

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\
 Data File : VW014051.D
 Acq On : 15 Nov 2019 19:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 16 04:10:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 16 04:05:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	308346	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305842	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	183485	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118975	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.72%
7) Chloroethane-d5	2.89	69	96575	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
10) 1,1-Dichloroethene-d2	4.03	63	238679	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.56%
20) 2-Butanone-d5	7.07	46	76218	53.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.66%
24) Chloroform-d	7.65	84	247073	26.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.24%
26) 1,2-Dichloroethane-d4	8.30	65	127109	26.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.68%
29) Benzene-d6	8.27	84	517754	23.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.44%
33) 1,2-Dichloropropane-d6	9.27	67	154846	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	481286	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.56%
38) trans-1,3-Dichloropropene-	10.57	79	66749	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.08%
39) 2-Hexanone-d5	10.92	63	63491	52.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128576	26.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	175168	23.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	76457	20.850	ug/L 98
3) Chloromethane	2.21	50	68309	20.972	ug/L 96
5) Vinyl chloride	2.36	62	127618	25.093	ug/L 97
6) Bromomethane	2.78	94	78838	25.038	ug/L 98
8) Chloroethane	2.92	64	75007	24.794	ug/L 99
9) Trichlorofluoromethane	3.25	101	67844	19.563	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	130218	25.430	ug/L 99
12) 1,1-Dichloroethene	4.04	96	128302	24.648	ug/L 94
13) Acetone	4.12	43	45677	31.408	ug/L 100
14) Carbon disulfide	4.39	76	359538	24.268	ug/L 100
15) Methyl Acetate	4.67	43	61625	26.189	ug/L 99
16) Methylene chloride	4.92	84	137515	23.166	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	170015	25.318	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	135050	24.880	ug/L 94
19) 1,1-Dichloroethane	6.21	63	239843	26.232	ug/L 98
21) 2-Butanone	7.17	43	81140	43.427	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	149033	26.091	ug/L 99

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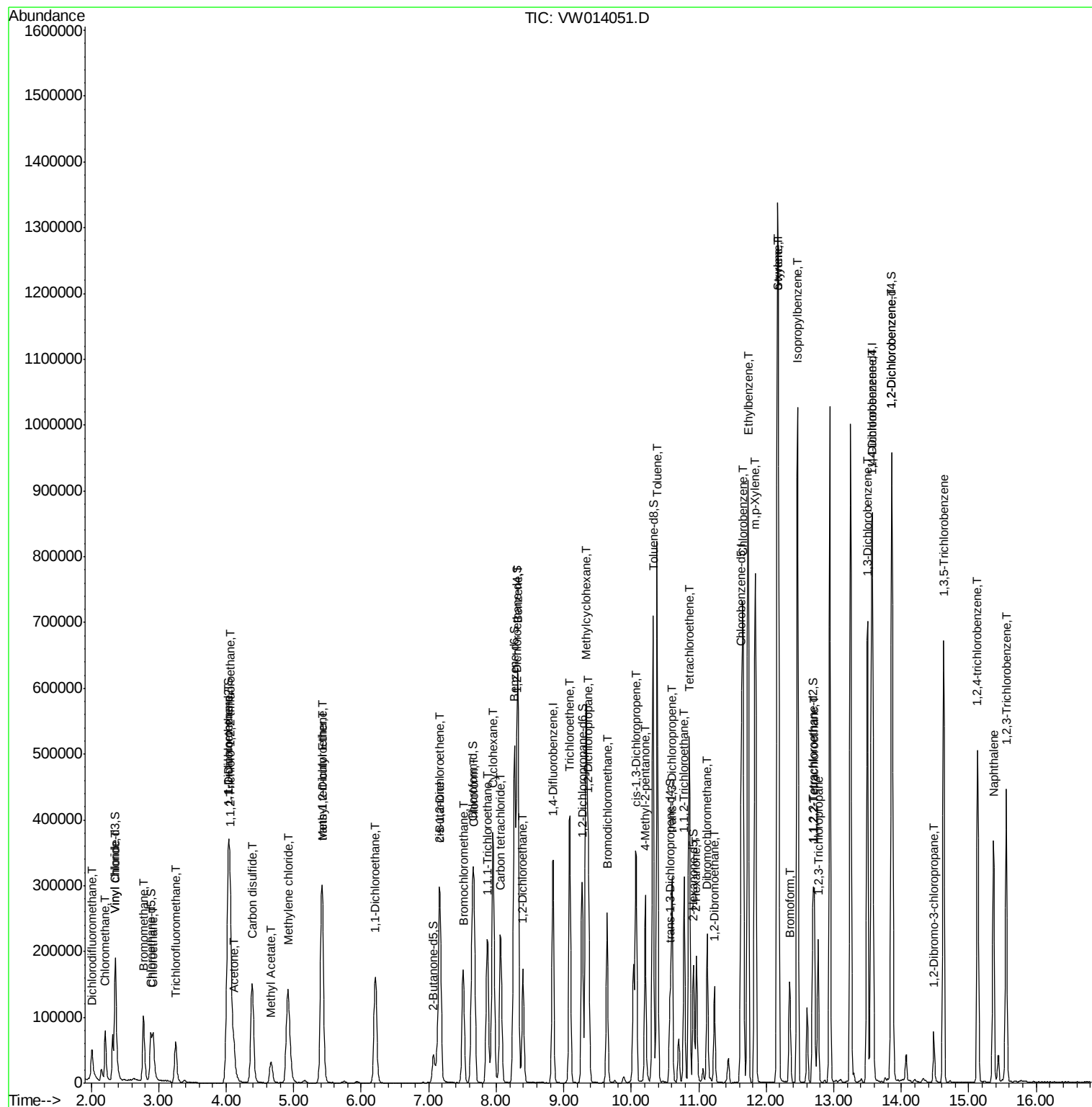
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65887	26.277	ug/L	87
25) Chloroform	7.67	83	244609	27.243	ug/L	100
27) 1,2-Dichloroethane	8.40	62	153260	28.193	ug/L	95
30) Cyclohexane	7.95	56	227152	23.208	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	185397	24.188	ug/L	98
32) Carbon tetrachloride	8.06	117	182790	24.843	ug/L	99
34) Benzene	8.32	78	558675	24.904	ug/L	100
35) Trichloroethene	9.09	95	144277	24.110	ug/L	99
36) Methylcyclohexane	9.33	83	249453	23.249	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136672	25.308	ug/L	100
41) Bromodichloromethane	9.64	83	172819	26.471	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	213756	25.082	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	181234	50.828	ug/L	99
44) Toluene	10.38	91	609131	24.904	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171582	25.460	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103105	25.984	ug/L	97
47) Tetrachloroethene	10.86	164	129664	24.310	ug/L	98
49) 2-Hexanone	10.96	43	122147	47.516	ug/L	98
50) Dibromochloromethane	11.13	129	125448	26.897	ug/L	100
51) 1,2-Dibromoethane	11.23	107	100337	26.062	ug/L	100
52) Chlorobenzene	11.65	112	388613	25.344	ug/L	96
53) Ethylbenzene	11.73	91	668252	24.898	ug/L	97
54) m,p-Xylene	11.84	106	261687	25.088	ug/L	99
55) o-xylene	12.16	106	248677	25.460	ug/L	97
56) Styrene	12.18	104	430318	26.080	ug/L	99
57) Isopropylbenzene	12.46	105	670182	24.955	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	124334	26.839	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	91950	26.391	ug/L	100
62) Bromoform	12.35	173	77210	25.677	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	308169	23.920	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	304621	23.931	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	285860	25.056	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	18845	24.255	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	235827	24.018	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	183906	23.821	ug/L	99
69) Naphthalene	15.36	128	325427	23.727	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	167645	24.605	ug/L	99

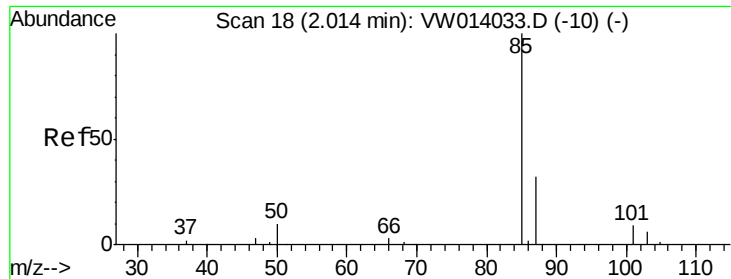
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.850 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

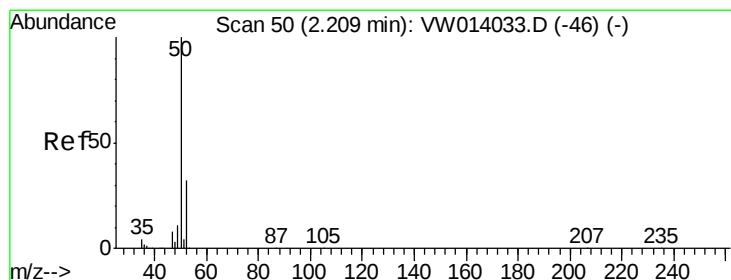
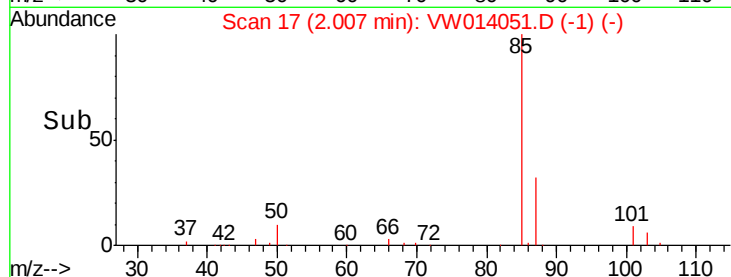
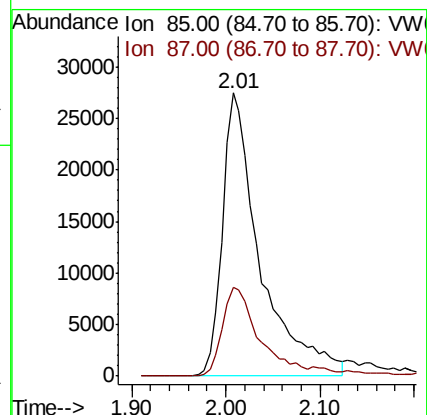
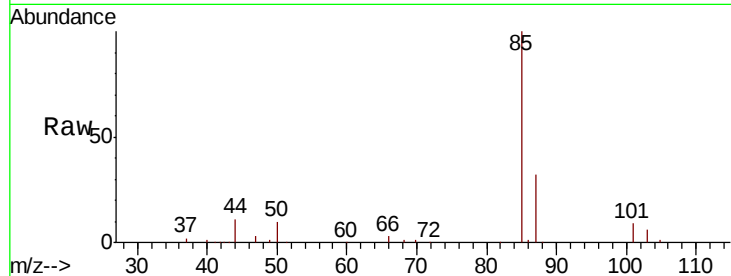
ClientSampled :

Tot Ion: 85 Resp: 76457

Ion Ratio Lower Upper

85 100

87 30.5 22.1 41.1



#3

Chloromethane

Concen: 20.972 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014051.D

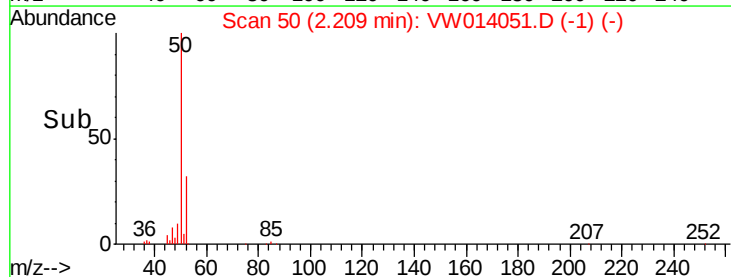
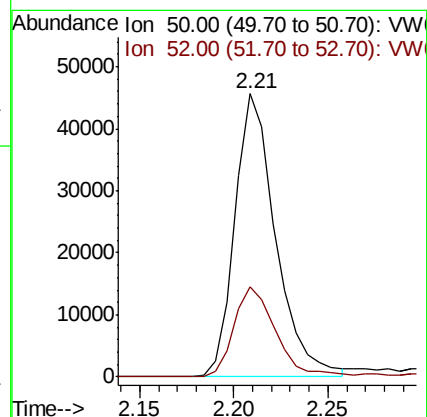
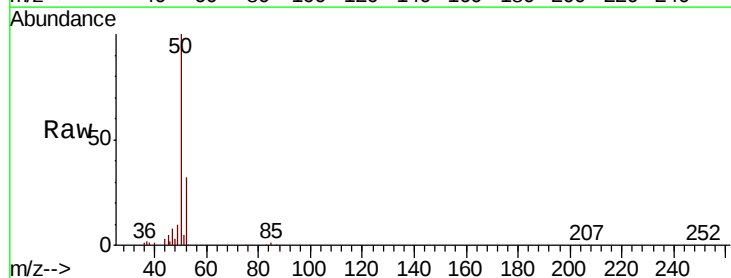
Acq: 15 Nov 2019 19:44

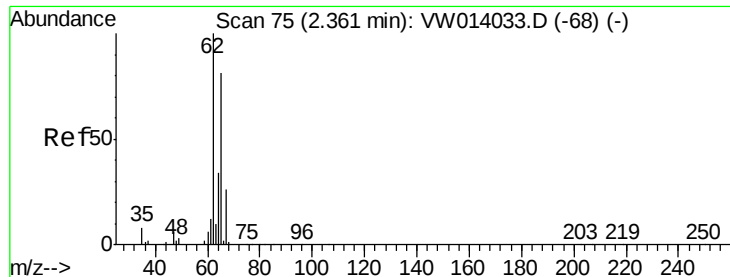
Tgt Ion: 50 Resp: 68309

Ion Ratio Lower Upper

50 100

52 31.9 23.8 44.2





#5

Vinyl chloride

Concen: 25.093 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

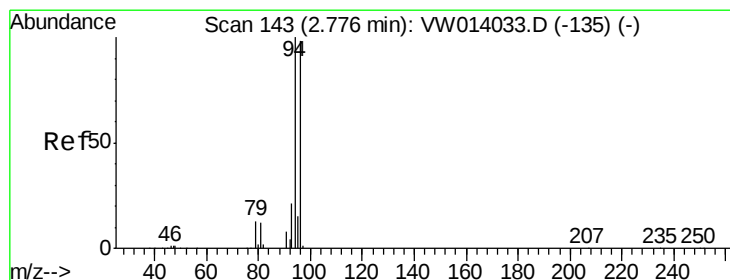
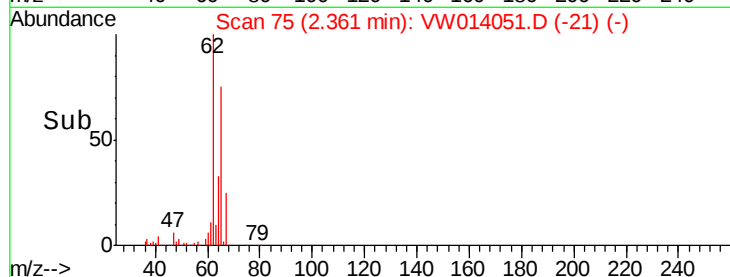
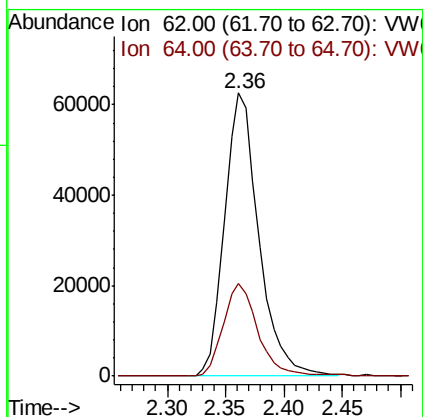
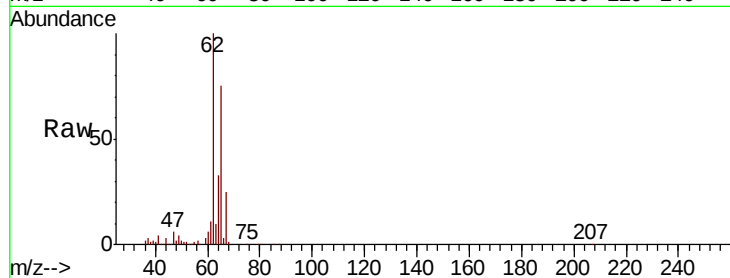
ClientSampleId :

Tot Ion: 62 Resp: 127618

Ion Ratio Lower Upper

62 100

64 32.5 21.8 40.4



#6

Bromomethane

Concen: 25.038 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014051.D

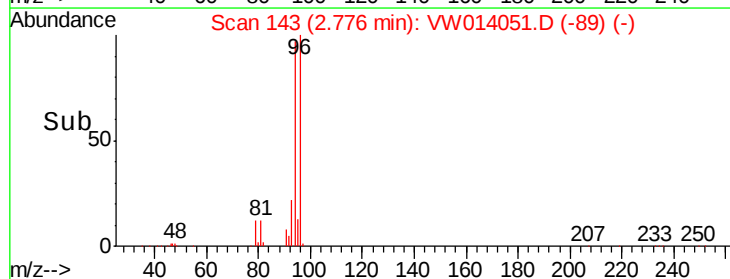
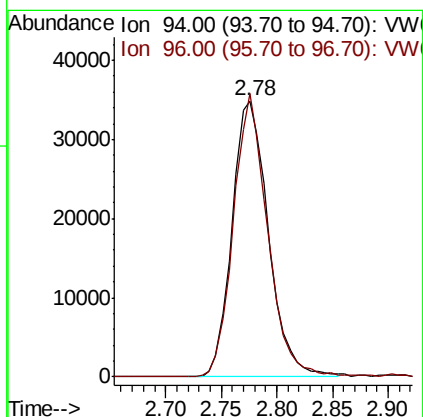
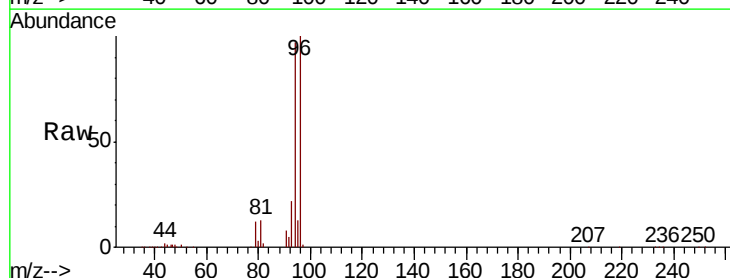
Acq: 15 Nov 2019 19:44

