

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122420\NOT REVIEWED DATA\
 Data File : VW017728.D
 Acq On : 24 Dec 2020 10:51
 Operator : SY/VA
 Sample : VSTD02503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Quant Time: Dec 24 12:40:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	401325	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	354555	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187647	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	135397	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
7) Chloroethane-d5	2.89	69	113590	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.68%
10) 1,1-Dichloroethene-d2	4.02	63	254721	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.16%
20) 2-Butanone-d5	7.08	46	42987	42.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.42%
24) Chloroform-d	7.65	84	243701	23.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.96%
26) 1,2-Dichloroethane-d4	8.30	65	125526	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	8.27	84	471734	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	9.27	67	132279	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
37) Toluene-d8	10.32	98	454734	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.84%
38) trans-1,3-Dichloropropene-	10.58	79	58473	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.32%
39) 2-Hexanone-d5	10.93	63	30260	43.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95277	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	148659	22.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	101571	22.923	ug/L 100
3) Chloromethane	2.21	50	86182	21.882	ug/L 100
5) Vinyl chloride	2.37	62	154510	23.190	ug/L 100
6) Bromomethane	2.78	94	122847	24.864	ug/L 100
8) Chloroethane	2.93	64	99511	23.821	ug/L 100
9) Trichlorofluoromethane	3.26	101	119745	21.905	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	125809	24.659	ug/L 100
12) 1,1-Dichloroethene	4.04	96	122493	24.766	ug/L 100
13) Acetone	4.13	43	40762	46.903	ug/L 100
14) Carbon disulfide	4.38	76	374155	25.334	ug/L 100
15) Methyl Acetate	4.67	43	38318	22.749	ug/L 100
16) Methylene chloride	4.92	84	119684	20.854	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	151819	24.220	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	131437	24.637	ug/L 100
19) 1,1-Dichloroethane	6.21	63	221223	24.272	ug/L 100
21) 2-Butanone	7.17	43	53420	45.698	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	136305	24.314	ug/L 100

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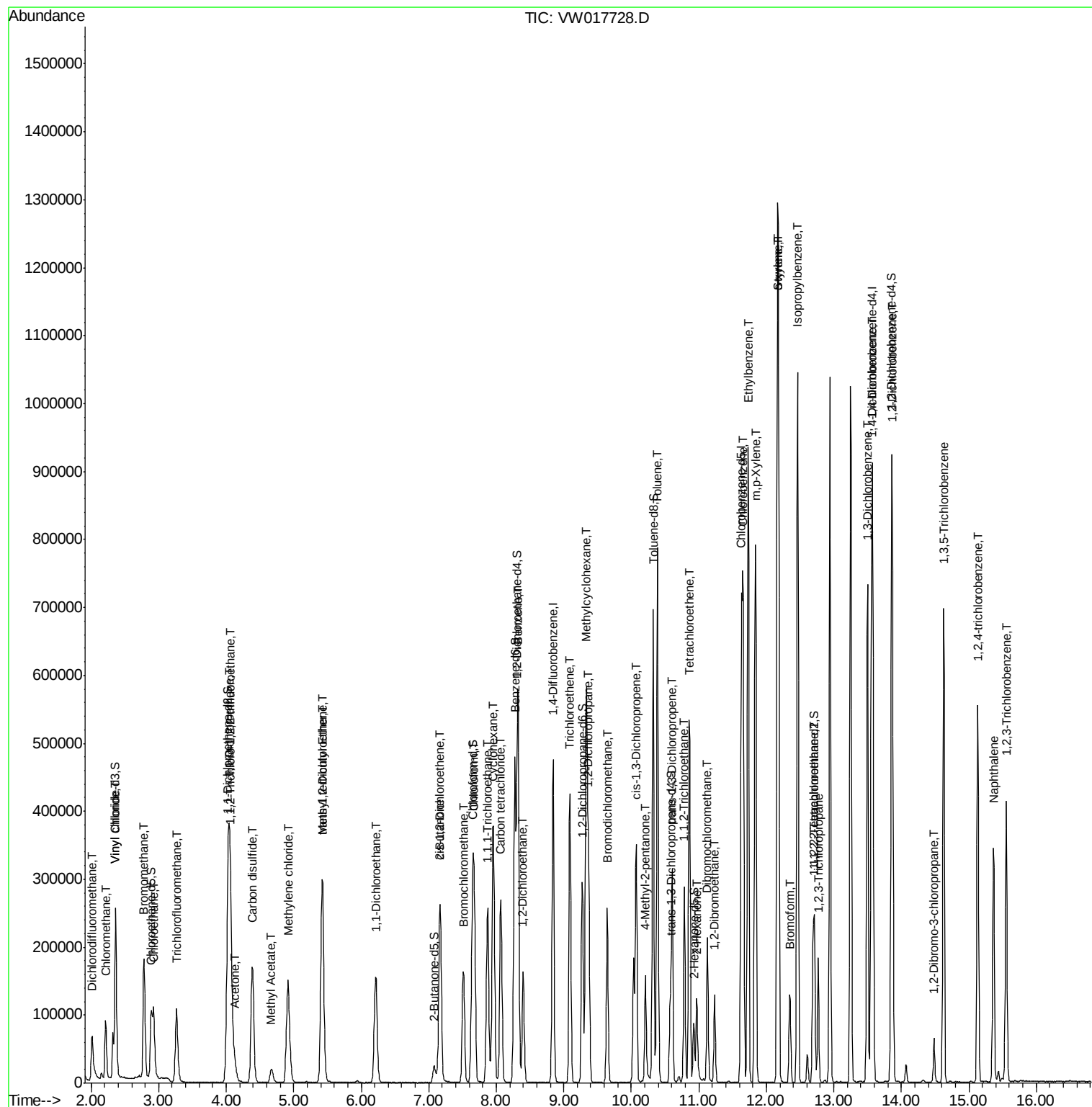
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	57852	24.361	ug/L	100
25) Chloroform	7.67	83	236033	24.611	ug/L	100
27) 1,2-Dichloroethane	8.40	62	150526	24.264	ug/L	100
30) Cyclohexane	7.96	56	212426	25.171	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	206407	25.308	ug/L	100
32) Carbon tetrachloride	8.07	117	195976	25.469	ug/L	100
34) Benzene	8.32	78	501327	24.729	ug/L	100
35) Trichloroethene	9.09	95	138835	24.742	ug/L	100
36) Methylcyclohexane	9.34	83	248826	25.366	ug/L	100
40) 1,2-Dichloropropane	9.37	63	118924	24.850	ug/L	100
41) Bromodichloromethane	9.65	83	164182	25.062	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	194442	25.460	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	113339	48.746	ug/L	100
44) Toluene	10.39	91	572883	24.782	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	165740	25.486	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	86725	24.380	ug/L	100
47) Tetrachloroethene	10.87	164	108875	24.817	ug/L	100
49) 2-Hexanone	10.97	43	82925	50.269	ug/L	100
50) Dibromochloromethane	11.13	129	106771	25.282	ug/L	100
51) 1,2-Dibromoethane	11.24	107	82248	24.422	ug/L	100
52) Chlorobenzene	11.66	112	362241	25.102	ug/L	100
53) Ethylbenzene	11.73	91	661135	25.206	ug/L	100
54) m,p-Xylene	11.84	106	259460	25.288	ug/L	100
55) o-xylene	12.16	106	240903	24.966	ug/L	100
56) Styrene	12.18	104	403109	25.115	ug/L	100
57) Isopropylbenzene	12.46	105	674202	25.237	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	96469	24.297	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	71068	24.350	ug/L	100
62) Bromoform	12.35	173	56128	24.446	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	277217	23.935	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	278936	23.966	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	244991	24.073	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	15708	23.435	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	196468	24.744	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	160987	24.633	ug/L	100
69) Naphthalene	15.36	128	293251	23.562	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	131100	23.755	ug/L	100

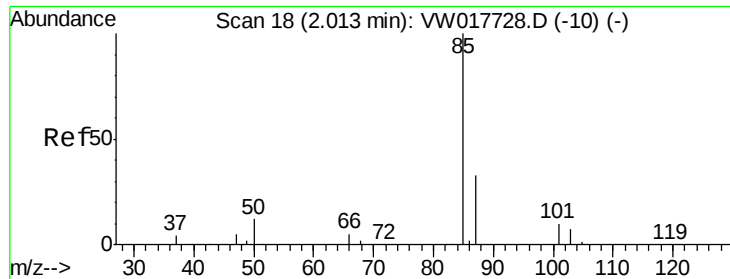
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.923 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

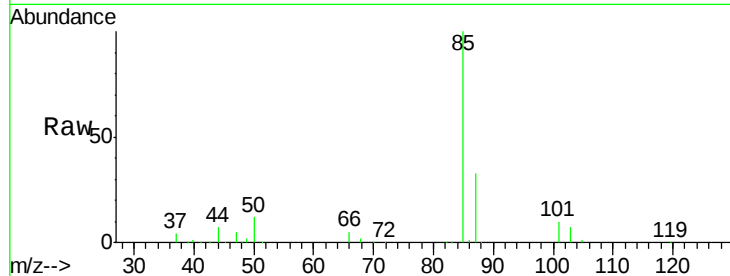
VSTD02503

Tgt Ion: 85 Resp: 101571

Ion Ratio Lower Upper

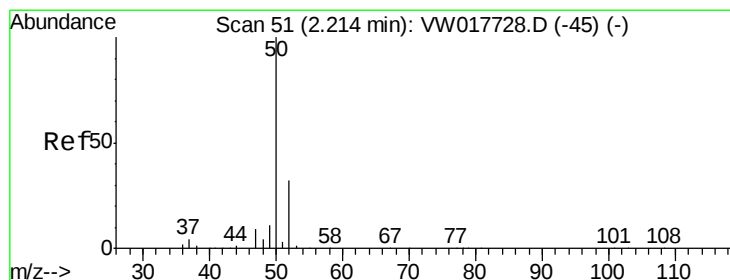
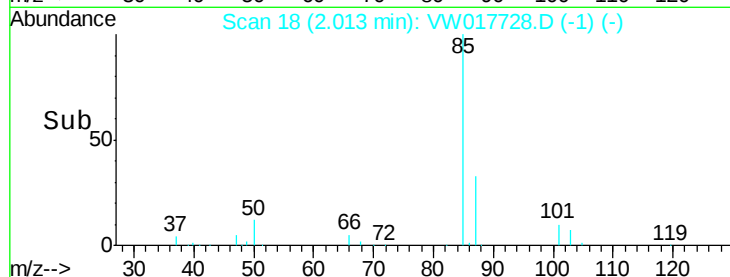
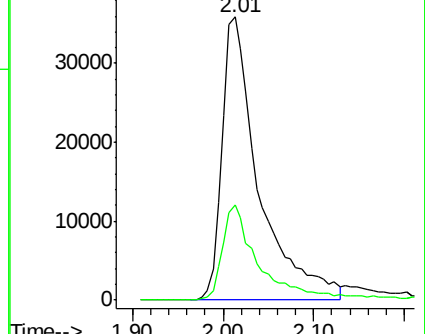
85 100

87 31.5 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.882 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017728.D

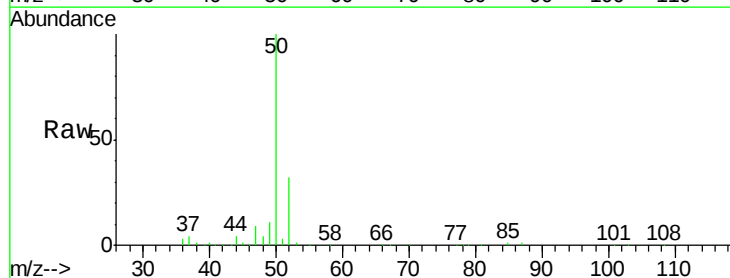
Acq: 24 Dec 2020 10:51

Tgt Ion: 50 Resp: 86182

Ion Ratio Lower Upper

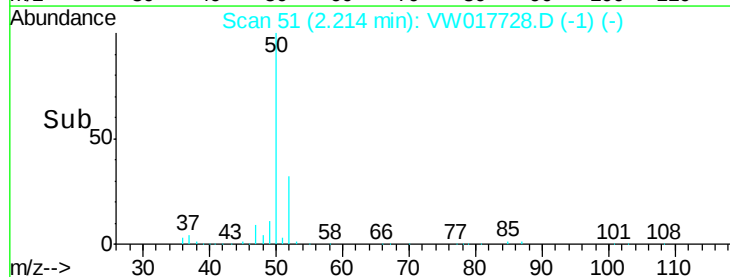
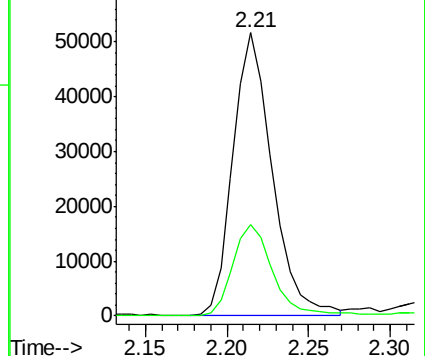
50 100

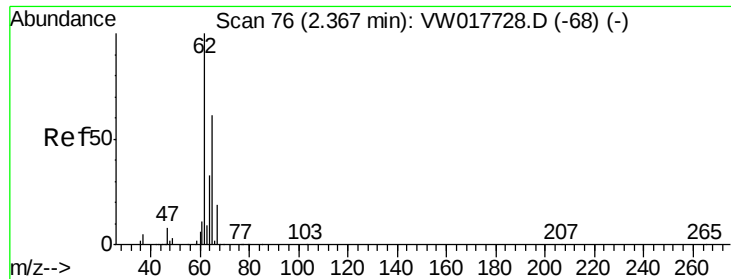
52 32.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.190 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

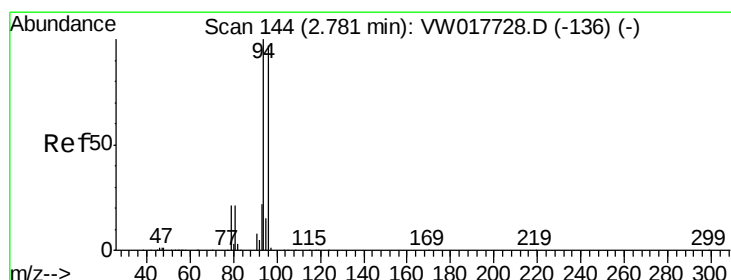
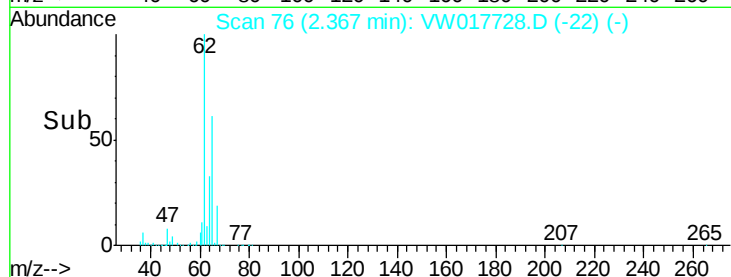
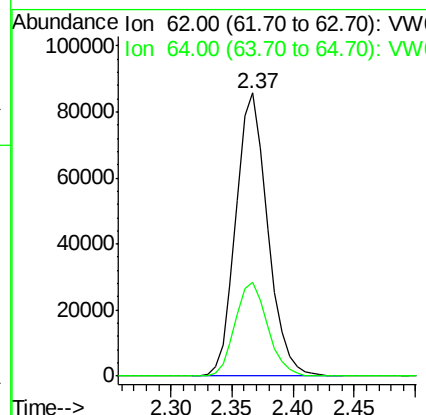
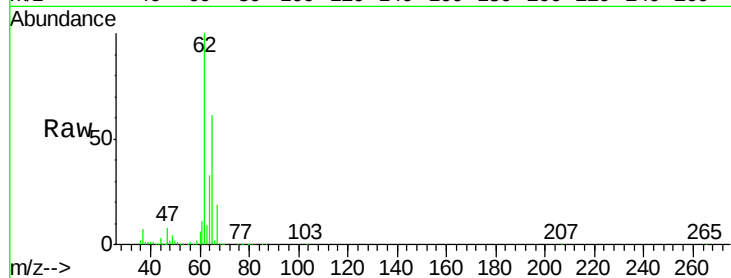
VSTD02503

Tgt Ion: 62 Resp: 154510

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 24.864 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017728.D

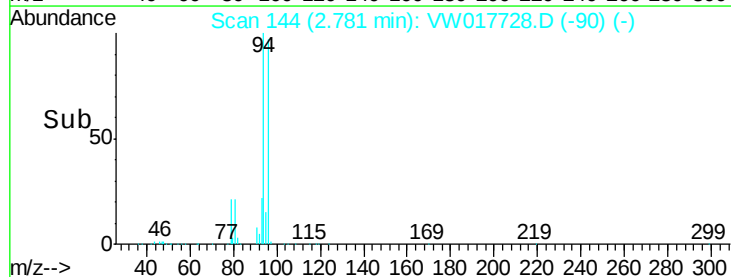
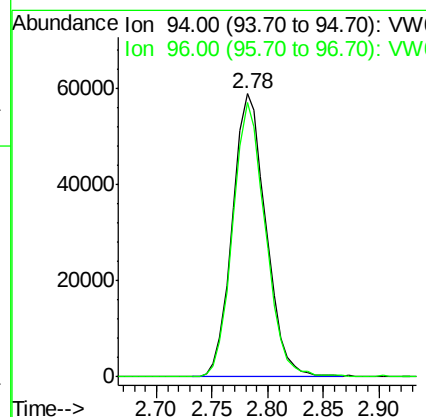
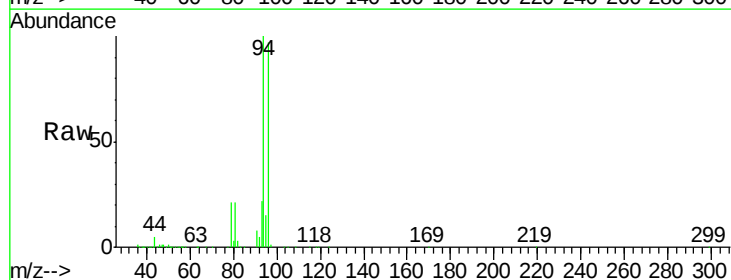
Acq: 24 Dec 2020 10:51

