

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120220\
 Data File : VW017517.D
 Acq On : 02 Dec 2020 10:09
 Operator : SY/VA
 Sample : VSTD00503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

Quant Time: Dec 02 11:12:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 02 11:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	515862	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	477994	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	236369	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	34329	6.92	ug/L	0.00
7) Chloroethane-d5	2.89	69	26096	5.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	69664	6.34	ug/L	0.00
21) 2-Butanone-d5	7.09	46	15501	12.55	ug/L	0.00
24) Chloroform-d	7.65	84	71312	6.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	37092	6.68	ug/L	0.00
32) Benzene-d6	8.27	84	135939	6.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	39208	6.35	ug/L	0.00
41) Toluene-d8	10.33	98	121287	5.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	16769	6.13	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	9025	9.53	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	30571	6.28	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	44287	5.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	21706	3.770 ug/L	91
3) Chloromethane	2.21	50	21323	4.235 ug/L	98
5) Vinyl chloride	2.37	62	32818	5.246 ug/L	98
6) Bromomethane	2.78	94	21540	4.399 ug/L	94
8) Chloroethane	2.93	64	20113	4.700 ug/L	91
9) Trichlorofluoromethane	3.26	101	29507	5.676 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	35511	5.128 ug/L	# 88
12) 1,1-Dichloroethene	4.05	96	33600	5.160 ug/L	86
13) Acetone	4.12	43	12236	11.325 ug/L	93
14) Carbon disulfide	4.39	76	97323	5.361 ug/L	99
15) Methyl Acetate	4.67	43	14528	6.513 ug/L	100
16) Methylene chloride	4.93	84	43092	5.816 ug/L	98
17) trans-1,2-Dichloroethene	5.43	96	35391	5.096 ug/L	88
18) Methyl tert-butyl Ether	5.42	73	39543	5.317 ug/L	99
19) 1,1-Dichloroethane	6.22	63	61545	5.616 ug/L	98
20) cis-1,2-Dichloroethene	7.18	96	38094	5.353 ug/L	84
23) Bromochloromethane	7.51	128	17585	5.235 ug/L	97
25) Chloroform	7.68	83	66088	5.609 ug/L	95
27) 1,2-Dichloroethane	8.40	62	41897	5.898 ug/L	97
29) Cyclohexane	7.96	56	49880	5.051 ug/L	97
30) 1,1,1-Trichloroethane	7.88	97	54540	5.420 ug/L	99
31) Carbon tetrachloride	8.07	117	52999	5.410 ug/L	100
33) Benzene	8.33	78	139069	5.403 ug/L	100
34) Trichloroethene	9.10	95	37766	5.193 ug/L	97
35) Methylcyclohexane	9.34	83	60716	5.053 ug/L	98
37) 1,2-Dichloropropane	9.37	63	33613	5.641 ug/L	98
38) Bromodichloromethane	9.65	83	45395	5.446 ug/L	98
39) cis-1,3-Dichloropropene	10.08	75	49859	5.311 ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	33159	10.776 ug/L	99
42) Toluene	10.39	91	146479	5.161 ug/L	100

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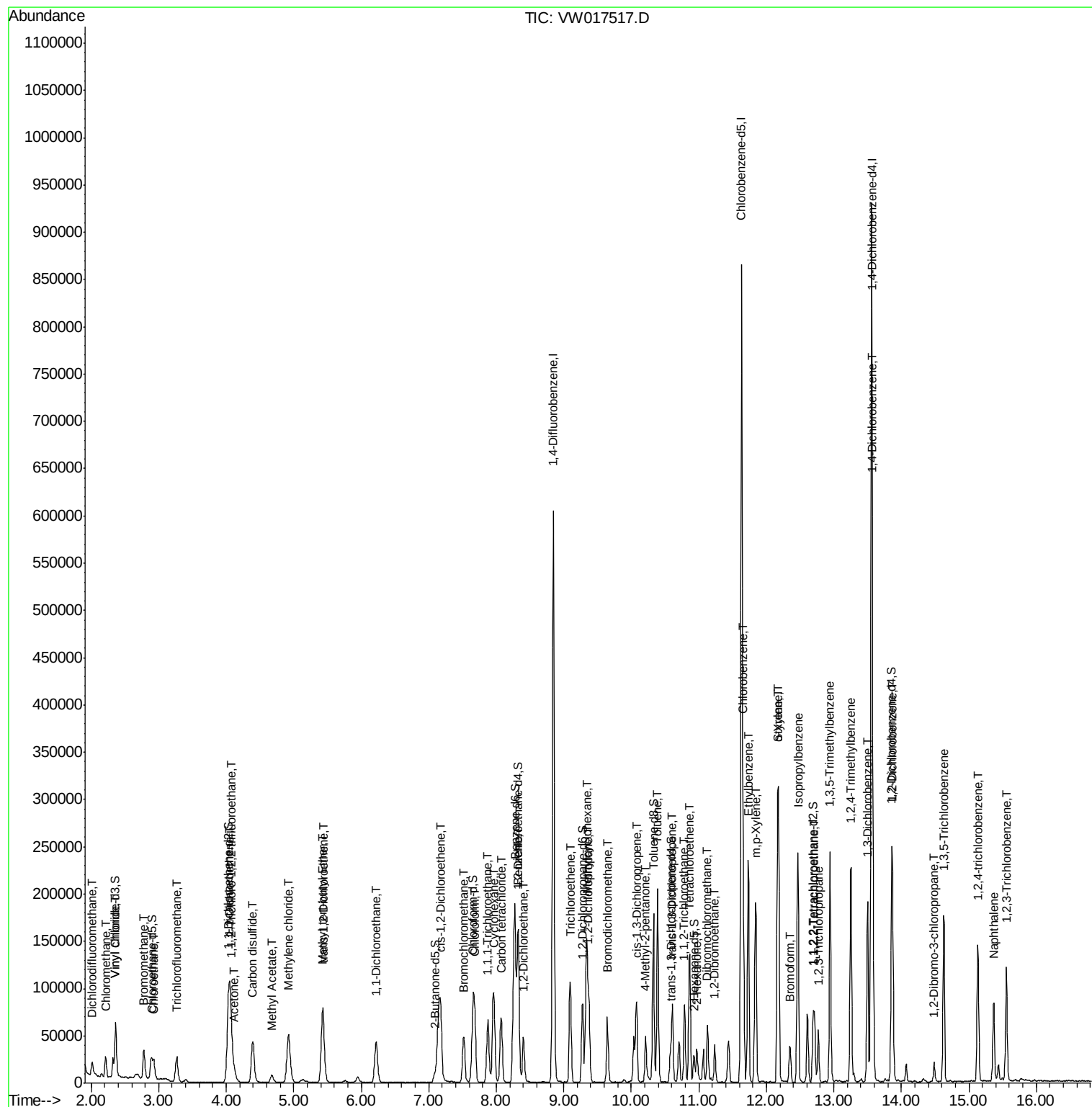
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.61	75	45162	5.595	ug/L	96
45) 1,1,2-Trichloroethane	10.79	97	26508	5.505	ug/L	96
46) Tetrachloroethene	10.87	164	31705	4.847	ug/L	92
48) 2-Hexanone	10.97	43	23073	11.049	ug/L	97
49) Dibromochloromethane	11.13	129	31713	5.339	ug/L	99
50) 1,2-Dibromoethane	11.24	107	25548	5.525	ug/L	95
51) Chlorobenzene	11.66	112	96167	5.066	ug/L	98
52) Ethylbenzene	11.73	91	162640	5.078	ug/L	97
53) m,p-Xylene	11.84	106	61610	4.971	ug/L	96
54) o-Xylene	12.17	106	58018	4.939	ug/L	99
55) Styrene	12.18	104	97773	4.984	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	30366	5.741	ug/L	98
59) Bromoform	12.35	173	17985	5.283	ug/L #	98
60) Isopropylbenzene	12.47	105	159864	5.141	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	22189	5.851	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	123343	4.797	ug/L	96
63) 1,2,4-Trimethylbenzene	13.26	105	126892	5.193	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	77352	5.160	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	80623	5.410	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	68905	5.270	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.49	75	4922	6.106	ug/L	87
69) 1,3,5-Trichlorobenzene	14.63	180	54969	4.992	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	46041	5.193	ug/L	100
71) Naphthalene	15.37	128	69422	4.782	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	39917	5.255	ug/L	99

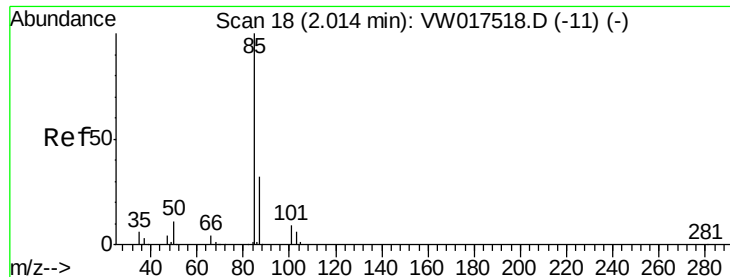
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.770 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

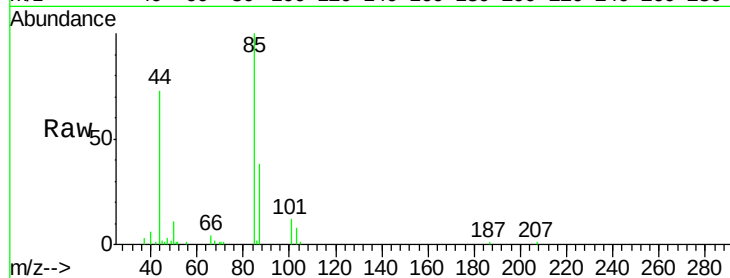
VSTD005103

Tgt Ion: 85 Resp: 21706

Ion Ratio Lower Upper

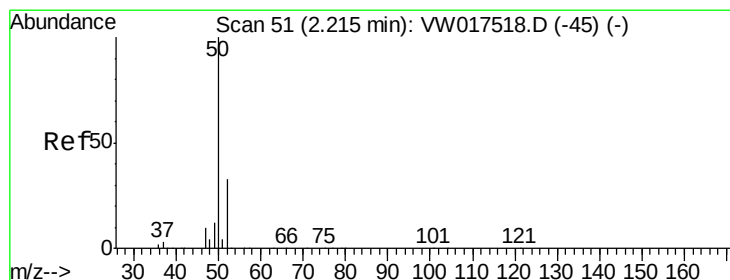
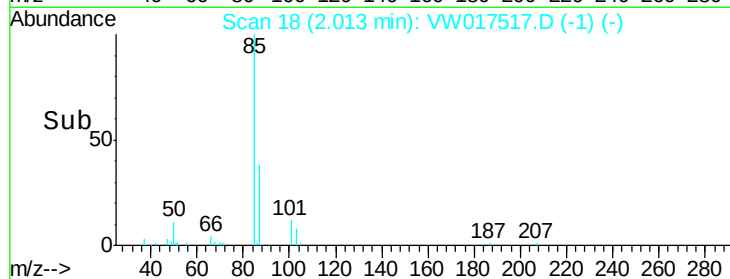
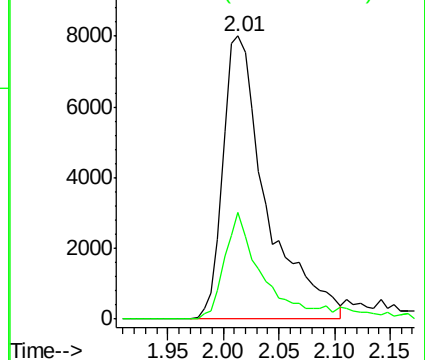
85 100

