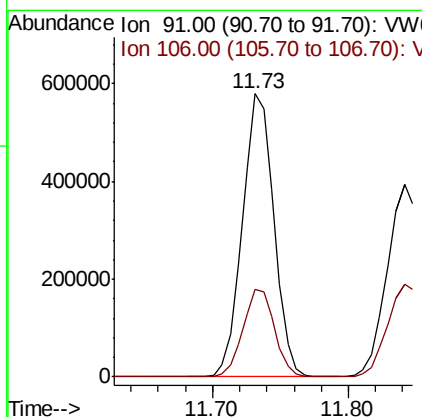
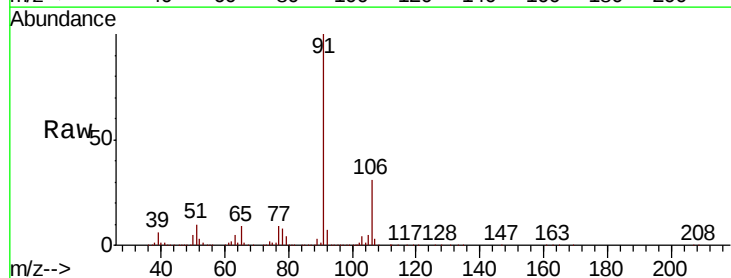
Instrument :
MSVOA_W
ClientSampleId :

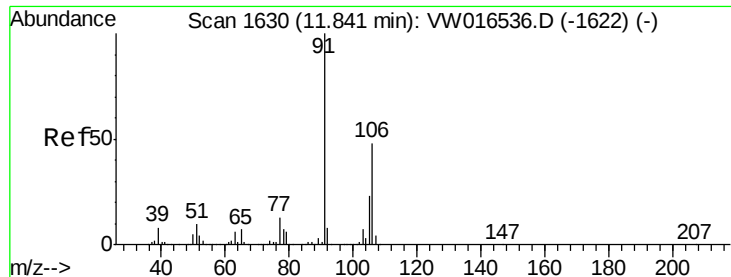
Tot Ion:112 Resp: 510322
Ion Ratio Lower Upper
112 100
77 59.9 46.2 69.2
114 33.3 21.1 39.3



#53
Ethylbenzene
Concen: 25.115 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion: 91 Resp: 938309
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.2





#54

m,p-Xylene

Concen: 24.974 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

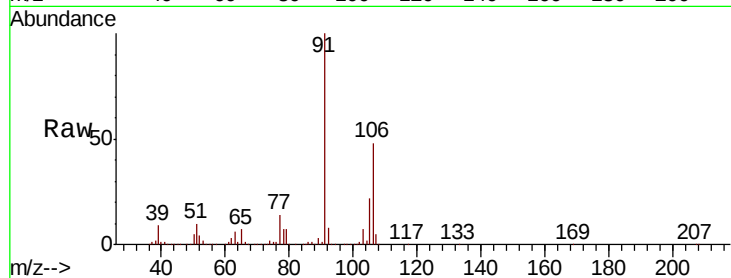
ClientSampled :

Tot Ion:106 Resp: 356594

Ion Ratio Lower Upper

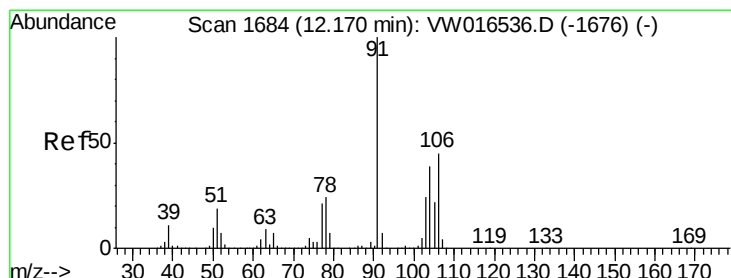
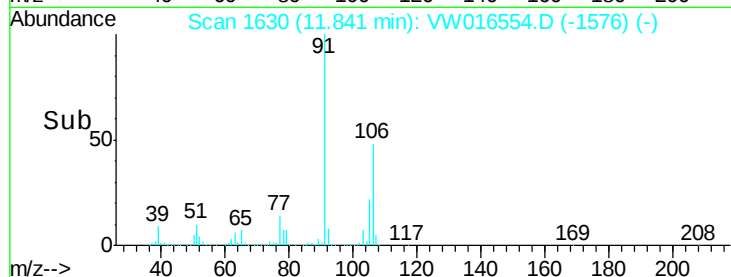
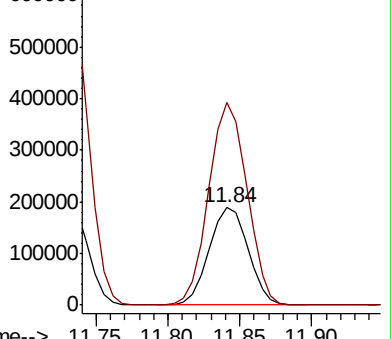
106 100

91 207.9 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 25.269 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016554.D