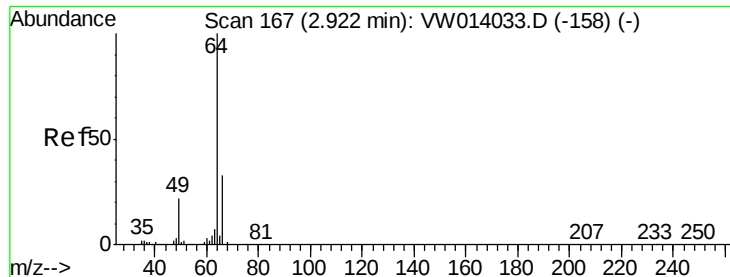
Tgt Ion: 94 Resp: 78838

Ion Ratio Lower Upper

94 100

96 96.3 9.4 178.8





#8

Chloroethane

Concen: 24.794 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

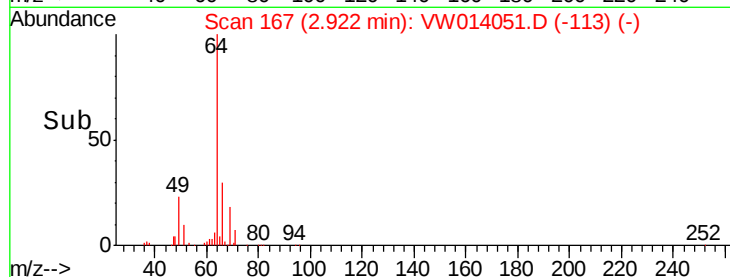
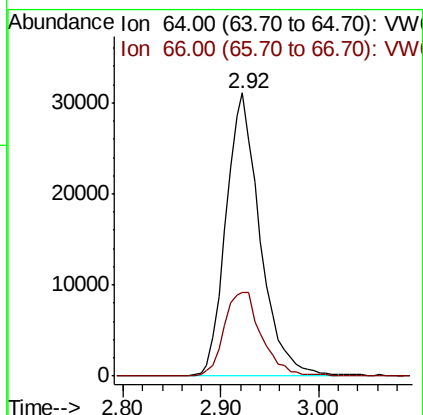
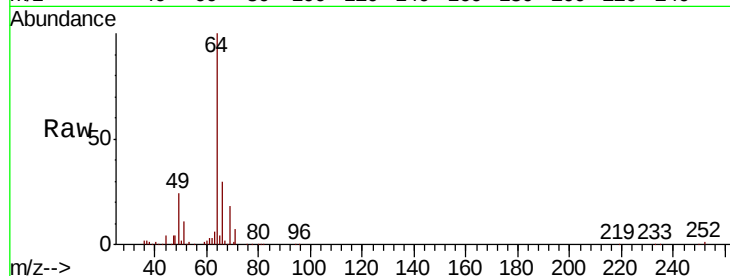
ClientSampleId :

Tot Ion: 64 Resp: 75007

Ion Ratio Lower Upper

64 100

66 29.8 21.2 39.4



#9

Trichlorofluoromethane

Concen: 19.563 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW014051.D

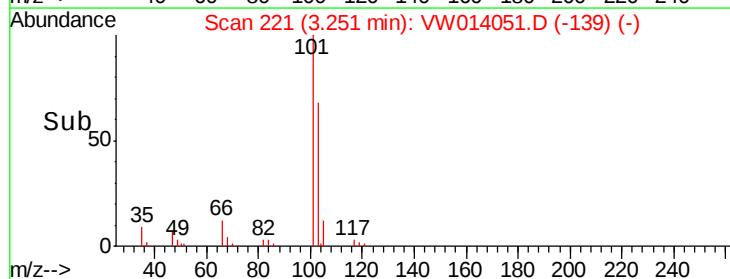
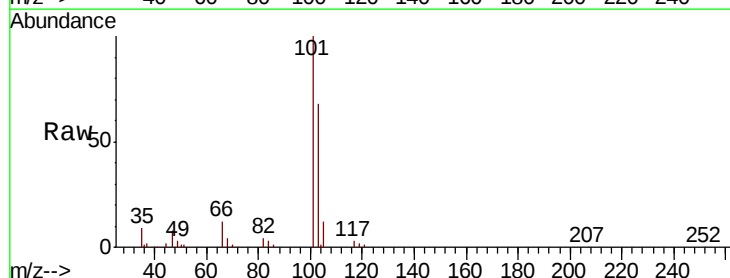
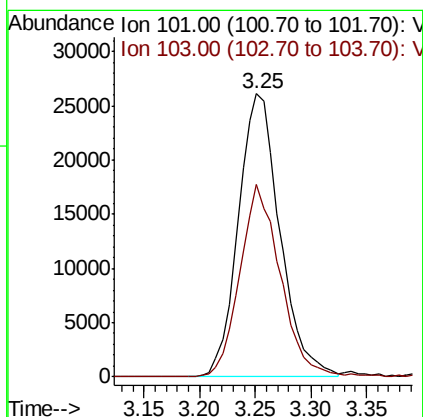
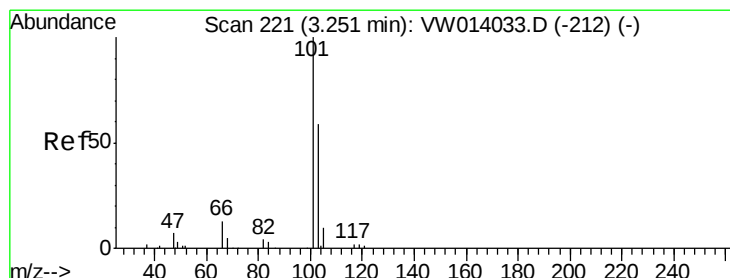
Acq: 15 Nov 2019 19:44

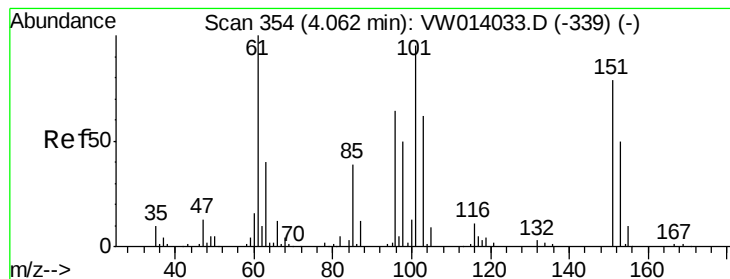
Tgt Ion: 101 Resp: 67844

Ion Ratio Lower Upper

101 100

103 66.1 45.4 84.2





#11

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

Concen: 25.430 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

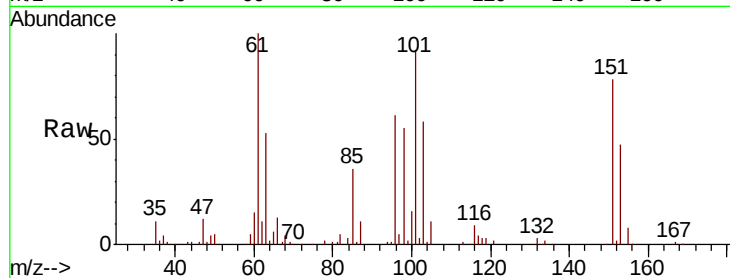
Tot Ion:101 Resp: 130218

Ion Ratio Lower Upper

101 100

85 39.4 31.4 47.2

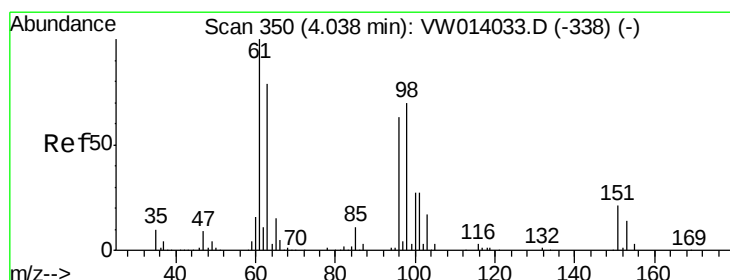
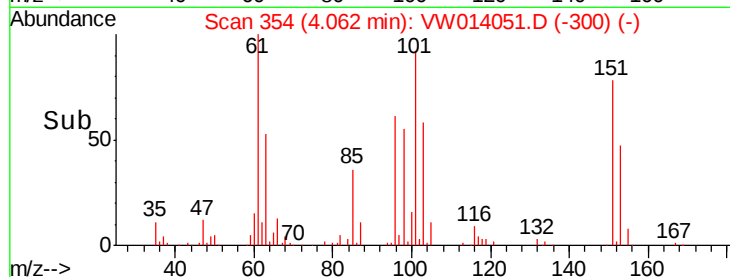
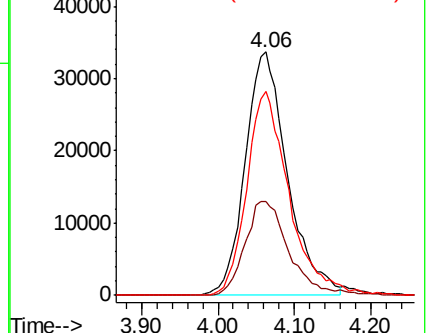
151 82.8 66.9 100.3



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: 24.648 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

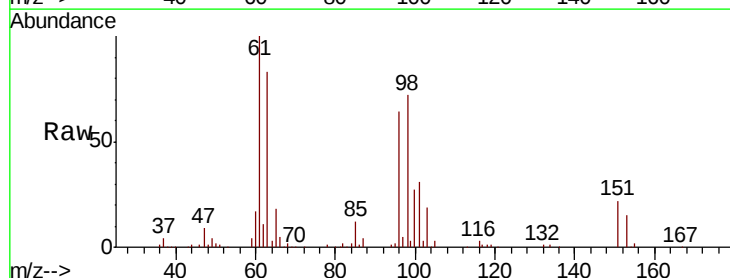
Tgt Ion: 96 Resp: 128302

Ion Ratio Lower Upper

96 100

61 156.8 109.8 204.0

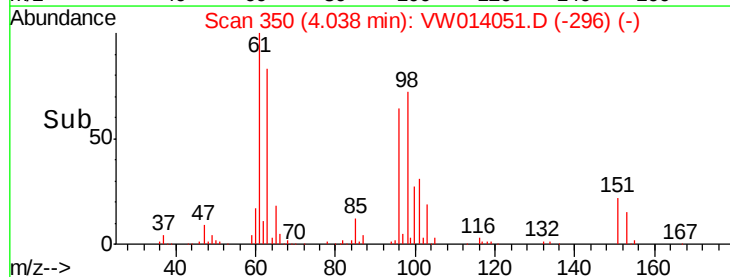
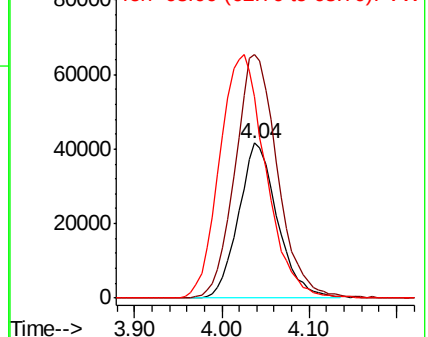
63 129.5 80.7 149.9

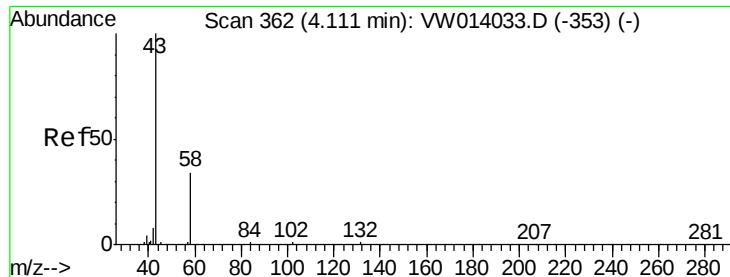


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 31.408 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

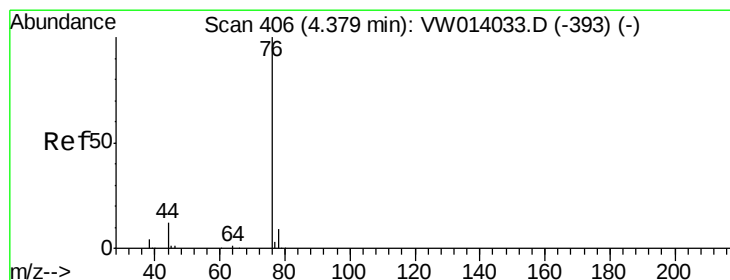
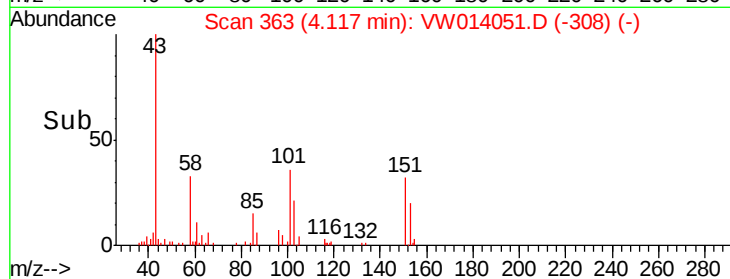
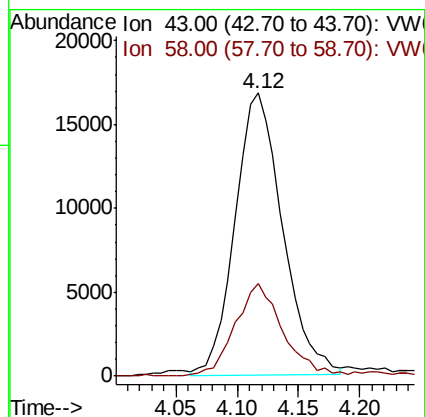
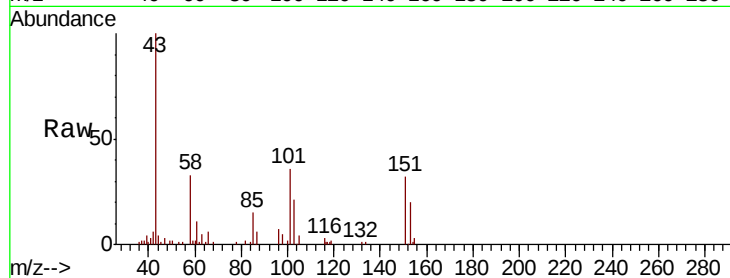
ClientSampleId :

Tot Ion: 43 Resp: 45677

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.4



#14

Carbon disulfide

Concen: 24.268 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014051.D

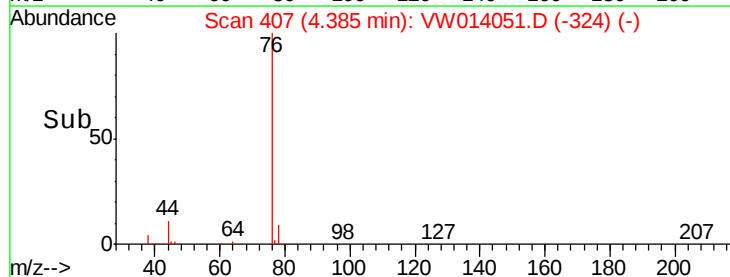
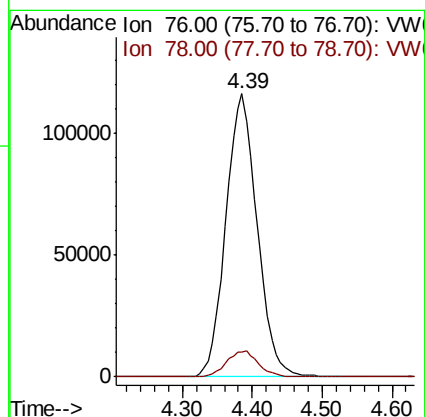
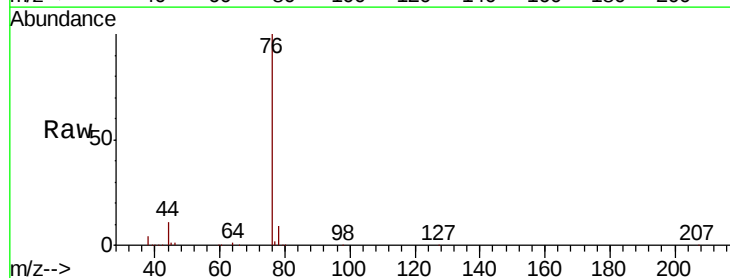
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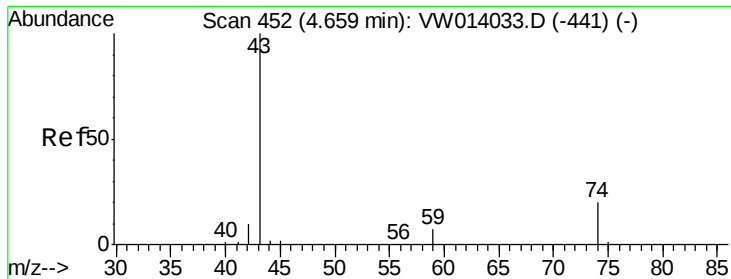
Tgt Ion: 76 Resp: 359538

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

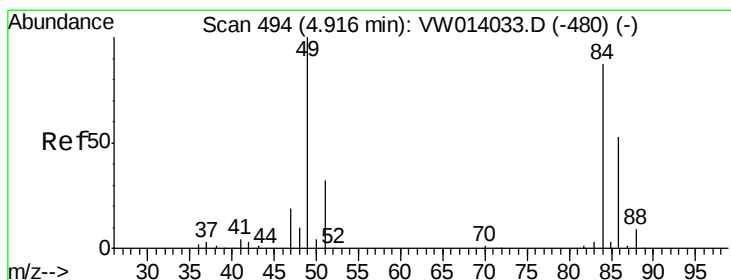
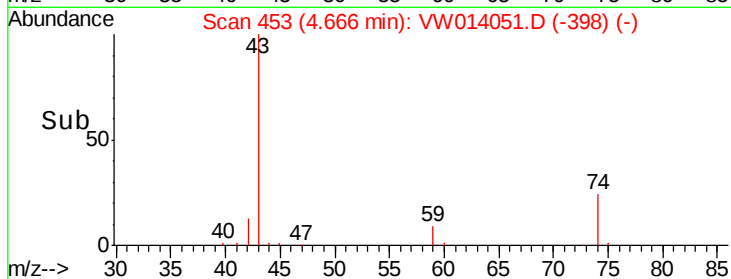
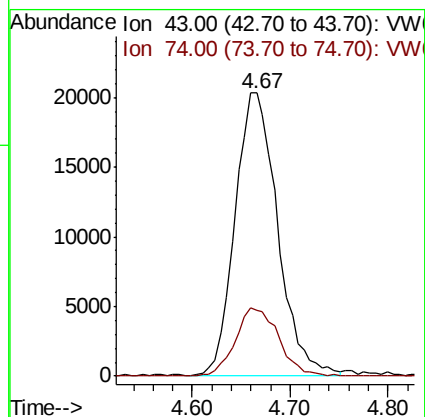
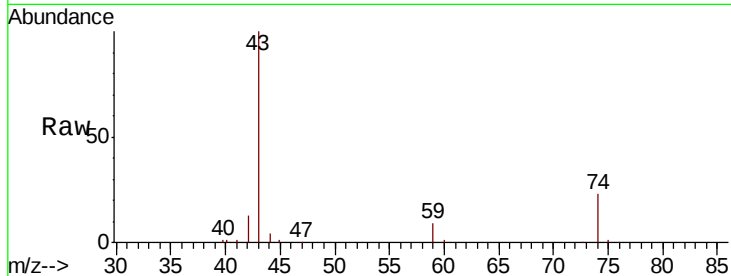




