

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV123020\
 Data File : VW017783.D
 Acq On : 30 Dec 2020 16:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 31 06:02:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 31 06:01:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	324293	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305141	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	163325	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	126540	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.84%
7) Chloroethane-d5	2.89	69	107952	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
11) 1,1-Dichloroethene-d2	4.03	63	215650	23.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.00%
21) 2-Butanone-d5	7.07	46	63603	45.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.36%
24) Chloroform-d	7.65	84	221274	24.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.28%
26) 1,2-Dichloroethane-d4	8.31	65	127607	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	8.27	84	422539	23.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	9.27	67	121570	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
41) Toluene-d8	10.32	98	405903	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.72%
43) trans-1,3-Dichloropropene-	10.58	79	58696	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.56%
47) 2-Hexanone-d5	10.93	63	47703	50.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.94%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	122291	24.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.92%
66) 1,2-Dichlorobenzene-d4	13.85	152	143663	23.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	84159	21.536	ug/L 97
3) Chloromethane	2.21	50	75123	22.099	ug/L 97
5) Vinyl chloride	2.36	62	137280	24.493	ug/L 100
6) Bromomethane	2.78	94	106015	21.375	ug/L 100
8) Chloroethane	2.92	64	93404	25.200	ug/L 98
9) Trichlorofluoromethane	3.26	101	87649	22.996	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	104903	24.014	ug/L 99
12) 1,1-Dichloroethene	4.04	96	101738	24.557	ug/L 83
13) Acetone	4.12	43	45129	47.750	ug/L 96
14) Carbon disulfide	4.39	76	302817	25.497	ug/L 99
15) Methyl Acetate	4.67	43	52787	25.855	ug/L # 81
16) Methylene chloride	4.92	84	115138	22.024	ug/L 98
17) trans-1,2-Dichloroethene	5.42	96	114391	25.767	ug/L 94
18) Methyl tert-butyl Ether	5.42	73	145097	25.656	ug/L 99
19) 1,1-Dichloroethane	6.21	63	199059	25.309	ug/L 100
20) cis-1,2-Dichloroethene	7.17	96	121200	25.514	ug/L 99
22) 2-Butanone	7.17	43	72468	46.144	ug/L 100

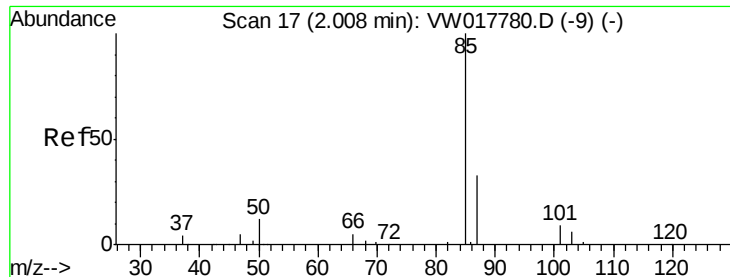
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV123020\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 31 06:01:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	55325	25.450	ug/L	97
25) Chloroform	7.67	83	211953	25.406	ug/L	97
27) 1,2-Dichloroethane	8.40	62	154661	25.960	ug/L	99
29) Cyclohexane	7.96	56	181061	25.283	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	175147	24.963	ug/L	98
31) Carbon tetrachloride	8.07	117	163800	24.855	ug/L	100
33) Benzene	8.32	78	457861	25.695	ug/L	100
34) Trichloroethene	9.09	95	121388	24.944	ug/L	92
35) Methylcyclohexane	9.34	83	216139	25.938	ug/L	99
37) 1,2-Dichloropropane	9.37	63	112337	26.046	ug/L	99
38) Bromodichloromethane	9.64	83	156851	25.748	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	185304	26.911	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	157996	51.610	ug/L	99
42) Toluene	10.38	91	513422	25.440	ug/L	97
44) trans-1,3-Dichloropropene	10.60	75	168082	26.769	ug/L	96
45) 1,1,2-Trichloroethane	10.79	97	92238	25.480	ug/L	98
46) Tetrachloroethene	10.86	164	95489	25.606	ug/L	88
48) 2-Hexanone	10.97	43	114351	53.318	ug/L	98
49) Dibromochloromethane	11.13	129	110503	26.599	ug/L	91
50) 1,2-Dibromoethane	11.23	107	93755	26.211	ug/L	94
51) Chlorobenzene	11.65	112	330433	25.803	ug/L	97
52) Ethylbenzene	11.73	91	593887	25.767	ug/L	99
53) m,p-Xylene	11.84	106	231528	25.964	ug/L	93
54) o-Xylene	12.16	106	218279	25.936	ug/L	100
55) Styrene	12.18	104	381051	26.462	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	122994	26.130	ug/L	99
59) Bromoform	12.35	173	61528	25.167	ug/L	100
60) Isopropylbenzene	12.46	105	601056	25.215	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	90525	25.226	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	499212	26.325	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	500302	25.924	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	257178	24.990	ug/L	95
65) 1,4-Dichlorobenzene	13.58	146	255304	24.975	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	239749	25.962	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.48	75	21336	24.846	ug/L	93
69) 1,3,5-Trichlorobenzene	14.63	180	178124	25.583	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	157844	26.183	ug/L	98
71) Naphthalene	15.36	128	366144	26.357	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	136450	25.752	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 21.536 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

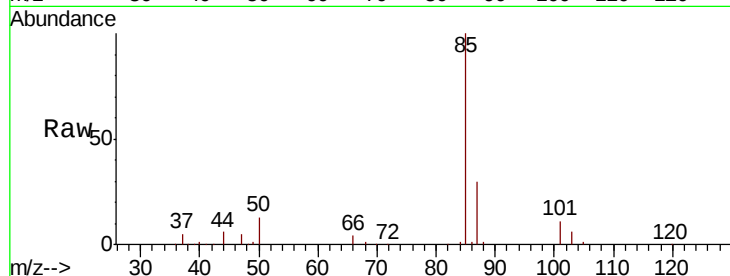
ClientSampleId :

Tot Ion: 85 Resp: 84159

Ion Ratio Lower Upper

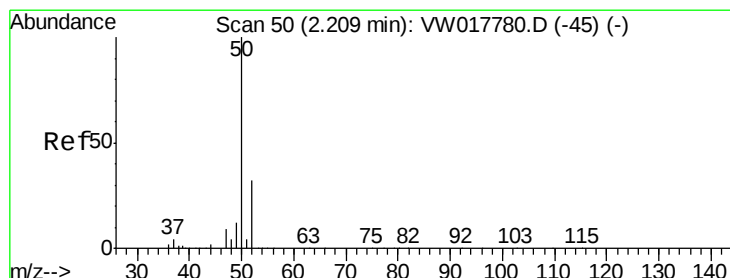
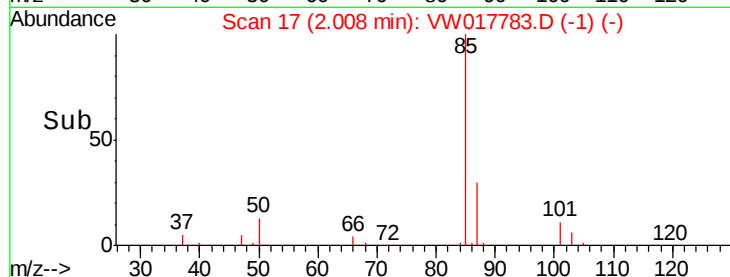
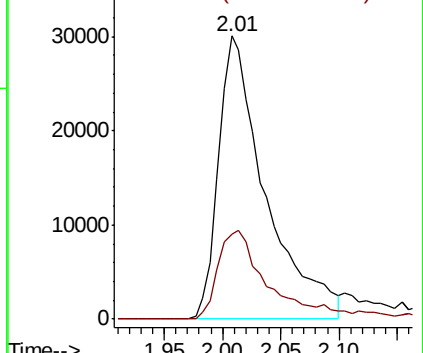
85 100

87 30.9 23.3 34.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.099 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW017783.D

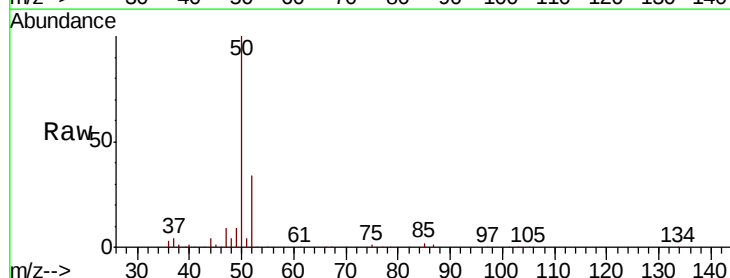
Acq: 30 Dec 2020 16:36

Tgt Ion: 50 Resp: 75123

Ion Ratio Lower Upper

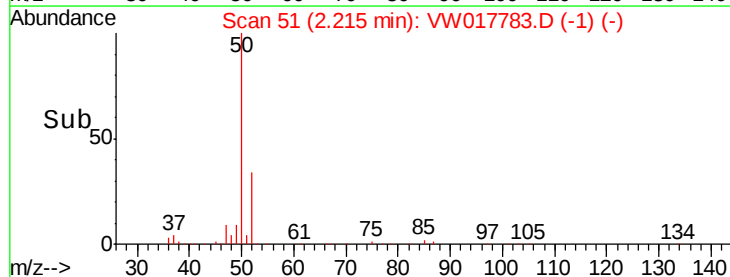
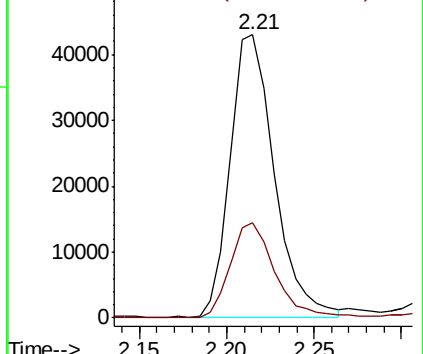
50 100

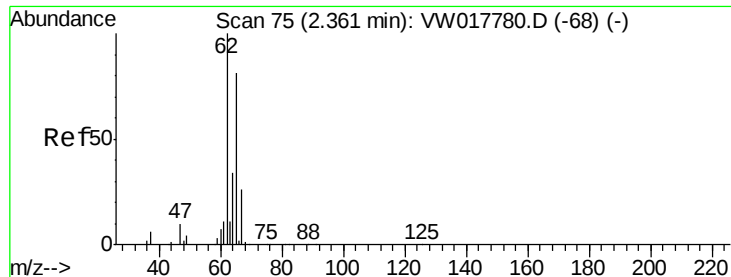
52 33.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.493 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

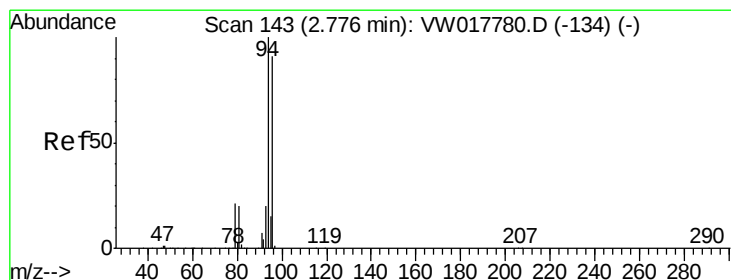
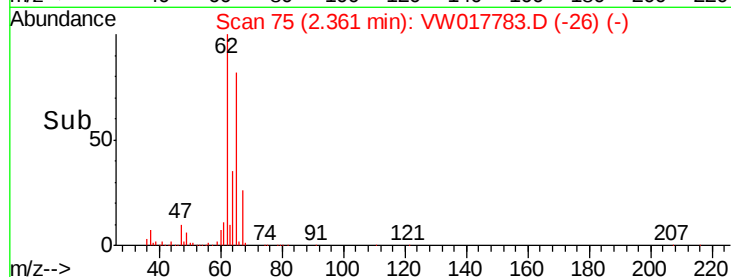
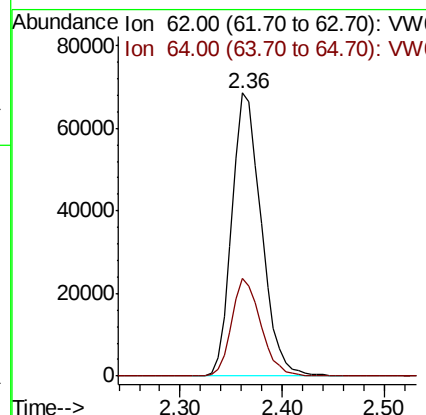
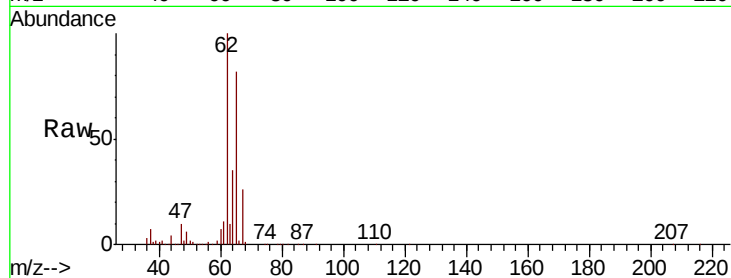
ClientSampleId :

Tot Ion: 62 Resp: 137280

Ion Ratio Lower Upper

62 100

64 34.5 24.2 45.0



#6

Bromomethane

Concen: 21.375 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW017783.D

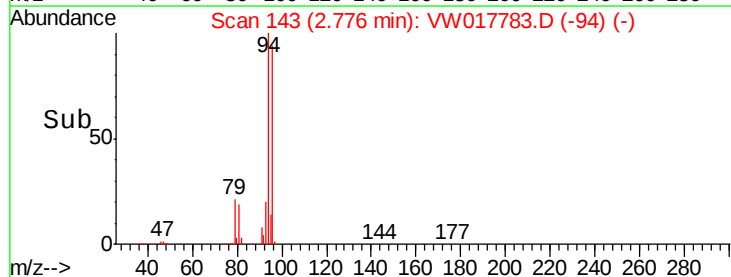
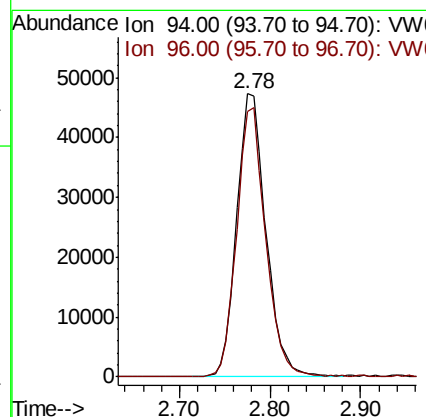
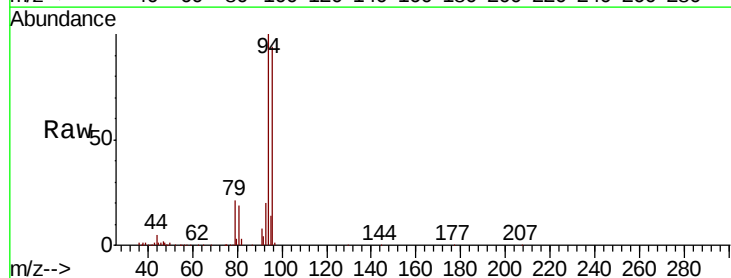
Acq: 30 Dec 2020 16:36

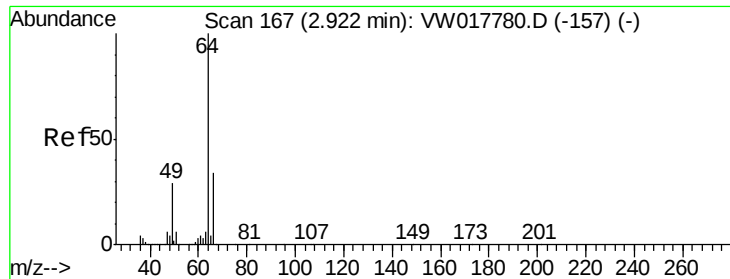
Tgt Ion: 94 Resp: 106015

Ion Ratio Lower Upper

94 100

96 93.7 65.3 121.3

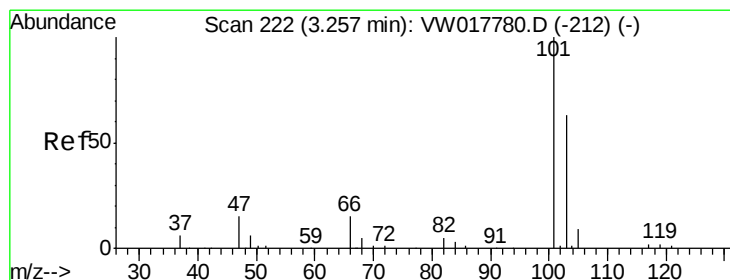
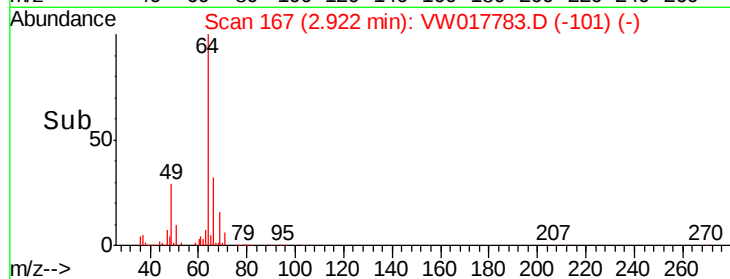
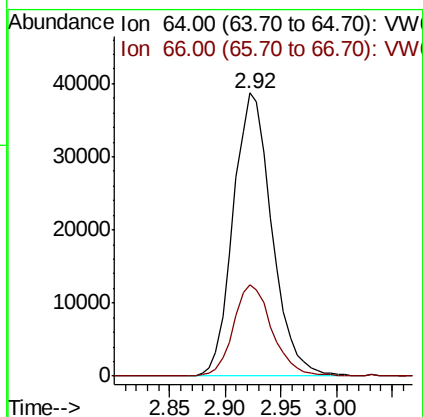
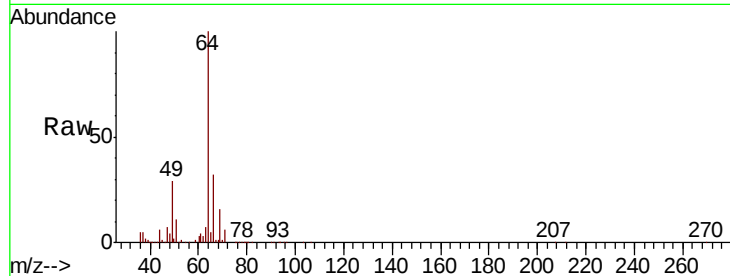




#8
Chloroethane
Concen: 25.200 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