87 30.5 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.235 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017517.D

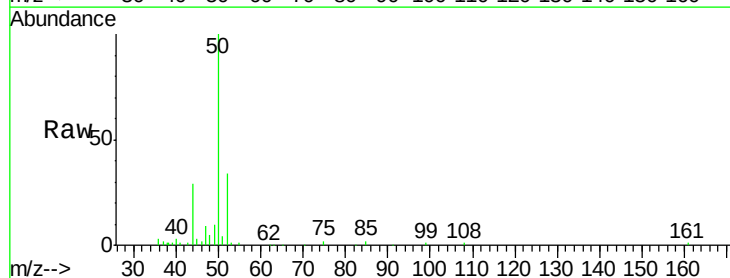
Acq: 02 Dec 2020 10:09

Tgt Ion: 50 Resp: 21323

Ion Ratio Lower Upper

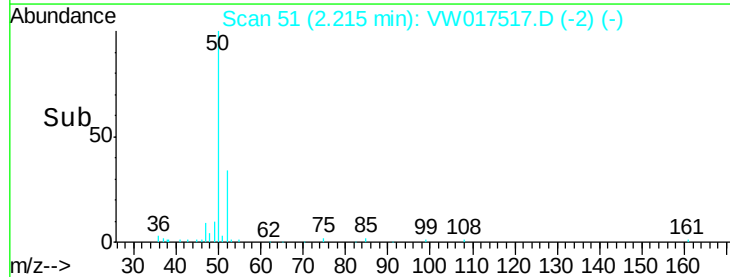
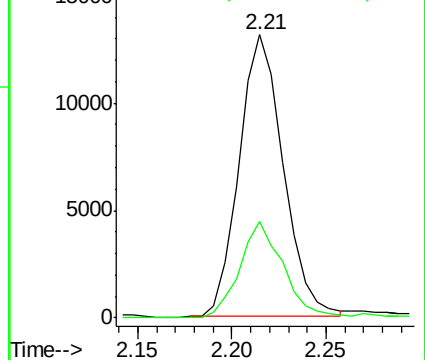
50 100

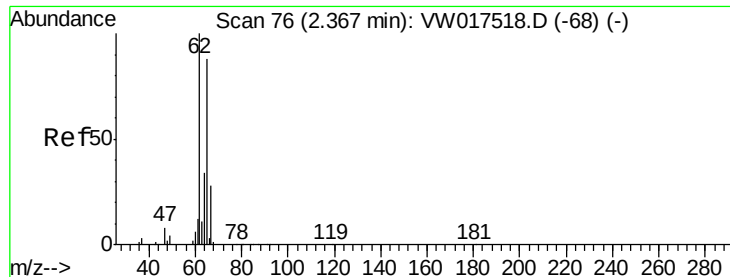
52 34.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.246 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

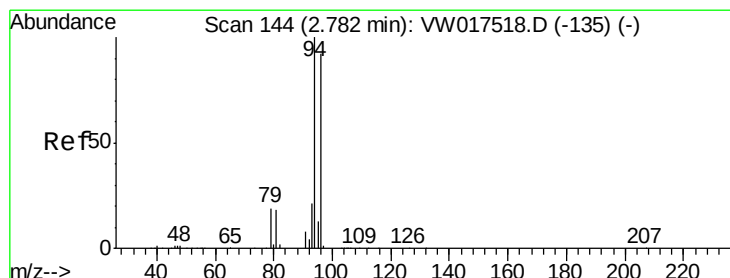
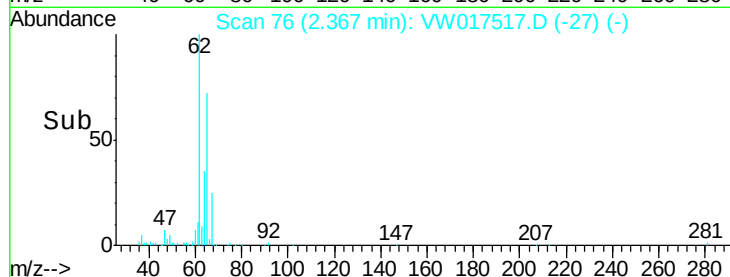
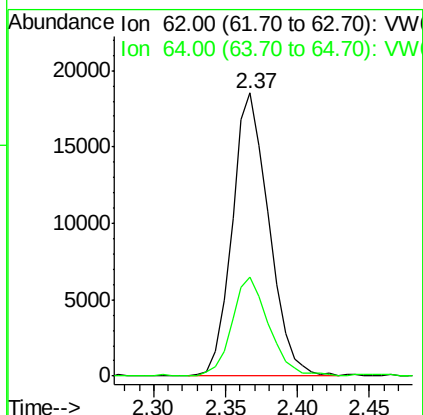
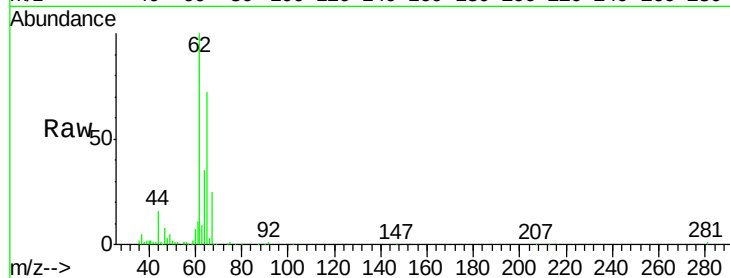
VSTD005103

Tgt Ion: 62 Resp: 32818

Ion Ratio Lower Upper

62 100

64 34.8 23.7 43.9



#6

Bromomethane

Concen: 4.399 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017517.D

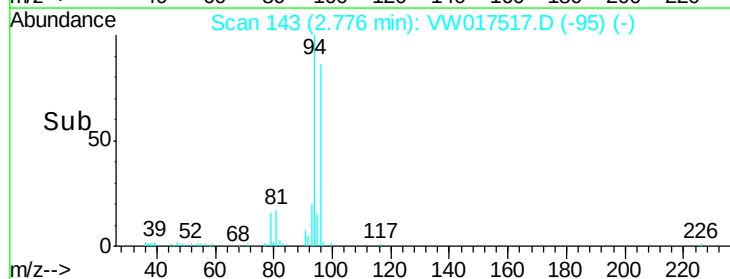
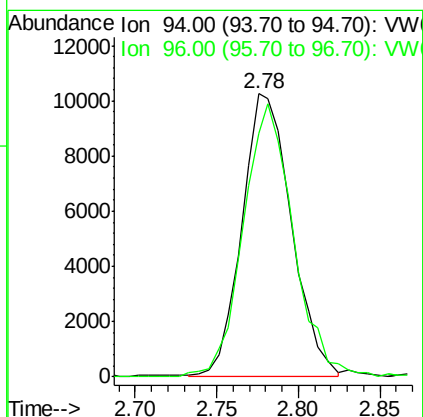
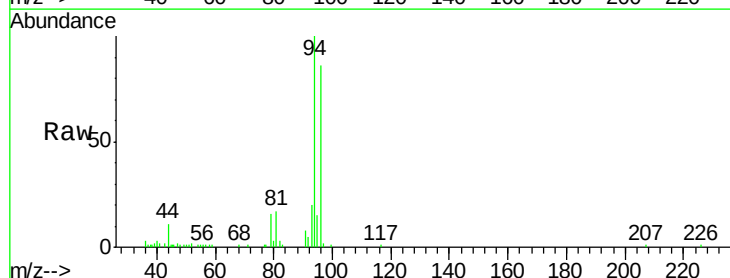
Acq: 02 Dec 2020 10:09

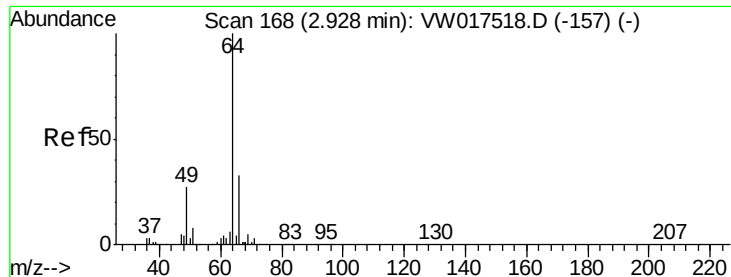
Tgt Ion: 94 Resp: 21540

Ion Ratio Lower Upper

94 100

96 86.3 64.2 119.2





#8

Chloroethane

Concen: 4.700 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

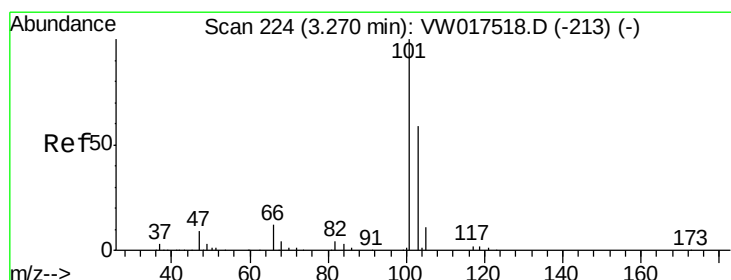
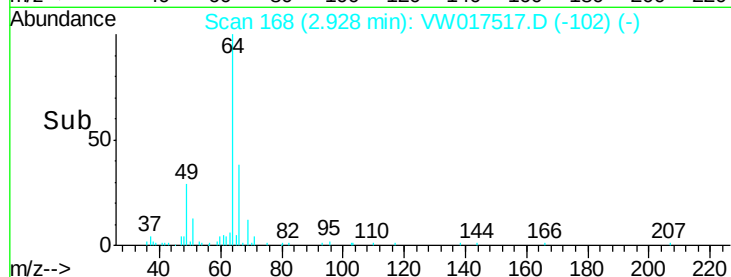
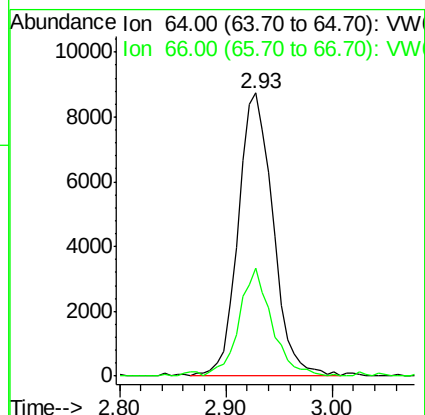
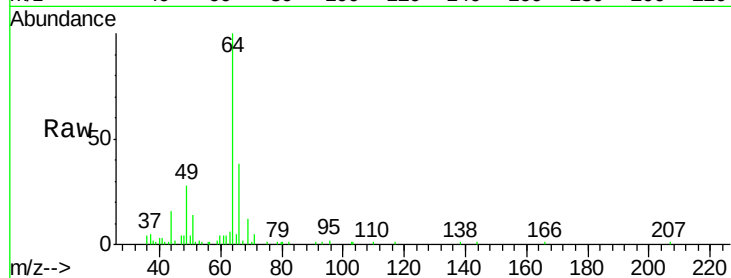
VSTD005103

