

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072420\
 Data File : VW015937.D
 Acq On : 24 Jul 2020 08:57
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 05:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 06:59:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	517967	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	461145	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	217863	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134927	18.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.84%
7) Chloroethane-d5	2.90	69	123430	20.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.16%
10) 1,1-Dichloroethene-d2	4.01	63	318796	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.28%
20) 2-Butanone-d5	7.08	46	87180	45.41	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.82%
24) Chloroform-d	7.65	84	309981	21.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	8.30	65	163218	20.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.76%
29) Benzene-d6	8.27	84	615648	21.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.72%
33) 1,2-Dichloropropane-d6	9.27	67	184146	21.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.52%
37) Toluene-d8	10.32	98	549176	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.58	79	75069	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.72%
39) 2-Hexanone-d5	10.93	63	65792	46.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141706	21.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	182123	21.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	110650	25.246	ug/L	97
3) Chloromethane	2.21	50	137114	25.866	ug/L	99
5) Vinyl chloride	2.37	62	198080	24.227	ug/L	99
6) Bromomethane	2.79	94	116353	23.855	ug/L	100
8) Chloroethane	2.93	64	119686	24.989	ug/L	97
9) Trichlorofluoromethane	3.26	101	155746	28.340	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	170379	25.362	ug/L	99
12) 1,1-Dichloroethene	4.04	96	172716	25.940	ug/L	89
13) Acetone	4.12	43	83174	51.587	ug/L	97
14) Carbon disulfide	4.38	76	511684	24.333	ug/L	100
15) Methyl Acetate	4.67	43	73202	24.079	ug/L #	79
16) Methylene chloride	4.92	84	181718	21.410	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	253317	26.904	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	177515	25.247	ug/L	99
19) 1,1-Dichloroethane	6.21	63	325585	25.128	ug/L	99
21) 2-Butanone	7.17	43	100191	50.252	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	188540	25.630	ug/L	97

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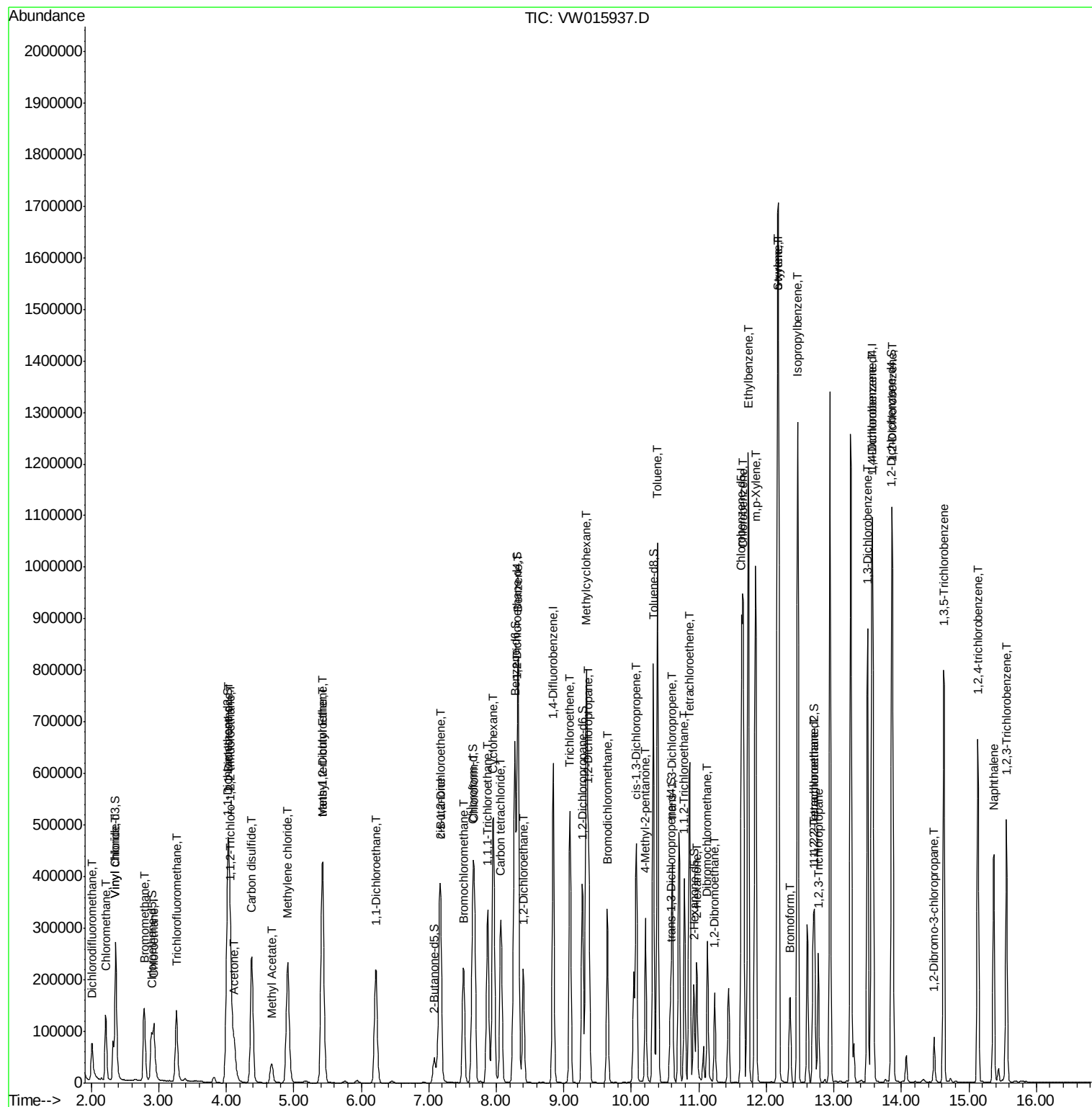
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80923	25.086	ug/L	95
25) Chloroform	7.68	83	318686	24.817	ug/L	100
27) 1,2-Dichloroethane	8.40	62	204129	23.361	ug/L	96
30) Cyclohexane	7.96	56	304246	26.166	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	270711	25.141	ug/L	99
32) Carbon tetrachloride	8.07	117	243041	24.891	ug/L	99
34) Benzene	8.32	78	728781	26.020	ug/L	100
35) Trichloroethene	9.09	95	187480	25.304	ug/L	98
36) Methylcyclohexane	9.34	83	332222	26.132	ug/L	99
40) 1,2-Dichloropropane	9.37	63	178582	25.738	ug/L	100
41) Bromodichloromethane	9.65	83	225179	25.130	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	272989	25.833	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	202733	50.059	ug/L	98
44) Toluene	10.39	91	766743	26.102	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	234815	25.636	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	127666	25.587	ug/L	100
47) Tetrachloroethene	10.86	164	144551	25.135	ug/L	90
49) 2-Hexanone	10.97	43	146379	50.933	ug/L	98
50) Dibromochloromethane	11.13	129	144267	24.975	ug/L	97
51) 1,2-Dibromoethane	11.24	107	119919	25.124	ug/L	99
52) Chlorobenzene	11.66	112	477883	25.388	ug/L	99
53) Ethylbenzene	11.73	91	865387	26.198	ug/L	97
54) m,p-Xylene	11.84	106	321435	26.010	ug/L	98
55) o-xylene	12.17	106	309862	26.627	ug/L	99
56) Styrene	12.18	104	531951	26.880	ug/L	99
57) Isopropylbenzene	12.46	105	841984	26.579	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	144667	24.692	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	107945	24.590	ug/L	99
62) Bromoform	12.35	173	78773	24.579	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	359473	25.781	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	350711	24.783	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	321749	25.404	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22917	24.040	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	255850	26.096	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	211077	27.105	ug/L	97
69) Naphthalene	15.37	128	381676	26.015	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	175746	25.328	ug/L	96

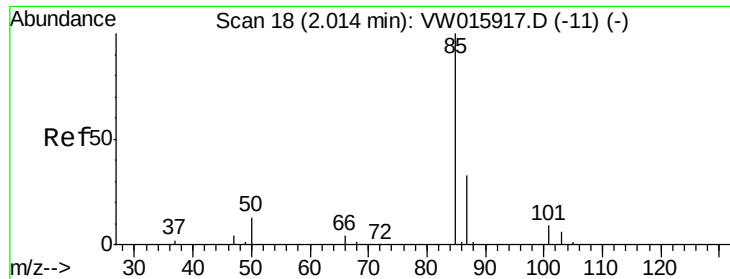
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.246 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

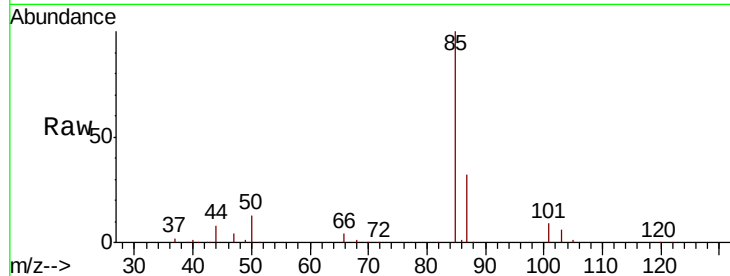
ClientSampleId :

Tot Ion: 85 Resp: 110650

Ion Ratio Lower Upper

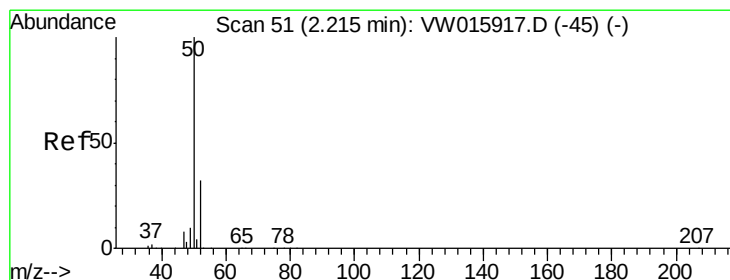
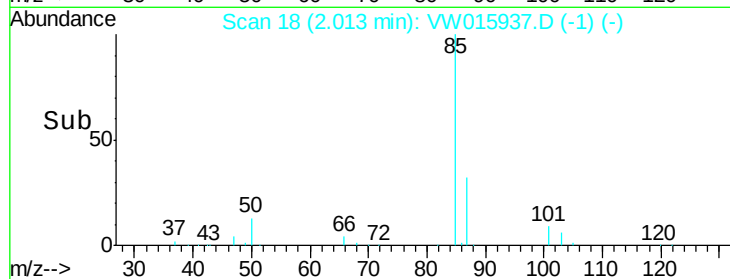
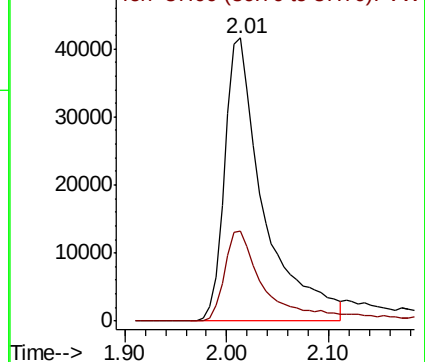
85 100

87 31.9 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.866 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015937.D

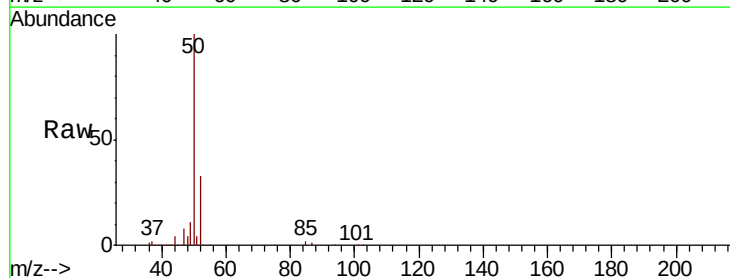
Acq: 24 Jul 2020 08:57

Tgt Ion: 50 Resp: 137114

Ion Ratio Lower Upper

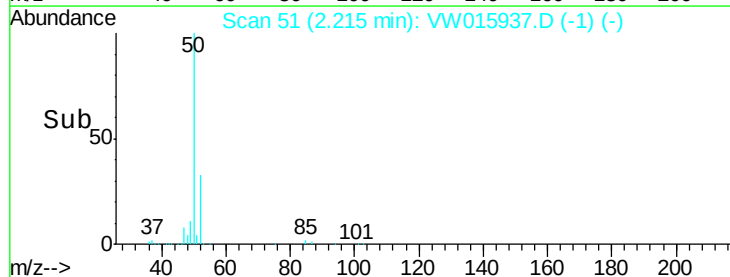
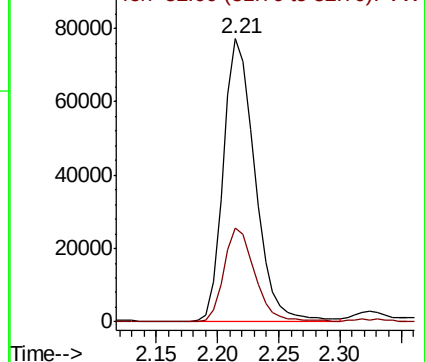
50 100

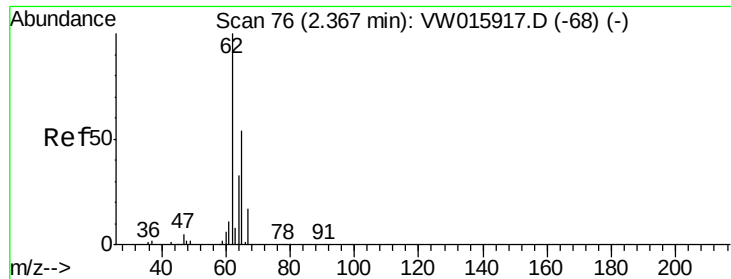
52 33.1 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.227 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

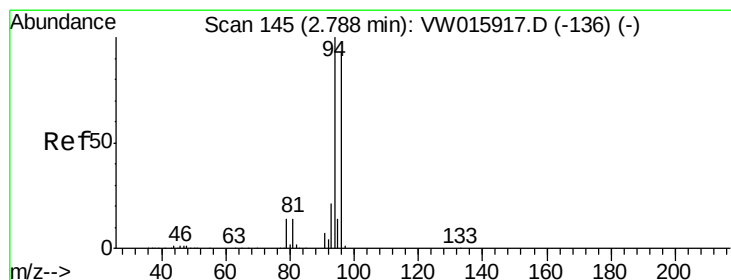
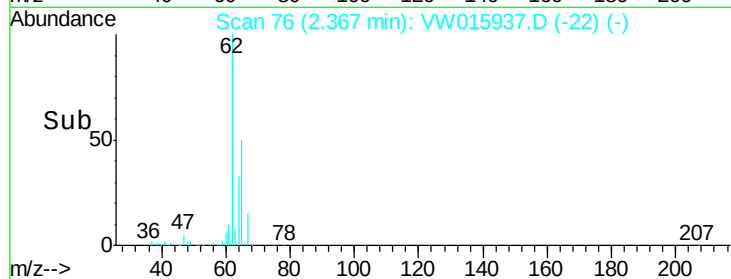
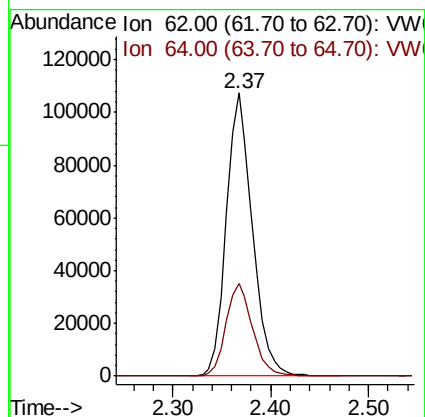
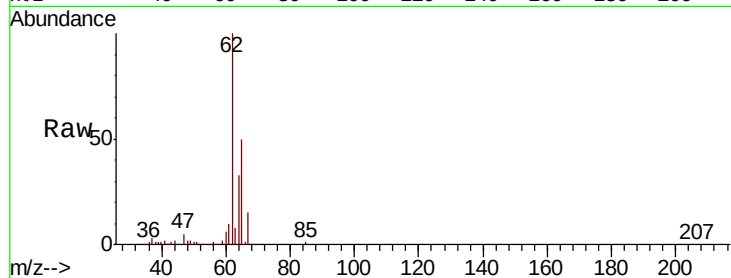
ClientSampleId :

Tot Ion: 62 Resp: 198080

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



#6

Bromomethane

Concen: 23.855 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015937.D

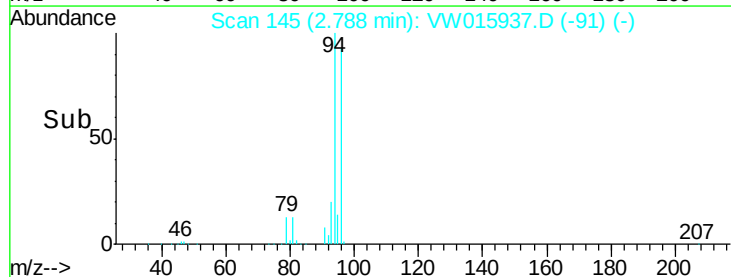
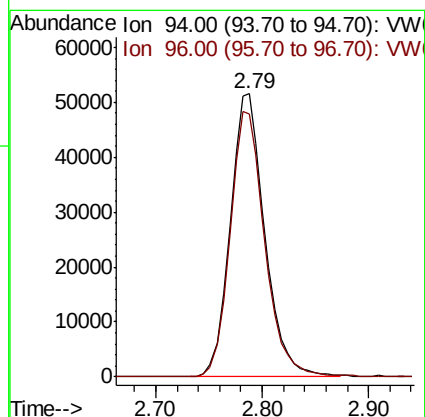
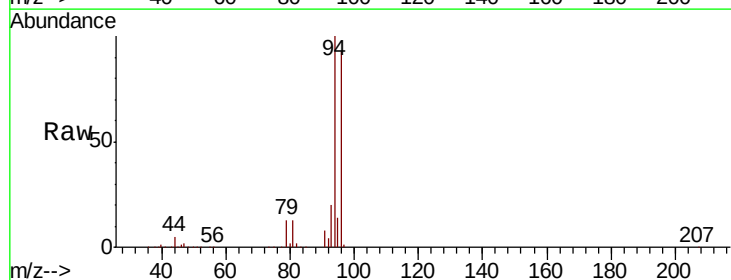
Acq: 24 Jul 2020 08:57