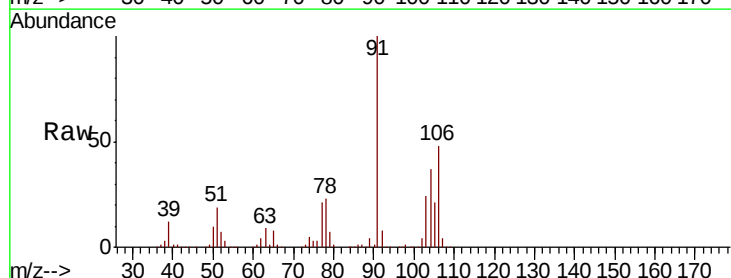
Acq: 11 Sep 2020 17:02

Tgt Ion:106 Resp: 343700

Ion Ratio Lower Upper

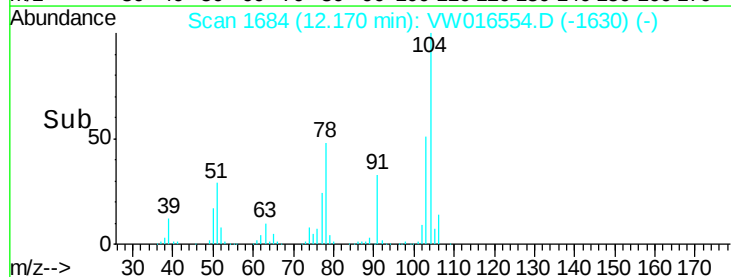
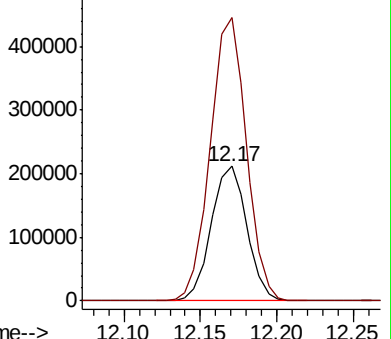
106 100

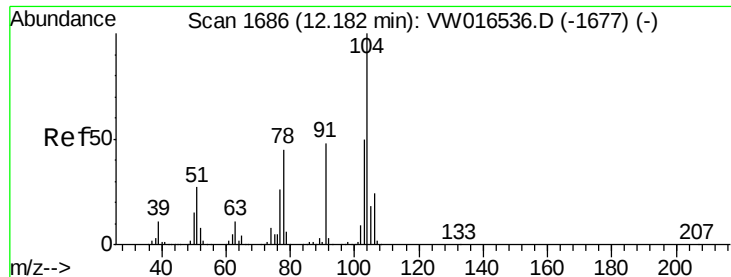
91 210.3 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 25.023 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

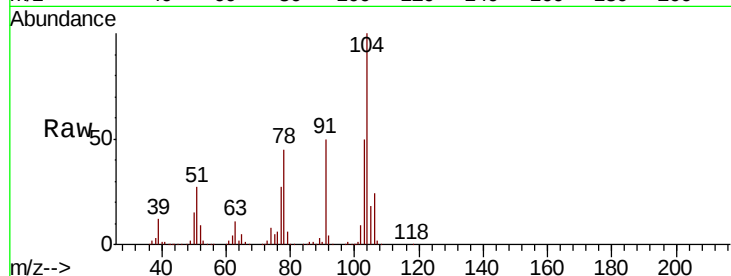
ClientSampled :

Tot Ion:104 Resp: 584795

Ion Ratio Lower Upper

104 100

78 45.4 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.18

400000

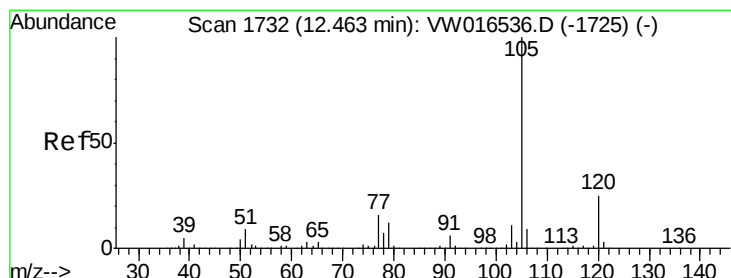
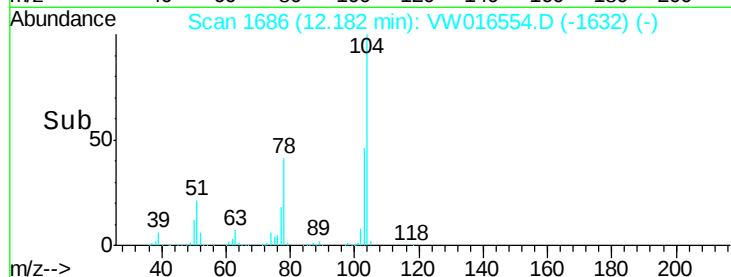
300000