Tgt Ion: 64 Resp: 20113

Ion Ratio Lower Upper

64 100

66 38.1 23.2 43.2



#9

Trichlorofluoromethane

Concen: 5.676 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017517.D

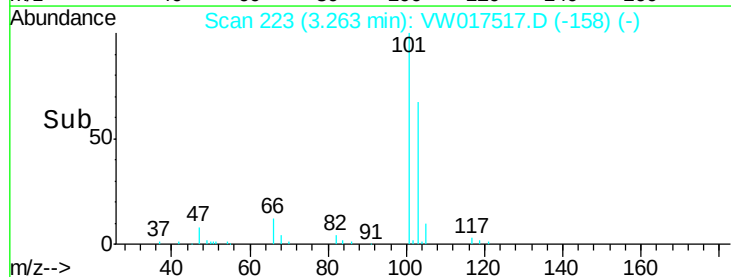
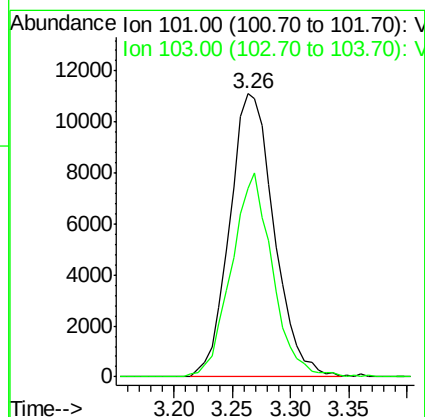
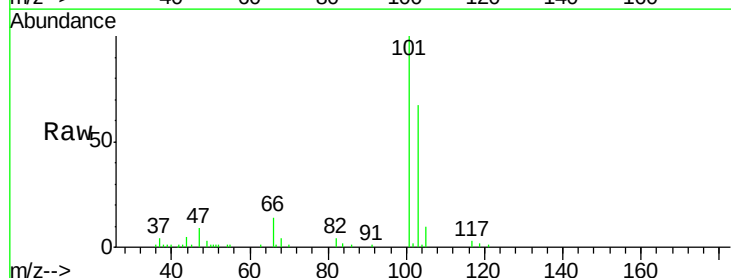
Acq: 02 Dec 2020 10:09

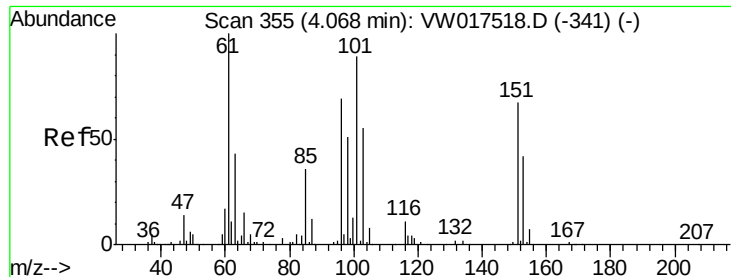
Tgt Ion: 101 Resp: 29507

Ion Ratio Lower Upper

101 100

103 66.1 50.6 75.8





#10

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

Concen: 5.128 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

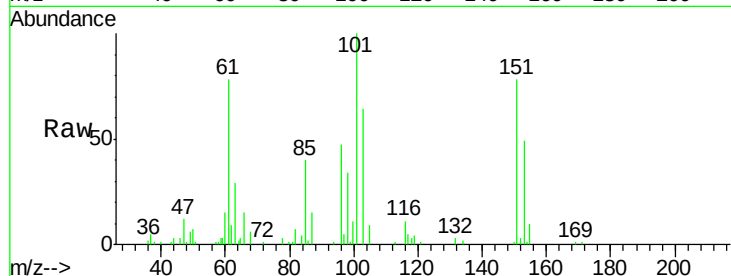
Tgt Ion:101 Resp: 35511

Ion Ratio Lower Upper

101 100

85 20.2 34.0 51.0#

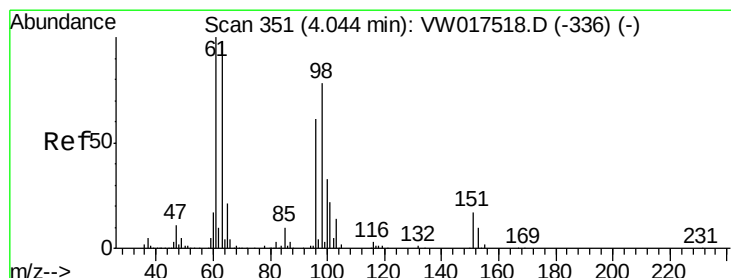
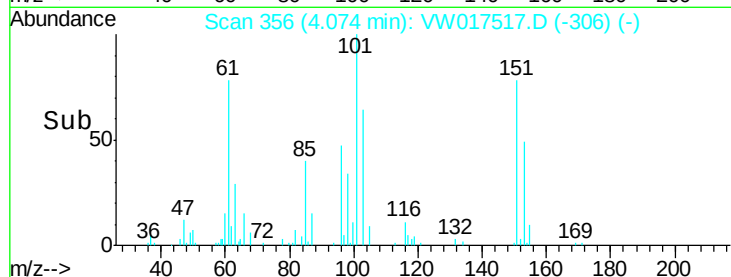
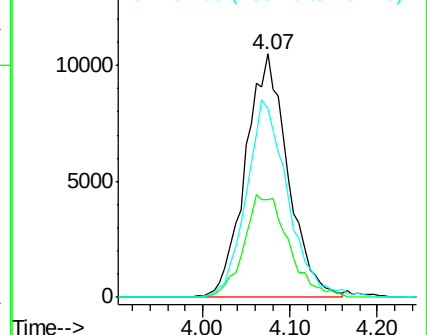
151 78.5 62.8 94.2



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: 5.160 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

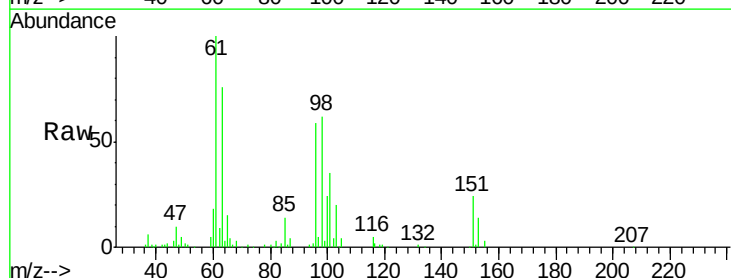
Tgt Ion: 96 Resp: 33600

Ion Ratio Lower Upper

96 100

61 168.1 115.0 213.6

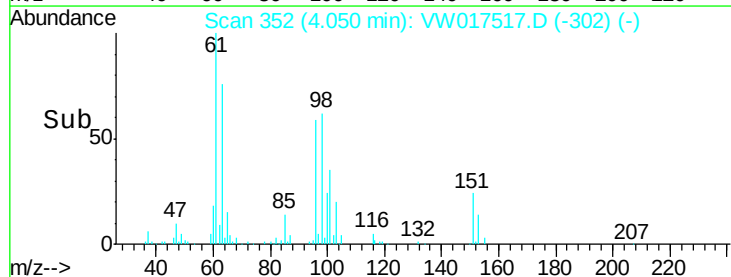
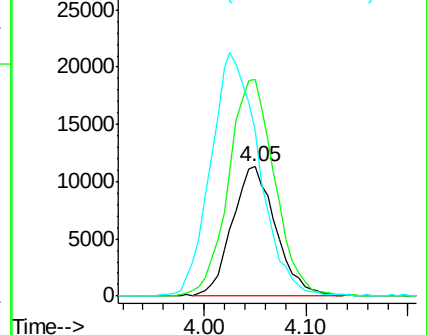
63 128.3 112.7 209.3

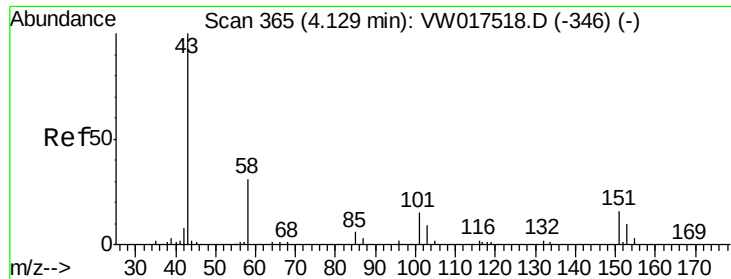


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 11.325 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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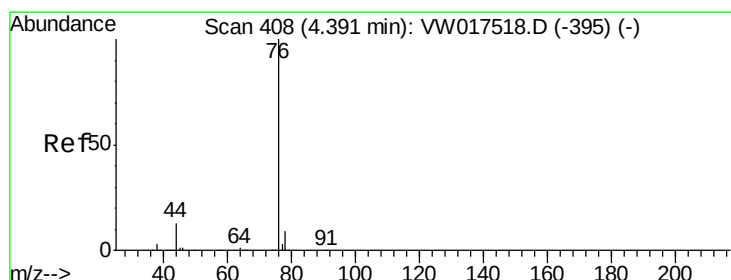
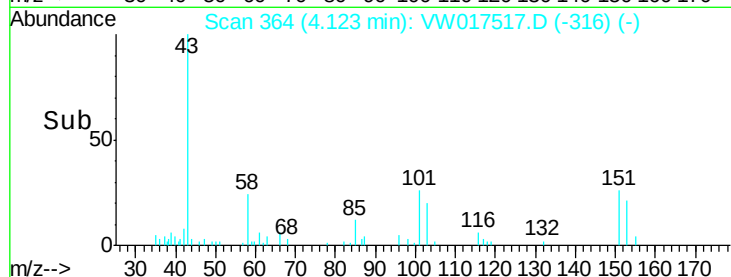
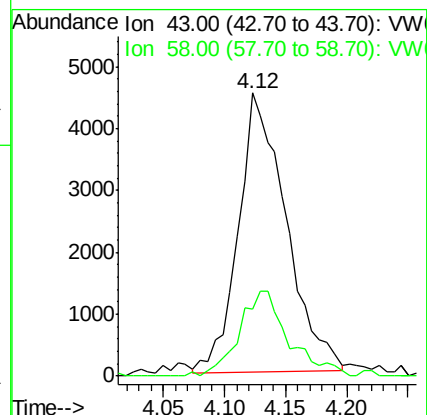
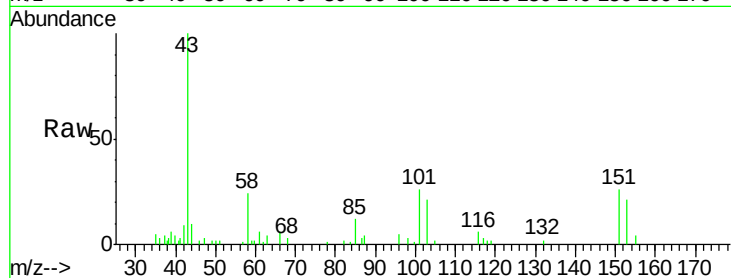
VSTD005103