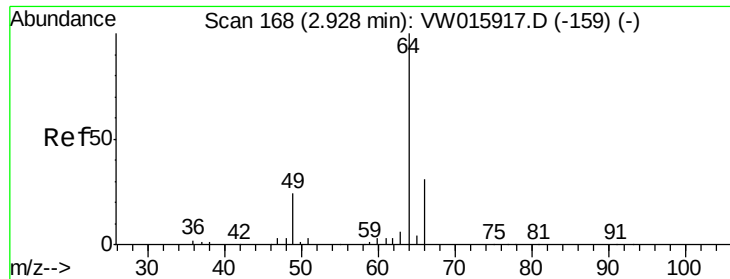
Tgt Ion: 94 Resp: 116353

Ion Ratio Lower Upper

94 100

96 94.5 9.5 180.1





#8

Chloroethane

Concen: 24.989 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

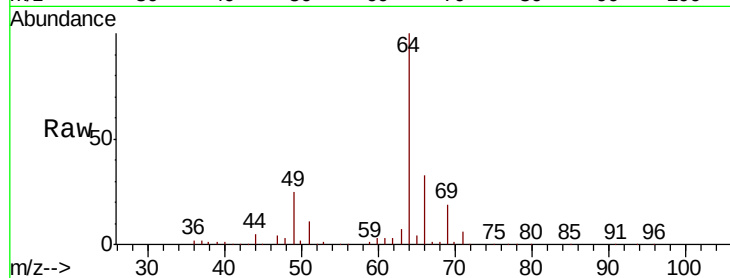
ClientSampleId :

Tot Ion: 64 Resp: 119686

Ion Ratio Lower Upper

64 100

66 32.8 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

50000

40000

30000

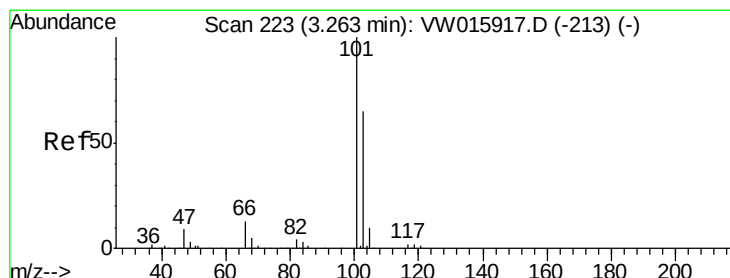
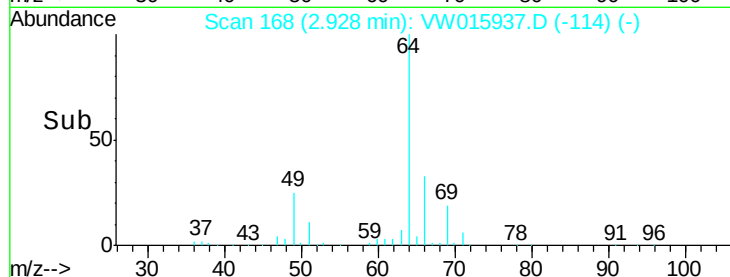
20000

10000

0

Time-->

2.80 2.90 3.00



#9

Trichlorofluoromethane

Concen: 28.340 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015937.D

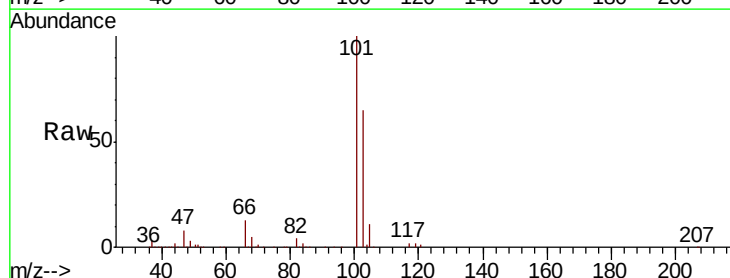
Acq: 24 Jul 2020 08:57

Tgt Ion: 101 Resp: 155746

Ion Ratio Lower Upper

101 100

103 64.6 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

60000

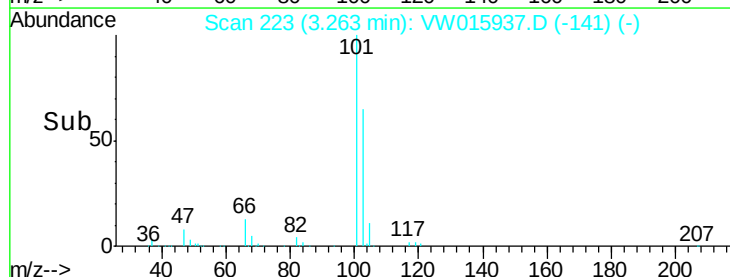
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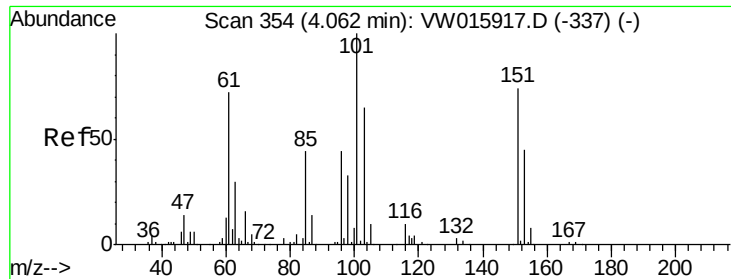
20000

0

Time-->

3.20 3.30 3.40





#11

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

Concen: 25.362 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

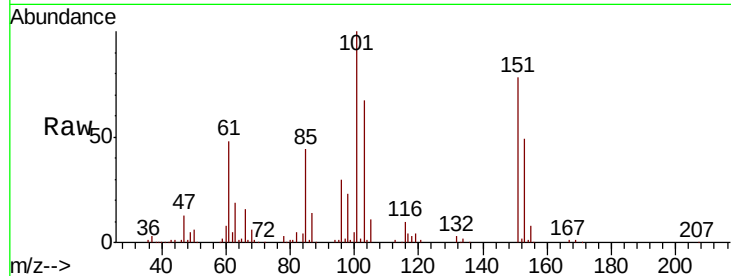
Tot Ion:101 Resp: 170379

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

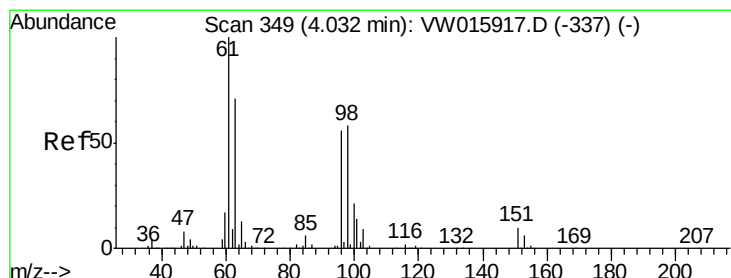
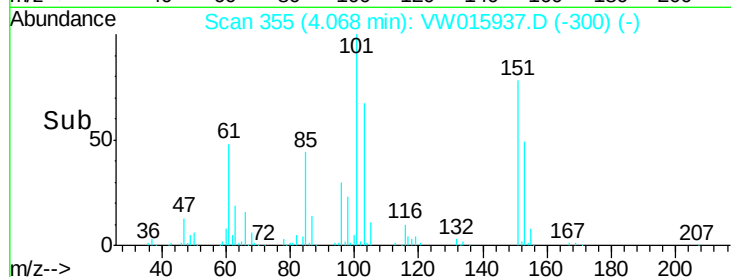
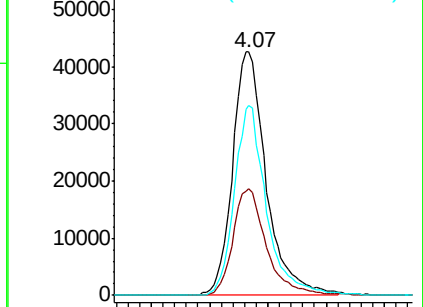
151 73.9 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.940 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

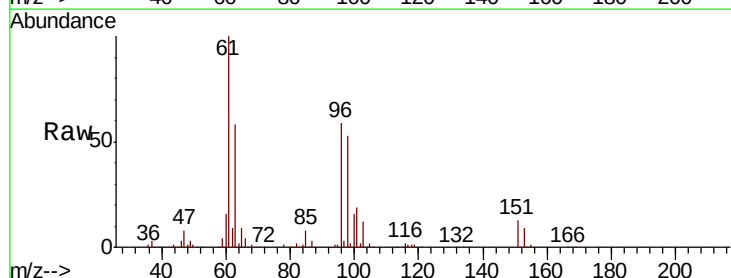
Tgt Ion: 96 Resp: 172716

Ion Ratio Lower Upper

96 100

61 169.8 125.0 232.2

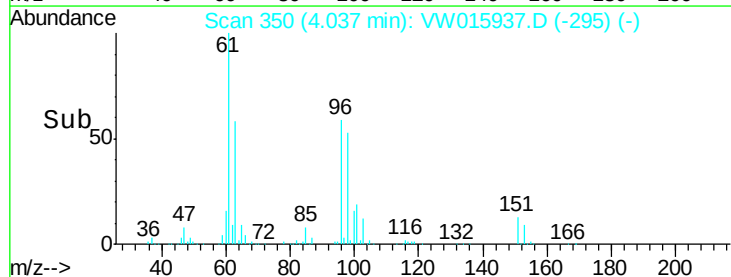
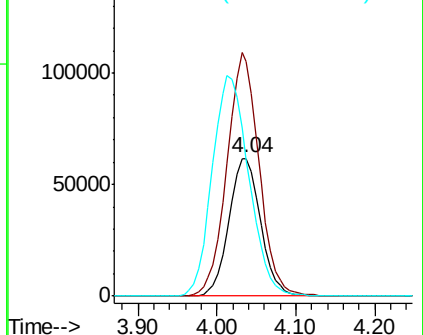
63 98.3 82.3 152.8

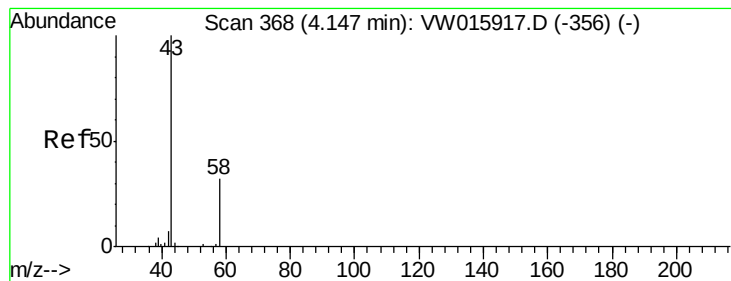


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.587 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW015937.D

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MSVOA_W

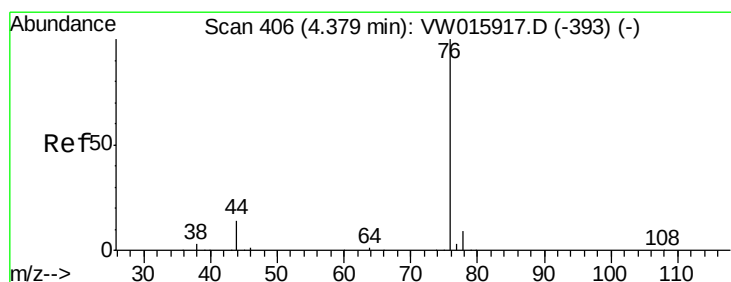
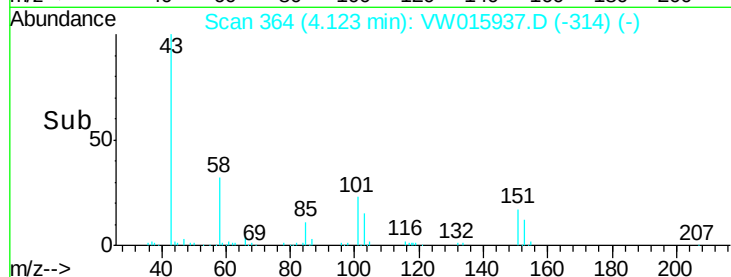
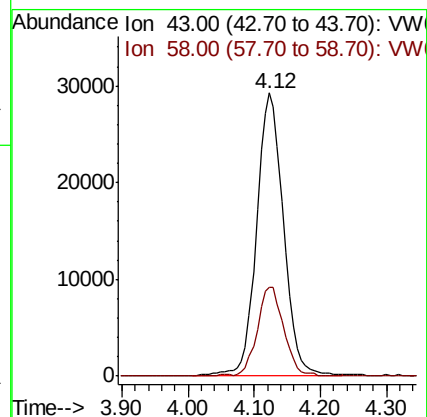
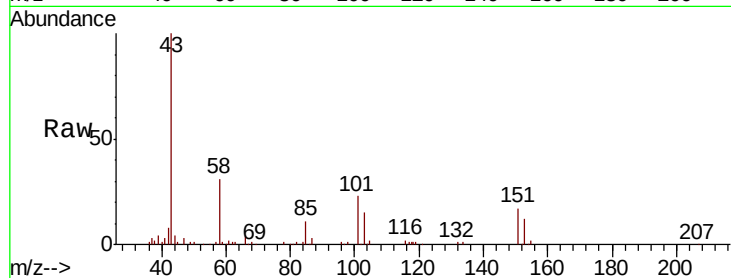
ClientSampleId :

Tot Ion: 43 Resp: 83174

Ion Ratio Lower Upper

43 100

58 30.8 0.0 58.2



#14

Carbon disulfide

Concen: 24.333 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

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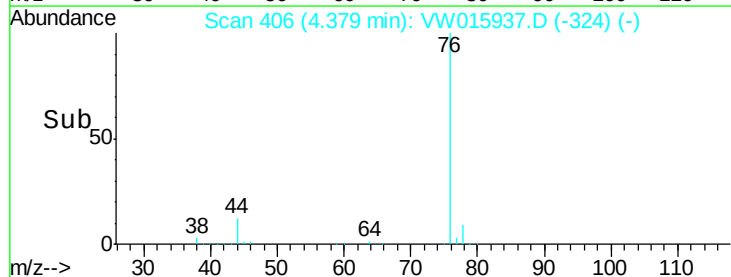
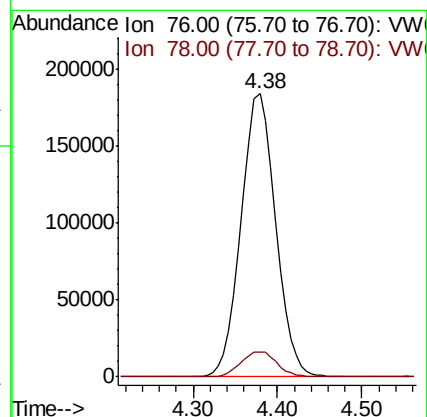
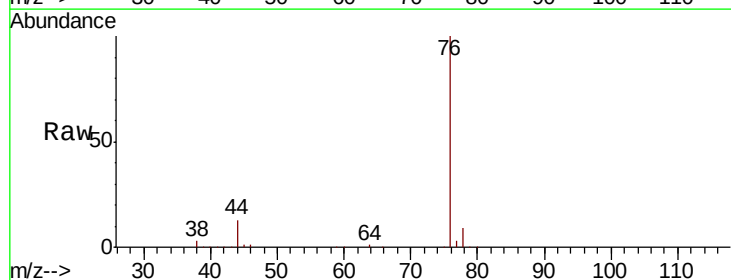
Acq: 24 Jul 2020 08:57

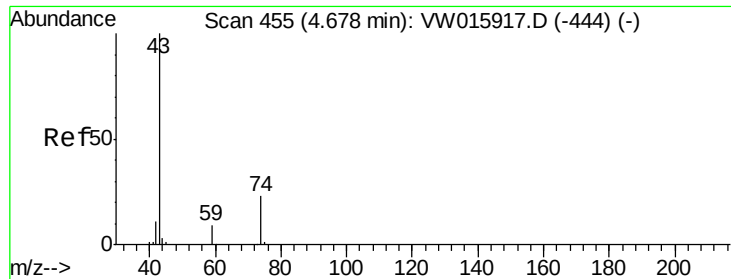
Tgt Ion: 76 Resp: 511684

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

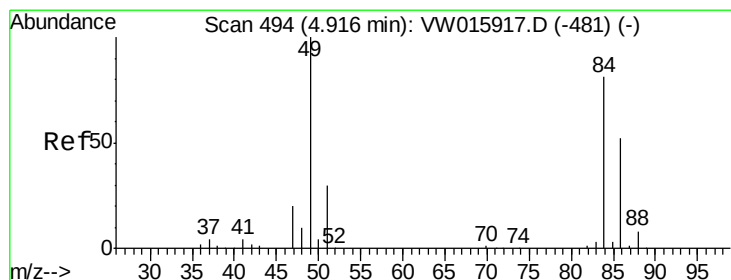
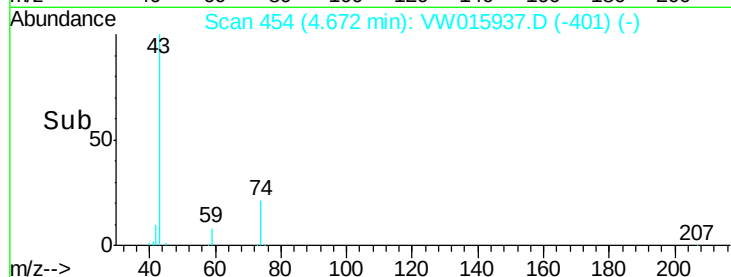
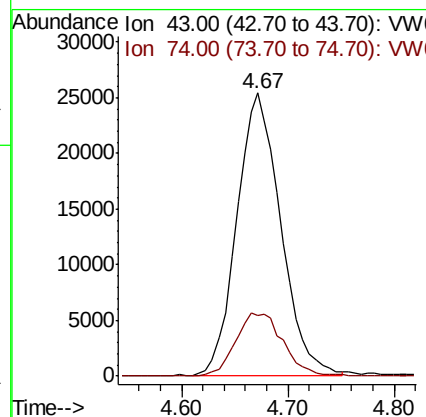
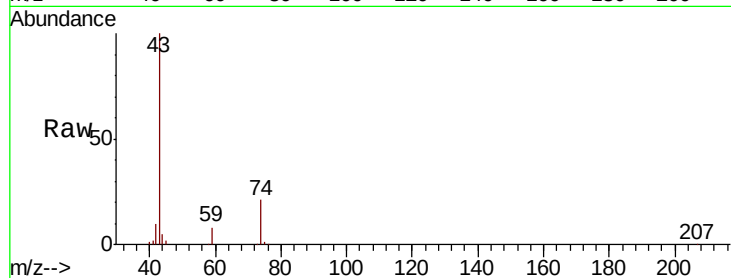




#15
Methvl Acetate
Concen: 24.079 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

