

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010421\
 Data File : VW017785.D
 Acq On : 04 Jan 2021 10:07
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

Quant Time: Jan 04 13:02:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jan 04 11:10:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	372364	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352521	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	181564	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136922	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.52%
7) Chloroethane-d5	2.89	69	116801	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.92%
11) 1,1-Dichloroethene-d2	4.03	63	249624	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.72%
21) 2-Butanone-d5	7.07	46	59871	37.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.90%
24) Chloroform-d	7.65	84	246379	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.30	65	136825	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.44%
32) Benzene-d6	8.27	84	474758	23.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.96%
36) 1,2-Dichloropropane-d6	9.27	67	134637	23.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.16%
41) Toluene-d8	10.32	98	449979	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	10.58	79	67593	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.24%
47) 2-Hexanone-d5	10.93	63	44099	40.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.78%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	116084	20.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.12%
66) 1,2-Dichlorobenzene-d4	13.85	152	152377	22.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	108440	24.167	ug/L 97
3) Chloromethane	2.21	50	93221	23.883	ug/L 98
5) Vinyl chloride	2.37	62	154072	23.940	ug/L 98
6) Bromomethane	2.78	94	120799	21.212	ug/L 99
8) Chloroethane	2.93	64	100445	23.601	ug/L 98
9) Trichlorofluoromethane	3.27	101	126390	28.879	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	126982	25.315	ug/L 99
13) Acetone	4.12	43	43119	39.733	ug/L 91
14) Carbon disulfide	4.38	76	365221	26.782	ug/L 98
15) Methyl Acetate	4.67	43	54527	23.260	ug/L 99
16) Methylene chloride	4.92	84	124912	20.809	ug/L 99
17) trans-1,2-Dichloroethene	5.43	96	130986	25.696	ug/L 94
18) Methyl tert-butyl Ether	5.42	73	168158	25.895	ug/L 99
19) 1,1-Dichloroethane	6.21	63	232824	25.781	ug/L 97
20) cis-1,2-Dichloroethene	7.16	96	140566	25.771	ug/L 100
22) 2-Butanone	7.17	43	70004	38.821	ug/L 98
23) Bromochloromethane	7.51	128	62500	25.039	ug/L 94

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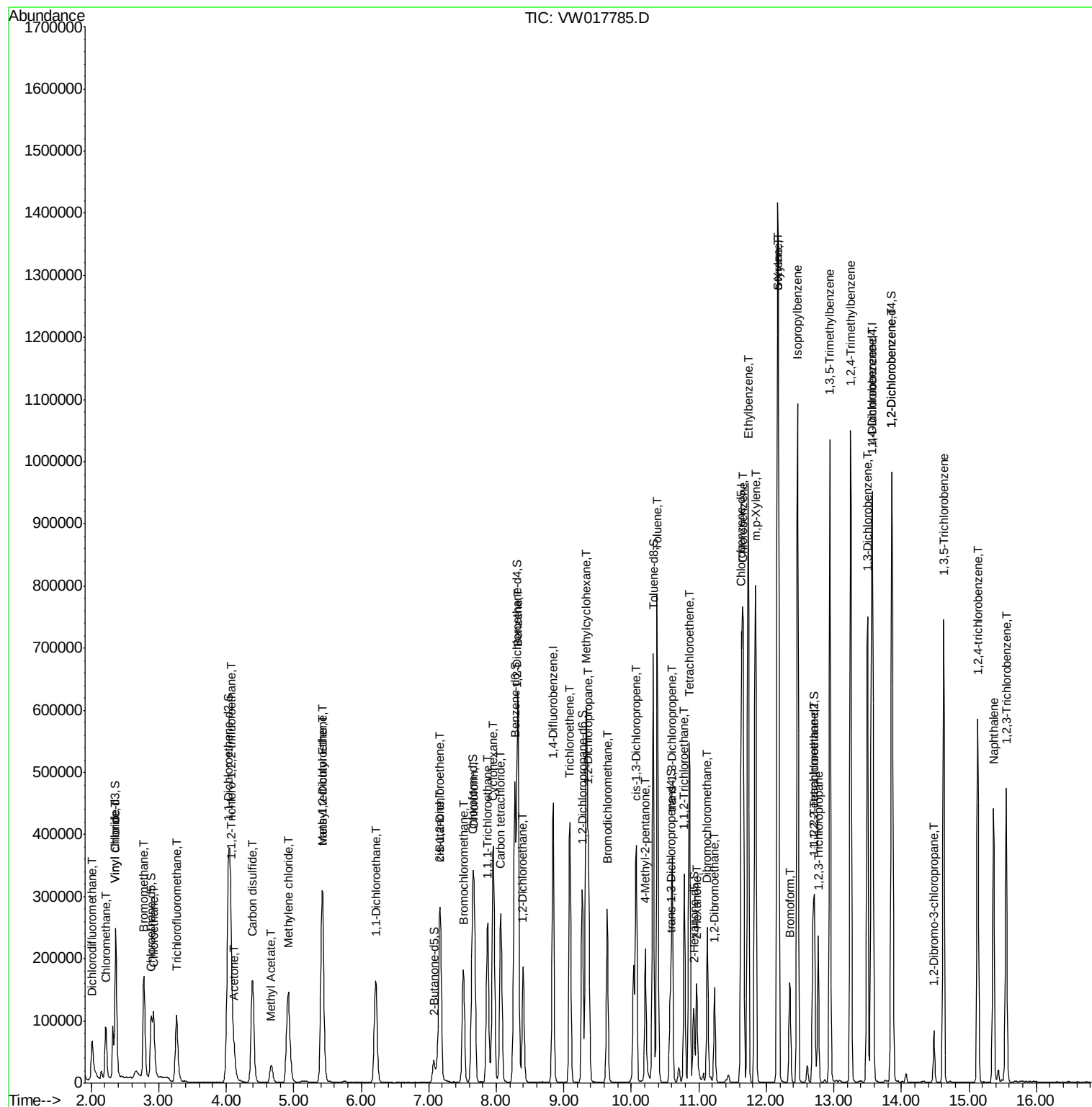
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	240346	25.090	ug/L	98
27) 1,2-Dichloroethane	8.40	62	169322	24.752	ug/L	99
29) Cyclohexane	7.96	56	213613	25.819	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	207412	25.588	ug/L	99
31) Carbon tetrachloride	8.07	117	197502	25.941	ug/L	99
33) Benzene	8.32	78	526768	25.589	ug/L	100
34) Trichloroethene	9.09	95	142469	25.341	ug/L	96
35) Methylcyclohexane	9.34	83	248483	25.812	ug/L	100
37) 1,2-Dichloropropane	9.37	63	127406	25.570	ug/L	99
38) Bromodichloromethane	9.64	83	180553	25.656	ug/L	96
39) cis-1,3-Dichloropropene	10.07	75	213850	26.882	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	151606	42.867	ug/L	99
42) Toluene	10.39	91	582814	24.997	ug/L	96
44) trans-1,3-Dichloropropene	10.60	75	192880	26.590	ug/L	97
45) 1,1,2-Trichloroethane	10.79	97	100869	24.119	ug/L	98
46) Tetrachloroethene	10.86	164	110838	25.727	ug/L	92
48) 2-Hexanone	10.97	43	107772	43.496	ug/L	99
49) Dibromochloromethane	11.13	129	123173	25.664	ug/L	94
50) 1,2-Dibromoethane	11.24	107	99321	24.035	ug/L	99
51) Chlorobenzene	11.66	112	372305	25.166	ug/L	96
52) Ethylbenzene	11.73	91	669447	25.142	ug/L	100
53) m,p-Xylene	11.84	106	257142	24.961	ug/L	99
54) o-Xylene	12.16	106	244583	25.155	ug/L	100
55) Styrene	12.18	104	415429	24.972	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	120904	22.234	ug/L	97
59) Bromoform	12.35	173	67774	24.937	ug/L	99
60) Isopropylbenzene	12.46	105	677697	25.574	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	90288	22.633	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	561063	26.615	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	562438	26.216	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	293314	25.639	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	285864	25.155	ug/L	99
67) 1,2-Dichlorobenzene	13.86	146	257843	25.116	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.48	75	21428	22.447	ug/L	97
69) 1,3,5-Trichlorobenzene	14.63	180	205871	26.598	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	170908	25.502	ug/L	98
71) Naphthalene	15.36	128	357012	23.118	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	149735	25.421	ug/L	96

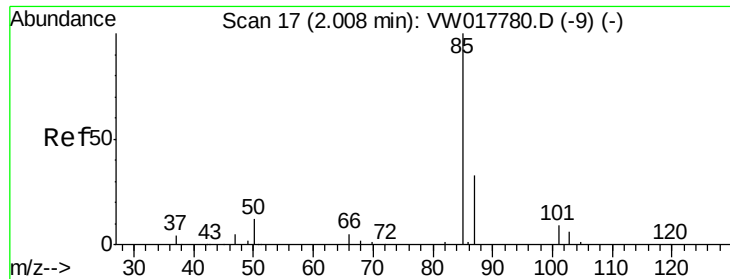
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.167 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

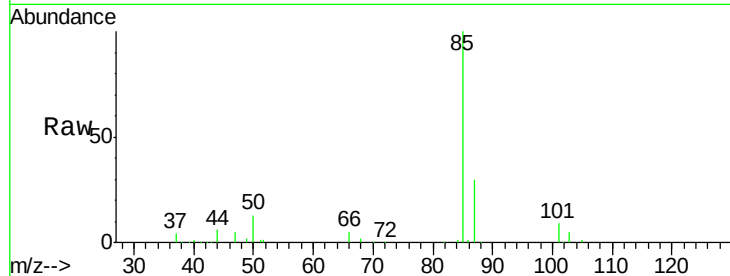
VSTD025108

Tgt Ion: 85 Resp: 108440

Ion Ratio Lower Upper

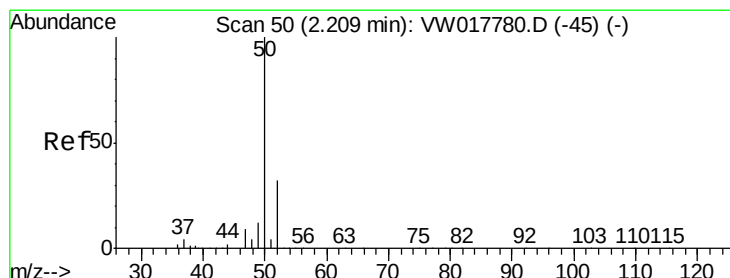
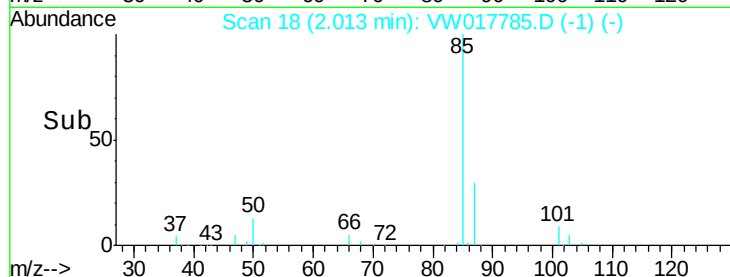
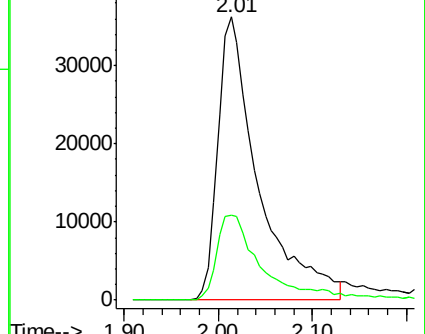
85 100

87 31.0 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: 23.883 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW017785.D

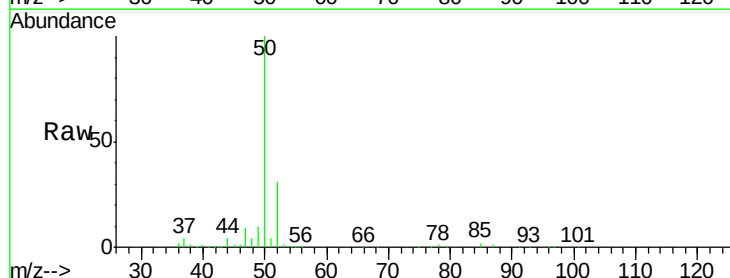
Acq: 04 Jan 2021 10:07

Tgt Ion: 50 Resp: 93221

Ion Ratio Lower Upper

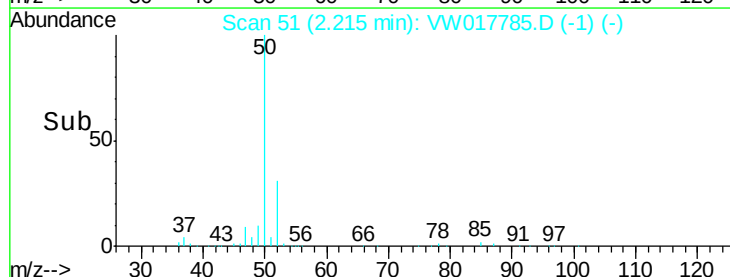
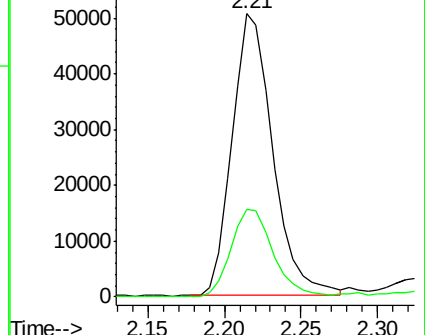
50 100

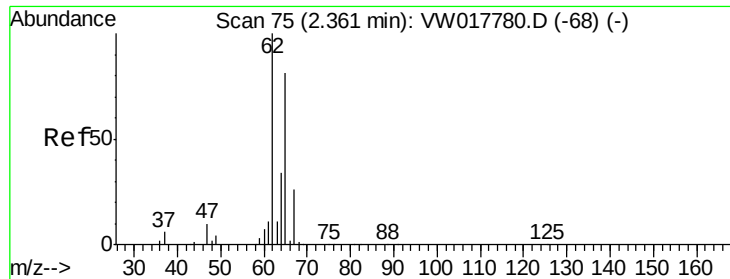
52 31.1 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.940 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

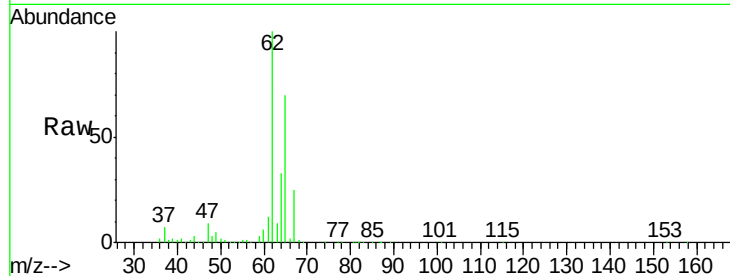
VSTD025108

Tgt Ion: 62 Resp: 154072

Ion Ratio Lower Upper

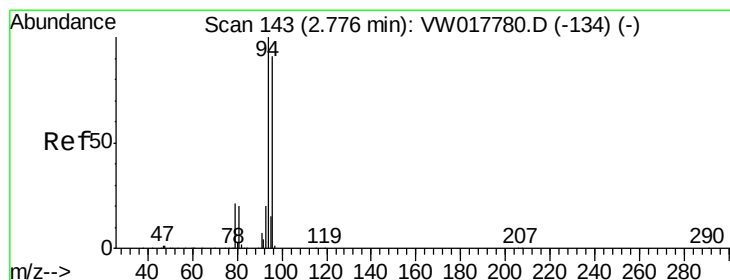
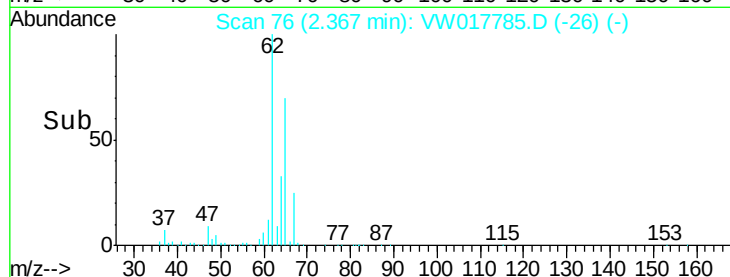
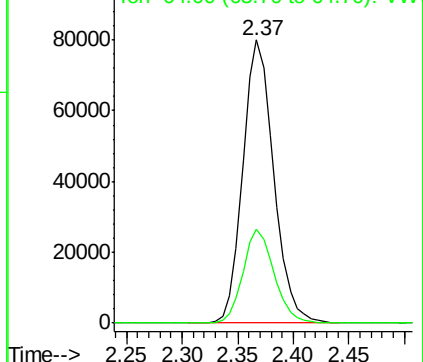
62 100

64 33.2 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 21.212 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW017785.D

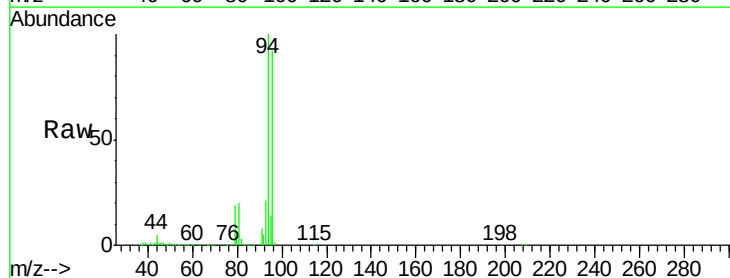
Acq: 04 Jan 2021 10:07

Tgt Ion: 94 Resp: 120799

Ion Ratio Lower Upper

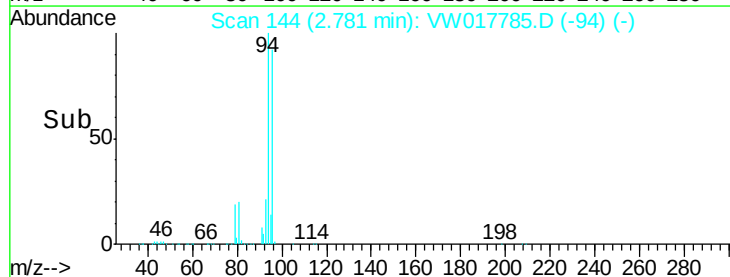
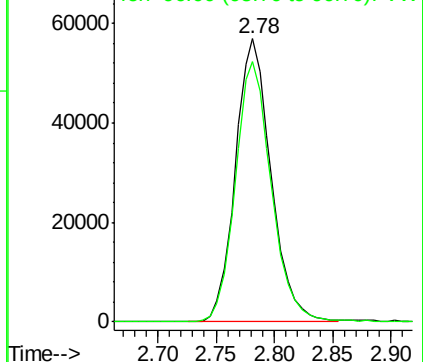
94 100

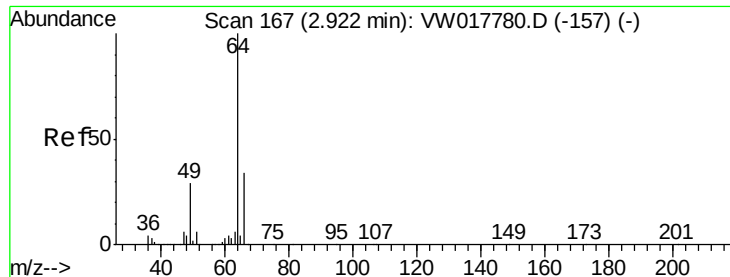
96 92.0 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.601 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