Tgt Ion: 43 Resp: 12236

Ion Ratio Lower Upper

43 100

58 25.9 0.0 59.2



#14

Carbon disulfide

Concen: 5.361 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017517.D

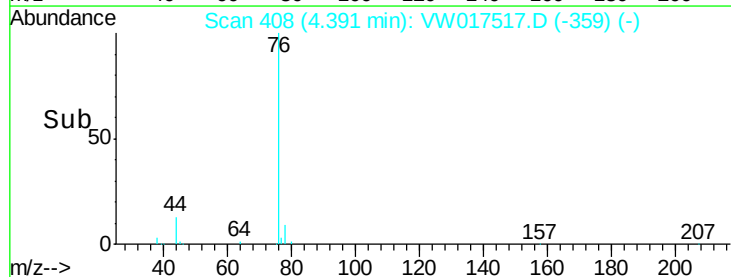
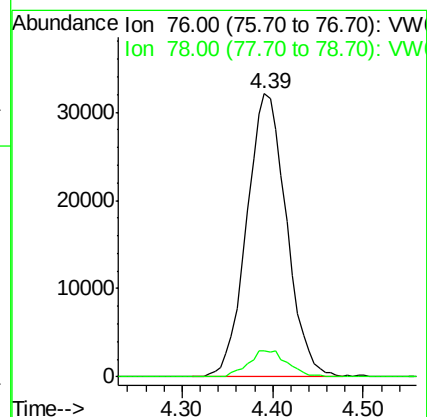
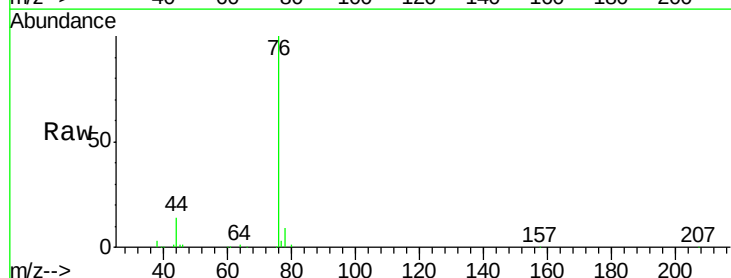
Acq: 02 Dec 2020 10:09

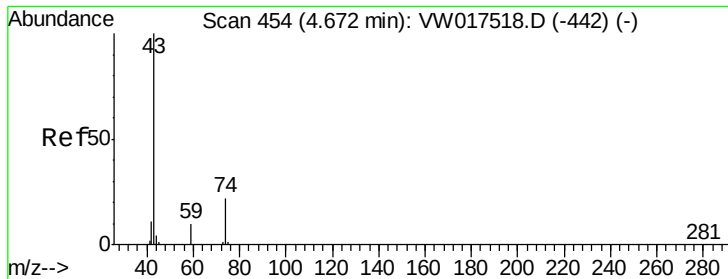
Tgt Ion: 76 Resp: 97323

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

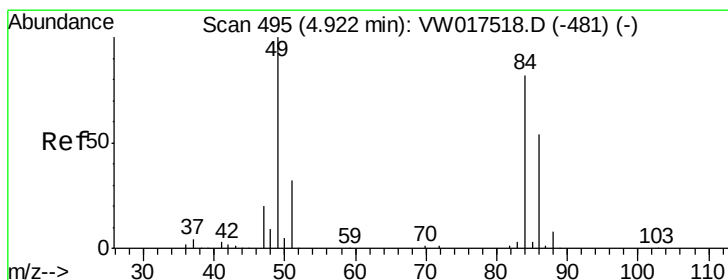
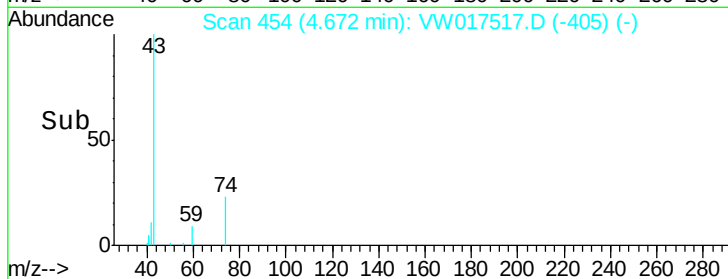
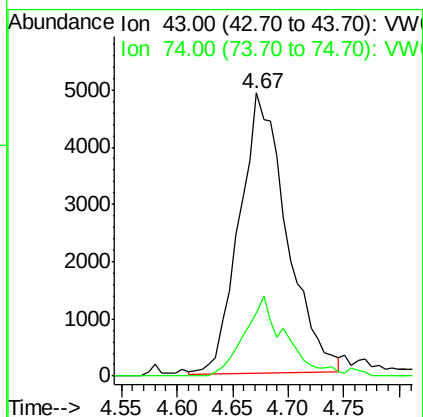
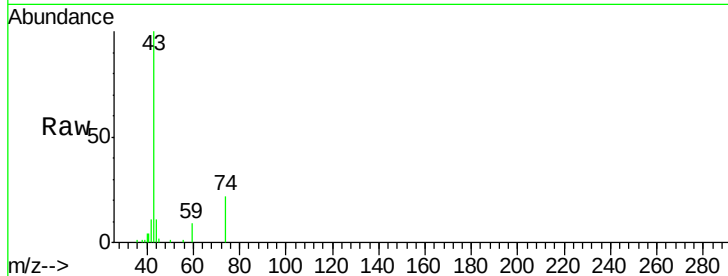




#15
Methyl Acetate
Concen: 6.513 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

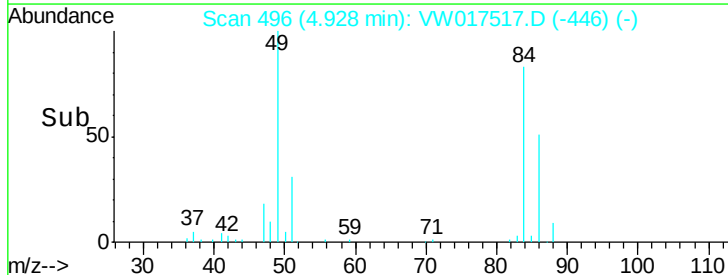
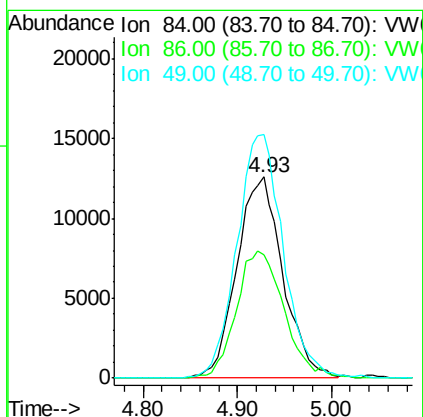
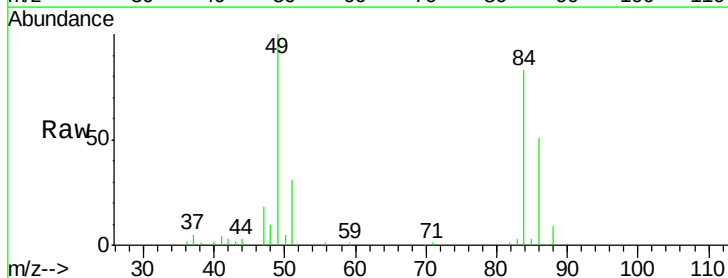
Instrument :
MSVOA_W
ClientSampleId :
VSTD005103

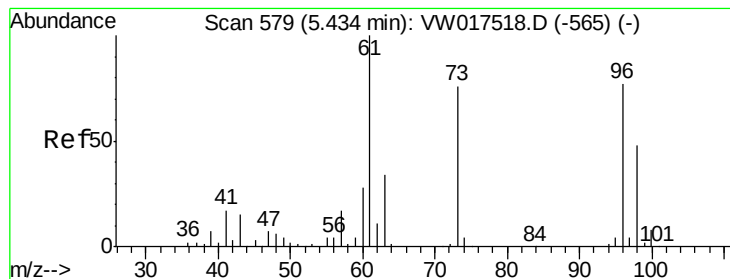
Tgt Ion: 43 Resp: 14528
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4



#16
Methylene chloride
Concen: 5.816 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

Tgt Ion: 84 Resp: 43092
Ion Ratio Lower Upper
84 100
86 61.5 46.2 85.8
49 121.1 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 5.096 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

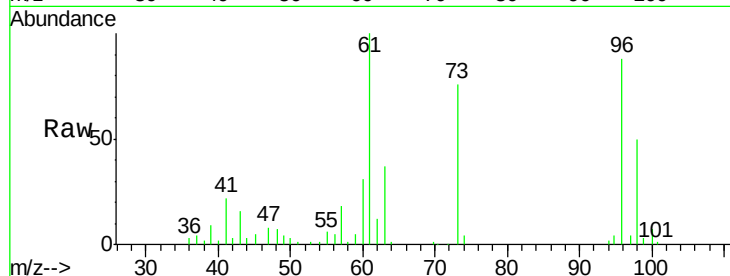
Tgt Ion: 96 Resp: 35391

Ion Ratio Lower Upper

96 100

61 113.8 91.4 169.8

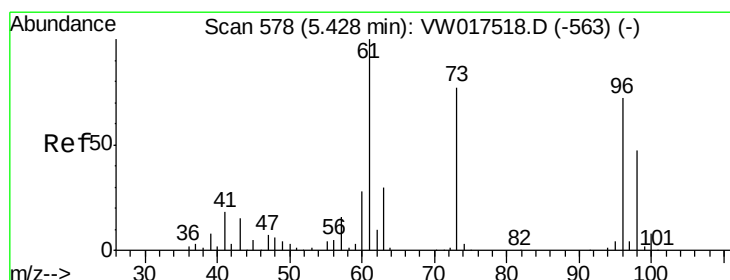
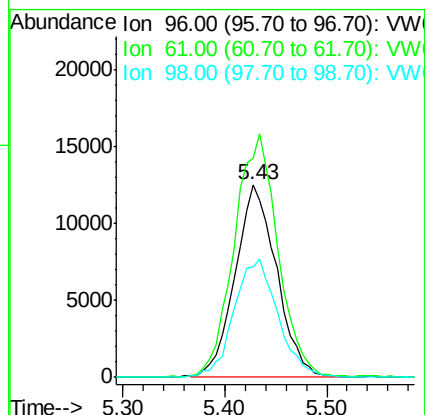
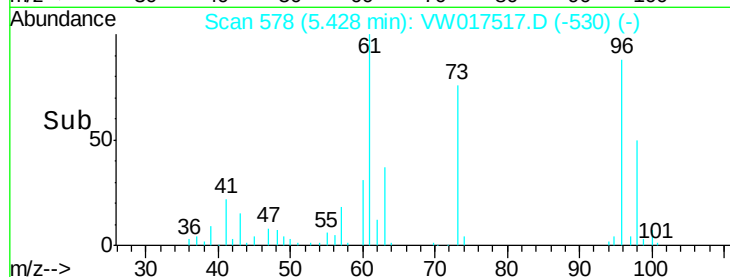
98 57.2 44.0 81.8



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: 5.317 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

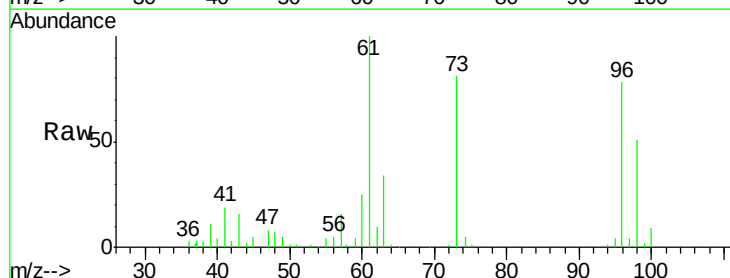
Tgt Ion: 73 Resp: 39543

Ion Ratio Lower Upper

73 100

43 21.0 16.0 24.0

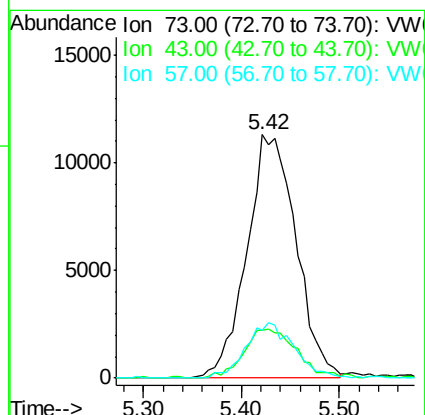
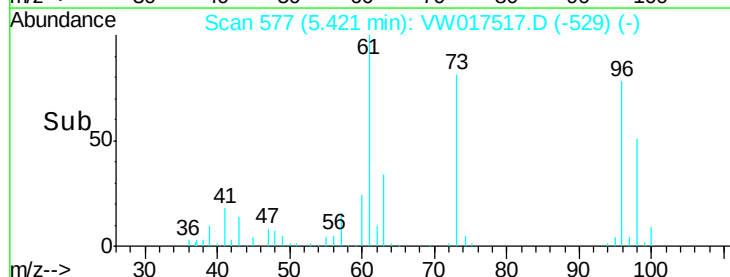
57 21.9 17.4 26.0