200000

100000

0

Time-->



#57

Isopropylbenzene

Concen: 25.635 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

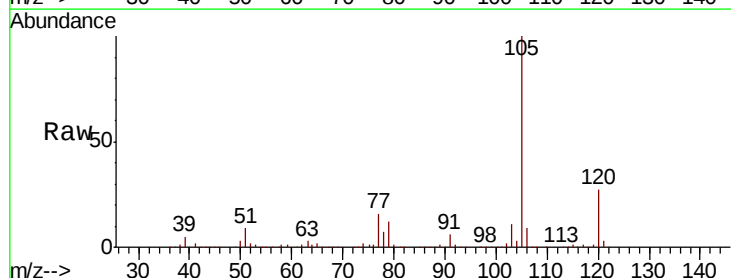
Tgt Ion:105 Resp: 955147

Ion Ratio Lower Upper

105 100

120 26.7 21.9 32.9

77 16.1 13.0 19.6



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

12.47

800000

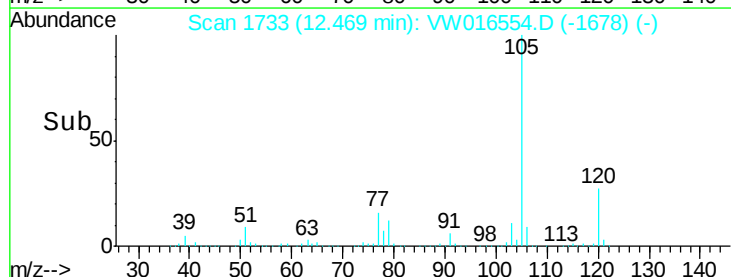
600000

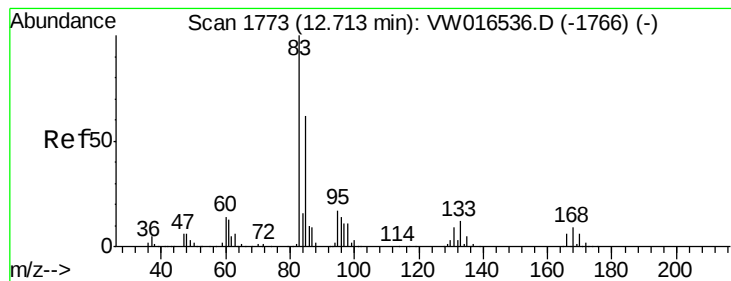
400000

200000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 22.302 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampleId :

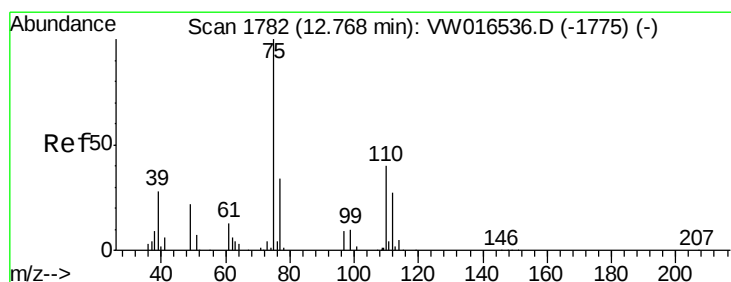
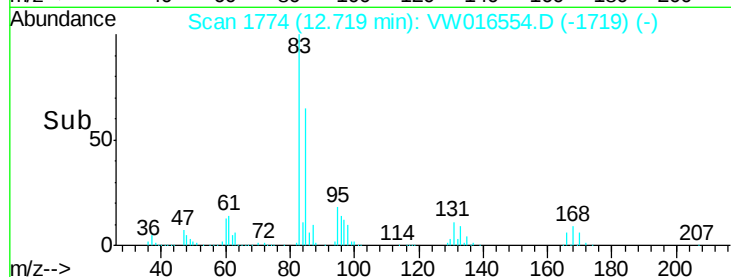
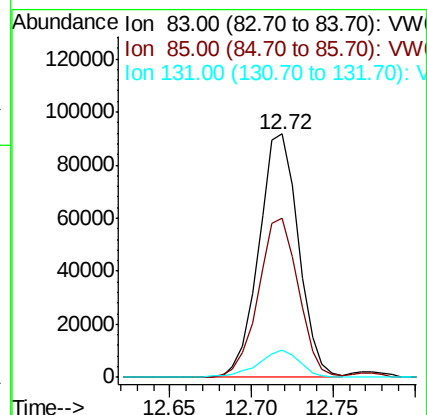
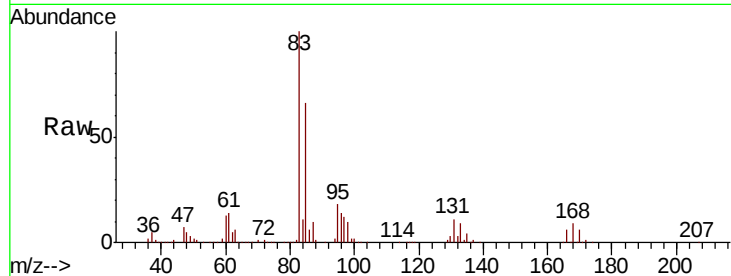
Tot Ion: 83 Resp: 154430