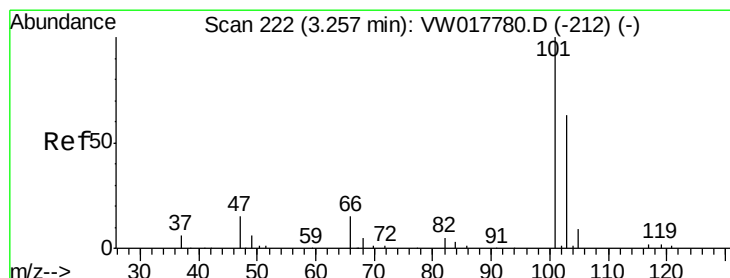
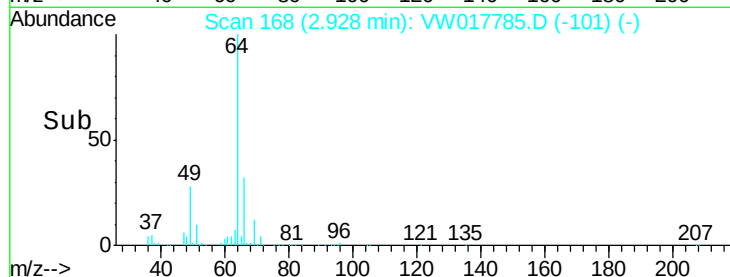
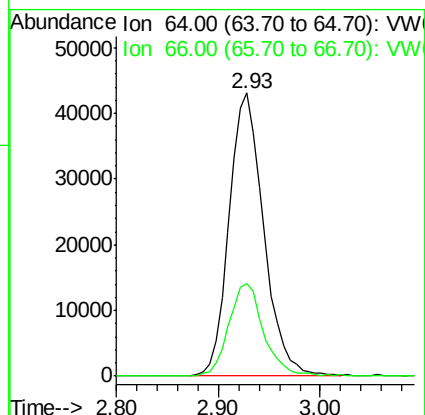
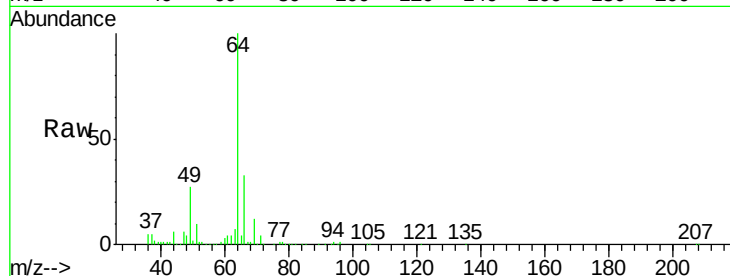
VSTD025108

Tgt Ion: 64 Resp: 100445

Ion Ratio Lower Upper

64 100

66 32.6 23.4 43.6



#9

Trichlorofluoromethane

Concen: 28.879 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017785.D

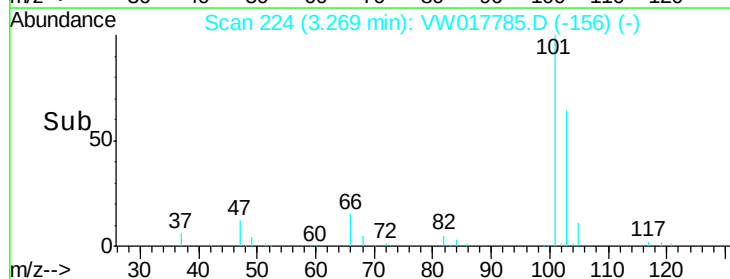
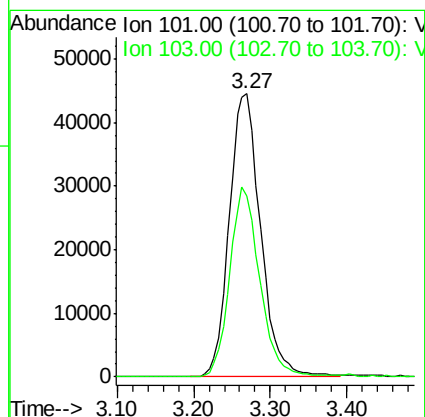
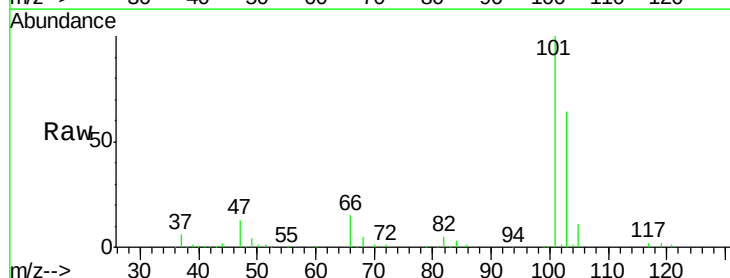
Acq: 04 Jan 2021 10:07

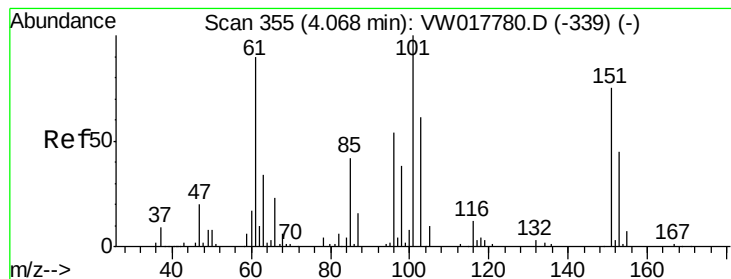
Tgt Ion: 101 Resp: 126390

Ion Ratio Lower Upper

101 100

103 64.2 51.0 76.4





#10

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

Concen: 25.315 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

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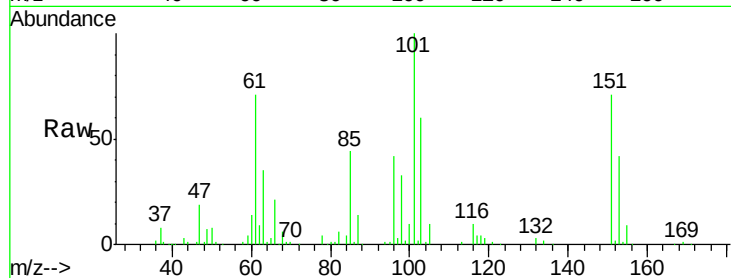
Tgt Ion:101 Resp: 126982

Ion Ratio Lower Upper

101 100

85 47.6 38.2 57.2

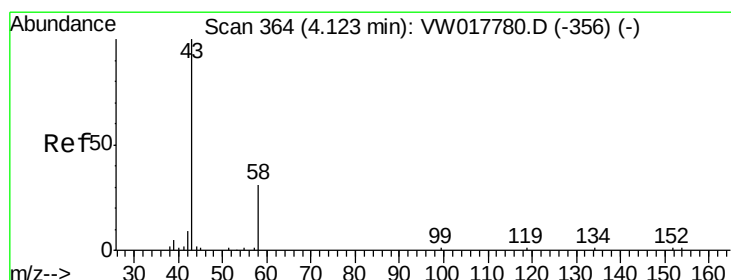
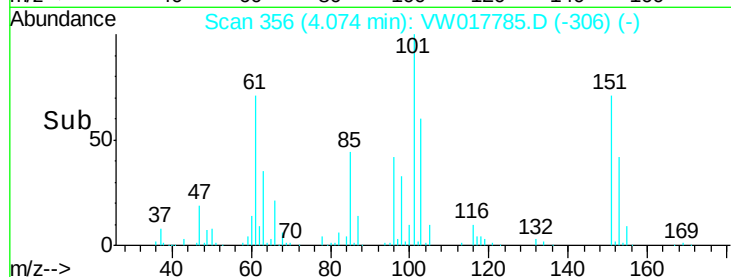
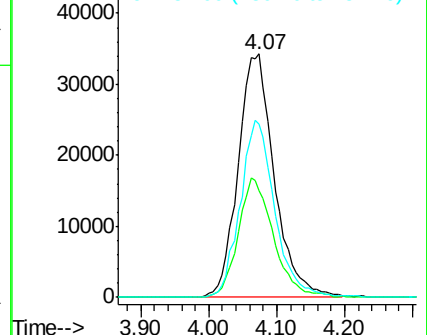
151 69.1 56.6 85.0



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



#13

Acetone

Concen: 39.733 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017785.D

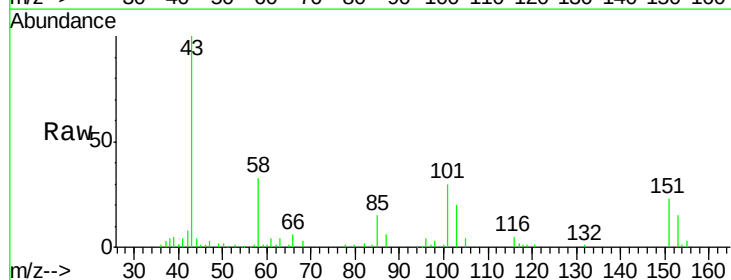
Acq: 04 Jan 2021 10:07

Tgt Ion: 43 Resp: 43119

Ion Ratio Lower Upper

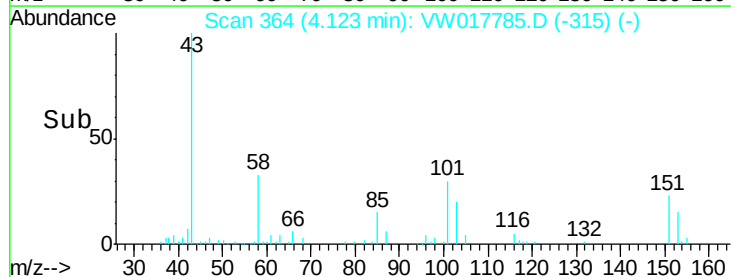
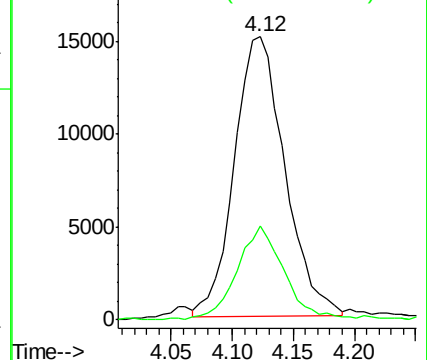
43 100

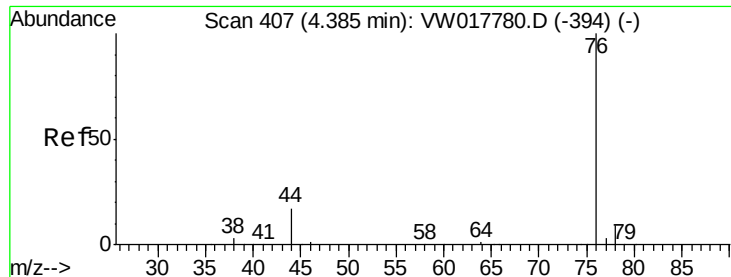
58 31.3 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 26.782 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampled :

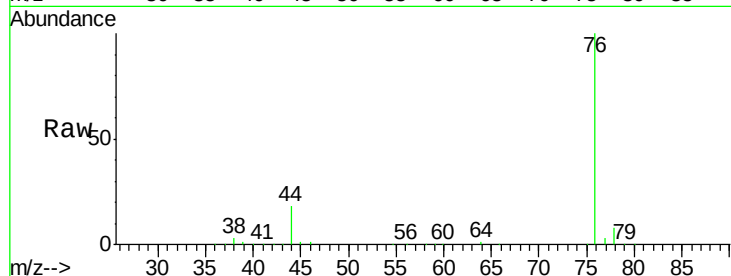
VSTD025108

Tgt Ion: 76 Resp: 365221

Ion Ratio Lower Upper

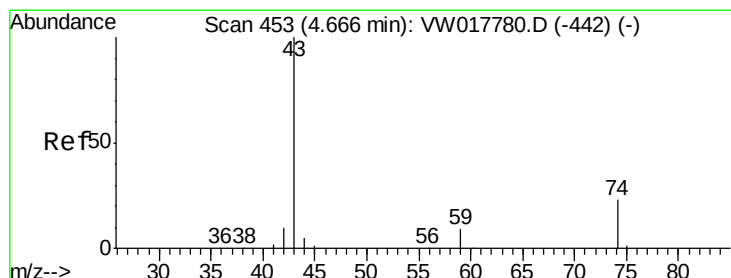
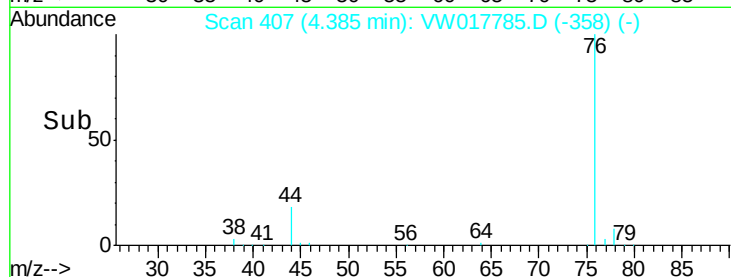
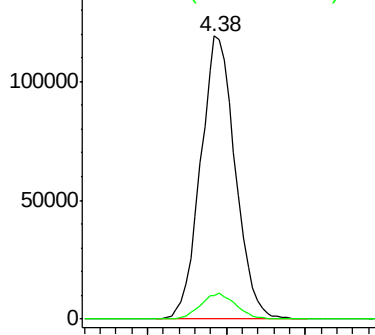
76 100

78 8.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#15

Methyl Acetate

Concen: 23.260 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW017785.D

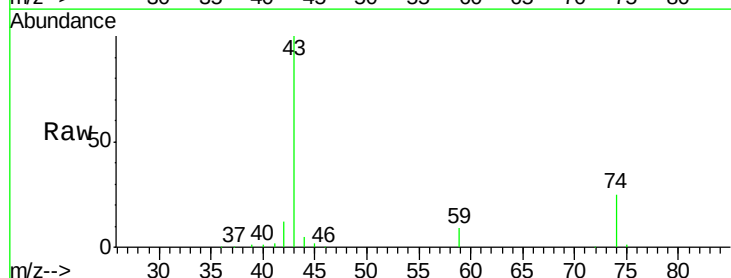
Acq: 04 Jan 2021 10:07

Tgt Ion: 43 Resp: 54527

Ion Ratio Lower Upper

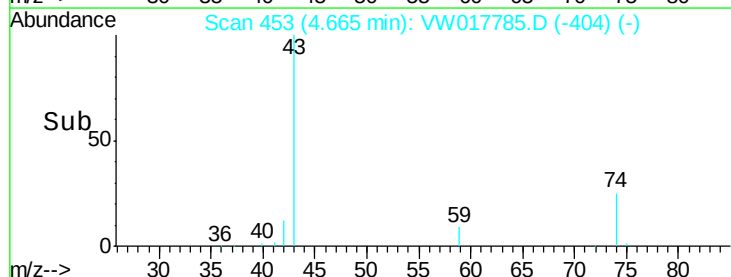
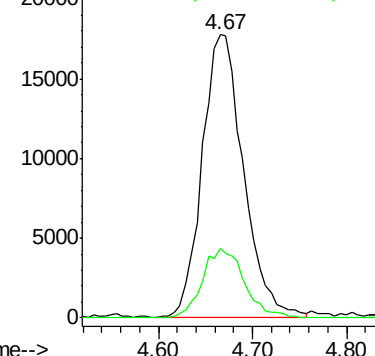
43 100

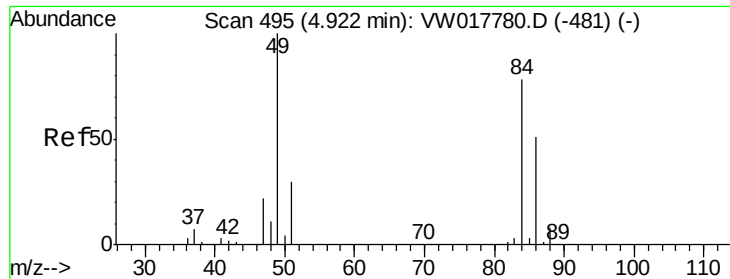
74 24.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

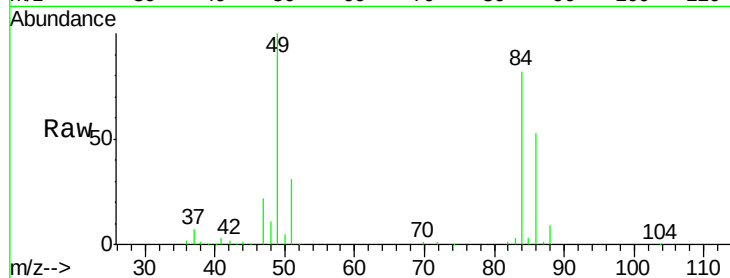




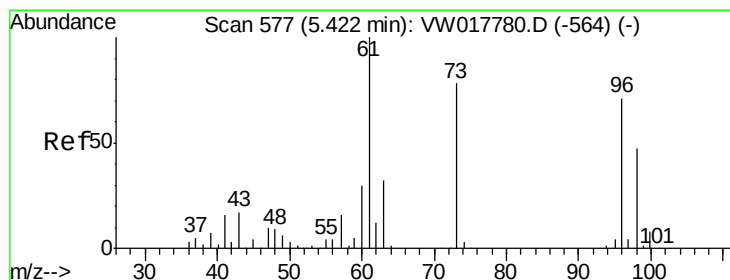
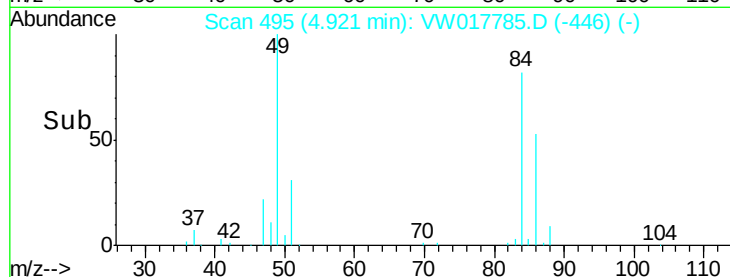
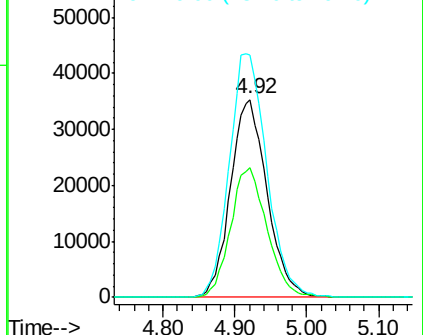
#16
Methylene chloride
Concen: 20.809 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

Tgt Ion: 84 Resp: 124912
Ion Ratio Lower Upper
84 100
86 65.5 45.3 84.1
49 122.7 86.6 160.8