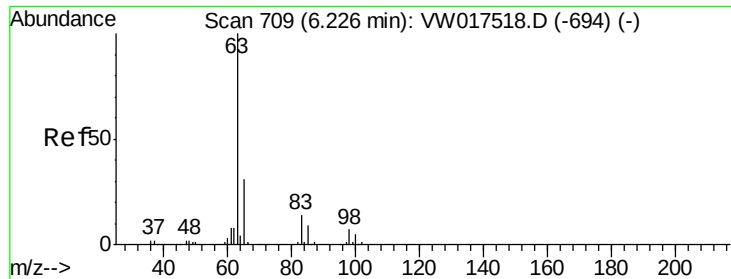


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW

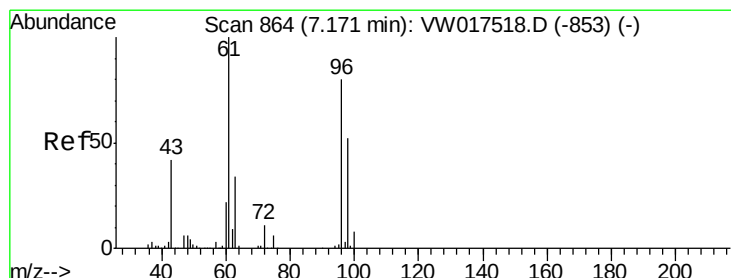
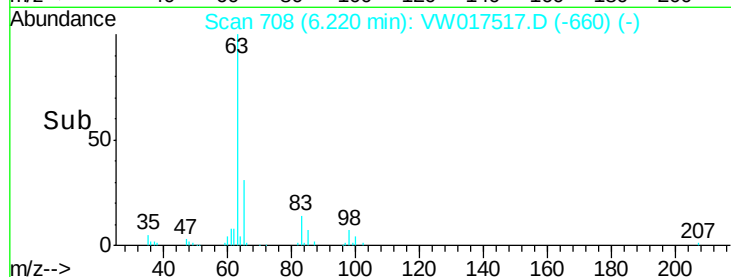
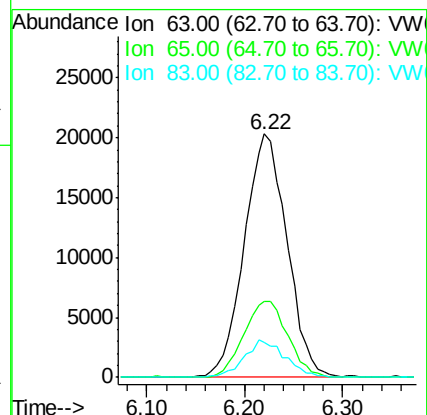
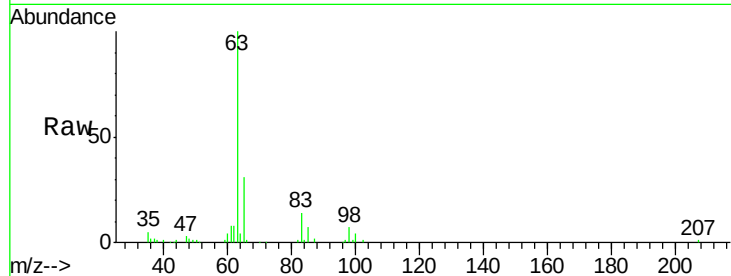




#19
 1,1-Dichloroethane
 Concen: 5.616 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

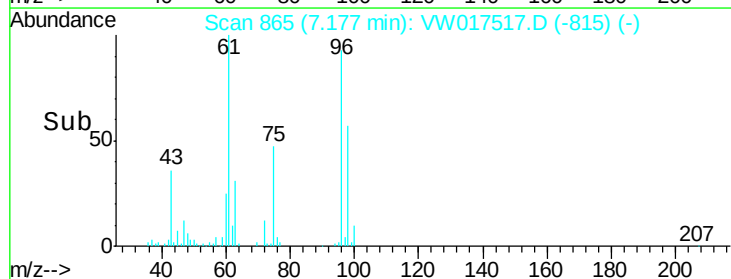
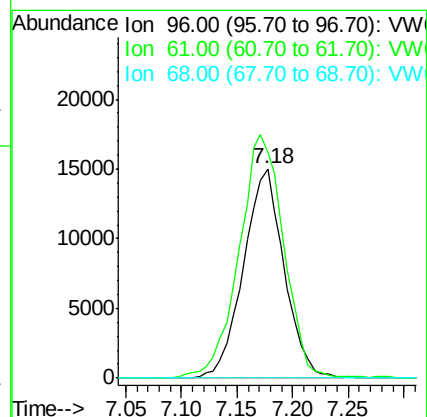
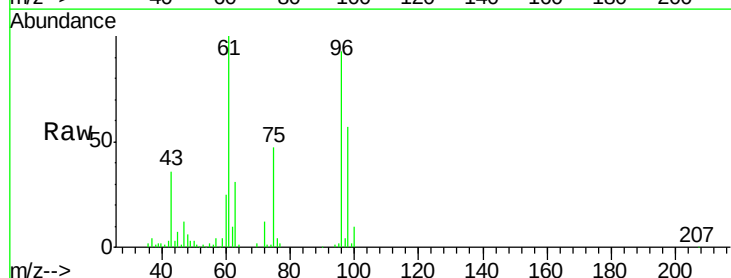
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD005103

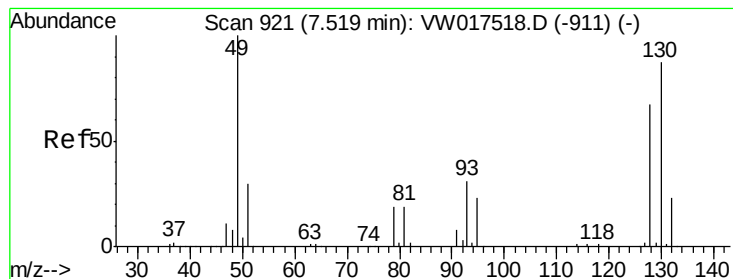
Tgt Ion: 63 Resp: 61545
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.3 39.6
 83 14.5 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 5.353 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion: 96 Resp: 38094
 Ion Ratio Lower Upper
 96 100
 61 107.9 88.0 163.4
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 5.235 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

Tgt Ion:128 Resp: 17585

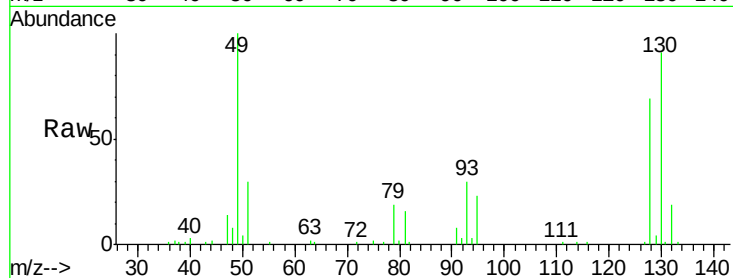
Ion Ratio Lower Upper

128 100

49 143.9 104.7 194.4

130 130.9 90.8 168.6

51 43.5 36.3 54.5

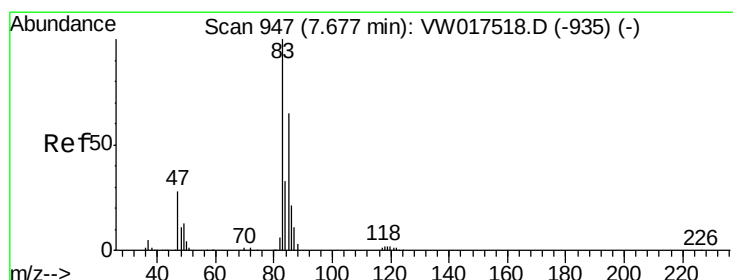
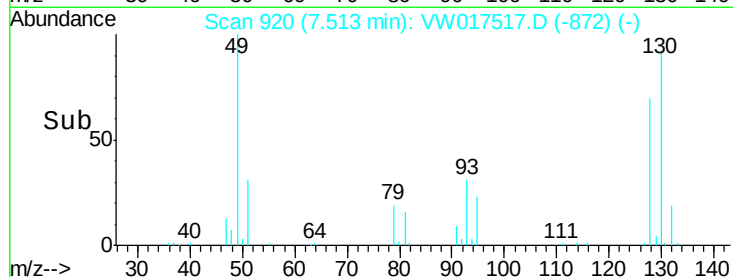
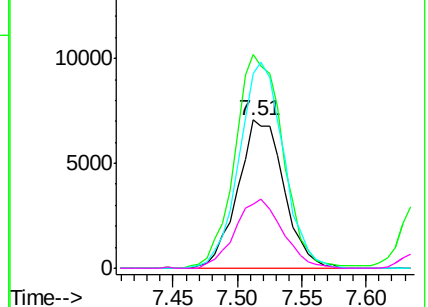


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV



#25

Chloroform

Concen: 5.609 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW017517.D

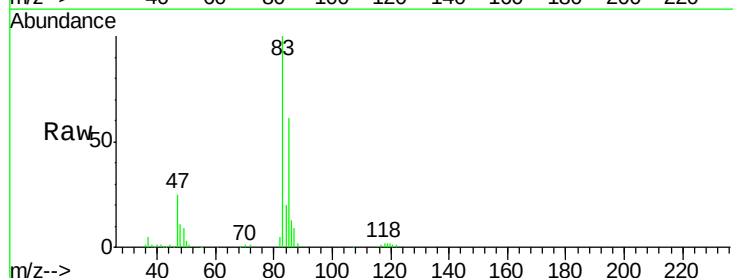
Acq: 02 Dec 2020 10:09

Tgt Ion: 83 Resp: 66088

Ion Ratio Lower Upper

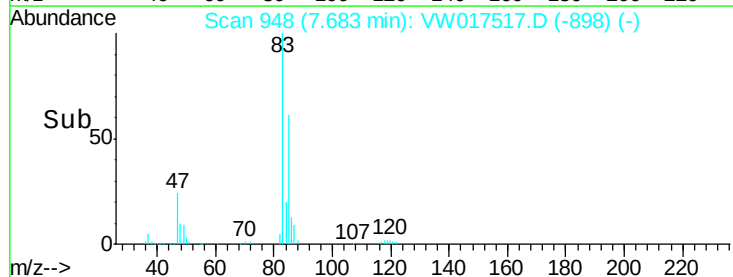
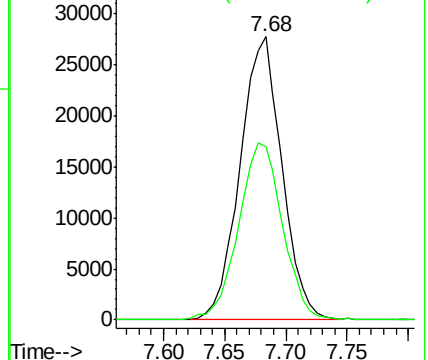
83 100