Ion Ratio Lower Upper

83 100

85 65.5 45.3 84.1

131 11.1 8.7 13.1



#59

1,2,3-Trichloropropane

Concen: 21.103 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016554.D

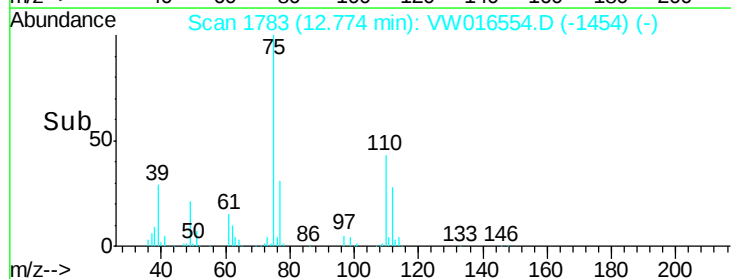
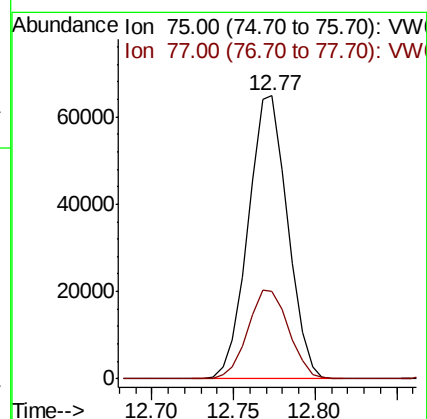
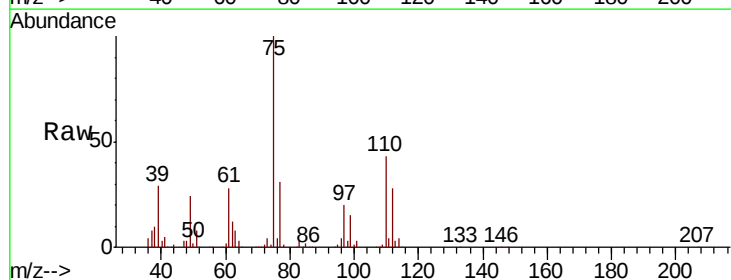
Acq: 11 Sep 2020 17:02

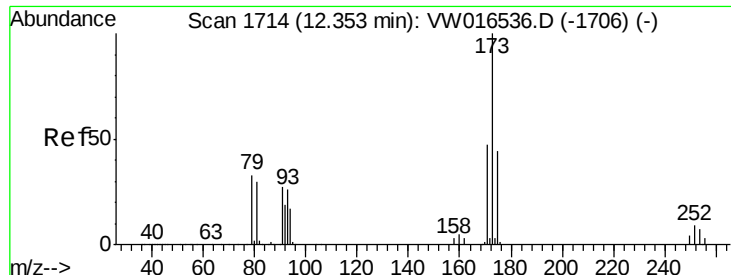
Tgt Ion: 75 Resp: 109215

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

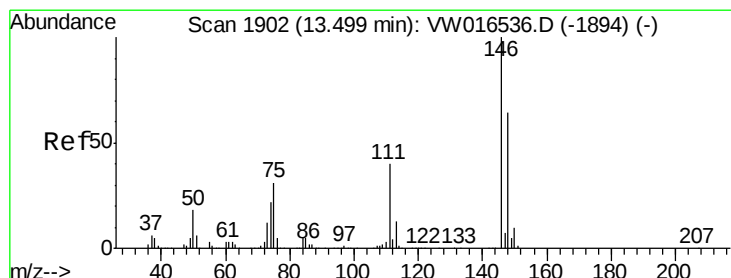
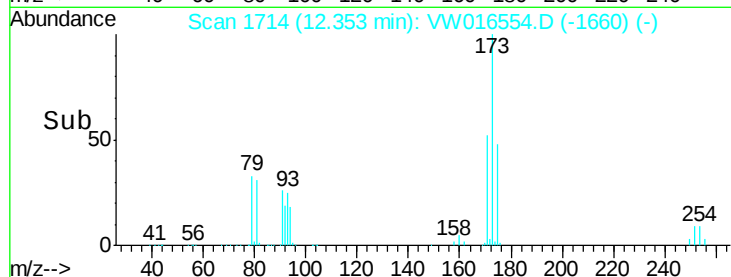
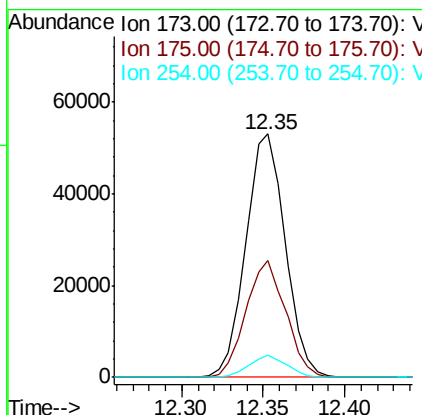
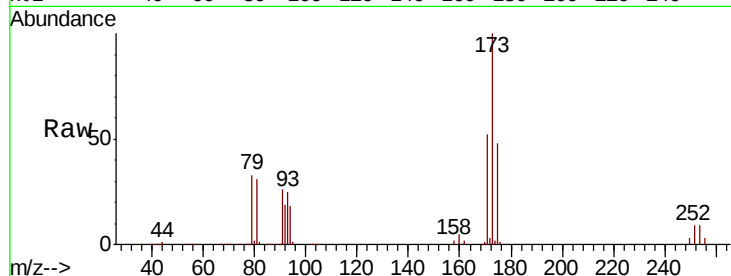