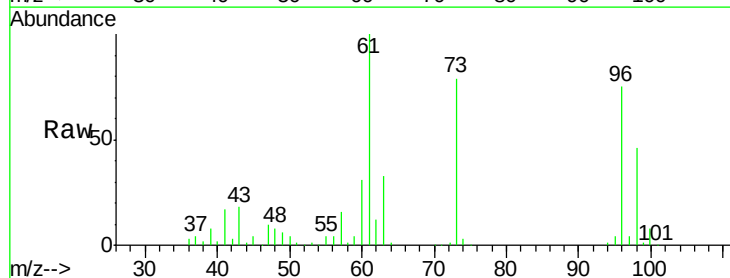


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 86.00 (85.70 to 86.70): VW
Ion 49.00 (48.70 to 49.70): VW

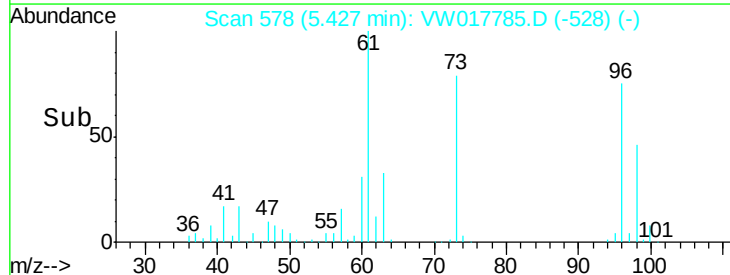
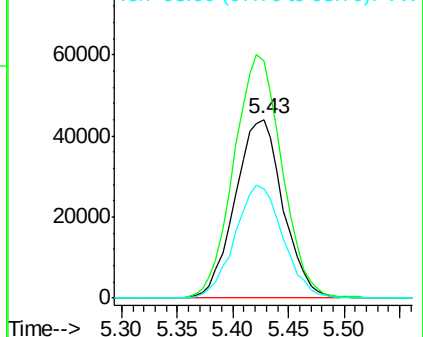


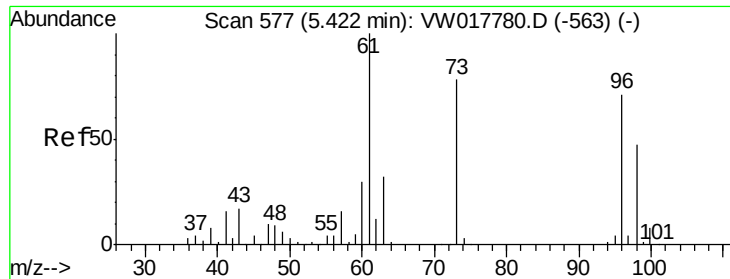
#17
trans-1,2-Dichloroethene
Concen: 25.696 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Tgt Ion: 96 Resp: 130986
Ion Ratio Lower Upper
96 100
61 133.0 98.3 182.7
98 61.0 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

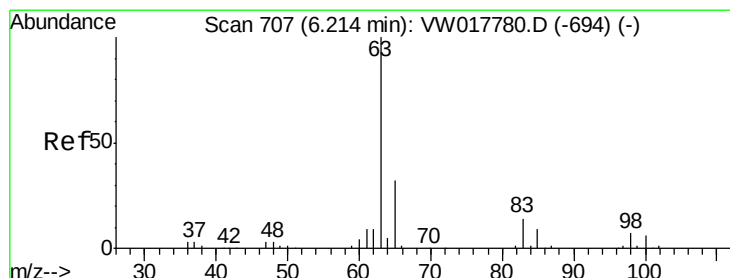
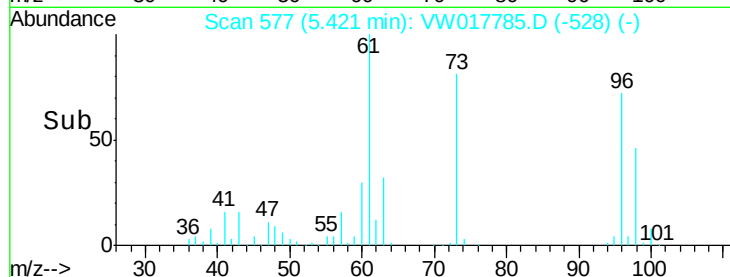
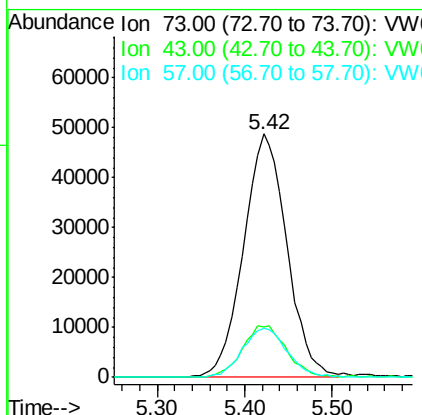
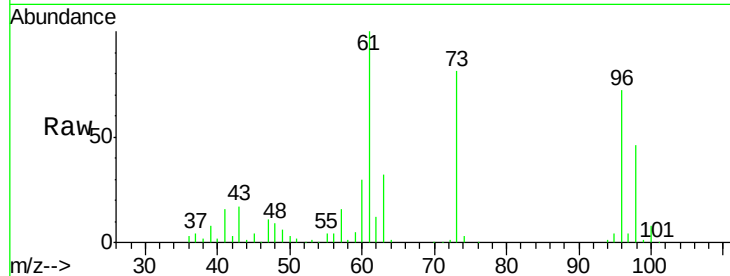




#18
Methyl tert-butyl Ether
Concen: 25.895 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

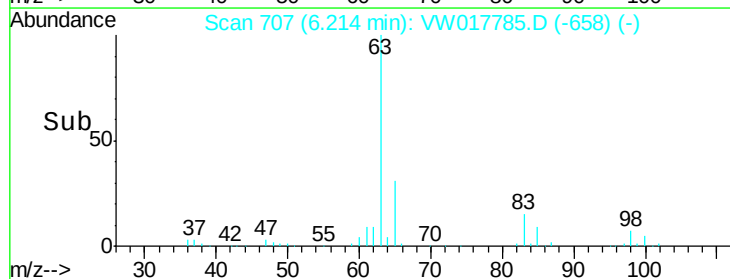
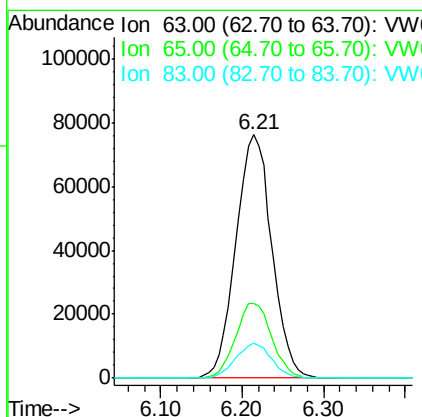
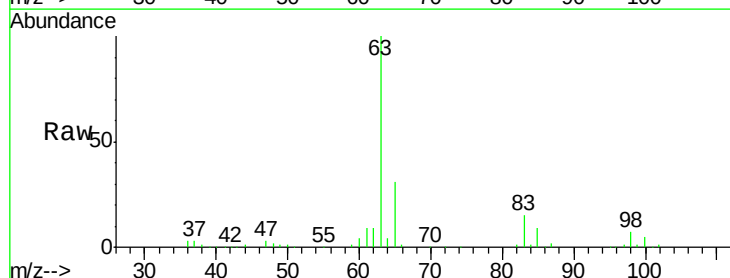
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

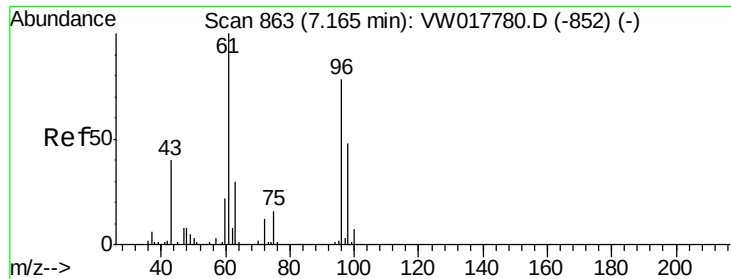
Tgt Ion: 73 Resp: 168158
Ion Ratio Lower Upper
73 100
43 21.7 17.7 26.5
57 21.0 17.0 25.4



#19
1,1-Dichloroethane
Concen: 25.781 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Tgt Ion: 63 Resp: 232824
Ion Ratio Lower Upper
63 100
65 30.6 22.9 42.5
83 14.6 10.2 19.0

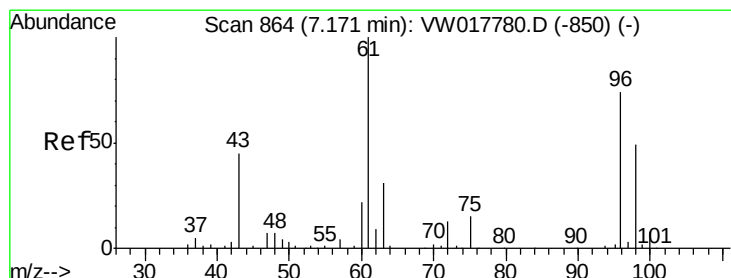
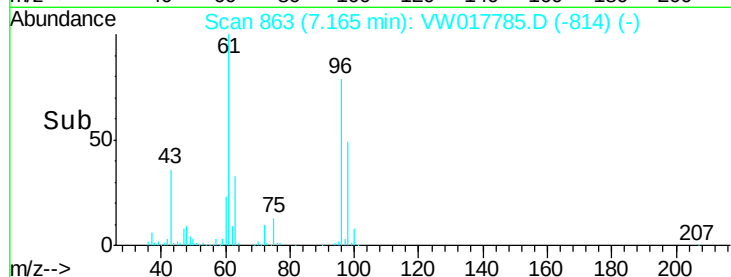
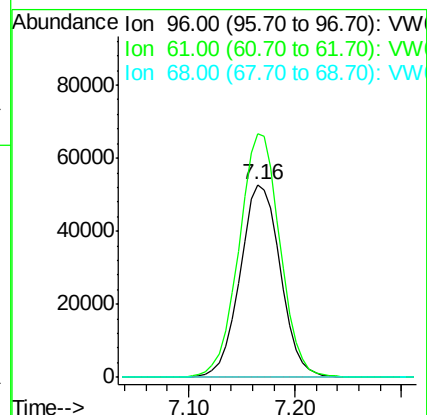
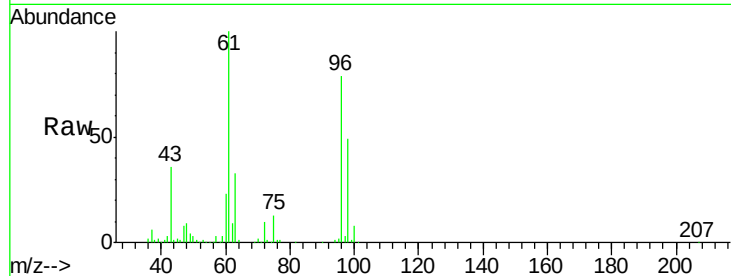




#20
 cis-1,2-Dichloroethene
 Concen: 25.771 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

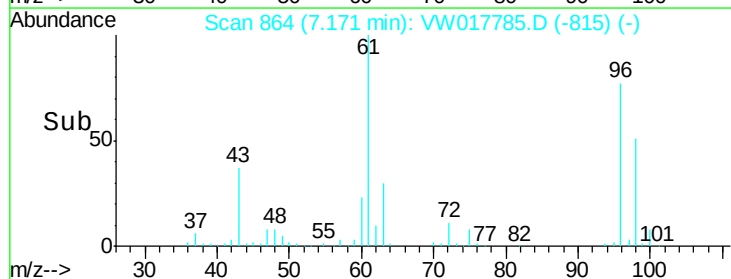
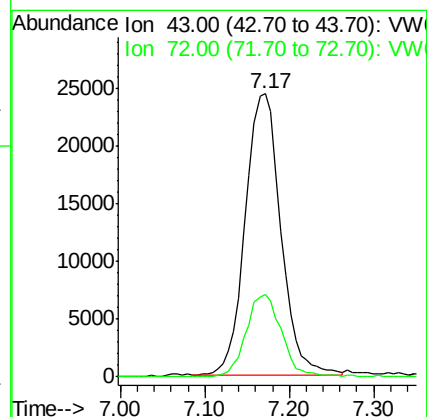
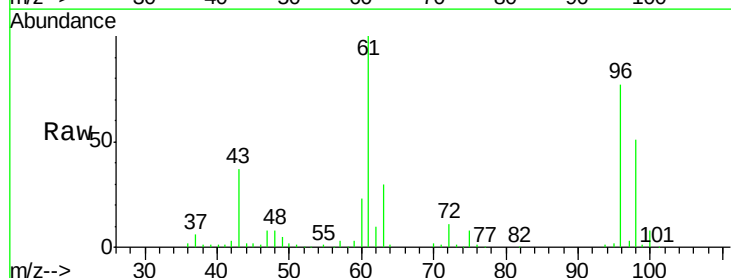
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

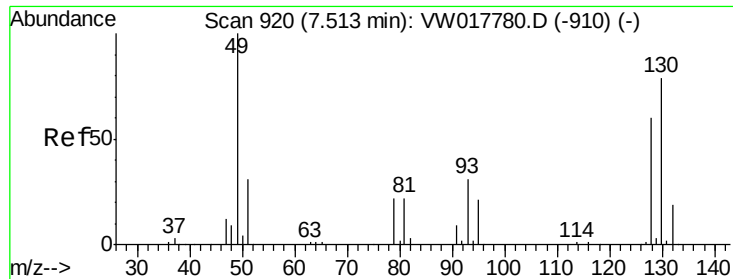
Tgt Ion: 96 Resp: 140566
 Ion Ratio Lower Upper
 96 100
 61 126.5 88.5 164.3
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 38.821 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion: 43 Resp: 70004
 Ion Ratio Lower Upper
 43 100
 72 28.9 14.9 44.7





#23

Bromochloromethane

Concen: 25.039 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

Tgt Ion:128 Resp: 62500

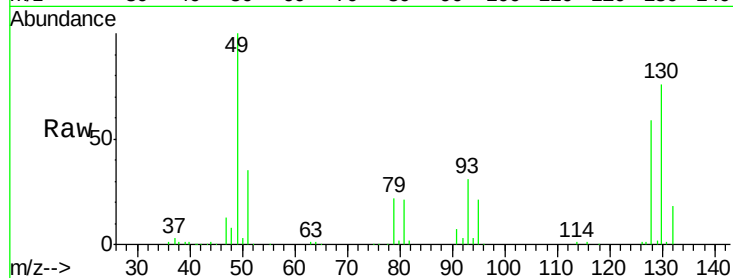
Ion Ratio Lower Upper

128 100

49 169.4 116.3 215.9

130 129.5 82.4 153.0

51 59.2 42.6 64.0

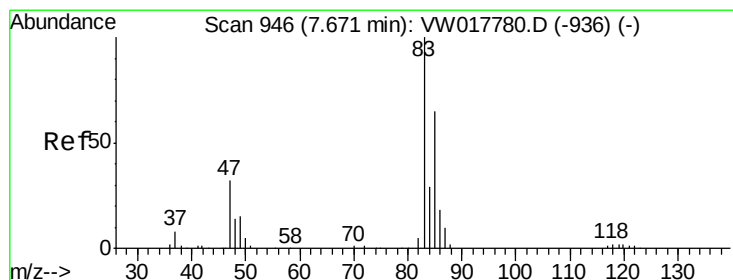
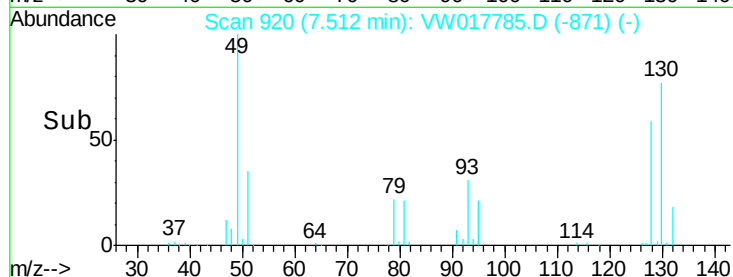
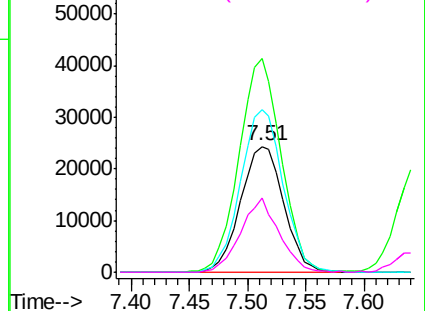


Abundance Ion 128.00 (127.70 to 128.70): V

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: 25.090 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW017785.D

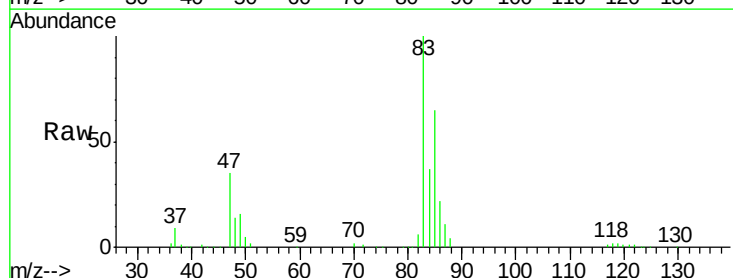
Acq: 04 Jan 2021 10:07

Tgt Ion: 83 Resp: 240346

Ion Ratio Lower Upper

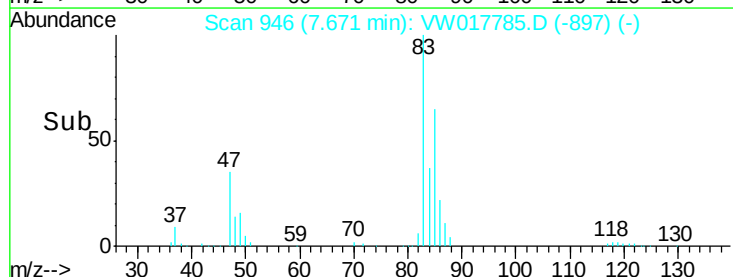
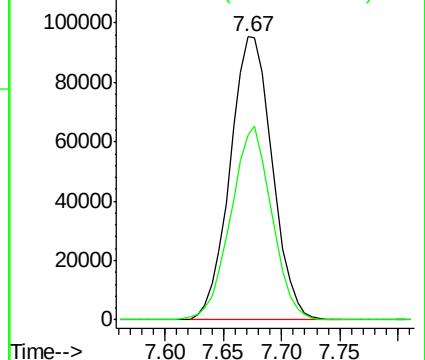
83 100

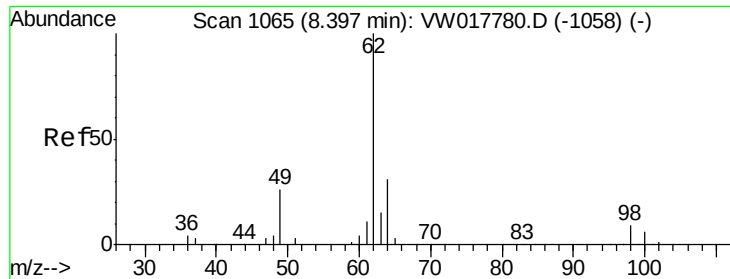
85 65.3 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