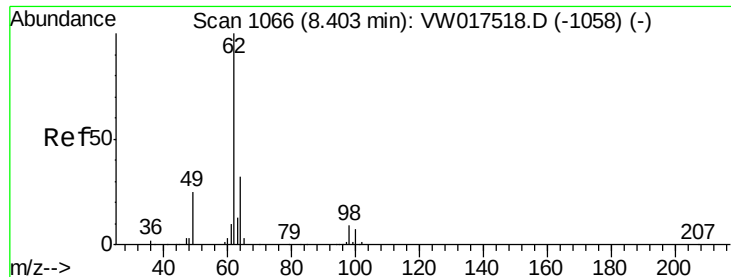
85 61.3 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

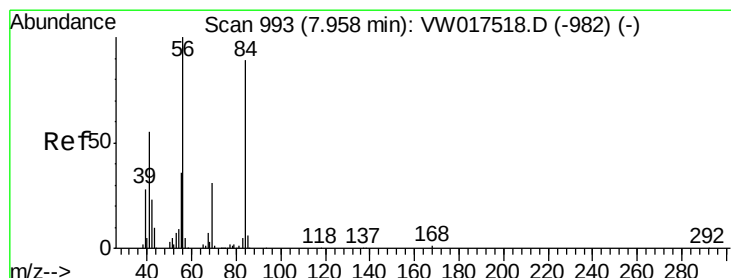
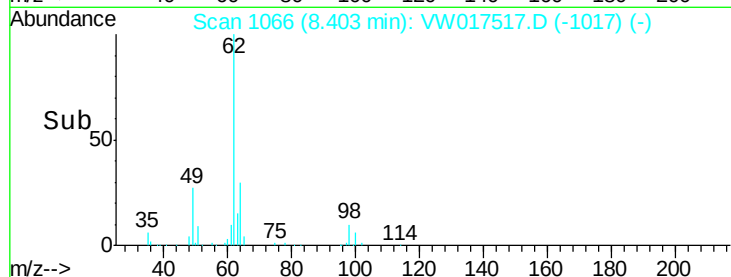
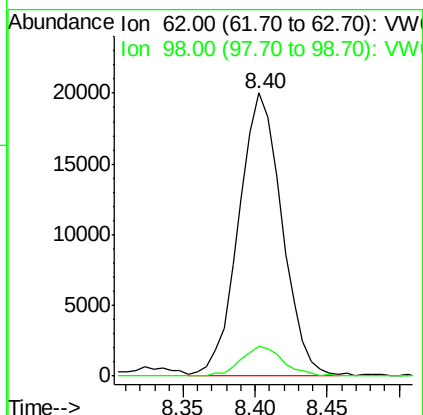
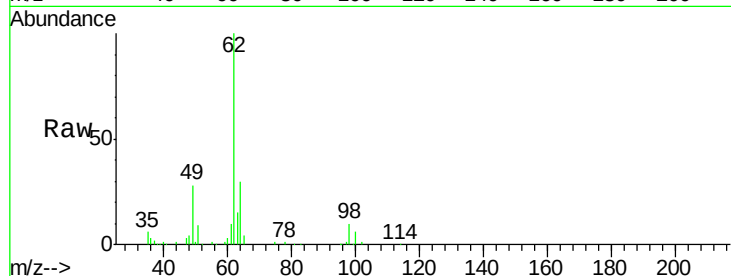




#27
 1,2-Dichloroethane
 Concen: 5.898 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

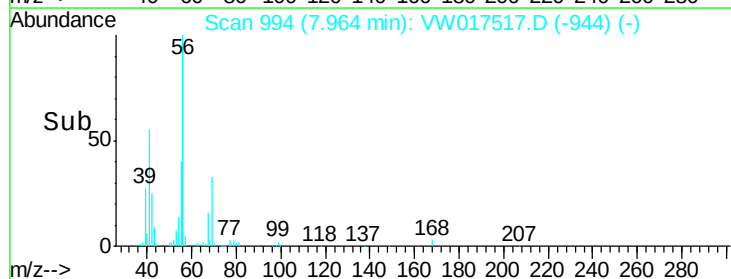
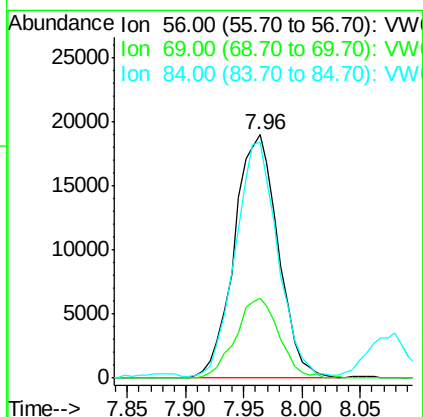
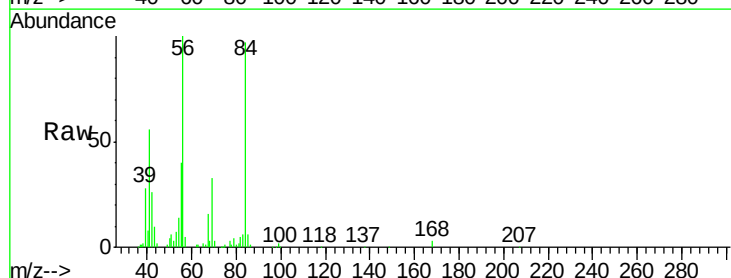
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

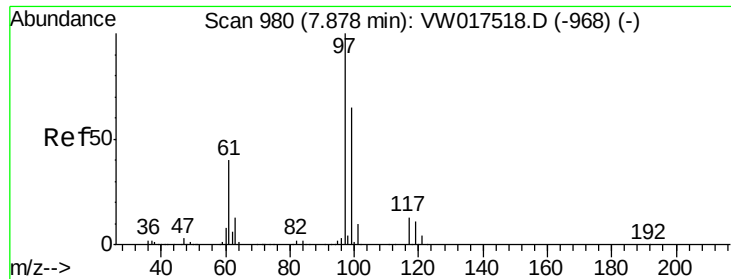
Tgt Ion: 62 Resp: 41897
 Ion Ratio Lower Upper
 62 100
 98 10.5 7.4 11.2



#29
 Cyclohexane
 Concen: 5.051 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion: 56 Resp: 49880
 Ion Ratio Lower Upper
 56 100
 69 32.4 24.8 37.2
 84 94.9 73.3 109.9

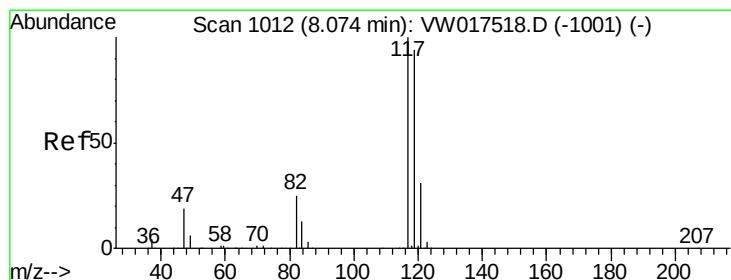
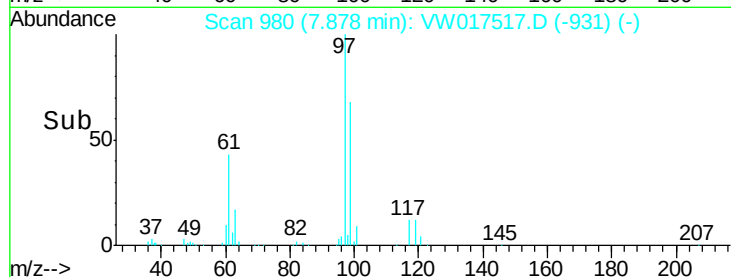
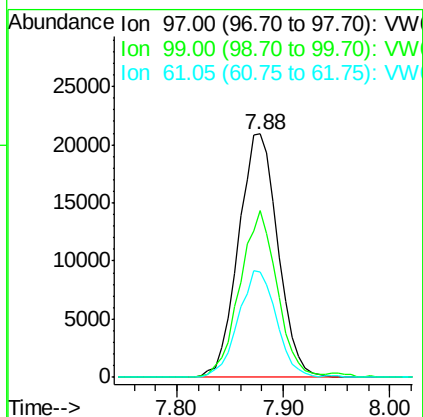
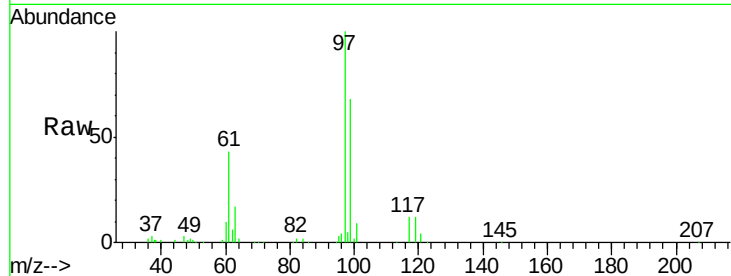




#30
 1,1,1-Trichloroethane
 Concen: 5.420 ug/L
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

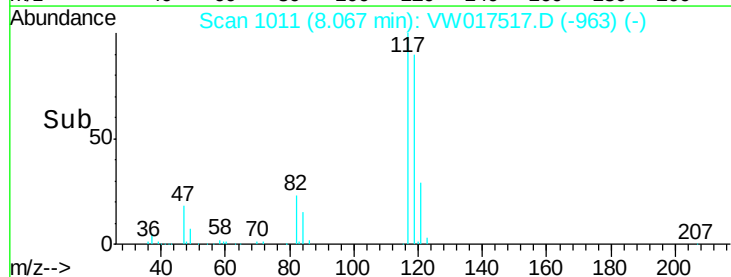
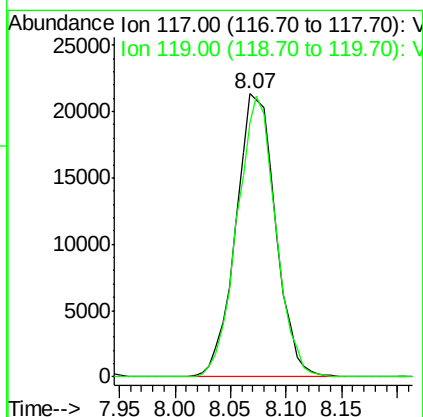
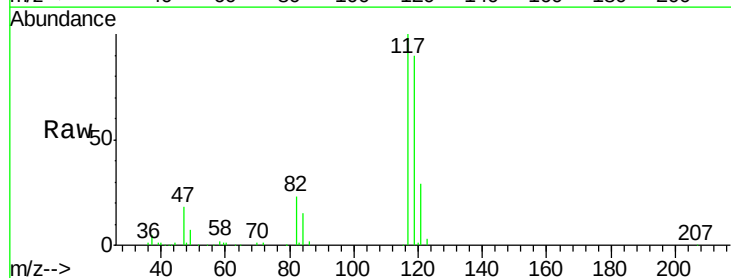
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD005103

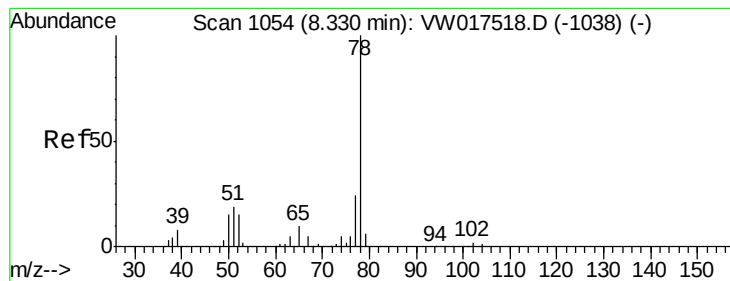
Tgt Ion: 97 Resp: 54540
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.0 76.4
 61 42.2 33.7 50.5