#62
Bromoform
Concen: 20.418 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

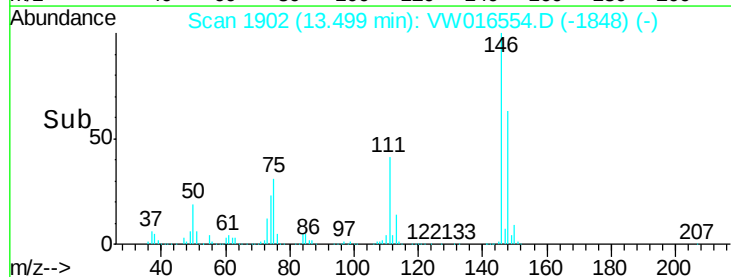
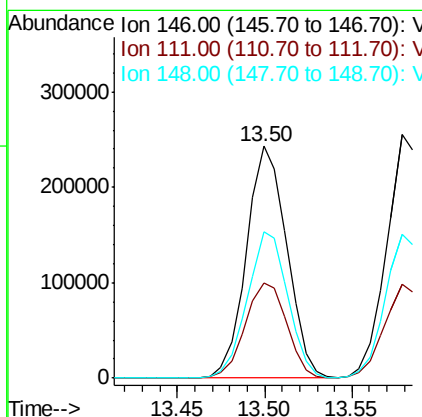
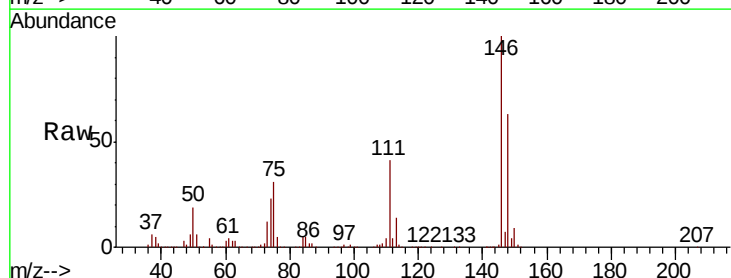
Instrument :
MSVOA_W
ClientSampleId :

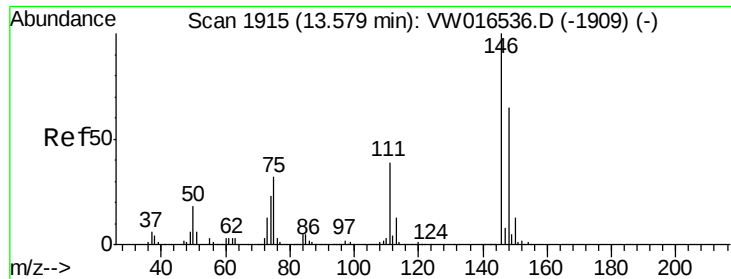
Tot Ion:173 Resp: 89511
Ion Ratio Lower Upper
173 100
175 48.4 39.2 58.8
254 8.6 5.8 8.6



#63
1,3-Dichlorobenzene
Concen: 23.704 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW016554.D
Acq: 11 Sep 2020 17:02

Tgt Ion:146 Resp: 389887
Ion Ratio Lower Upper
146 100
111 41.0 26.5 49.3
148 62.9 41.3 76.7





#64

1,4-Dichlorobenzene

Concen: 23.993 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Instrument :

MSVOA_W

ClientSampled :