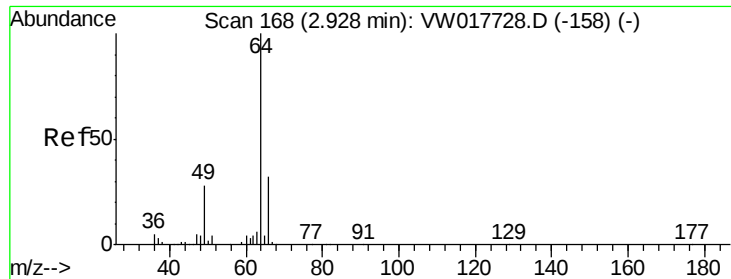
Tgt Ion: 94 Resp: 122847

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.6





#8

Chloroethane

Concen: 23.821 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

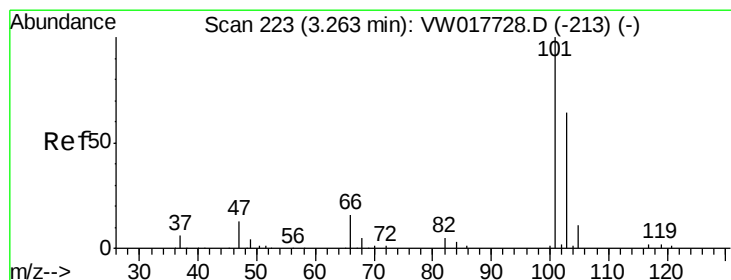
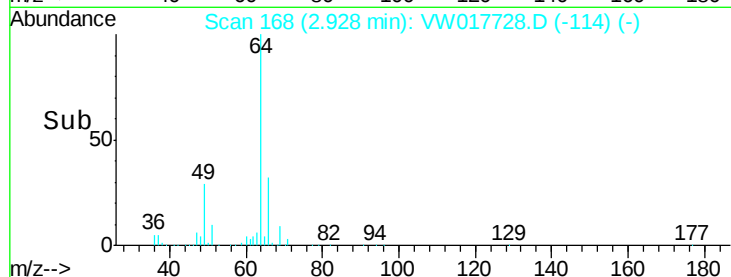
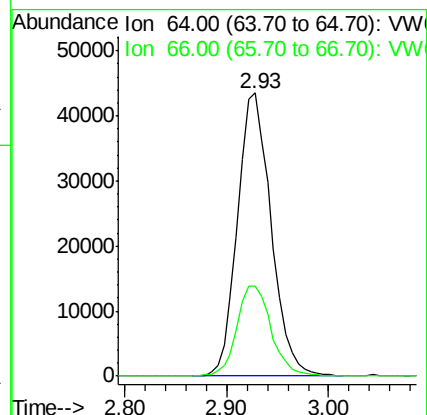
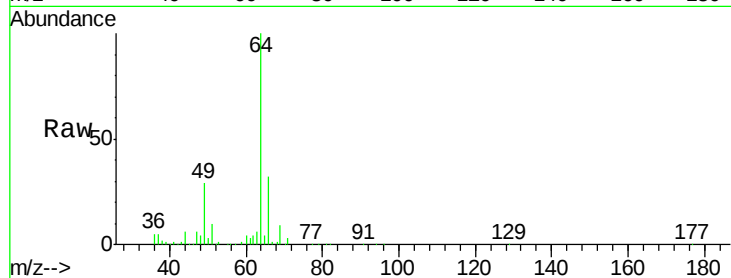
VSTD02503

Tgt Ion: 64 Resp: 99511

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 21.905 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017728.D

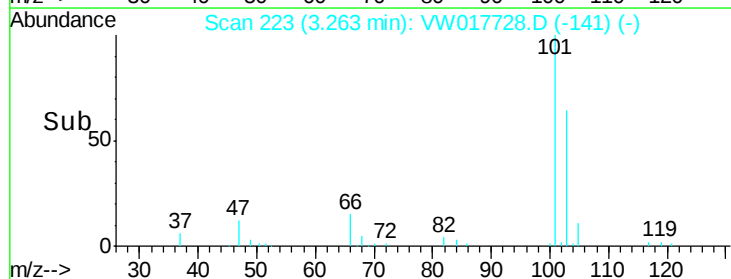
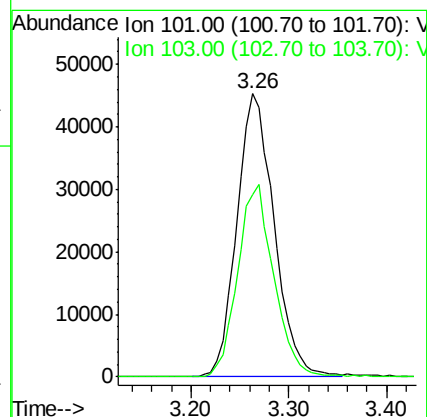
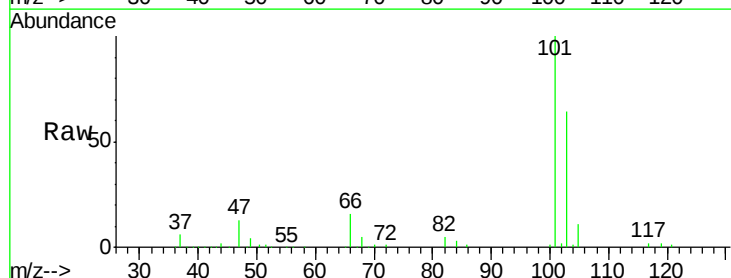
Acq: 24 Dec 2020 10:51

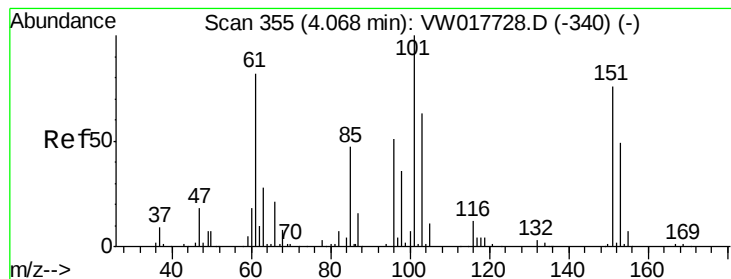
Tgt Ion: 101 Resp: 119745

Ion Ratio Lower Upper

101 100

103 65.7 46.0 85.4





#11

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

Concen: 24.659 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

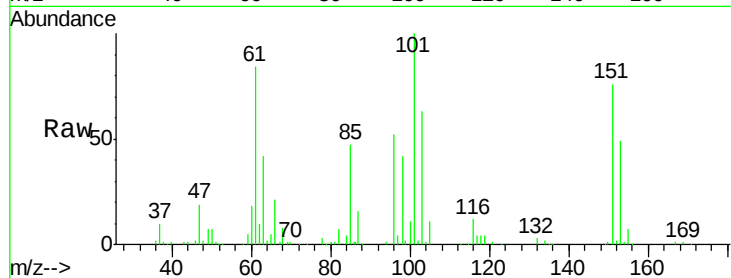
Tgt Ion: 101 Resp: 125809

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

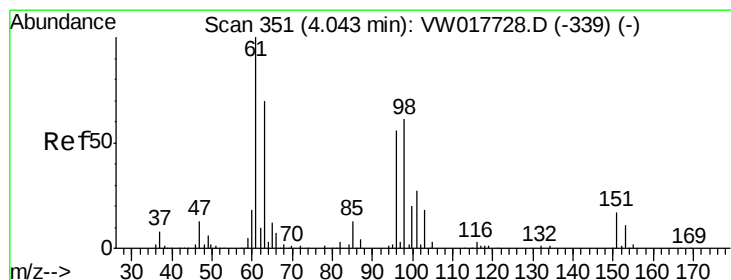
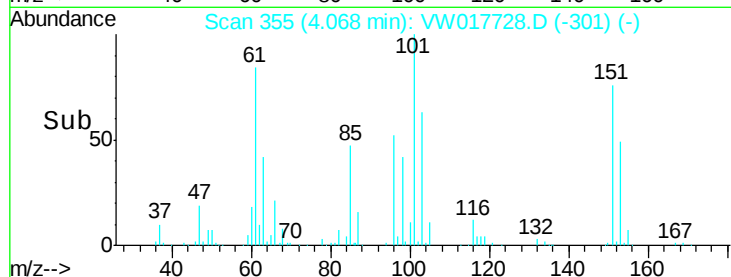
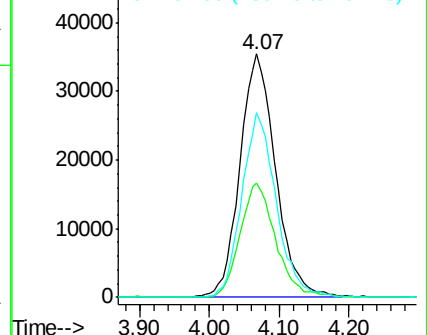
151 72.1 57.7 86.5



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: 24.766 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

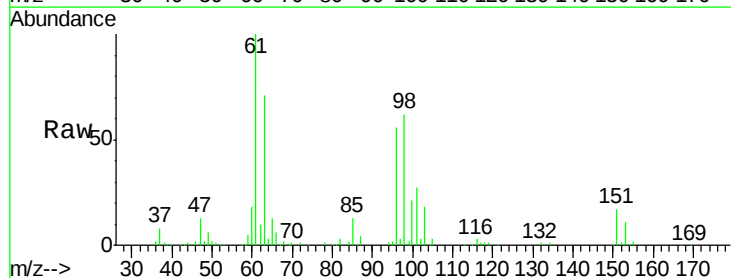
Tgt Ion: 96 Resp: 122493

Ion Ratio Lower Upper

96 100

61 180.1 126.1 234.1

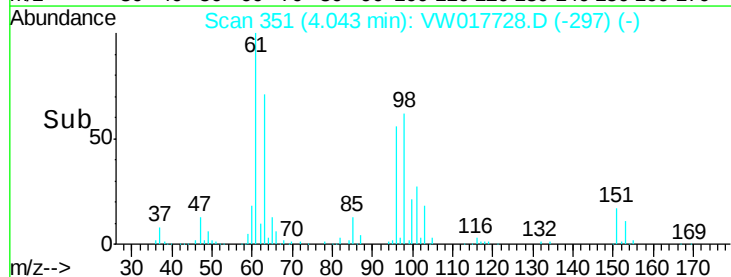
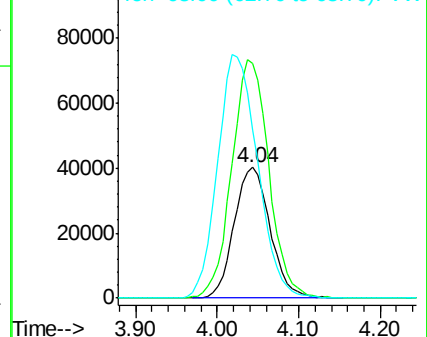
63 128.6 90.0 167.2

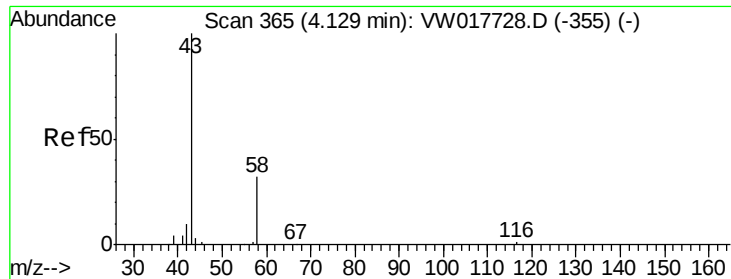


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.903 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampled :

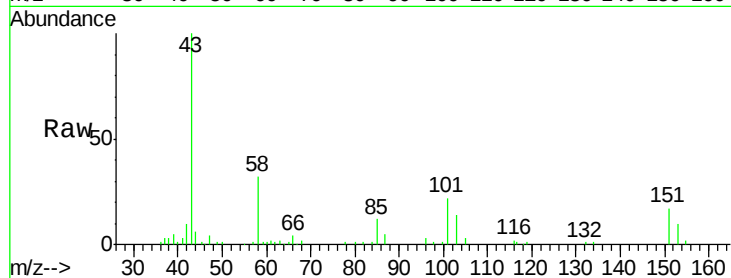
VSTD02503

Tgt Ion: 43 Resp: 40762

Ion Ratio Lower Upper

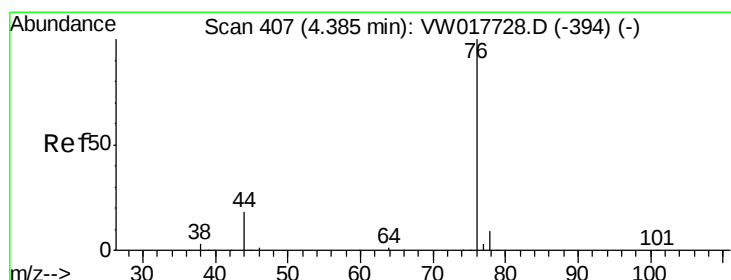
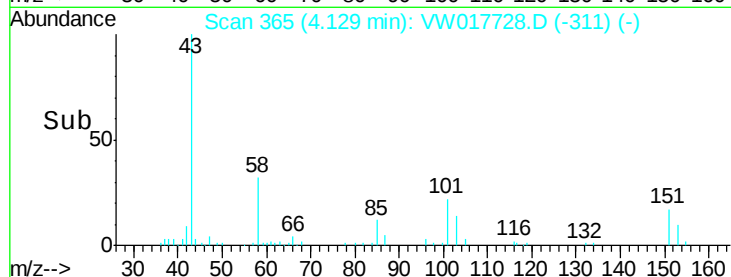
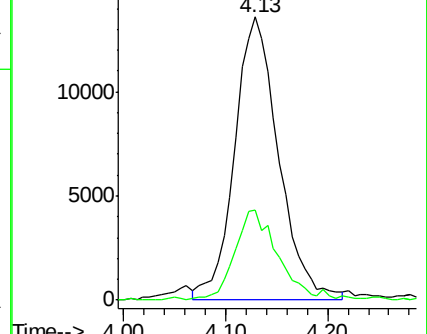
43 100

58 30.4 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.334 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017728.D

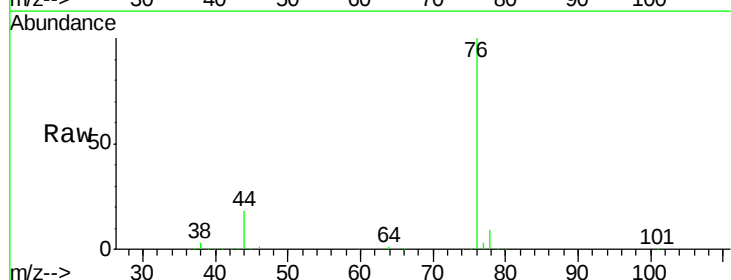
Acq: 24 Dec 2020 10:51

Tgt Ion: 76 Resp: 374155

Ion Ratio Lower Upper

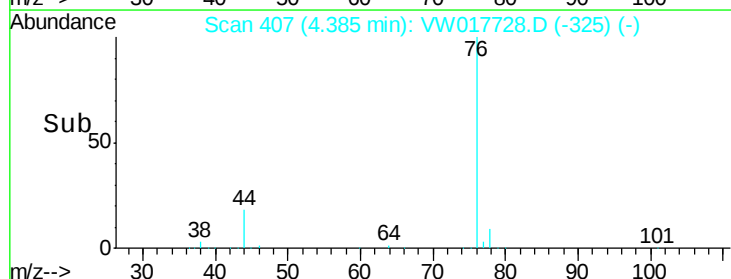
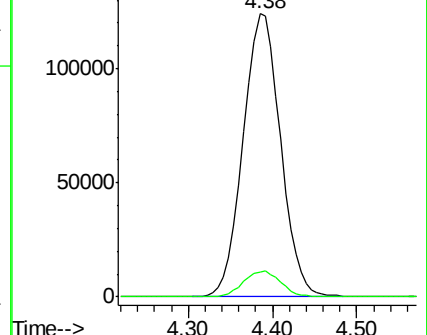
76 100

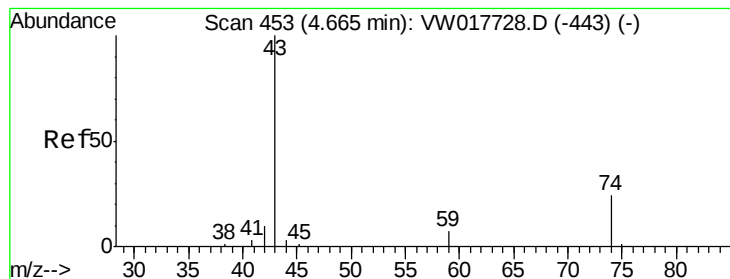
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 22.749 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

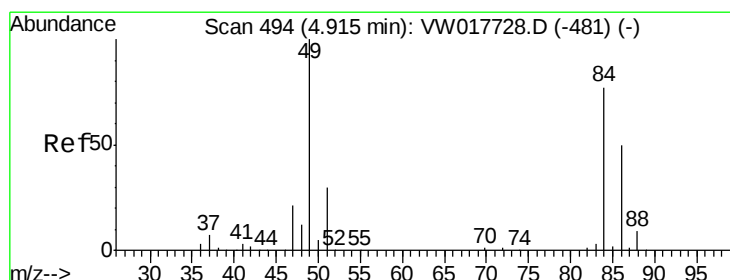
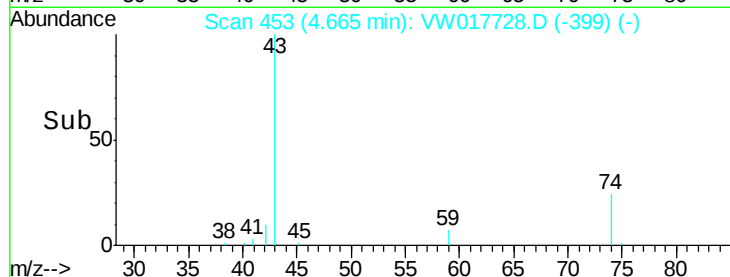
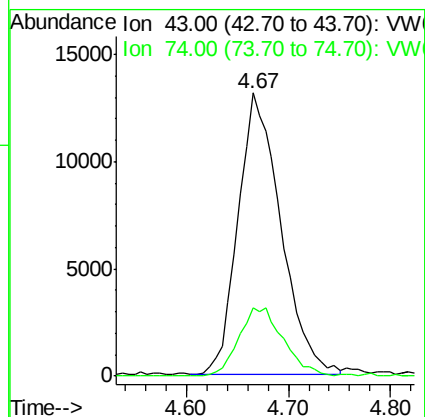
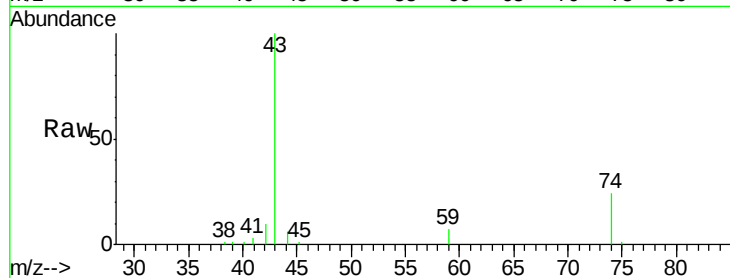
VSTD02503