#31
 Carbon tetrachloride
 Concen: 5.410 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion: 117 Resp: 52999
 Ion Ratio Lower Upper
 117 100
 119 96.0 76.6 114.8





#33

Benzene

Concen: 5.403 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

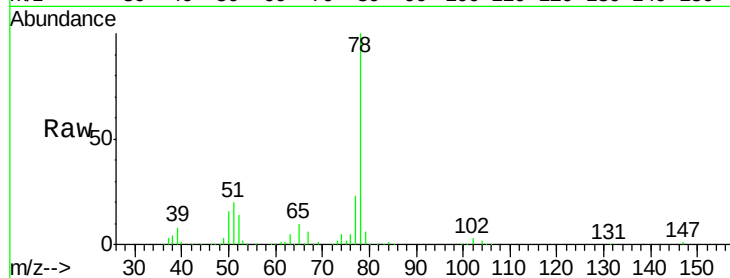
Instrument :

MSVOA_W

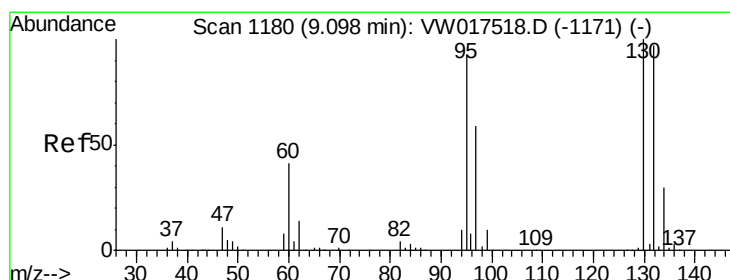
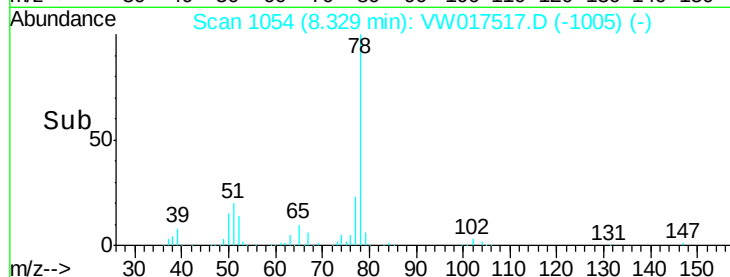
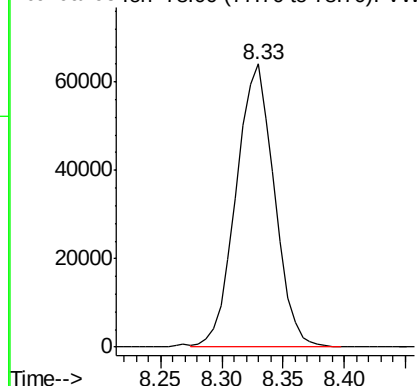
ClientSampleId :

VSTD005103

Tgt Ion: 78 Resp: 139069



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 5.193 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Tgt Ion: 95 Resp: 37766

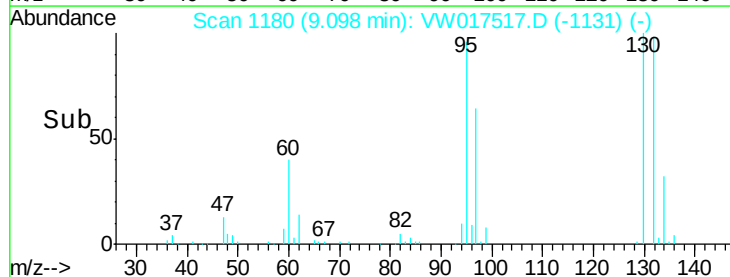
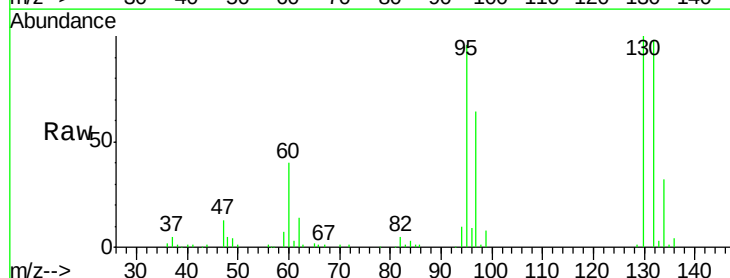
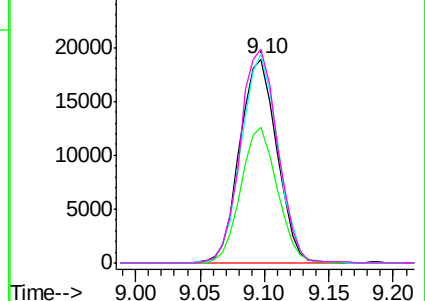
Ion	Ratio	Lower	Upper
95	100		
97	66.7	44.4	82.4
132	102.0	72.7	135.1
130	104.6	75.4	140.0

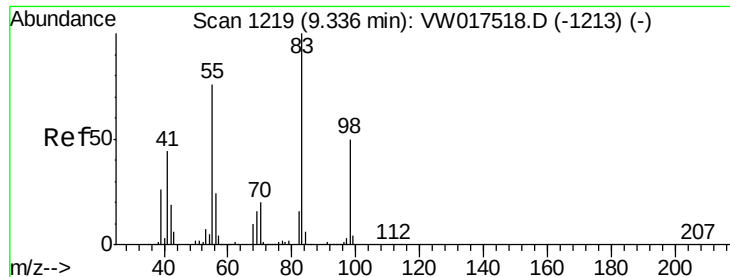
Abundance Ion 95.00 (94.70 to 95.70): VW

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

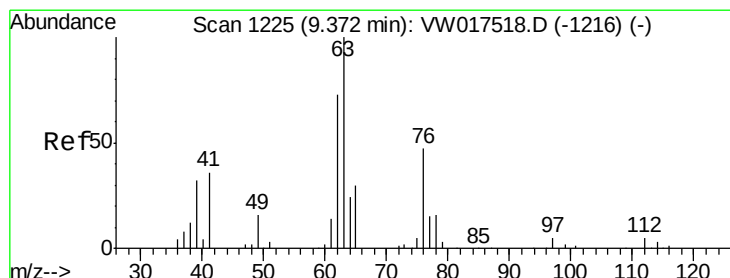
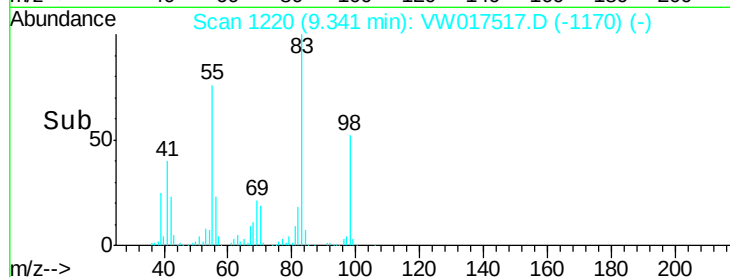
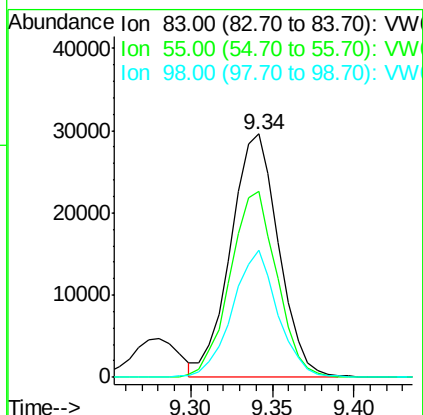
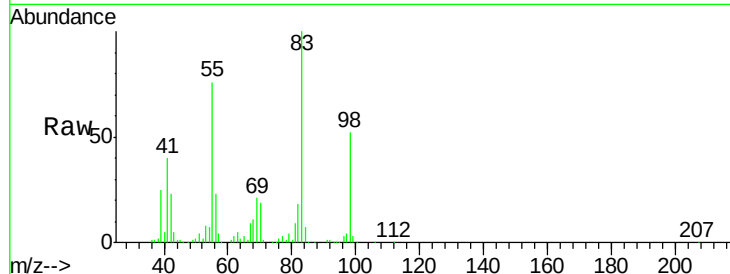




#35
Methylcyclohexane
Concen: 5.053 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

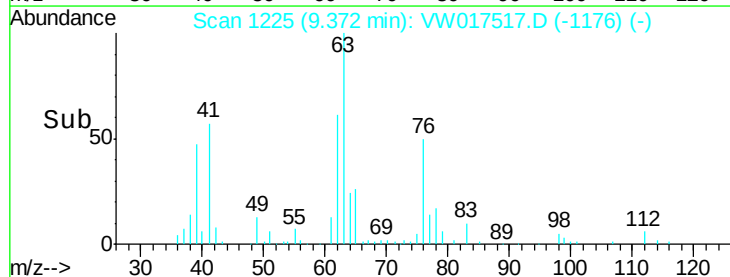
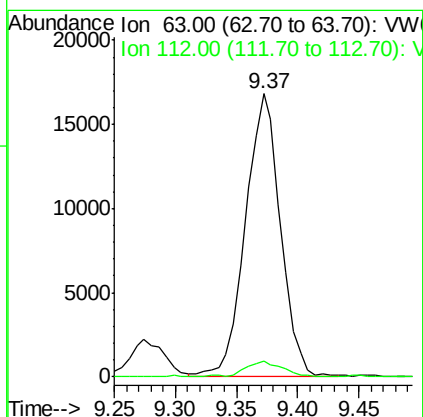
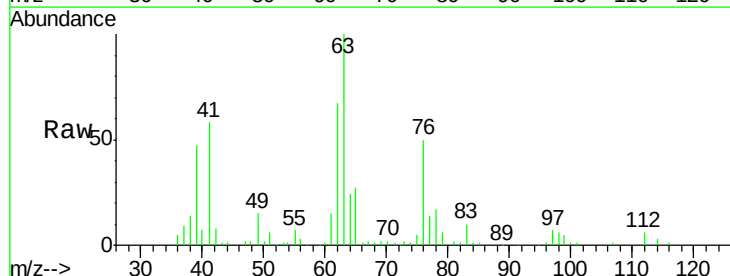
Instrument :
MSVOA_W
ClientSampled :
VSTD005103

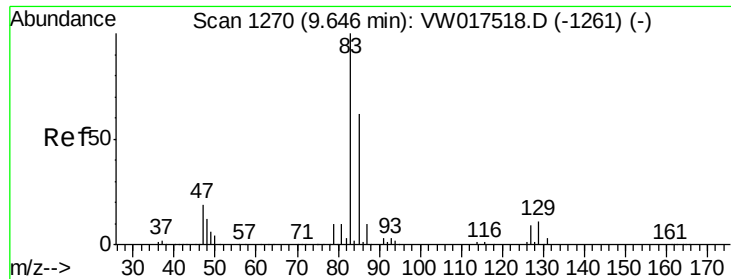
Tgt Ion: 83 Resp: 60716
Ion Ratio Lower Upper
83 100
55 74.6 58.2 87.2
98 49.6 39.9 59.9



#37
1,2-Dichloropropane
Concen: 5.641 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