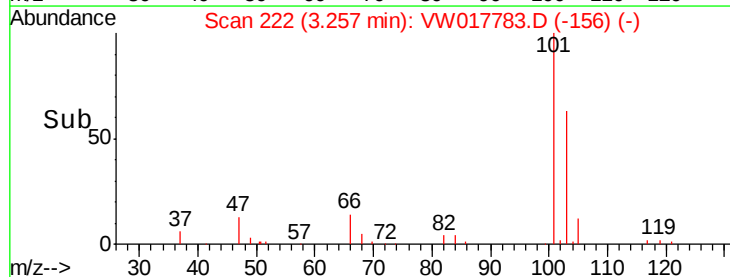
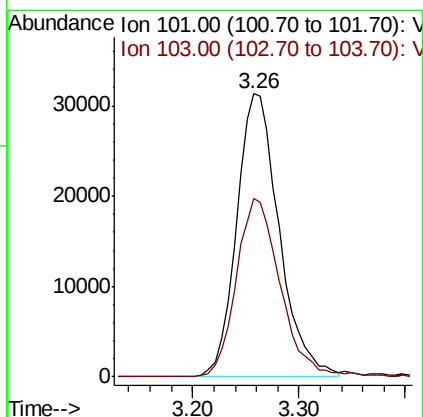
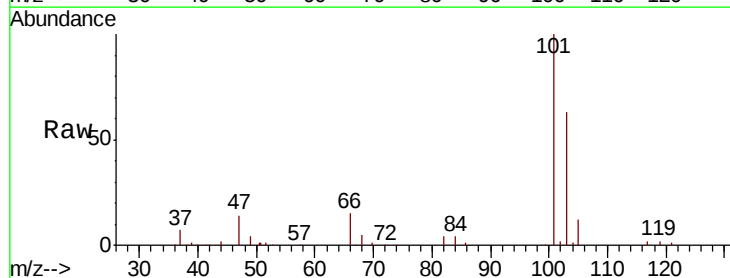
Instrument :
MSVOA_W
ClientSampleId :

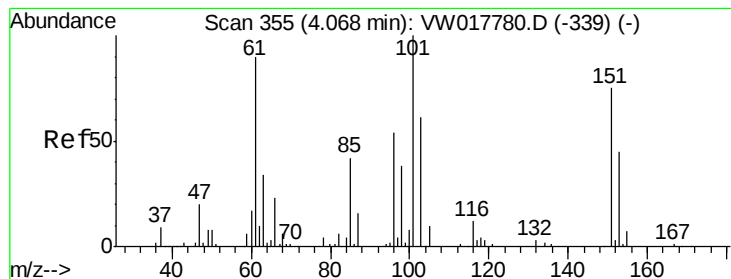
Tot Ion: 64 Resp: 93404
Ion Ratio Lower Upper
64 100
66 32.4 23.4 43.6



#9
Trichlorofluoromethane
Concen: 22.996 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Tgt Ion:101 Resp: 87649
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.4





#10

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

Concen: 24.014 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

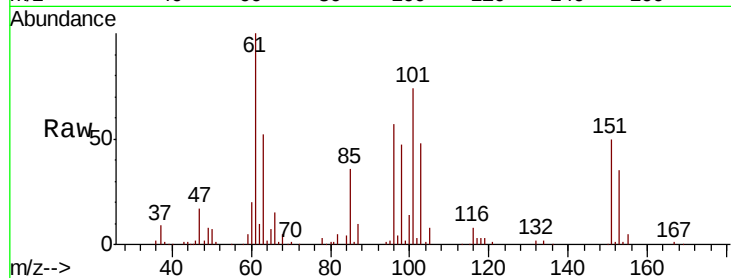
Tot Ion:101 Resp: 104903

Ion Ratio Lower Upper

101 100

85 48.8 38.2 57.2

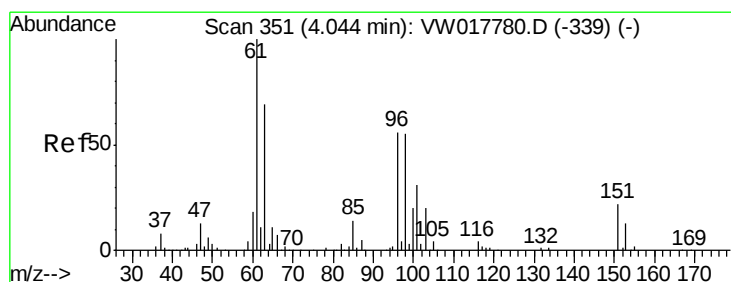
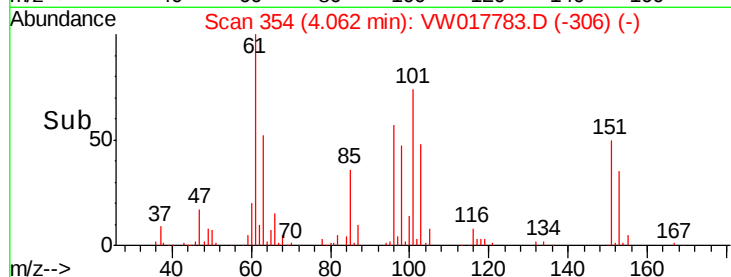
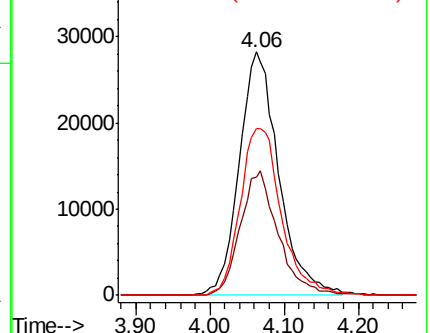
151 71.8 56.6 85.0



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: 24.557 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

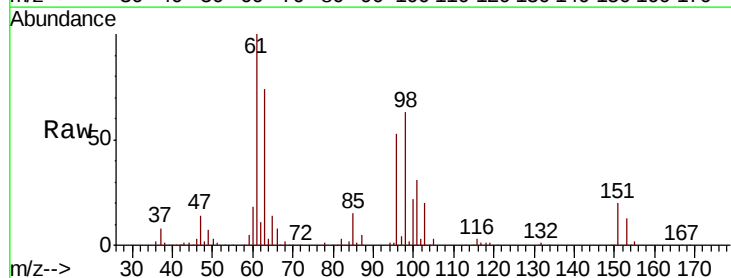
Tgt Ion: 96 Resp: 101738

Ion Ratio Lower Upper

96 100

61 189.1 118.1 219.3

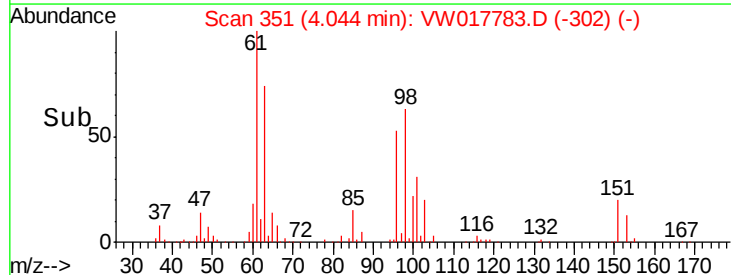
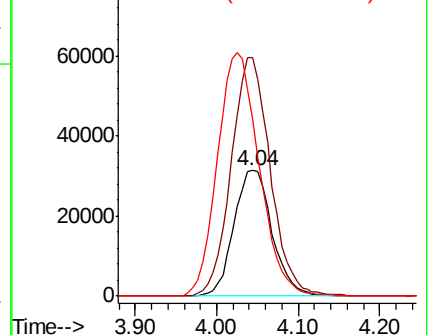
63 140.6 83.7 155.5

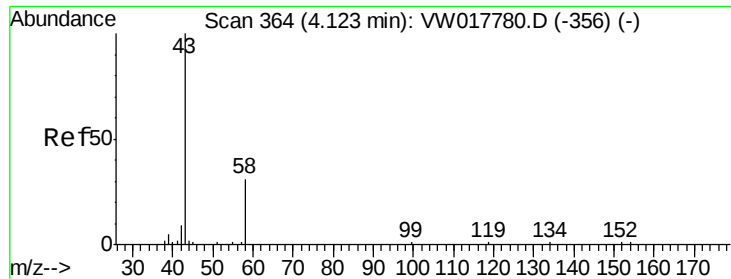


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.750 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

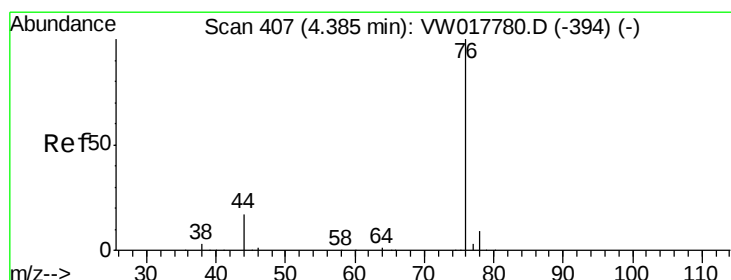
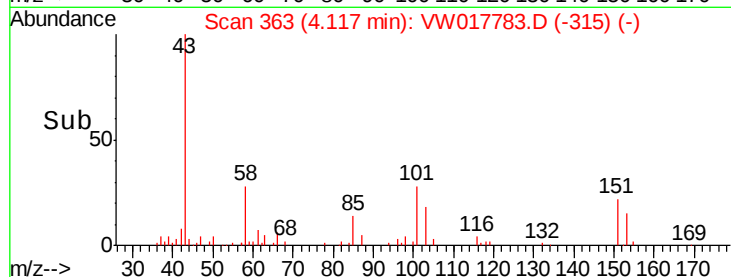
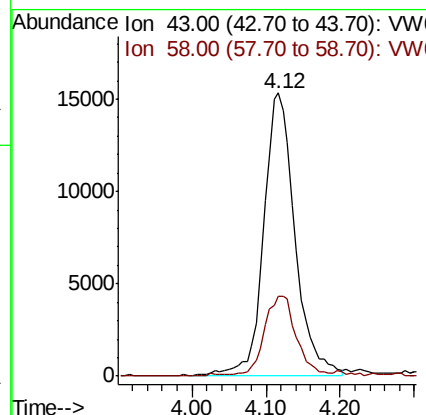
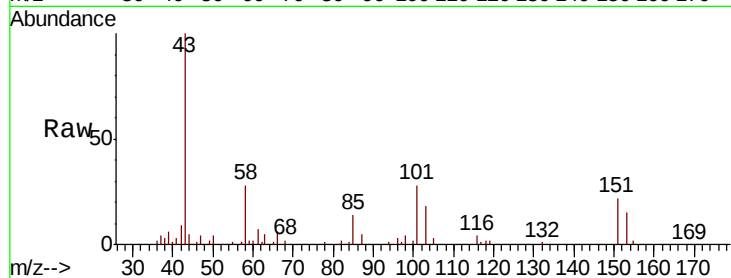
ClientSampleId :

Tot Ion: 43 Resp: 45129

Ion Ratio Lower Upper

43 100

58 28.9 0.0 53.8



#14

Carbon disulfide

Concen: 25.497 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017783.D

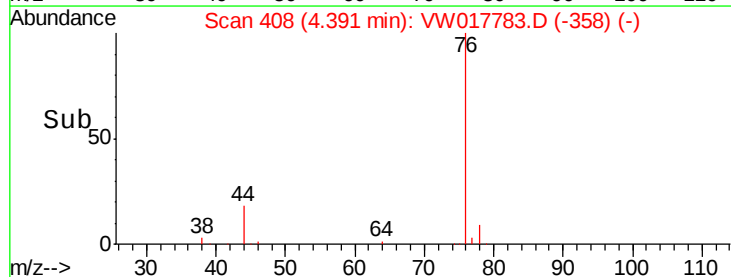
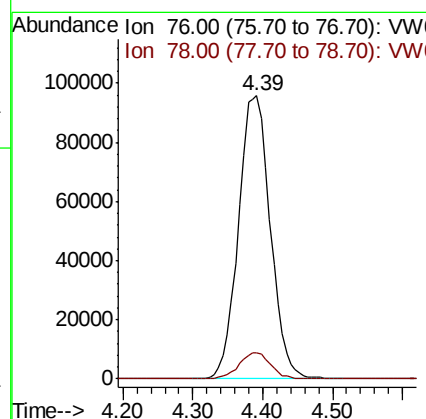
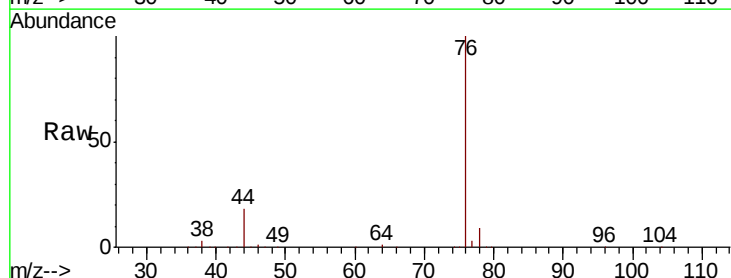
Acq: 30 Dec 2020 16:36

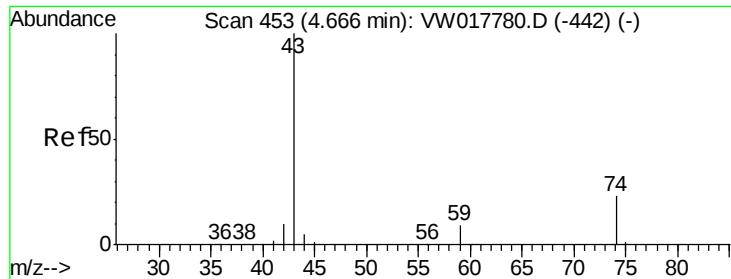
Tgt Ion: 76 Resp: 302817

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

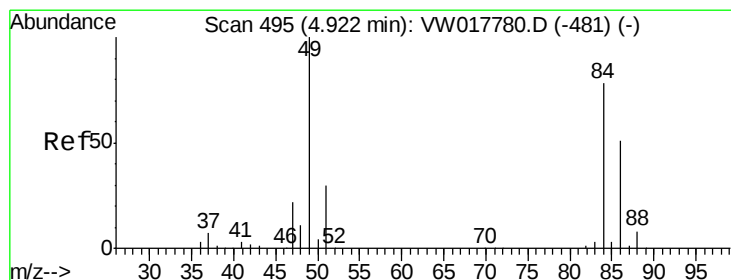
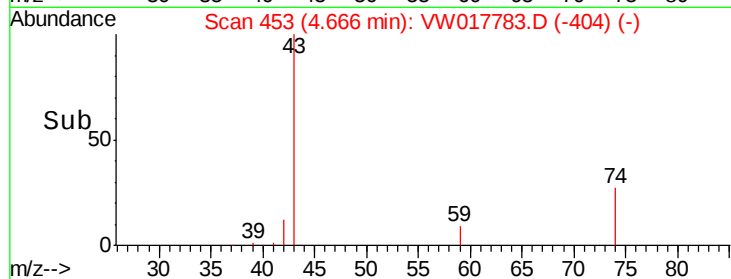
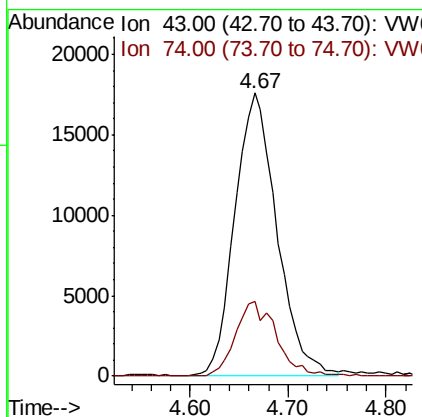
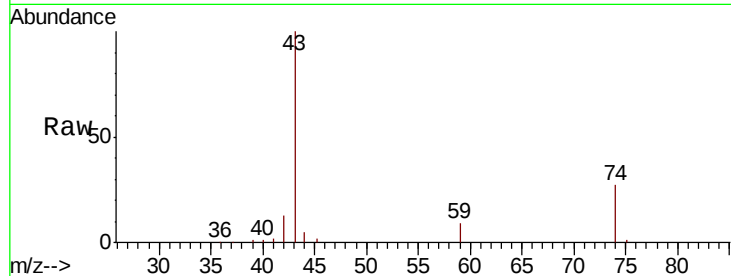




#15
Methvl Acetate
Concen: 25.855 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

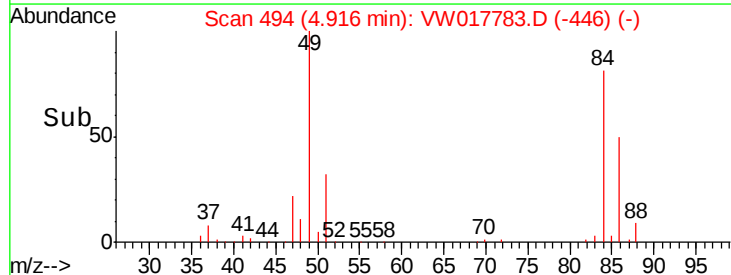
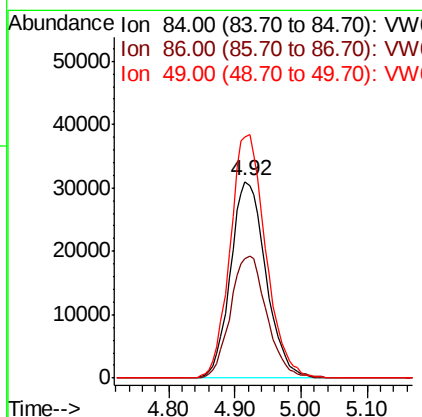
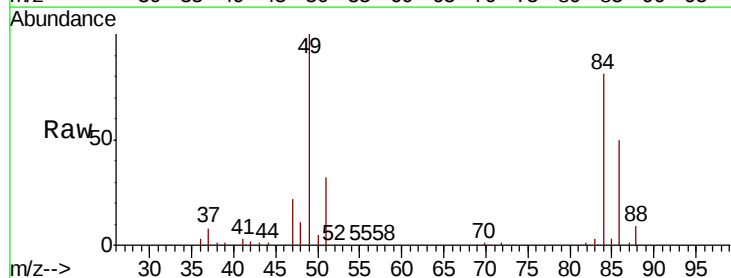
Instrument :
MSVOA_W
ClientSampleId :

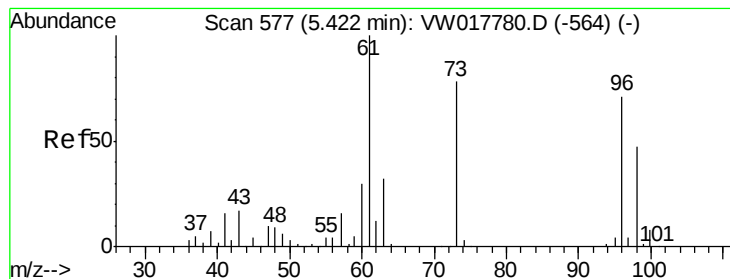
Tot Ion: 43 Resp: 52787
Ion Ratio Lower Upper
43 100
74 15.7 20.0 30.0#



#16
Methylene chloride
Concen: 22.024 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Tgt Ion: 84 Resp: 115138
Ion Ratio Lower Upper
84 100
86 61.0 45.3 84.1
49 122.8 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 25.767 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