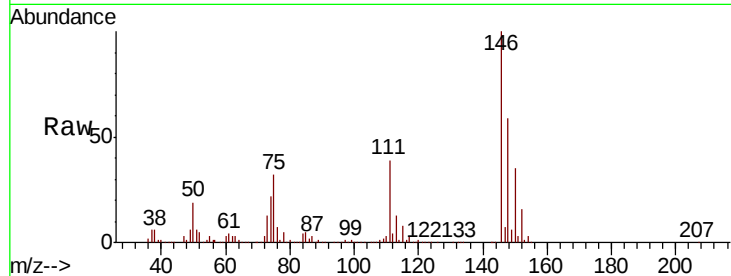
Tot Ion:146 Resp: 391303

Ion Ratio Lower Upper

146 100

111 38.5 26.4 49.0

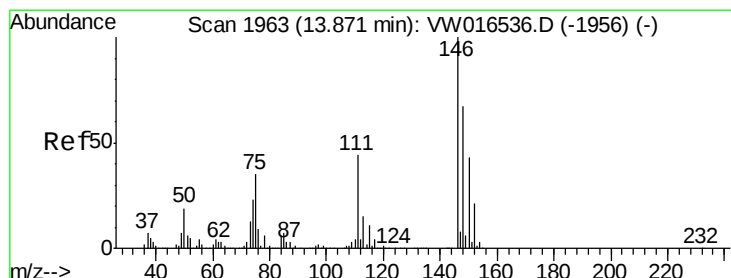
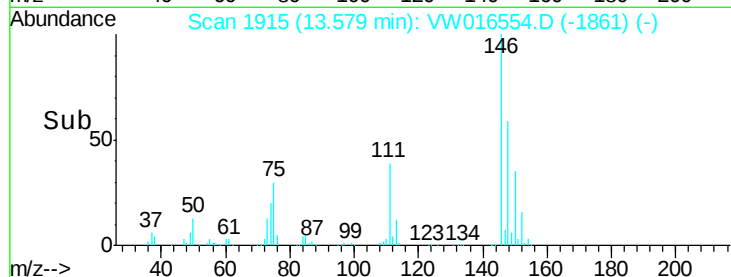
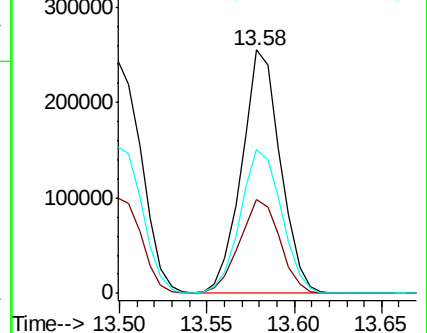
148 59.2 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 24.251 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

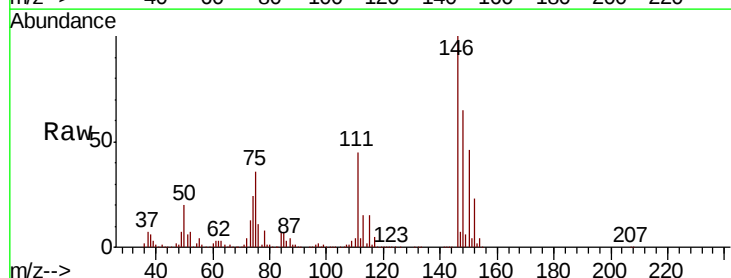
Tgt Ion:146 Resp: 354551

Ion Ratio Lower Upper

146 100

111 45.0 35.3 52.9

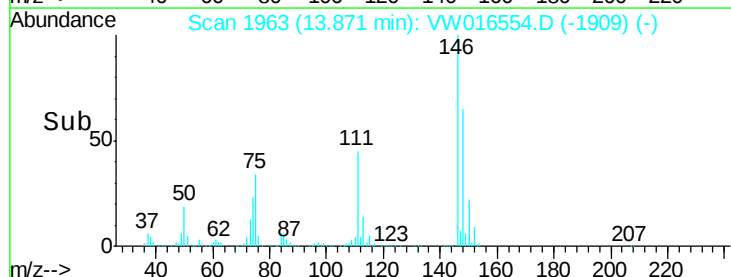
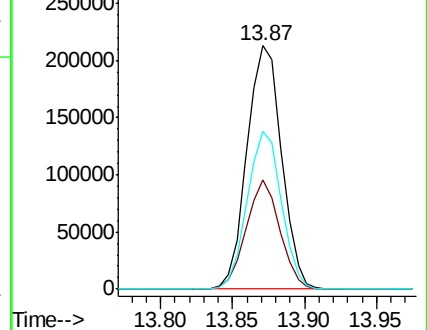
148 65.0 49.8 74.8

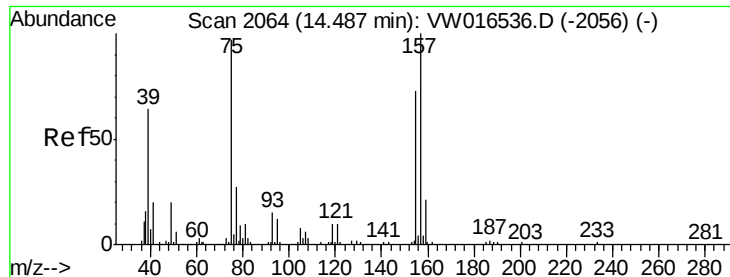


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 19.124 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

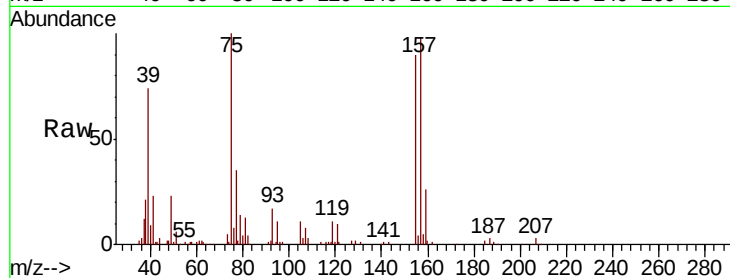
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 26035