#15
Methyl Acetate
Concen: 26.189 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

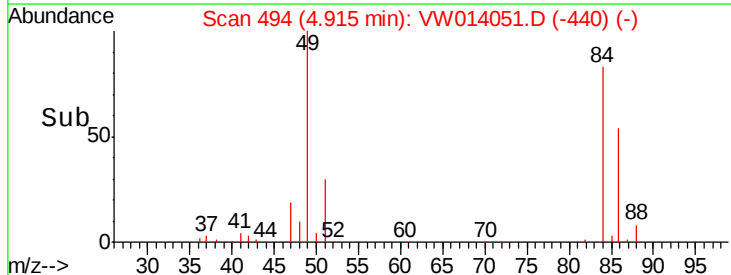
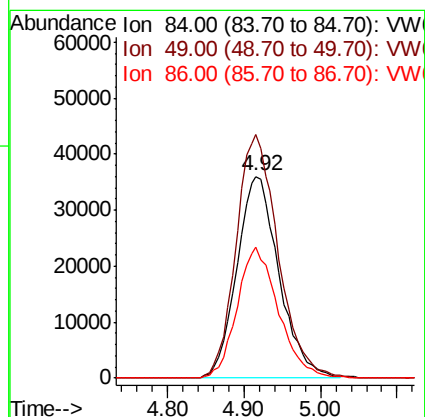
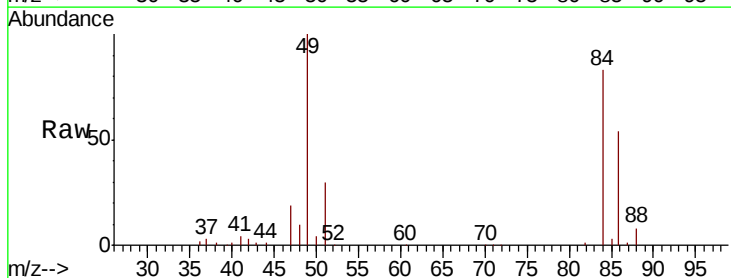
Instrument :
MSVOA_W
ClientSampleId :

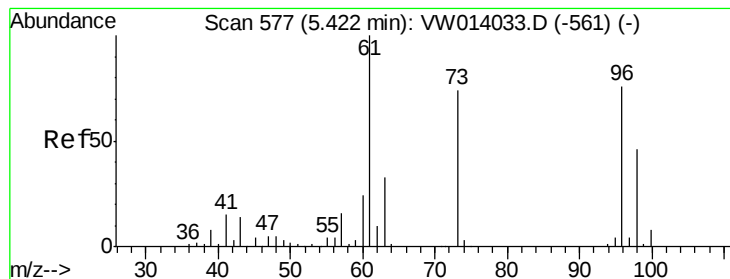
Tot Ion: 43 Resp: 61625
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



#16
Methylene chloride
Concen: 23.166 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

Tgt Ion: 84 Resp: 137515
Ion Ratio Lower Upper
84 100
49 120.5 84.2 156.4
86 64.8 43.7 81.1



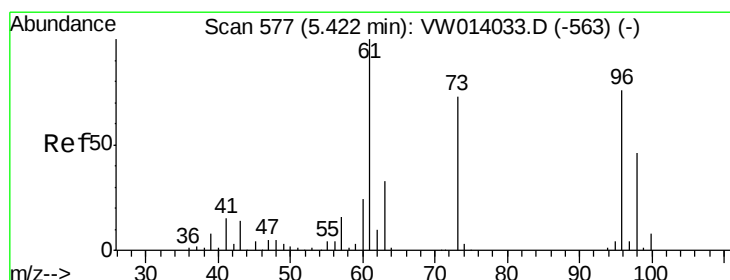
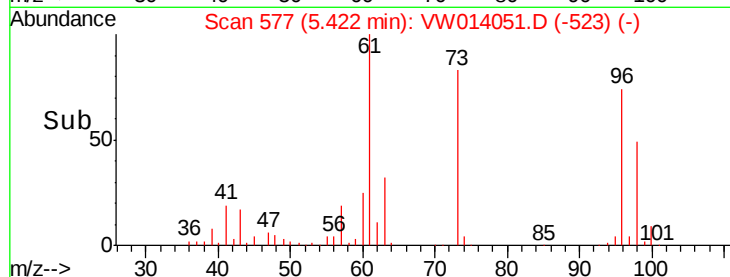
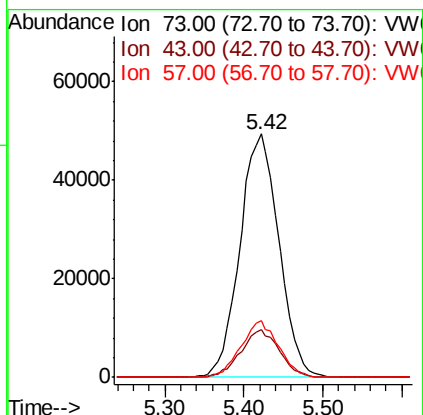
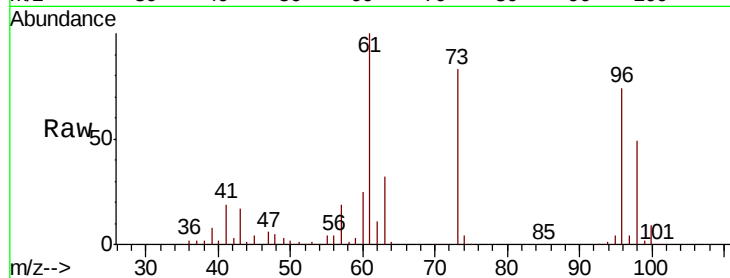


#17

Methvl tert-butvl Ether
 Concen: 25.318 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :

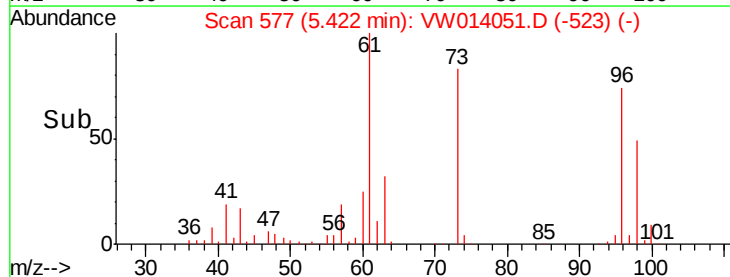
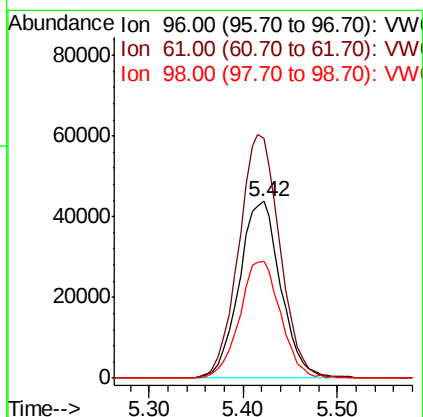
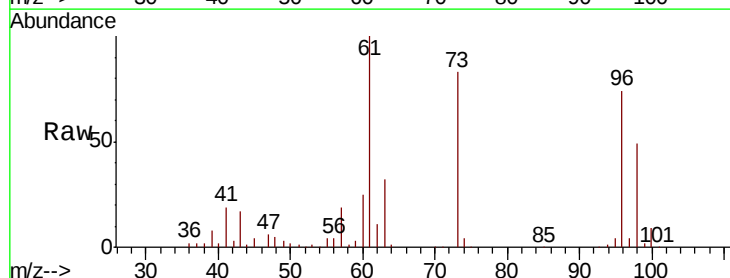
Tot Ion: 73 Resp: 170015
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.5 23.3
 57 22.4 18.2 27.4

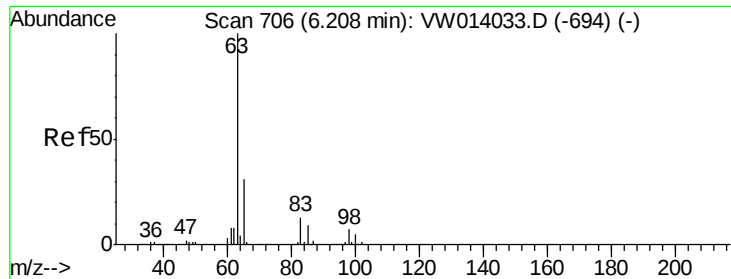


#18

trans-1,2-Dichloroethene
 Concen: 24.880 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion: 96 Resp: 135050
 Ion Ratio Lower Upper
 96 100
 61 135.7 90.6 168.2
 98 66.2 42.9 79.7

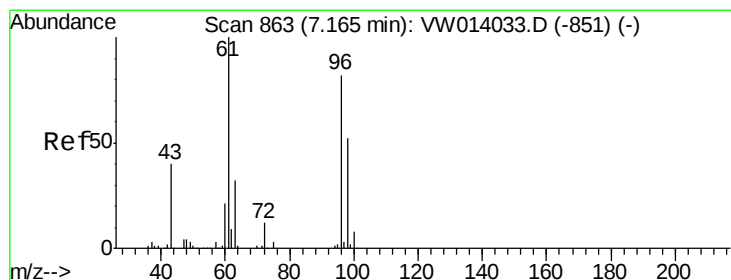
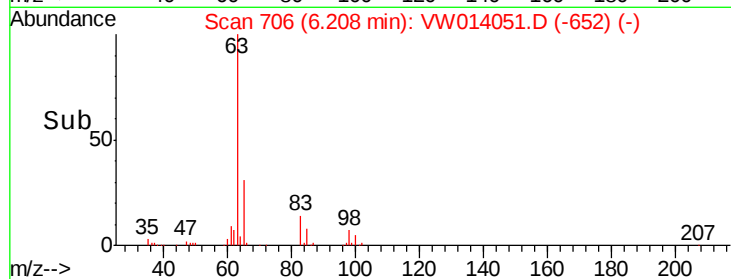
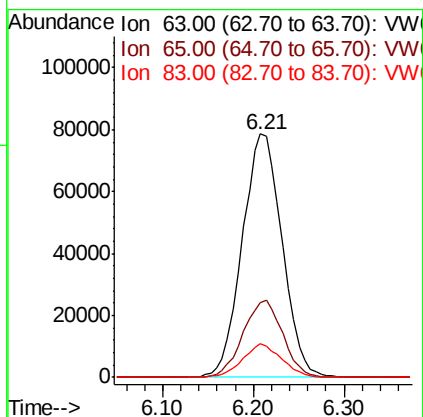
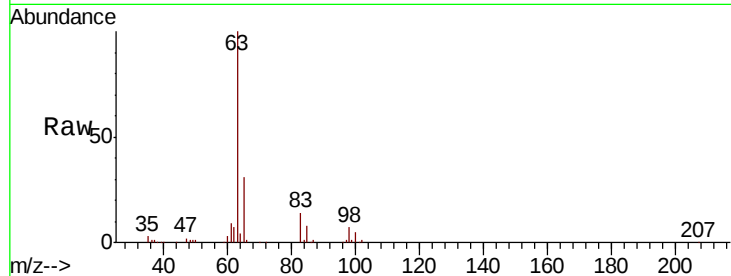




#19
 1,1-Dichloroethane
 Concen: 26.232 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

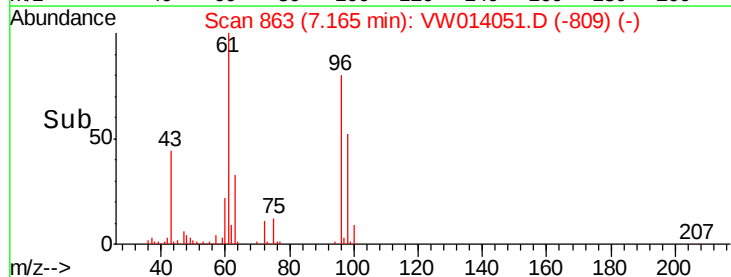
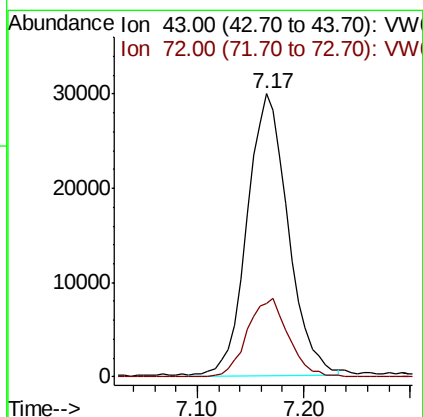
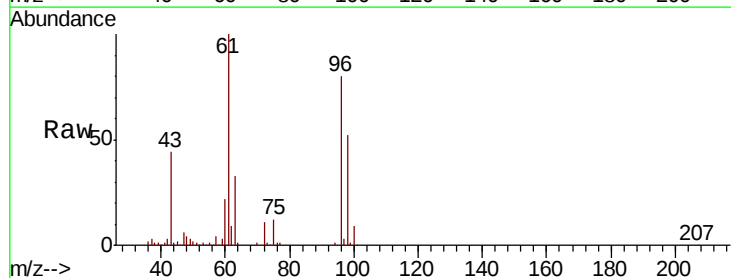
Instrument :
 MSVOA_W
 ClientSampled :

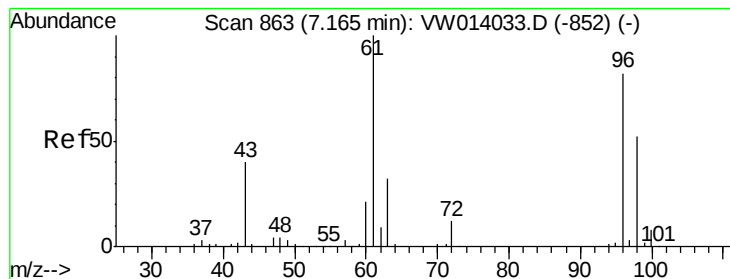
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.1	41.1
83	13.6	9.0	16.6



#21
 2-Butanone
 Concen: 43.427 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	14.1	42.2



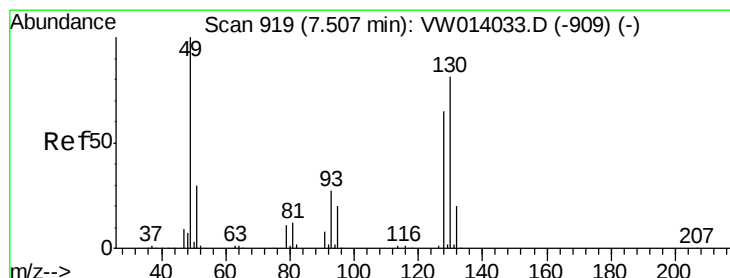
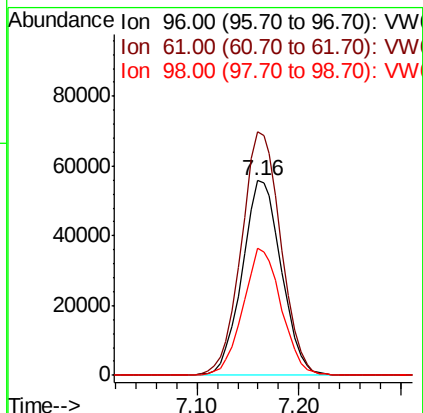
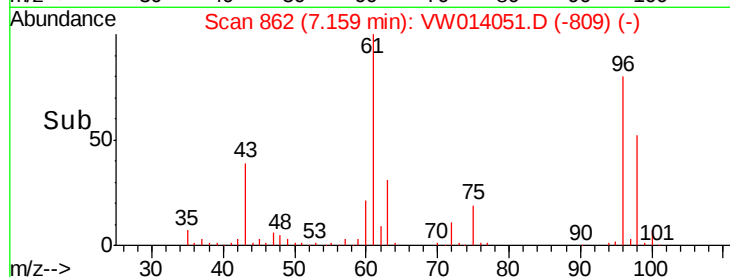
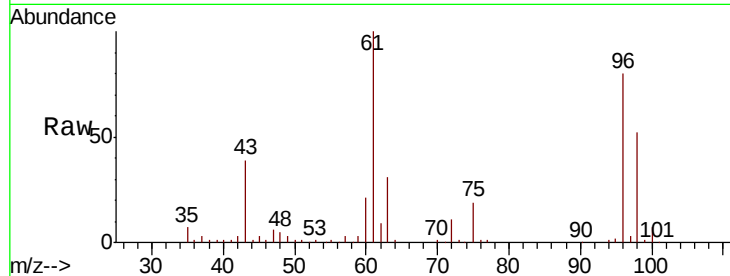


#22

cis-1,2-Dichloroethene
 Concen: 26.091 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :

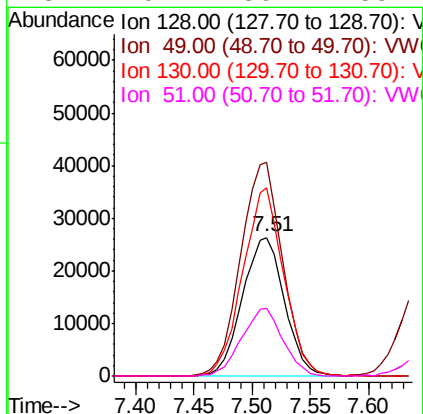
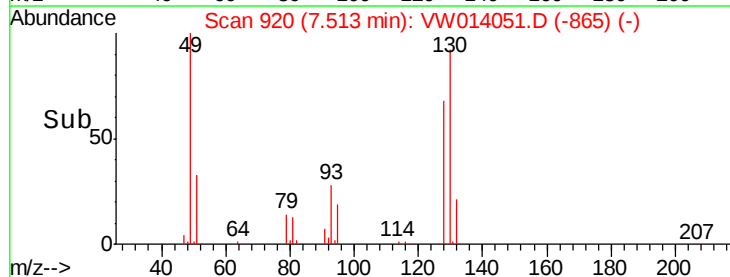
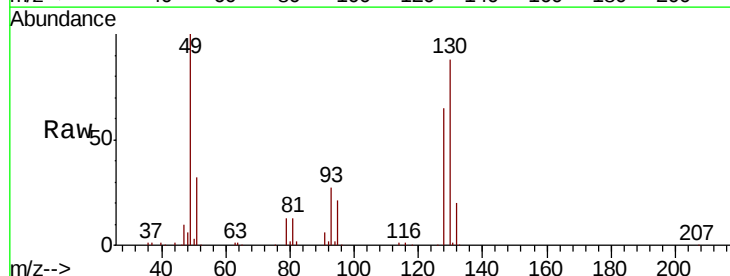
Tot Ion: 96 Resp: 149033
 Ion Ratio Lower Upper
 96 100
 61 125.2 86.9 161.5
 98 65.7 45.5 84.5