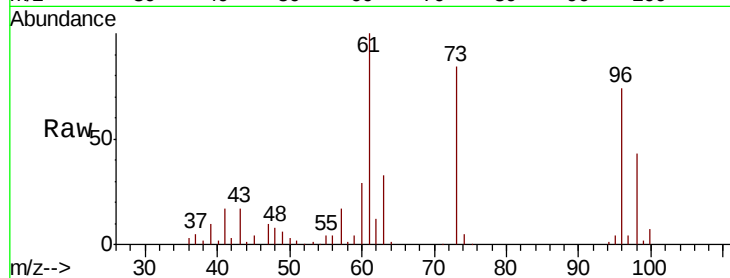
Tot Ion: 96 Resp: 114391

Ion Ratio Lower Upper

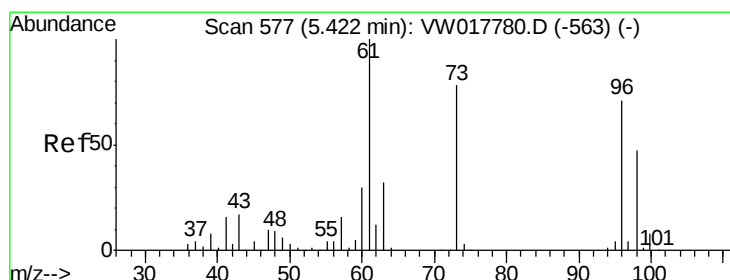
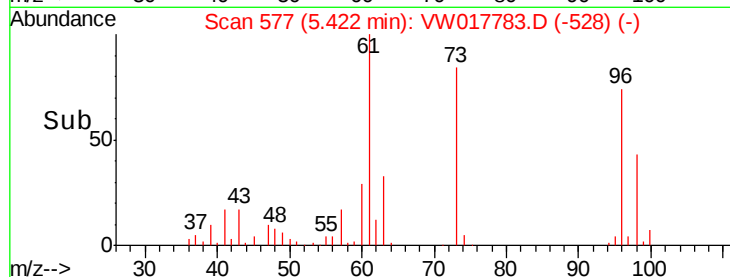
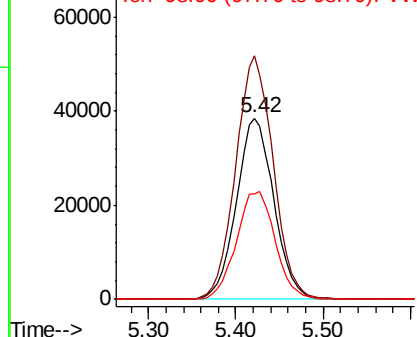
96 100

61 134.6 98.3 182.7

98 58.3 46.1 85.7



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



#18

Methyl tert-butyl Ether

Concen: 25.656 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

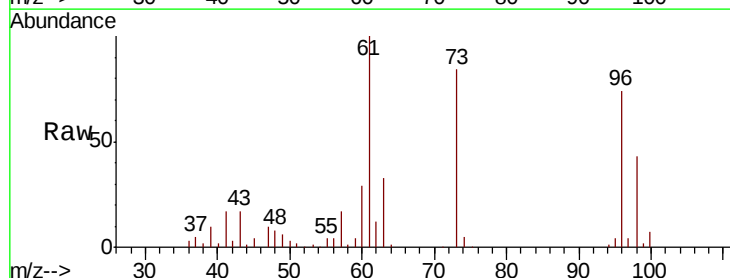
Tgt Ion: 73 Resp: 145097

Ion Ratio Lower Upper

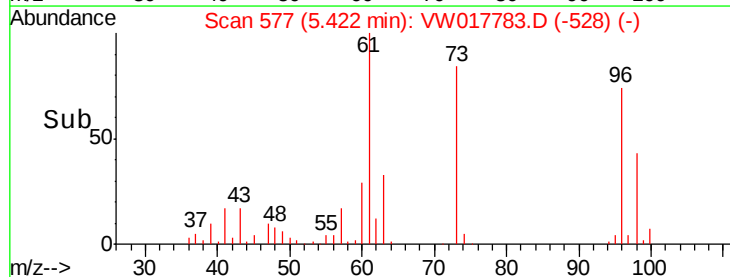
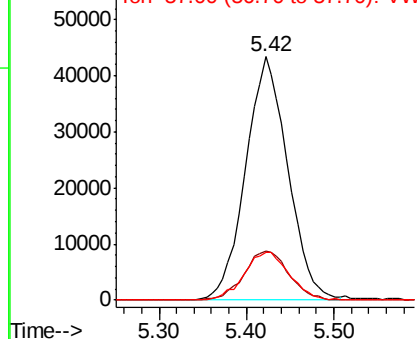
73 100

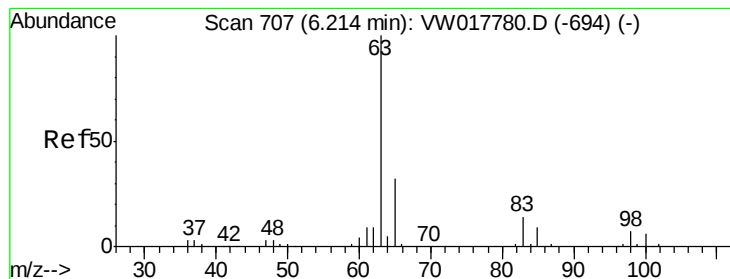
43 21.6 17.7 26.5

57 20.8 17.0 25.4



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





#19

1,1-Dichloroethane

Concen: 25.309 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

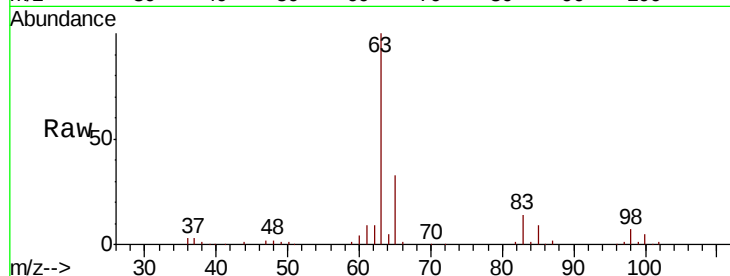
Tot Ion: 63 Resp: 199059

Ion Ratio Lower Upper

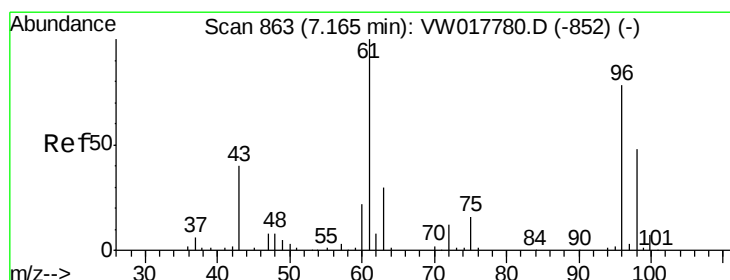
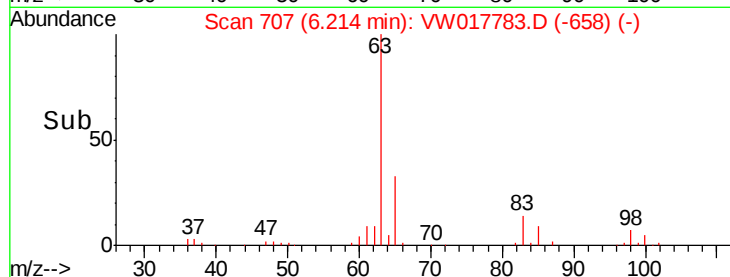
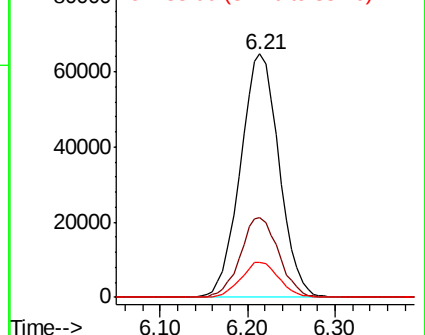
63 100

65 32.9 22.9 42.5

83 14.3 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 25.514 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

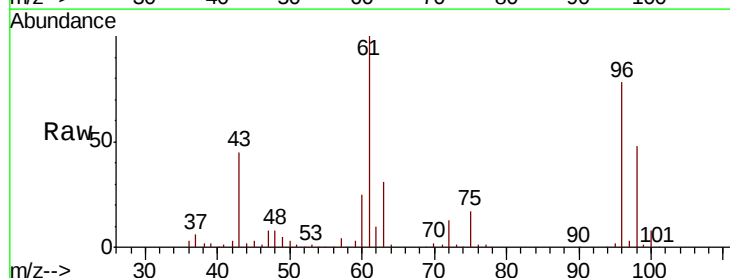
Tgt Ion: 96 Resp: 121200

Ion Ratio Lower Upper

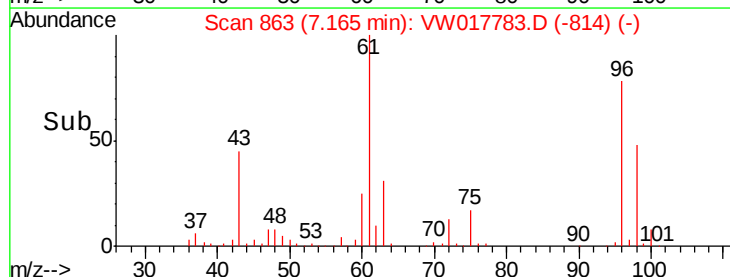
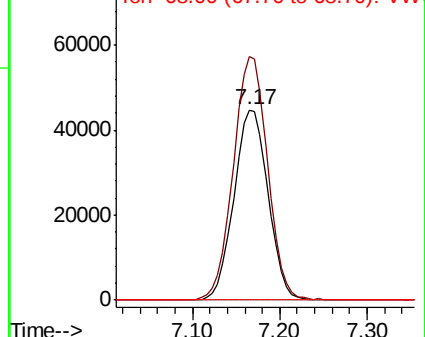
96 100

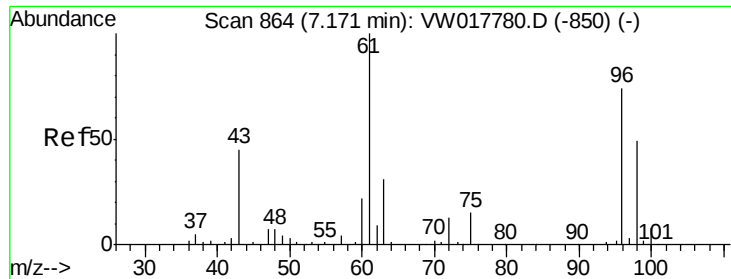
61 127.9 88.5 164.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 46.144 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

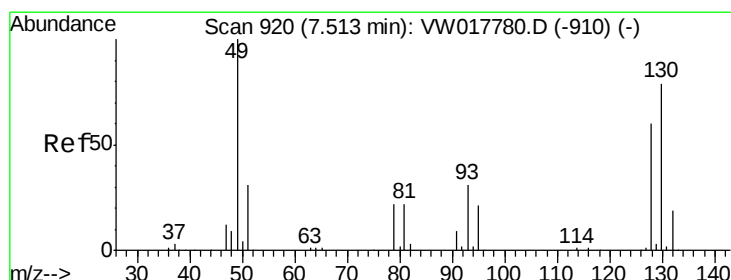
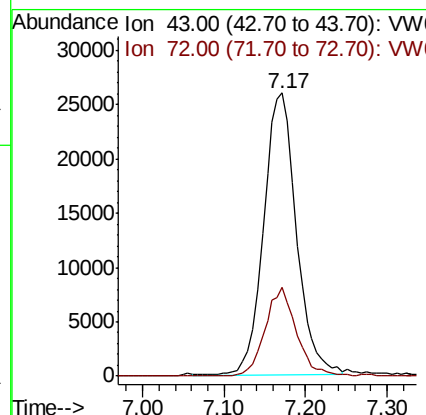
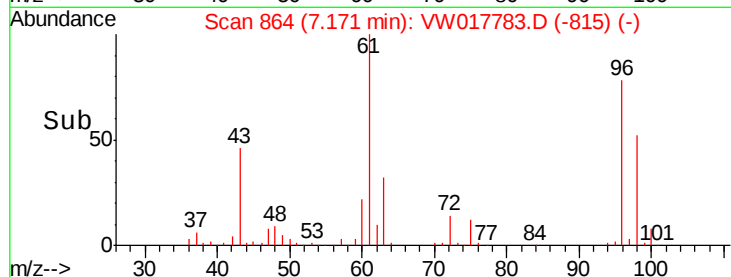
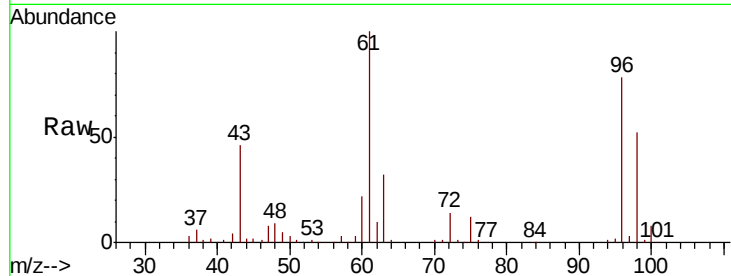
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 72468

Ion Ratio Lower Upper

43 100

72 30.0 14.9 44.7



#23

Bromochloromethane

Concen: 25.450 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Tgt Ion:128 Resp: 55325

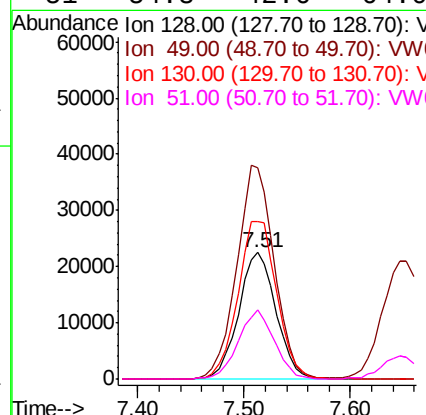
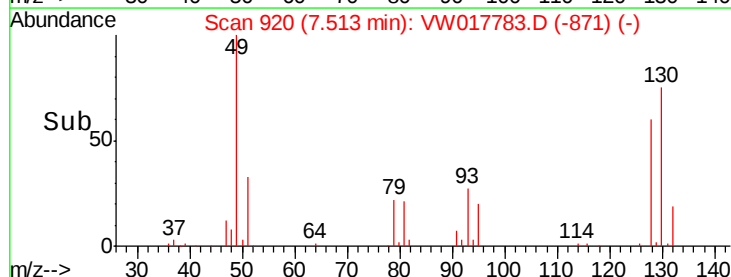
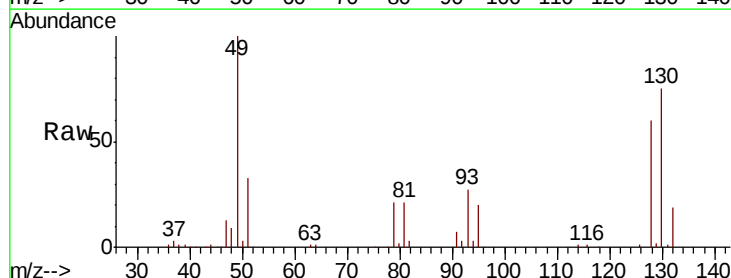
Ion Ratio Lower Upper

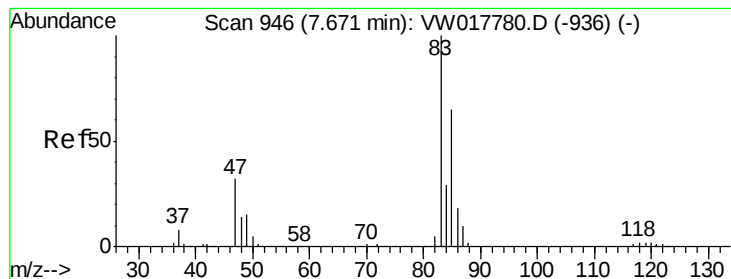
128 100

49 167.3 116.3 215.9

130 124.7 82.4 153.0

51 54.8 42.6 64.0





#25

Chloroform

Concen: 25.406 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

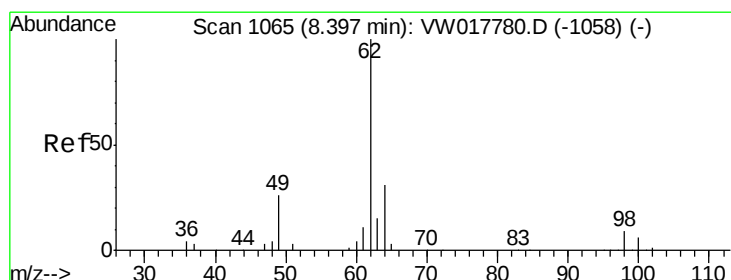
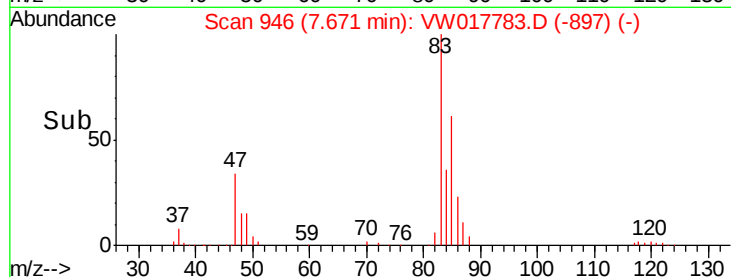
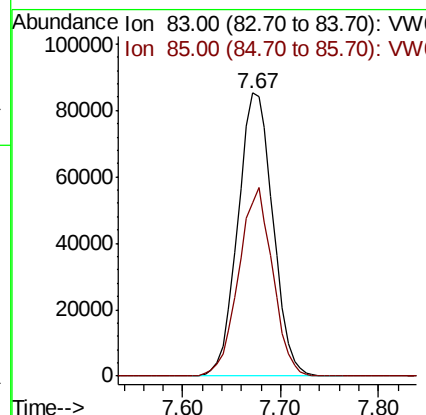
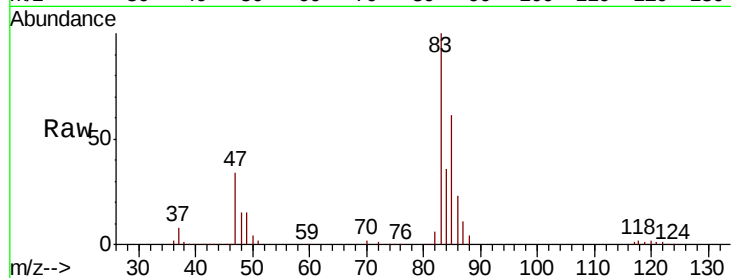
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 211953

Ion Ratio Lower Upper

83 100

85 61.2 44.6 82.8



#27

1,2-Dichloroethane

Concen: 25.960 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW017783.D

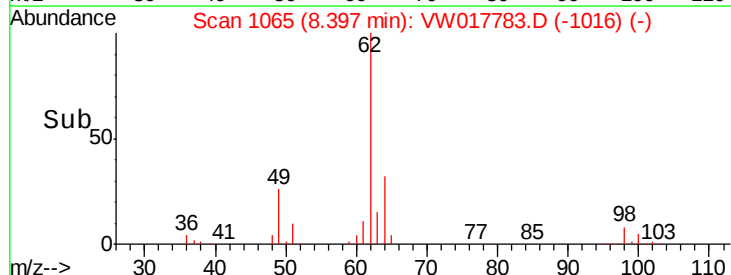
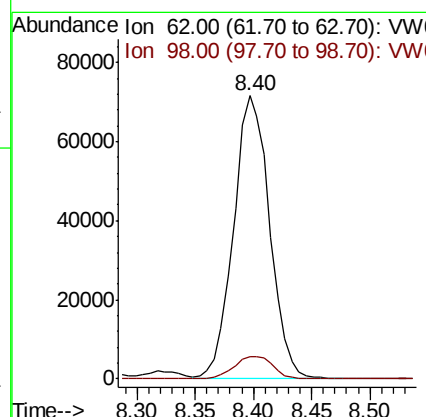
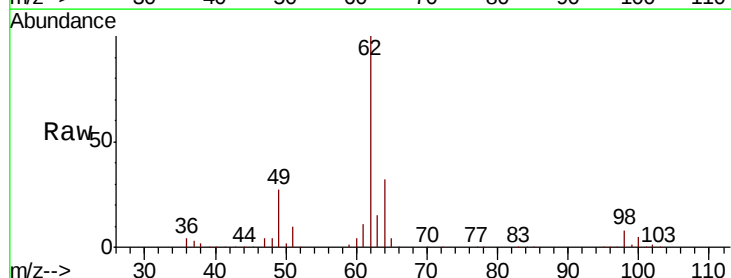
Acq: 30 Dec 2020 16:36