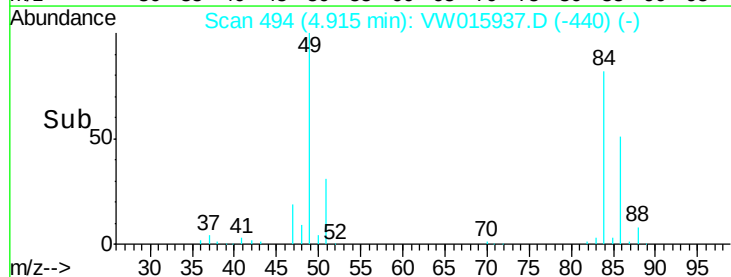
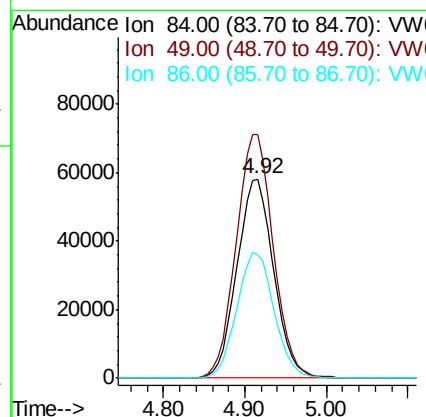
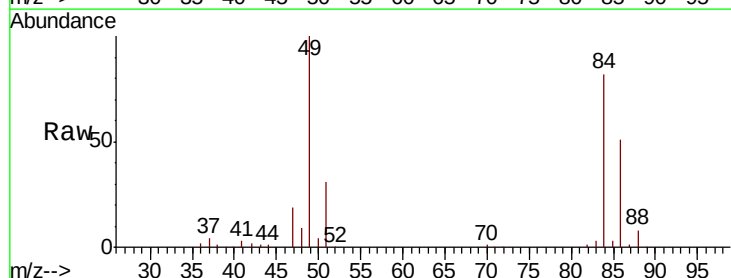
Instrument :
MSVOA_W
ClientSampleId :

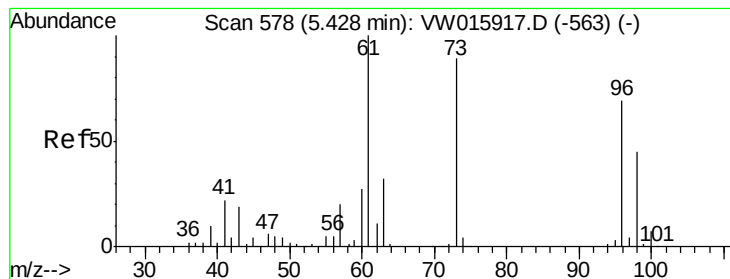
Tot Ion: 43 Resp: 73202
Ion Ratio Lower Upper
43 100
74 12.4 18.2 27.2#



#16
Methylene chloride
Concen: 21.410 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

Tgt Ion: 84 Resp: 181718
Ion Ratio Lower Upper
84 100
49 122.3 91.1 169.1
86 61.9 46.0 85.4



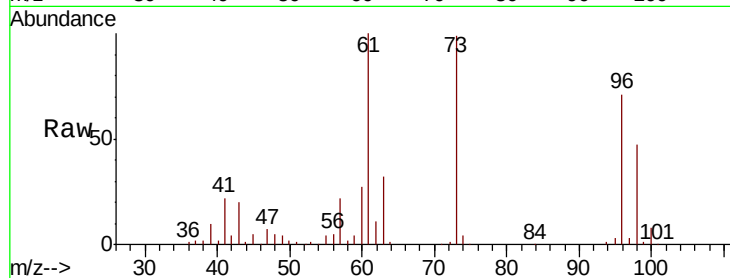


#17

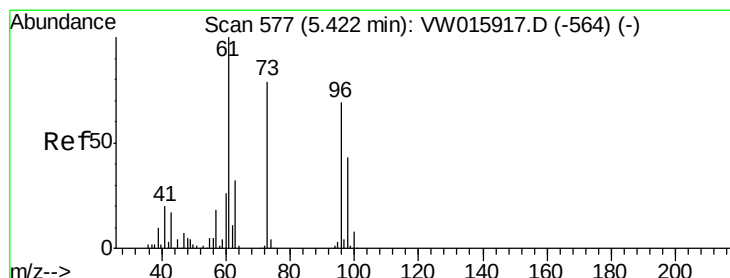
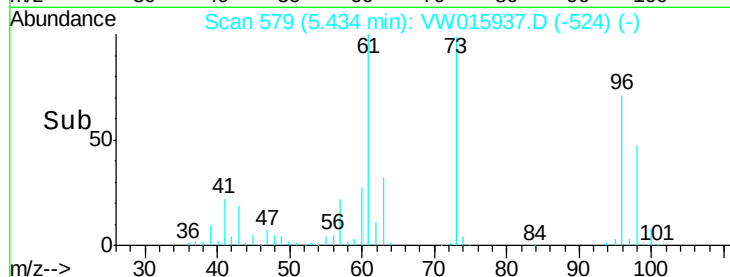
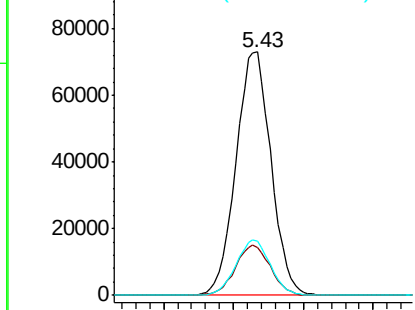
Methyl tert-butyl Ether
 Concen: 26.904 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	18.4	27.6
57	22.2	17.8	26.8



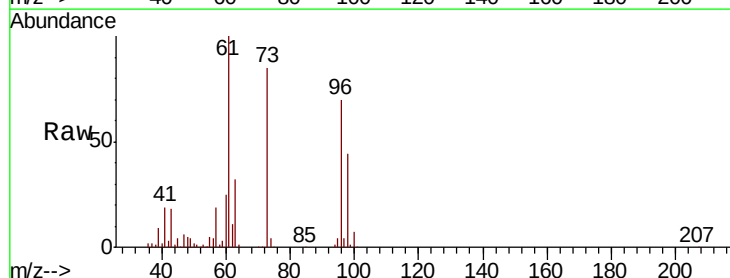
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



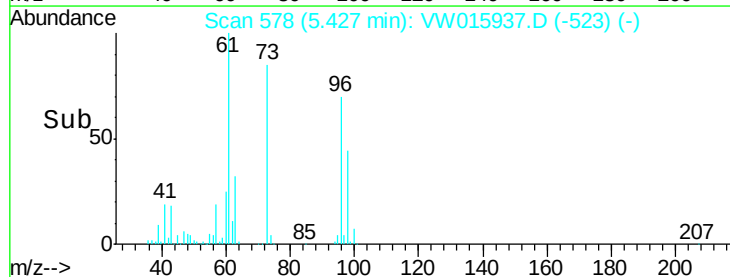
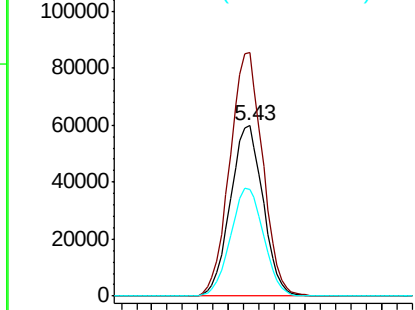
#18

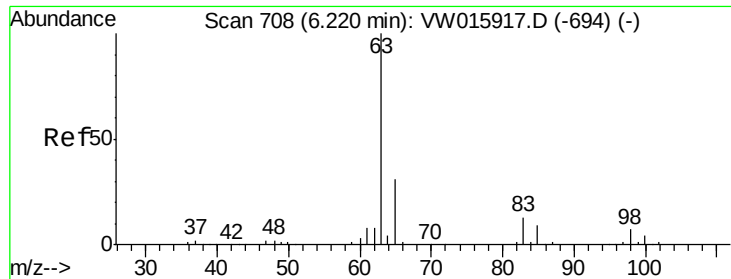
trans-1,2-Dichloroethene
 Concen: 25.247 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.8	99.3	184.5
98	62.6	42.9	79.7



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

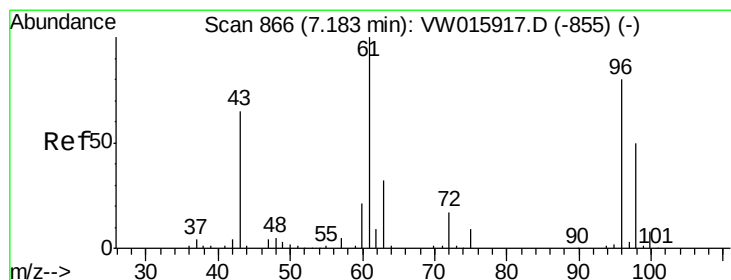
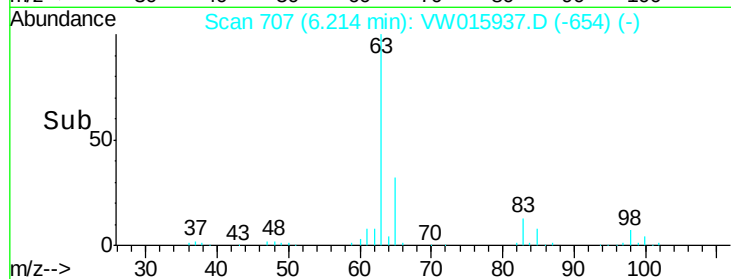
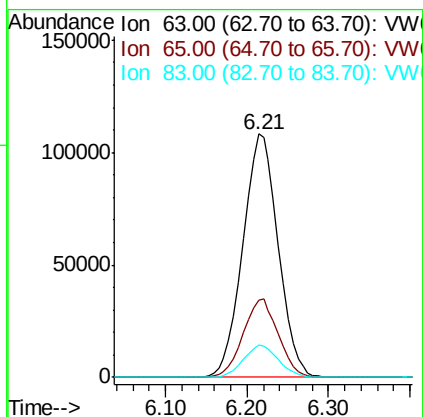
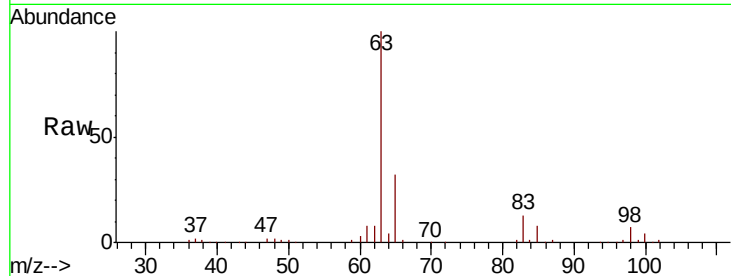




#19
 1,1-Dichloroethane
 Concen: 25.128 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

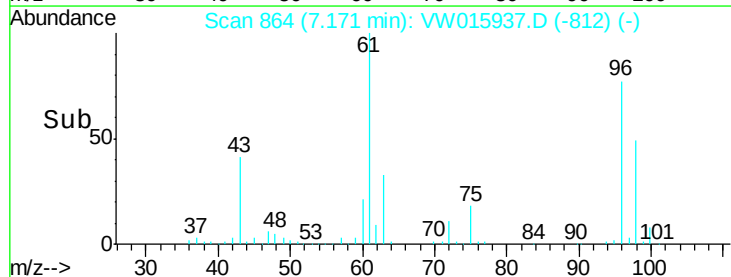
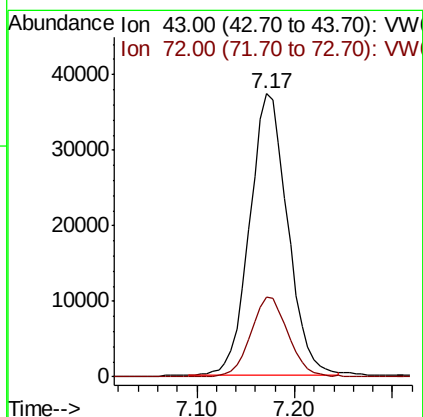
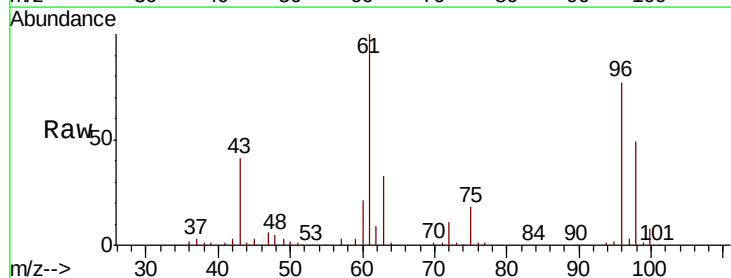
Instrument :
 MSVOA_W
 ClientSampled :

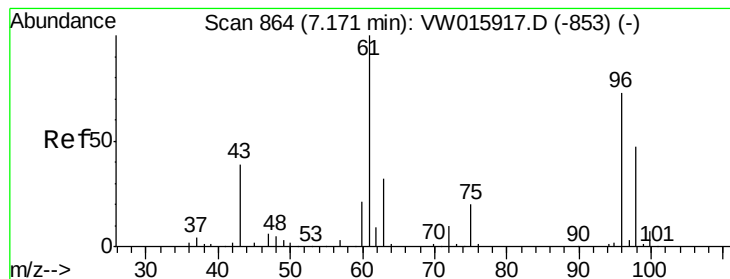
Tot Ion: 63 Resp: 325585
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.1 9.8 18.2



#21
 2-Butanone
 Concen: 50.252 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

Tgt Ion: 43 Resp: 100191
 Ion Ratio Lower Upper
 43 100
 72 28.1 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 25.630 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

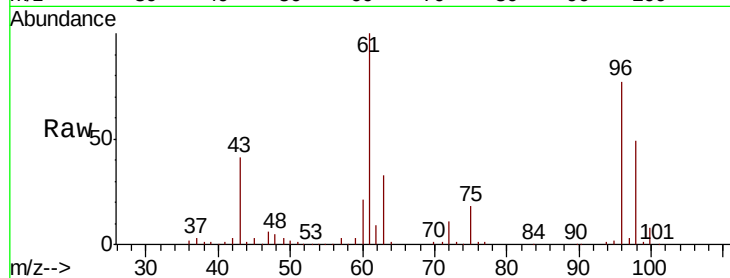
Tot Ion: 96 Resp: 188540

Ion Ratio Lower Upper

96 100

61 130.5 94.6 175.8

98 63.4 44.3 82.3

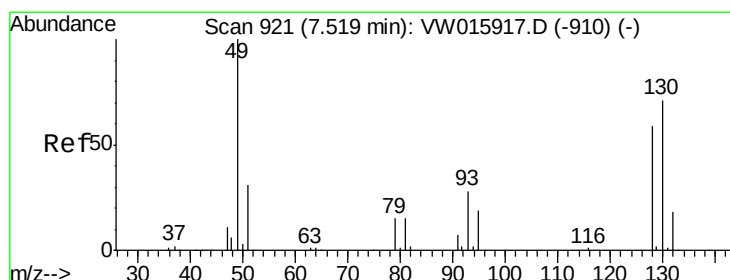
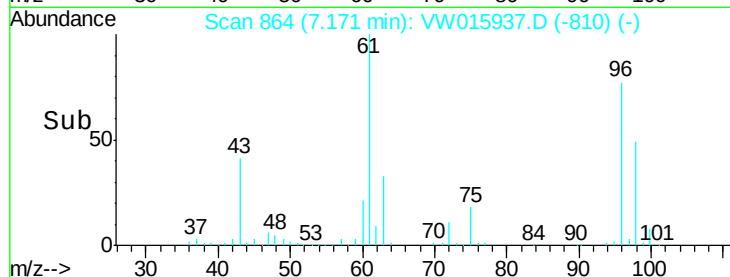
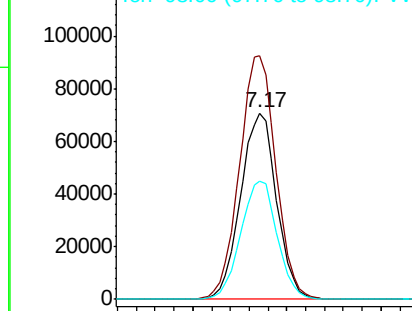


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 25.086 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Tgt Ion: 128 Resp: 80923

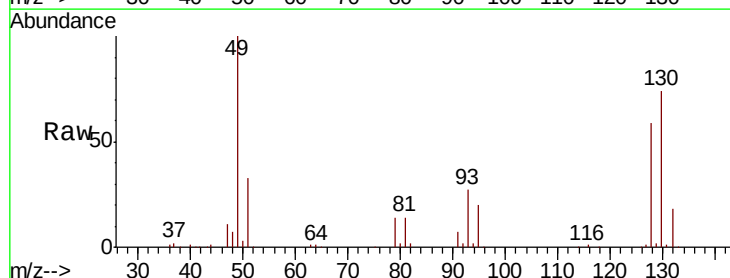
Ion Ratio Lower Upper

128 100

49 169.2 122.4 227.2

130 124.9 93.9 174.5

51 56.0 43.2 64.8



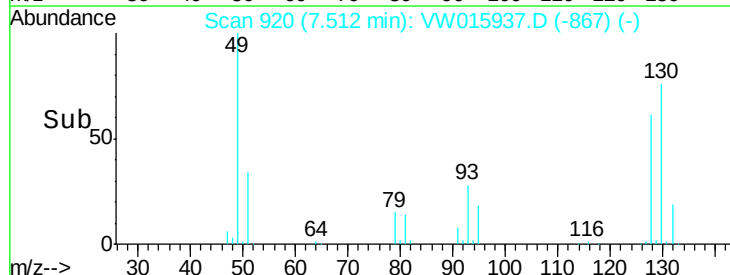
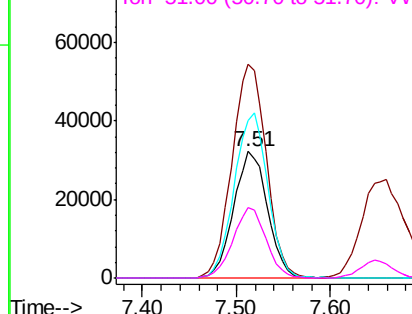
Abundance

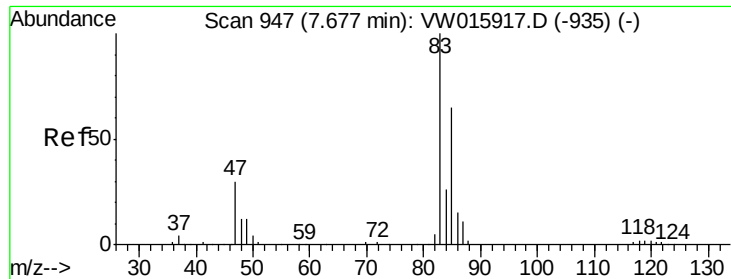
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