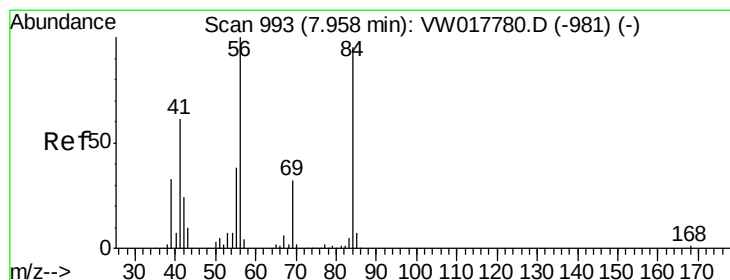
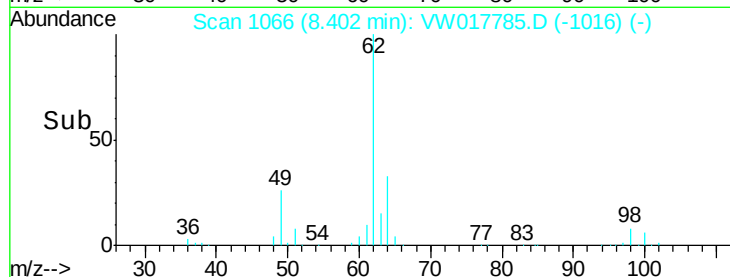
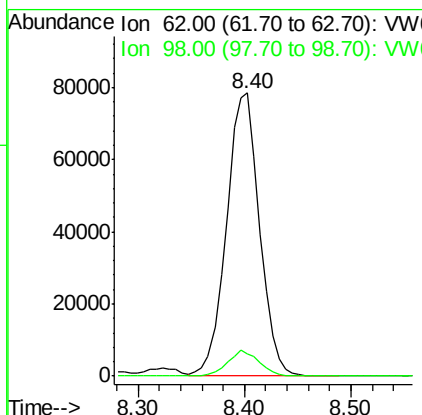
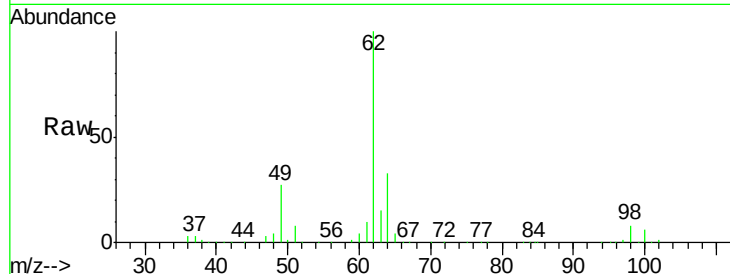




#27
 1,2-Dichloroethane
 Concen: 24.752 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

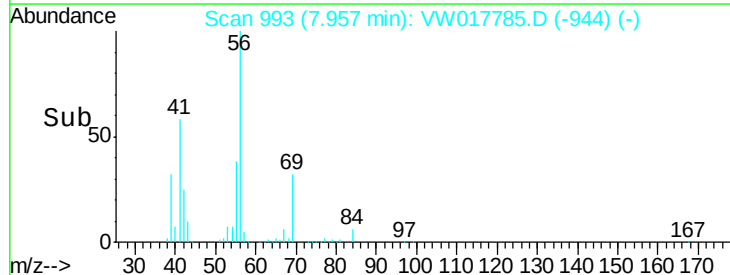
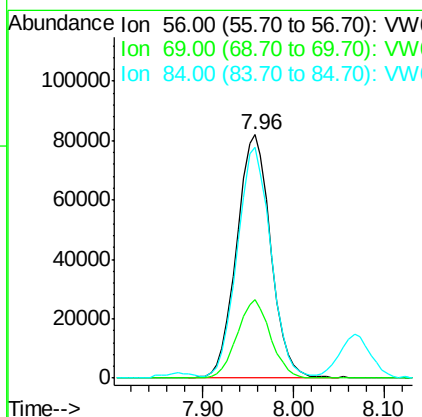
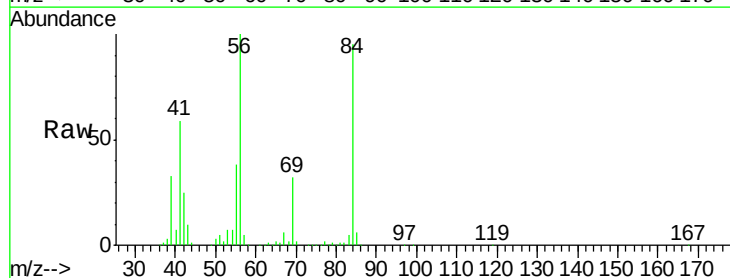
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

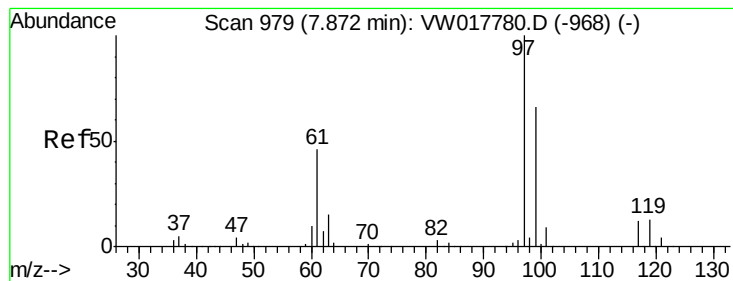
Tgt Ion: 62 Resp: 169322
 Ion Ratio Lower Upper
 62 100
 98 8.1 6.9 10.3



#29
 Cyclohexane
 Concen: 25.819 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion: 56 Resp: 213613
 Ion Ratio Lower Upper
 56 100
 69 31.5 24.5 36.7
 84 93.4 75.0 112.4





#30

1,1,1-Trichloroethane

Concen: 25.588 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

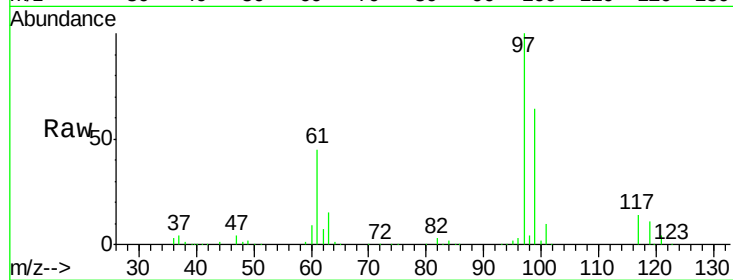
Tgt Ion: 97 Resp: 207412

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

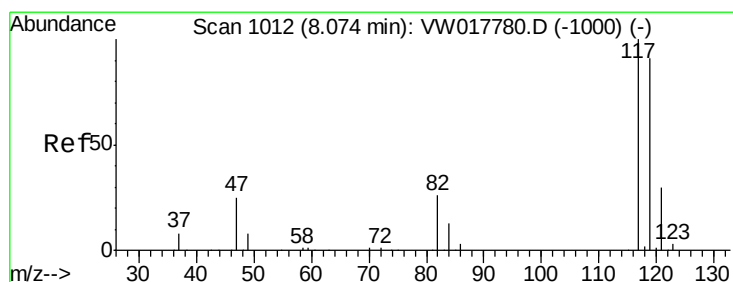
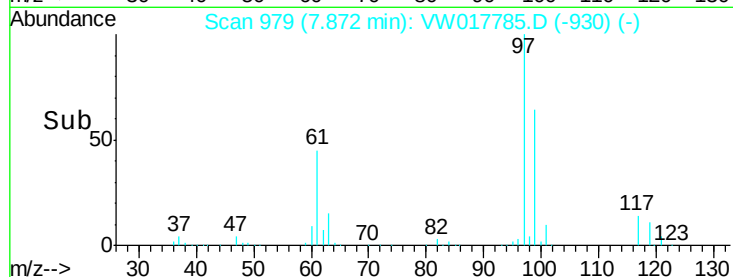
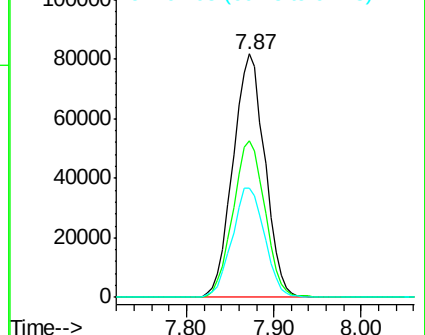
61 45.9 37.8 56.6



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.05 (60.75 to 61.75): VW



#31

Carbon tetrachloride

Concen: 25.941 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017785.D

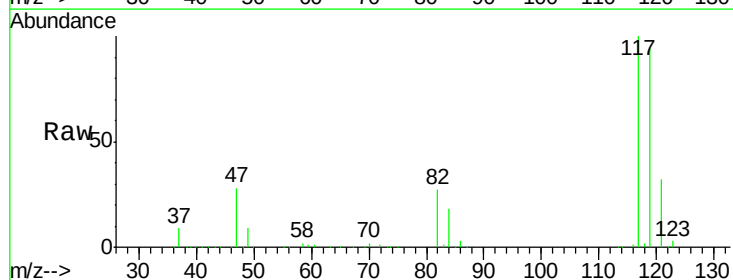
Acq: 04 Jan 2021 10:07

Tgt Ion: 117 Resp: 197502

Ion Ratio Lower Upper

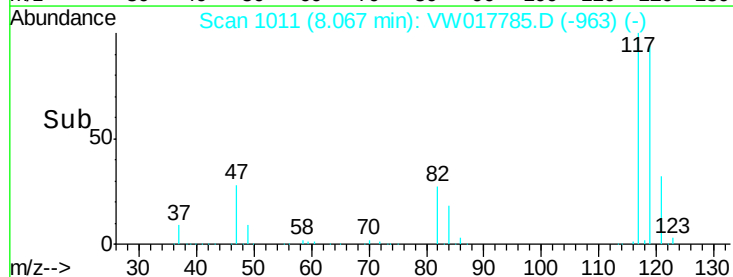
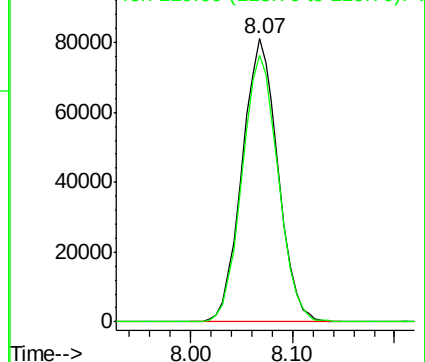
117 100

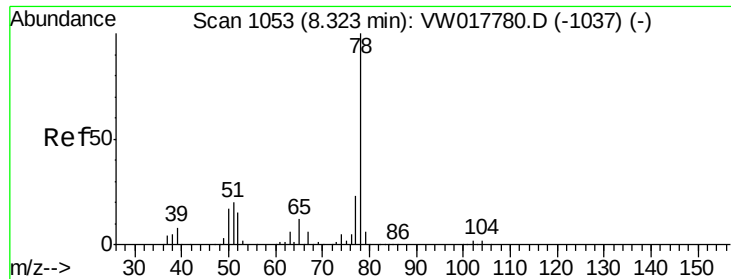
119 94.8 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

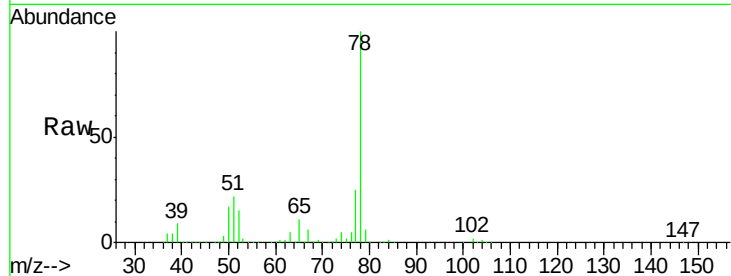




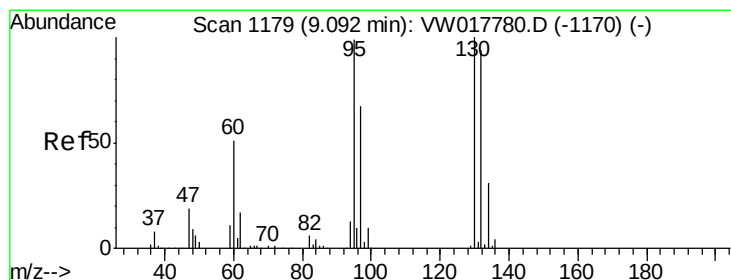
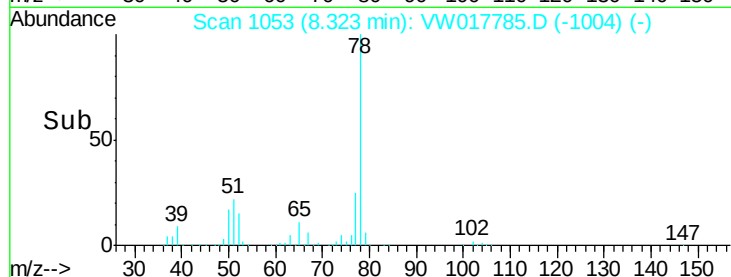
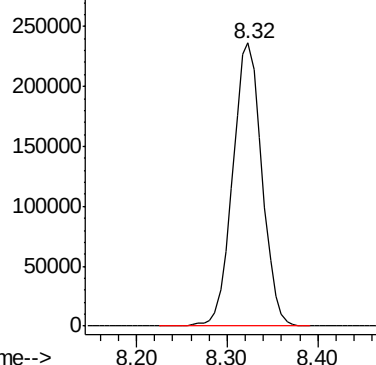
#33
Benzene
Concen: 25.589 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

Tgt Ion: 78 Resp: 526768



Abundance Ion 78.00 (77.70 to 78.70): VW

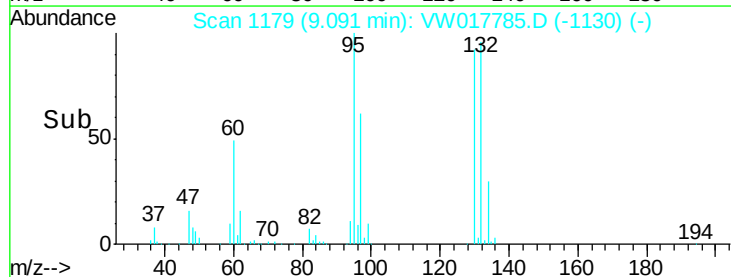
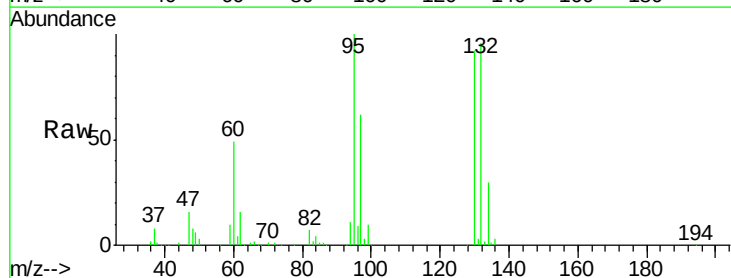
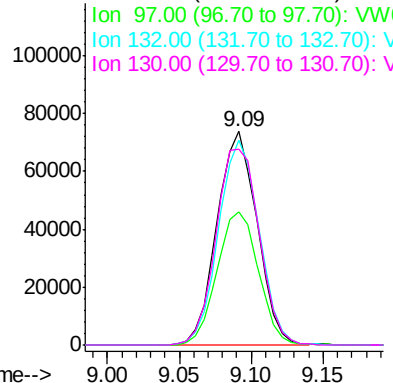


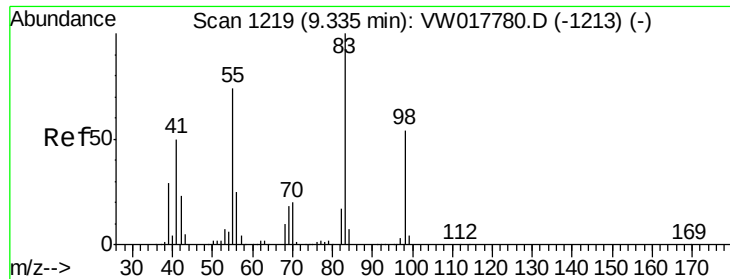
#34
Trichloroethene
Concen: 25.341 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Tgt Ion: 95 Resp: 142469

Ion	Ratio	Lower	Upper
95	100		
97	62.1	47.3	87.8
132	96.1	71.0	131.8
130	91.7	65.1	120.9

Abundance Ion 95.00 (94.70 to 95.70): VW

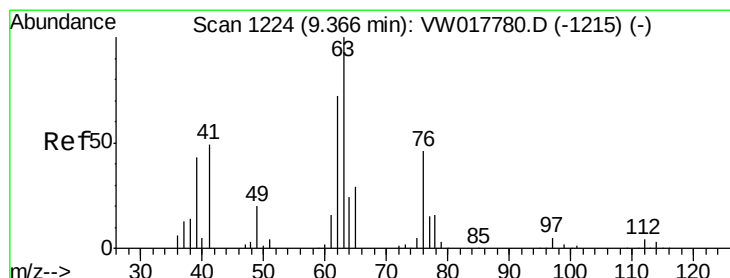
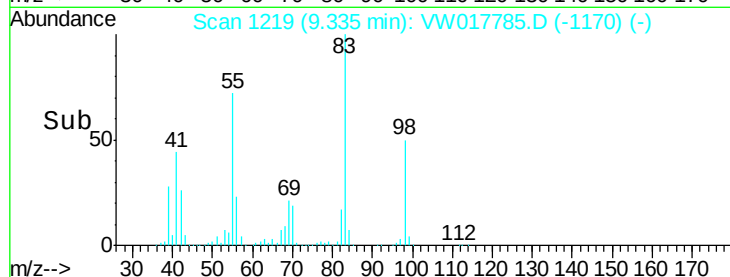
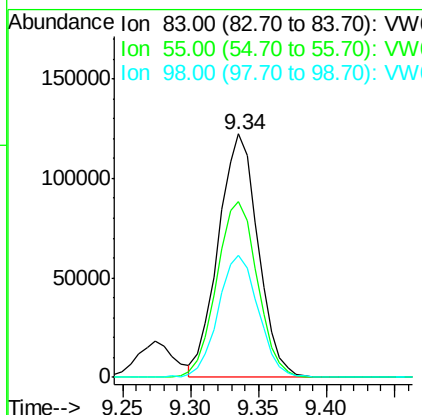
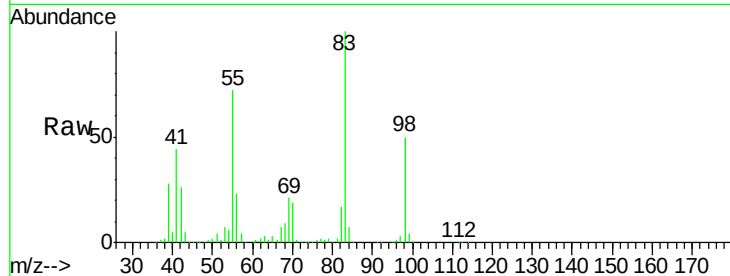




#35
Methylcyclohexane
Concen: 25.812 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