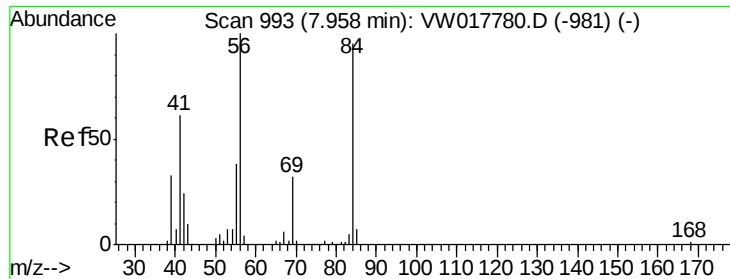
Tgt Ion: 62 Resp: 154661

Ion Ratio Lower Upper

62 100

98 8.1 6.9 10.3

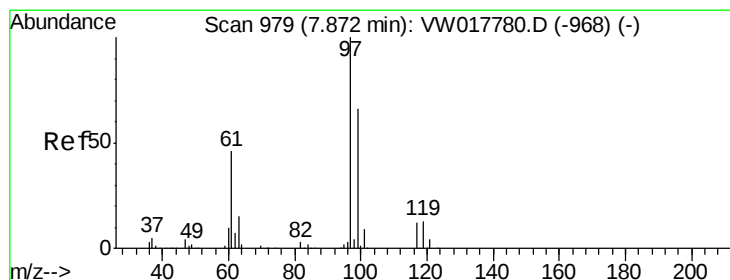
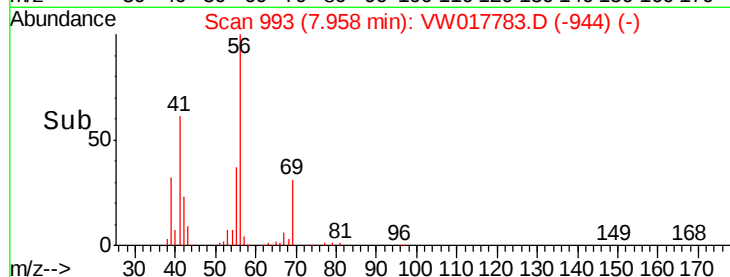
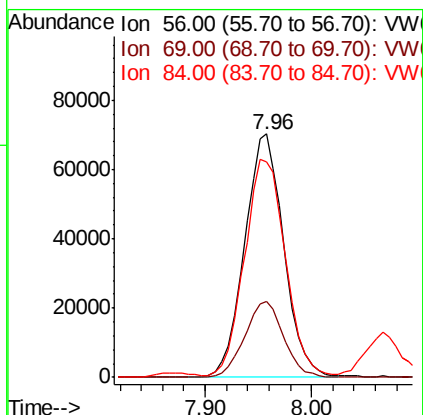
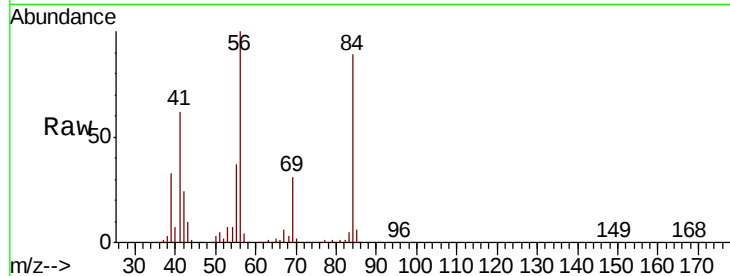




#29
Cyclohexane
Concen: 25.283 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

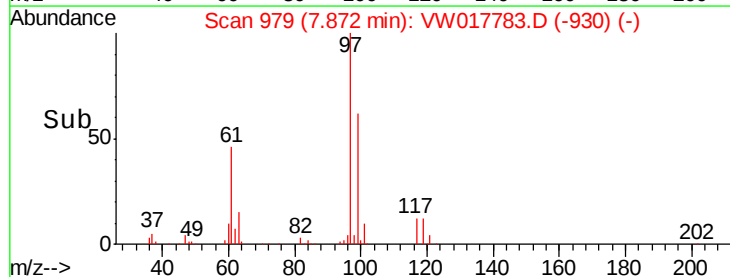
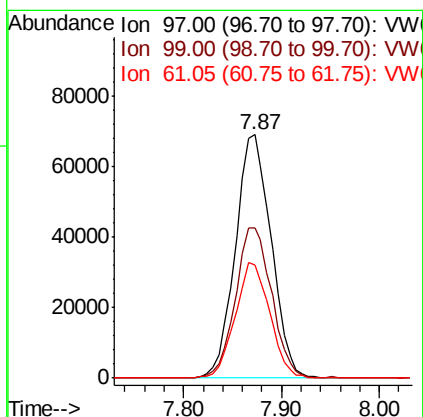
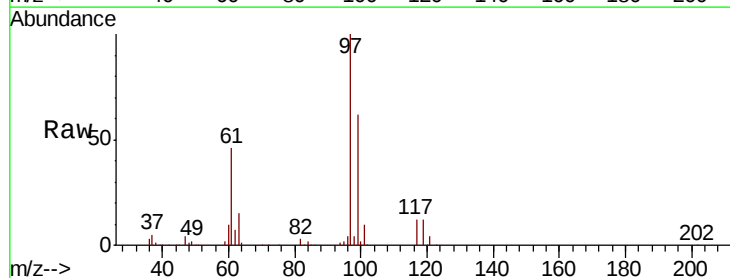
Instrument :
MSVOA_W
ClientSampleId :

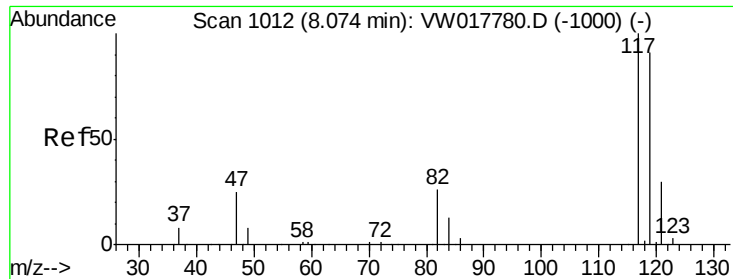
Tot Ion: 56 Resp: 181061
Ion Ratio Lower Upper
56 100
69 31.2 24.5 36.7
84 94.2 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 24.963 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Tgt Ion: 97 Resp: 175147
Ion Ratio Lower Upper
97 100
99 62.4 51.4 77.2
61 45.9 37.8 56.6

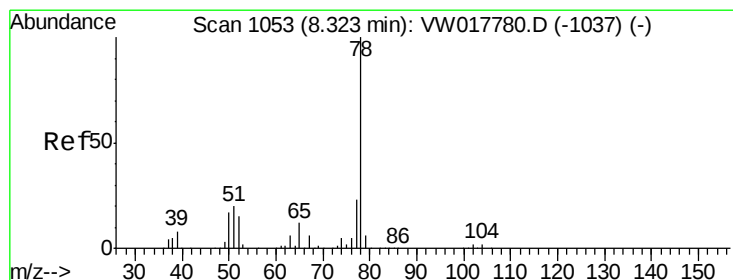
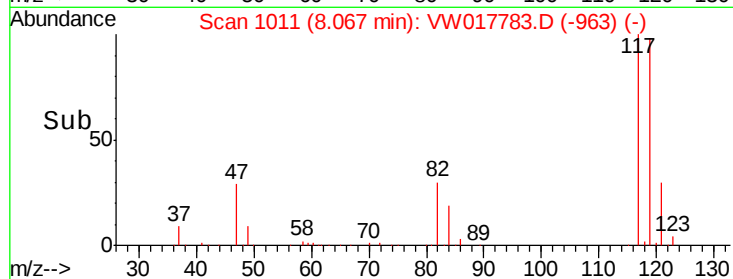
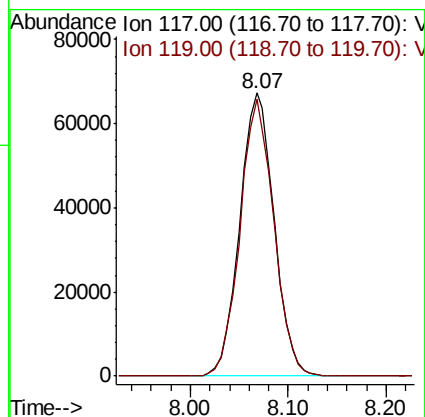
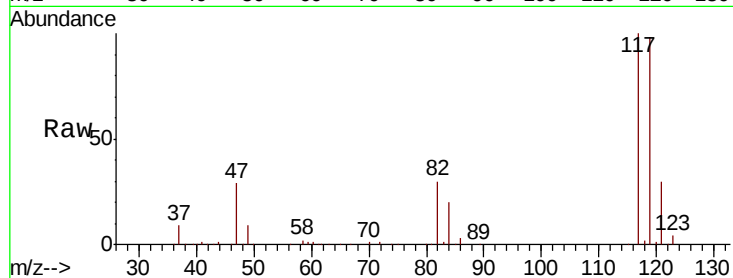




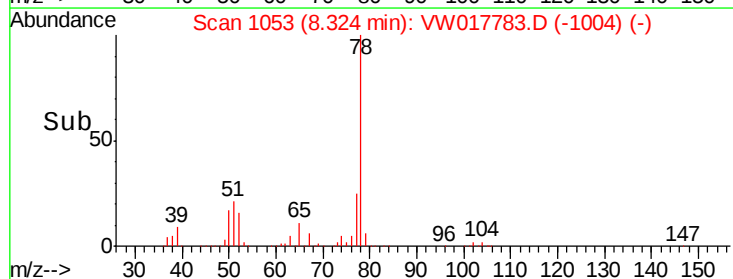
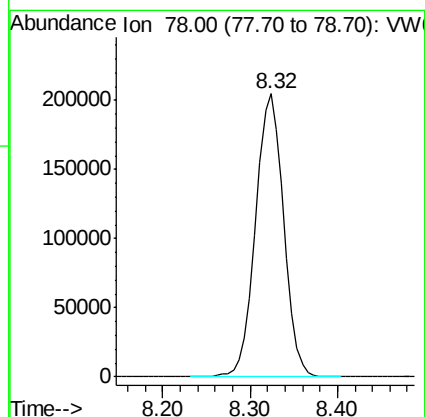
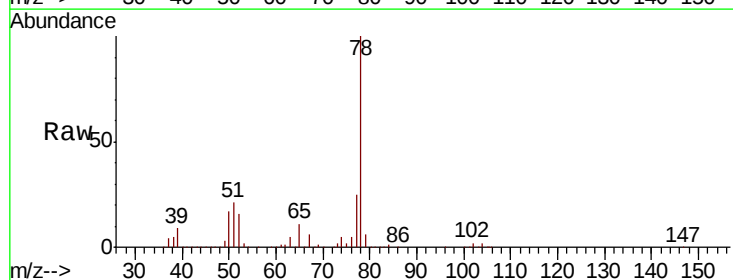
#31
Carbon tetrachloride
Concen: 24.855 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

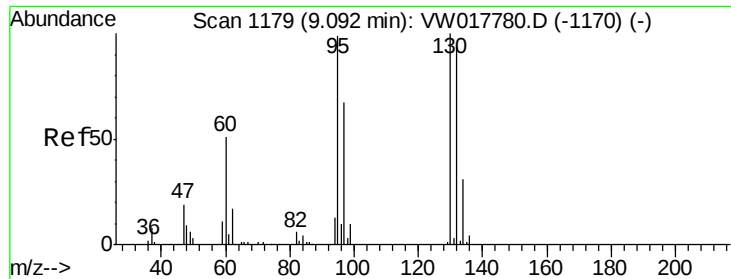
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 163800
Ion Ratio Lower Upper
117 100
119 95.9 76.5 114.7



#33
Benzene
Concen: 25.695 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36
Tgt Ion: 78 Resp: 457861

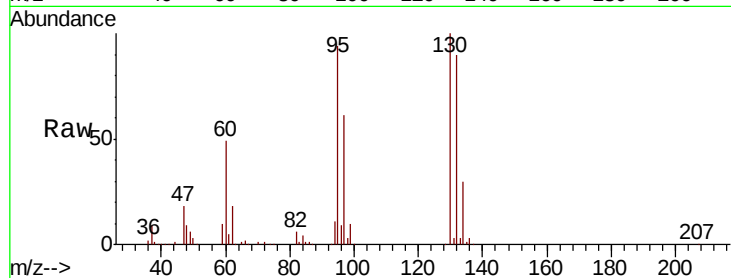




#34
 Trichloroethene
 Concen: 24.944 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	95	Resp	121388
Ion	Ratio	Lower	Upper
95	100		
97	64.4	47.3	87.8
132	95.1	71.0	131.8
130	106.1	65.1	120.9



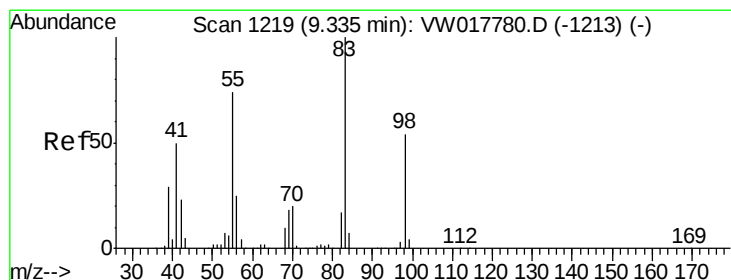
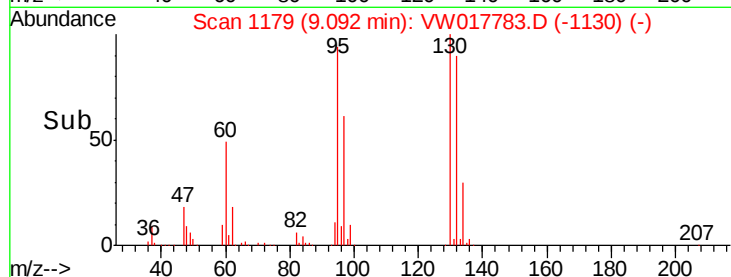
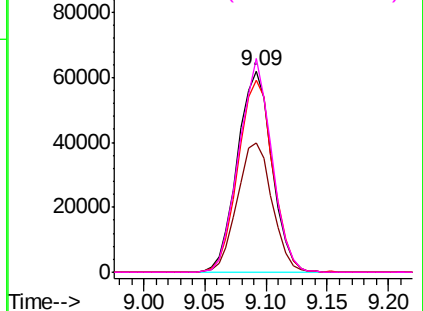
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

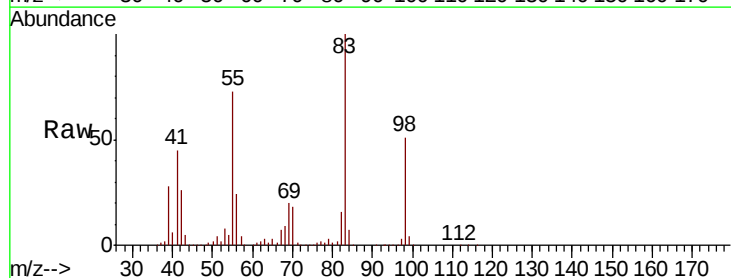
Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35
 Methylcyclohexane
 Concen: 25.938 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Tgt Ion	83	Resp	216139
Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.9	88.3
98	49.2	40.1	60.1

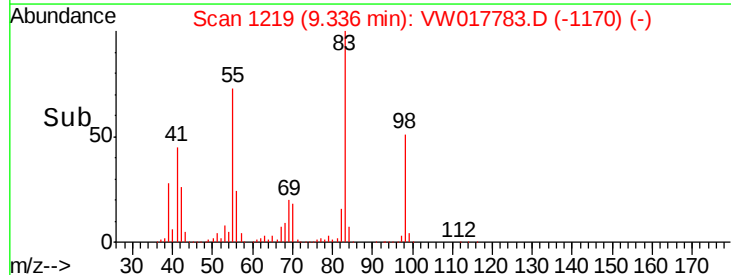
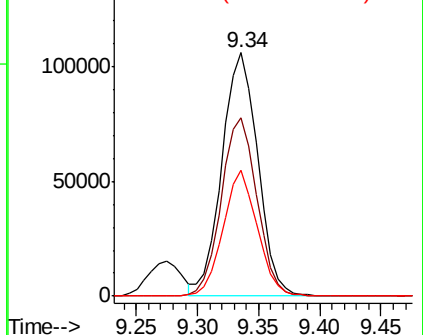


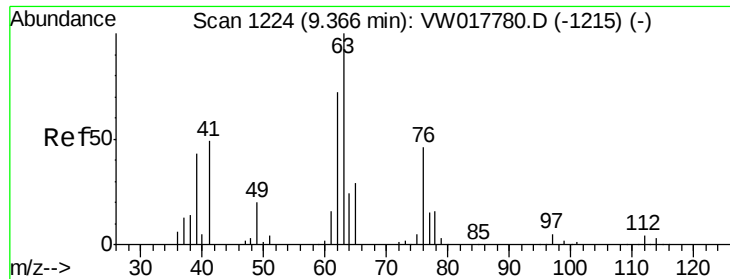
Abundance

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

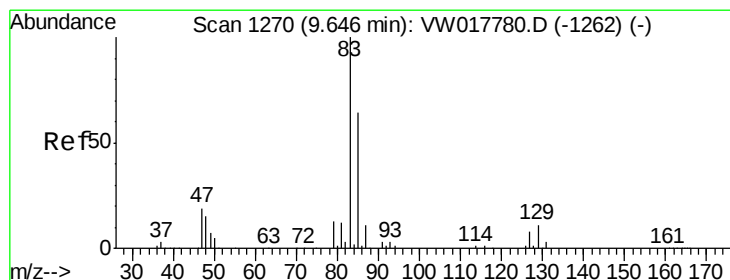
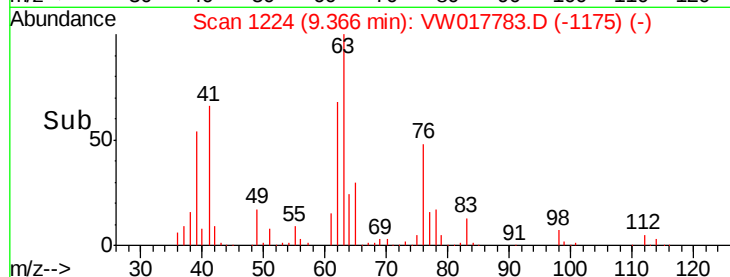
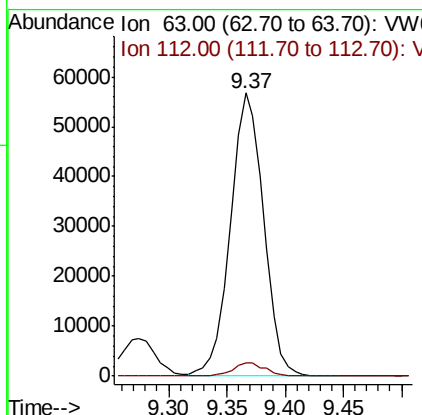
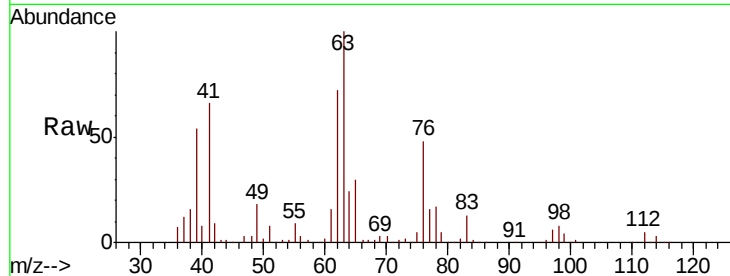