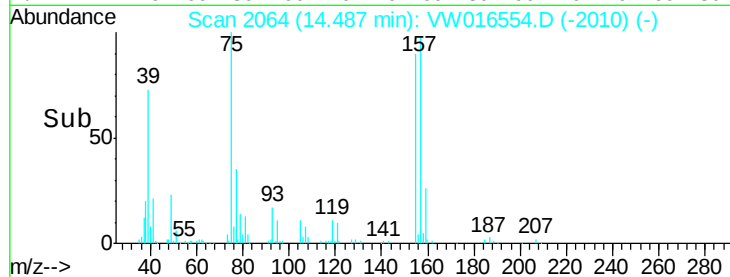
Ion	Ratio	Lower	Upper
75	100		
157	98.2	91.4	137.0
155	89.6	71.3	106.9



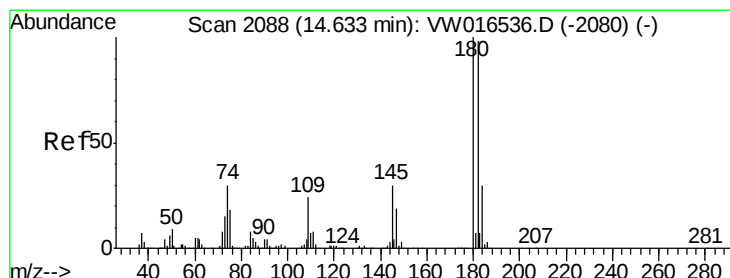
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



Time-->



#67

1,3,5-Trichlorobenzene

Concen: 23.230 ug/L

RT: 14.63 min Scan# 2087

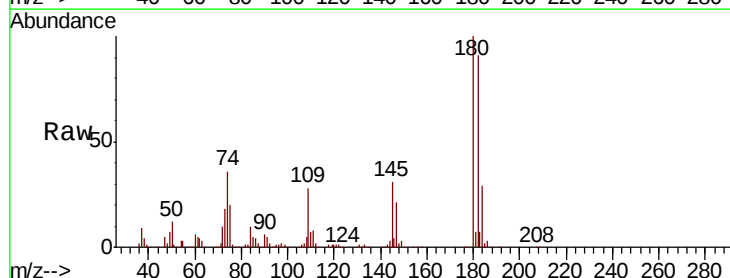
Delta R.T. -0.01 min

Lab File: VW016554.D

Acq: 11 Sep 2020 17:02

Tgt Ion: 180 Resp: 263357

Ion	Ratio	Lower	Upper
180	100		
182	90.4	75.8	113.8
184	28.8	24.2	36.2
145	30.6	24.6	36.8

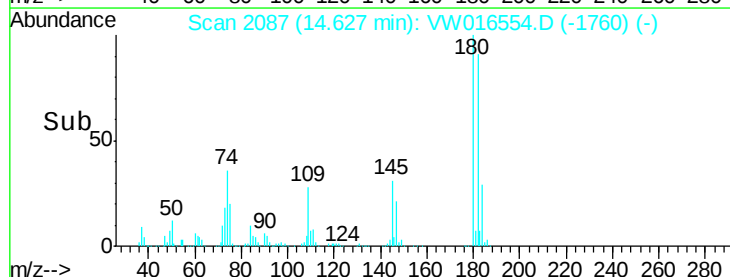


Abundance Ion 180.00 (179.70 to 180.70): V

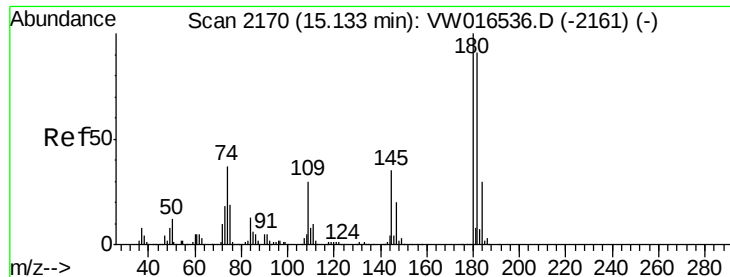
Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