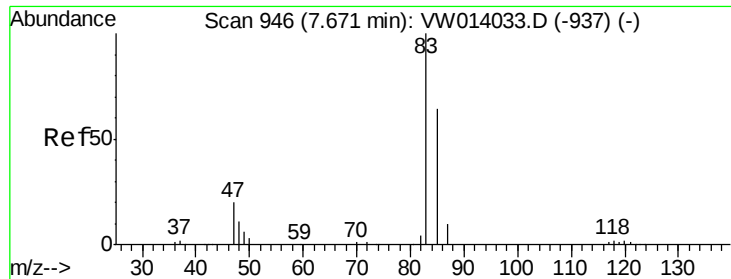


#23

Bromochloromethane
 Concen: 26.277 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion: 128 Resp: 65887
 Ion Ratio Lower Upper
 128 100
 49 154.5 95.1 176.5
 130 136.1 85.0 158.0
 51 49.4 36.7 55.1

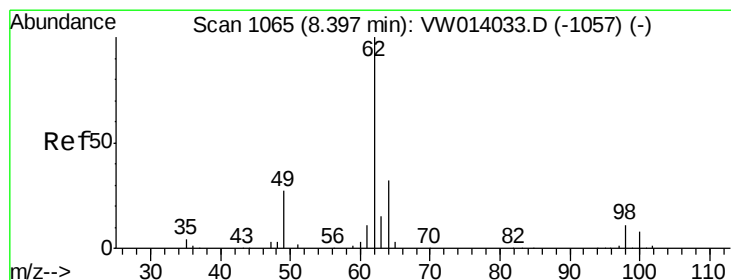
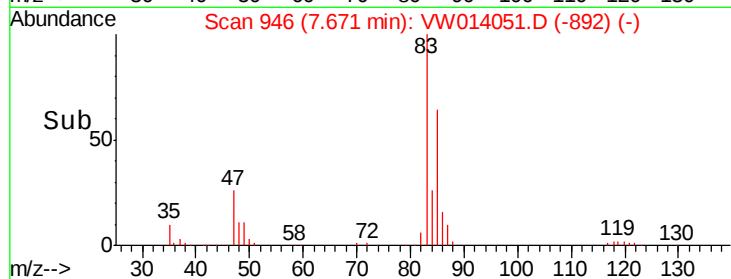
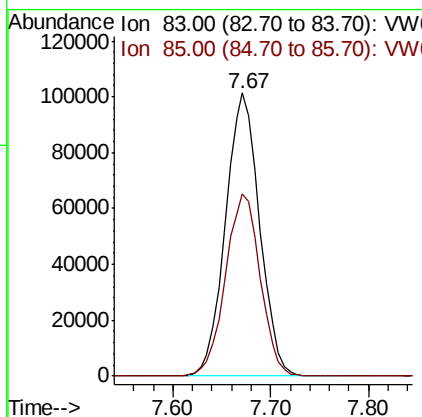
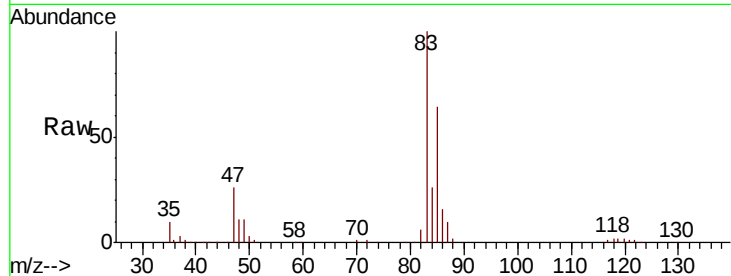




#25
Chloroform
Concen: 27.243 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

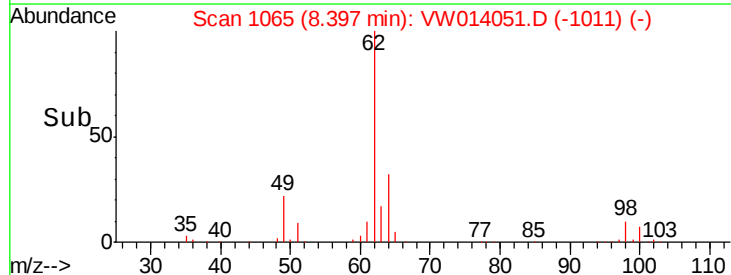
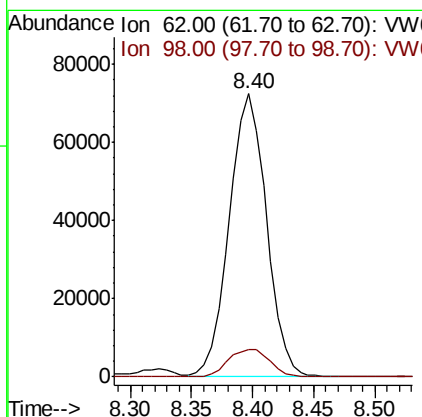
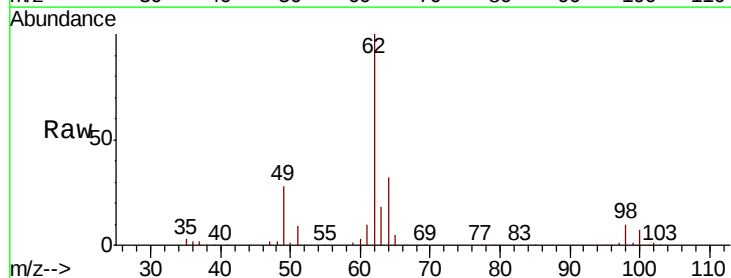
Instrument :
MSVOA_W
ClientSampleId :

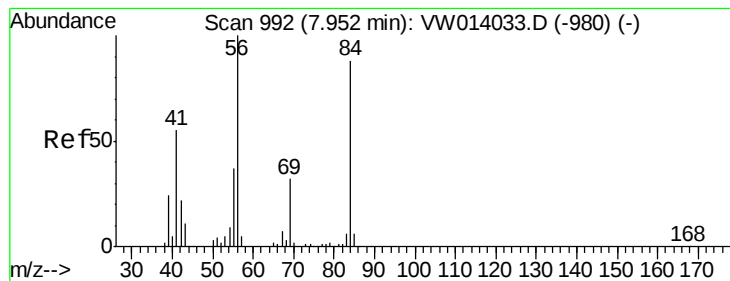
Tot Ion: 83 Resp: 244609
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 28.193 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

Tgt Ion: 62 Resp: 153260
Ion Ratio Lower Upper
62 100
98 9.6 9.3 13.9





#30

Cyclohexane

Concen: 23.208 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampled :

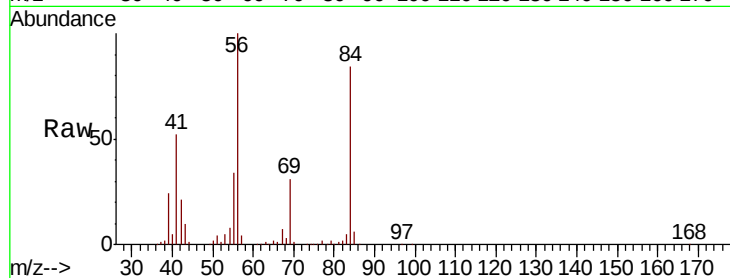
Tot Ion: 56 Resp: 227152

Ion Ratio Lower Upper

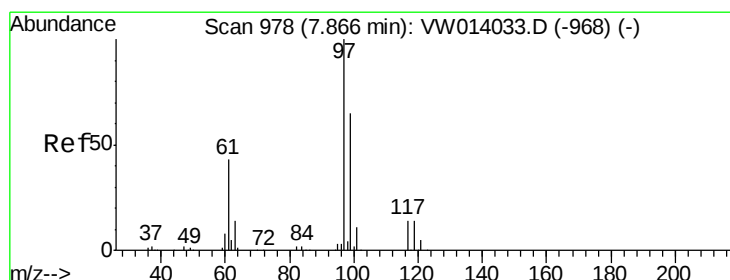
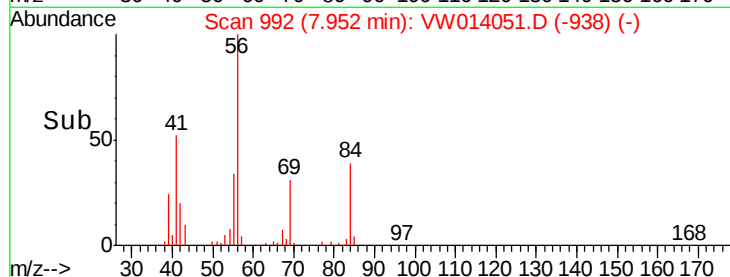
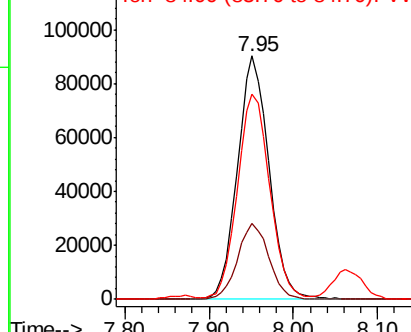
56 100

69 31.0 24.6 37.0

84 86.9 70.2 105.2



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: 24.188 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

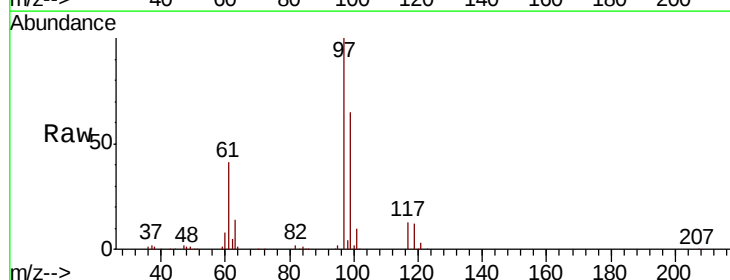
Tgt Ion: 97 Resp: 185397

Ion Ratio Lower Upper

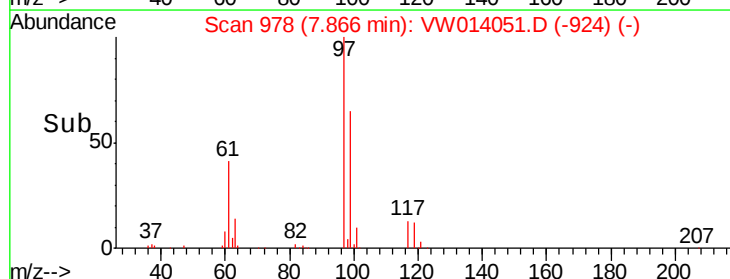
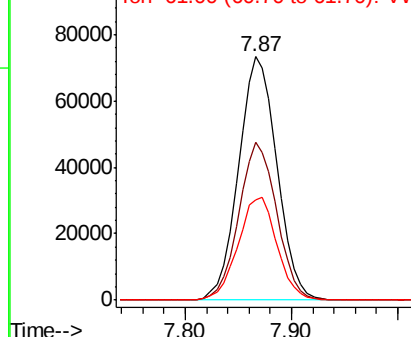
97 100

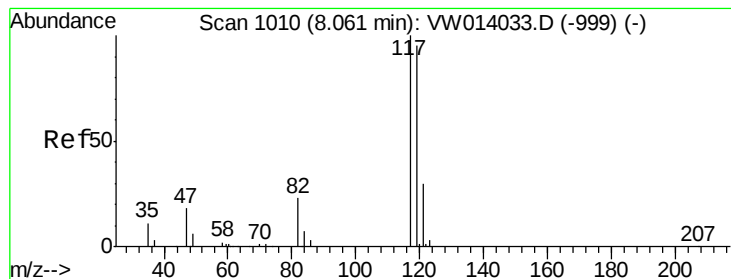
99 64.4 51.1 76.7

61 42.8 32.8 49.2



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: 24.843 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

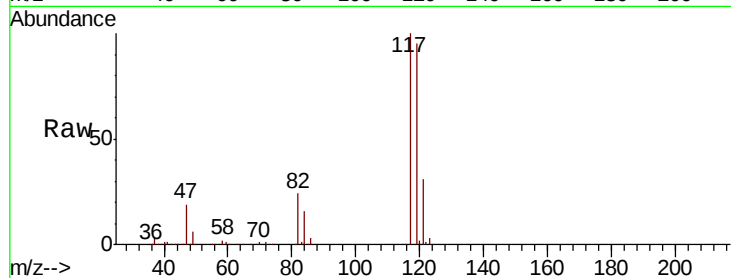
ClientSampleId :

Tot Ion:117 Resp: 182790

Ion Ratio Lower Upper

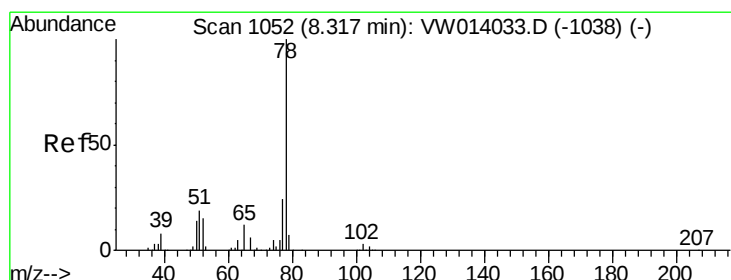
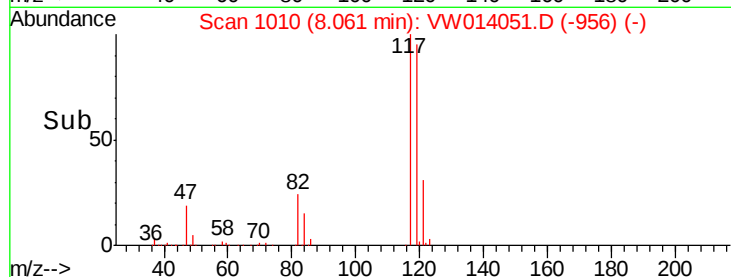
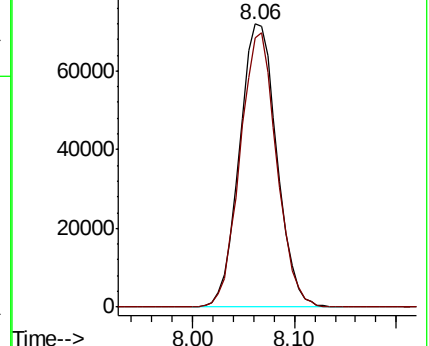
117 100

119 94.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.904 ug/L

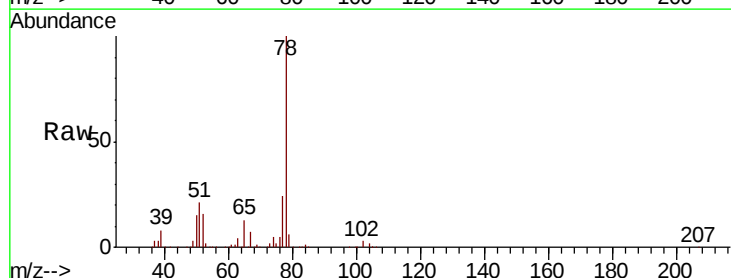
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

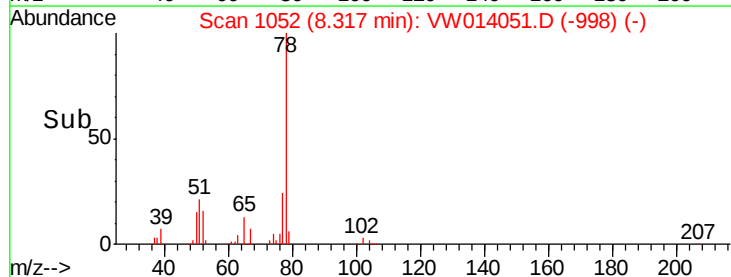
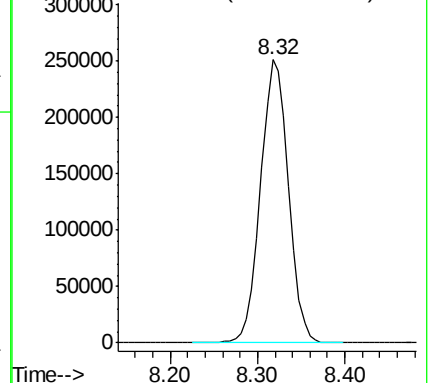
Lab File: VW014051.D

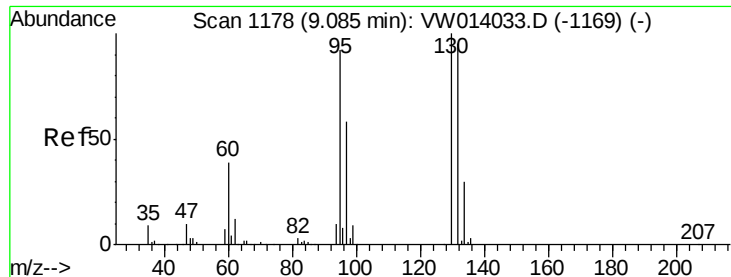
Acq: 15 Nov 2019 19:44

Tgt Ion: 78 Resp: 558675



Abundance Ion 78.00 (77.70 to 78.70): VW

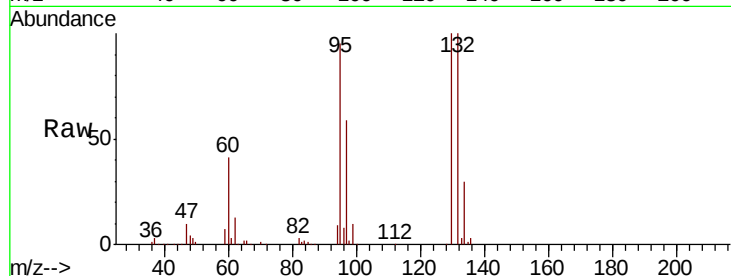




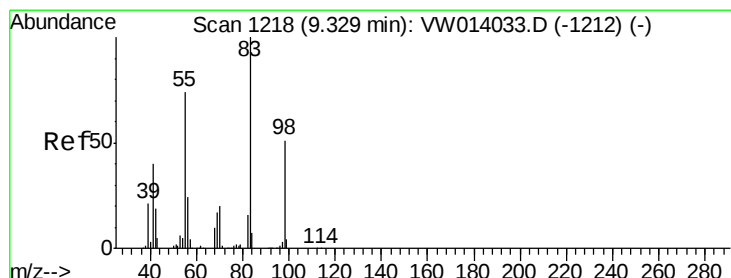
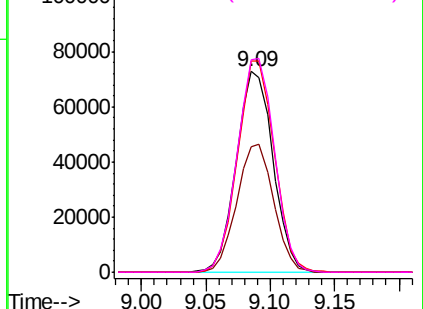
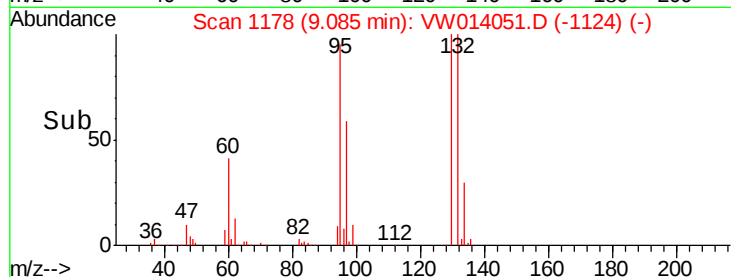
#35
 Trichloroethene
 Concen: 24.110 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	144277
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.1	83.9
132	105.2	73.7	136.9
130	107.7	76.6	142.2