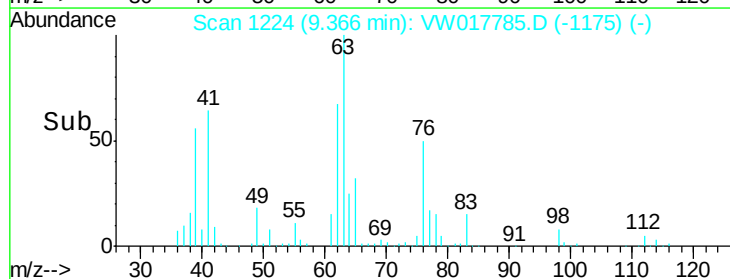
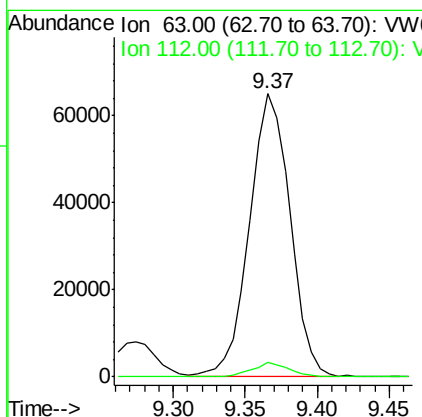
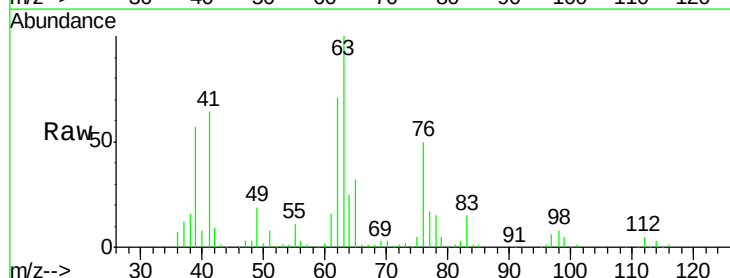
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

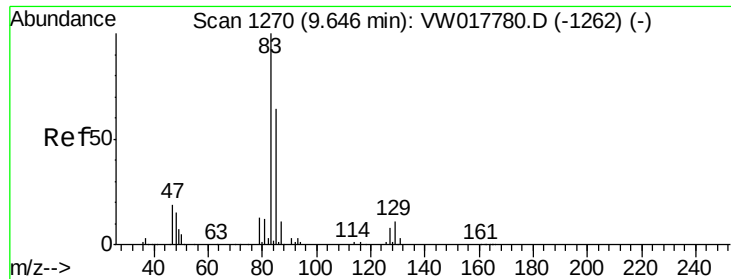
Tgt Ion: 83 Resp: 248483
Ion Ratio Lower Upper
83 100
55 73.8 58.9 88.3
98 50.4 40.1 60.1



#37
1,2-Dichloropropane
Concen: 25.570 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Tgt Ion: 63 Resp: 127406
Ion Ratio Lower Upper
63 100
112 4.7 3.9 5.9

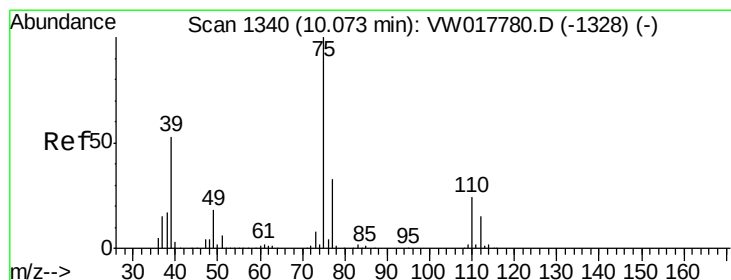
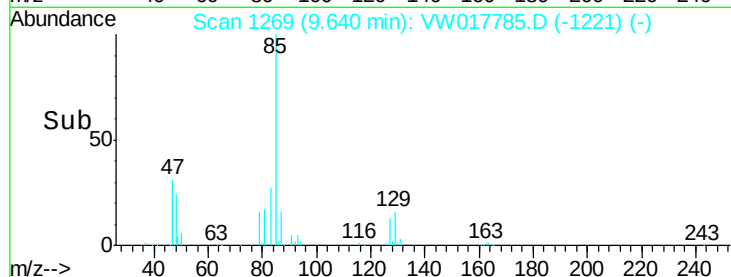
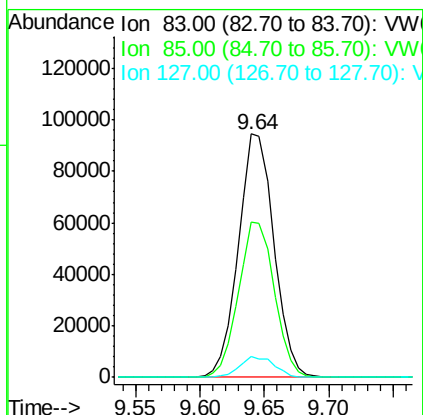
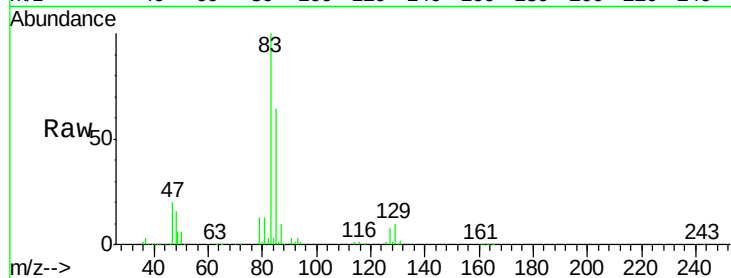




#38
 Bromodichloromethane
 Concen: 25.656 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

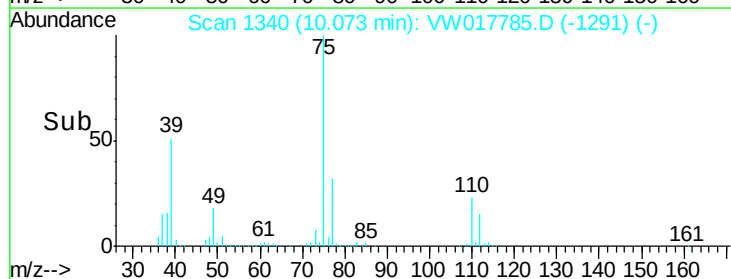
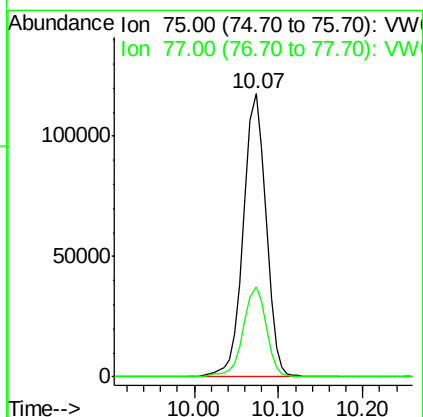
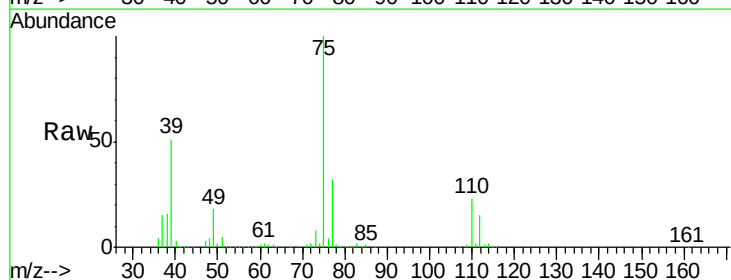
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

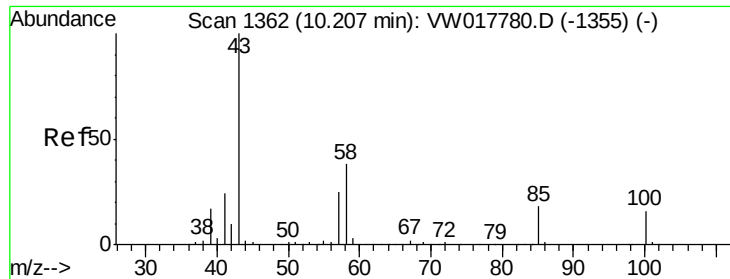
Tgt Ion: 83 Resp: 180553
 Ion Ratio Lower Upper
 83 100
 85 63.9 42.3 78.5
 127 8.4 6.6 9.8



#39
 cis-1,3-Dichloropropene
 Concen: 26.882 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion: 75 Resp: 213850
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.6 42.0

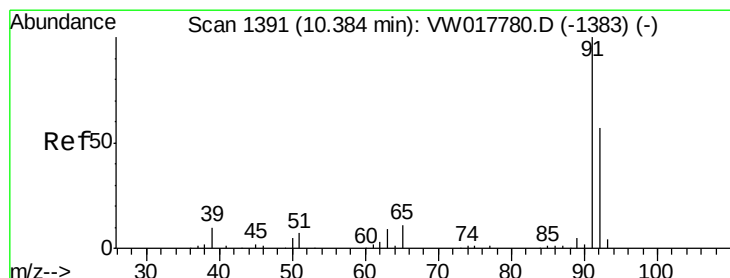
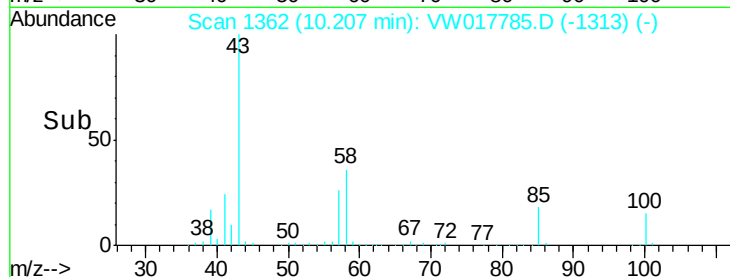
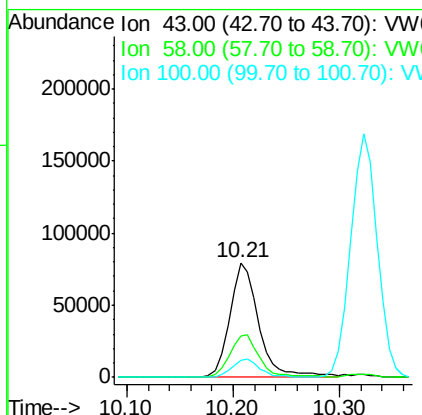
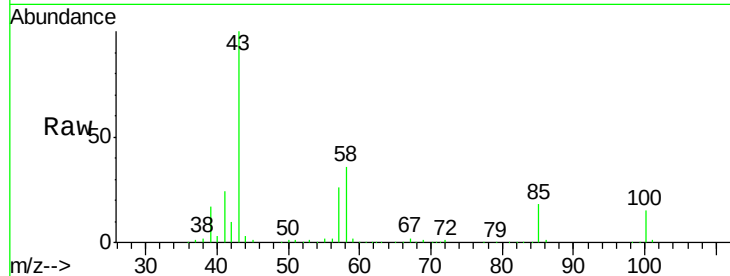




#40
4-Methyl-2-pentanone
Concen: 42.867 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

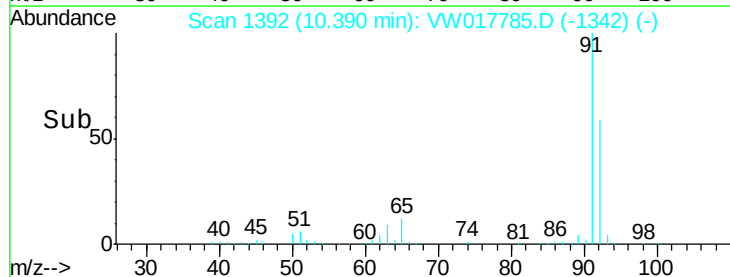
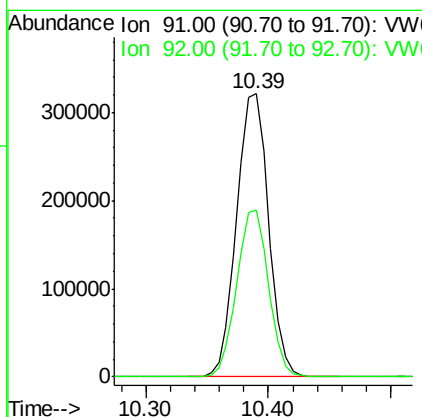
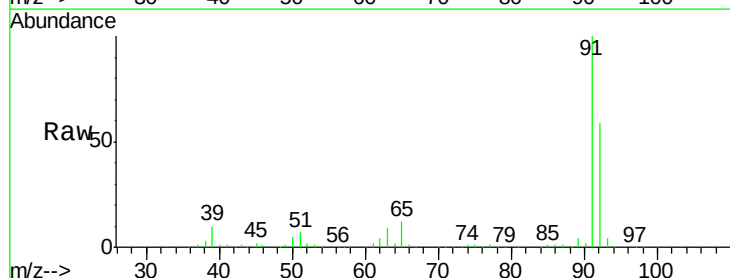
Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

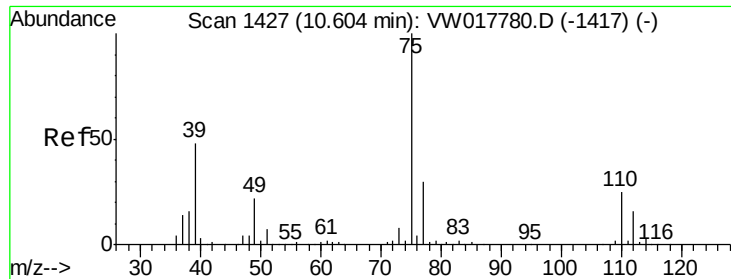
Tgt Ion: 43 Resp: 151606
Ion Ratio Lower Upper
43 100
58 38.2 31.0 46.4
100 16.1 13.0 19.6



#42
Toluene
Concen: 24.997 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Tgt Ion: 91 Resp: 582814
Ion Ratio Lower Upper
91 100
92 59.1 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 26.590 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

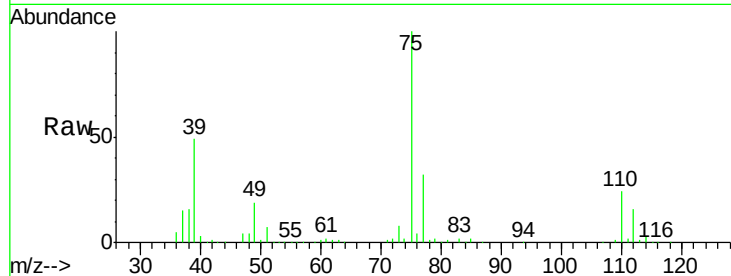
VSTD025108

Tgt Ion: 75 Resp: 192880

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

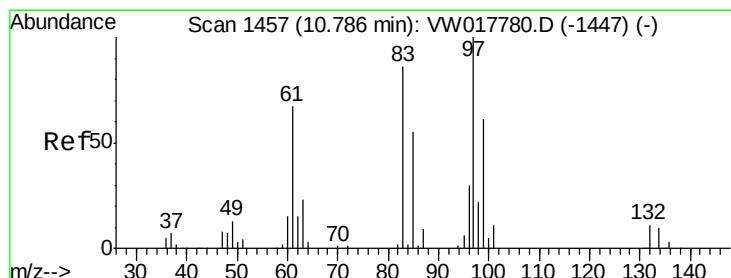
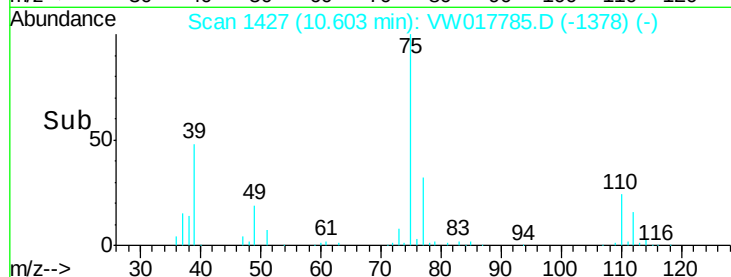
60000

40000

20000

0

Time--> 10.50 10.60



#45

1,1,2-Trichloroethane

Concen: 24.119 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Tgt Ion: 97 Resp: 100869

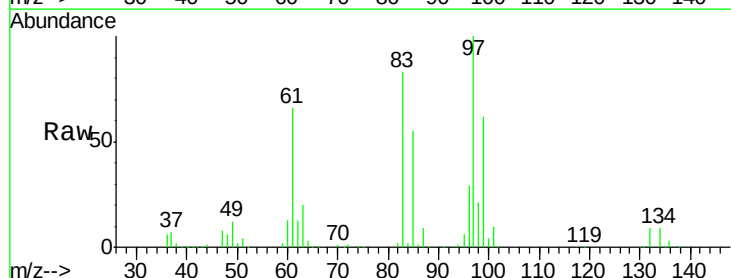
Ion Ratio Lower Upper

97 100

99 62.0 45.1 83.7

83 82.5 58.1 107.9

85 54.8 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

80000

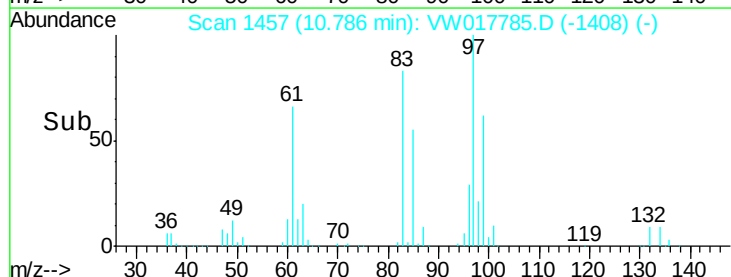
60000

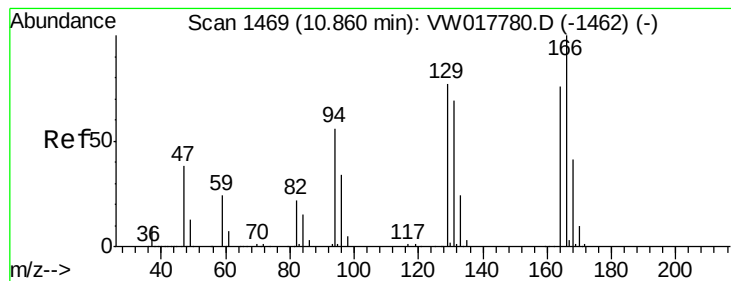
40000

20000

0

Time--> 10.70 10.75 10.80 10.85





#46

Tetrachloroethene

Concen: 25.727 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

Tgt Ion:164 Resp: 110838

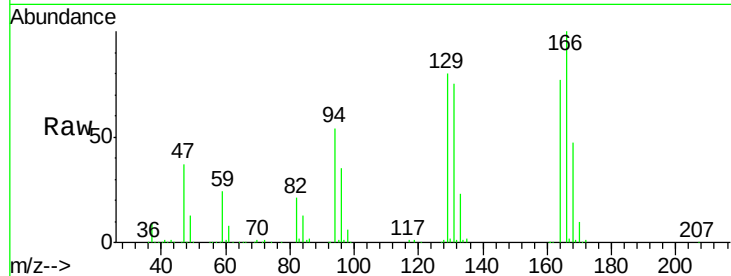
Ion Ratio Lower Upper

164 100

129 103.8 66.7 123.9

131 97.2 61.1 113.5

166 129.7 87.0 161.6

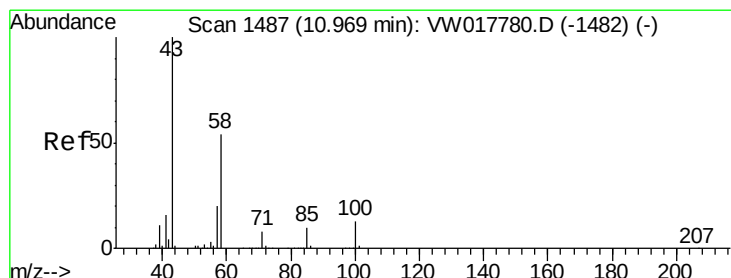
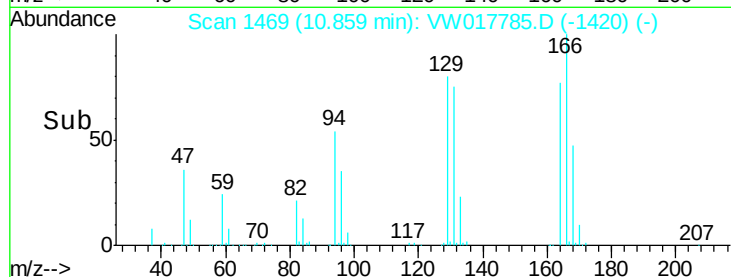
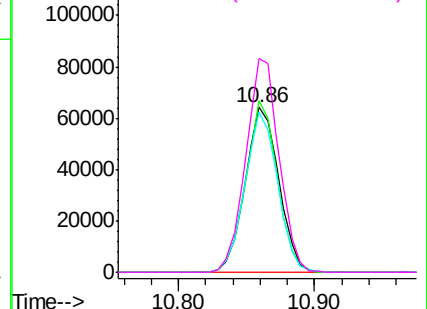