Tgt Ion: 43 Resp: 38318

Ion Ratio Lower Upper

43 100

74 25.3 20.2 30.4



#16

Methylene chloride

Concen: 20.854 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

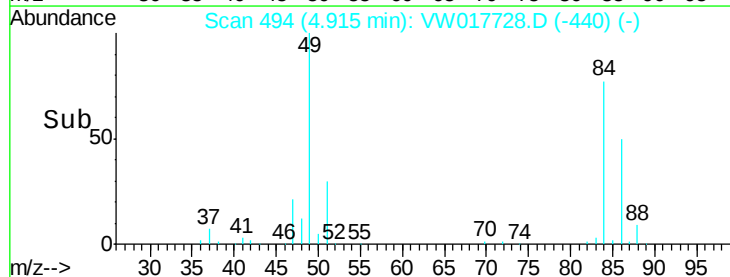
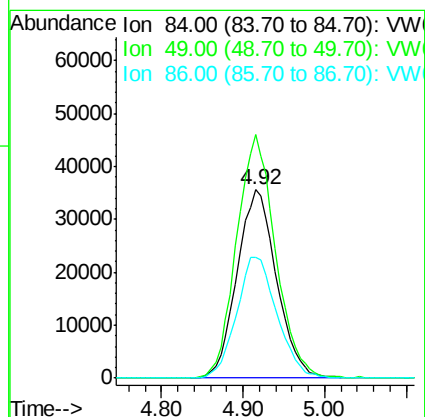
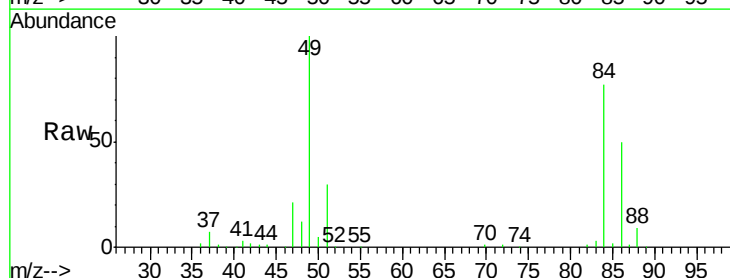
Tgt Ion: 84 Resp: 119684

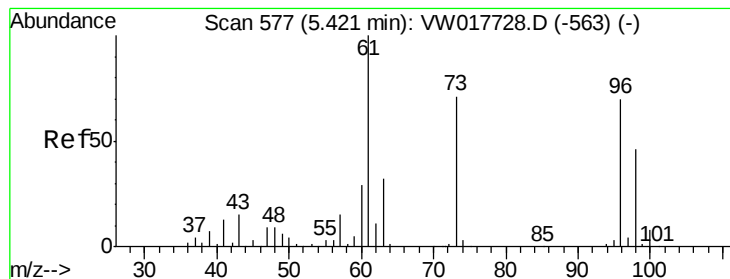
Ion Ratio Lower Upper

84 100

49 129.3 90.5 168.1

86 64.0 44.8 83.2





#17

Methyl tert-butyl Ether

Concen: 24.220 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

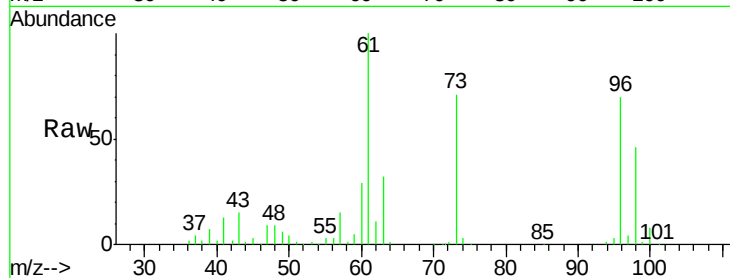
Tgt Ion: 73 Resp: 151819

Ion Ratio Lower Upper

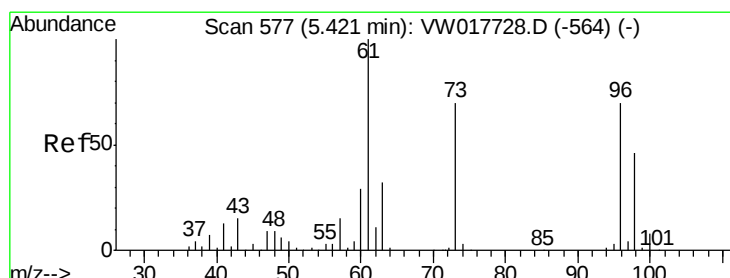
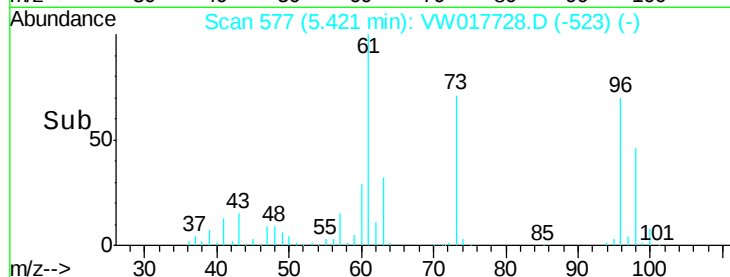
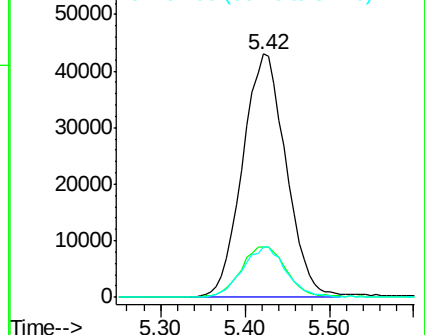
73 100

43 21.4 17.1 25.7

57 20.8 16.6 25.0



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



#18

trans-1,2-Dichloroethene

Concen: 24.637 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

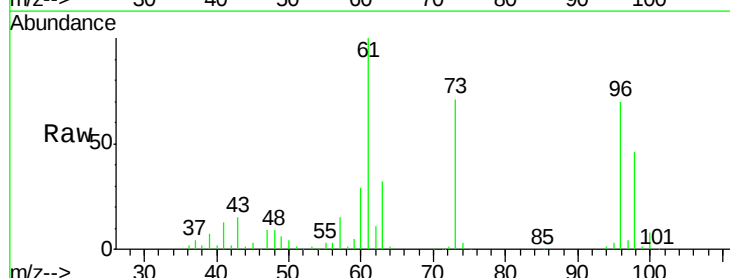
Tgt Ion: 96 Resp: 131437

Ion Ratio Lower Upper

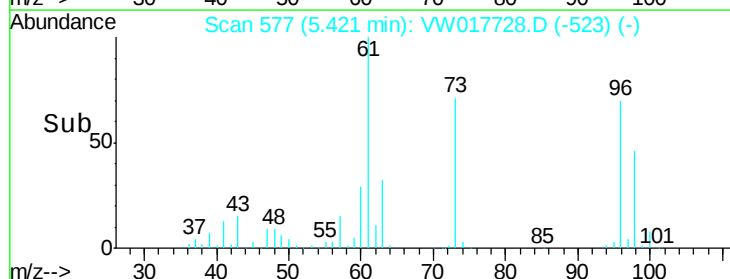
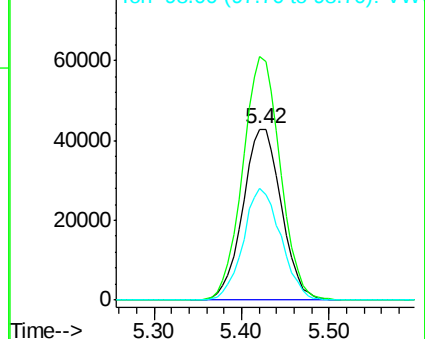
96 100

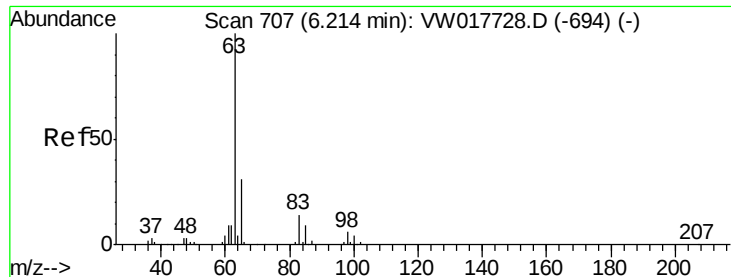
61 142.2 99.5 184.9

98 65.5 45.8 85.2



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

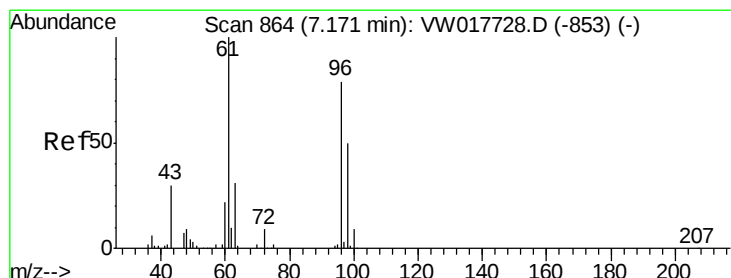
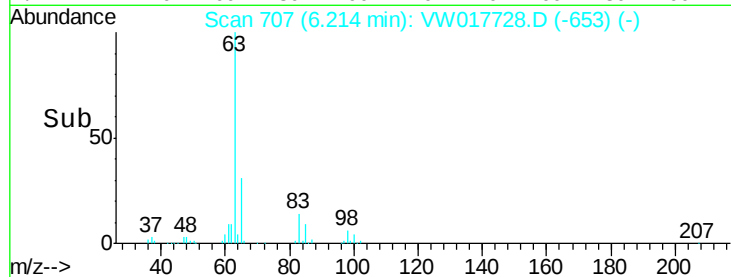
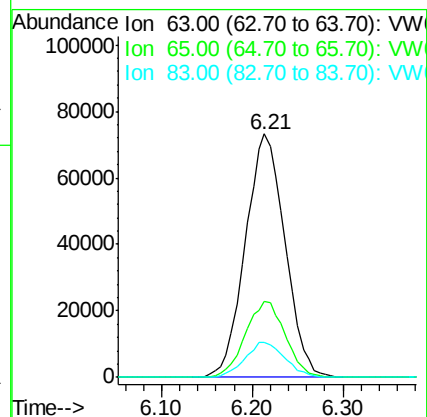
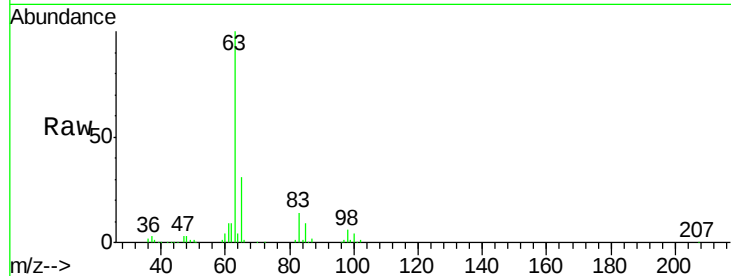




#19
 1,1-Dichloroethane
 Concen: 24.272 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

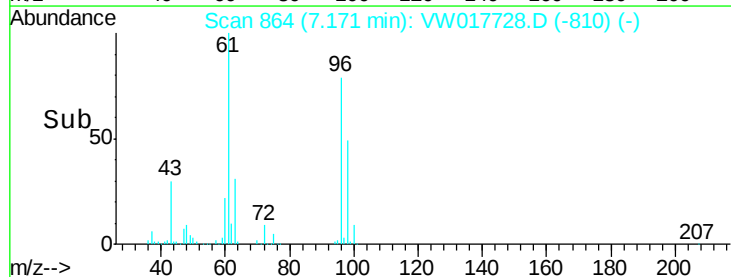
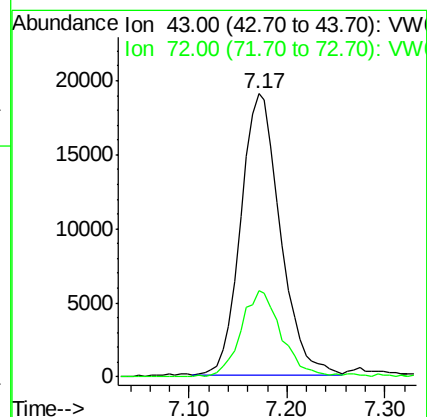
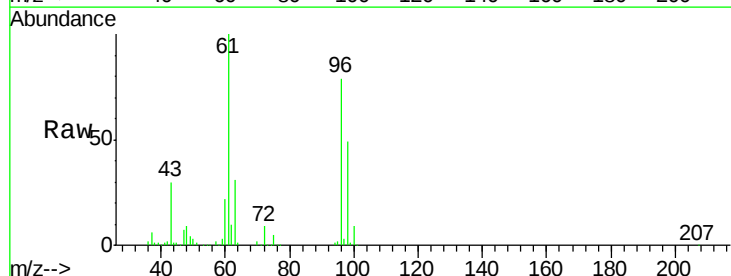
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

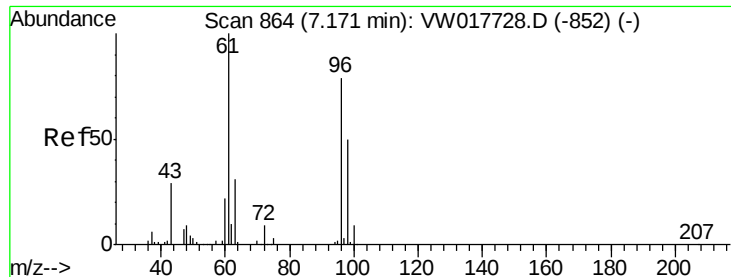
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.9	40.7
83	14.3	10.0	18.6



#21
 2-Butanone
 Concen: 45.698 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.8	15.4	46.2



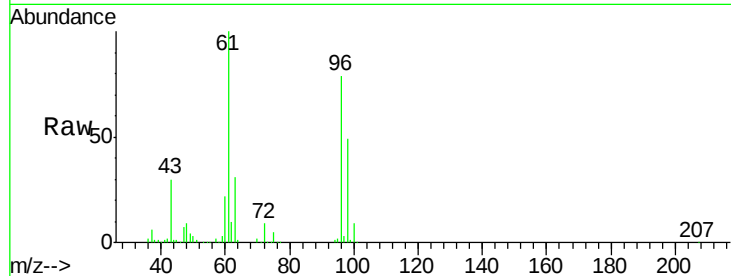


#22

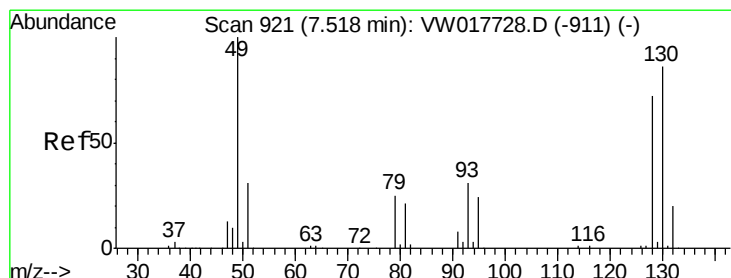
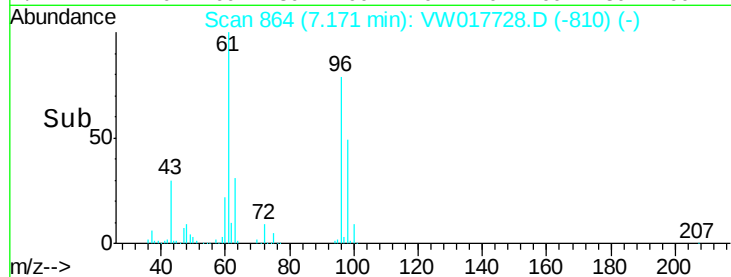
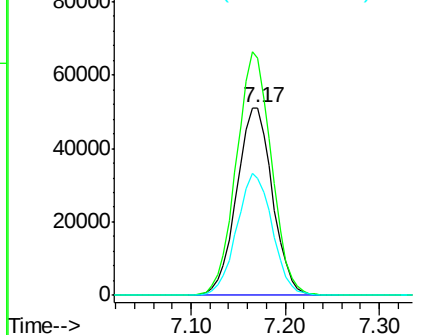
cis-1,2-Dichloroethene
 Concen: 24.314 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion: 96 Resp: 136305
 Ion Ratio Lower Upper
 96 100
 61 126.0 88.2 163.8
 98 62.4 43.7 81.1



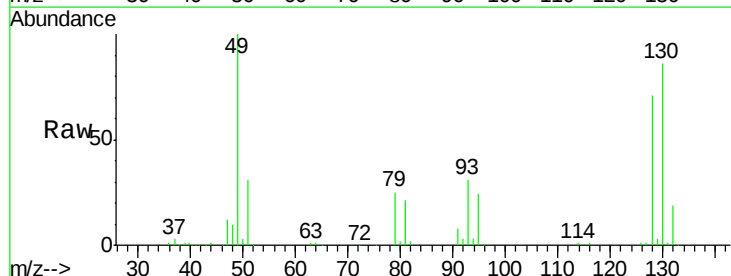
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



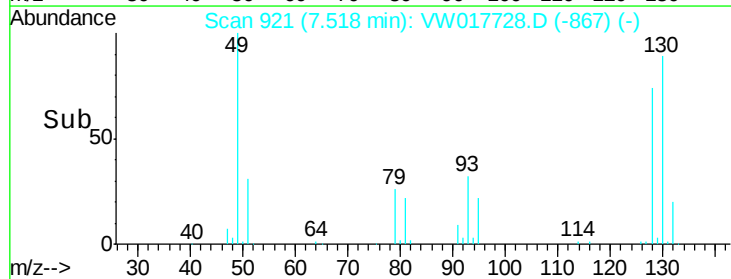
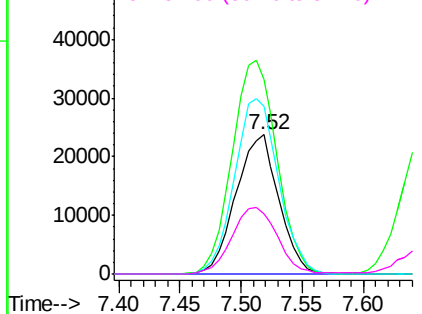
#23

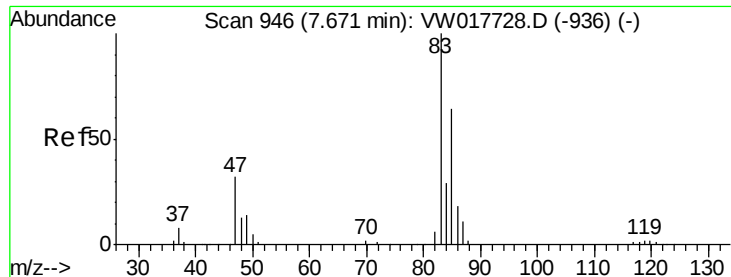
Bromochloromethane
 Concen: 24.361 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Tgt Ion: 128 Resp: 57852
 Ion Ratio Lower Upper
 128 100
 49 140.4 98.3 182.5
 130 120.5 84.4 156.7
 51 43.7 35.0 52.4