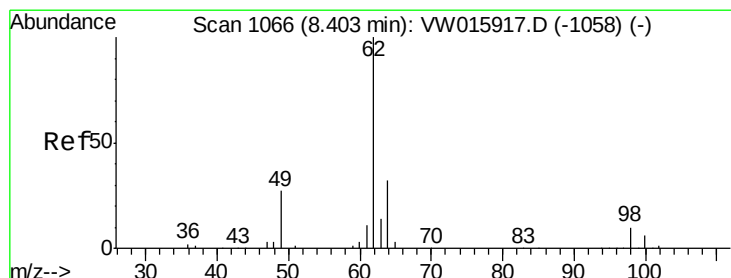
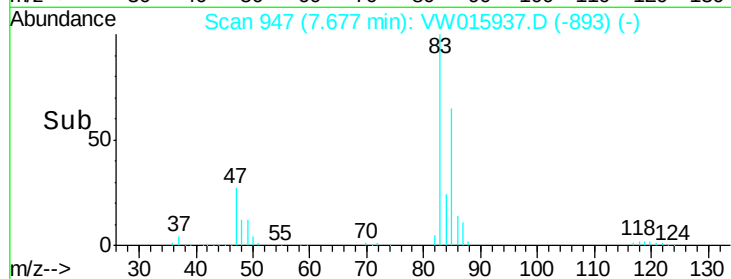
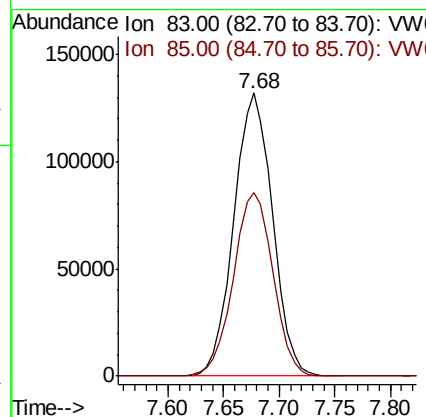
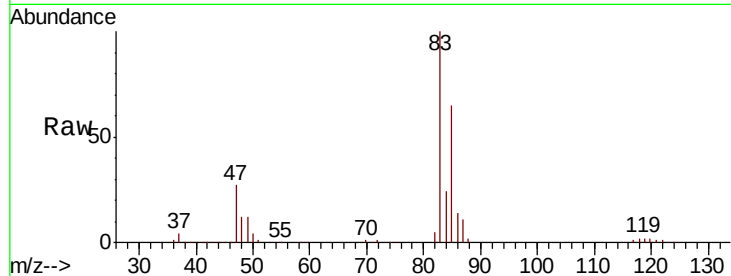




#25
Chloroform
Concen: 24.817 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

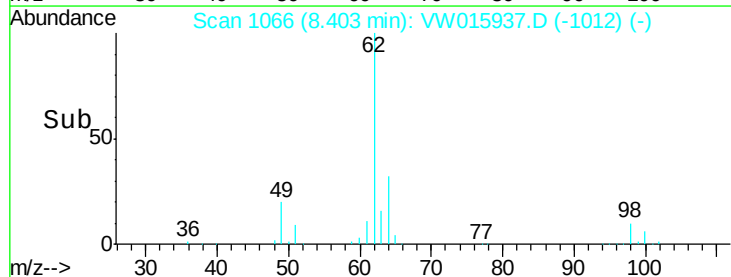
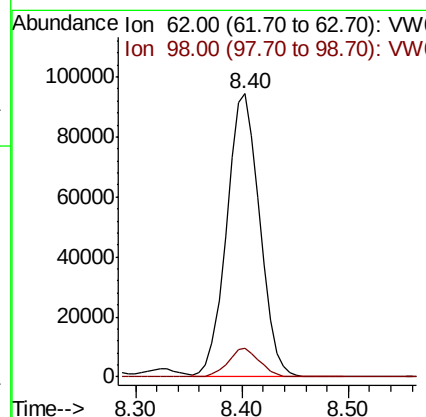
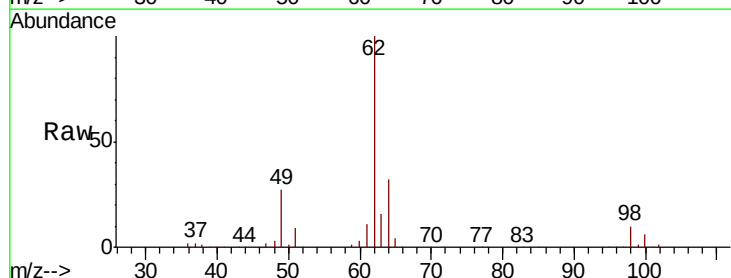
Instrument :
MSVOA_W
ClientSampleId :

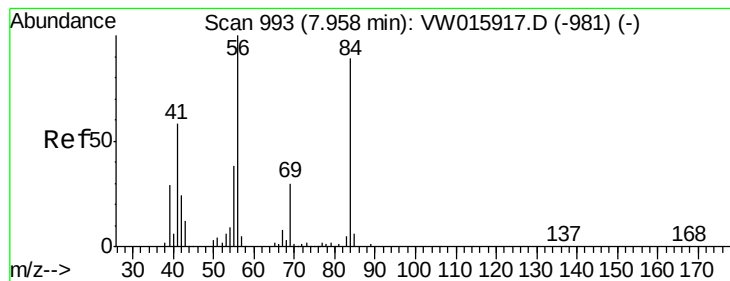
Tot Ion: 83 Resp: 318686
Ion Ratio Lower Upper
83 100
85 66.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 23.361 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

Tgt Ion: 62 Resp: 204129
Ion Ratio Lower Upper
62 100
98 10.3 7.0 10.6





#30

Cyclohexane

Concen: 26.166 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

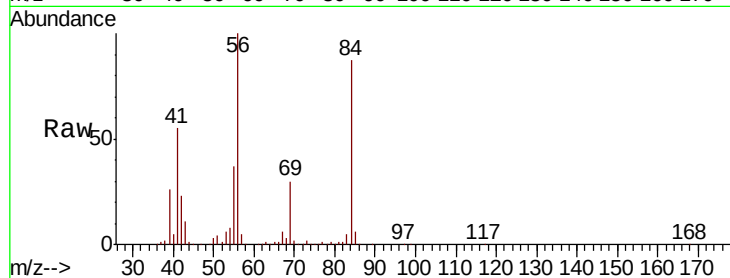
Tot Ion: 56 Resp: 304246

Ion Ratio Lower Upper

56 100

69 30.7 24.4 36.6

84 87.4 69.3 103.9

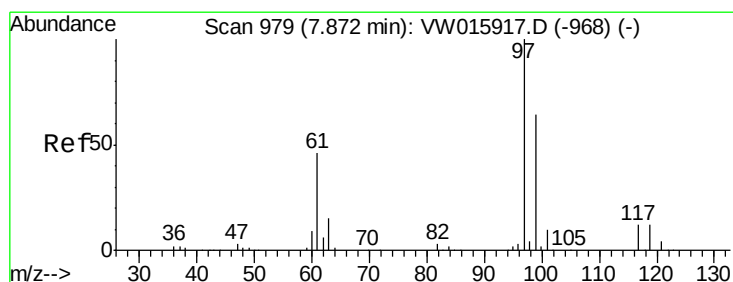
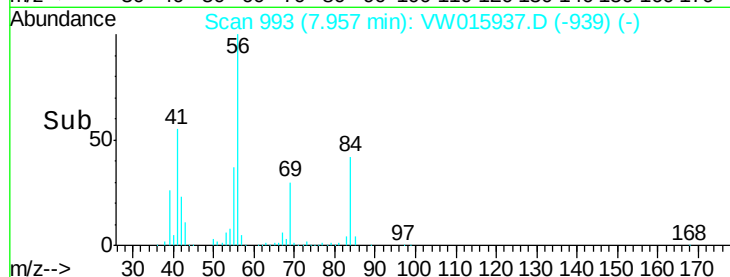
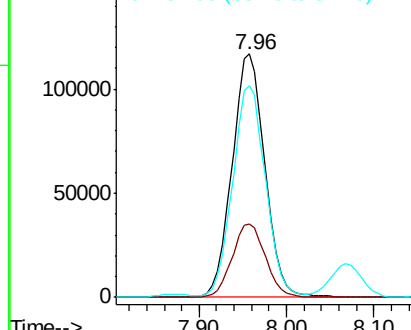


Abundance

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: 25.141 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

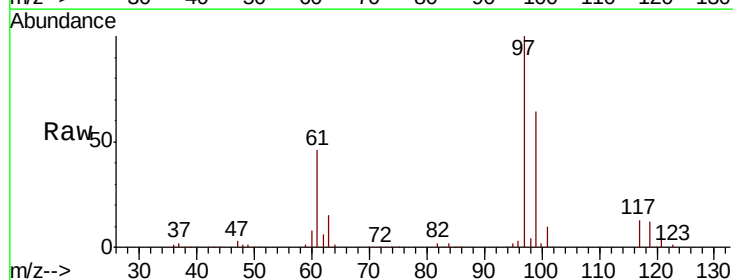
Tgt Ion: 97 Resp: 270711

Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 45.5 37.6 56.4

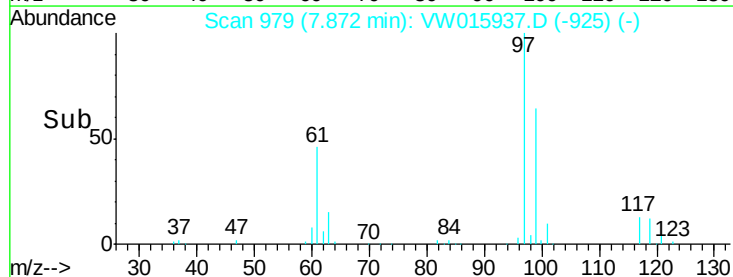
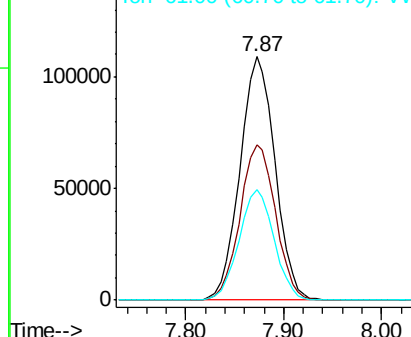


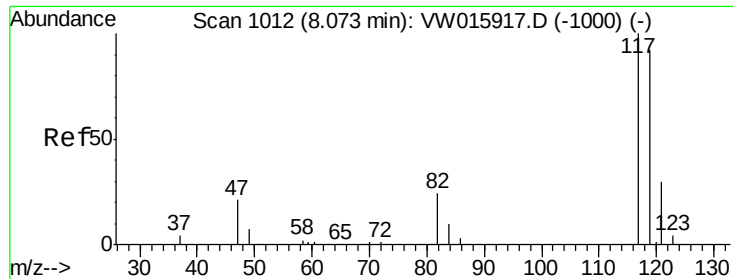
Abundance

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: 24.891 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

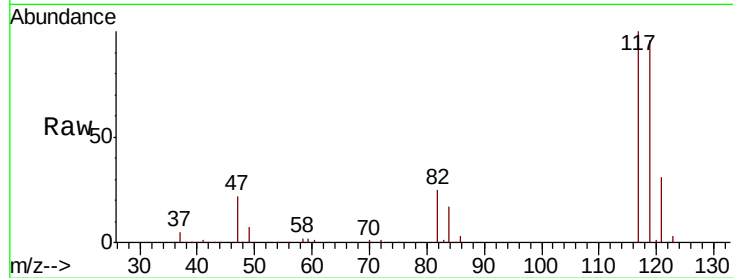
ClientSampleId :

Tot Ion:117 Resp: 243041

Ion Ratio Lower Upper

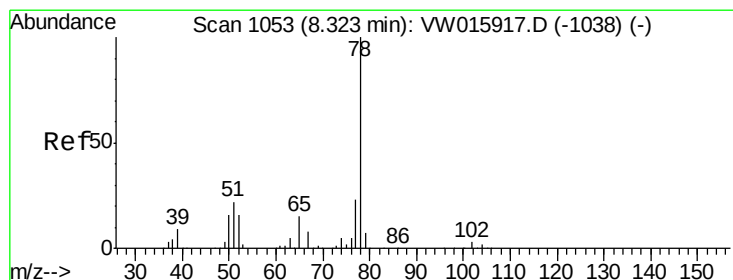
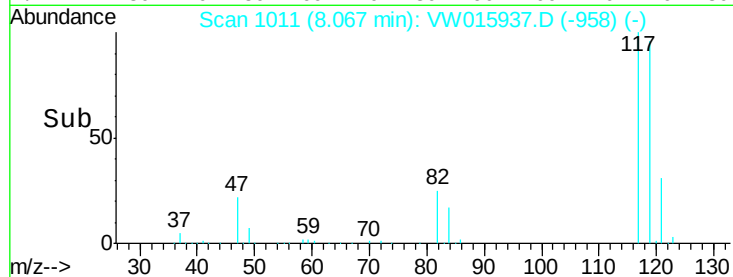
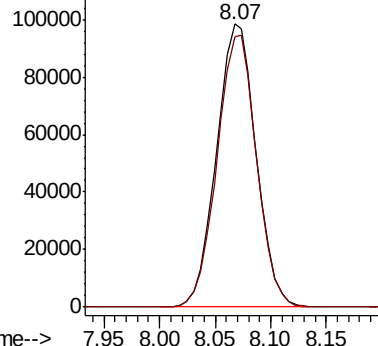
117 100

119 96.1 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.020 ug/L

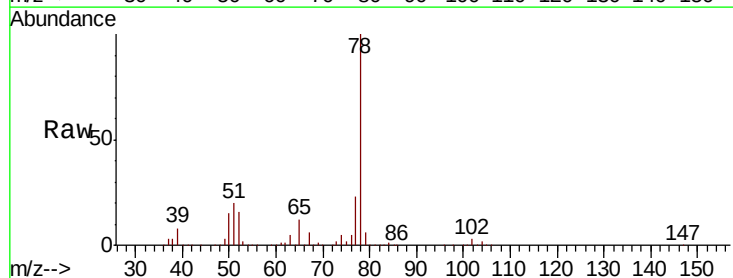
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

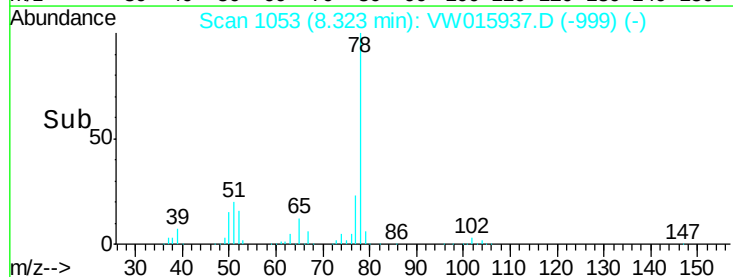
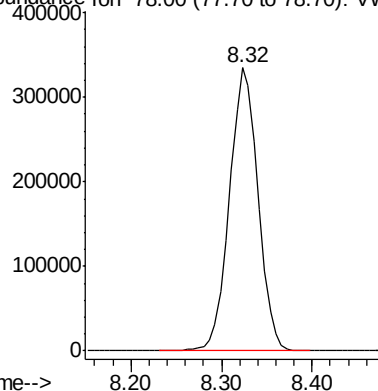
Lab File: VW015937.D

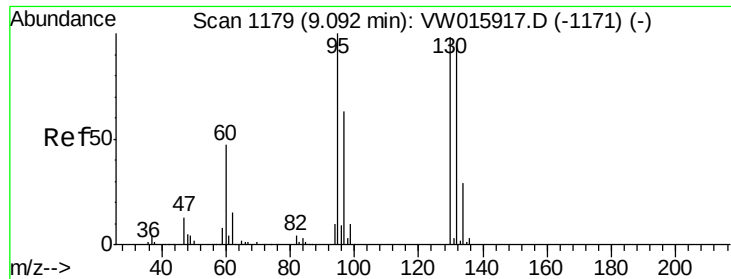
Acq: 24 Jul 2020 08:57

Tgt Ion: 78 Resp: 728781



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.304 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 187480

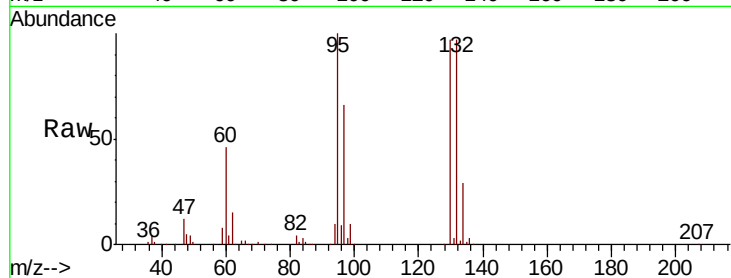
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.4

132 96.1 65.1 120.9

130 100.2 68.6 127.4

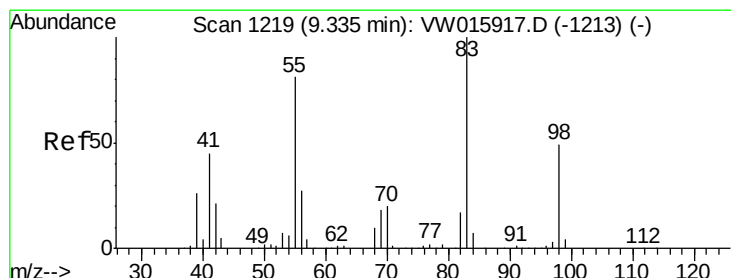
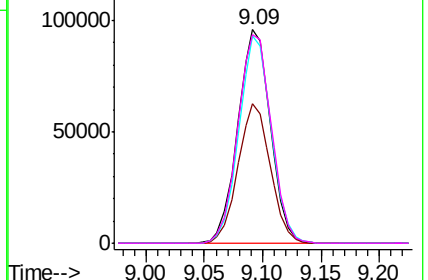
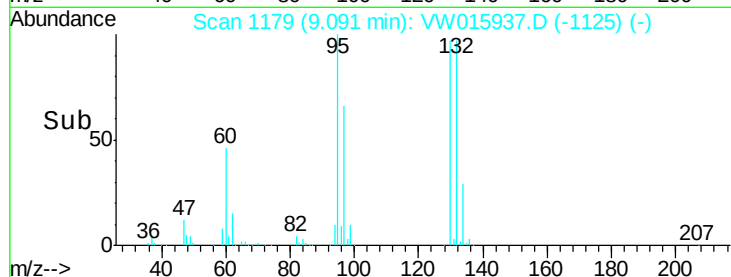


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.132 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

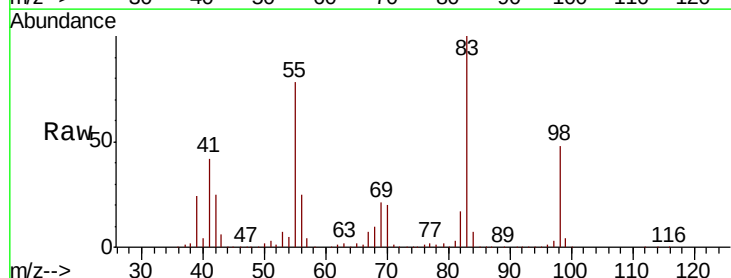
Tgt Ion: 83 Resp: 332222

Ion Ratio Lower Upper

83 100

55 77.6 63.5 95.3

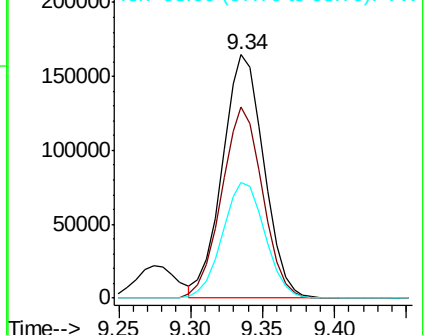
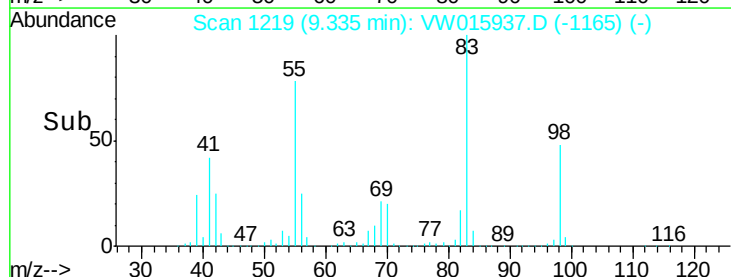
98 48.7 39.0 58.4