Abundance Ion 164.00 (163.70 to 164.70): V

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: 43.496 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Tgt Ion: 43 Resp: 107772

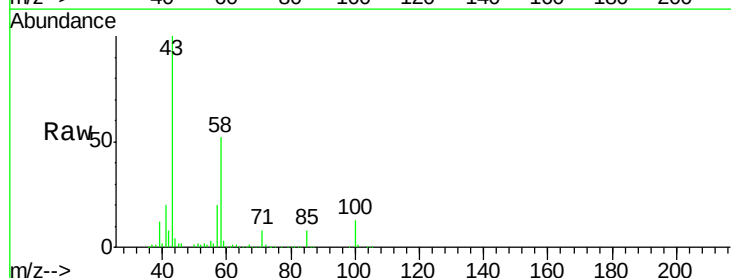
Ion Ratio Lower Upper

43 100

58 52.3 42.7 64.1

57 19.0 15.8 23.8

100 12.8 10.0 15.0

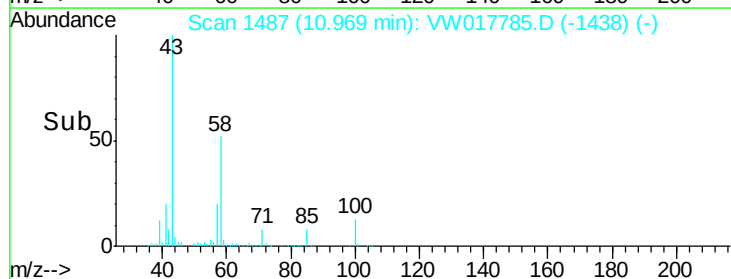
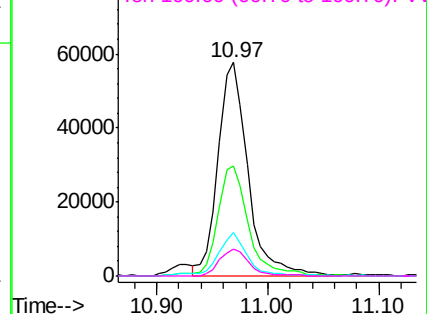


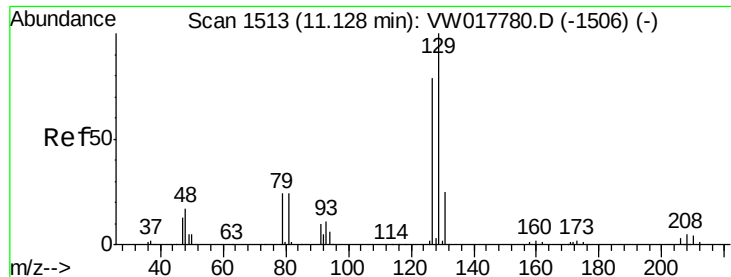
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#49

Dibromochloromethane

Concen: 25.664 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

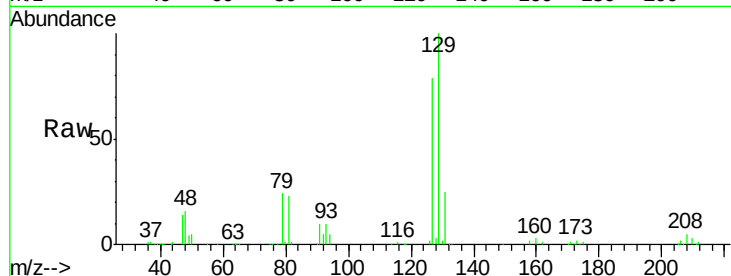
VSTD025108

Tgt Ion:129 Resp: 123173

Ion Ratio Lower Upper

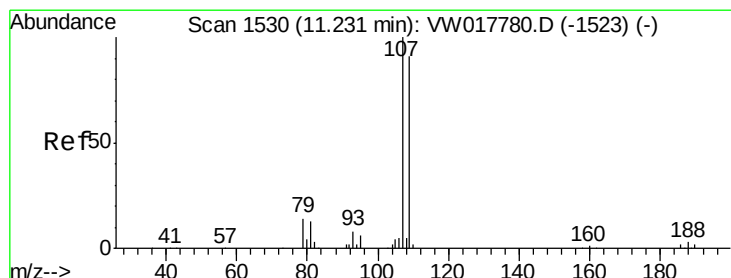
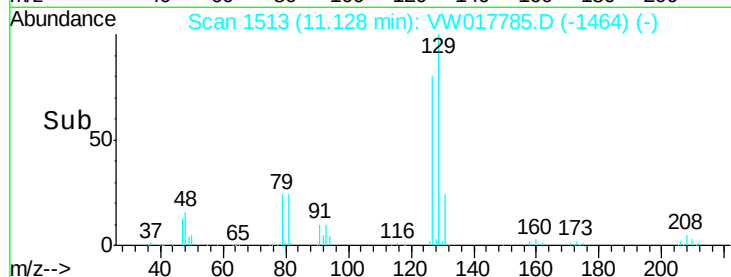
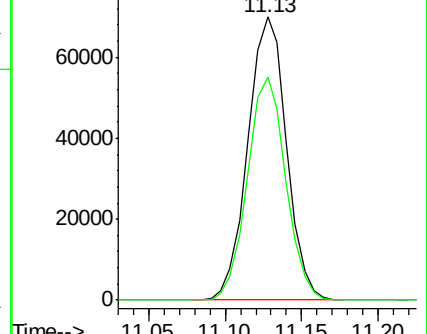
129 100

127 79.0 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 24.035 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

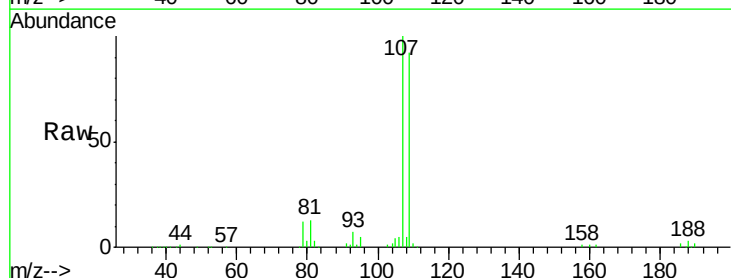
Tgt Ion:107 Resp: 99321

Ion Ratio Lower Upper

107 100

109 92.2 65.4 121.4

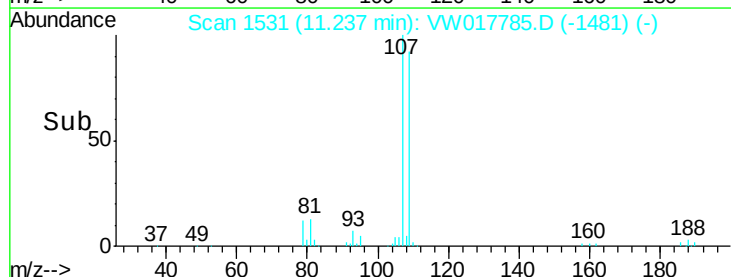
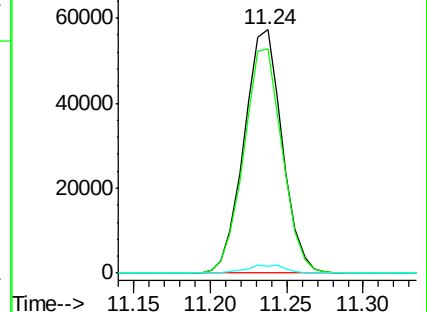
188 3.0 2.6 4.0

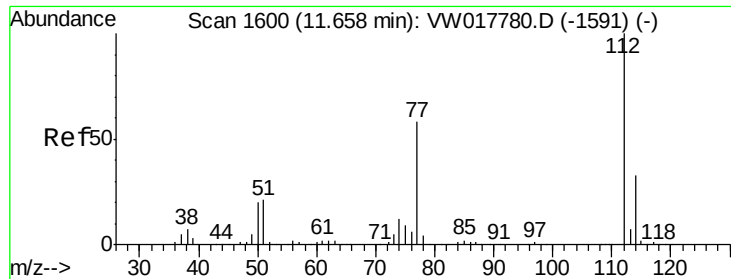


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

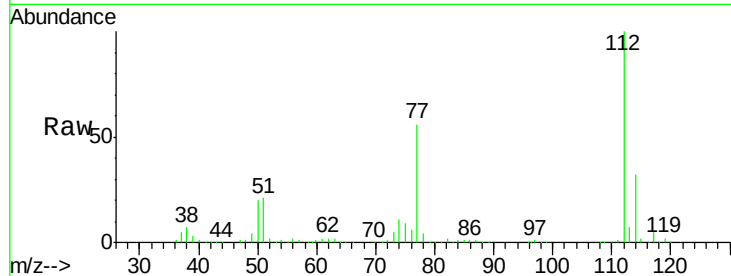




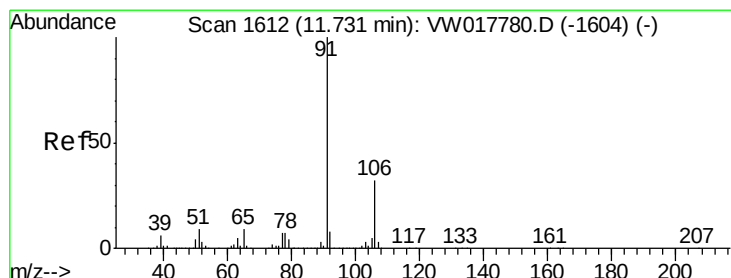
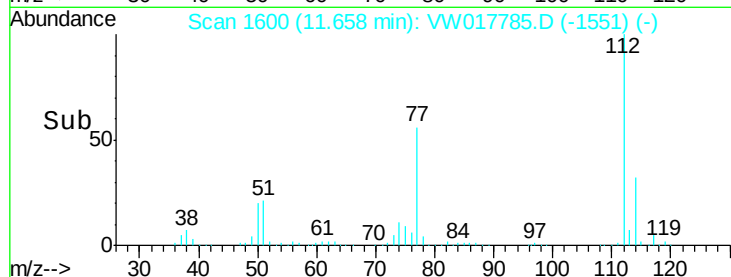
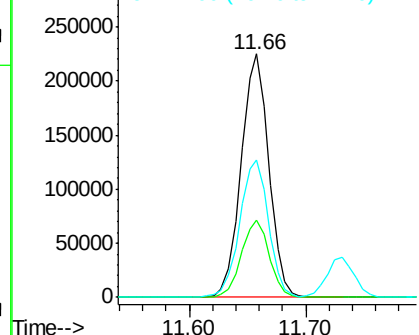
#51
Chlorobenzene
Concen: 25.166 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025108

Tgt Ion: 112 Resp: 372305
Ion Ratio Lower Upper
112 100
114 31.9 23.4 43.6
77 56.3 47.6 71.4

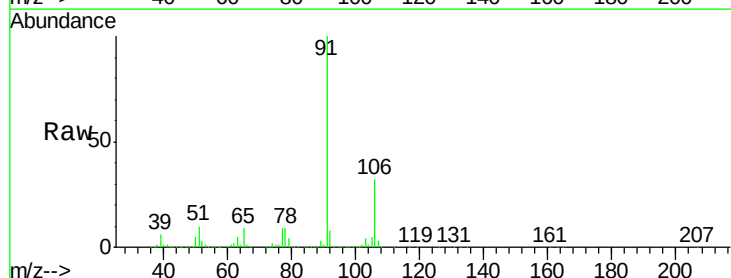


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

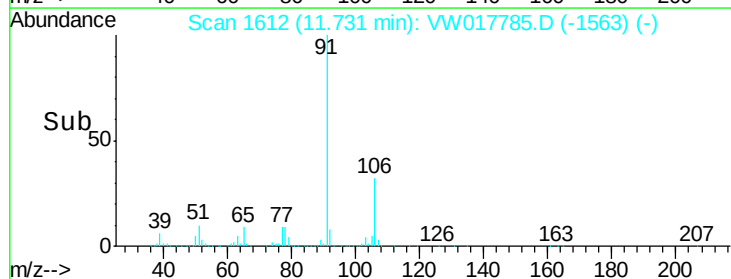
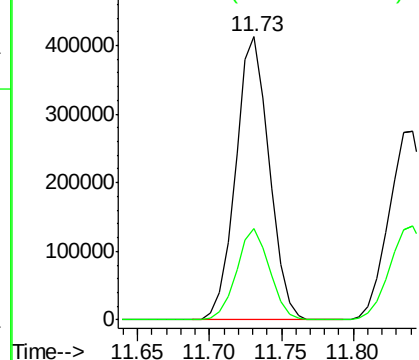


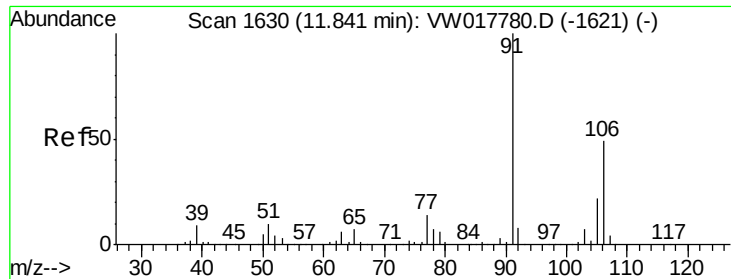
#52
Ethylbenzene
Concen: 25.142 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017785.D
Acq: 04 Jan 2021 10:07

Tgt Ion: 91 Resp: 669447
Ion Ratio Lower Upper
91 100
106 32.3 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 24.961 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

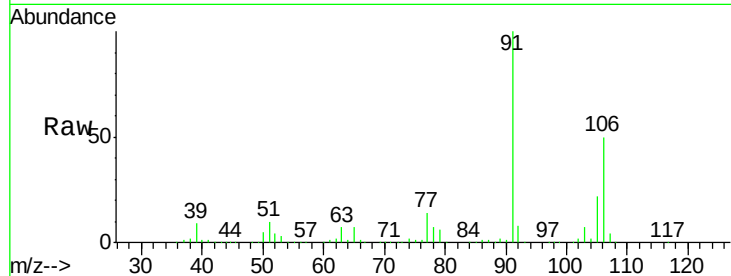
VSTD025108

Tgt Ion:106 Resp: 257142

Ion Ratio Lower Upper

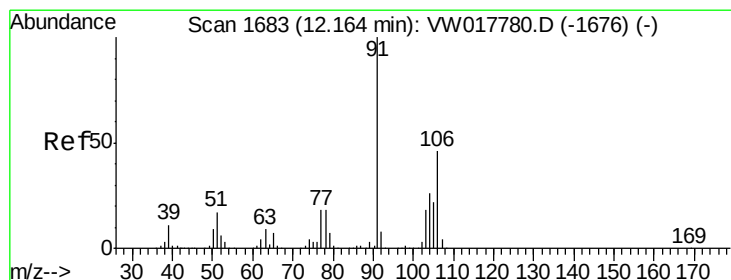
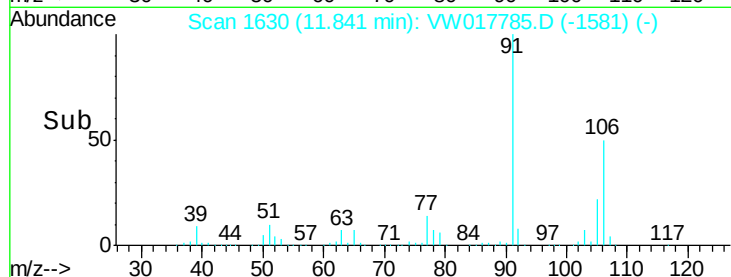
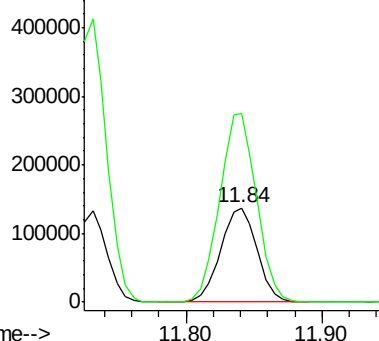
106 100

91 201.0 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 25.155 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017785.D

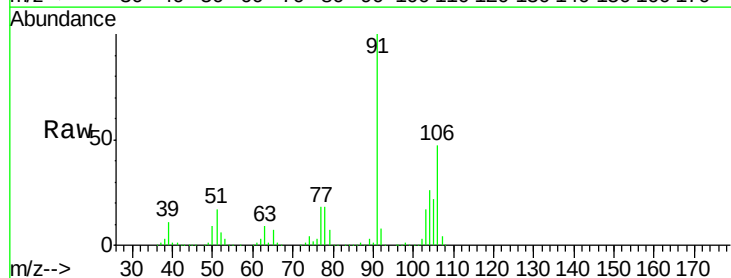
Acq: 04 Jan 2021 10:07

Tgt Ion:106 Resp: 244583

Ion Ratio Lower Upper

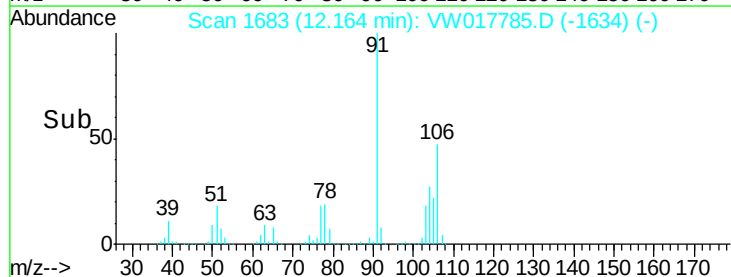
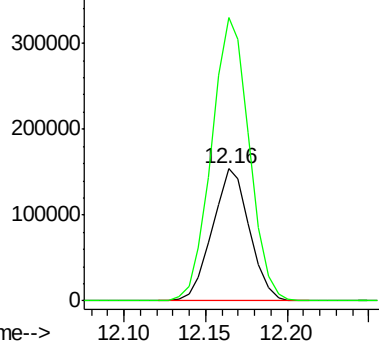
106 100