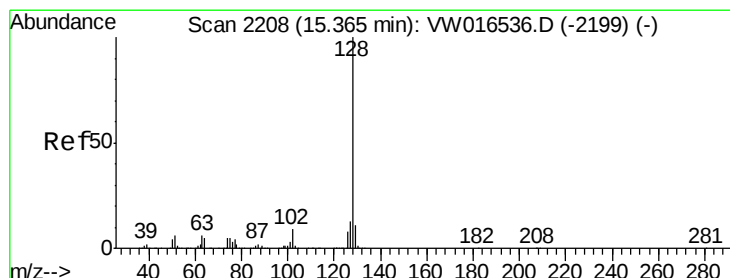
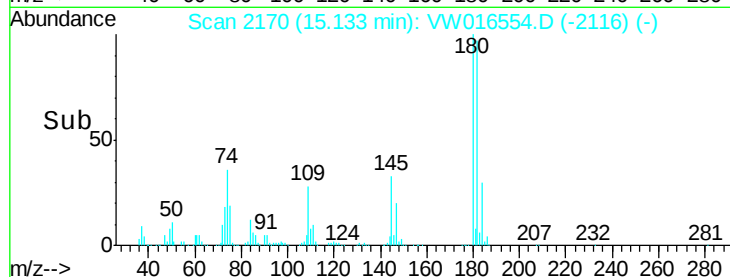
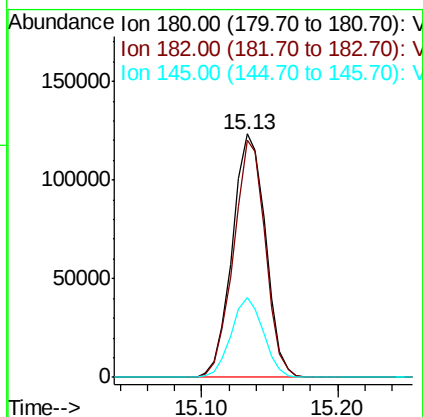
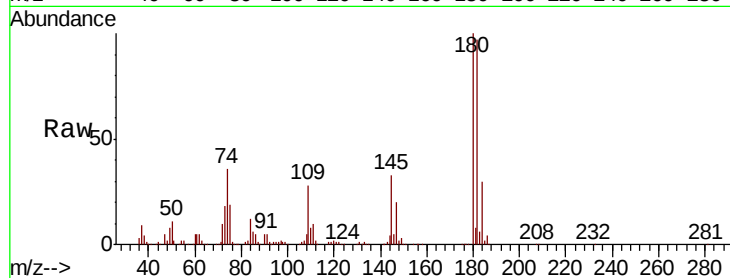
Time-->



#68
 1,2,4-trichlorobenzene
 Concen: 21.370 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016554.D
 Acq: 11 Sep 2020 17:02

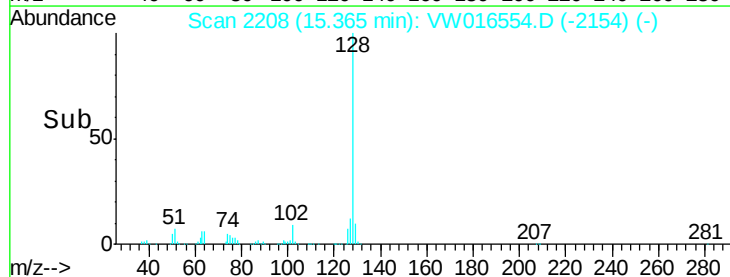
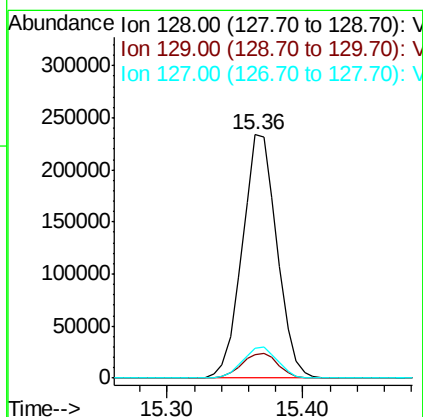
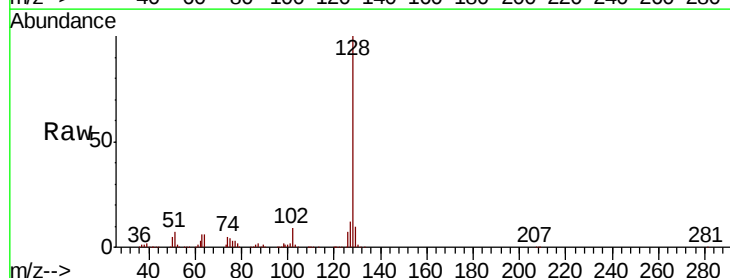
Instrument :
 MSVOA_W
 ClientSampleId :

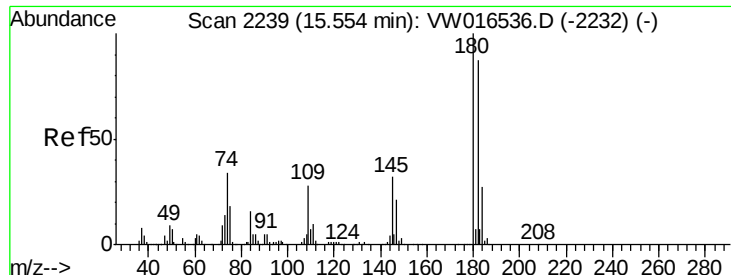
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	78.5	117.7
145	31.9	25.6	38.4



#69
 Naphthalene
 Concen: 20.184 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW016554.D
 Acq: 11 Sep 2020 17:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.5	15.7





#70
 1,2,3-Trichlorobenzene
 Concen: 20.972 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW016554.D
 Acq: 11 Sep 2020 17:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	176566
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.1	114.1
145	33.9	28.1	42.1