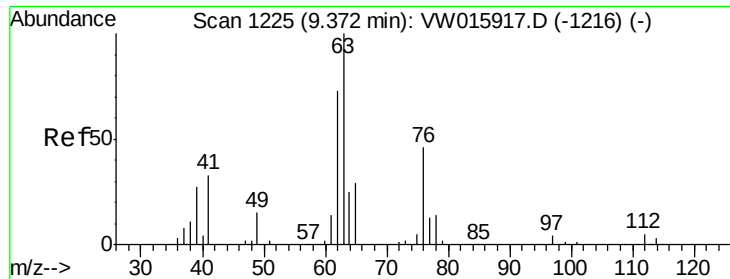


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

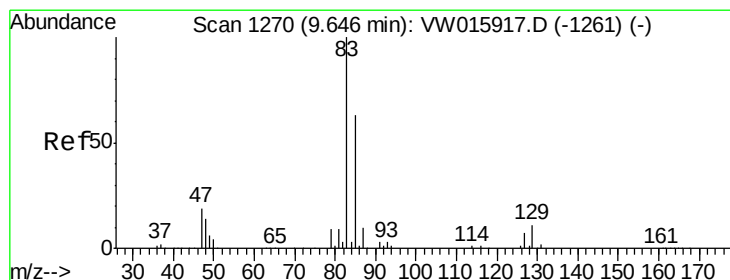
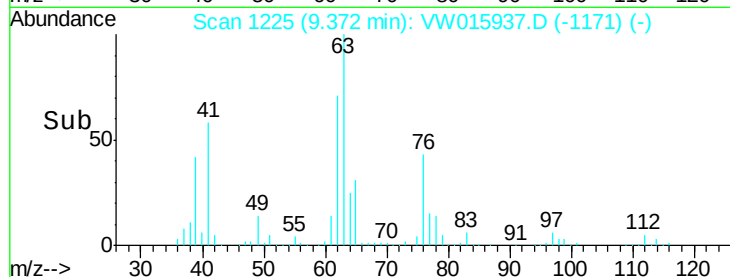
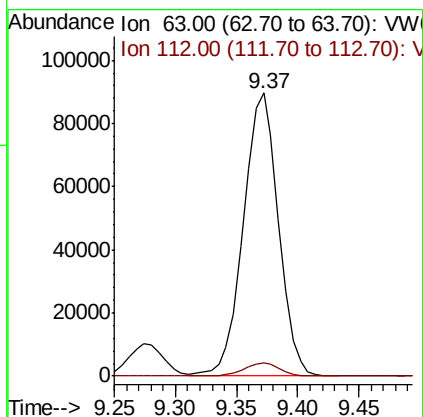
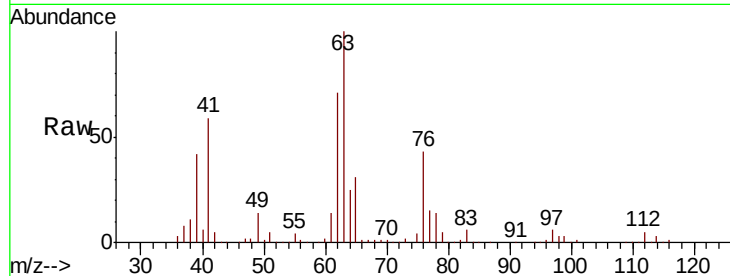




#40
1,2-Dichloropropane
Concen: 25.738 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

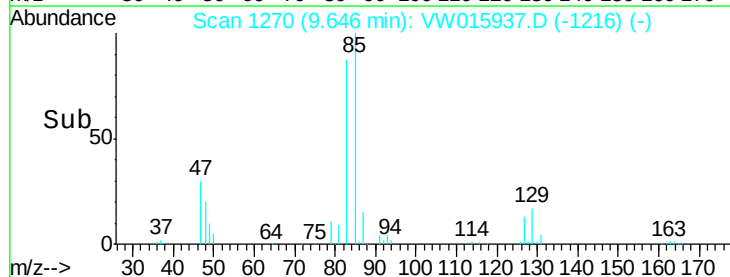
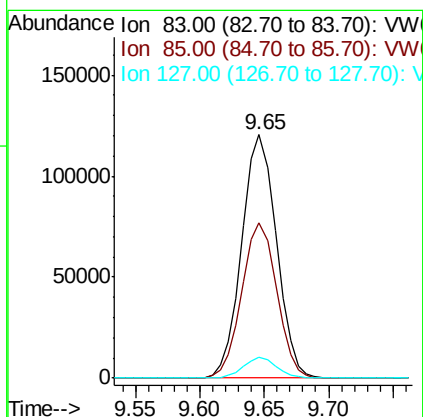
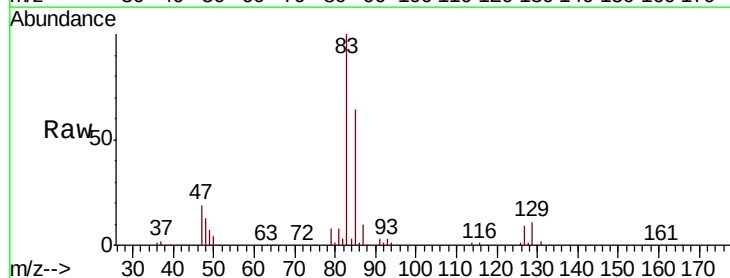
Instrument :
MSVOA_W
ClientSampled :

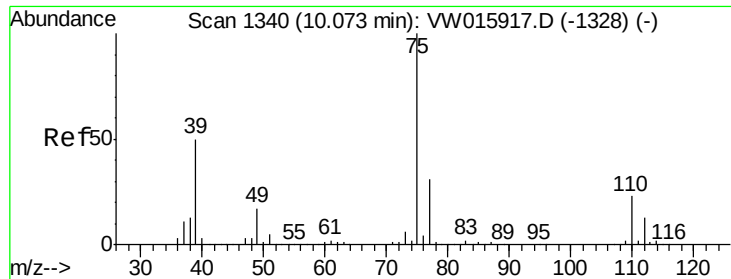
Tot Ion: 63 Resp: 178582
Ion Ratio Lower Upper
63 100
112 4.7 3.7 5.5



#41
Bromodichloromethane
Concen: 25.130 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

Tgt Ion: 83 Resp: 225179
Ion Ratio Lower Upper
83 100
85 64.0 43.7 81.1
127 8.5 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.833 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

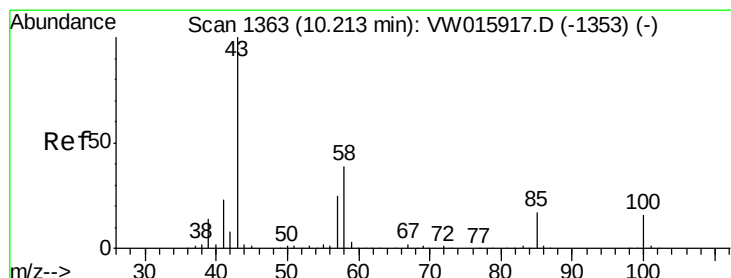
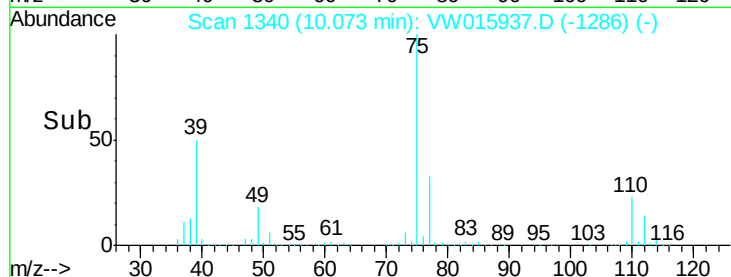
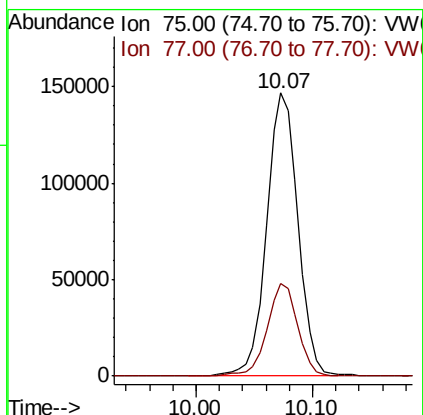
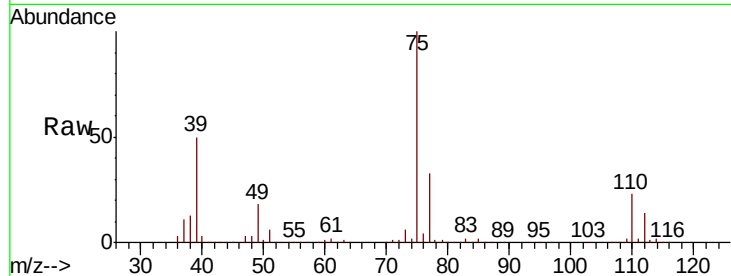
ClientSampleId :

Tot Ion: 75 Resp: 272989

Ion Ratio Lower Upper

75 100

77 32.8 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 50.059 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

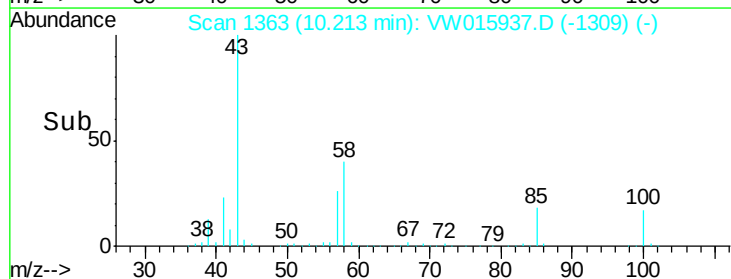
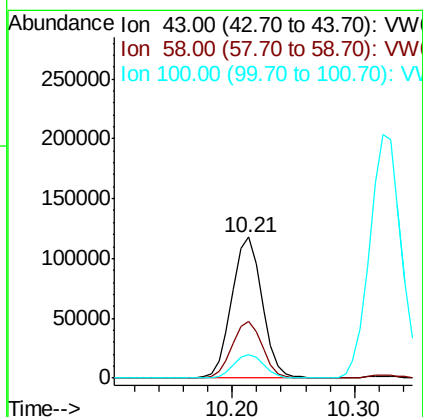
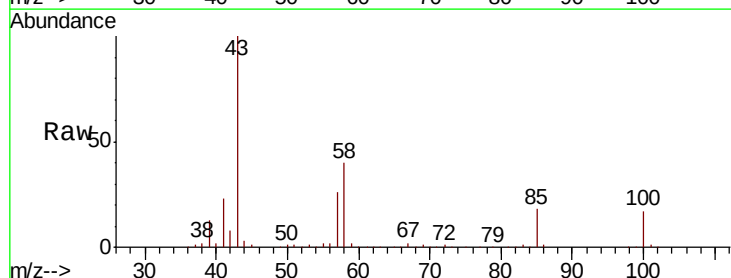
Tgt Ion: 43 Resp: 202733

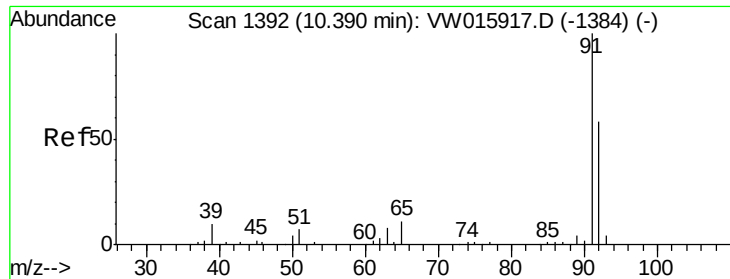
Ion Ratio Lower Upper

43 100

58 40.4 31.0 46.4

100 16.6 12.6 19.0





#44

Toluene

Concen: 26.102 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

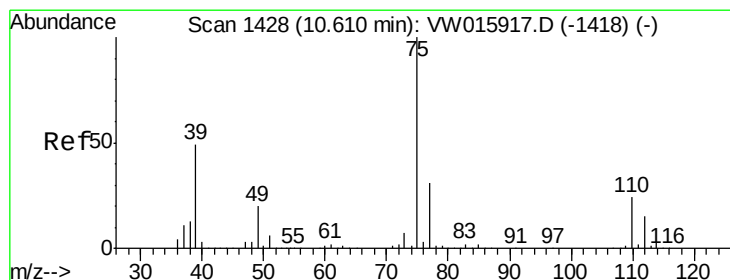
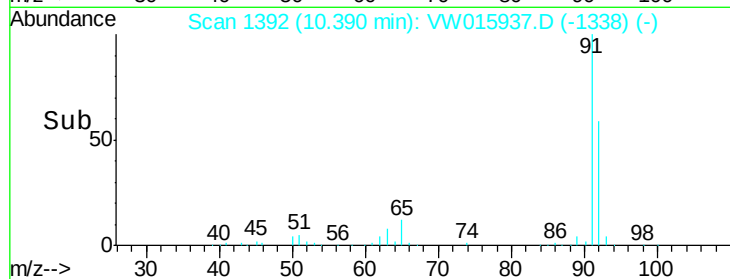
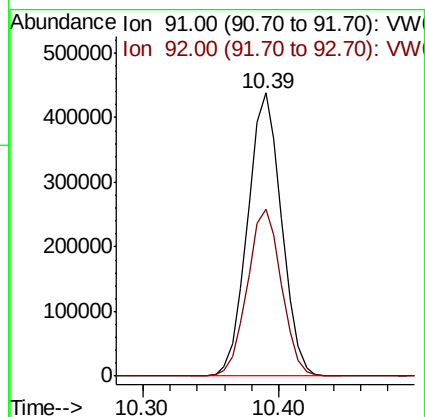
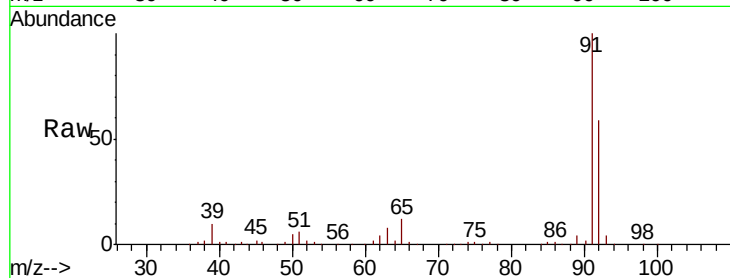
ClientSampleId :

Tot Ion: 91 Resp: 766743

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.636 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015937.D

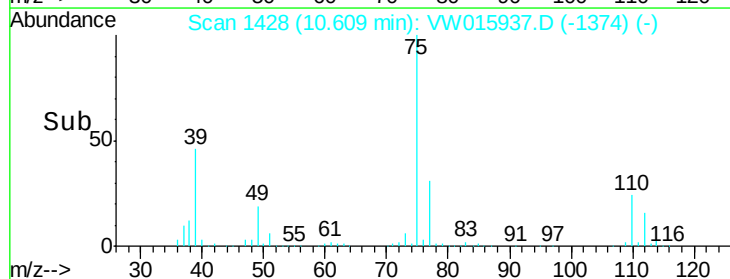
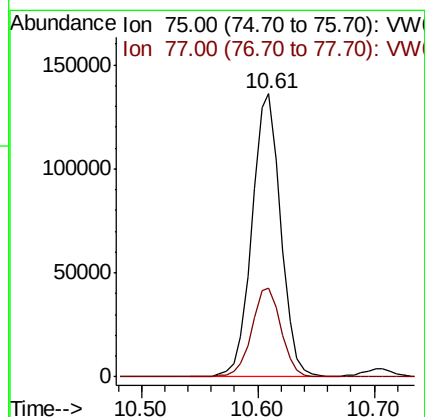
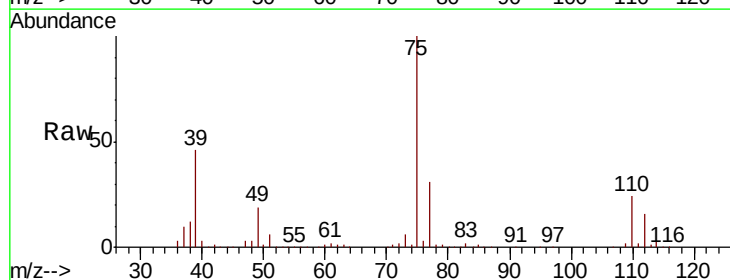
Acq: 24 Jul 2020 08:57

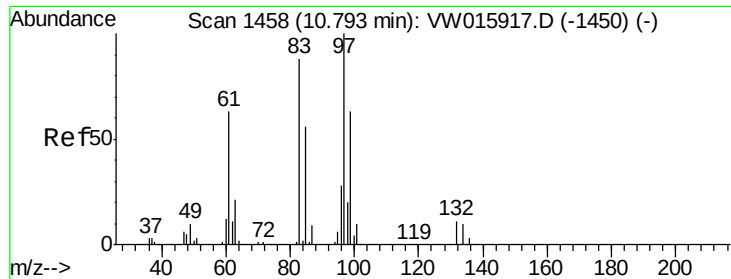
Tgt Ion: 75 Resp: 234815

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 25.587 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 127666

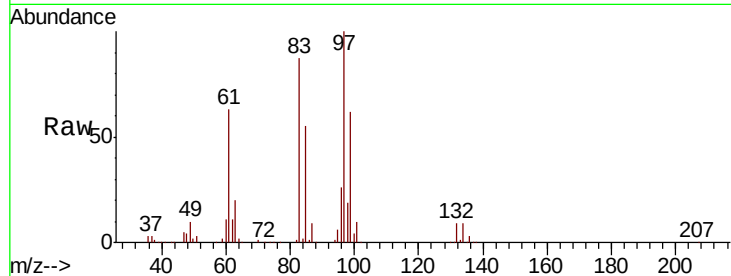
Ion	Ratio	Lower	Upper
97	100		
83	86.5	60.6	112.6
85	55.4	38.9	72.2
99	61.7	43.1	80.1