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

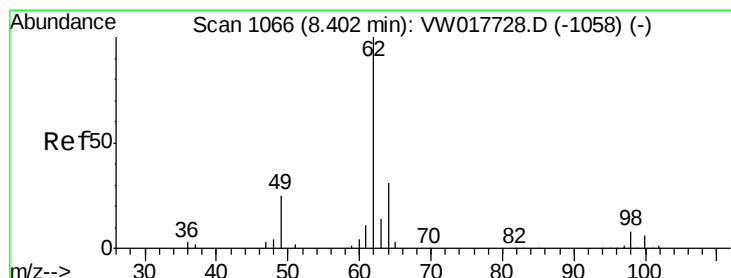
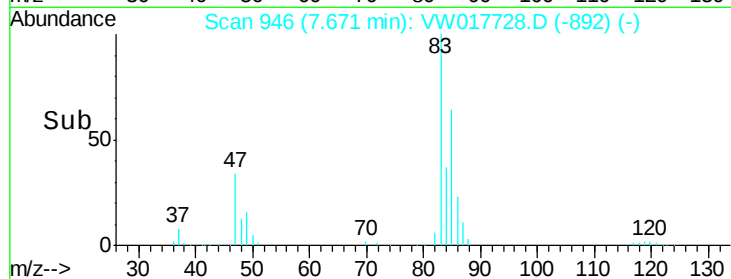
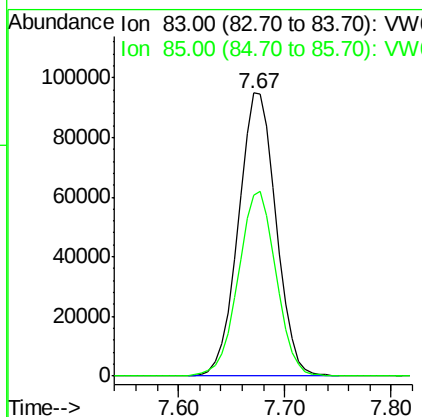
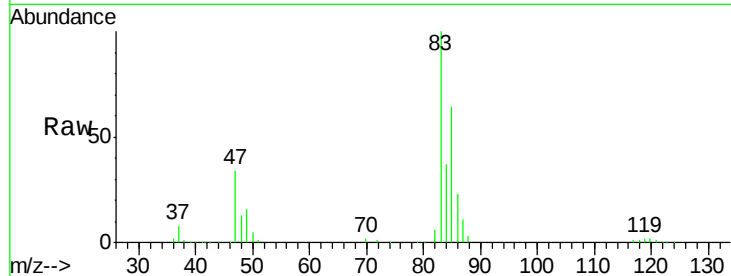




#25
Chloroform
Concen: 24.611 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

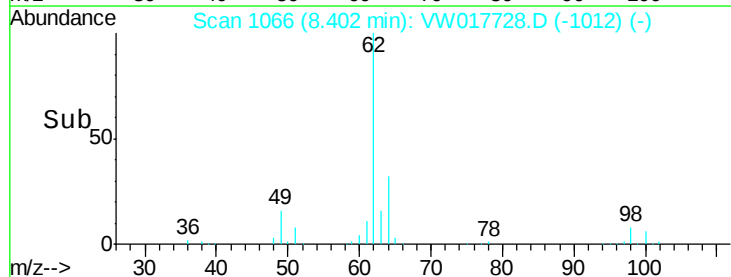
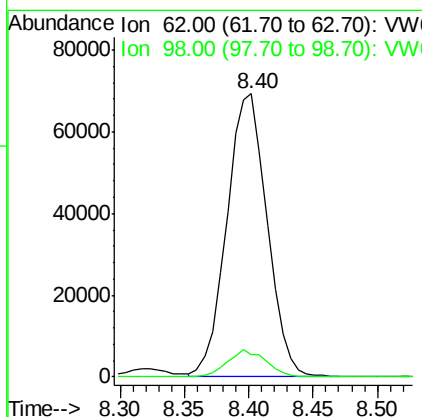
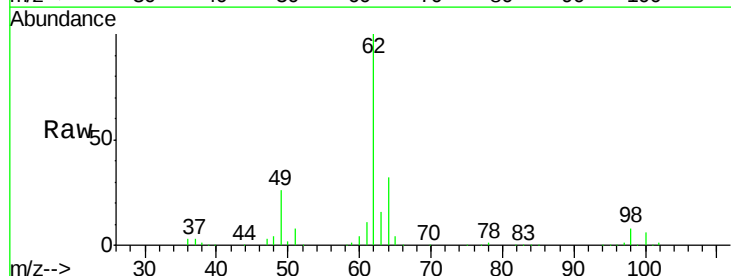
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

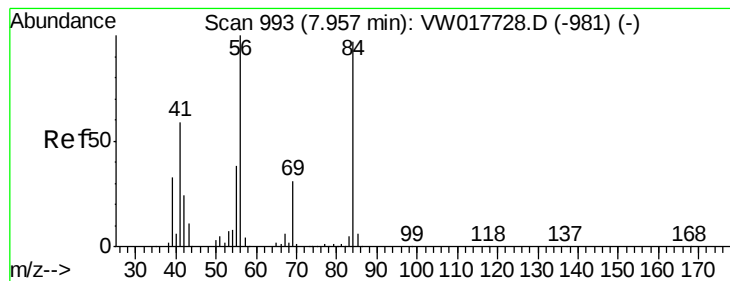
Tgt Ion: 83 Resp: 236033
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.264 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

Tgt Ion: 62 Resp: 150526
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#30

Cyclohexane

Concen: 25.171 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

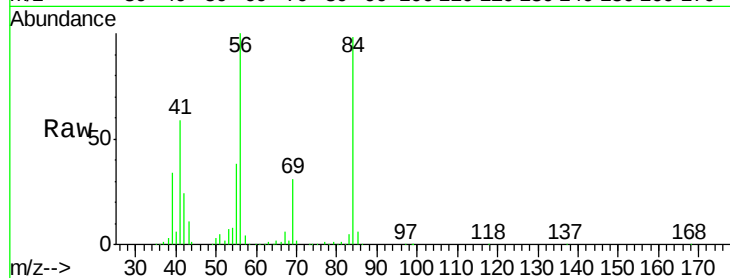
Tgt Ion: 56 Resp: 212426

Ion Ratio Lower Upper

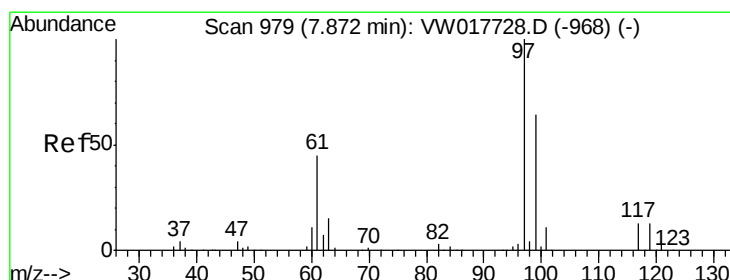
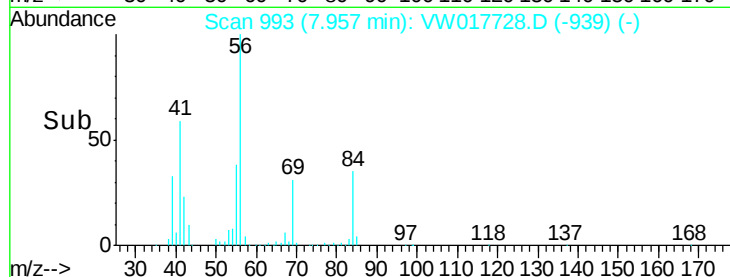
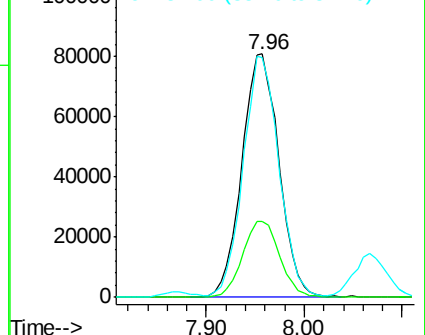
56 100

69 31.2 25.0 37.4

84 95.8 76.6 115.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.308 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

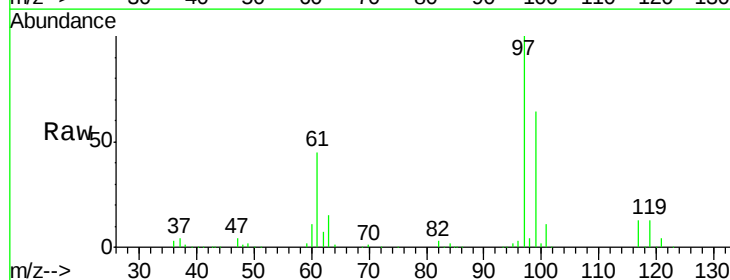
Tgt Ion: 97 Resp: 206407

Ion Ratio Lower Upper

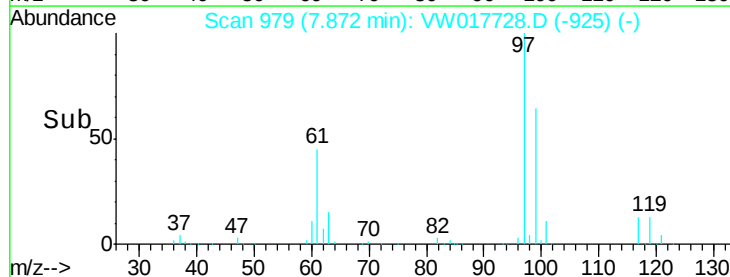
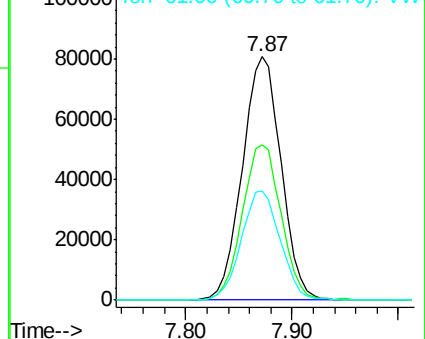
97 100

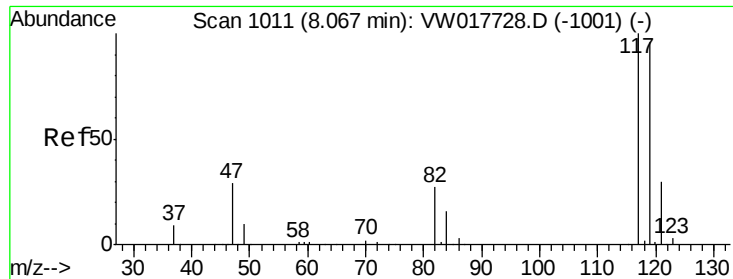
99 63.9 51.1 76.7

61 44.8 35.8 53.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.469 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

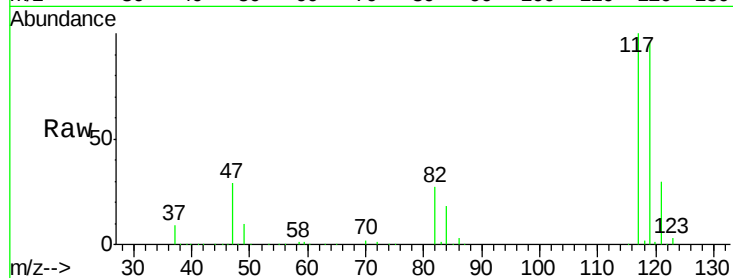
VSTD02503

Tgt Ion:117 Resp: 195976

Ion Ratio Lower Upper

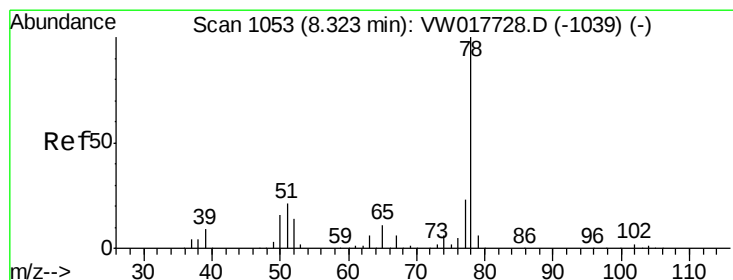
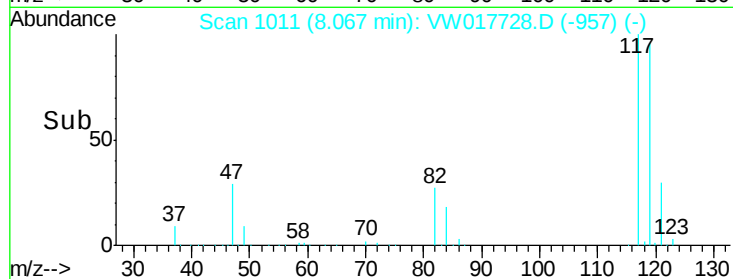
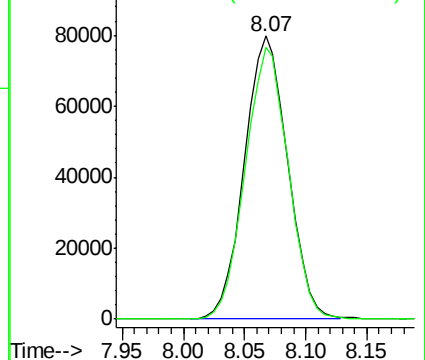
117 100

119 95.6 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.729 ug/L

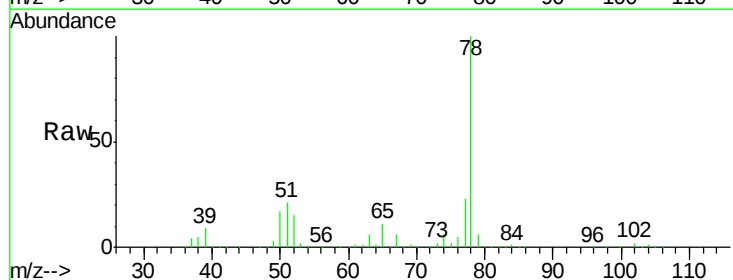
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

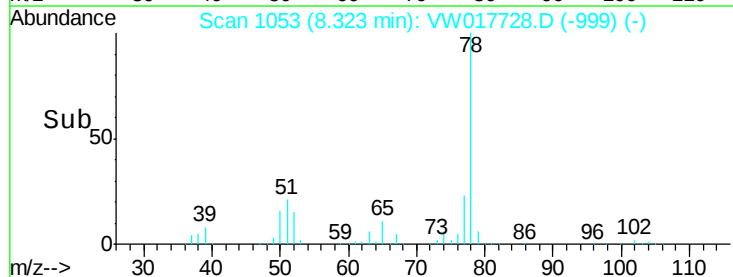
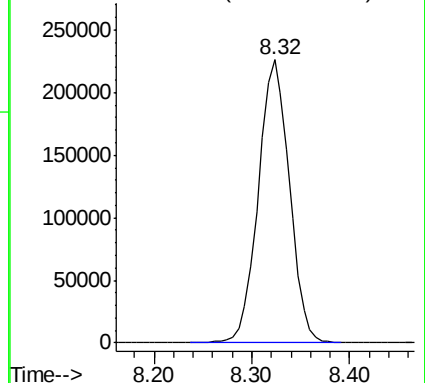
Lab File: VW017728.D

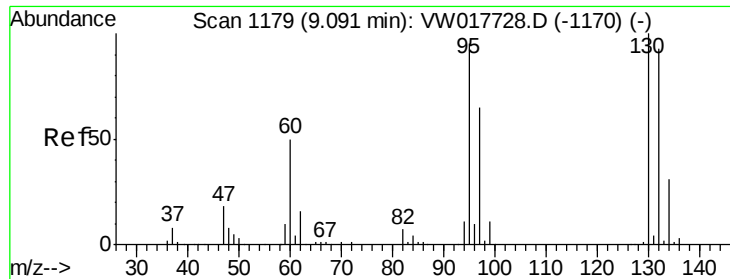
Acq: 24 Dec 2020 10:51

Tgt Ion: 78 Resp: 501327



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.742 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampled :

VSTD02503

Tgt Ion: 95 Resp: 138835

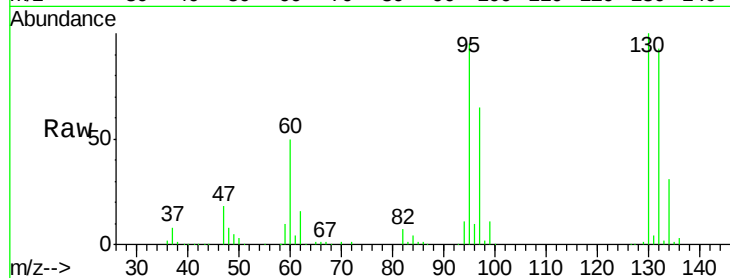
Ion Ratio Lower Upper

95 100

97 66.9 46.8 87.0

132 97.6 68.3 126.9

130 102.6 71.8 133.4

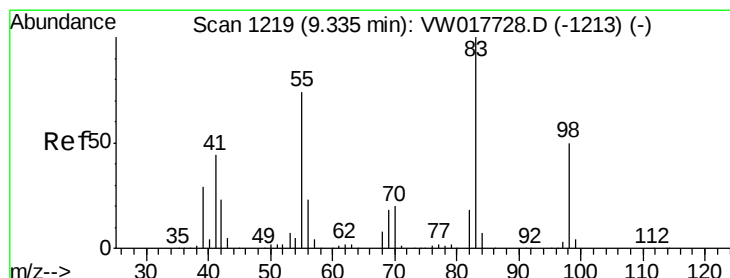
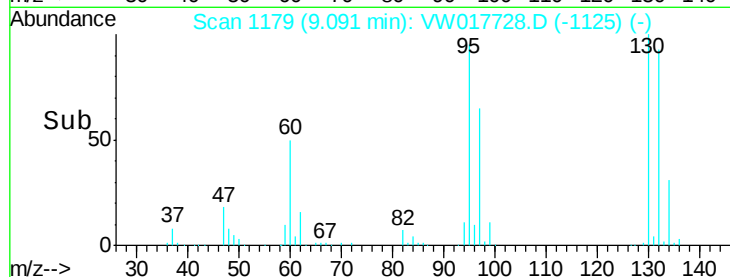
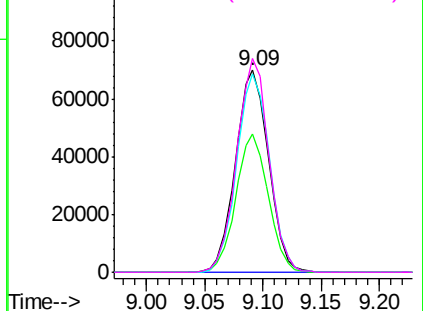


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.366 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