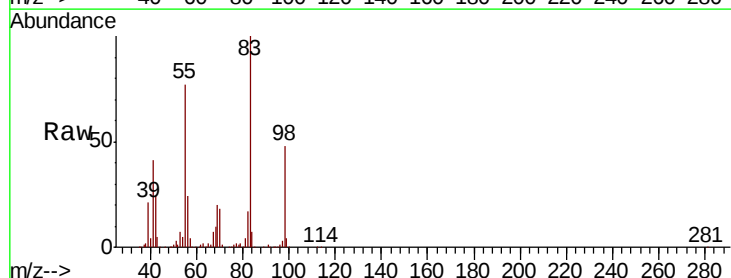


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

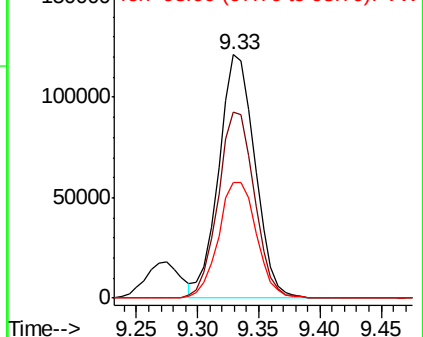
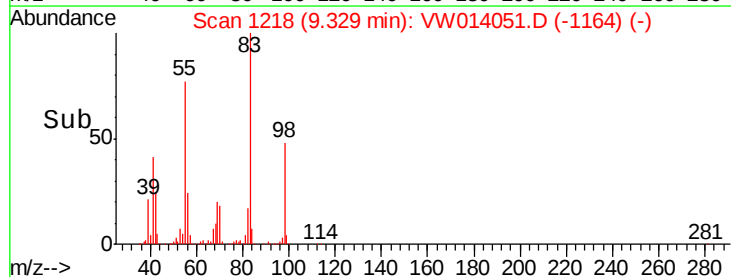


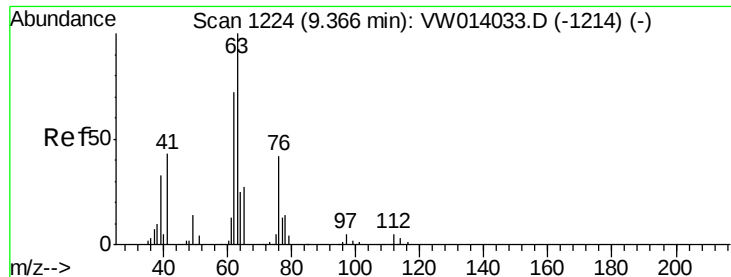
#36
 Methylcyclohexane
 Concen: 23.249 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion:	83	Resp:	249453
Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.8	89.8
98	49.8	39.5	59.3



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

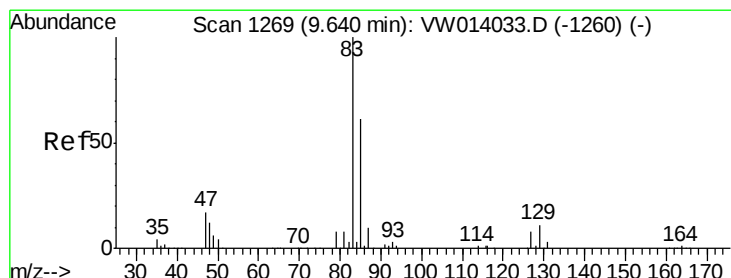
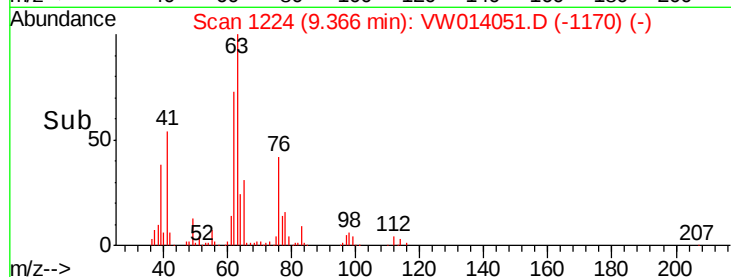
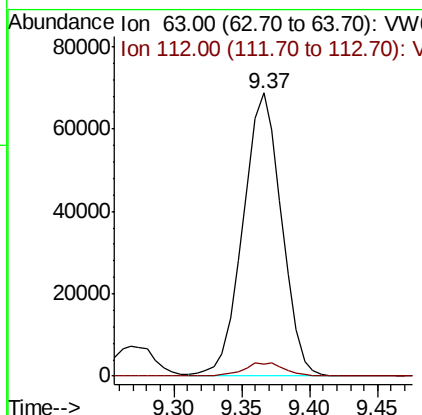
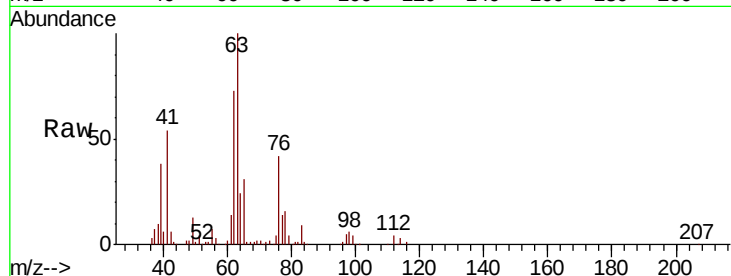




#40
 1,2-Dichloropropane
 Concen: 25.308 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

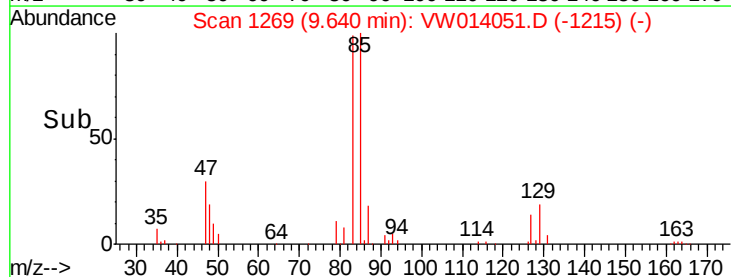
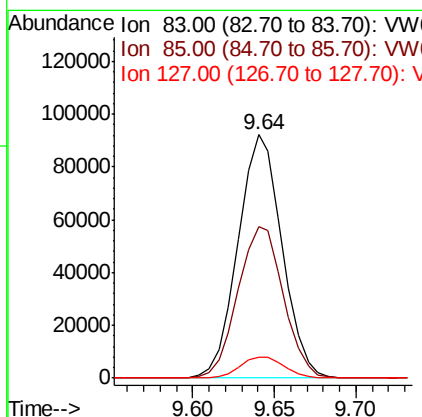
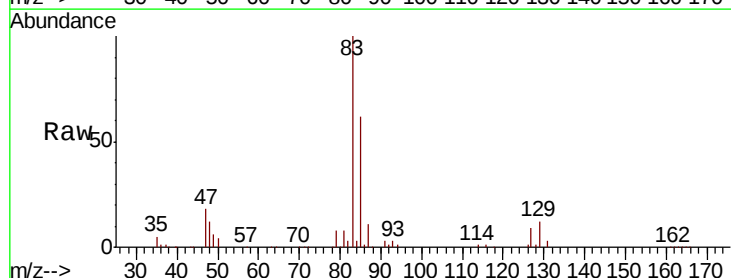
Instrument :
 MSVOA_W
 ClientSampleId :

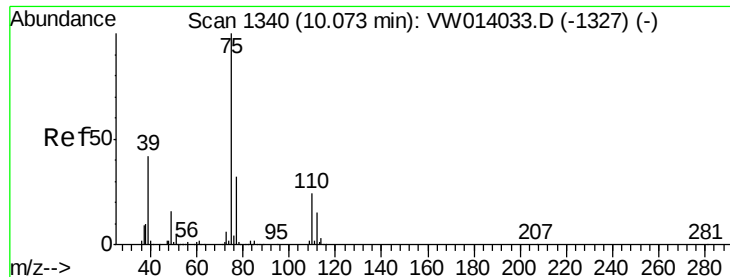
Tot Ion: 63 Resp: 136672
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 26.471 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion: 83 Resp: 172819
 Ion Ratio Lower Upper
 83 100
 85 62.2 45.1 83.7
 127 8.6 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.082 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

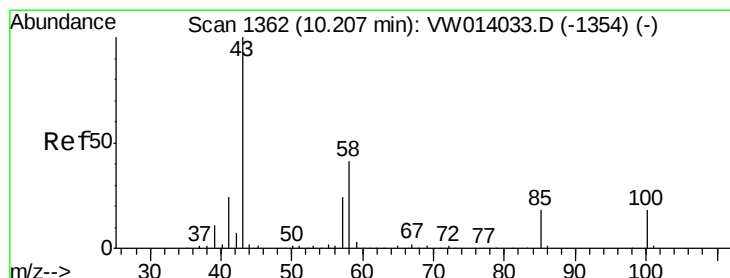
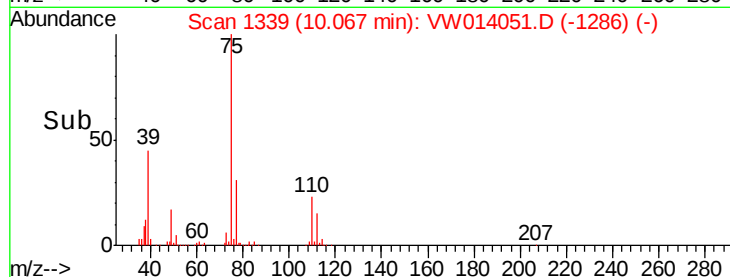
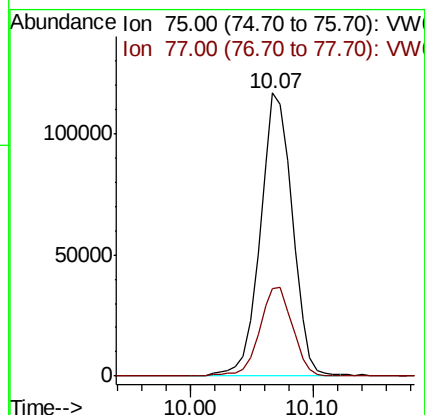
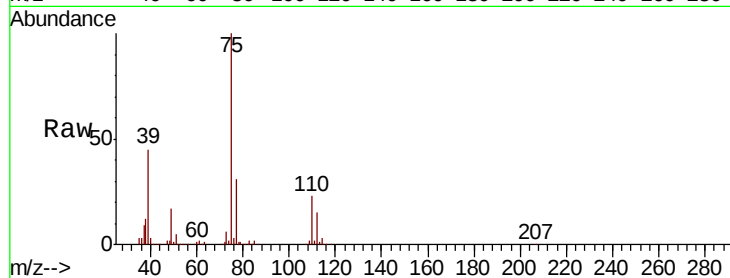
ClientSampleId :

Tot Ion: 75 Resp: 213756

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 50.828 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

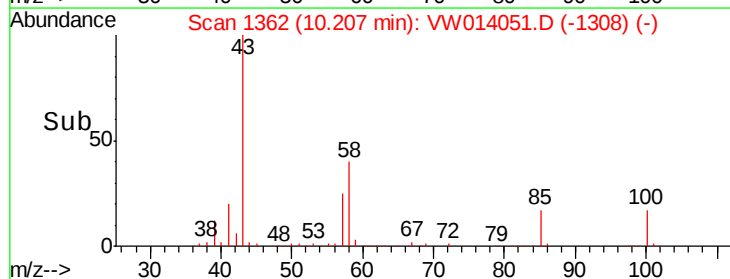
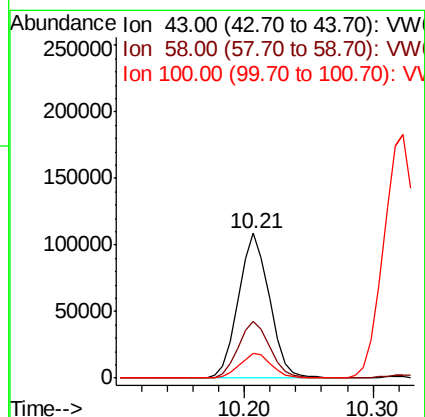
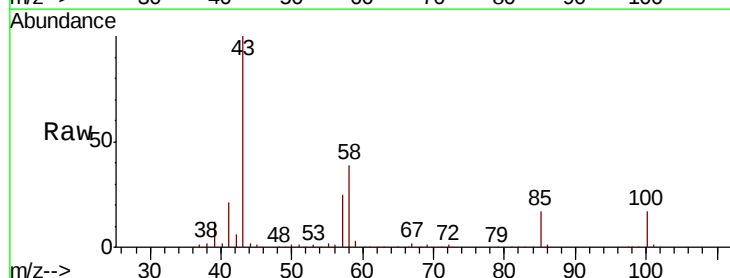
Tgt Ion: 43 Resp: 181234

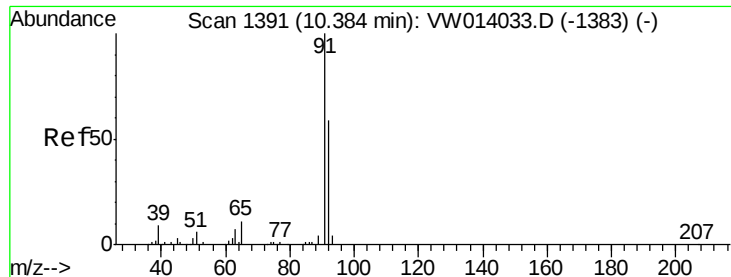
Ion Ratio Lower Upper

43 100

58 40.0 32.6 49.0

100 17.1 13.8 20.8





#44

Toluene

Concen: 24.904 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

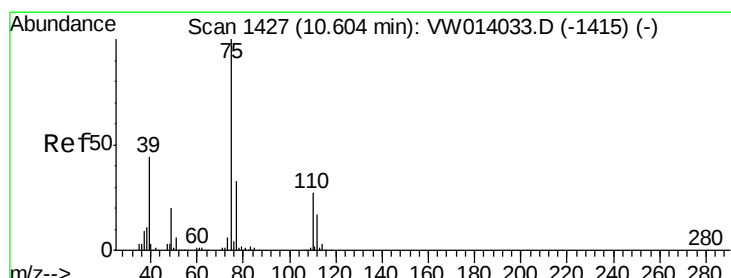
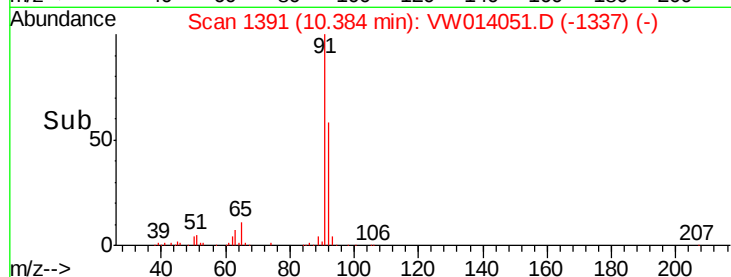
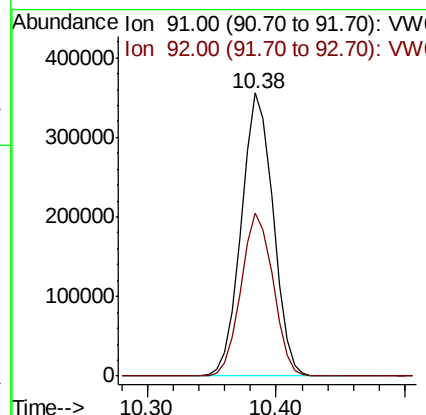
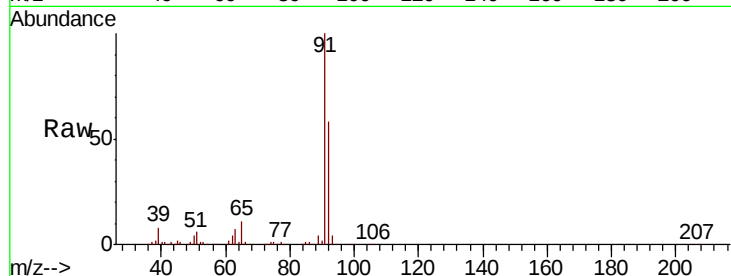
ClientSampled :

Tot Ion: 91 Resp: 609131

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.460 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014051.D

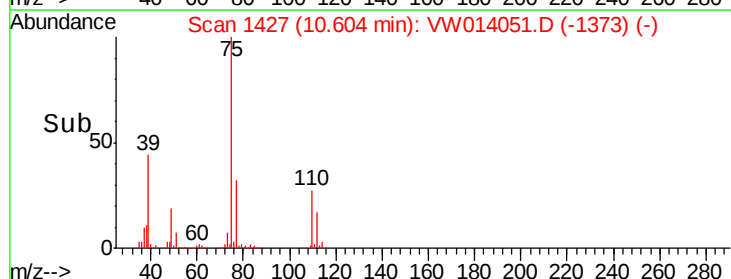
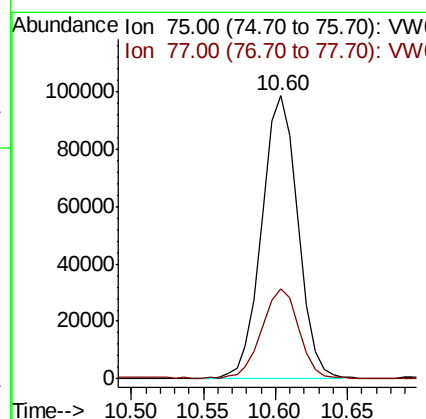
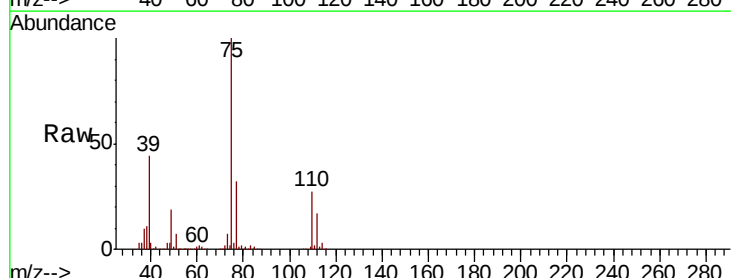
Acq: 15 Nov 2019 19:44

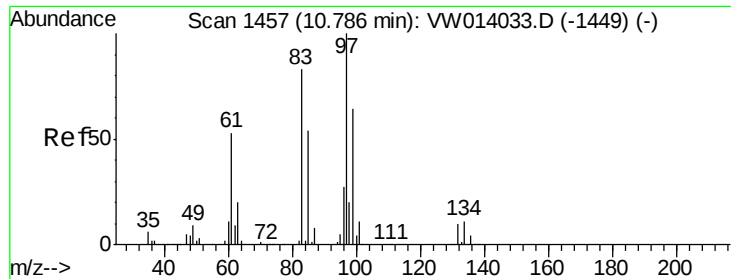
Tgt Ion: 75 Resp: 171582

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.984 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 103105