97 100

83 86.5 60.6 112.6

85 55.4 38.9 72.2

99 61.7 43.1 80.1



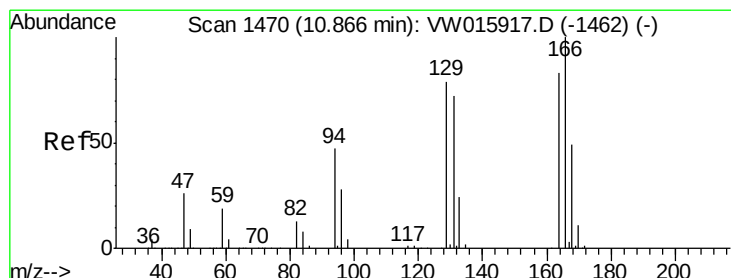
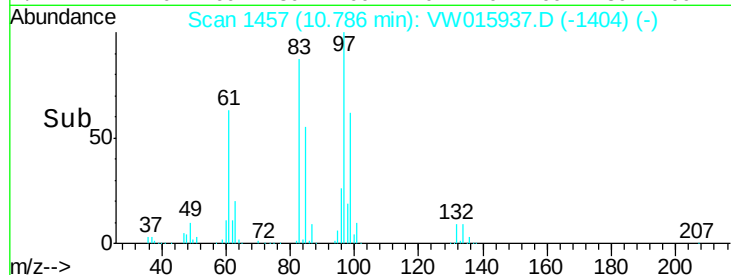
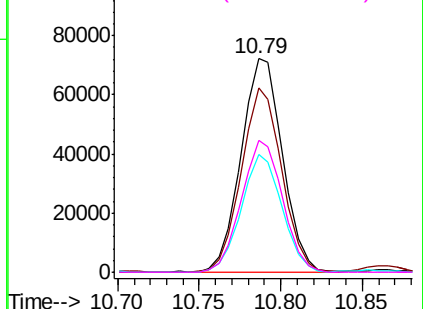
Abundance

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: 25.135 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Tgt Ion: 164 Resp: 144551

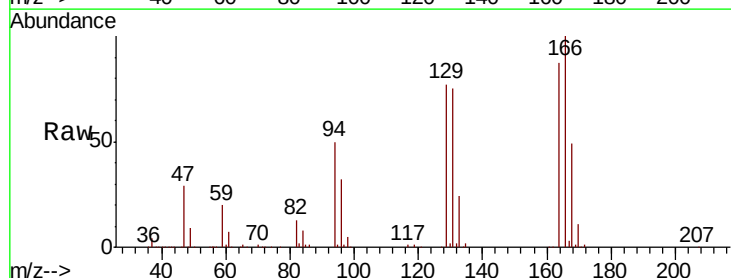
Ion	Ratio	Lower	Upper
164	100		
129	88.7	70.0	130.0
131	85.9	67.3	124.9
166	115.2	88.5	164.3

164 100

129 88.7 70.0 130.0

131 85.9 67.3 124.9

166 115.2 88.5 164.3



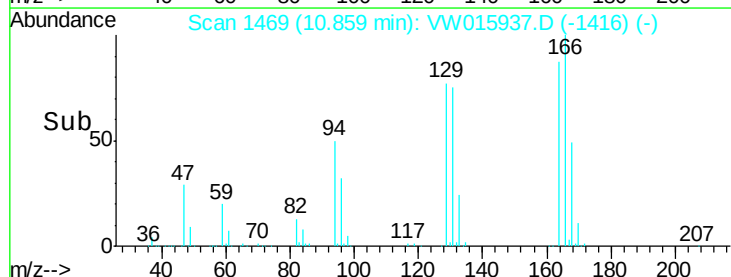
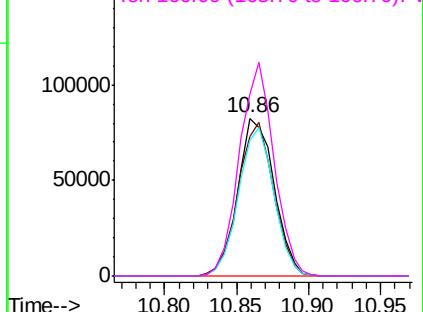
Abundance

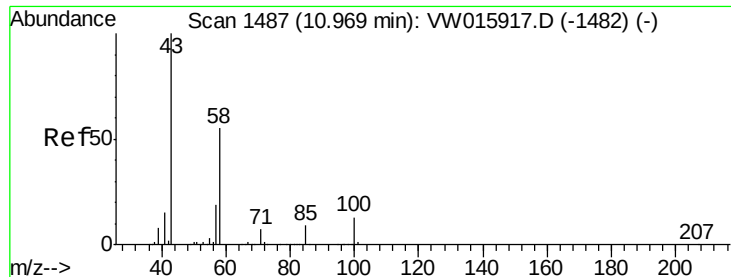
Ion 164.00 (163.70 to 164.70): V

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: 50.933 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 146379

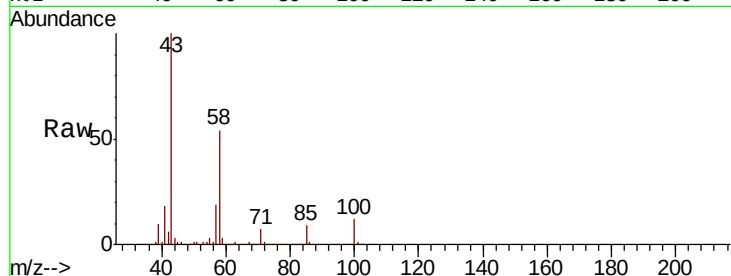
Ion Ratio Lower Upper

43 100

58 54.1 42.4 63.6

57 18.8 15.6 23.4

100 12.6 9.8 14.6

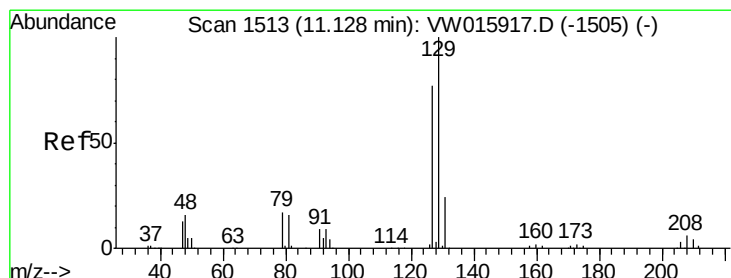
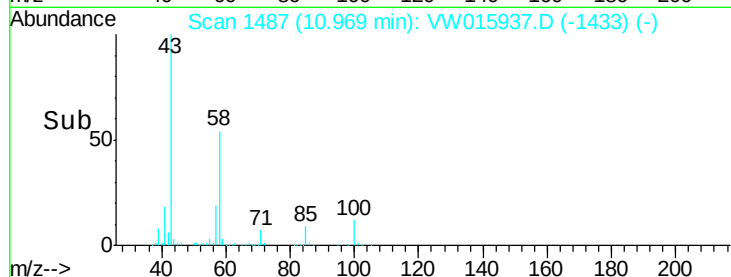
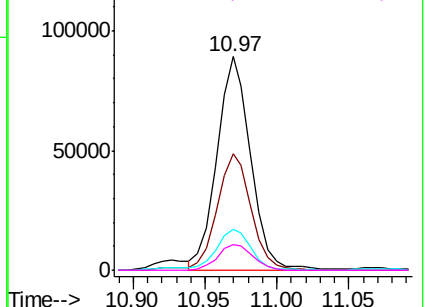


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.975 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015937.D

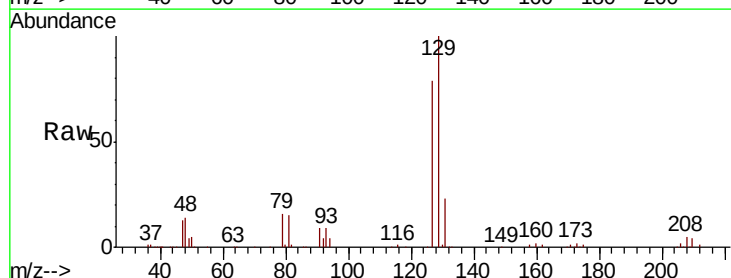
Acq: 24 Jul 2020 08:57

Tgt Ion: 129 Resp: 144267

Ion Ratio Lower Upper

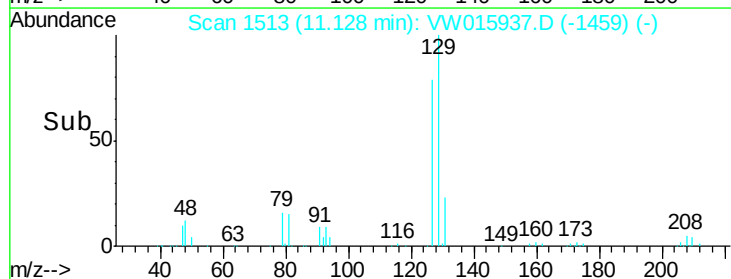
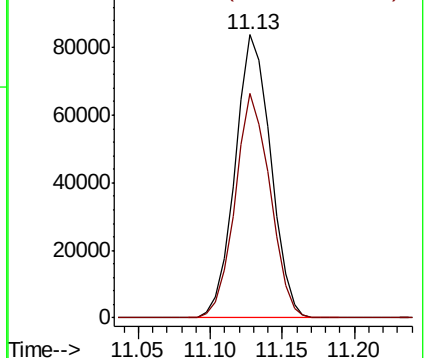
129 100

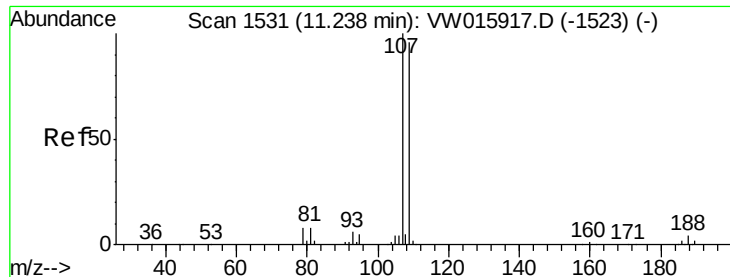
127 79.4 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

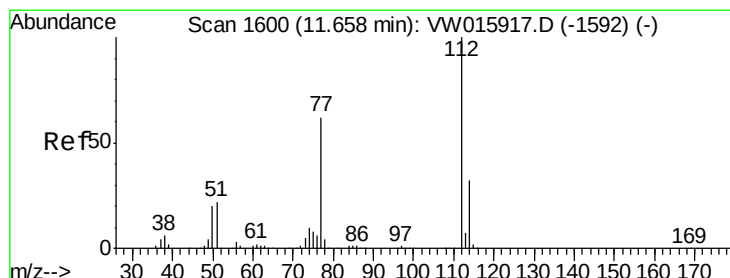
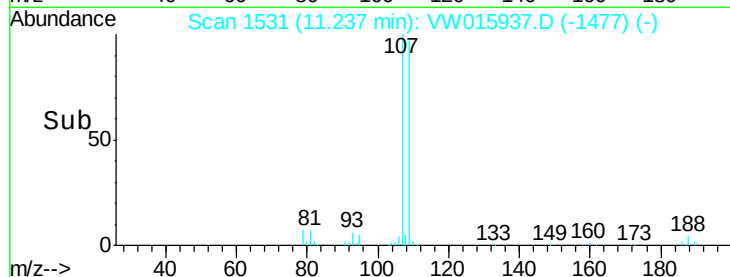
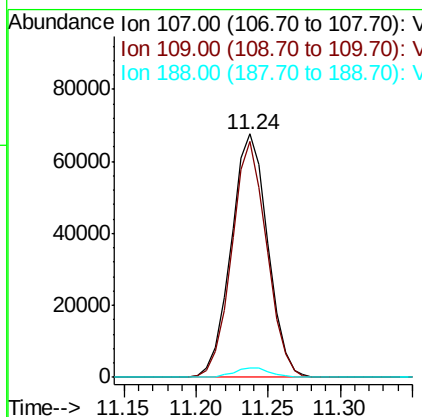
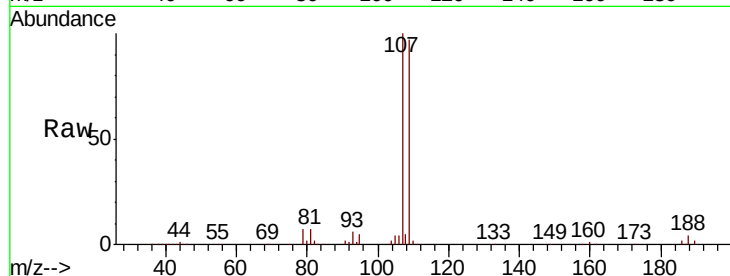




#51
1,2-Dibromoethane
Concen: 25.124 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

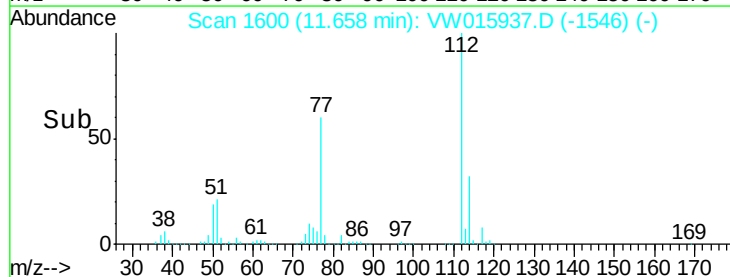
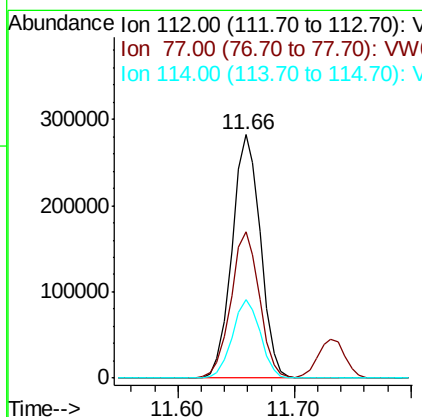
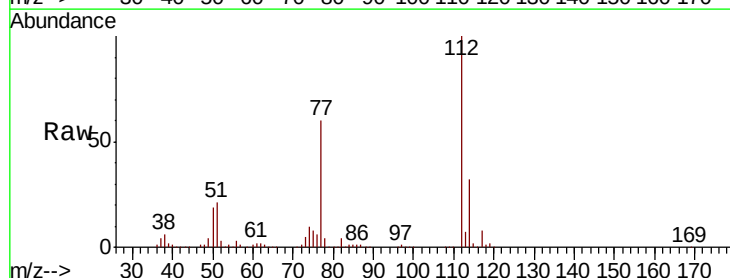
Instrument :
MSVOA_W
ClientSampleId :

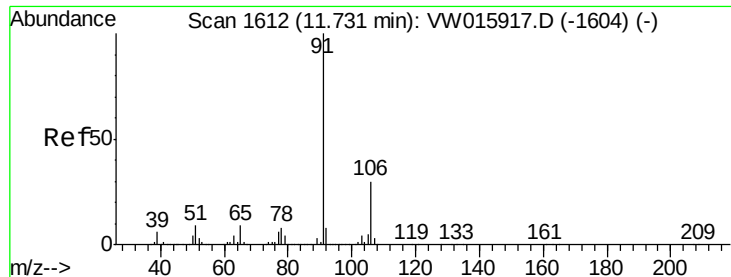
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	66.9	124.3
188	3.6	3.2	4.8



#52
Chlorobenzene
Concen: 25.388 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.9	47.8	71.6
114	32.2	22.1	41.1

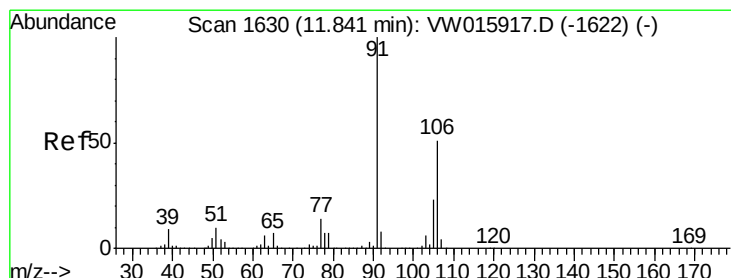
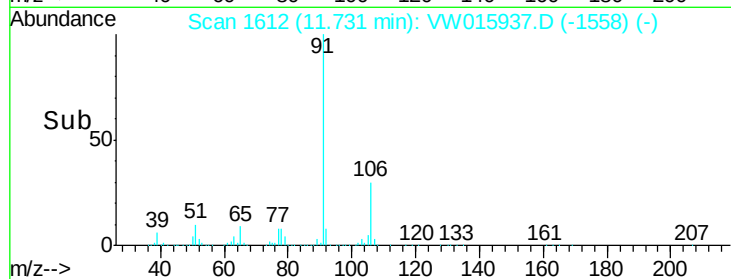
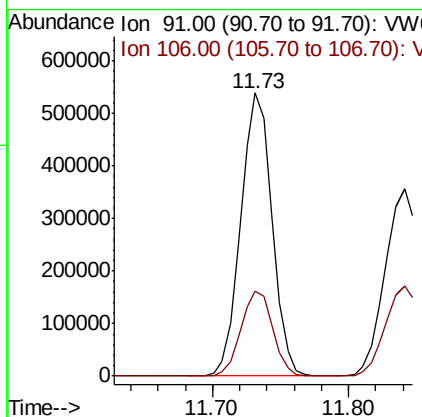
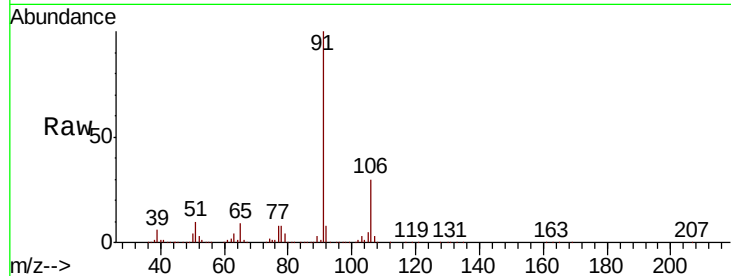




#53
Ethylbenzene
Concen: 26.198 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

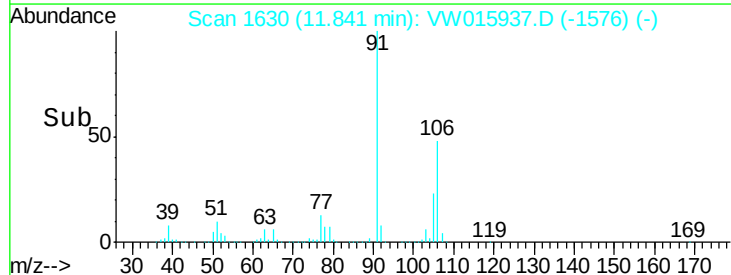
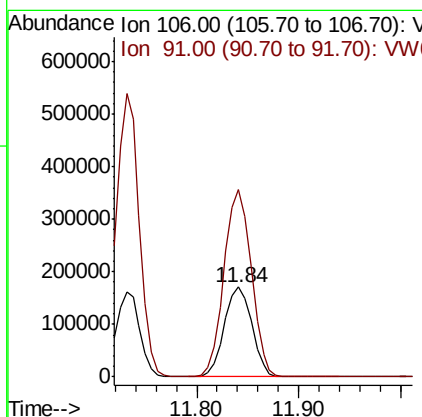
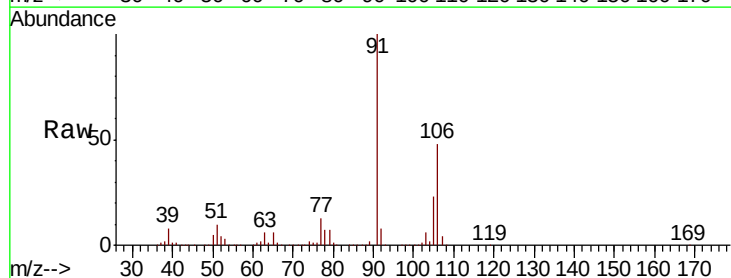
Instrument :
MSVOA_W
ClientSampled :