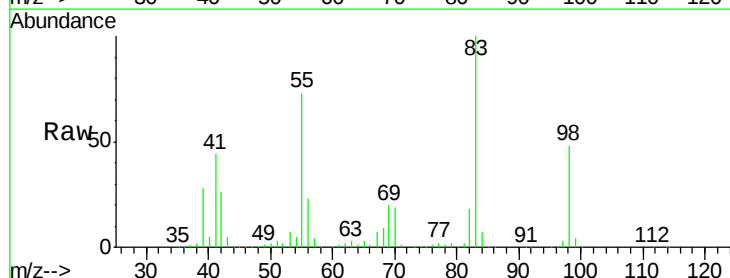
Tgt Ion: 83 Resp: 248826

Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

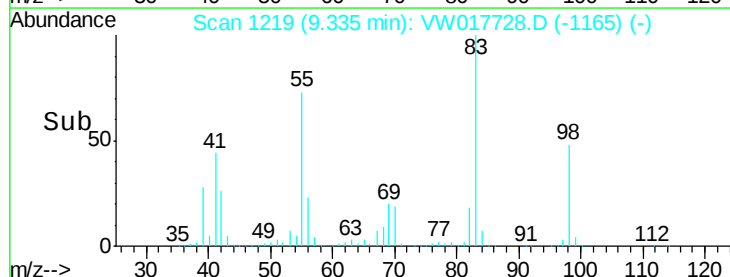
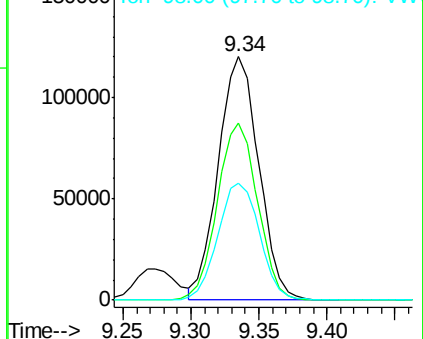
98 49.6 39.7 59.5

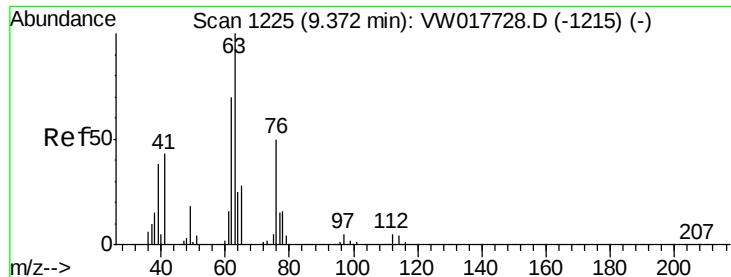


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

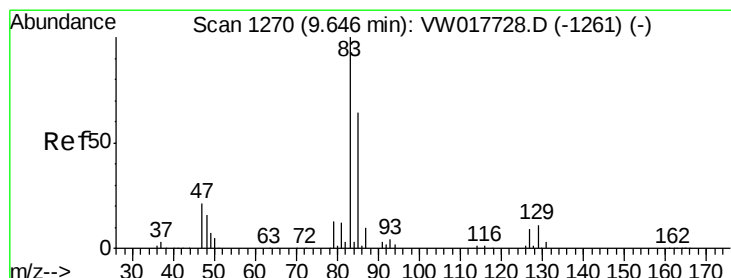
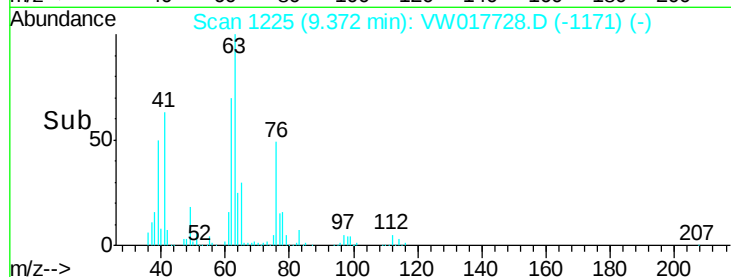
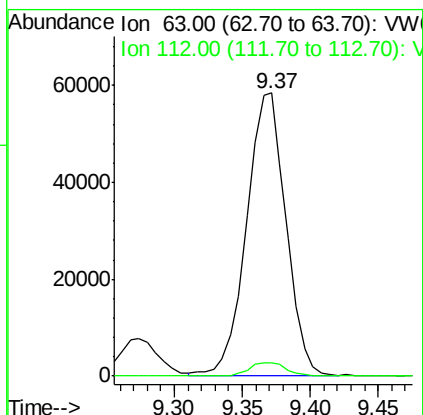
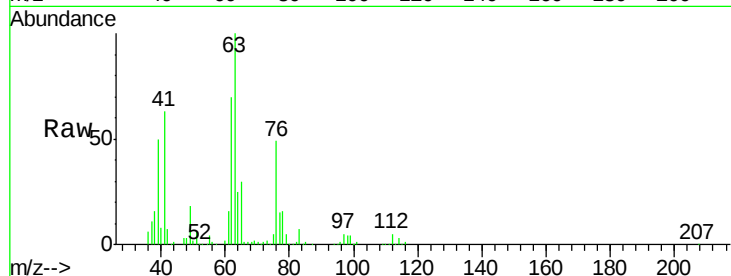




#40
 1,2-Dichloropropane
 Concen: 24.850 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

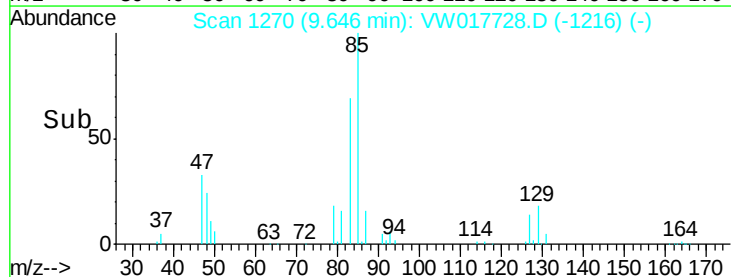
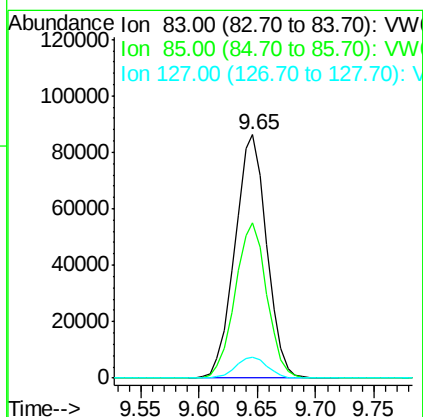
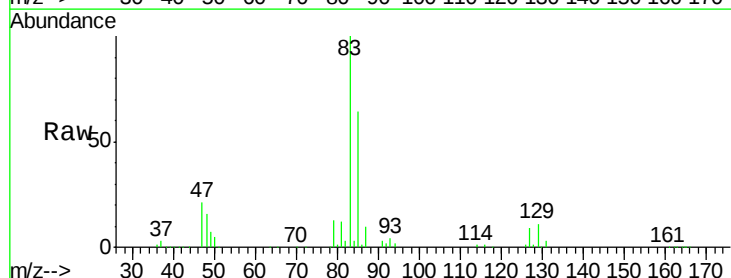
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

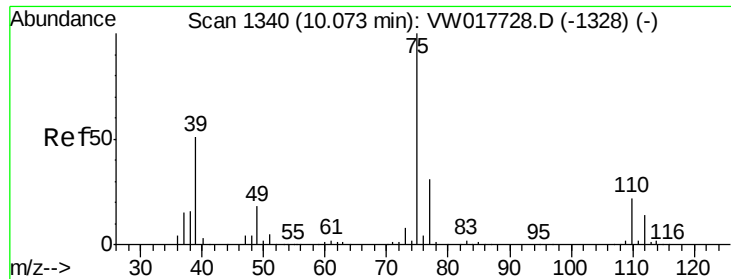
Tgt Ion: 63 Resp: 118924
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.062 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Tgt Ion: 83 Resp: 164182
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 8.6 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 25.460 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

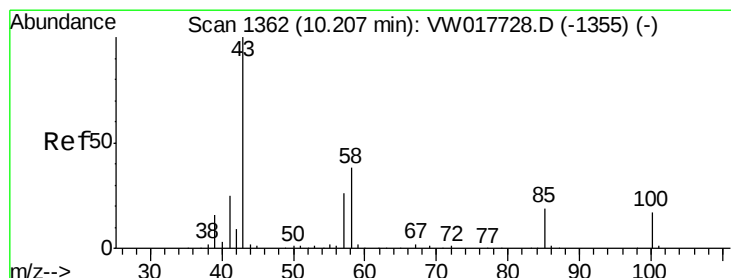
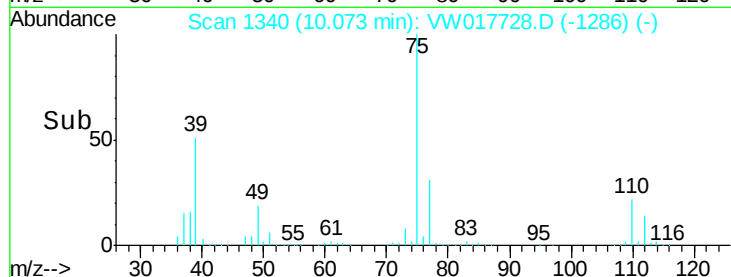
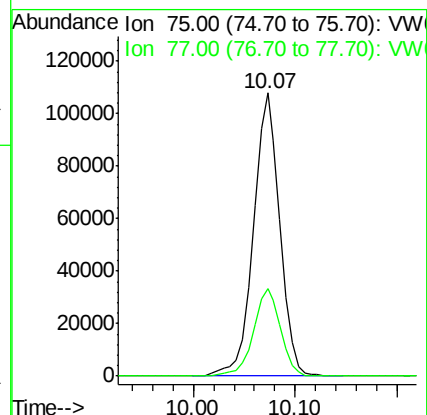
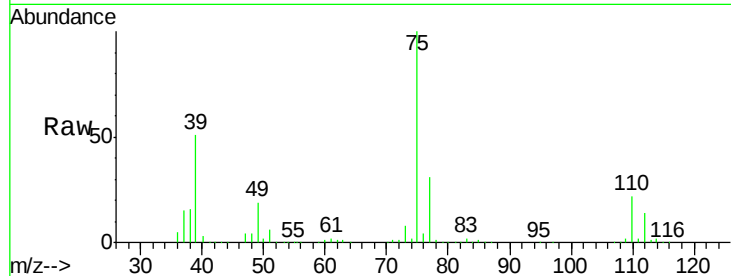
VSTD02503

Tgt Ion: 75 Resp: 194442

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 48.746 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

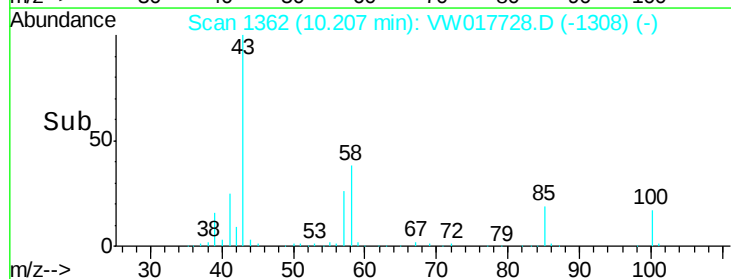
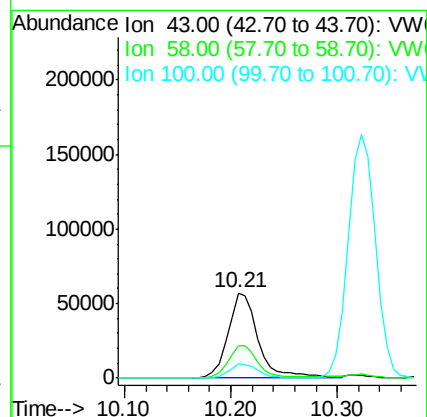
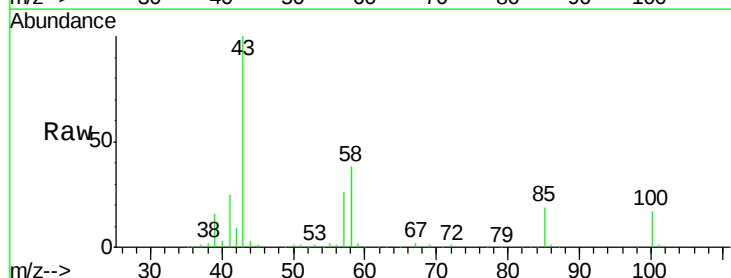
Tgt Ion: 43 Resp: 113339

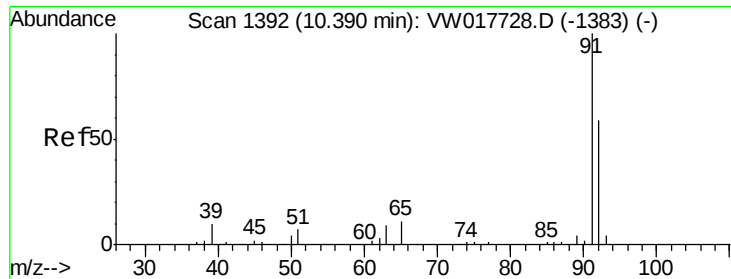
Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4

100 16.9 13.5 20.3





#44

Toluene

Concen: 24.782 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

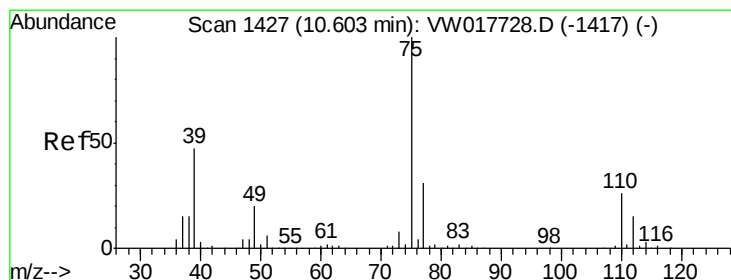
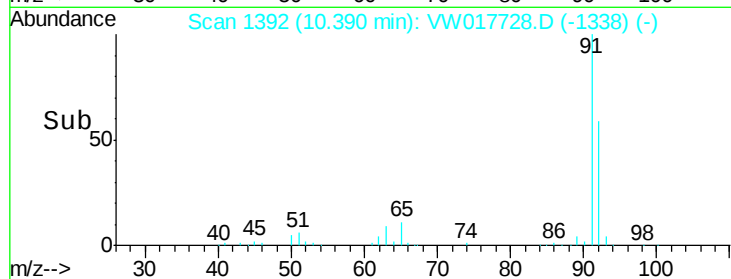
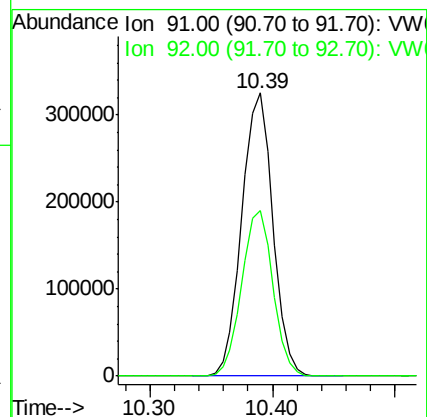
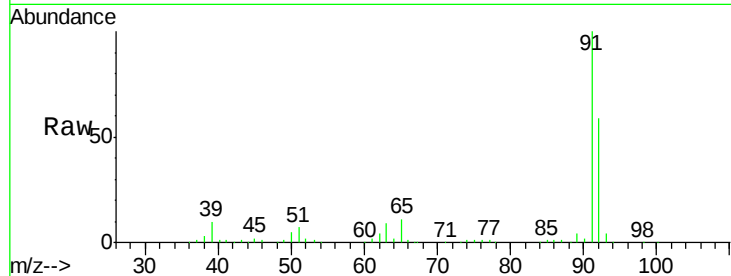
VSTD02503

Tgt Ion: 91 Resp: 572883

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 25.486 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017728.D

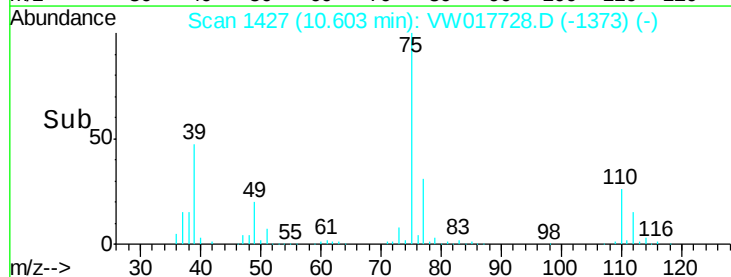
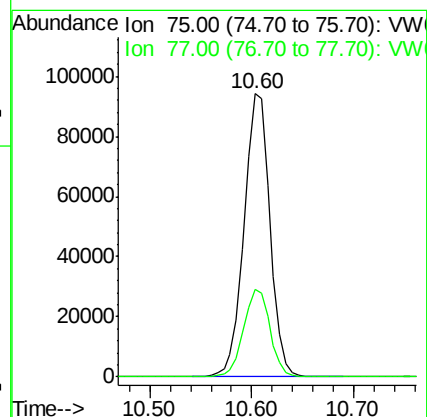
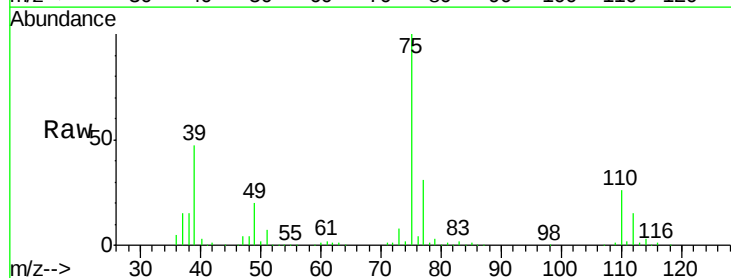
Acq: 24 Dec 2020 10:51

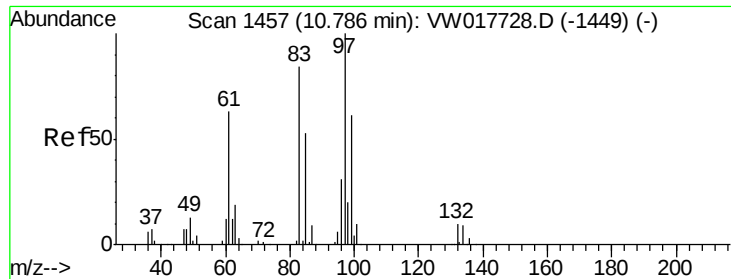
Tgt Ion: 75 Resp: 165740

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 24.380 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 97 Resp: 86725