#37
 1,2-Dichloropropane
 Concen: 26.046 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

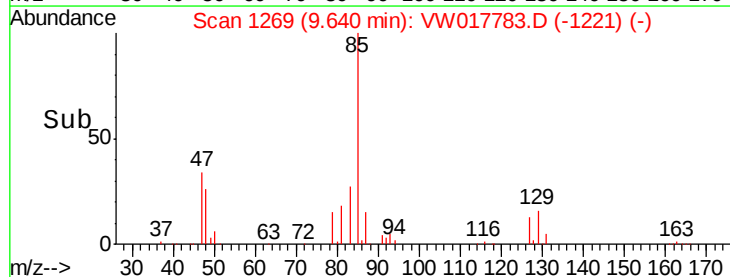
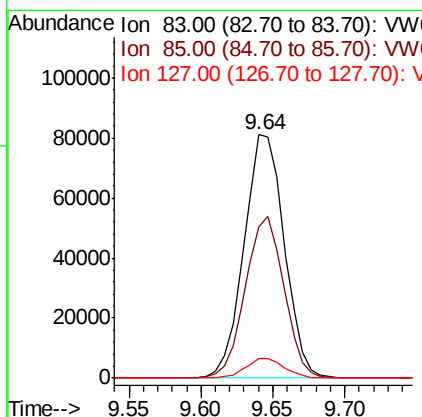
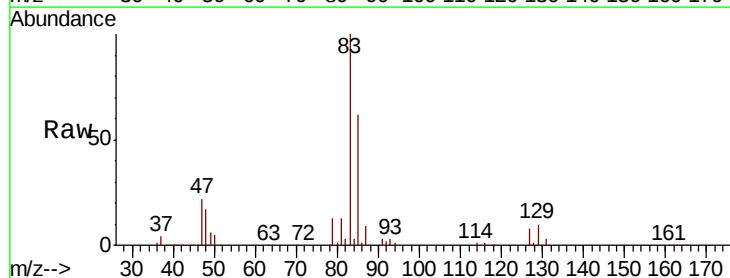
Instrument :
 MSVOA_W
 ClientSampleId :

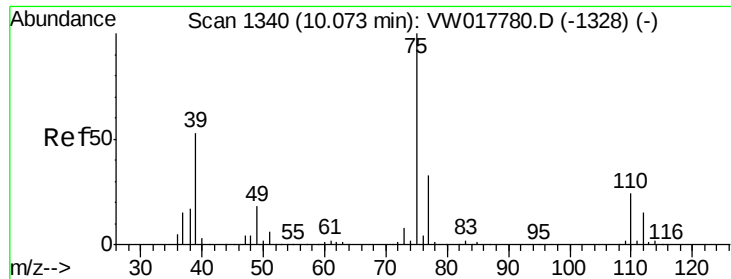
Tot Ion: 63 Resp: 112337
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 25.748 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Tgt Ion: 83 Resp: 156851
 Ion Ratio Lower Upper
 83 100
 85 62.2 42.3 78.5
 127 8.1 6.6 9.8

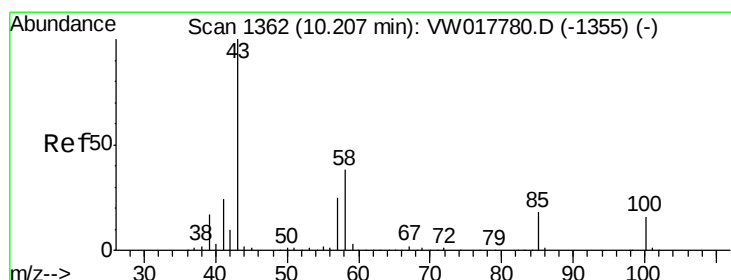
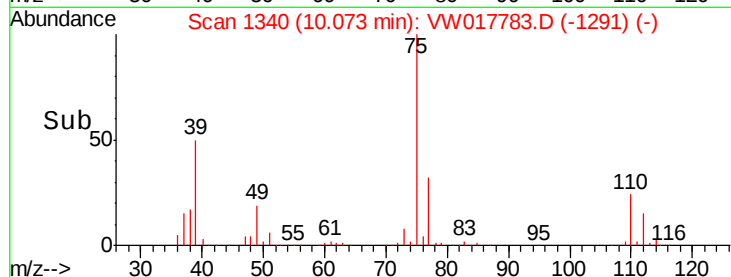
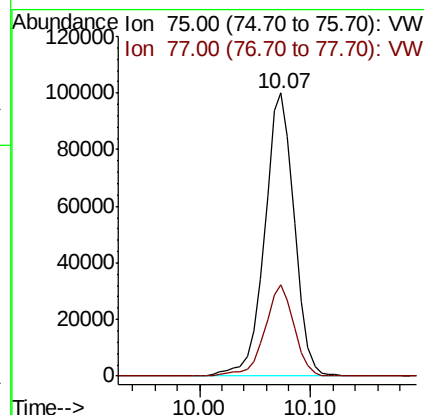
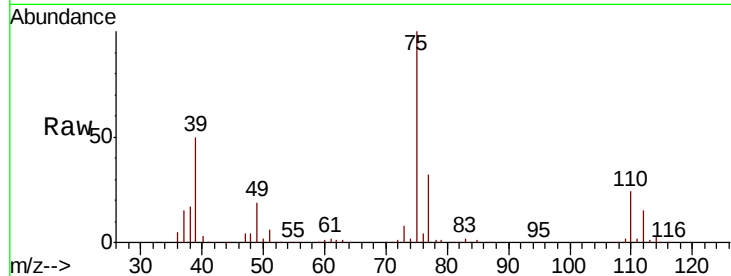




#39
 cis-1,3-Dichloropropene
 Concen: 26.911 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

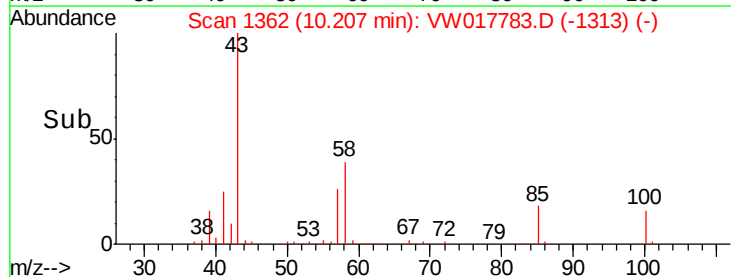
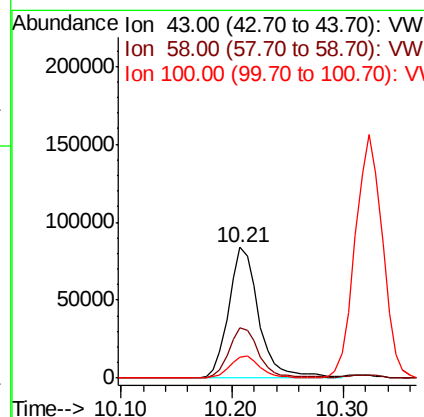
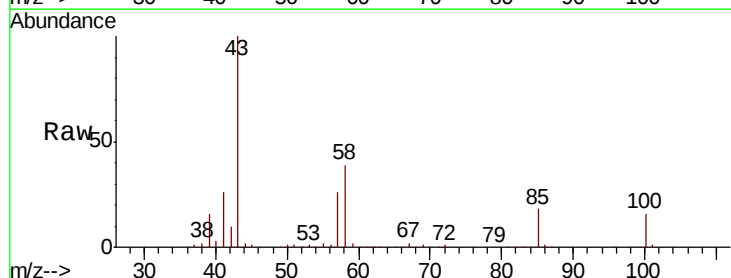
Instrument :
 MSVOA_W
 ClientSampled :

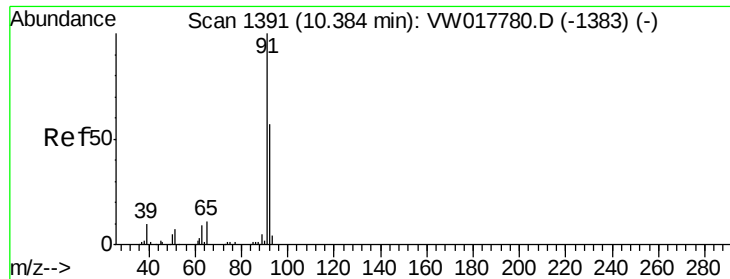
Tot Ion: 75 Resp: 185304
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 51.610 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Tgt Ion: 43 Resp: 157996
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.0 46.4
 100 16.8 13.0 19.6





#42

Toluene

Concen: 25.440 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

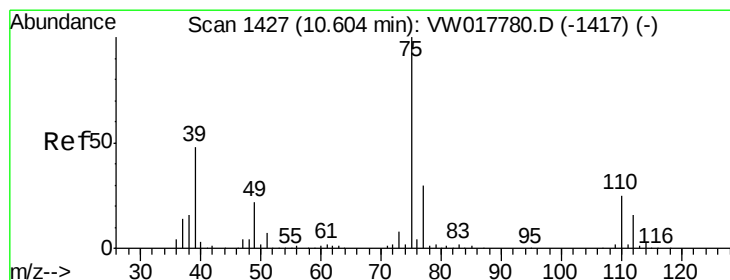
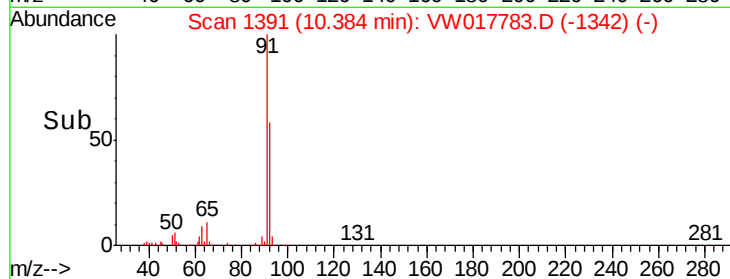
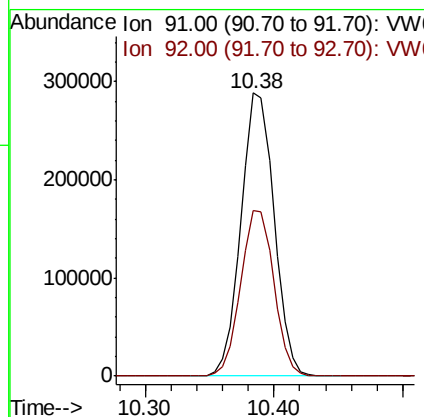
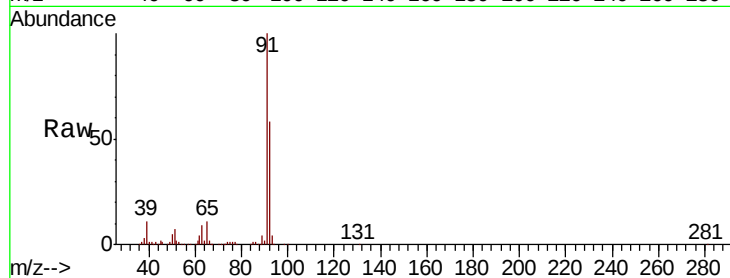
ClientSampleId :

Tot Ion: 91 Resp: 513422

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 26.769 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017783.D

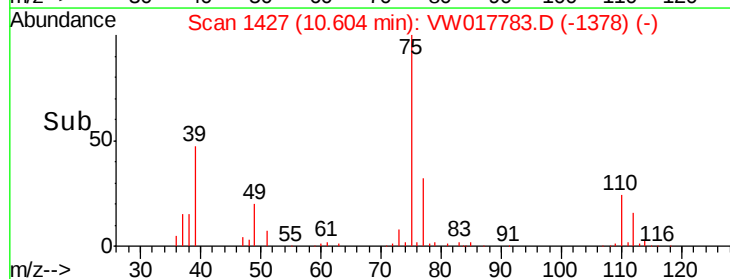
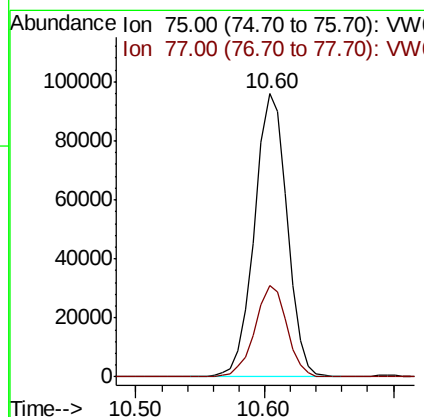
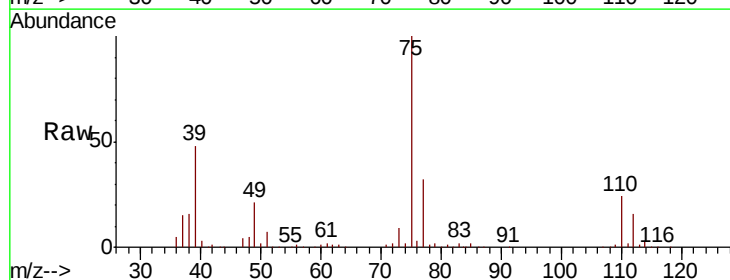
Acq: 30 Dec 2020 16:36

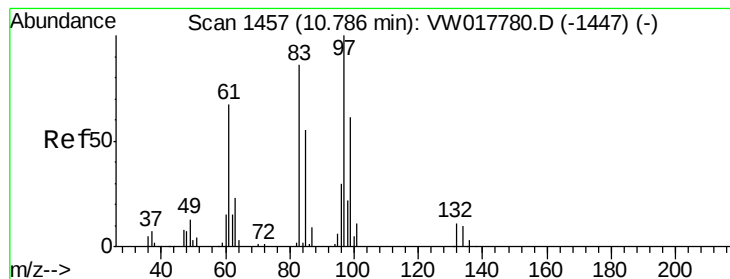
Tgt Ion: 75 Resp: 168082

Ion Ratio Lower Upper

75 100

77 32.2 21.1 39.1

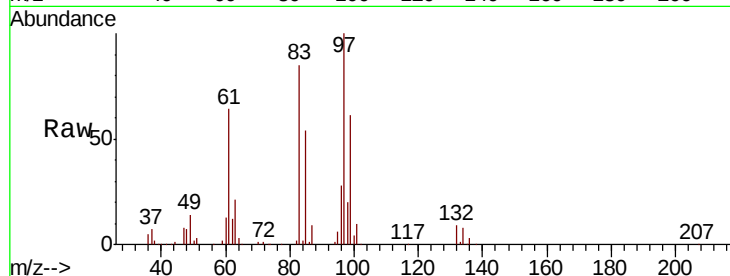




#45
 1,1,2-Trichloroethane
 Concen: 25.480 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	92238
Ion	Ratio	Lower	Upper
97	100		
99	61.5	45.1	83.7
83	84.7	58.1	107.9
85	54.5	37.3	69.3



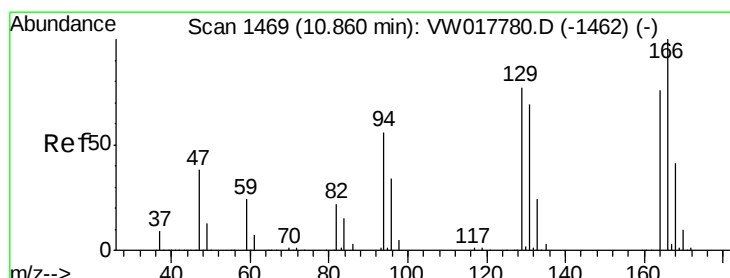
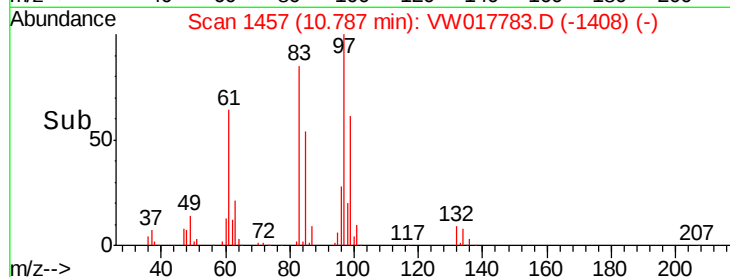
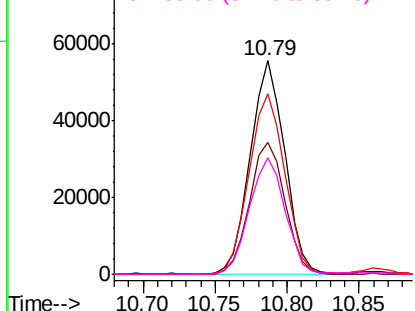
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

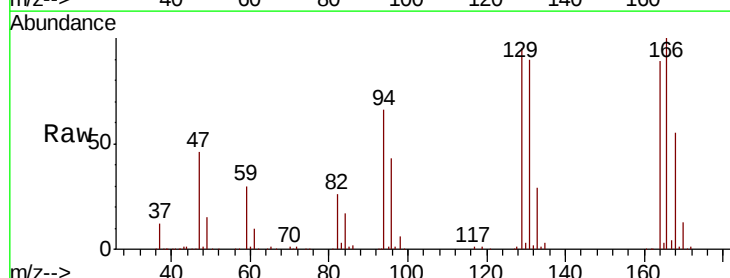
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46
 Tetrachloroethene
 Concen: 25.606 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Tgt Ion:	164	Resp:	95489
Ion	Ratio	Lower	Upper
164	100		
129	106.4	66.7	123.9
131	100.5	61.1	113.5
166	112.0	87.0	161.6