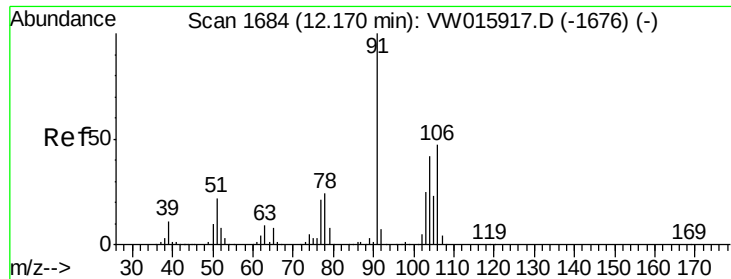
Tot Ion: 91 Resp: 865387
Ion Ratio Lower Upper
91 100
106 30.1 22.4 41.6



#54
m,p-Xylene
Concen: 26.010 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

Tgt Ion: 106 Resp: 321435
Ion Ratio Lower Upper
106 100
91 209.1 144.1 267.5

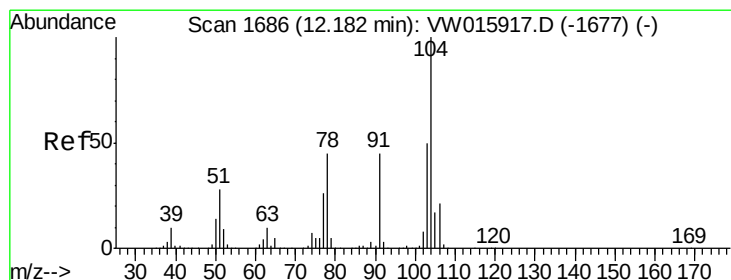
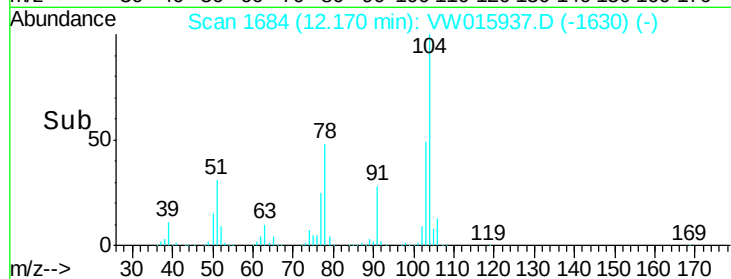
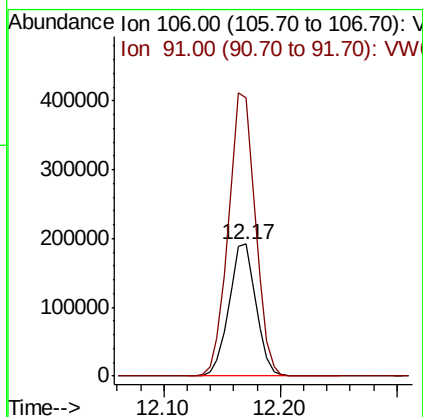
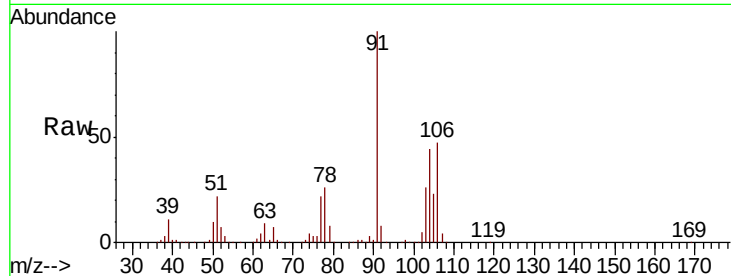




#55
o-xylene
Concen: 26.627 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

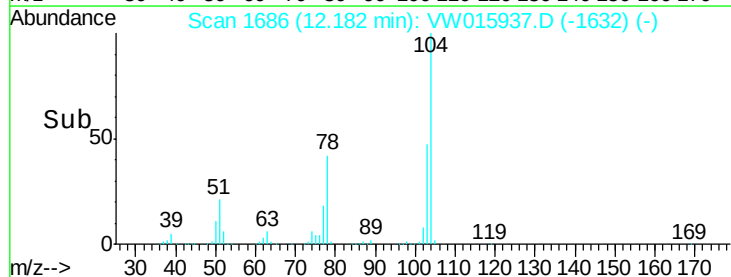
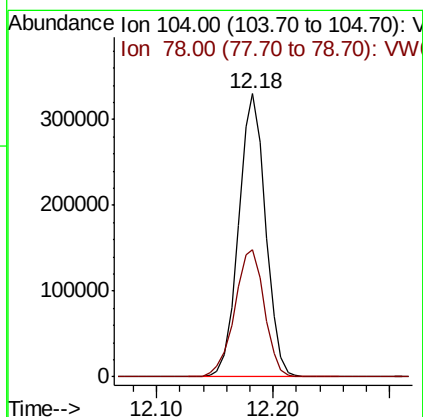
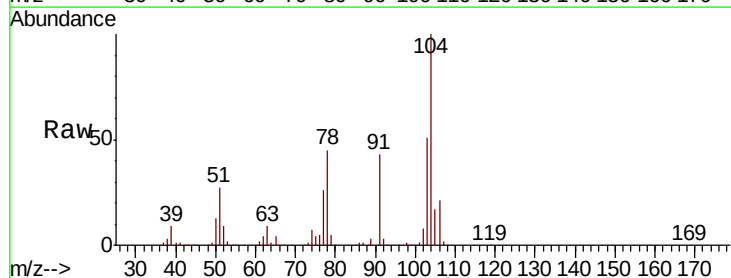
Instrument :
MSVOA_W
ClientSampled :

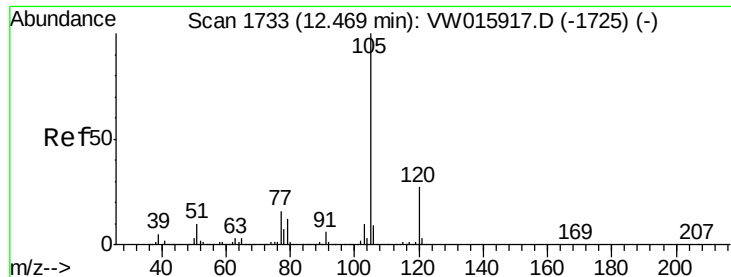
Tot Ion:106 Resp: 309862
Ion Ratio Lower Upper
106 100
91 210.7 146.8 272.6



#56
Styrene
Concen: 26.880 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015937.D
Acq: 24 Jul 2020 08:57

Tgt Ion:104 Resp: 531951
Ion Ratio Lower Upper
104 100
78 44.9 32.0 59.4





#57

Isopropylbenzene

Concen: 26.579 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

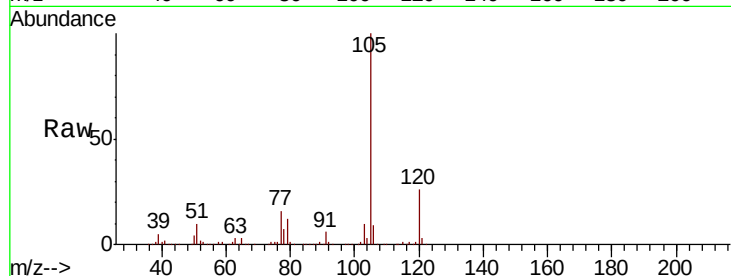
Tot Ion:105 Resp: 841984

Ion Ratio Lower Upper

105 100

120 26.3 20.4 30.6

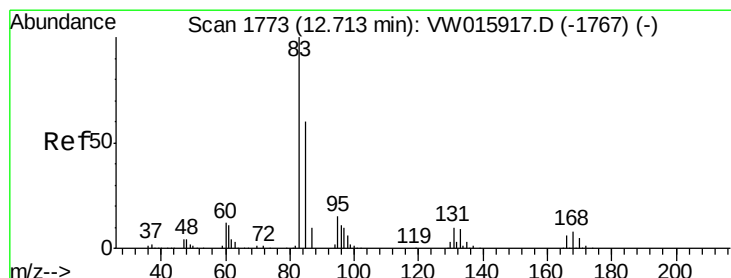
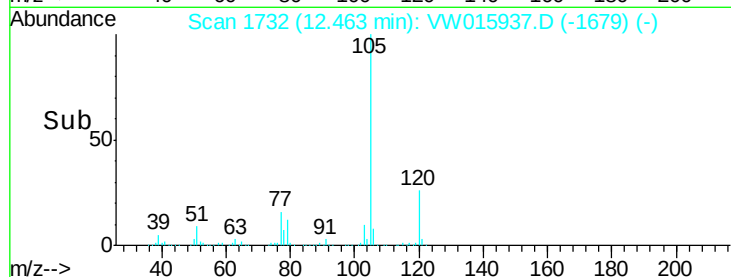
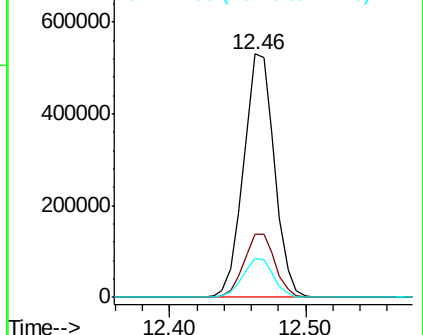
77 15.7 12.9 19.3



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: 24.692 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

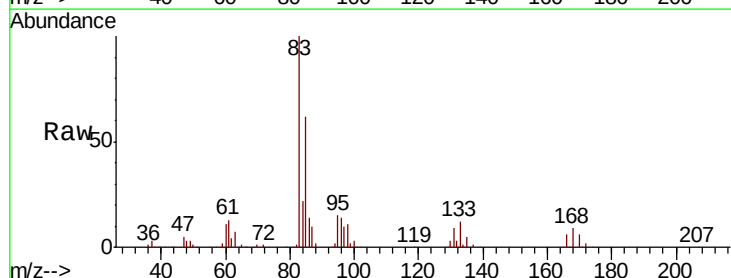
Tgt Ion: 83 Resp: 144667

Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.7

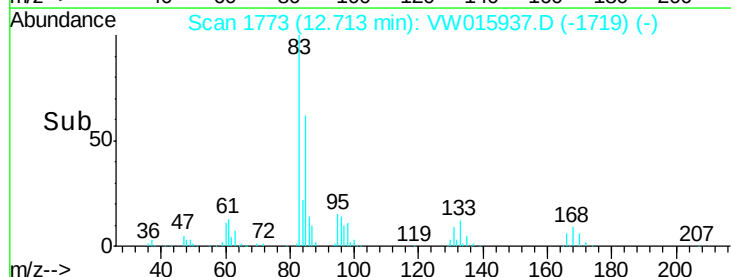
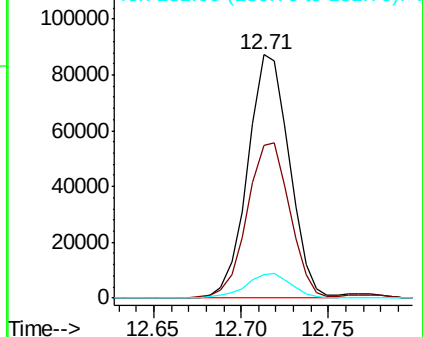
131 9.4 8.2 12.4

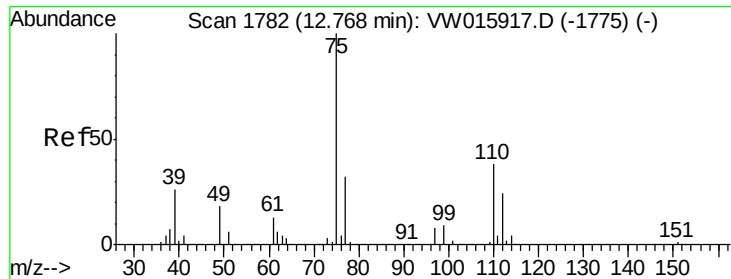


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

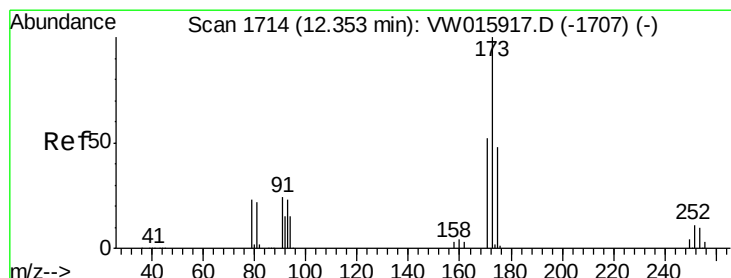
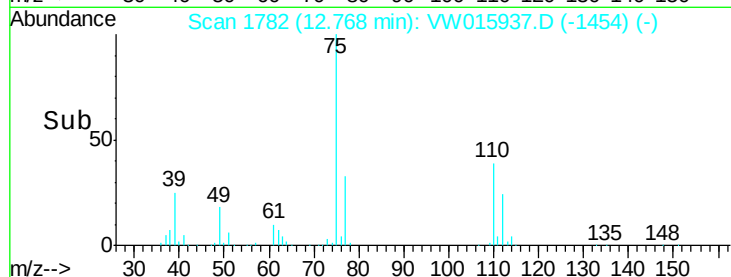
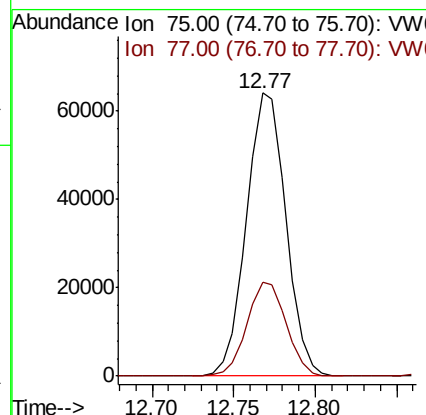
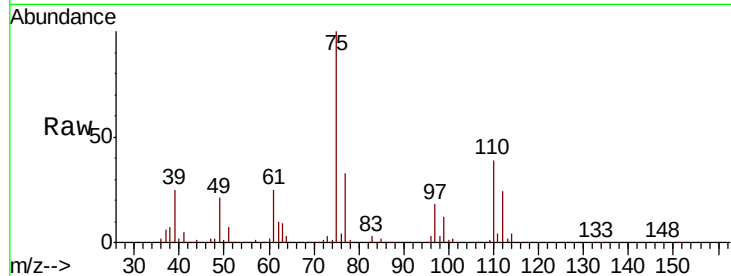




#59
 1,2,3-Trichloropropane
 Concen: 24.590 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

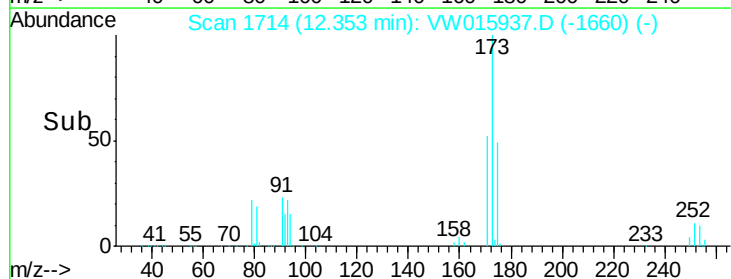
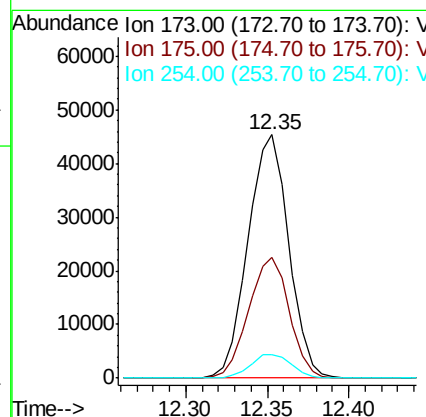
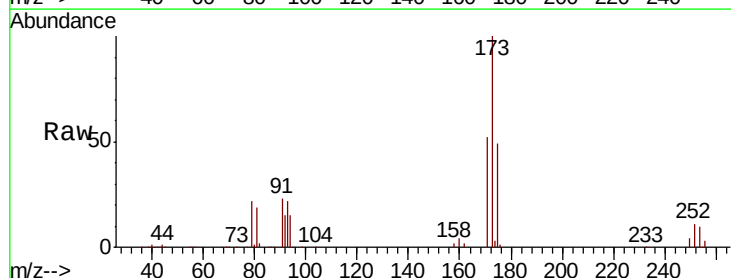
Instrument :
 MSVOA_W
 ClientSampleId :

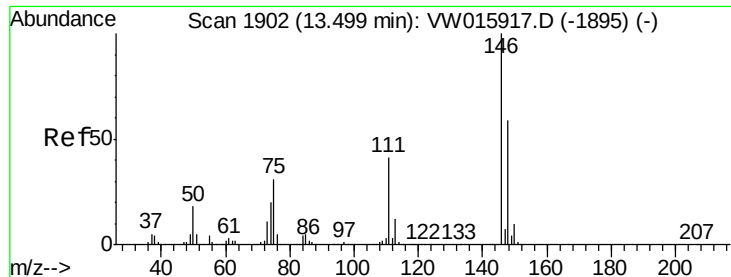
Tot Ion: 75 Resp: 107945
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.0 39.0



#62
 Bromoform
 Concen: 24.579 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

Tgt Ion: 173 Resp: 78773
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.7 58.1
 254 10.0 7.9 11.9