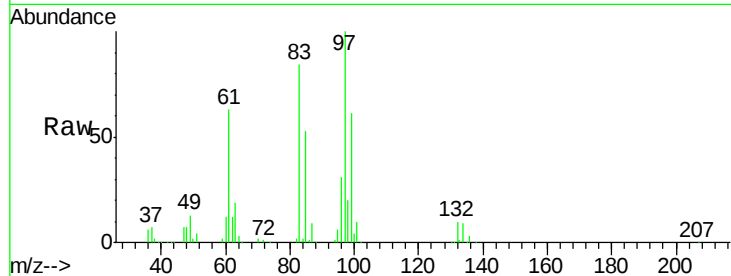
Ion Ratio Lower Upper

97 100

83 84.2 58.9 109.5

85 53.0 37.1 68.9

99 61.0 42.7 79.3



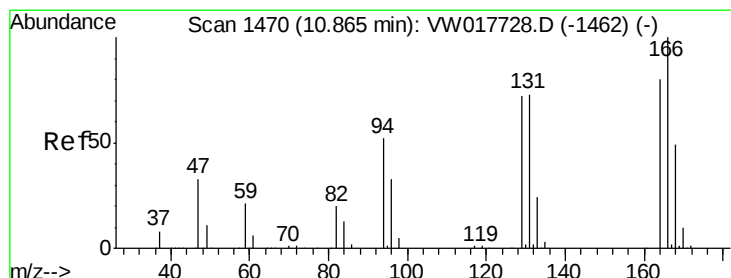
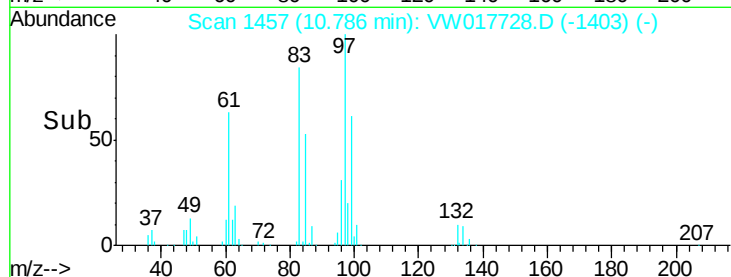
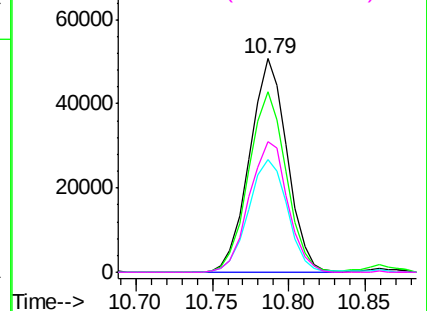
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.817 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Tgt Ion: 164 Resp: 108875

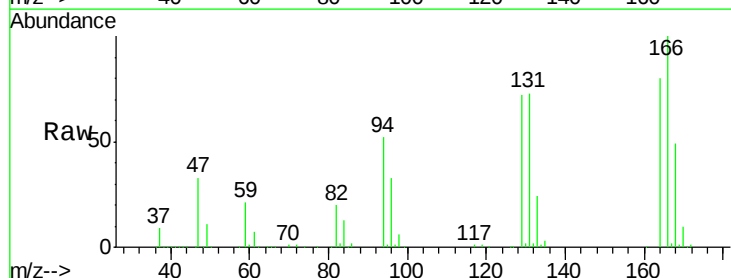
Ion Ratio Lower Upper

164 100

129 89.9 62.9 116.9

131 91.2 63.8 118.6

166 124.8 87.4 162.2



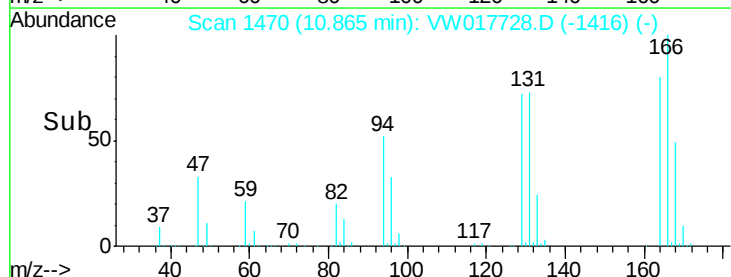
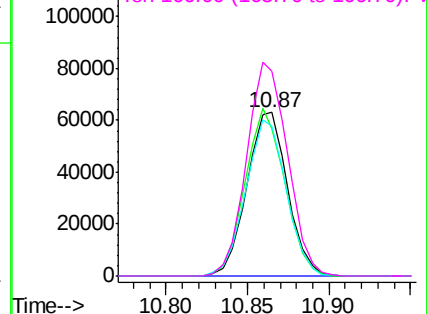
Abundance

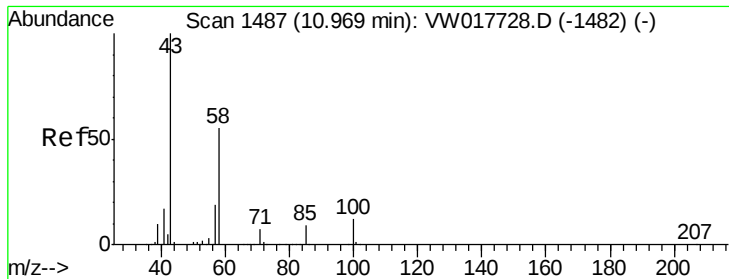
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

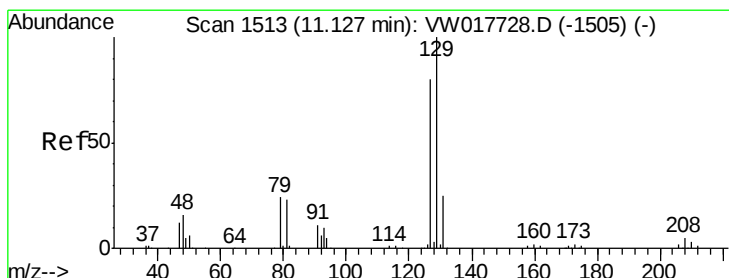
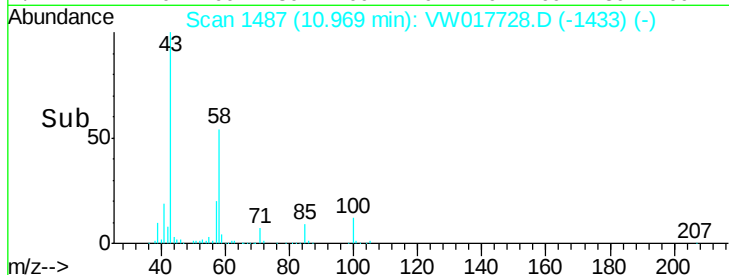
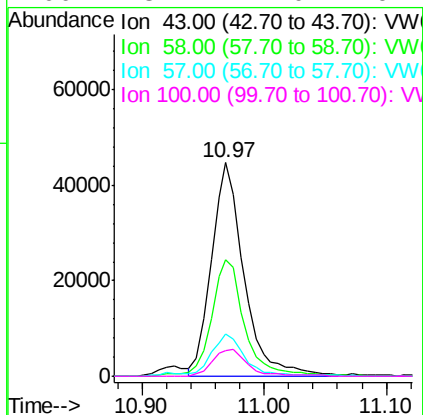
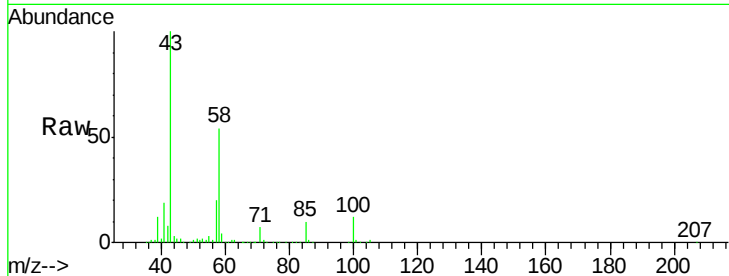




#49
2-Hexanone
Concen: 50.269 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

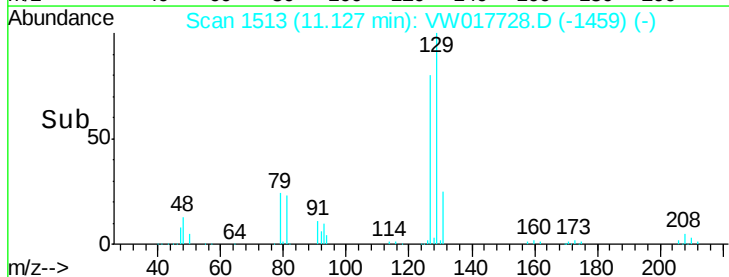
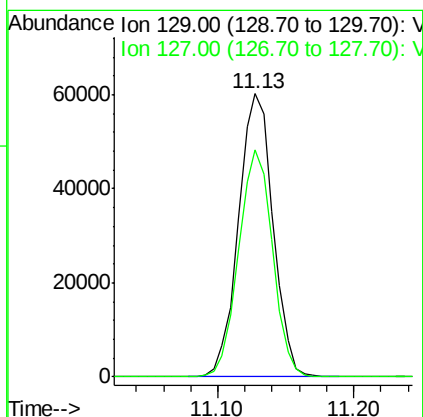
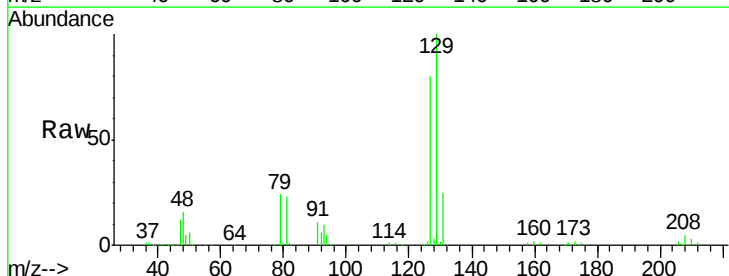
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

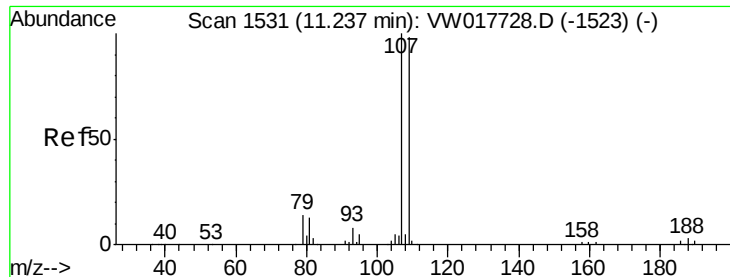
Tgt Ion: 43 Resp: 82925
Ion Ratio Lower Upper
43 100
58 55.3 44.2 66.4
57 20.1 16.1 24.1
100 13.7 11.0 16.4



#50
Dibromochloromethane
Concen: 25.282 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

Tgt Ion: 129 Resp: 106771
Ion Ratio Lower Upper
129 100
127 80.2 56.1 104.3

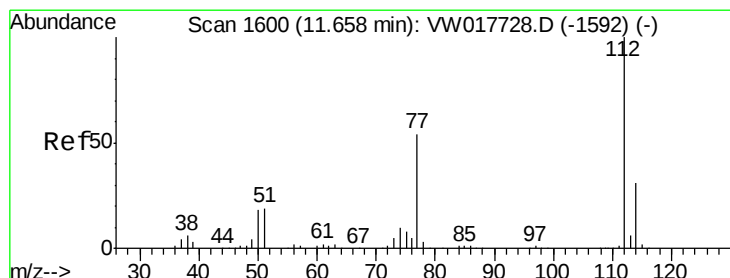
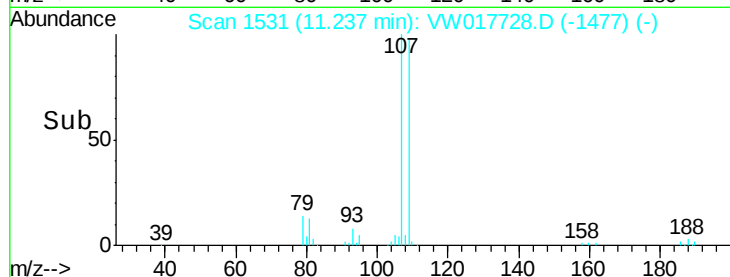
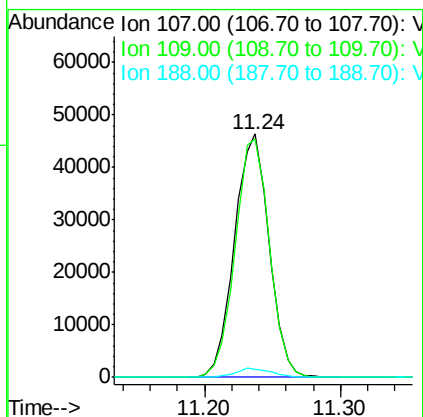
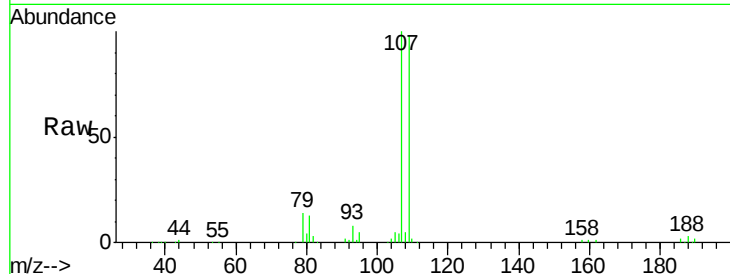




#51
1,2-Dibromoethane
Concen: 24.422 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

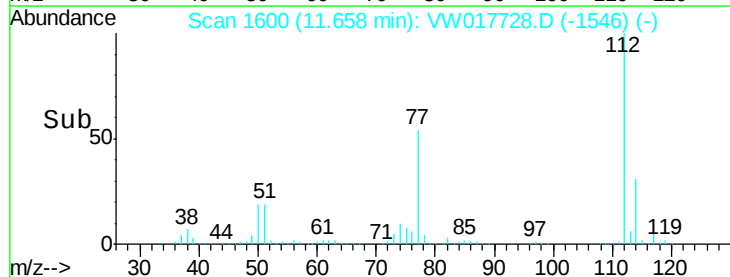
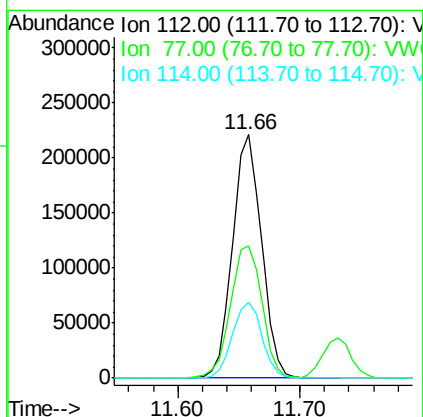
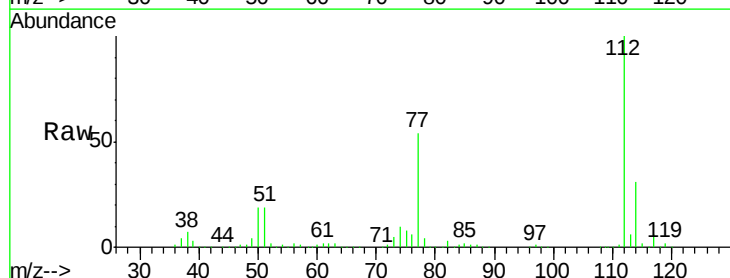
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

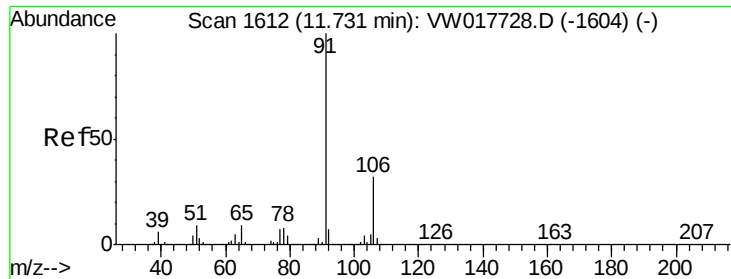
Tgt Ion:107 Resp: 82248
Ion Ratio Lower Upper
107 100
109 97.8 68.5 127.1
188 3.4 2.7 4.1



#52
Chlorobenzene
Concen: 25.102 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

Tgt Ion:112 Resp: 362241
Ion Ratio Lower Upper
112 100
77 54.3 43.4 65.2
114 30.9 21.6 40.2

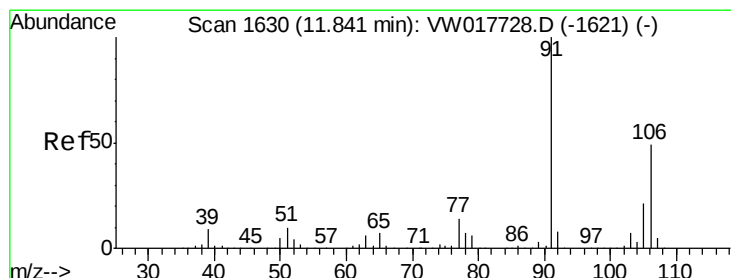
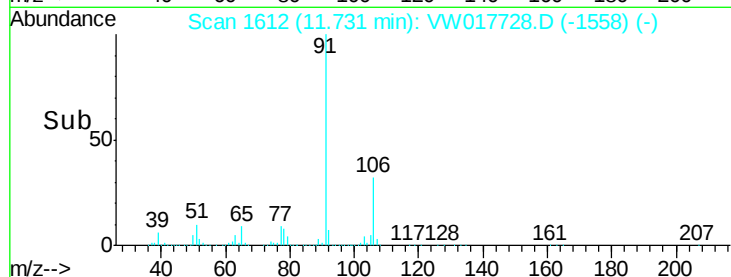
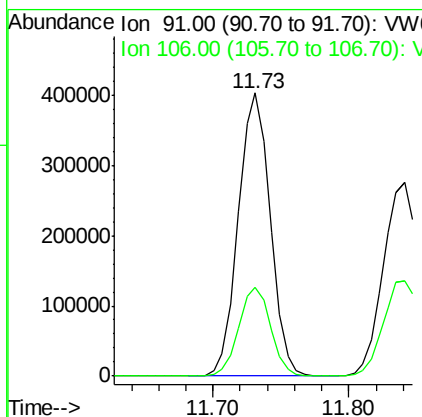
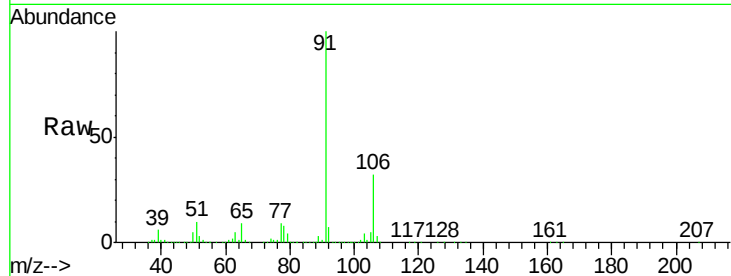




#53
Ethylbenzene
Concen: 25.206 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