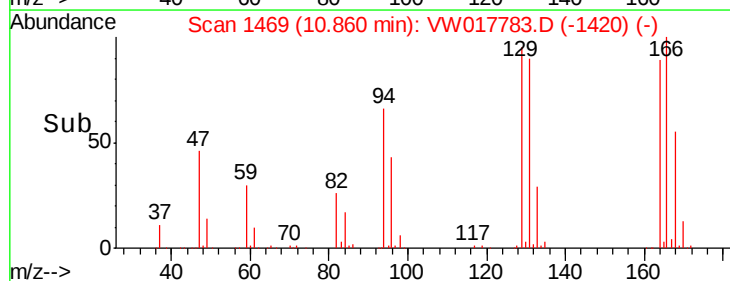
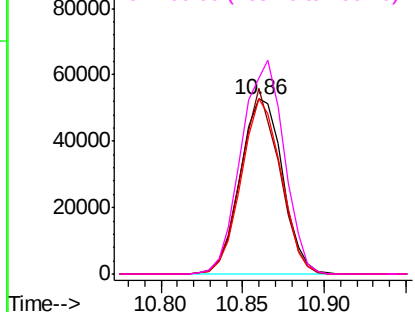
Abundance

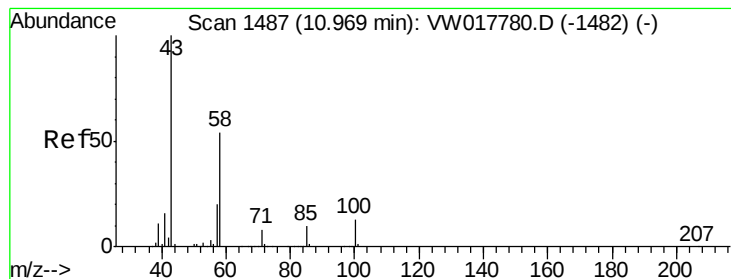
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 53.318 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 114351

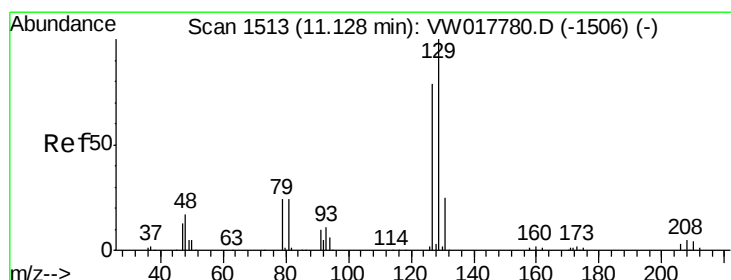
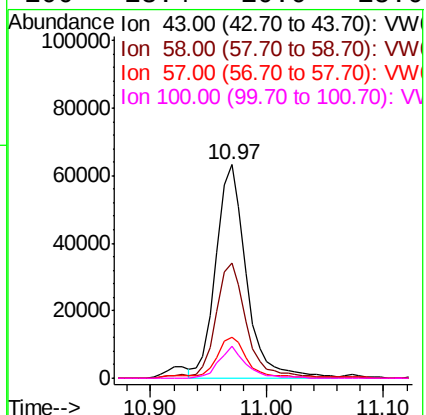
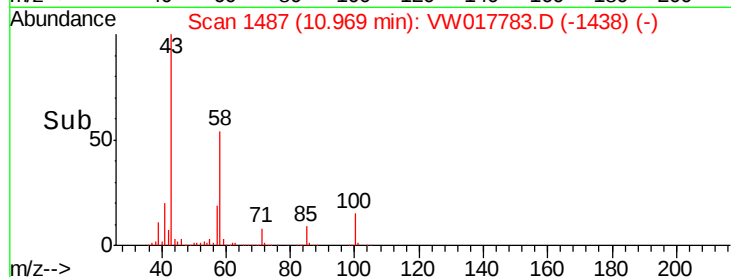
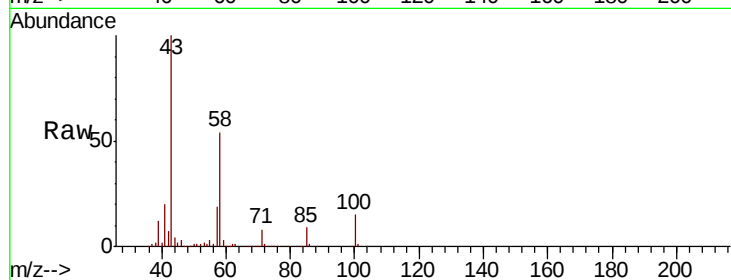
Ion Ratio Lower Upper

43 100

58 53.8 42.7 64.1

57 18.0 15.8 23.8

100 13.4 10.0 15.0



#49

Dibromochloromethane

Concen: 26.599 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017783.D

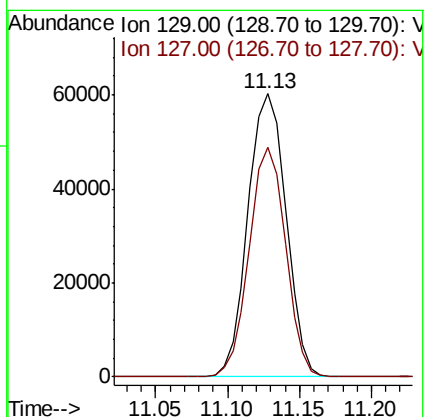
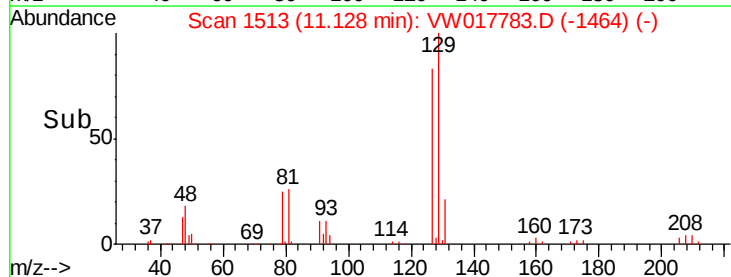
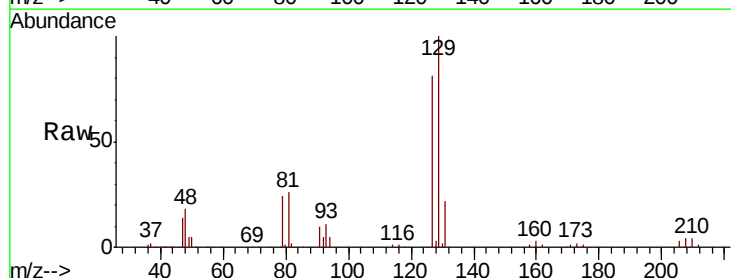
Acq: 30 Dec 2020 16:36

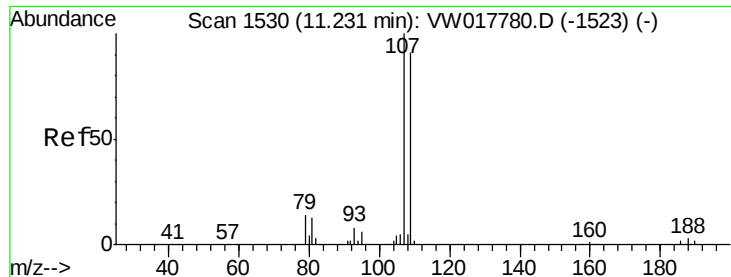
Tgt Ion: 129 Resp: 110503

Ion Ratio Lower Upper

129 100

127 81.3 51.7 95.9

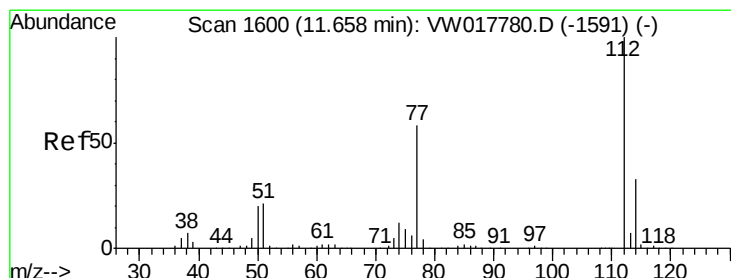
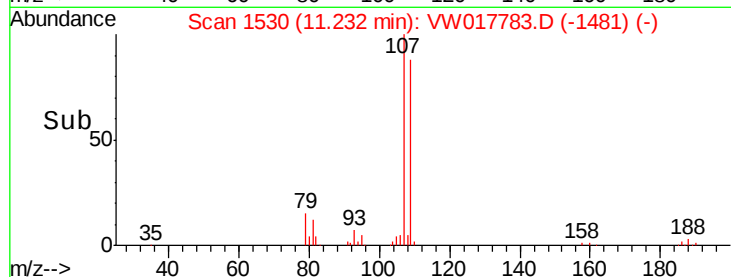
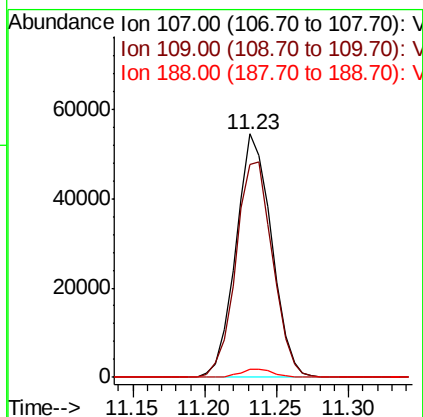
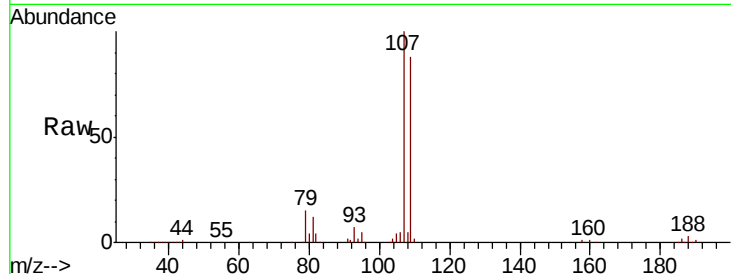




#50
1,2-Dibromoethane
Concen: 26.211 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

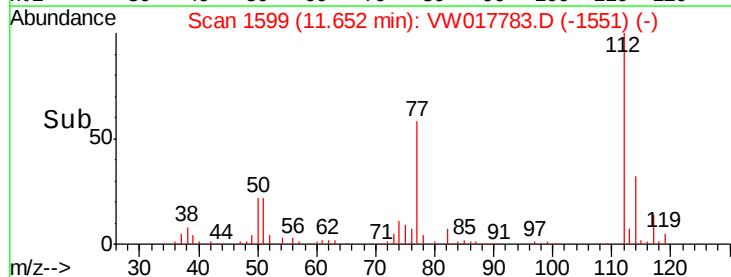
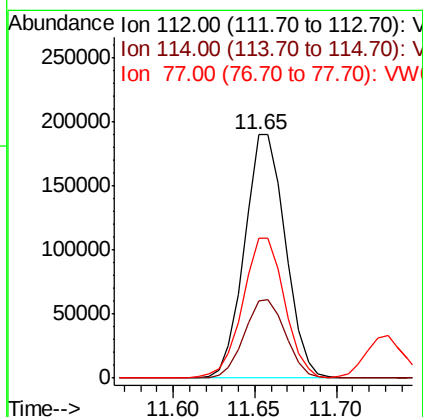
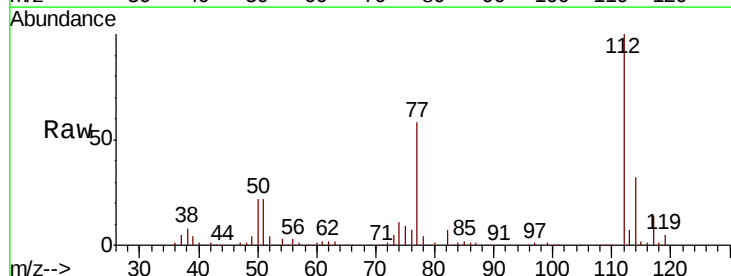
Instrument :
MSVOA_W
ClientSampleId :

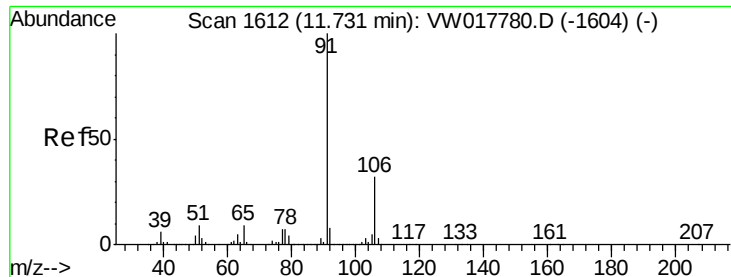
Tot Ion	Ratio	Lower	Upper
107	100		
109	87.5	65.4	121.4
188	3.5	2.6	4.0



#51
Chlorobenzene
Concen: 25.803 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	23.4	43.6
77	57.6	47.6	71.4

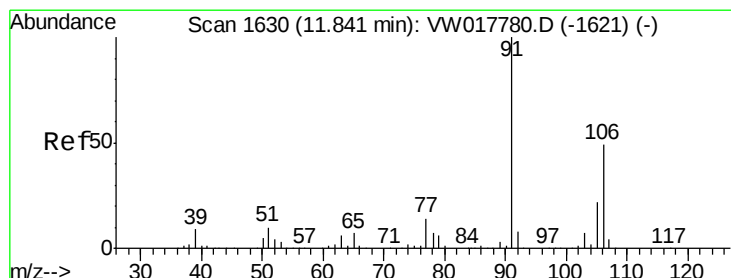
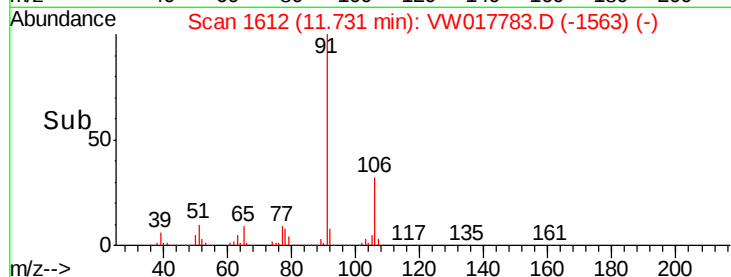
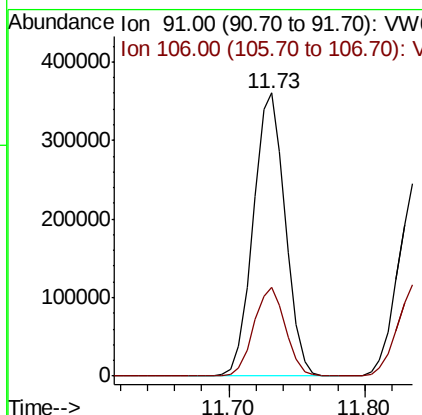
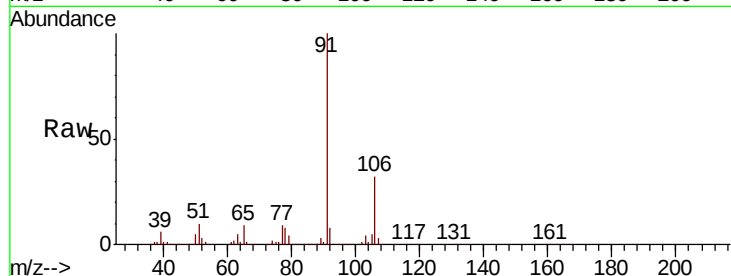




#52
Ethylbenzene
Concen: 25.767 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

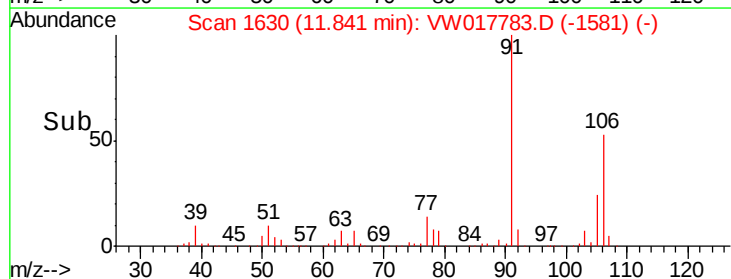
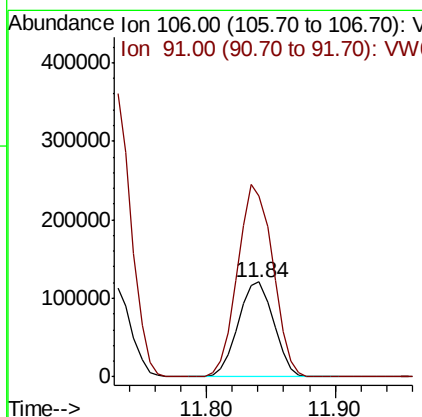
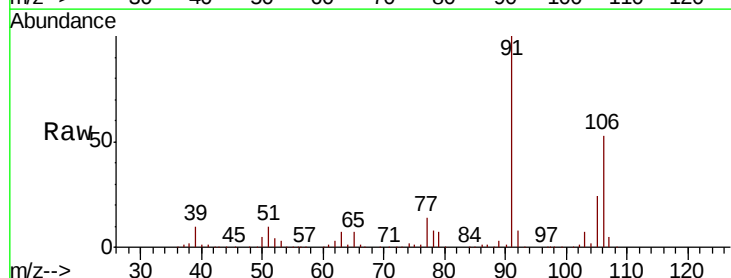
Instrument :
MSVOA_W
ClientSampled :

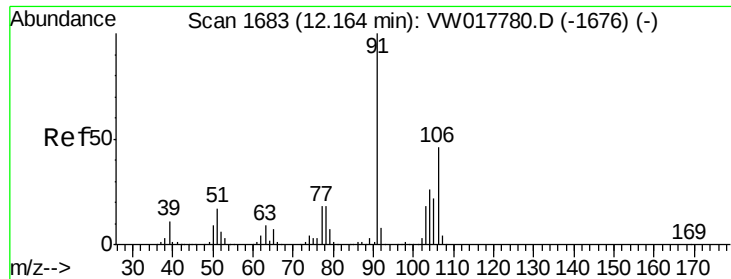
Tot Ion: 91 Resp: 593887
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.7



#53
m,p-Xylene
Concen: 25.964 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Tgt Ion: 106 Resp: 231528
Ion Ratio Lower Upper
106 100
91 190.4 141.3 262.3





#54

o-Xylene

Concen: 25.936 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

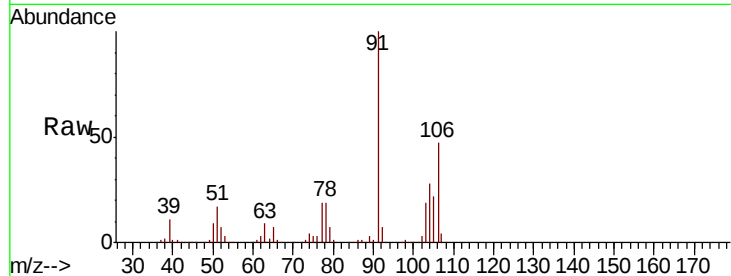
ClientSampleId :