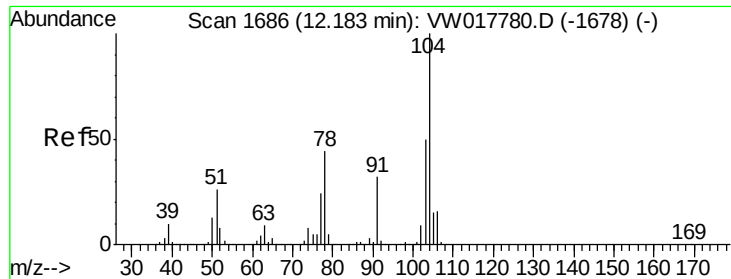
91 214.1 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 24.972 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

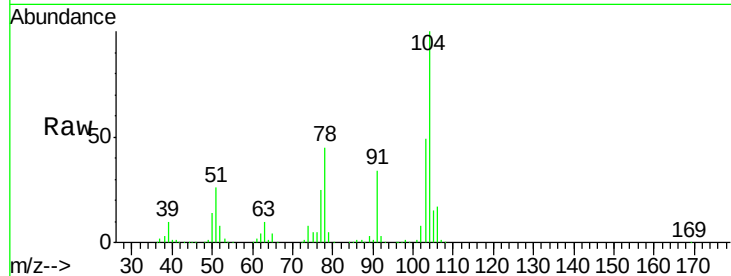
VSTD025108

Tgt Ion: 104 Resp: 415429

Ion Ratio Lower Upper

104 100

78 45.1 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW

12.18

250000

200000

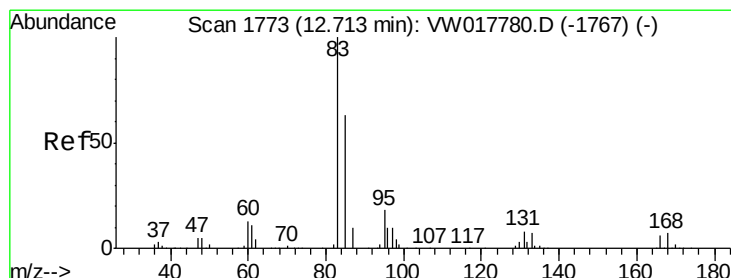
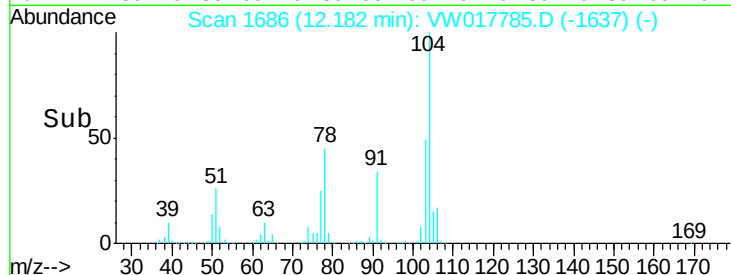
150000

100000

50000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 22.234 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

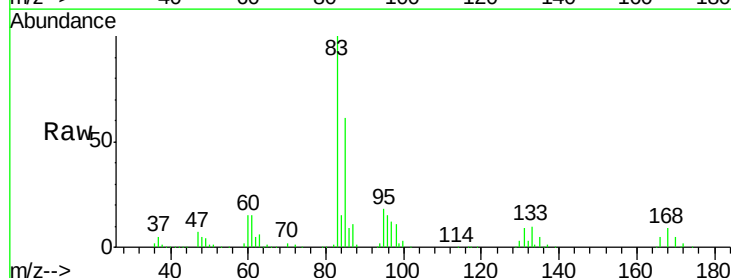
Tgt Ion: 83 Resp: 120904

Ion Ratio Lower Upper

83 100

85 61.2 44.4 82.4

131 8.9 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

12.71

100000

80000

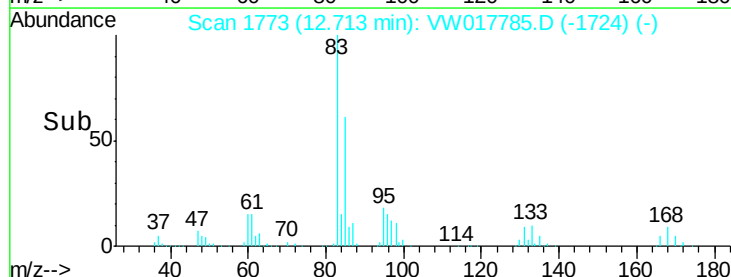
60000

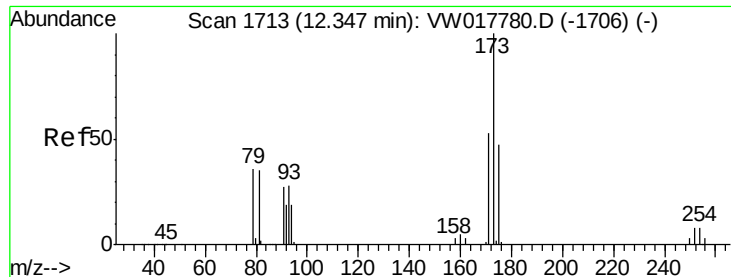
40000

20000

0

Time-->





#59

Bromoform

Concen: 24.937 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

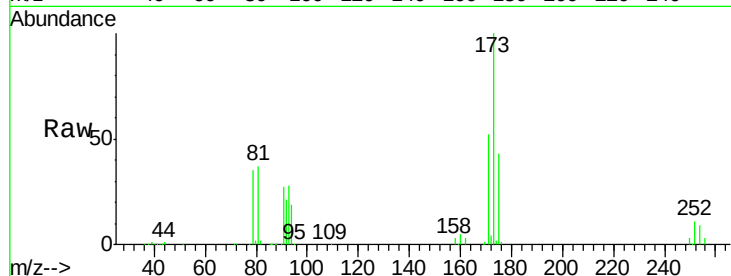
Tgt Ion:173 Resp: 67774

Ion Ratio Lower Upper

173 100

175 47.4 37.5 56.3

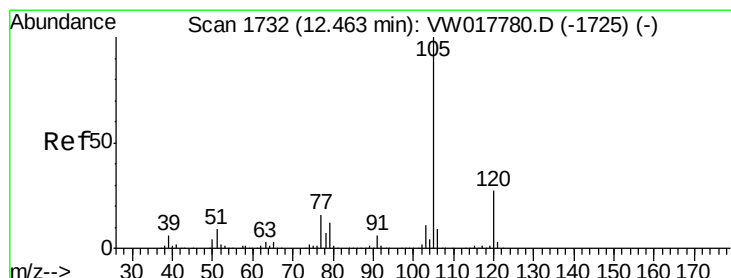
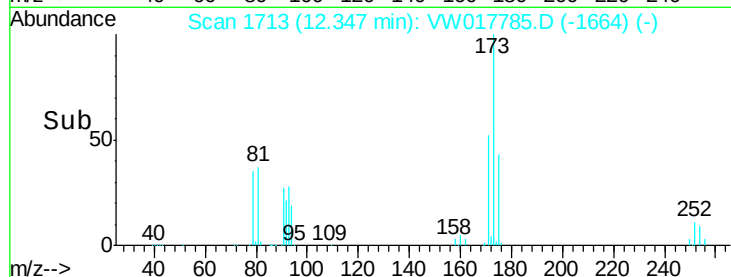
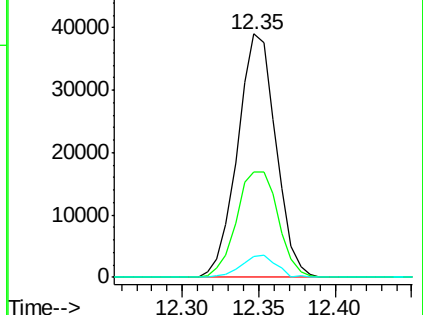
254 8.1 7.0 10.4



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: 25.574 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

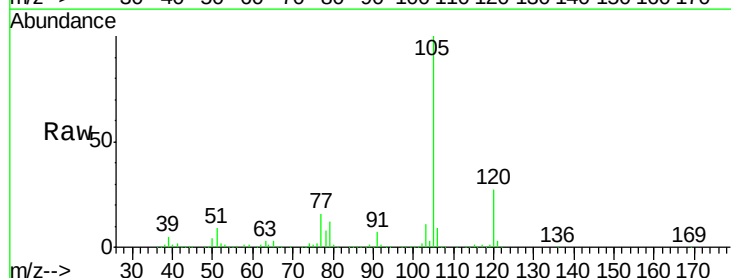
Tgt Ion:105 Resp: 677697

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

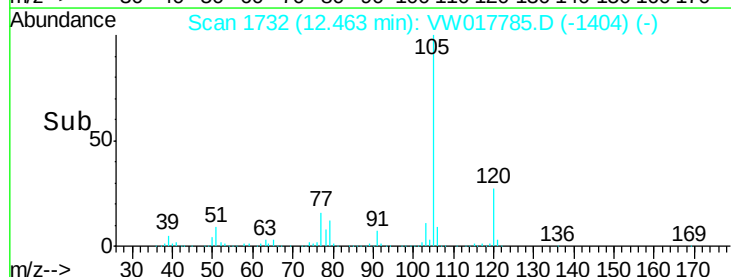
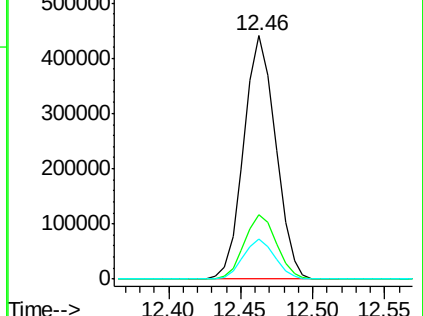
77 16.4 13.2 19.8

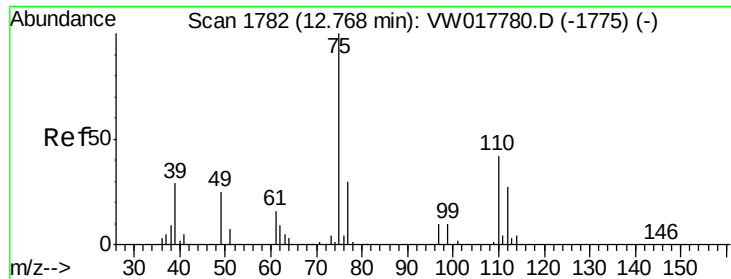


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

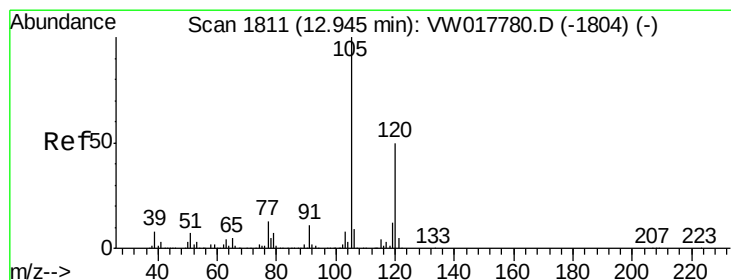
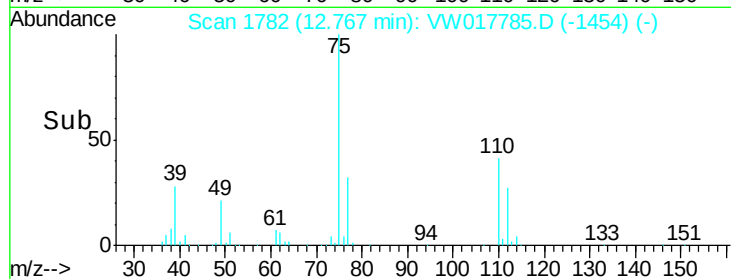
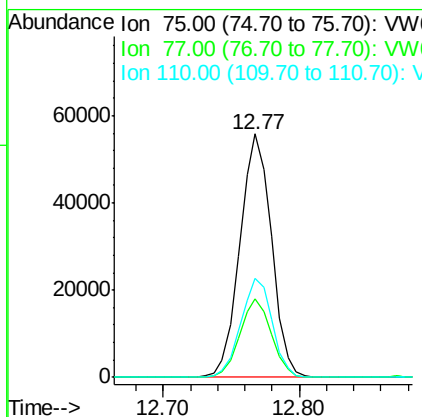
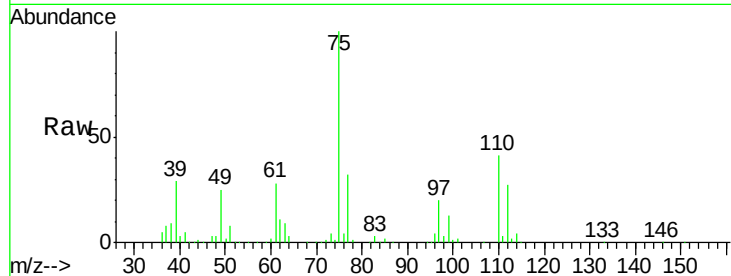




#61
 1,2,3-Trichloropropane
 Concen: 22.633 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

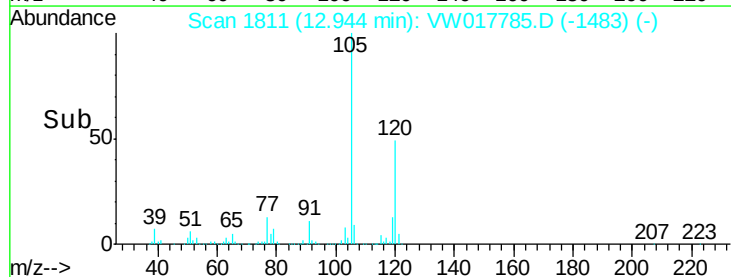
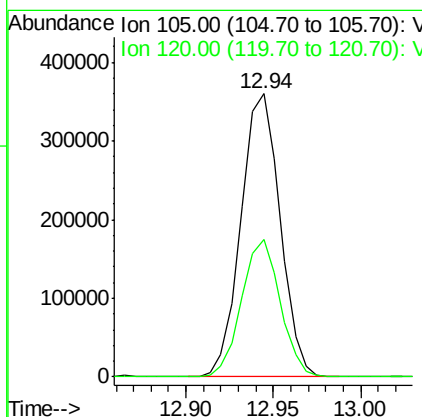
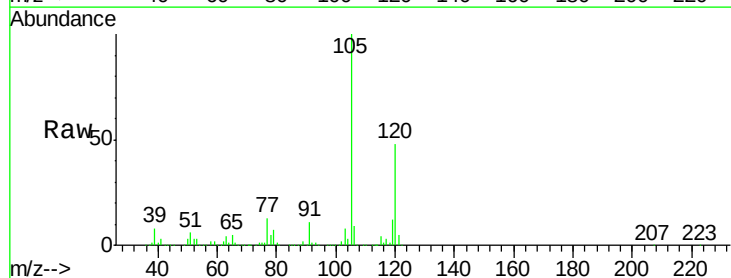
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

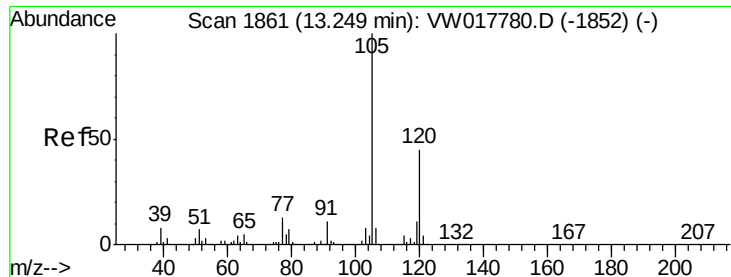
Tgt Ion: 75 Resp: 90288
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.3 37.9
 110 40.5 32.6 48.8



#62
 1,3,5-Trimethylbenzene
 Concen: 26.615 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion: 105 Resp: 561063
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.0 58.6

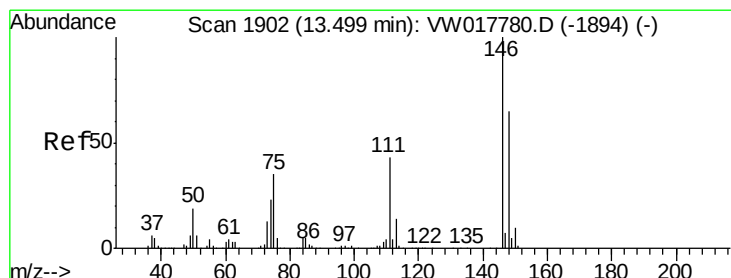
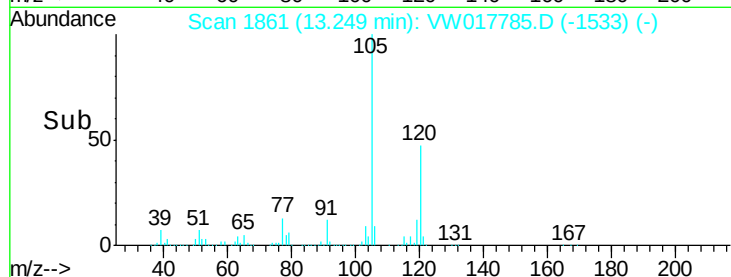
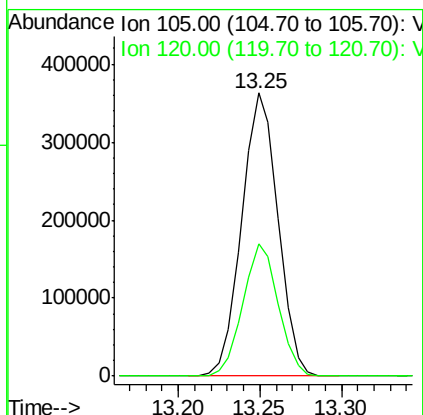
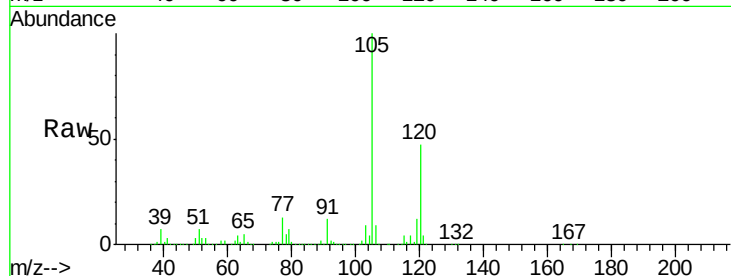




#63
 1,2,4-Trimethylbenzene
 Concen: 26.216 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