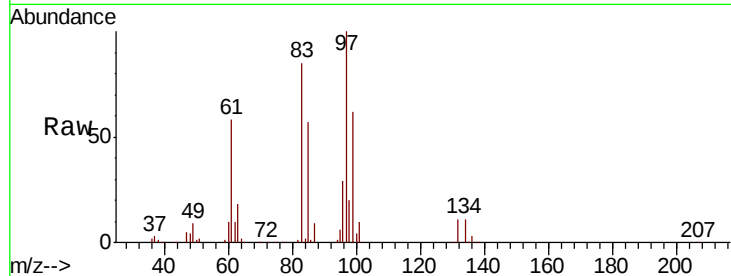
Ion Ratio Lower Upper

97 100

83 85.4 58.9 109.5

85 57.5 38.1 70.9

99 62.3 46.5 86.3



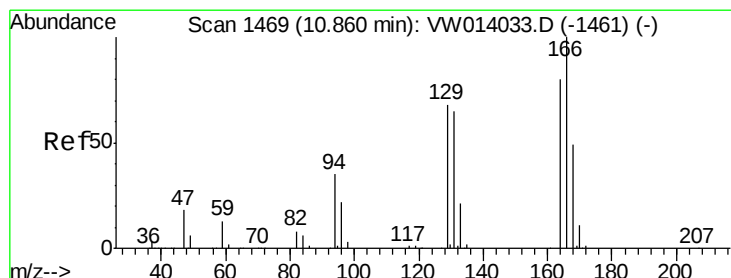
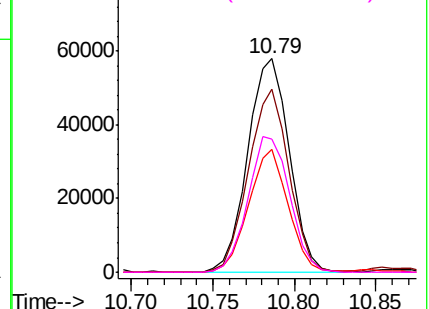
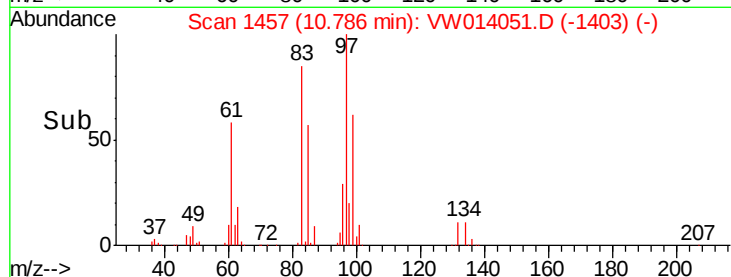
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.310 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Tgt Ion: 164 Resp: 129664

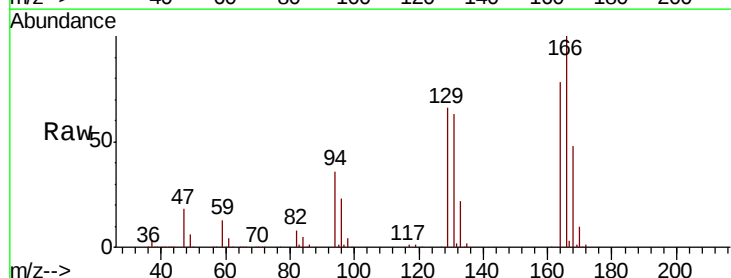
Ion Ratio Lower Upper

164 100

129 84.9 60.6 112.6

131 81.7 59.1 109.7

166 128.9 90.8 168.6



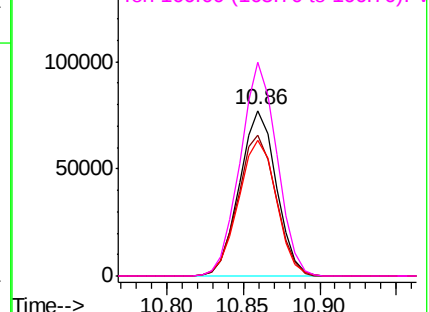
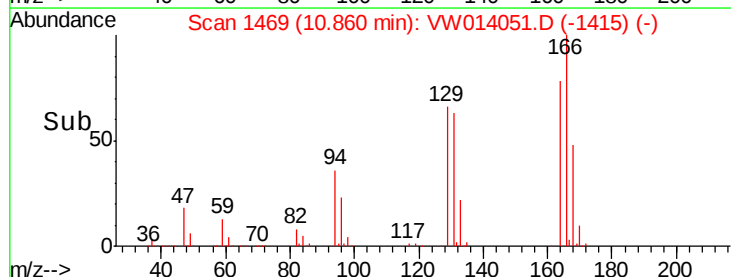
Abundance

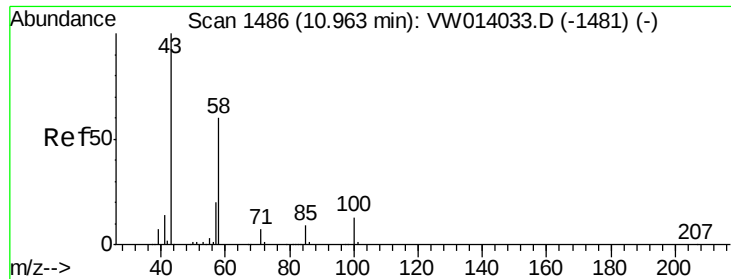
Ion 164.00 (163.70 to 164.70): V

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

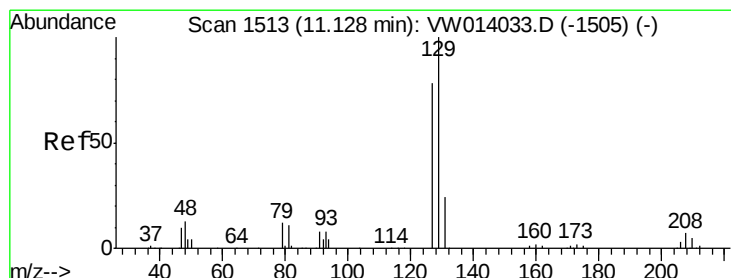
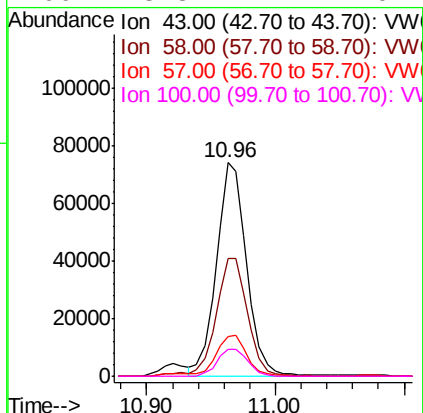
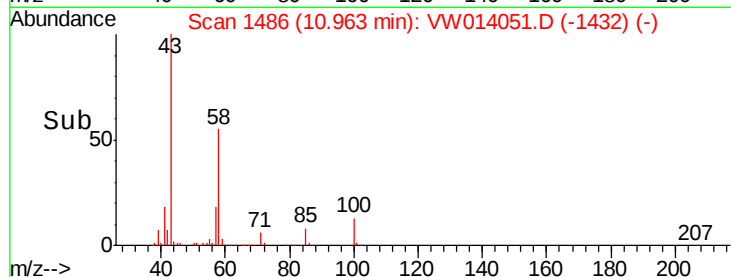
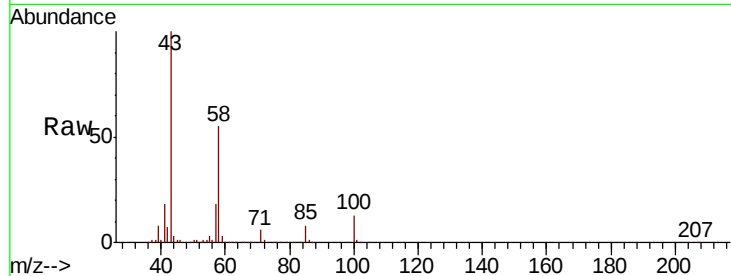




#49
2-Hexanone
Concen: 47.516 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

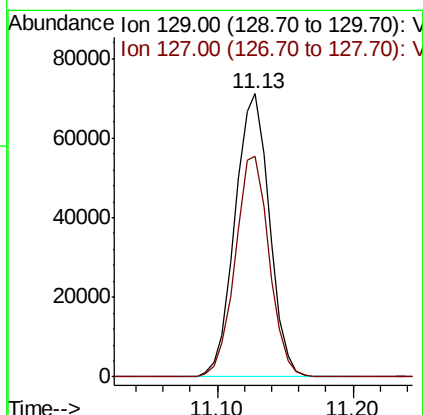
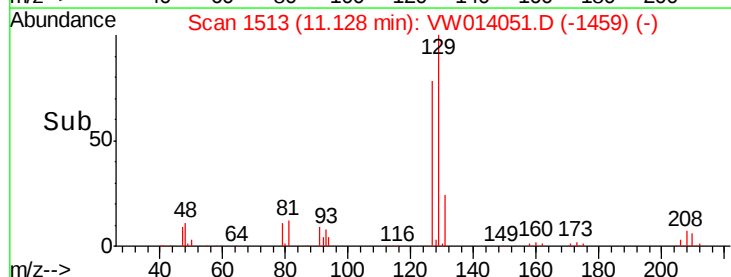
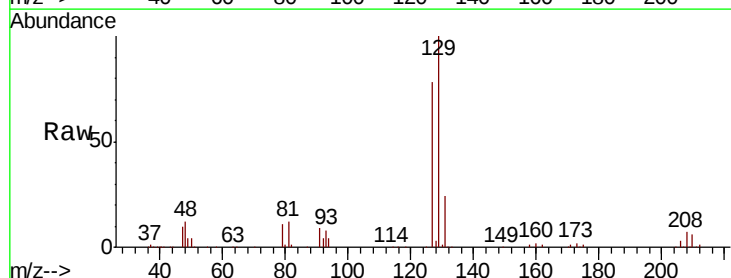
Instrument :
MSVOA_W
ClientSampled :

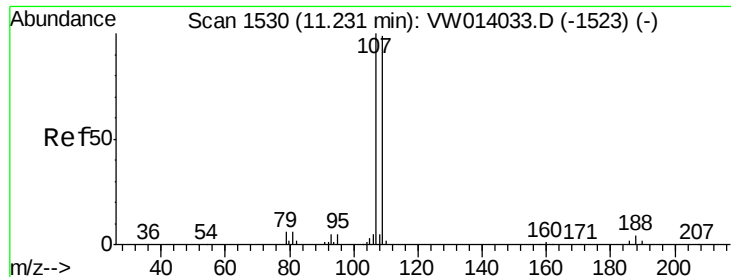
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.4	66.6
57	19.3	16.5	24.7
100	13.3	11.1	16.7



#50
Dibromochloromethane
Concen: 26.897 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.9	102.1





#51

1,2-Dibromoethane

Concen: 26.062 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014051.D

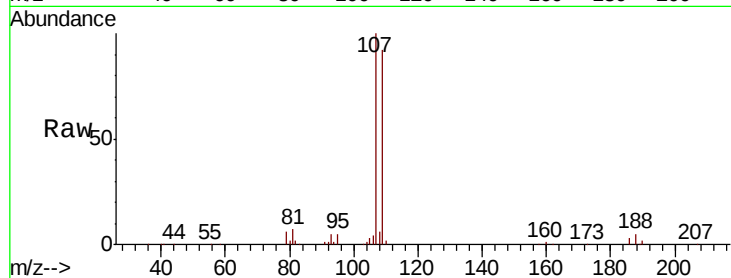
Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	107	Resp:	100337
Ion	Ratio	Lower	Upper
107	100		
109	92.4	64.6	120.0
188	4.9	3.9	5.9

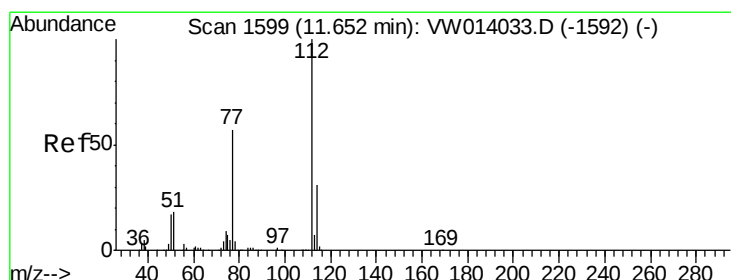
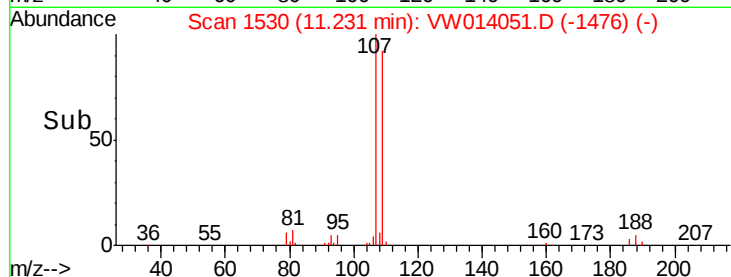
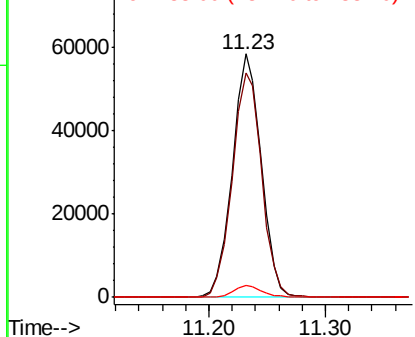


Abundance

Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.344 ug/L

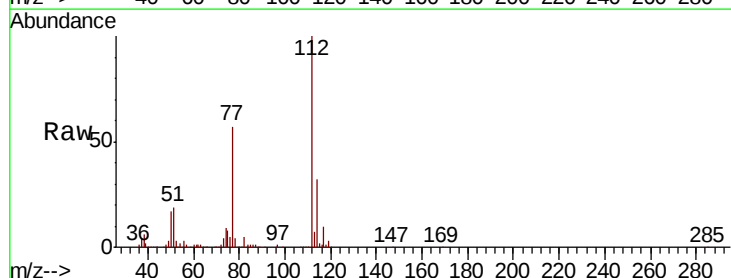
RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Tgt Ion:	112	Resp:	388613
Ion	Ratio	Lower	Upper
112	100		
77	56.7	42.2	63.4
114	31.6	22.5	41.9

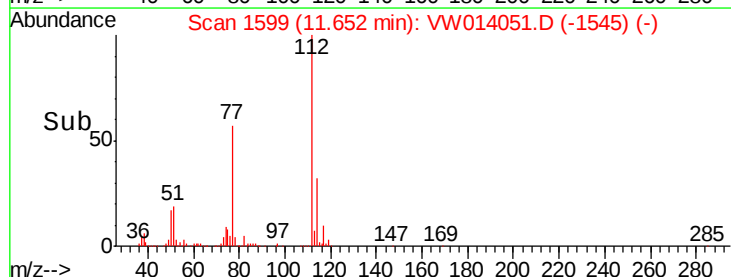
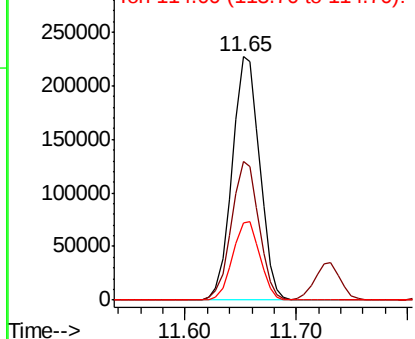


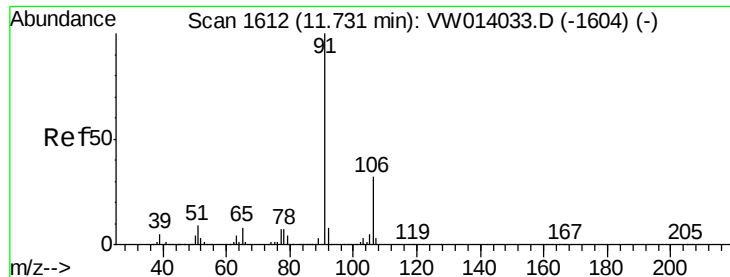
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

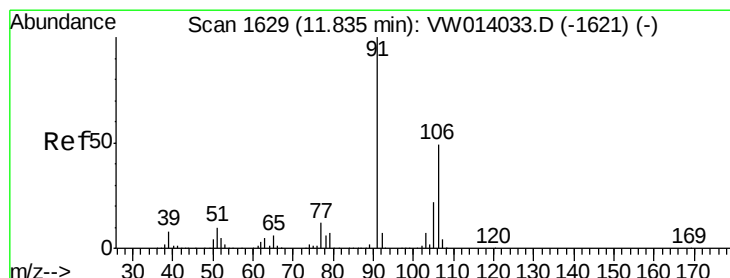
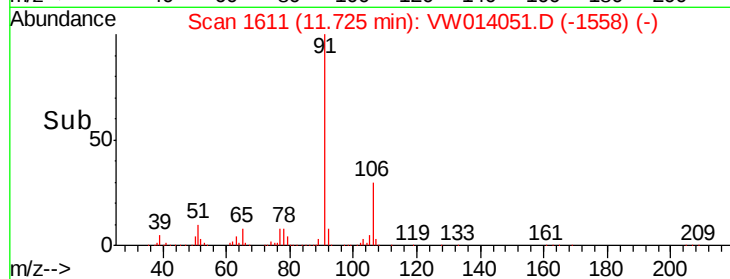
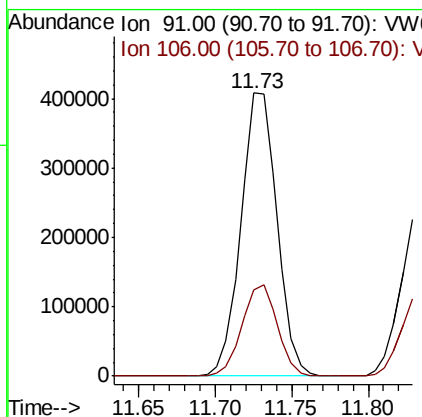
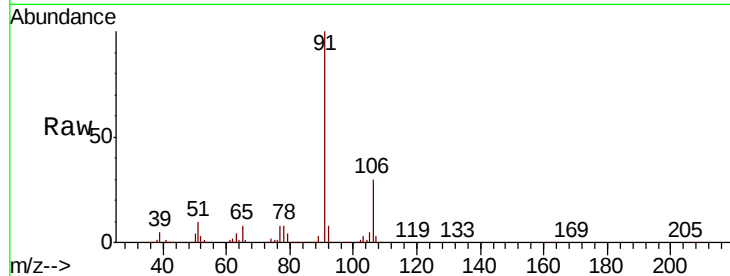




#53
Ethylbenzene
Concen: 24.898 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