Tot Ion:106 Resp: 218279

Ion Ratio Lower Upper

106 100

91 214.6 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

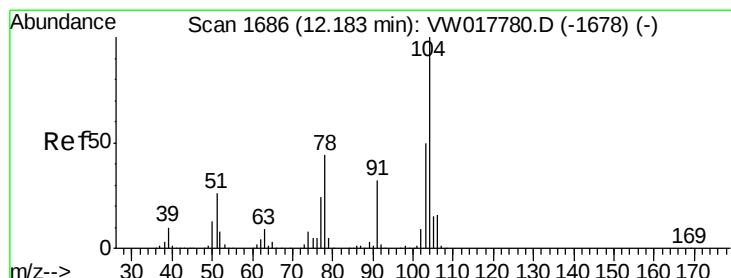
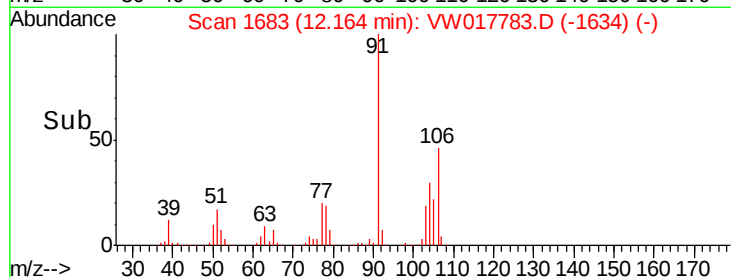
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#55

Styrene

Concen: 26.462 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW017783.D

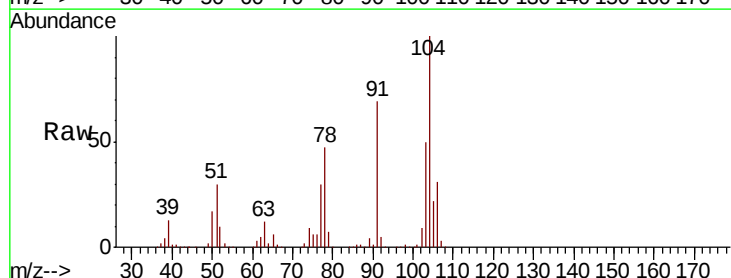
Acq: 30 Dec 2020 16:36

Tgt Ion:104 Resp: 381051

Ion Ratio Lower Upper

104 100

78 47.3 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

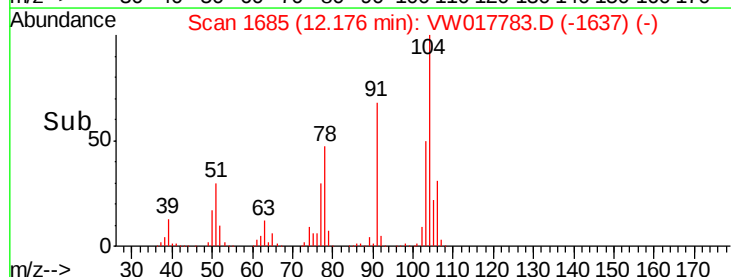
100000

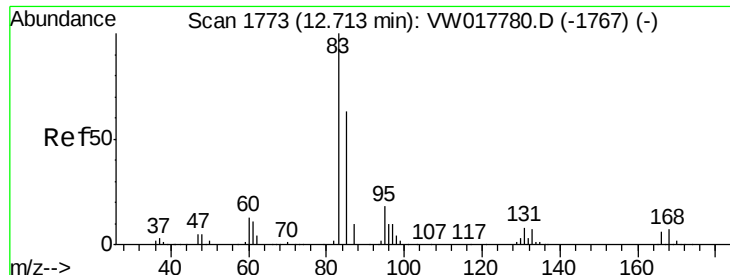
50000

0

12.10 12.20

Time-->





#57

1,1,2,2-Tetrachloroethane

Concen: 26.130 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

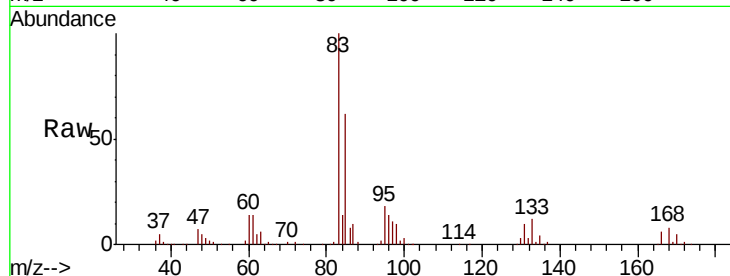
Tot Ion: 83 Resp: 122994

Ion Ratio Lower Upper

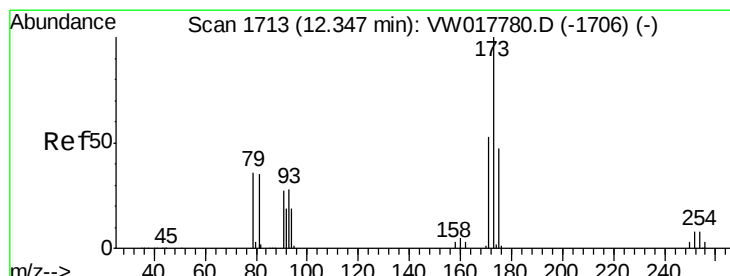
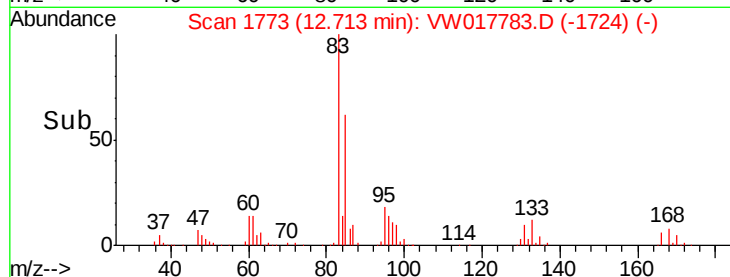
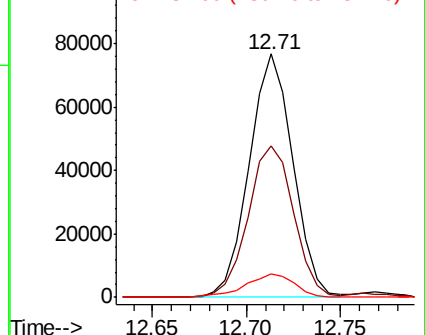
83 100

85 62.4 44.4 82.4

131 9.7 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): VW



#59

Bromoform

Concen: 25.167 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

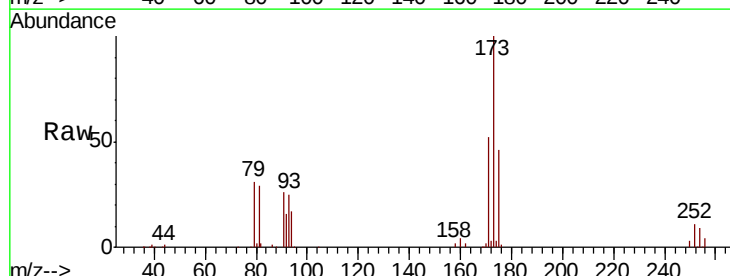
Tgt Ion: 173 Resp: 61528

Ion Ratio Lower Upper

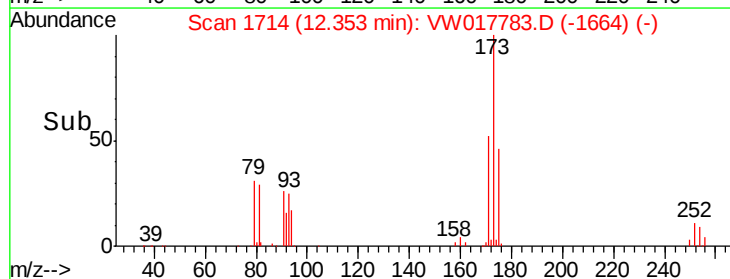
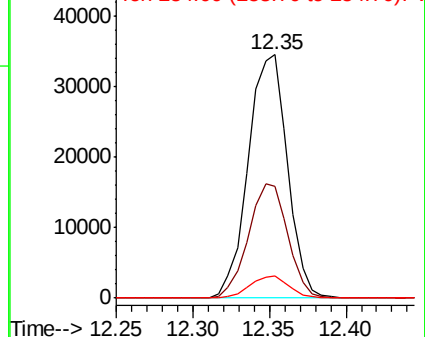
173 100

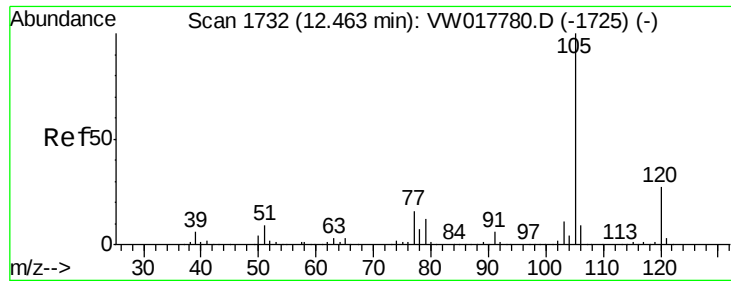
175 46.9 37.5 56.3

254 9.1 7.0 10.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 25.215 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

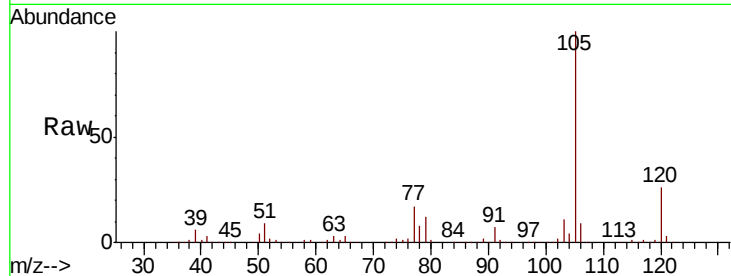
Tot Ion: 105 Resp: 601056

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

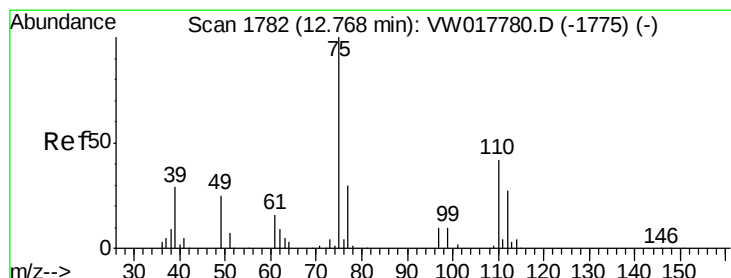
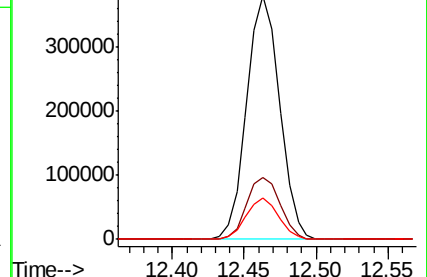
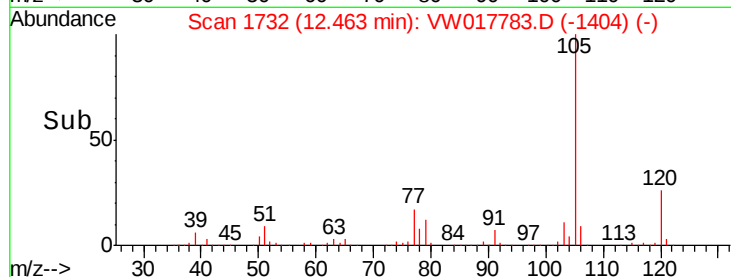
77 16.6 13.2 19.8



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



#61

1,2,3-Trichloropropane

Concen: 25.226 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

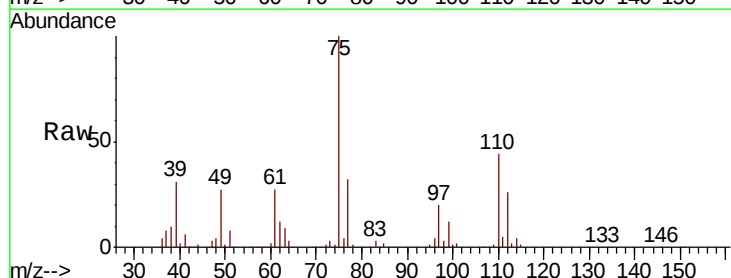
Tgt Ion: 75 Resp: 90525

Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9

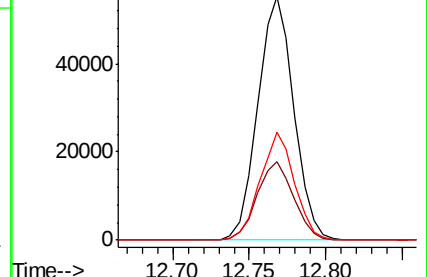
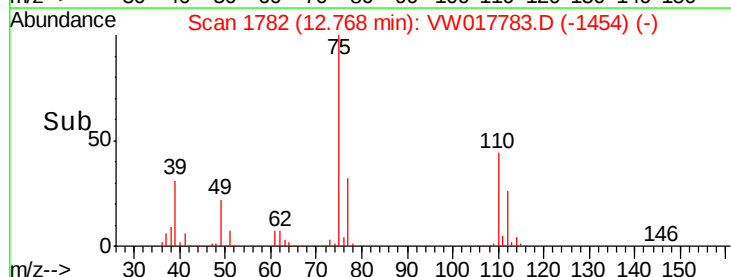
110 42.2 32.6 48.8

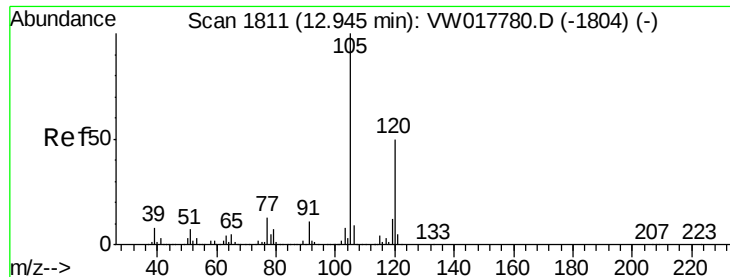


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

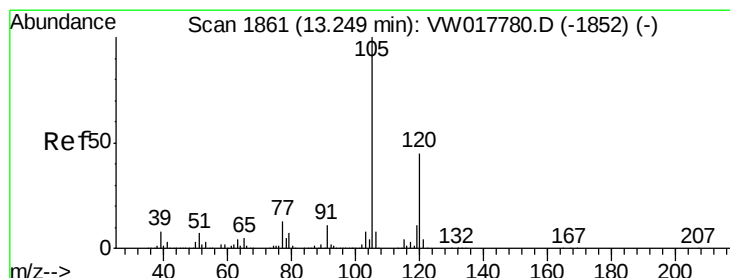
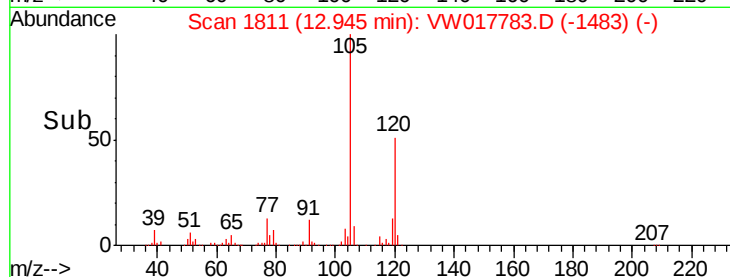
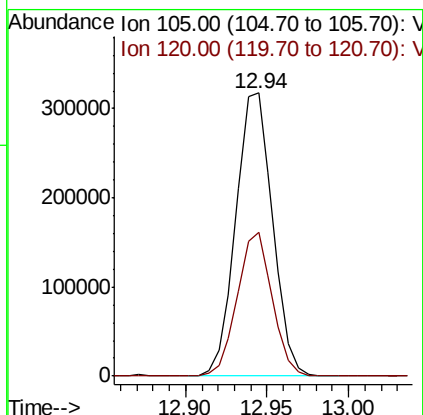
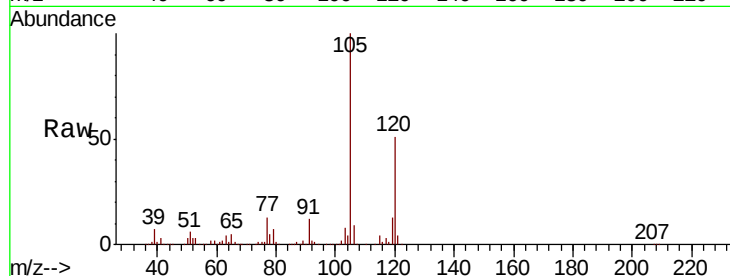




#62
 1,3,5-Trimethylbenzene
 Concen: 26.325 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

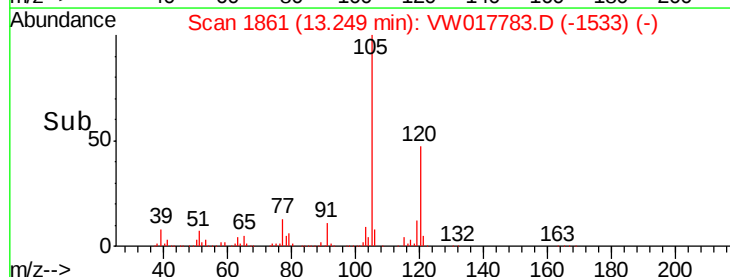
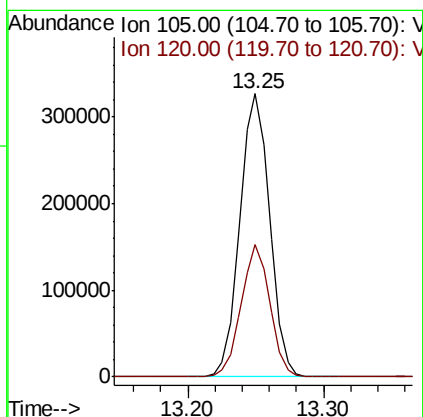
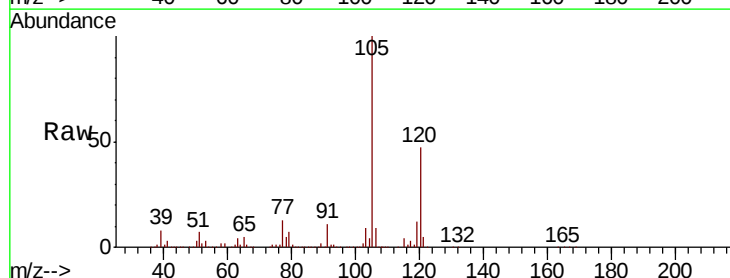
Instrument :
 MSVOA_W
 ClientSampled :

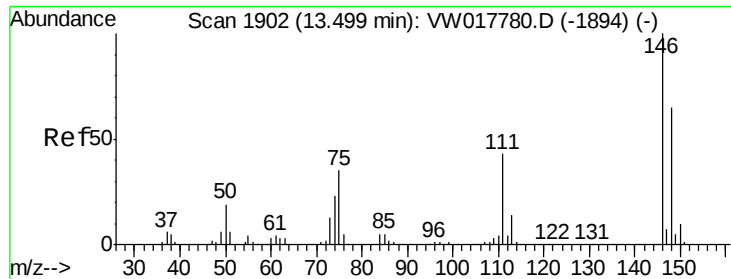
Tot Ion:105 Resp: 499212
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 25.924 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Tgt Ion:105 Resp: 500302
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.6 53.4