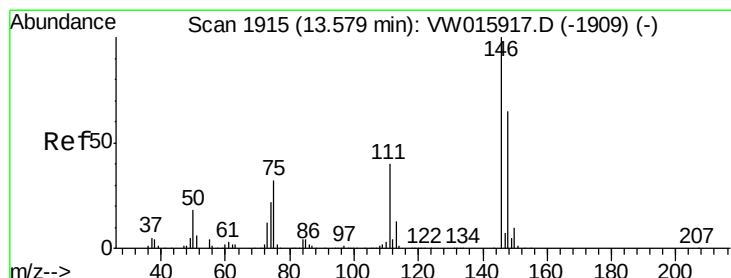
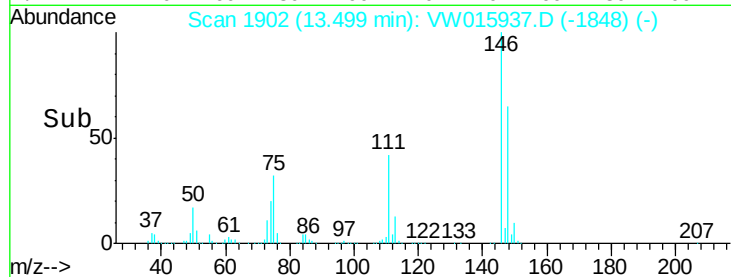
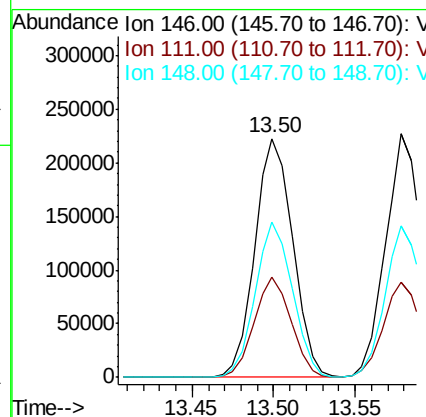
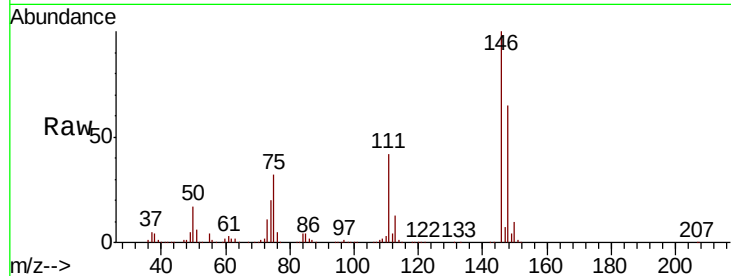




#63
 1,3-Dichlorobenzene
 Concen: 25.781 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

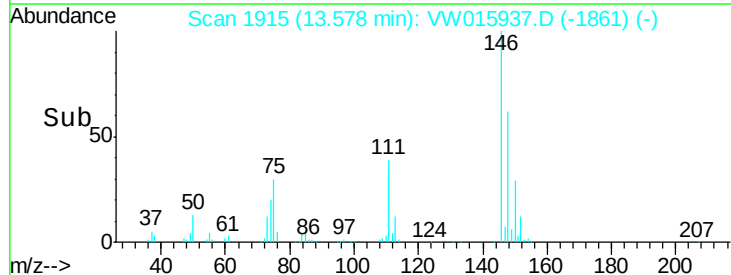
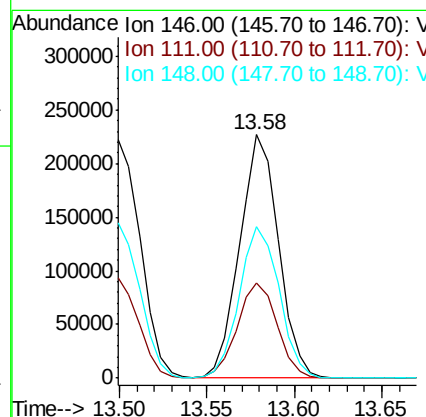
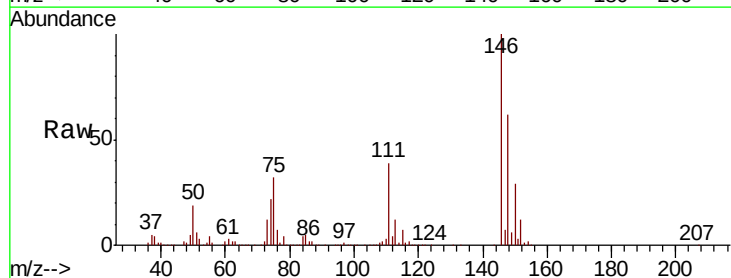
Instrument :
 MSVOA_W
 ClientSampleId :

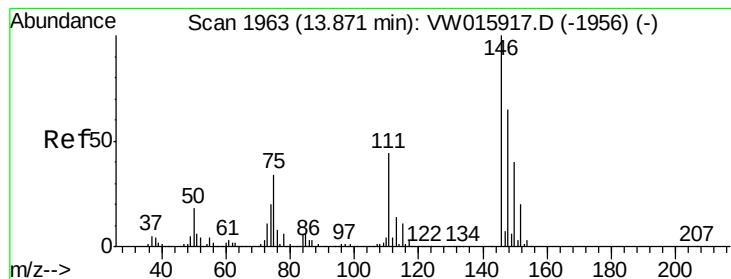
Tot Ion:146 Resp: 359473
 Ion Ratio Lower Upper
 146 100
 111 42.0 27.9 51.7
 148 65.3 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 24.783 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

Tgt Ion:146 Resp: 350711
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.3 54.3
 148 62.2 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 25.404 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampleId :

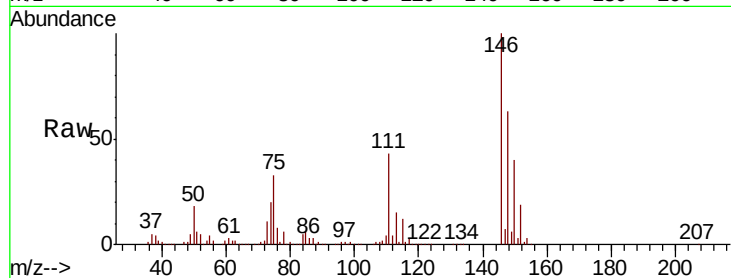
Tot Ion:146 Resp: 321749

Ion Ratio Lower Upper

146 100

111 43.2 32.9 49.3

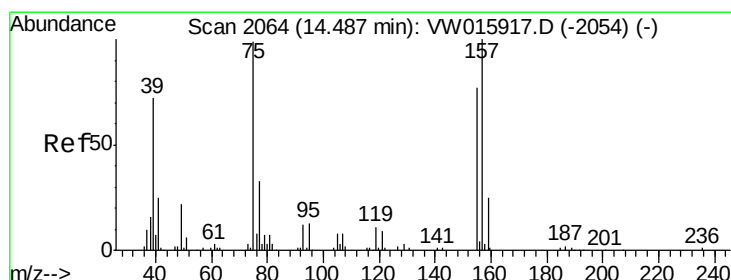
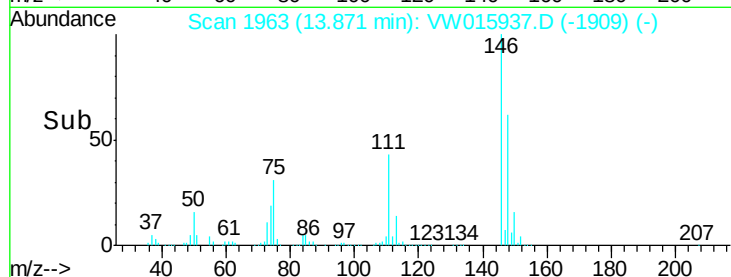
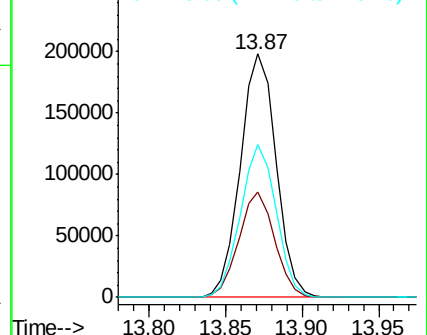
148 62.5 48.8 73.2



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: 24.040 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

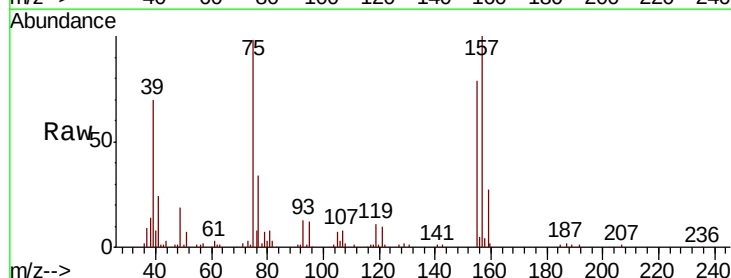
Tgt Ion: 75 Resp: 22917

Ion Ratio Lower Upper

75 100

157 102.3 83.0 124.4

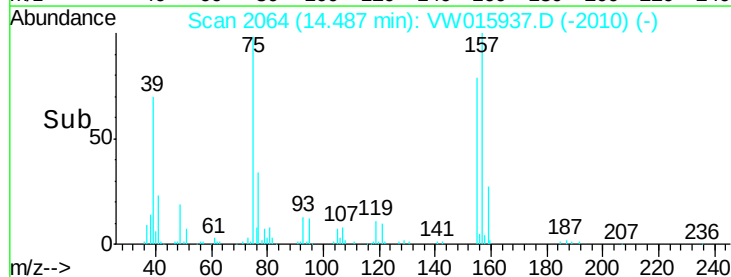
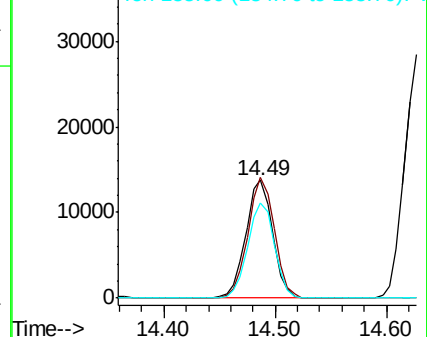
155 80.4 66.9 100.3

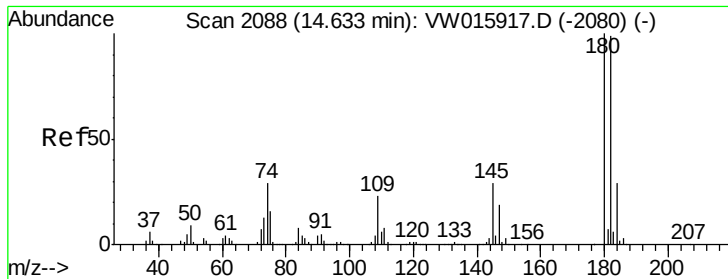


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

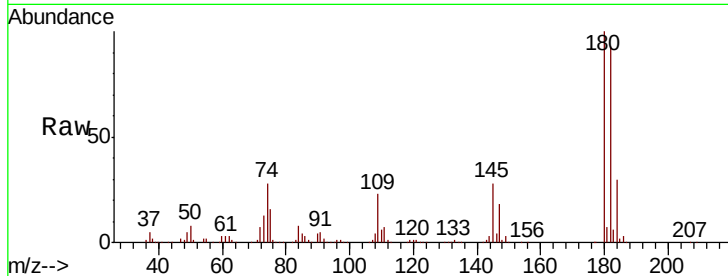




#67
 1,3,5-Trichlorobenzene
 Concen: 26.096 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	255850
Ion Ratio	Lower	Upper	
180	100		
182	92.6	75.4	113.0
184	30.6	24.6	37.0
145	29.5	24.1	36.1

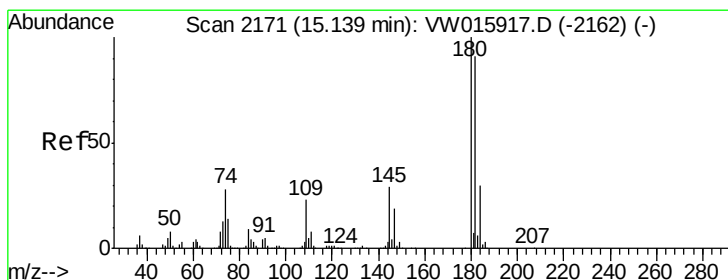
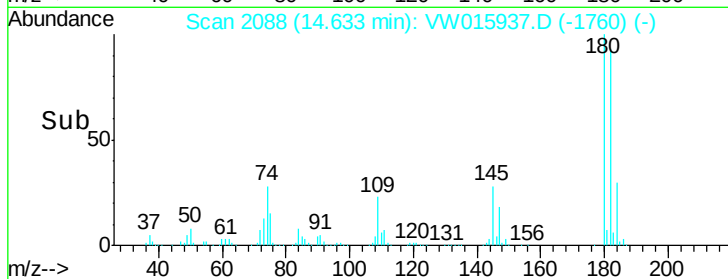
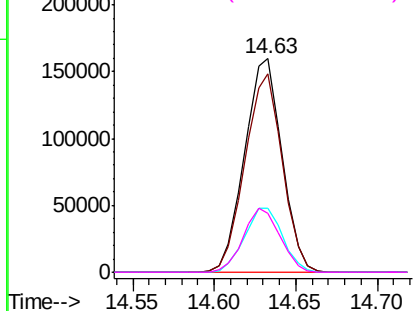


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

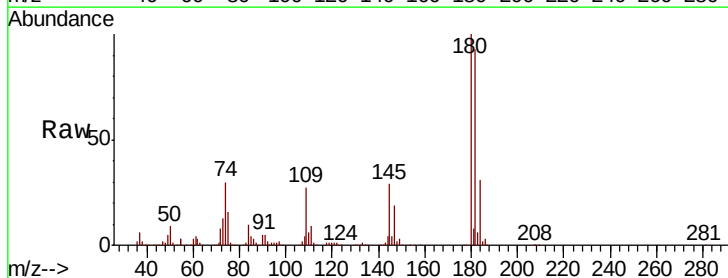
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.105 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015937.D
 Acq: 24 Jul 2020 08:57

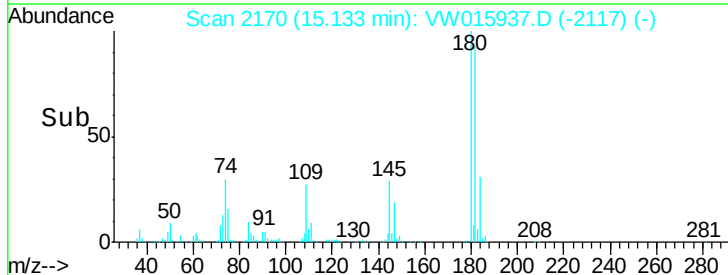
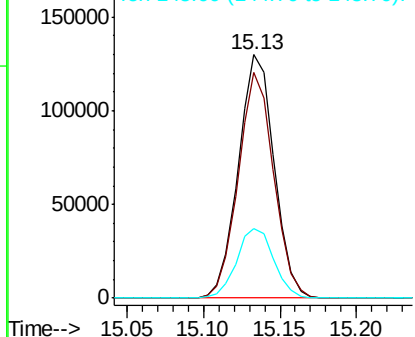
Tgt Ion	180	Resp	211077
Ion Ratio	Lower	Upper	
180	100		
182	91.6	76.0	114.0
145	29.7	24.3	36.5

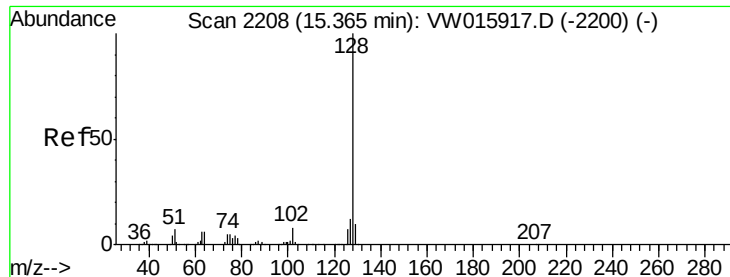


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.015 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

Instrument :

MSVOA_W

ClientSampled :

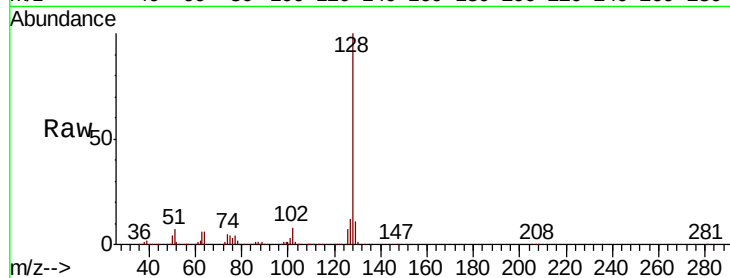
Tot Ion:128 Resp: 381676

Ion Ratio Lower Upper

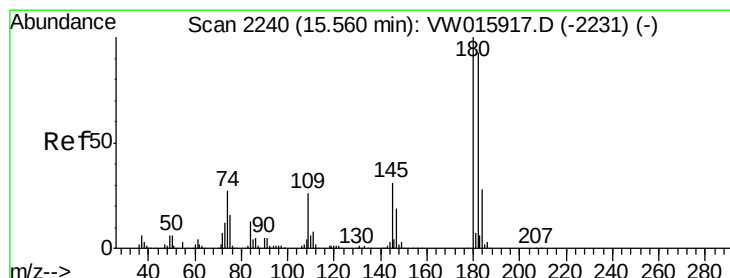
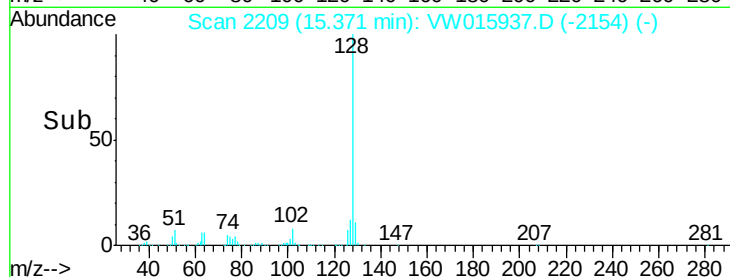
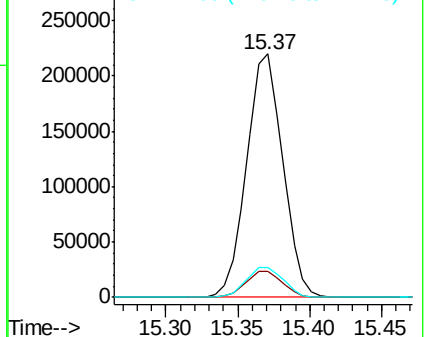
128 100

129 11.0 8.6 12.8

127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.328 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015937.D

Acq: 24 Jul 2020 08:57

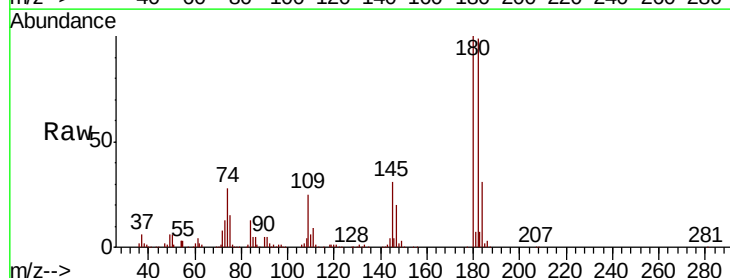
Tgt Ion:180 Resp: 175746

Ion Ratio Lower Upper

180 100

182 97.5 74.0 111.0

145 33.0 25.9 38.9



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