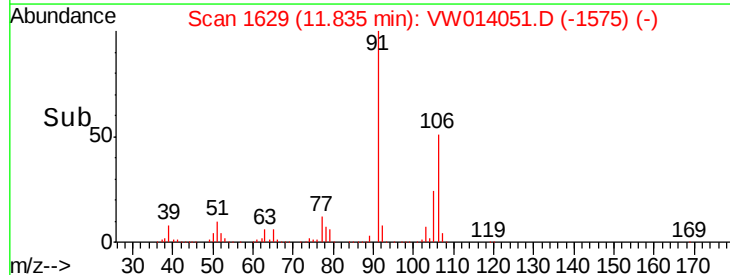
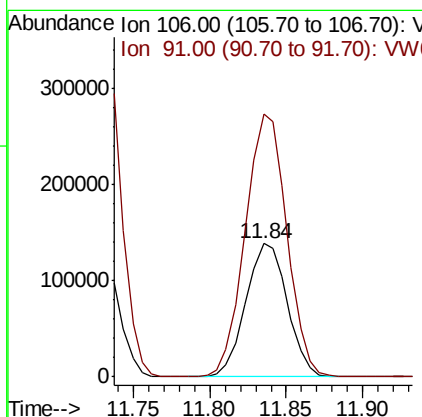
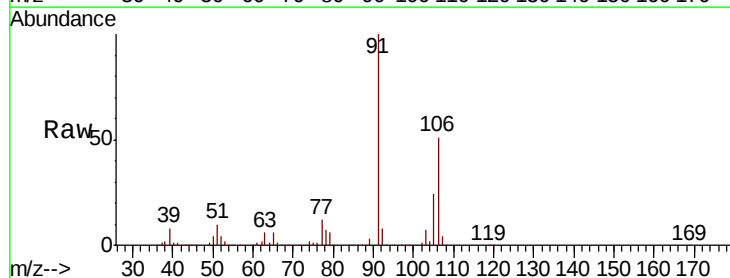
Instrument :
MSVOA_W
ClientSampled :

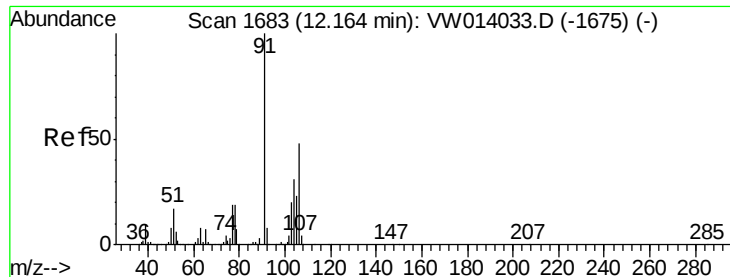
Tot Ion: 91 Resp: 668252
Ion Ratio Lower Upper
91 100
106 30.3 22.3 41.5



#54
m,p-Xylene
Concen: 25.088 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014051.D
Acq: 15 Nov 2019 19:44

Tgt Ion: 106 Resp: 261687
Ion Ratio Lower Upper
106 100
91 196.5 138.7 257.5





#55

o-xylene

Concen: 25.460 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

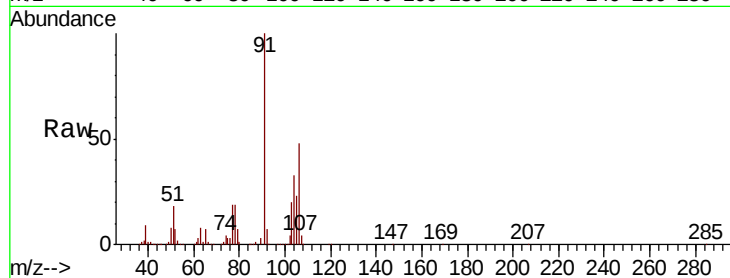
ClientSampleId :

Tot Ion:106 Resp: 248677

Ion Ratio Lower Upper

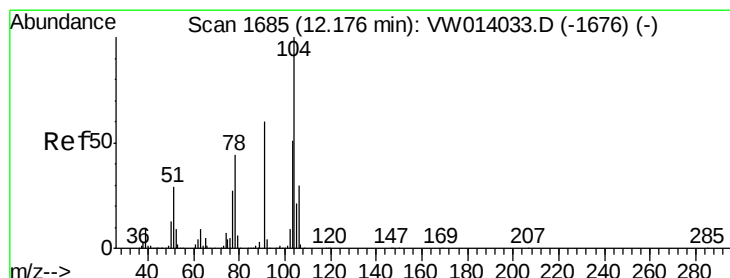
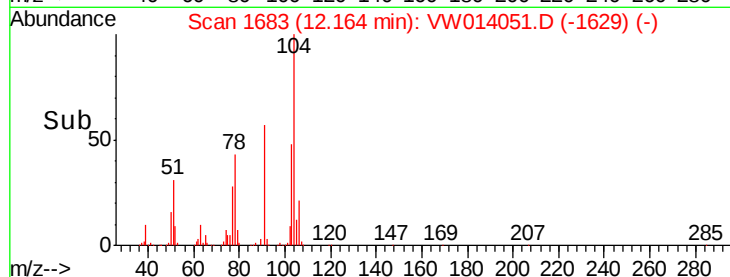
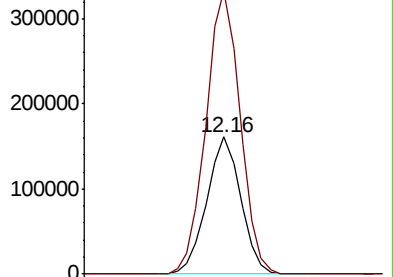
106 100

91 206.8 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.080 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014051.D

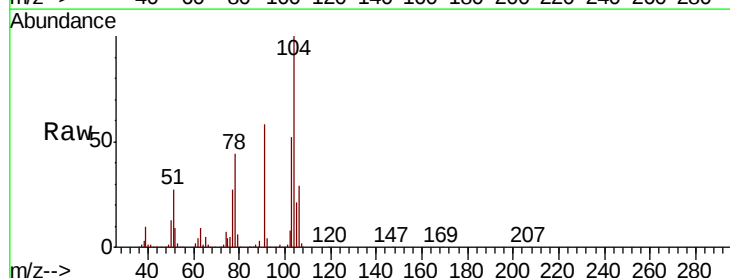
Acq: 15 Nov 2019 19:44

Tgt Ion:104 Resp: 430318

Ion Ratio Lower Upper

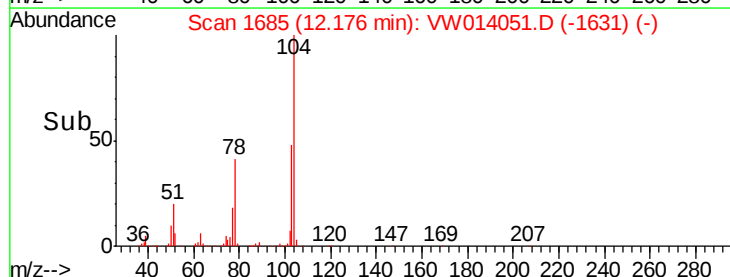
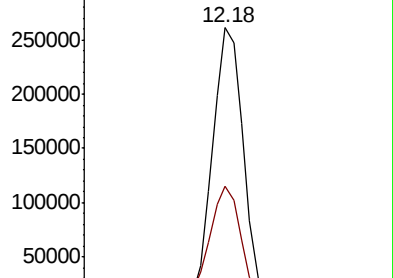
104 100

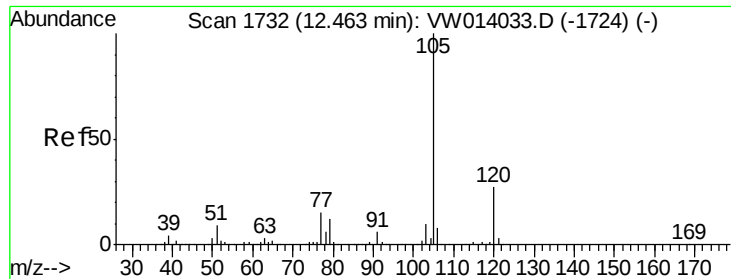
78 44.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.955 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

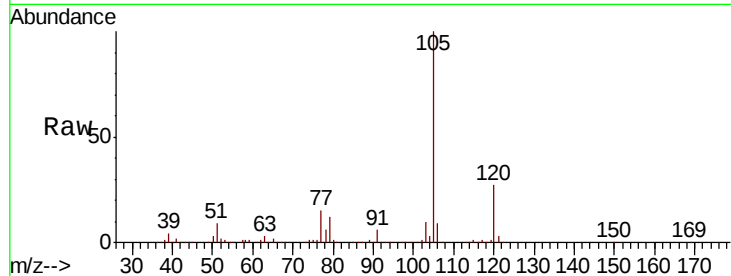
Tot Ion:105 Resp: 670182

Ion Ratio Lower Upper

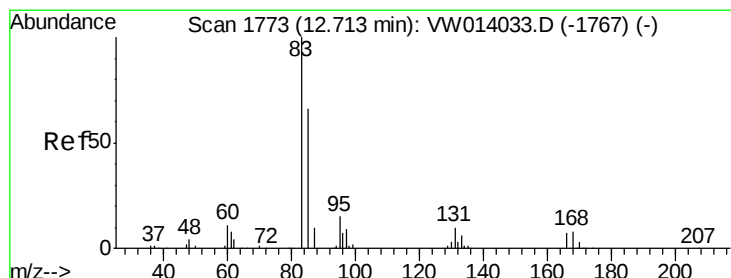
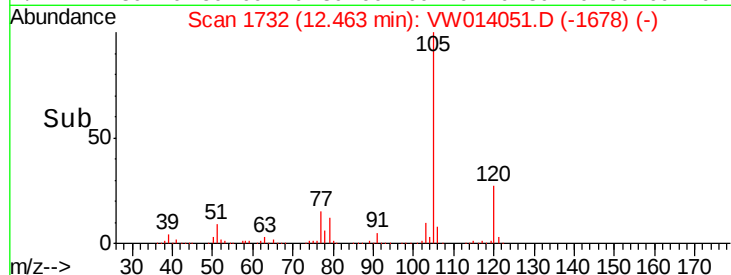
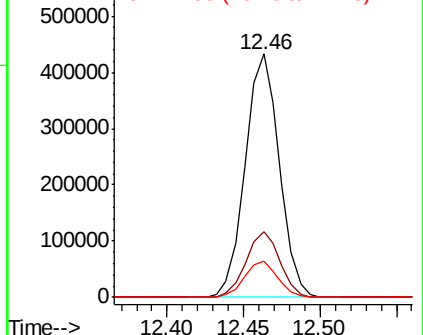
105 100

120 26.7 21.6 32.4

77 14.5 11.6 17.4



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: 26.839 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

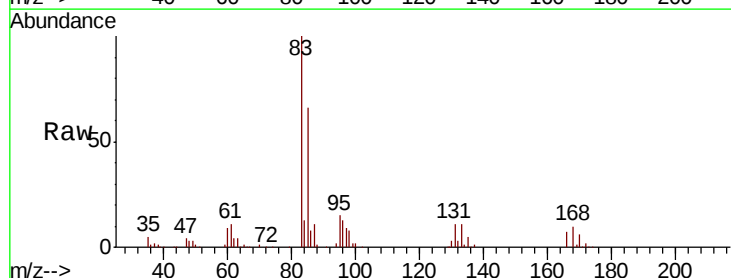
Tgt Ion: 83 Resp: 124334

Ion Ratio Lower Upper

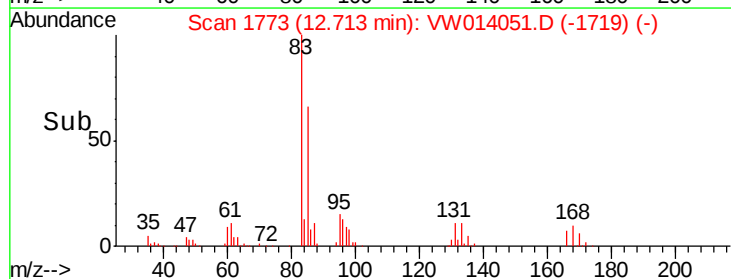
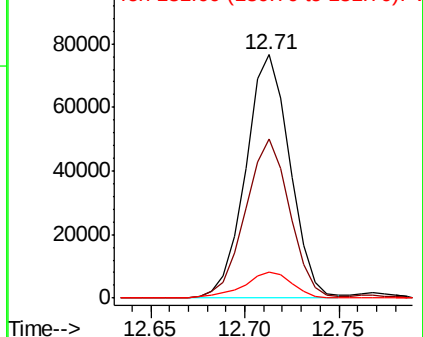
83 100

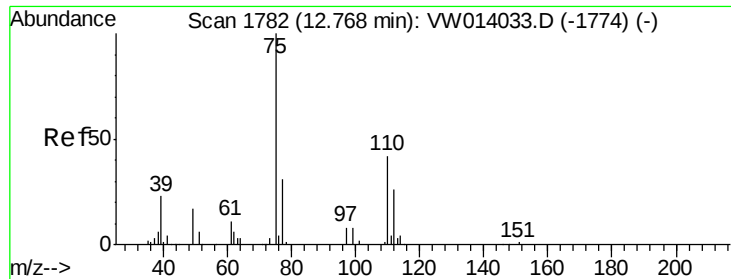
85 65.5 43.7 81.1

131 10.7 8.2 12.2



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





#59

1,2,3-Trichloropropane

Concen: 26.391 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

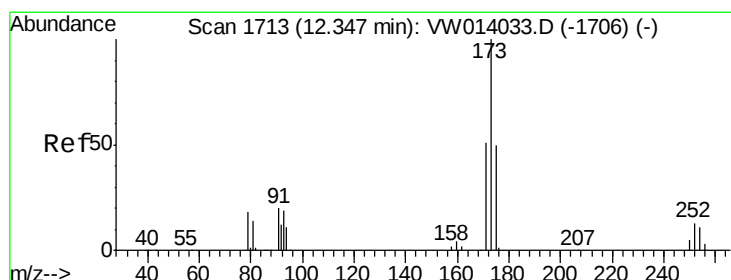
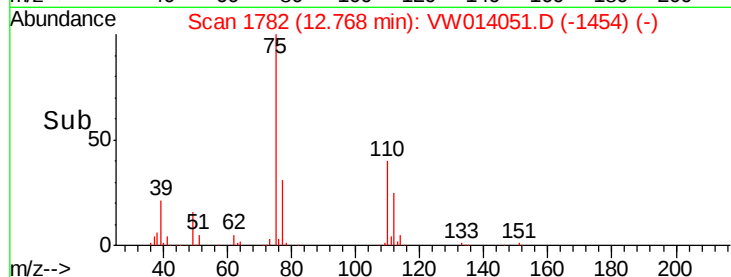
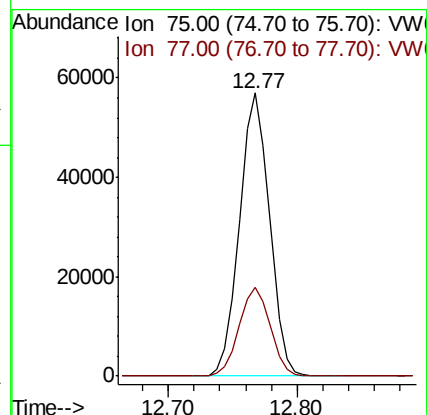
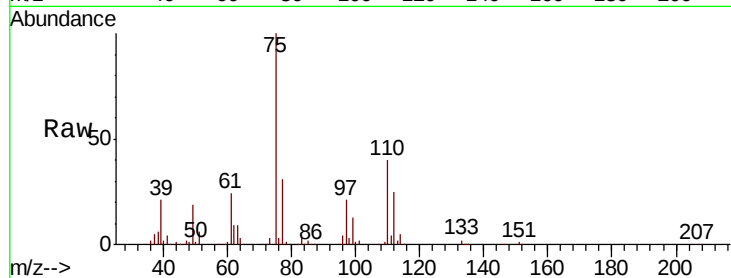
ClientSampleId :

Tot Ion: 75 Resp: 91950

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#62

Bromoform

Concen: 25.677 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

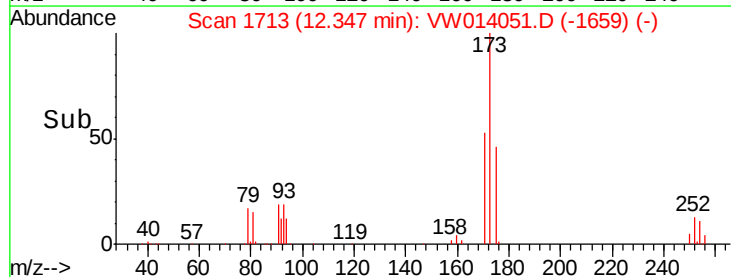
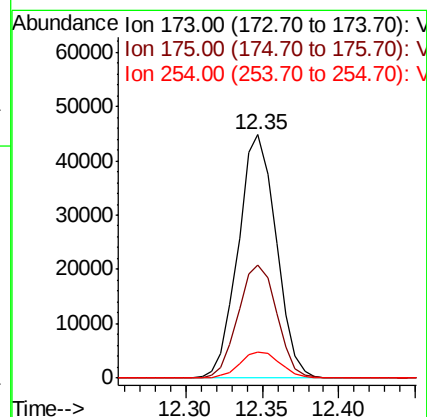
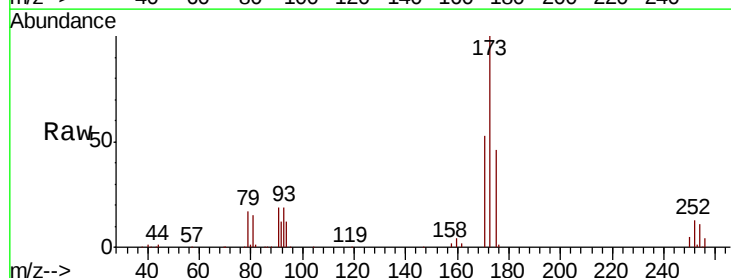
Tgt Ion: 173 Resp: 77210