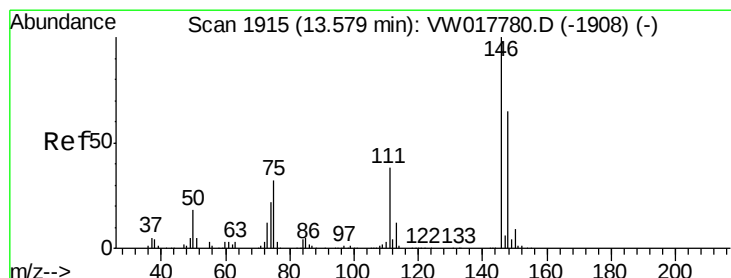
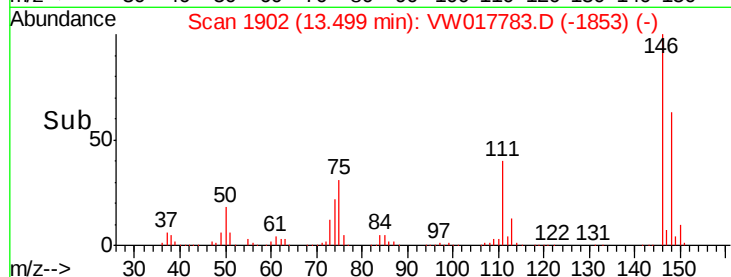
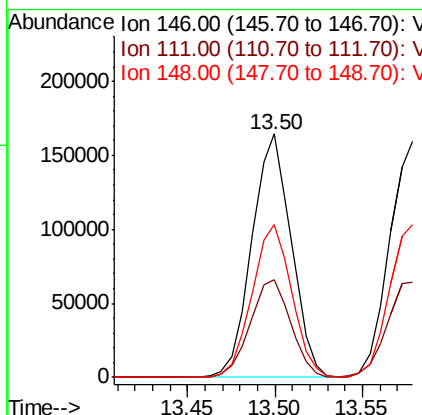
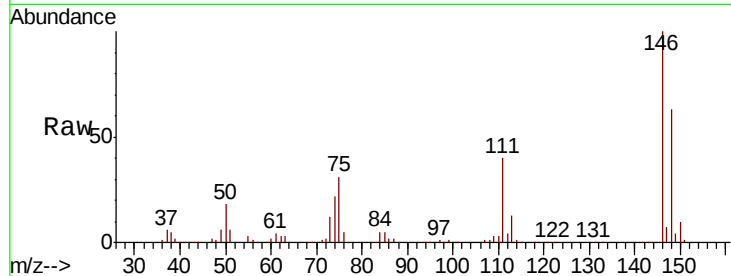




#64
 1,3-Dichlorobenzene
 Concen: 24.990 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

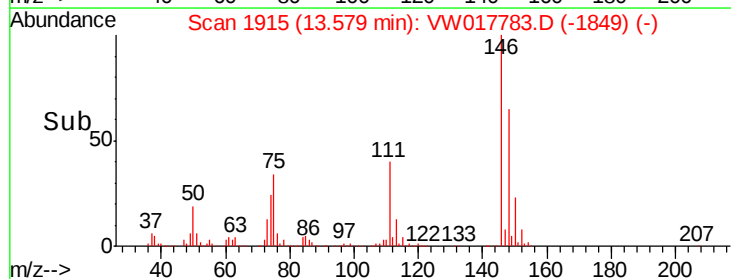
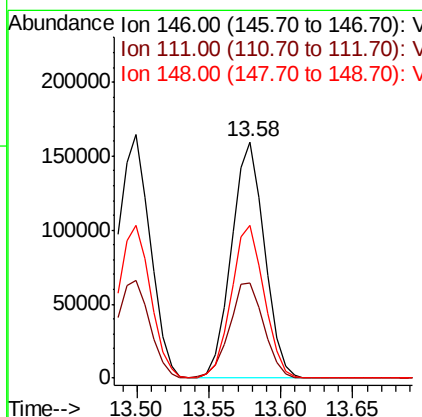
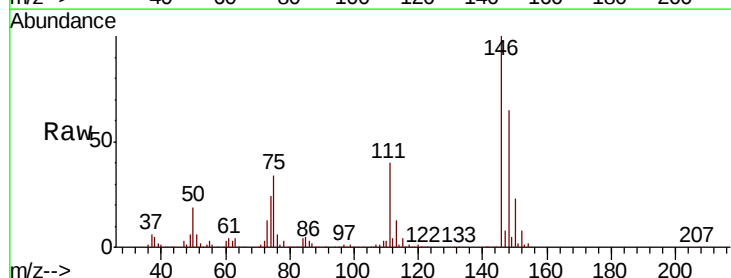
Instrument :
 MSVOA_W
 ClientSampleId :

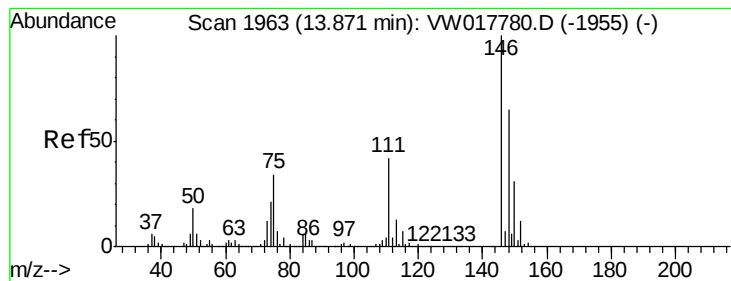
Tot Ion:146 Resp: 257178
 Ion Ratio Lower Upper
 146 100
 111 40.1 26.7 49.7
 148 62.8 41.1 76.3



#65
 1,4-Dichlorobenzene
 Concen: 24.975 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017783.D
 Acq: 30 Dec 2020 16:36

Tgt Ion:146 Resp: 255304
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.8 53.4
 148 64.8 46.8 87.0





#67

1,2-Dichlorobenzene

Concen: 25.962 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

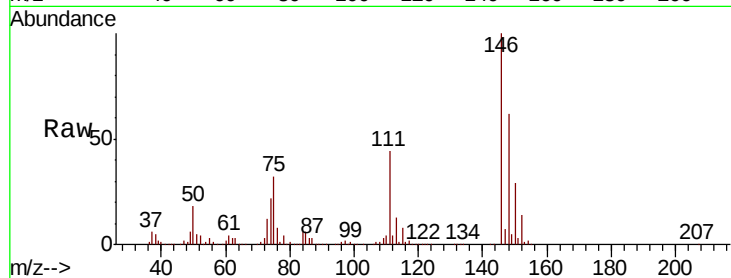
Tot Ion:146 Resp: 239749

Ion Ratio Lower Upper

146 100

111 44.1 33.2 49.8

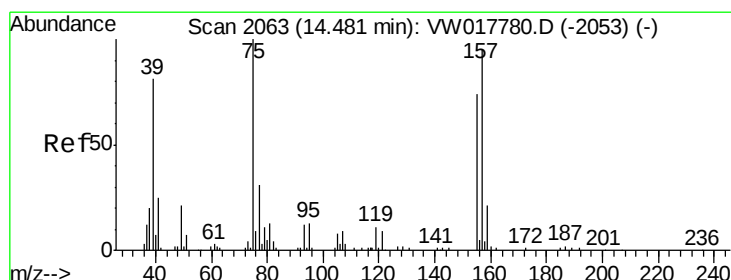
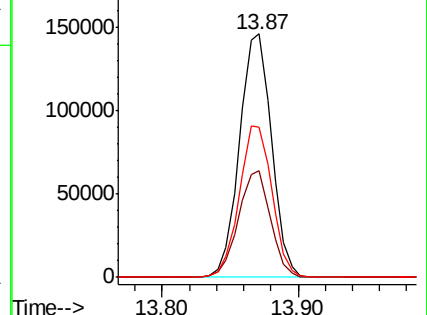
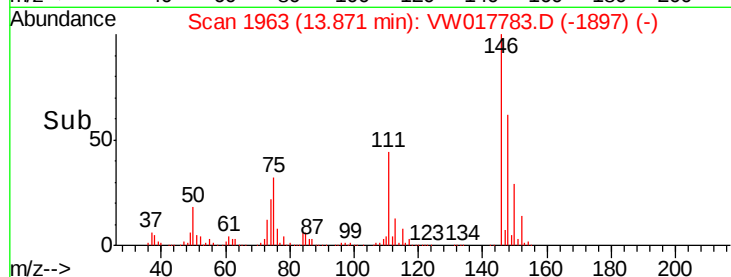
148 61.9 50.4 75.6



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



#68

1,2-Dibromo-3-chloropropane

Concen: 24.846 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

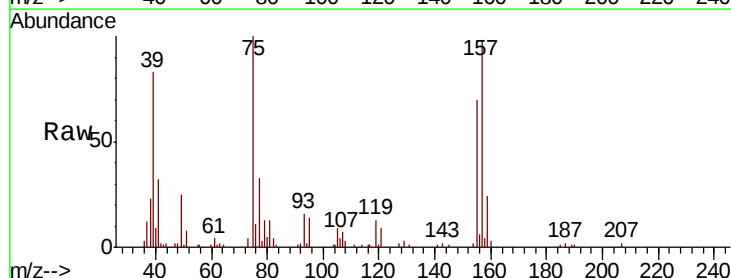
Tgt Ion: 75 Resp: 21336

Ion Ratio Lower Upper

75 100

155 69.8 59.4 89.0

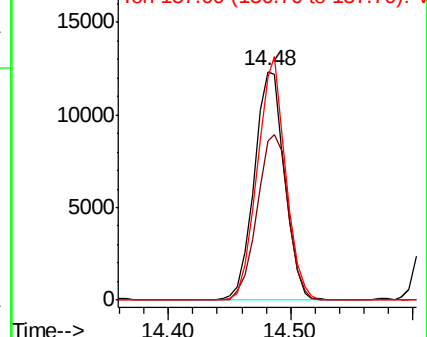
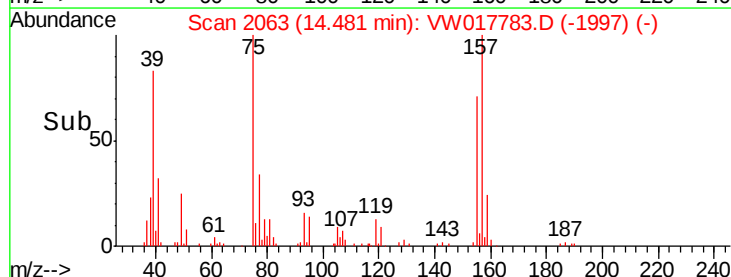
157 97.7 72.2 108.2

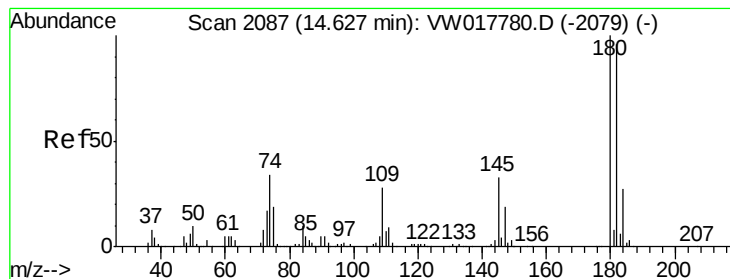


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 25.583 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:180 Resp: 178124

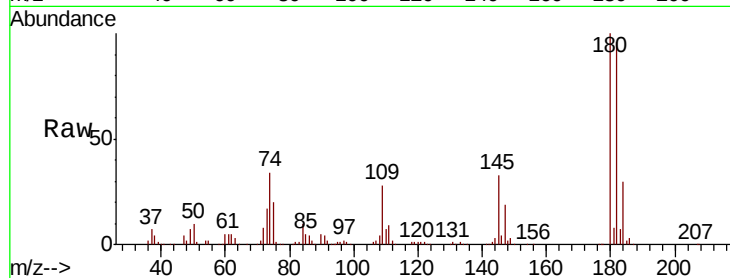
Ion Ratio Lower Upper

180 100

182 97.1 73.4 110.2

184 30.4 23.6 35.4

145 32.2 24.9 37.3

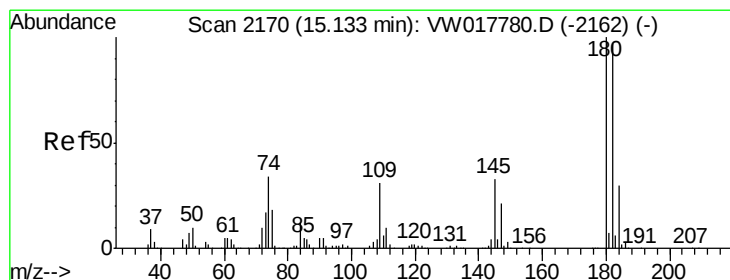
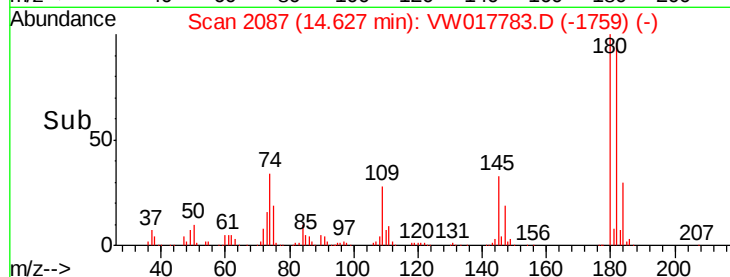
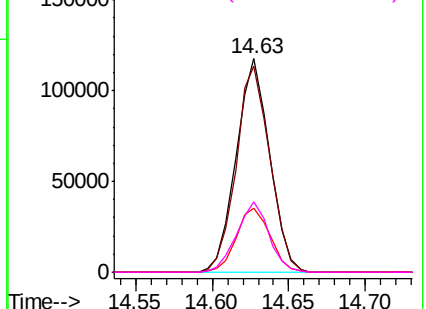


Abundance Ion 180.00 (179.70 to 180.70): V

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



#70

1,2,4-trichlorobenzene

Concen: 26.183 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW017783.D

Acq: 30 Dec 2020 16:36

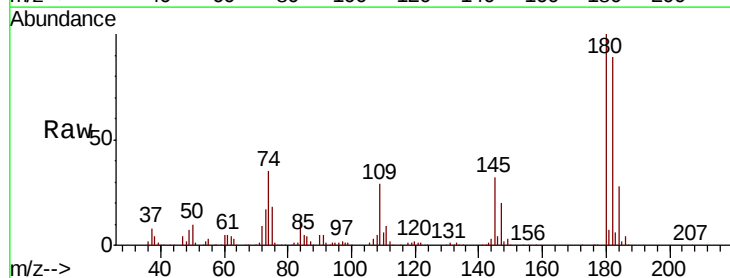
Tgt Ion:180 Resp: 157844

Ion Ratio Lower Upper

180 100

182 91.4 74.7 112.1

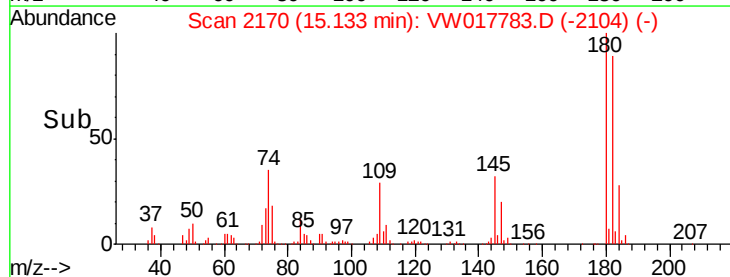
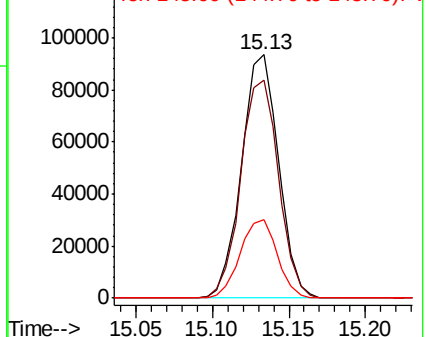
145 32.1 25.0 37.4

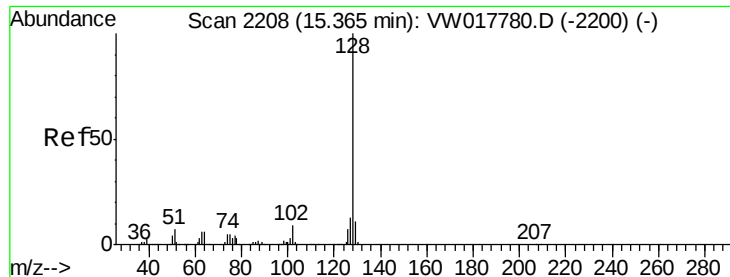


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

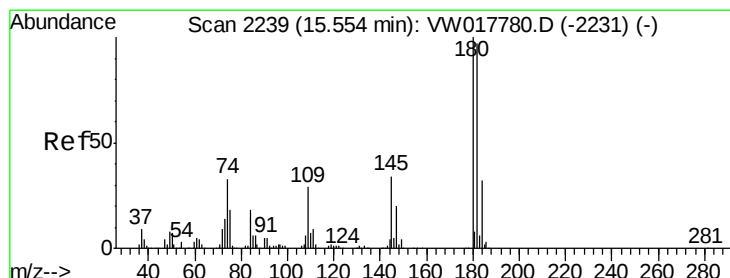
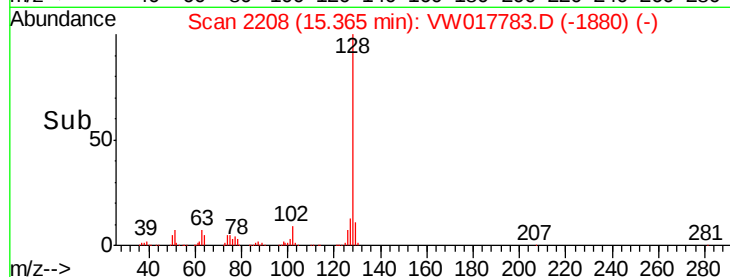
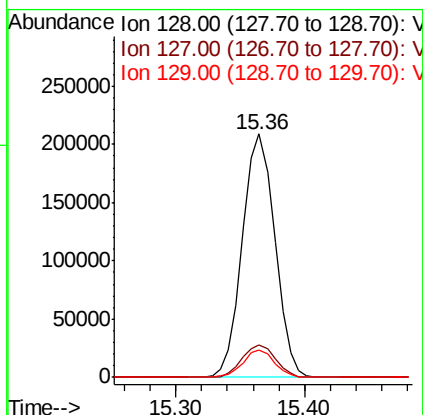
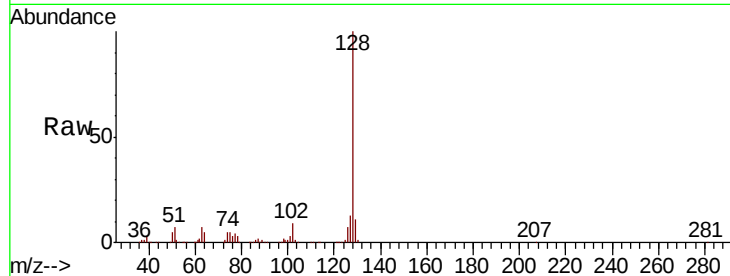




#71
Naphthalene
Concen: 26.357 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 366144
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.8 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 25.752 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017783.D
Acq: 30 Dec 2020 16:36

Tgt Ion:180 Resp: 136450
Ion Ratio Lower Upper
180 100
182 93.9 76.7 115.1
145 34.8 28.9 43.3