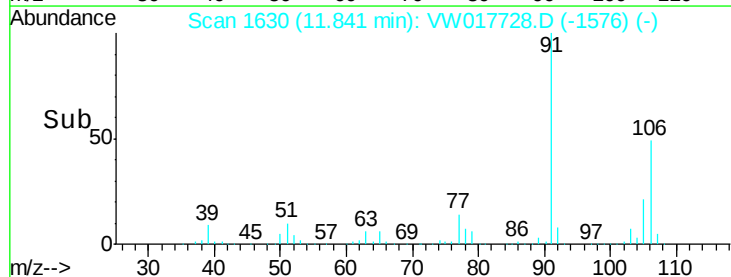
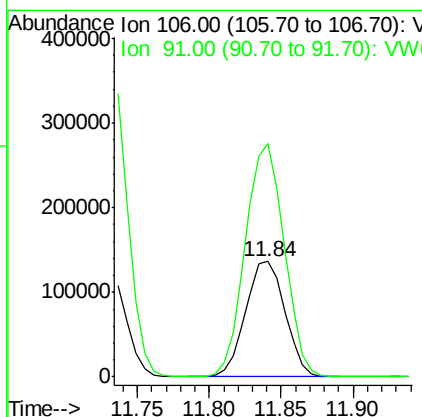
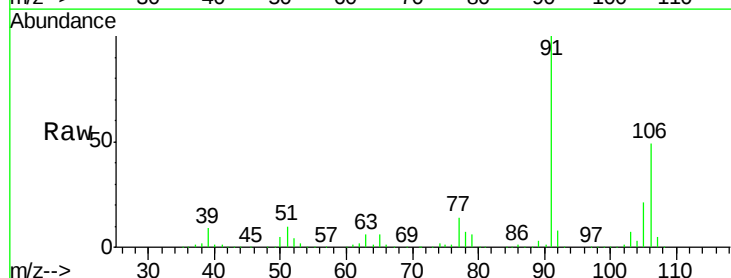
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

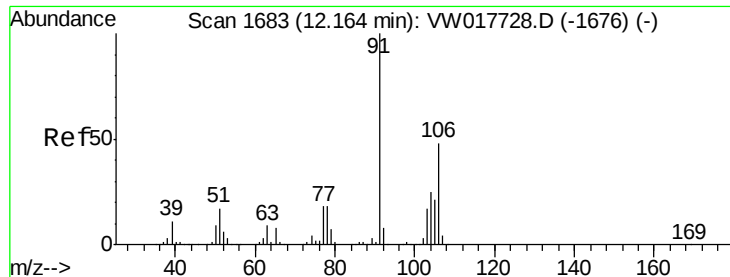
Tgt Ion: 91 Resp: 661135
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#54
m,p-Xylene
Concen: 25.288 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

Tgt Ion: 106 Resp: 259460
Ion Ratio Lower Upper
106 100
91 202.3 141.6 263.0

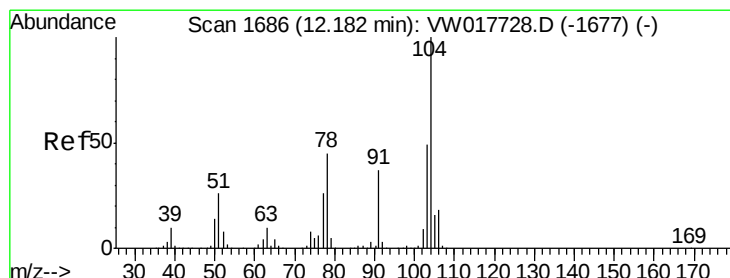
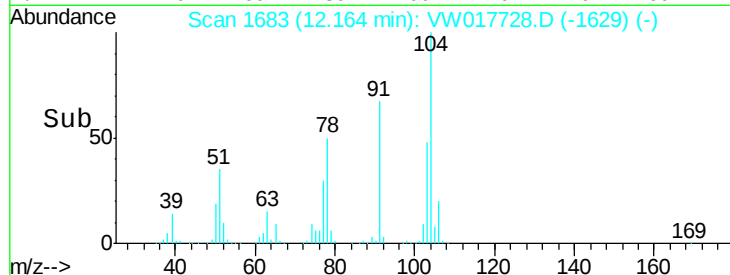
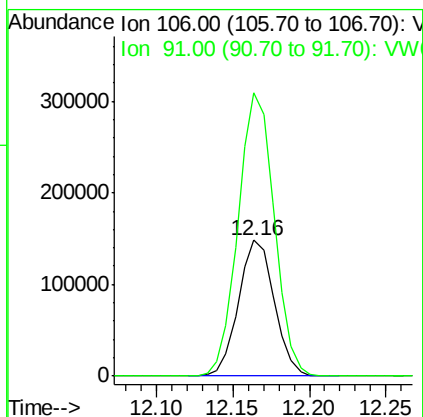
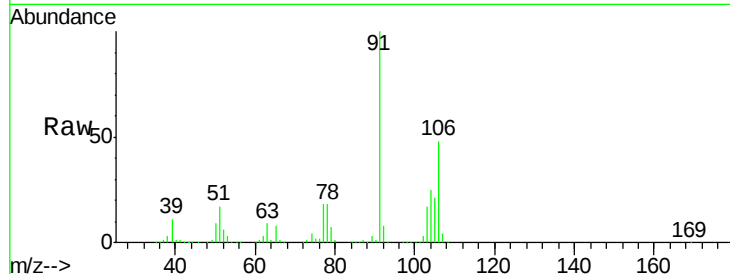




#55
o-xylene
Concen: 24.966 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

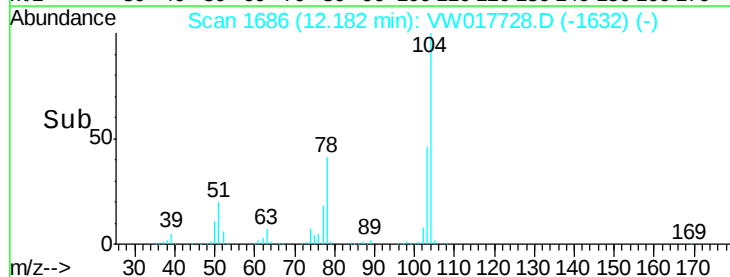
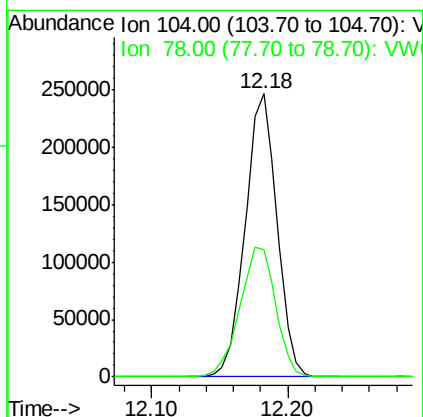
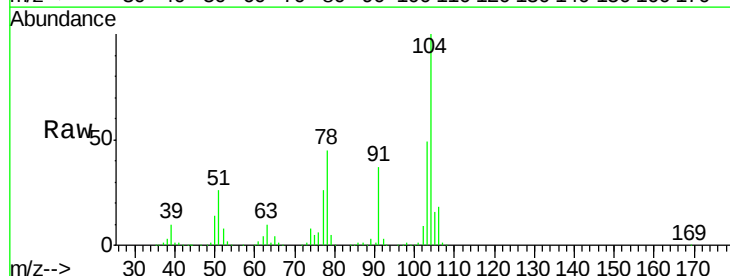
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

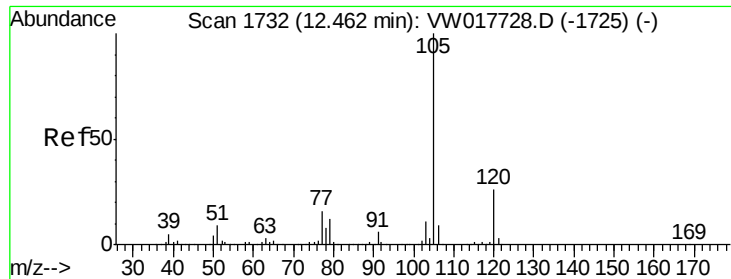
Tgt Ion:106 Resp: 240903
Ion Ratio Lower Upper
106 100
91 208.2 145.7 270.7



#56
Styrene
Concen: 25.115 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017728.D
Acq: 24 Dec 2020 10:51

Tgt Ion:104 Resp: 403109
Ion Ratio Lower Upper
104 100
78 45.2 31.6 58.8





#57

Isopropylbenzene

Concen: 25.237 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampled :

VSTD02503

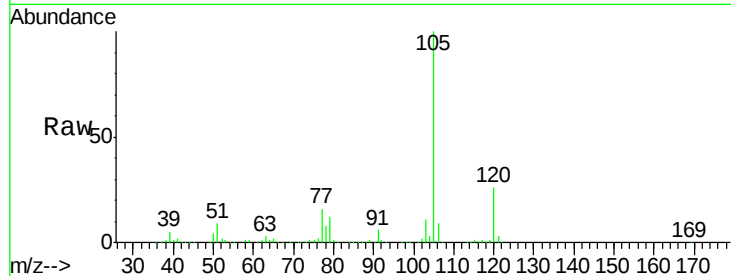
Tgt Ion: 105 Resp: 674202

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

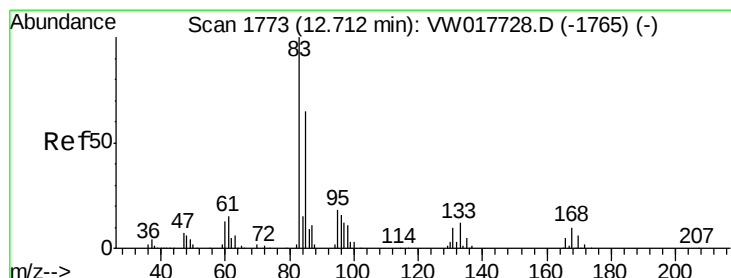
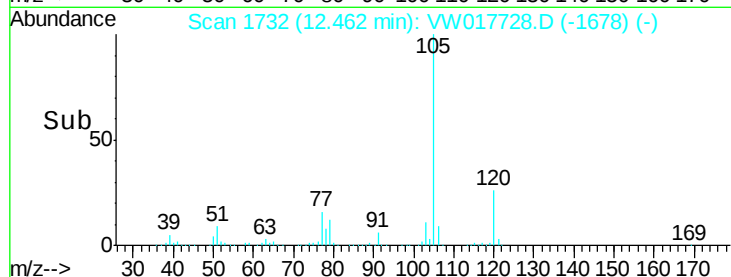
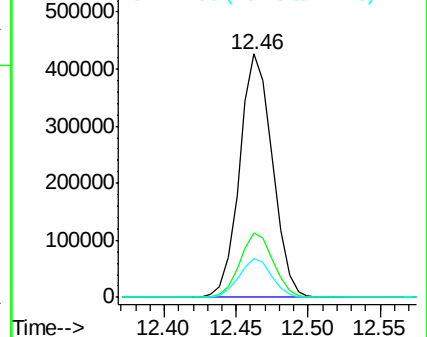
77 15.9 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.297 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

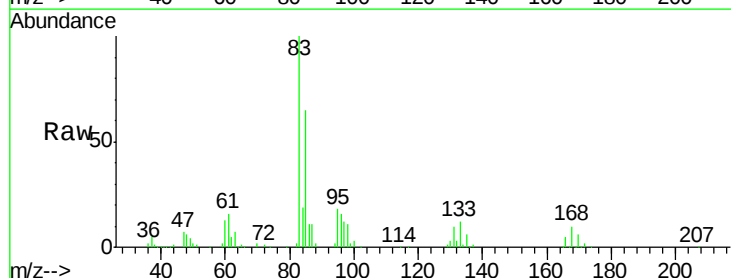
Tgt Ion: 83 Resp: 96469

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

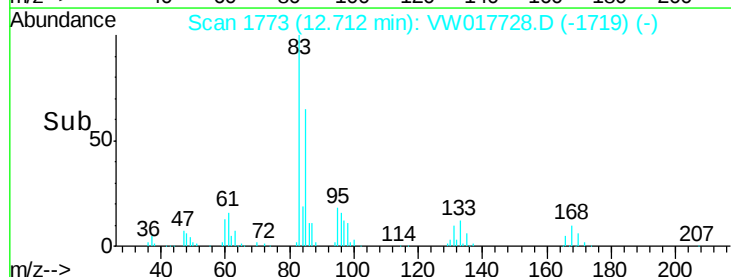
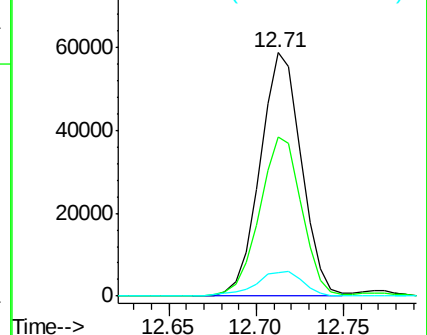
131 9.8 7.8 11.8

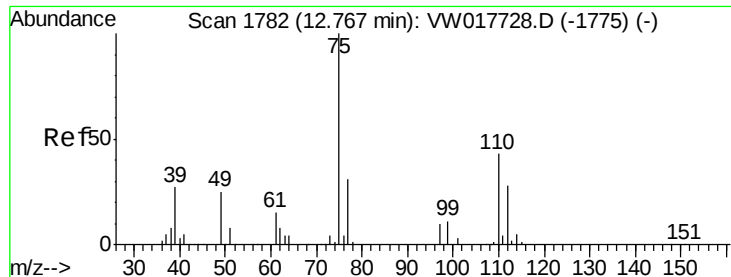


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.350 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

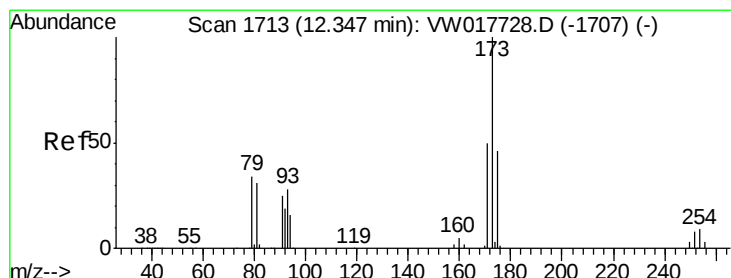
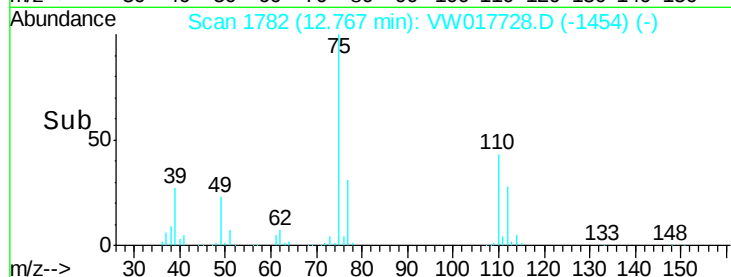
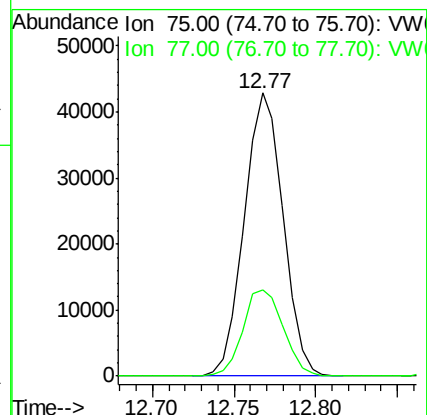
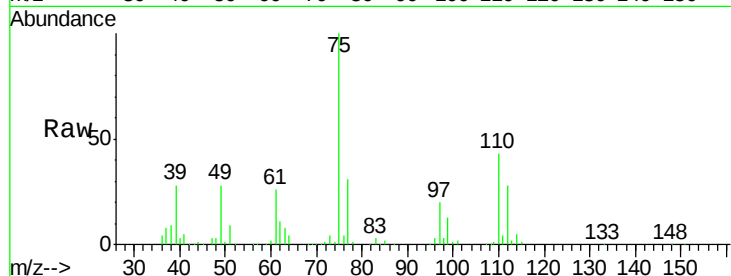
VSTD02503

Tgt Ion: 75 Resp: 71068

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#62

Bromoform

Concen: 24.446 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

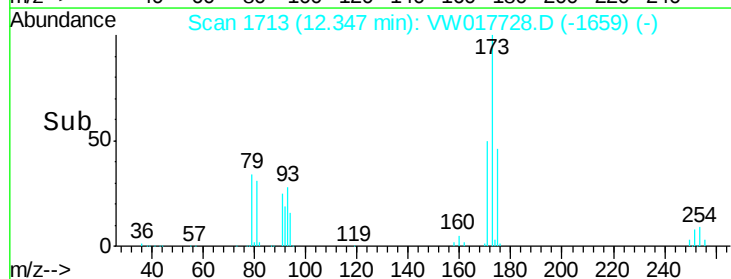
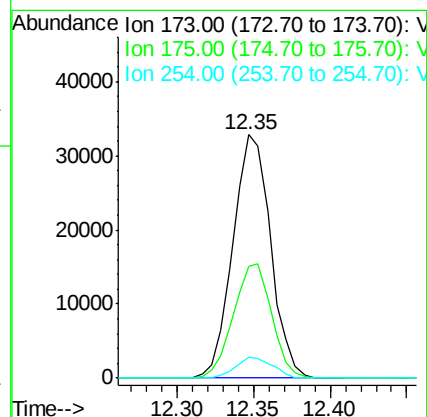
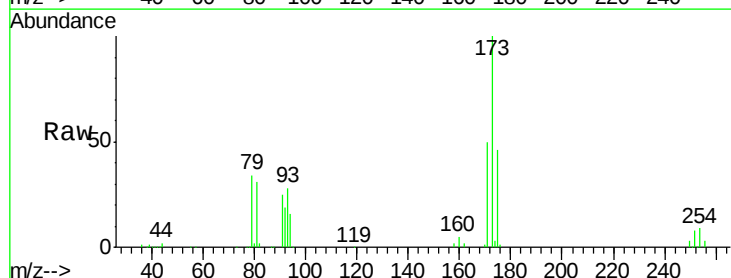
Tgt Ion: 173 Resp: 56128

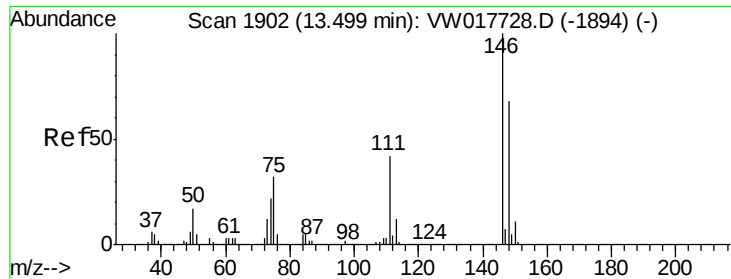
Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 8.4 6.7 10.1