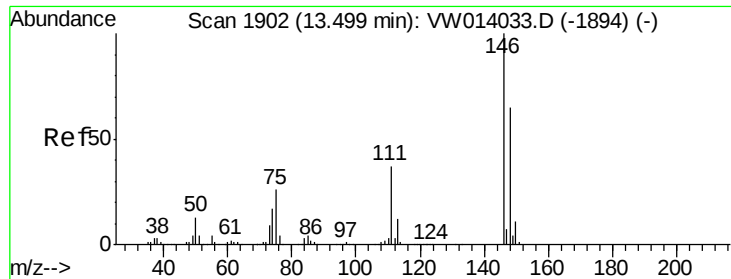
Ion Ratio Lower Upper

173 100

175 47.4 38.8 58.2

254 11.5 9.4 14.0

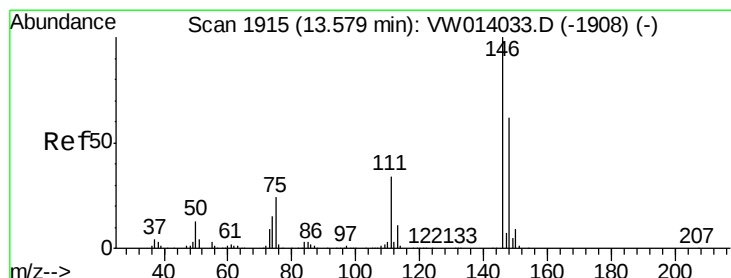
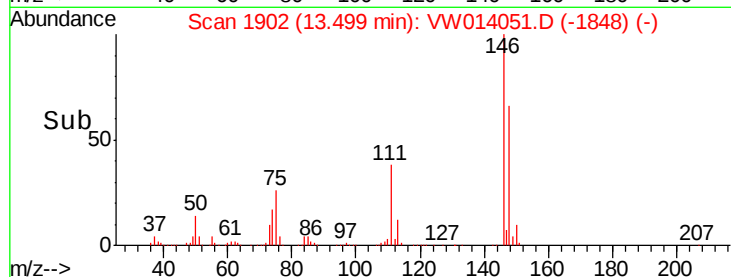
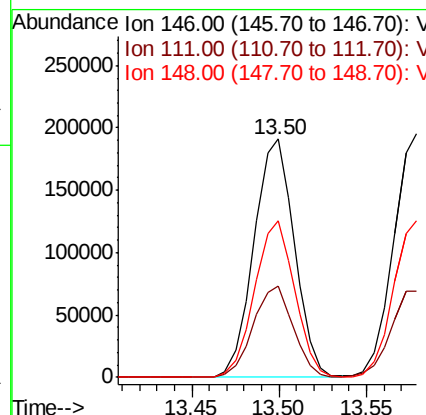
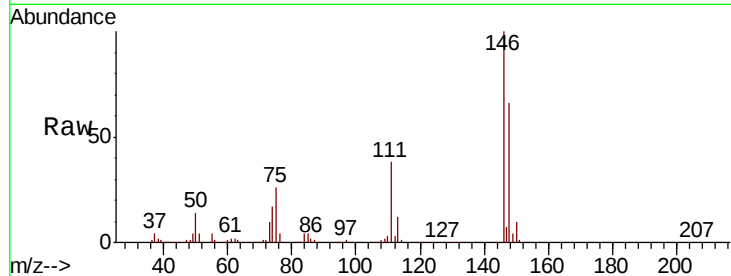




#63
 1,3-Dichlorobenzene
 Concen: 23.920 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

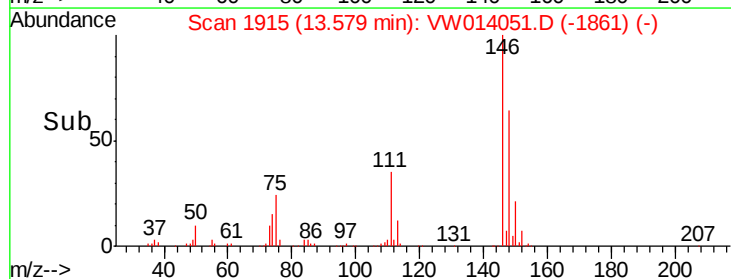
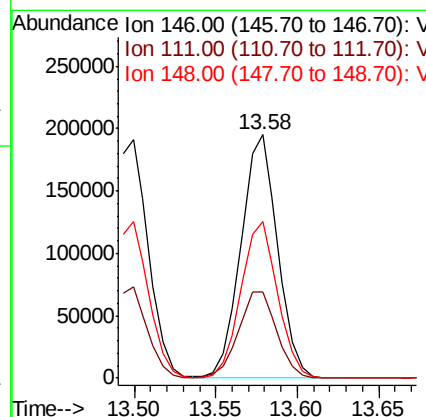
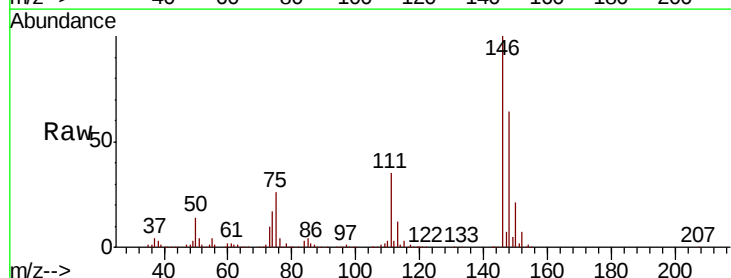
Instrument :
 MSVOA_W
 ClientSampled :

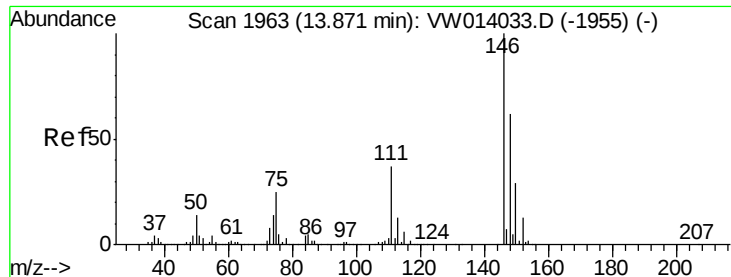
Tot Ion:146 Resp: 308169
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.0 48.2
 148 65.6 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.931 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion:146 Resp: 304621
 Ion Ratio Lower Upper
 146 100
 111 35.2 24.9 46.3
 148 64.1 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 25.056 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampled :

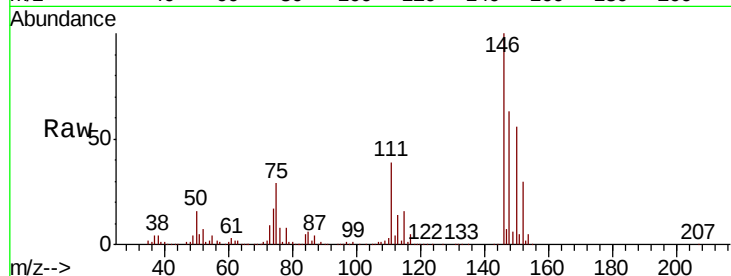
Tot Ion:146 Resp: 285860

Ion Ratio Lower Upper

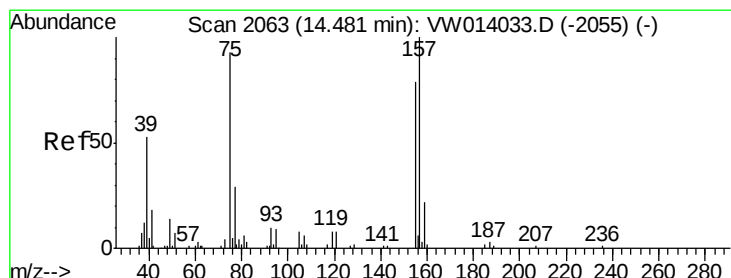
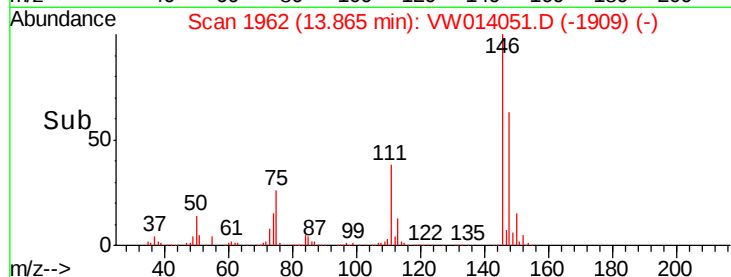
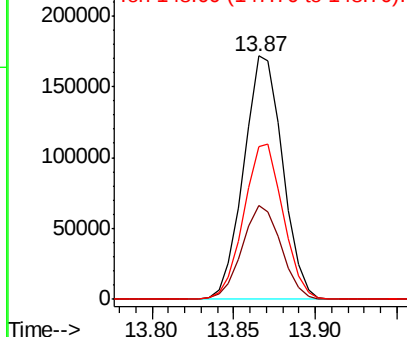
146 100

111 38.7 30.5 45.7

148 63.0 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.255 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

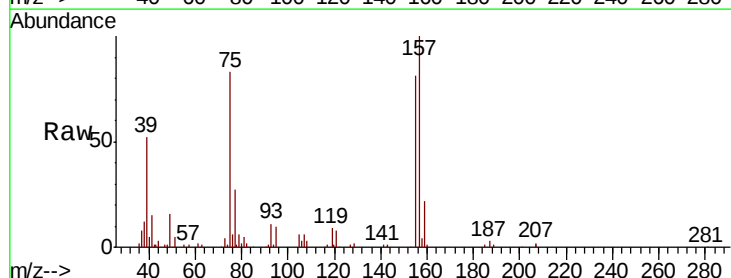
Tgt Ion: 75 Resp: 18845

Ion Ratio Lower Upper

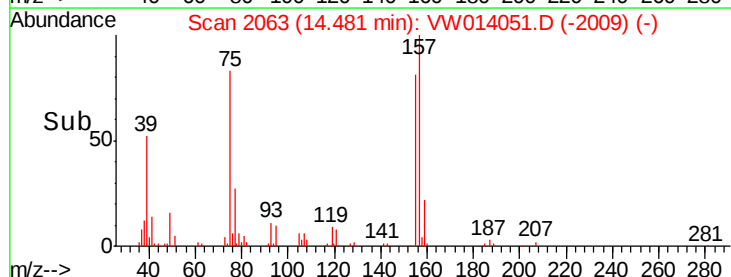
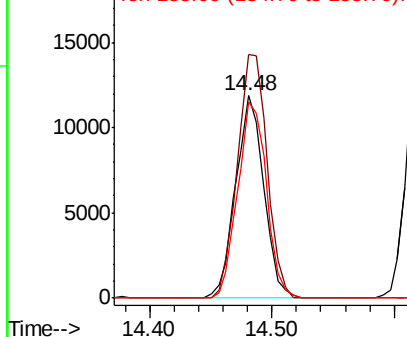
75 100

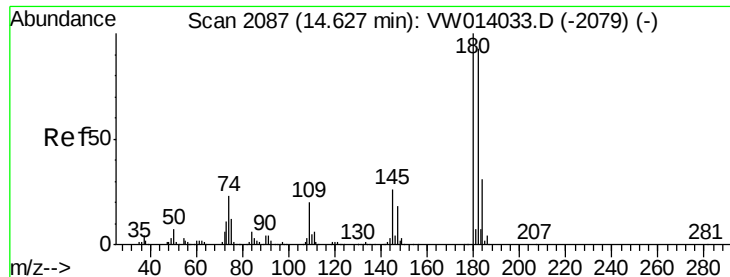
157 120.4 96.9 145.3

155 97.4 82.9 124.3



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

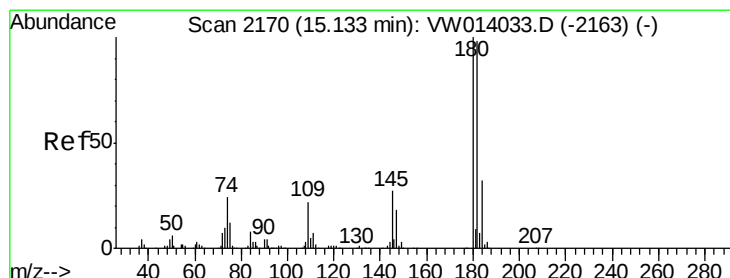
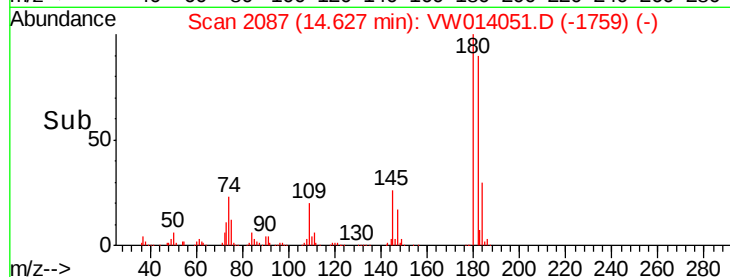
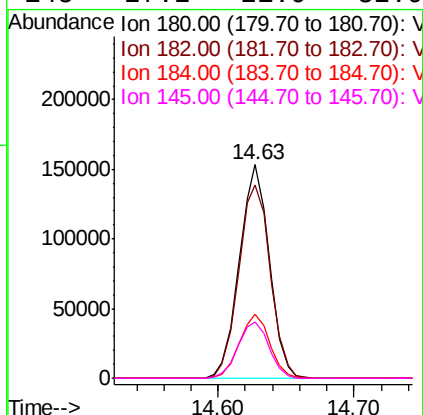
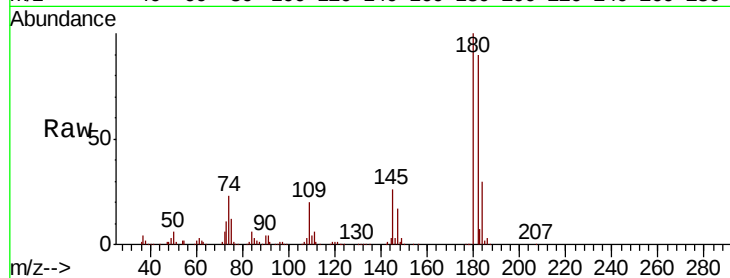




#67
 1,3,5-Trichlorobenzene
 Concen: 24.018 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

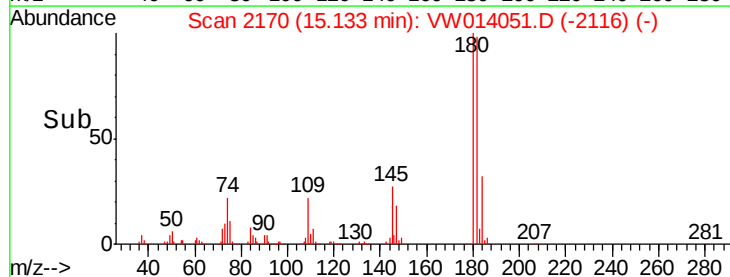
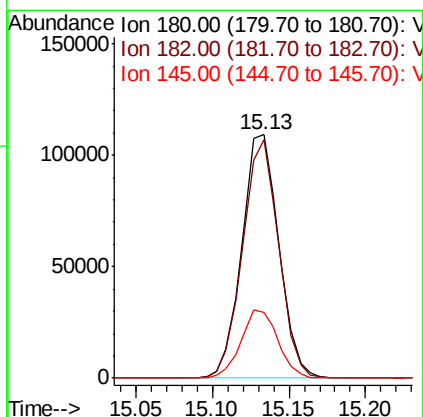
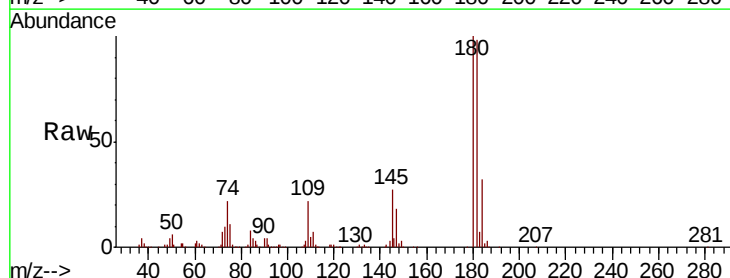
Instrument :
 MSVOA_W
 ClientSampleId :

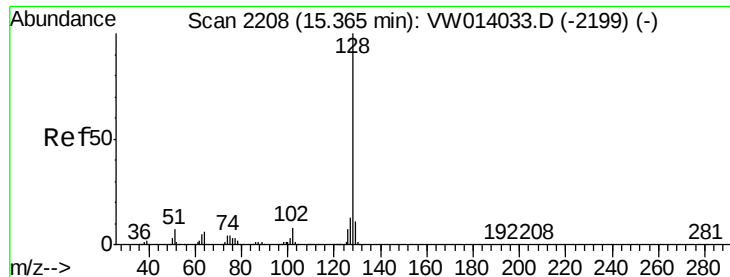
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.4	24.3	36.5
145	27.2	21.9	32.9



#68
 1,2,4-trichlorobenzene
 Concen: 23.821 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014051.D
 Acq: 15 Nov 2019 19:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
145	27.8	22.4	33.6





#69

Naphthalene

Concen: 23.727 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

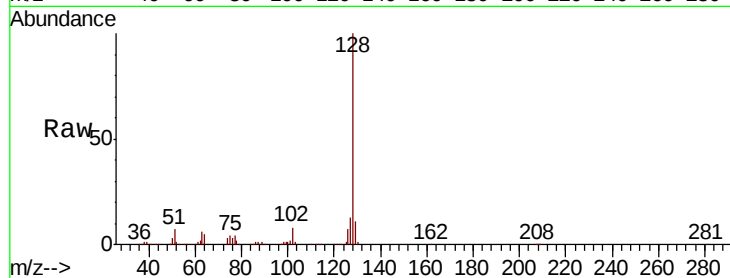
Tot Ion:128 Resp: 325427

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

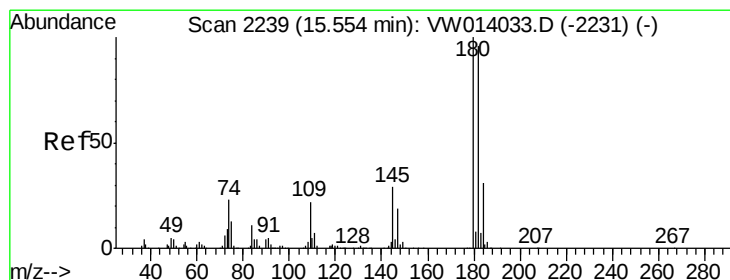
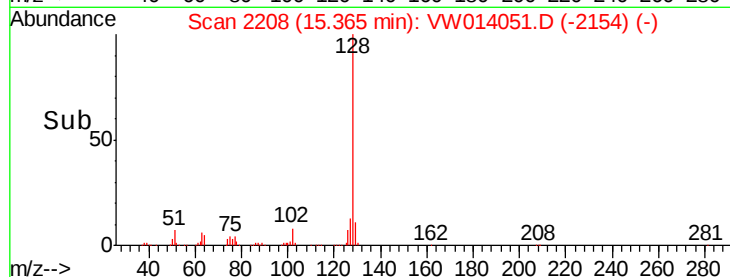
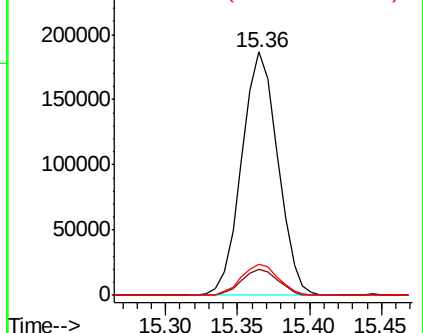
127 13.1 10.4 15.6



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: 24.605 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014051.D

Acq: 15 Nov 2019 19:44

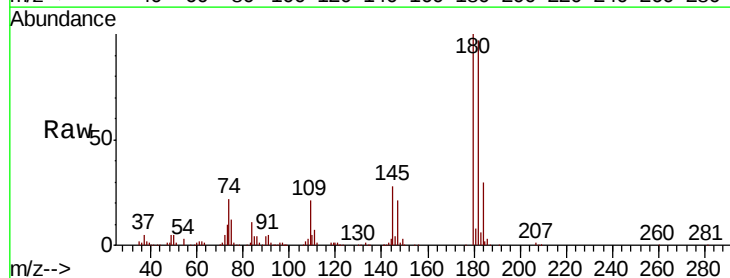
Tgt Ion:180 Resp: 167645

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.6

145 28.9 24.0 36.0



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