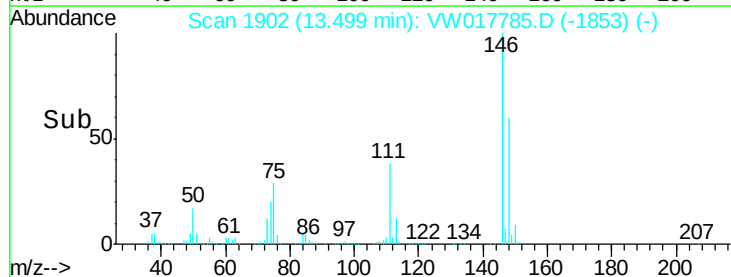
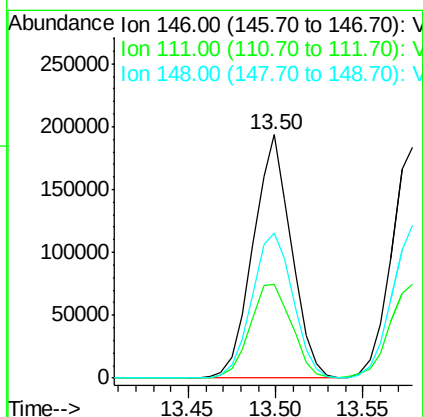
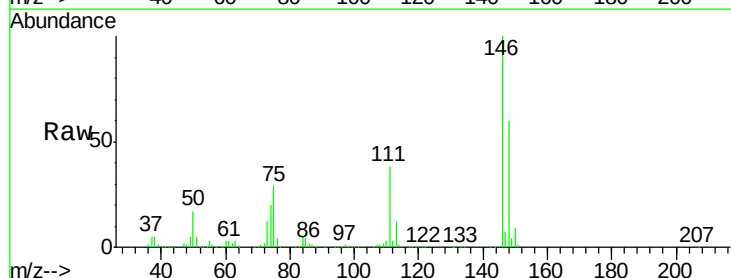
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

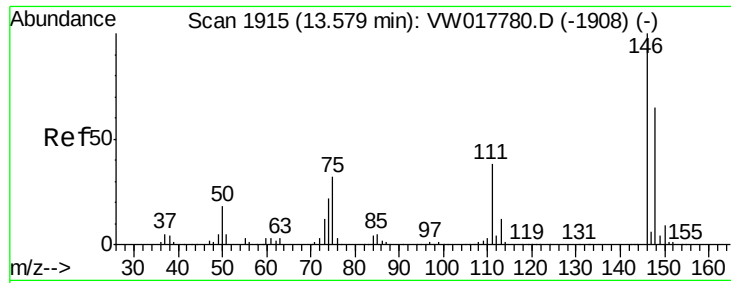
Tgt Ion:105 Resp: 562438
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.6 53.4



#64
 1,3-Dichlorobenzene
 Concen: 25.639 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion:146 Resp: 293314
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.7 49.7
 148 59.7 41.1 76.3

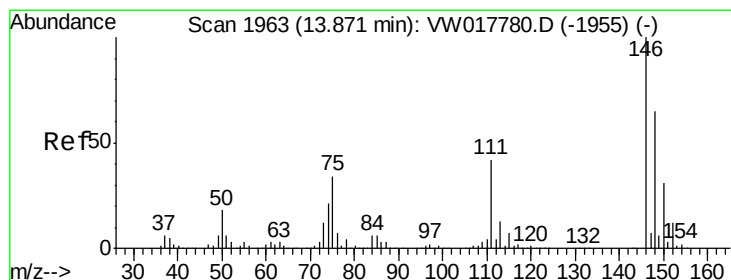
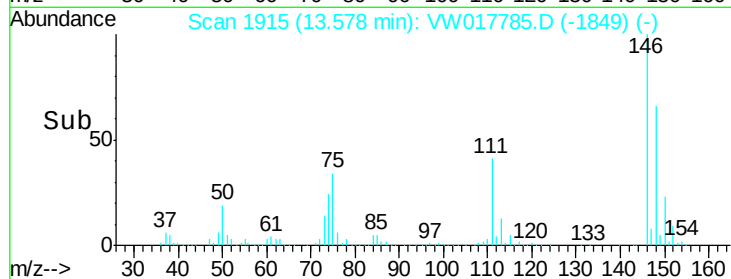
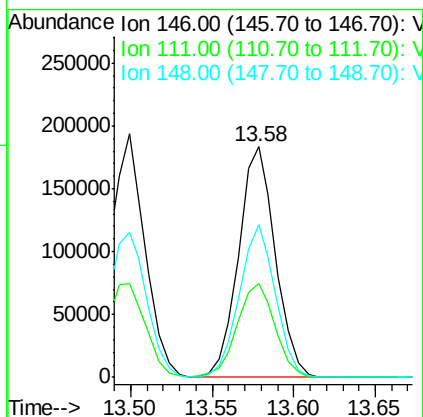
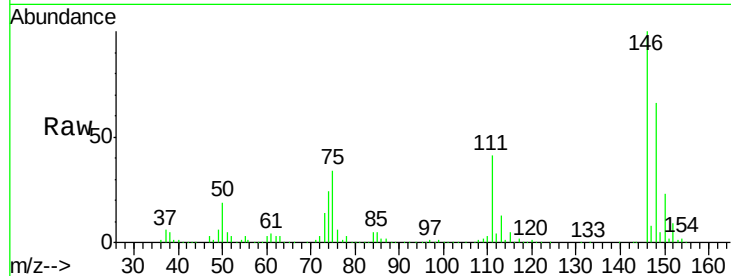




#65
 1,4-Dichlorobenzene
 Concen: 25.155 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

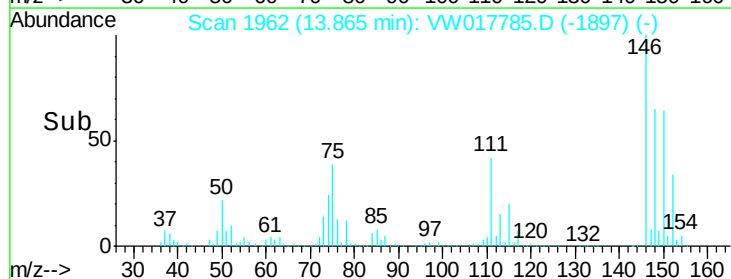
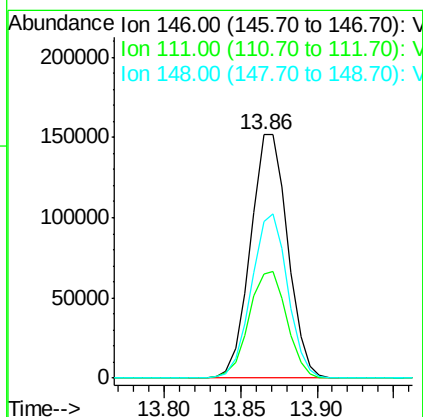
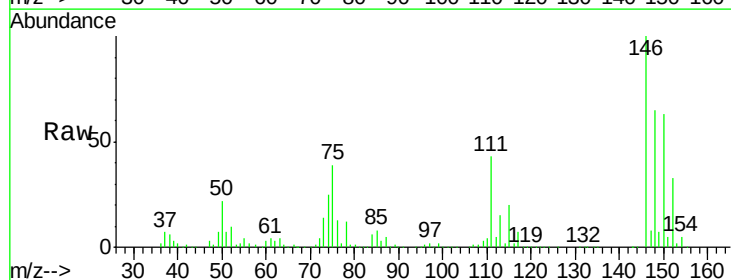
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

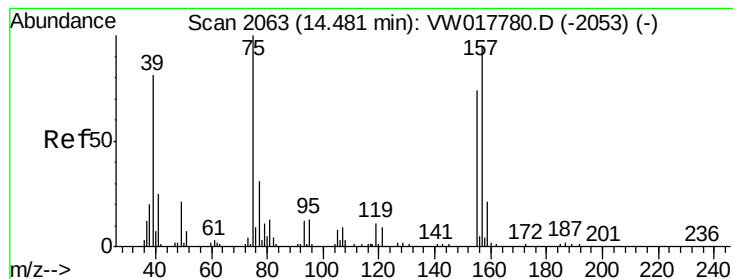
Tgt Ion:146 Resp: 285864
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.8 53.4
 148 66.3 46.8 87.0



#67
 1,2-Dichlorobenzene
 Concen: 25.116 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion:146 Resp: 257843
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.2 49.8
 148 64.5 50.4 75.6





#68

1,2-Dibromo-3-chloropropane

Concen: 22.447 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025108

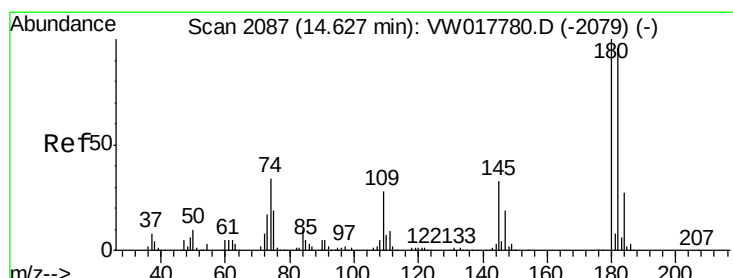
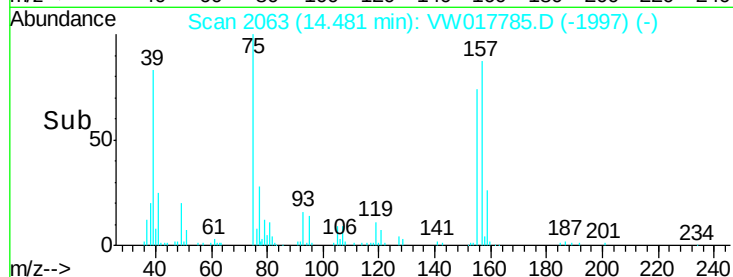
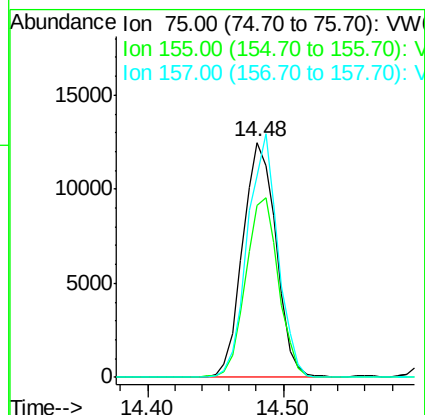
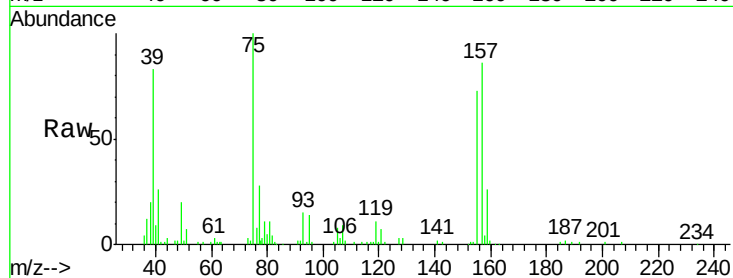
Tgt Ion: 75 Resp: 21428

Ion Ratio Lower Upper

75 100

155 73.1 59.4 89.0

157 85.6 72.2 108.2



#69

1,3,5-Trichlorobenzene

Concen: 26.598 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017785.D

Acq: 04 Jan 2021 10:07

Tgt Ion: 180 Resp: 205871

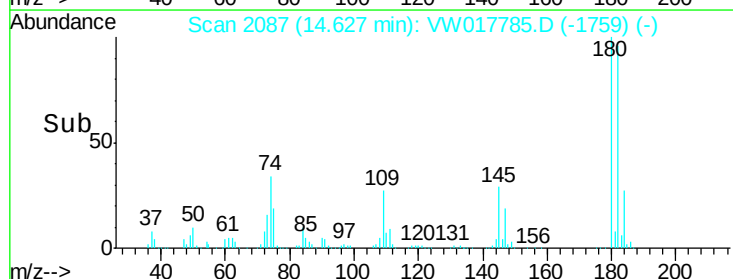
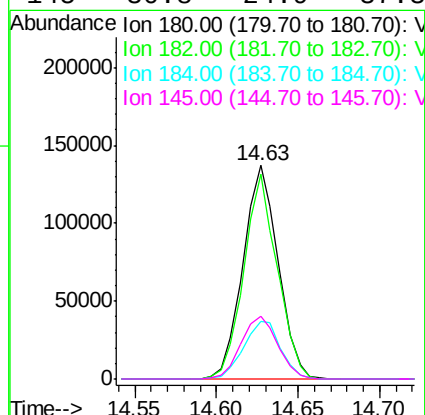
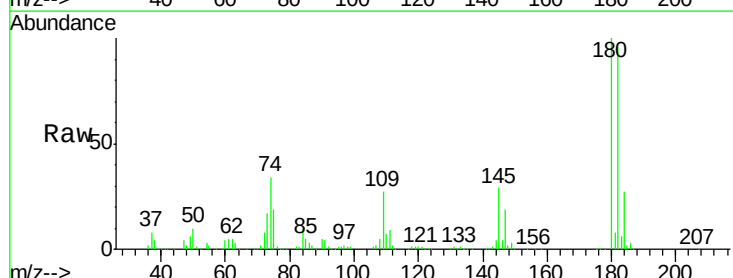
Ion Ratio Lower Upper

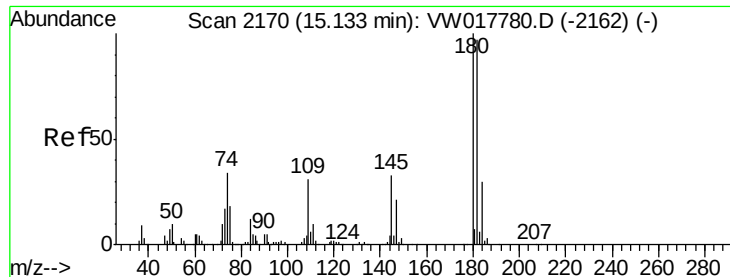
180 100

182 91.6 73.4 110.2

184 28.6 23.6 35.4

145 30.8 24.9 37.3

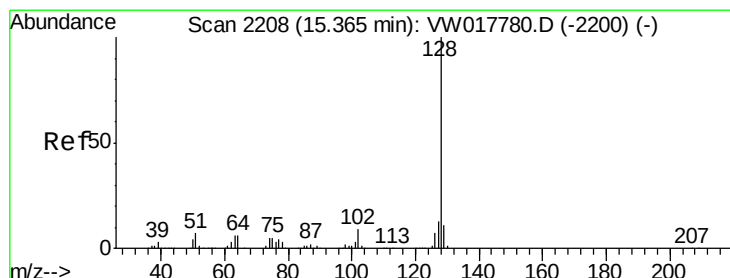
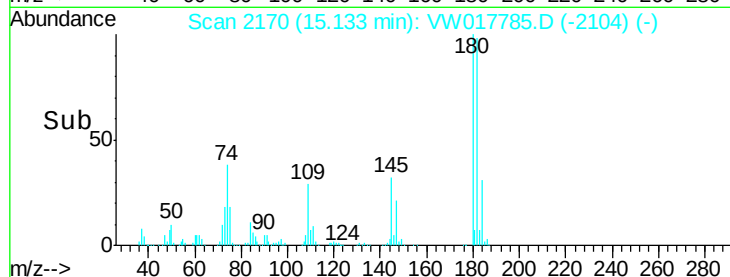
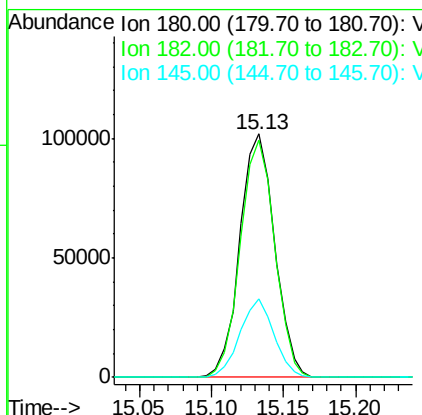
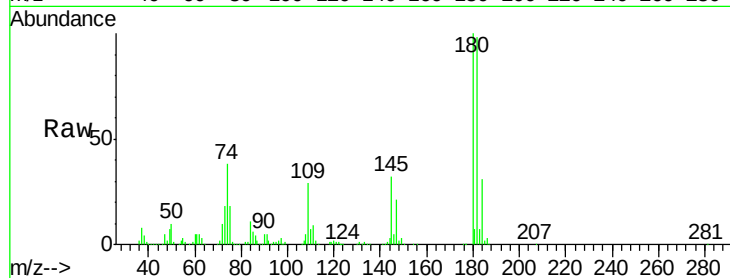




#70
 1,2,4-trichlorobenzene
 Concen: 25.502 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

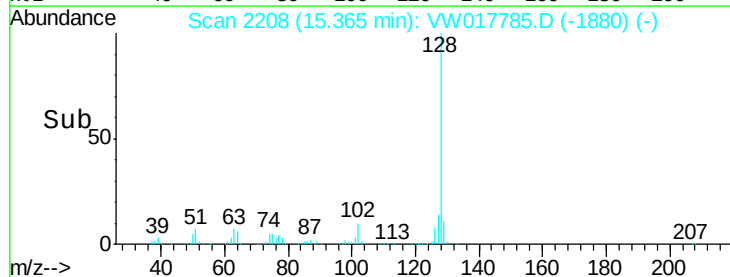
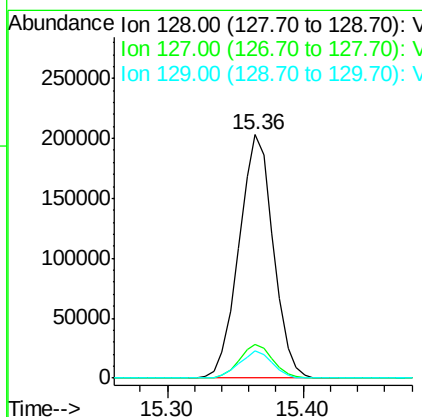
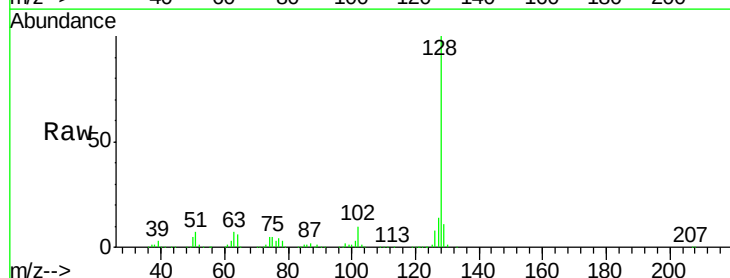
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

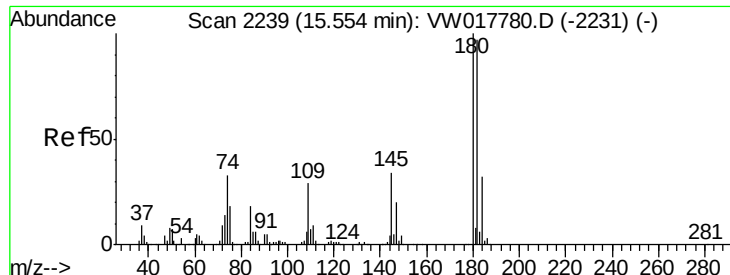
Tgt Ion:180 Resp: 170908
 Ion Ratio Lower Upper
 180 100
 182 96.1 74.7 112.1
 145 31.4 25.0 37.4



#71
 Naphthalene
 Concen: 23.118 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Tgt Ion:128 Resp: 357012
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.6 15.8
 129 10.8 9.0 13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 25.421 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW017785.D
 Acq: 04 Jan 2021 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025108

Tgt Ion:	180	Resp:	149735
Ion Ratio	Lower	Upper	
180	100		
182	92.3	76.7	115.1
145	34.2	28.9	43.3