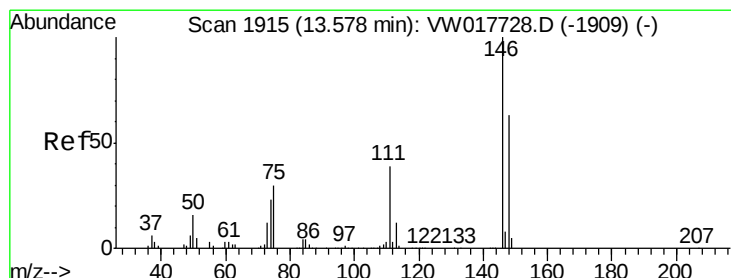
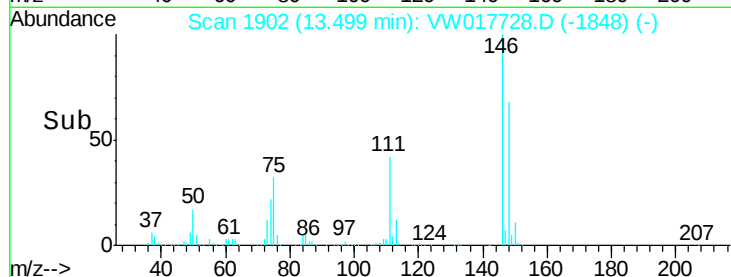
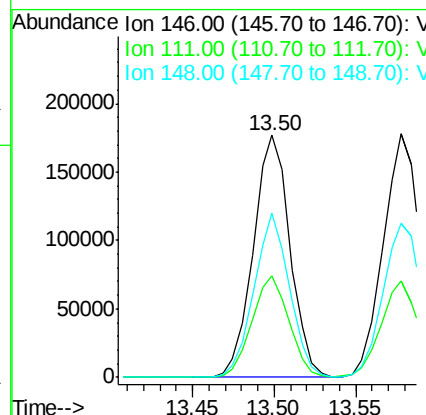
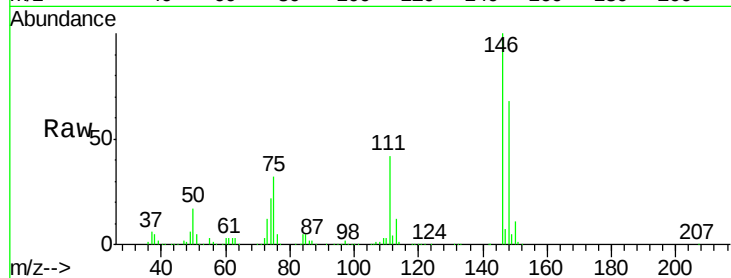




#63
 1,3-Dichlorobenzene
 Concen: 23.935 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

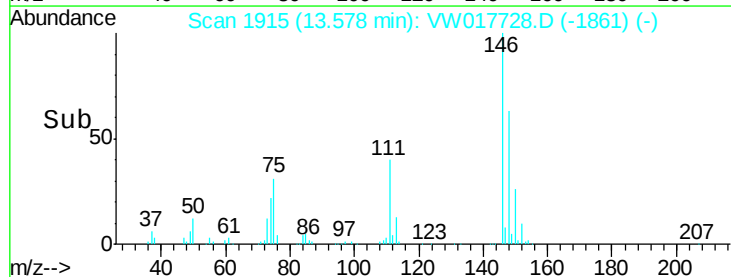
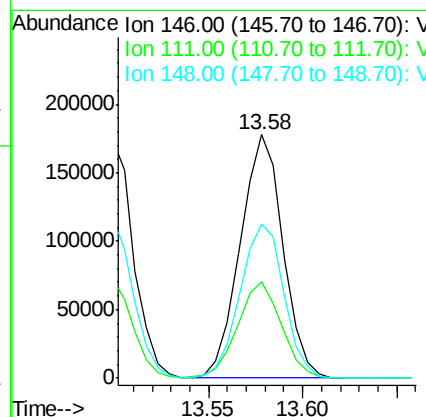
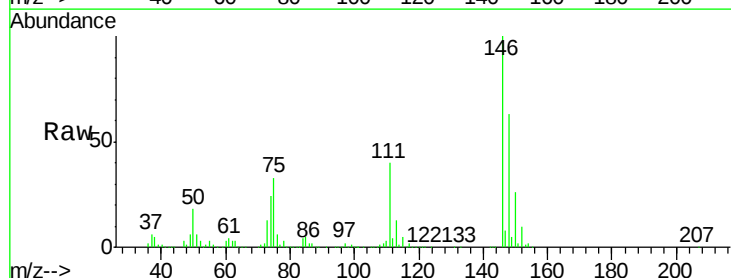
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

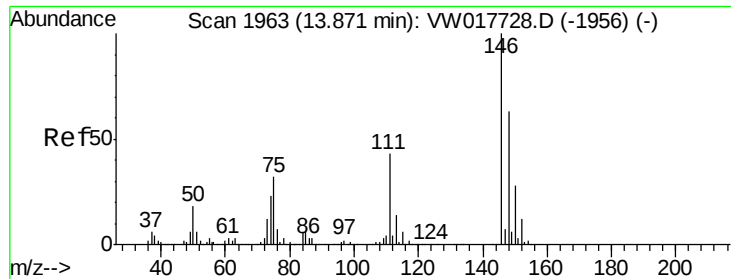
Tgt Ion:146 Resp: 277217
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.5 54.7
 148 68.1 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 23.966 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Tgt Ion:146 Resp: 278936
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.7 51.5
 148 63.2 44.2 82.2

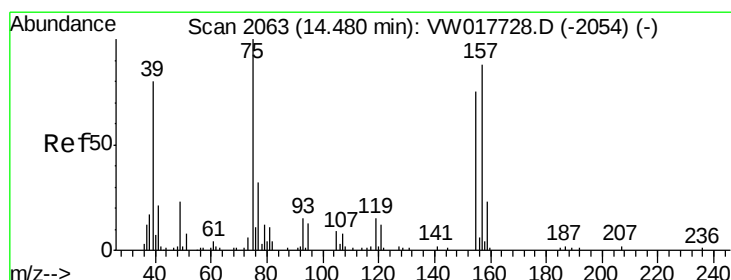
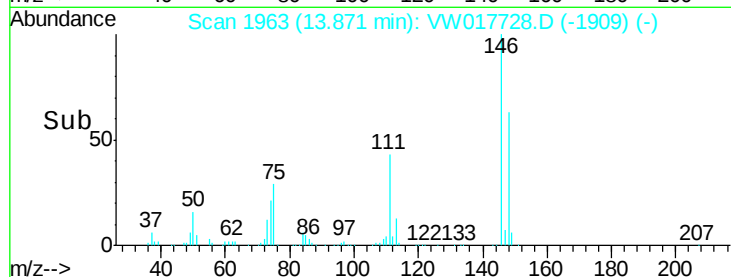
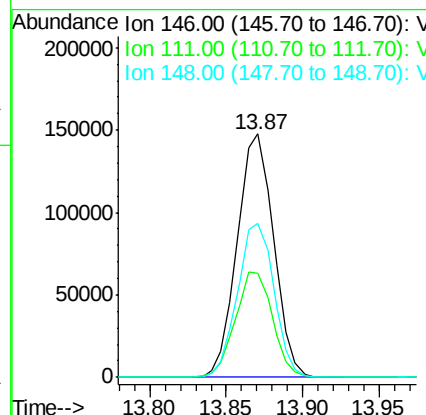
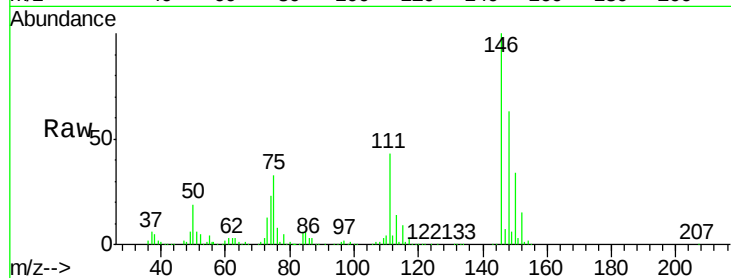




#65
 1,2-Dichlorobenzene
 Concen: 24.073 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

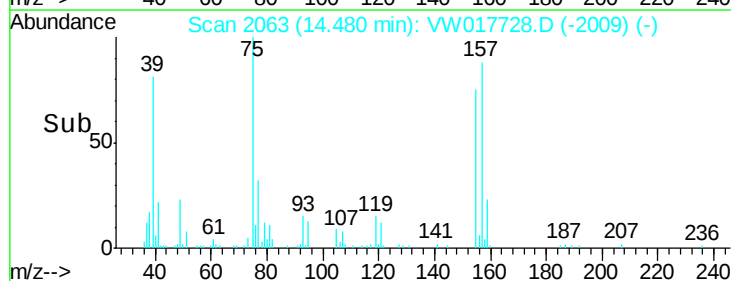
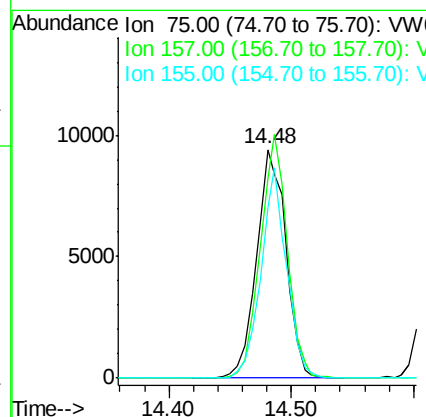
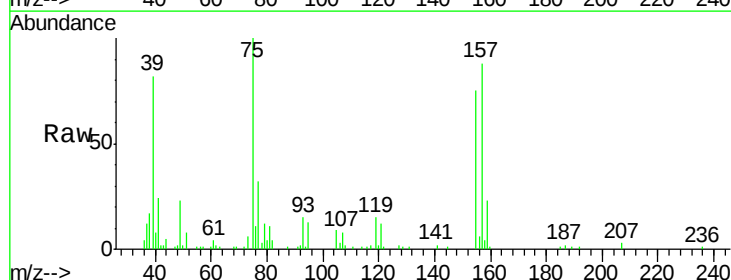
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

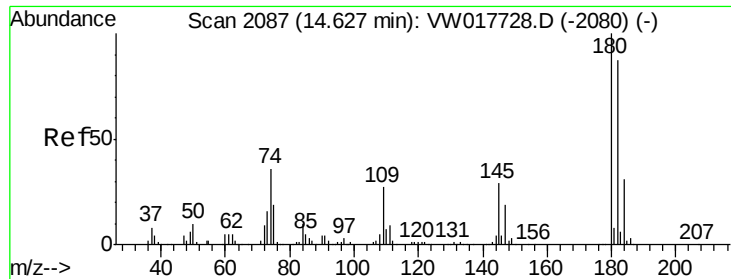
Tgt Ion: 146 Resp: 244991
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.4 51.6
 148 63.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.435 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Tgt Ion: 75 Resp: 15708
 Ion Ratio Lower Upper
 75 100
 157 87.8 70.2 105.4
 155 74.7 59.8 89.6

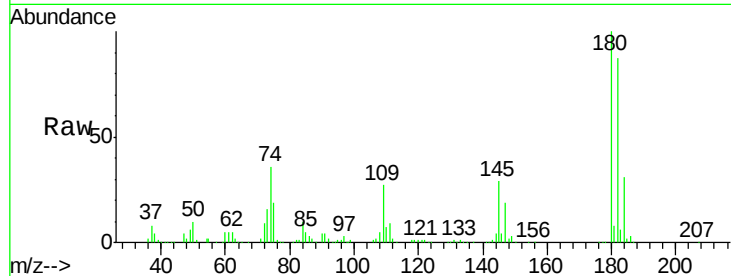




#67
 1,3,5-Trichlorobenzene
 Concen: 24.744 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	29.5	23.6	35.4
145	31.5	25.2	37.8

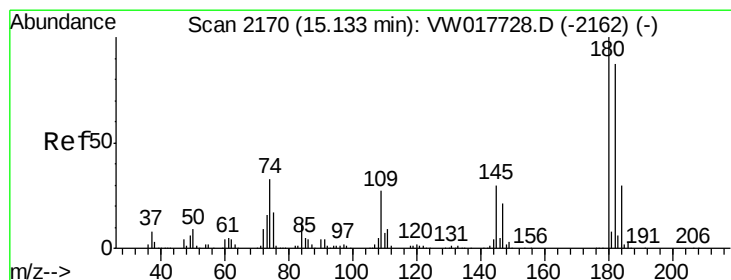
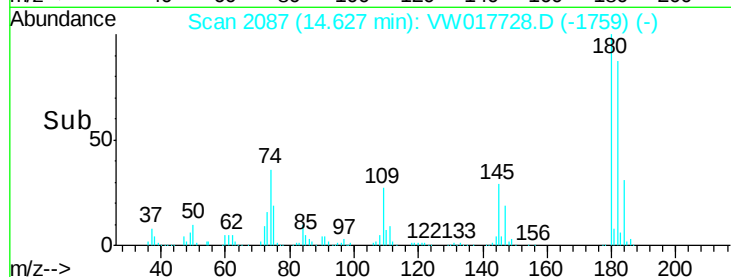
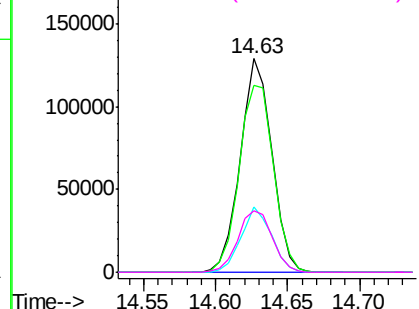


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

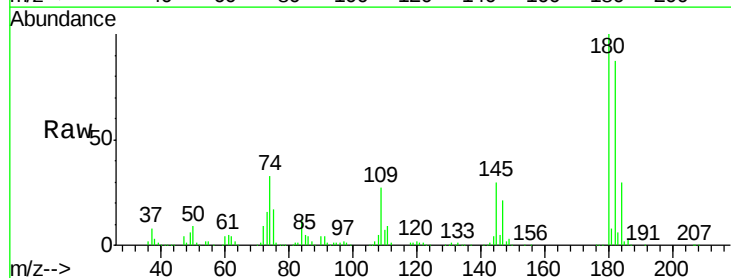
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.633 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017728.D
 Acq: 24 Dec 2020 10:51

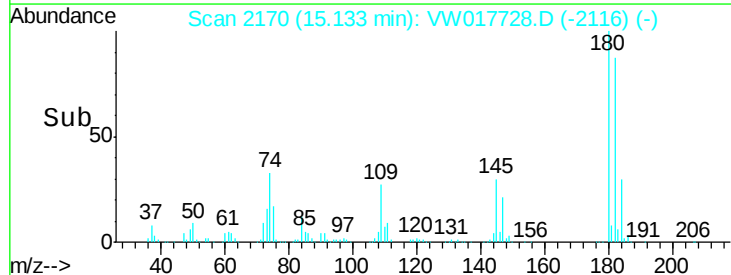
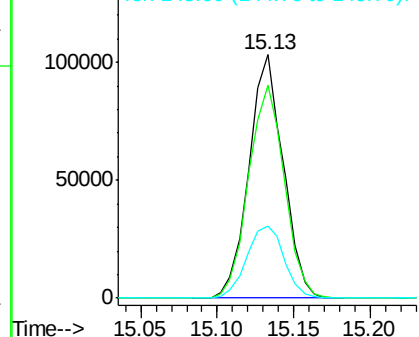
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	73.0	109.6
145	32.2	25.8	38.6

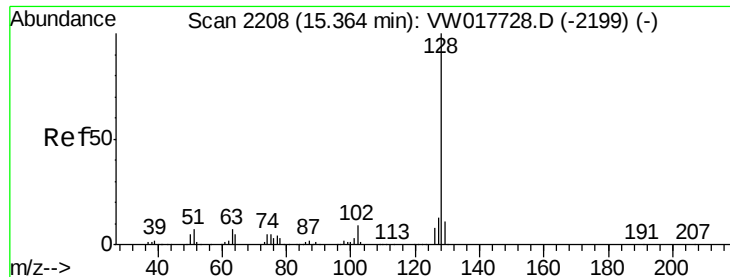


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.562 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

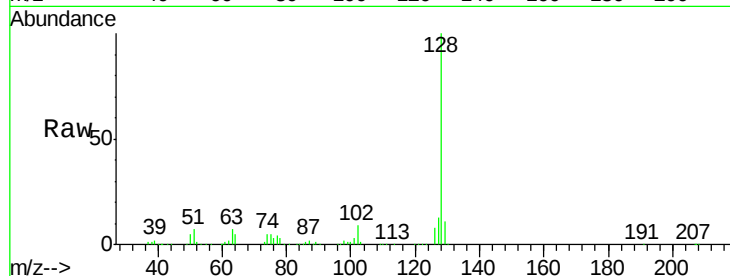
Tgt Ion:128 Resp: 293251

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

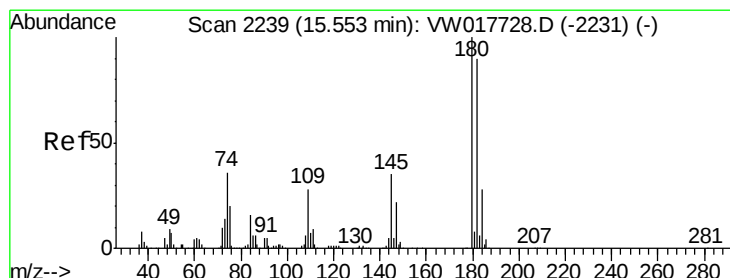
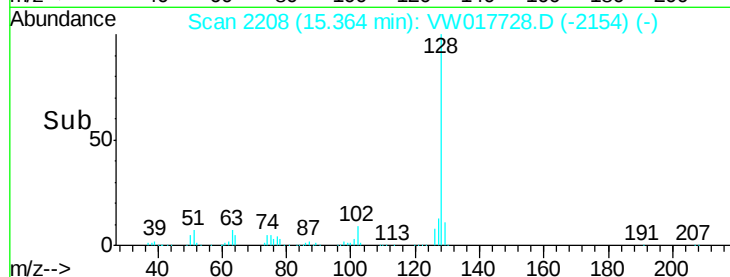
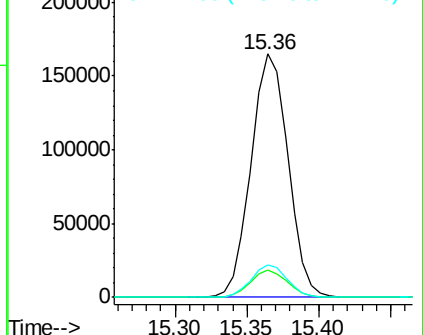
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.755 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017728.D

Acq: 24 Dec 2020 10:51

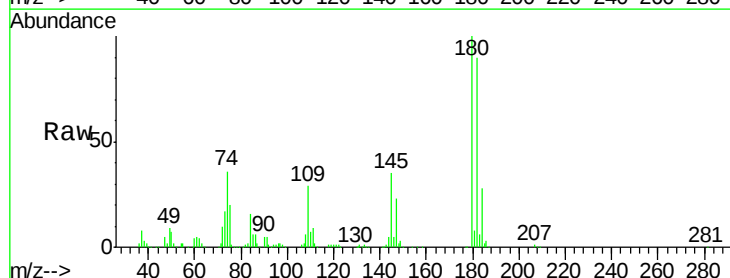
Tgt Ion:180 Resp: 131100

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 35.8 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