Tgt Ion: 63 Resp: 33613
Ion Ratio Lower Upper
63 100
112 5.6 3.8 5.8





#38

Bromodichloromethane

Concen: 5.446 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

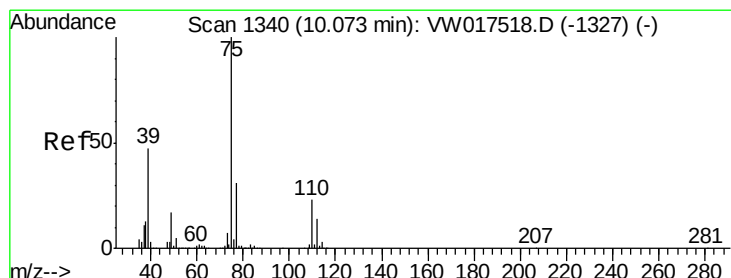
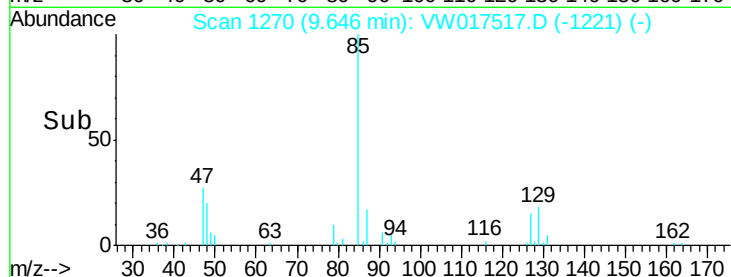
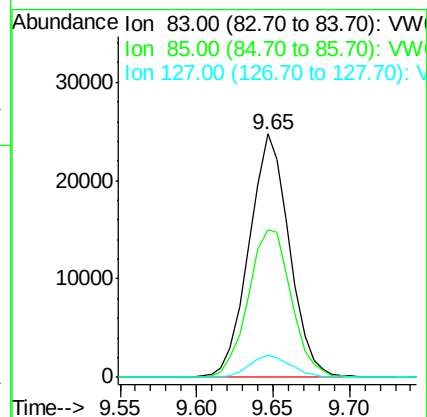
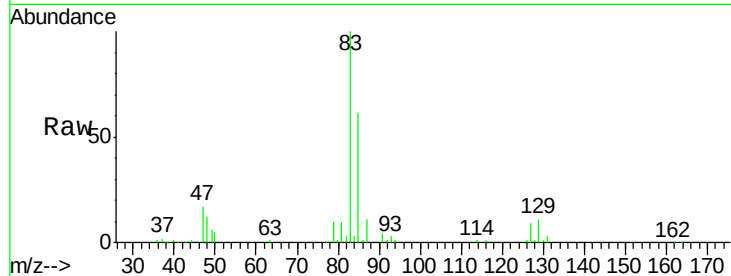
Tgt Ion: 83 Resp: 45395

Ion Ratio Lower Upper

83 100

85 60.5 43.3 80.5

127 8.9 7.2 10.8



#39

cis-1,3-Dichloropropene

Concen: 5.311 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017517.D

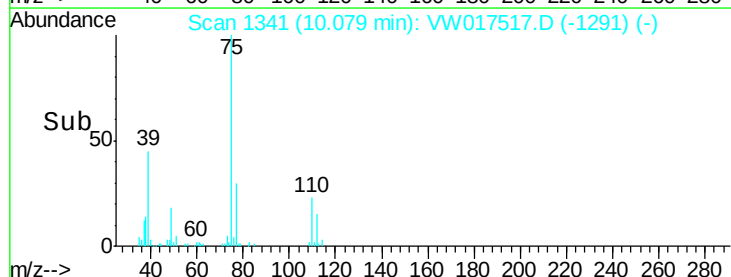
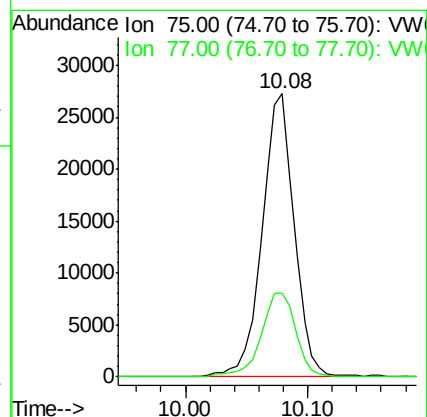
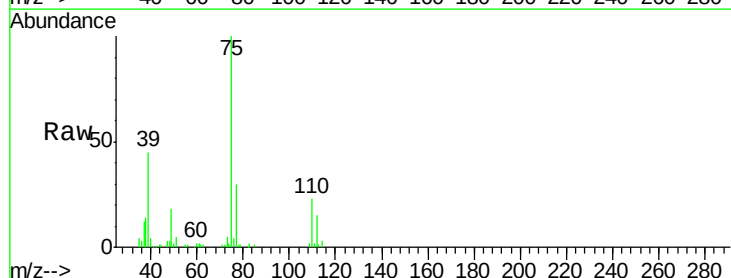
Acq: 02 Dec 2020 10:09

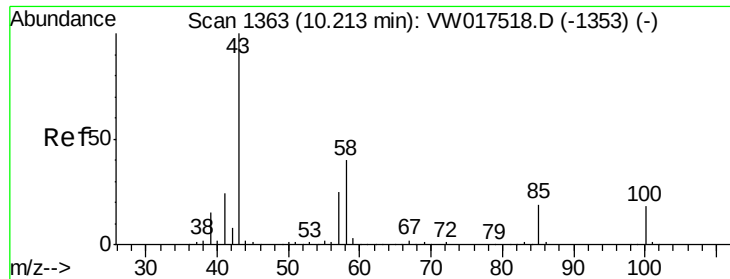
Tgt Ion: 75 Resp: 49859

Ion Ratio Lower Upper

75 100

77 29.8 21.5 39.9

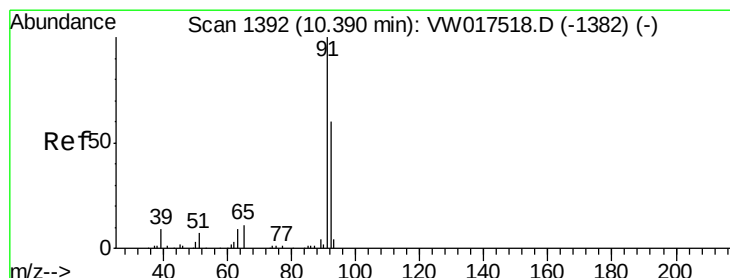
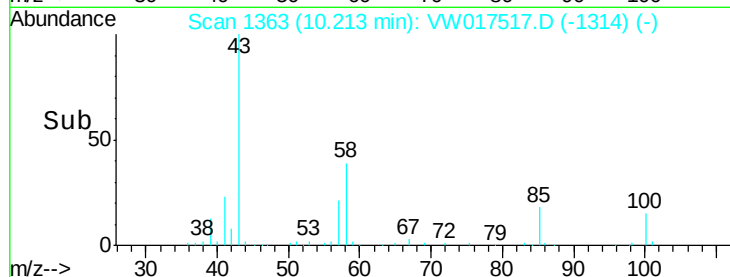
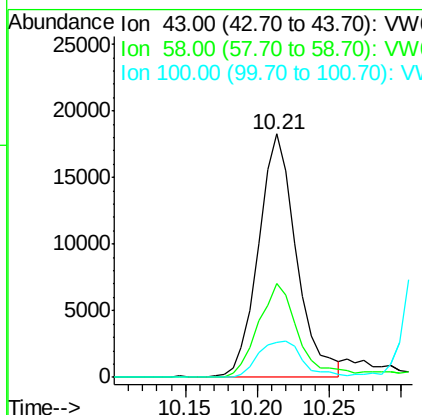
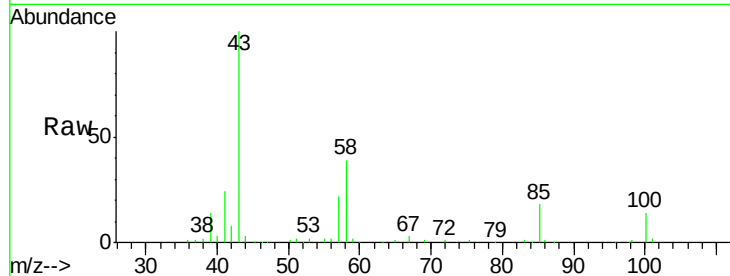




#40
4-Methyl-2-pentanone
Concen: 10.776 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

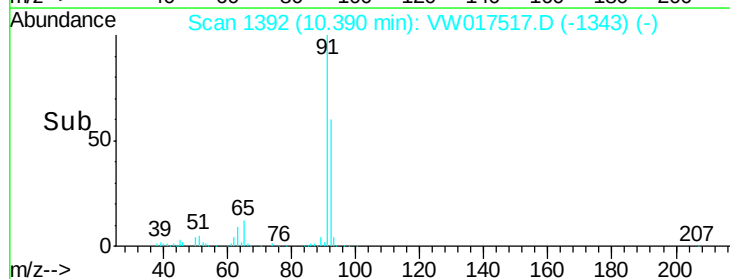
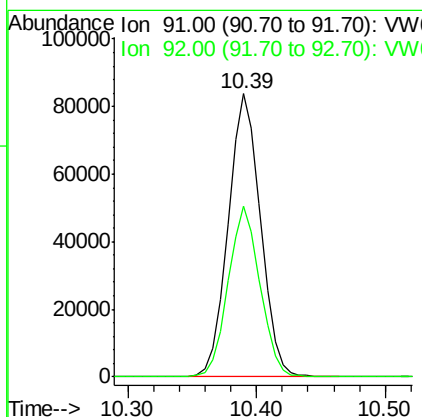
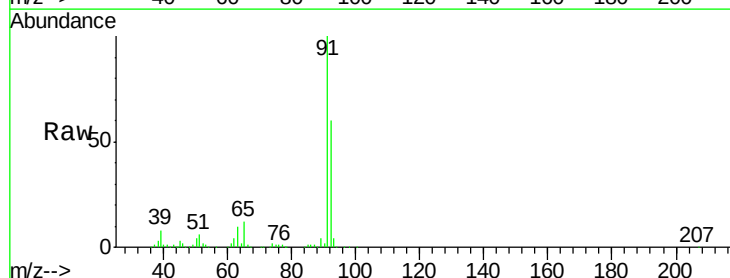
Instrument :
MSVOA_W
ClientSampleId :
VSTD005103

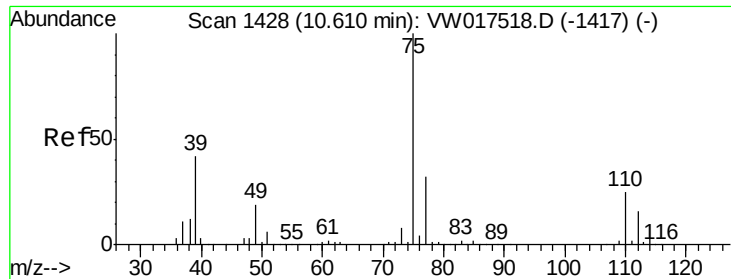
Tgt Ion: 43 Resp: 33159
Ion Ratio Lower Upper
43 100
58 39.2 30.8 46.2
100 16.7 12.9 19.3



#42
Toluene
Concen: 5.161 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

Tgt Ion: 91 Resp: 146479
Ion Ratio Lower Upper
91 100
92 60.2 42.3 78.5





#44

trans-1,3-Dichloropropene

Concen: 5.595 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

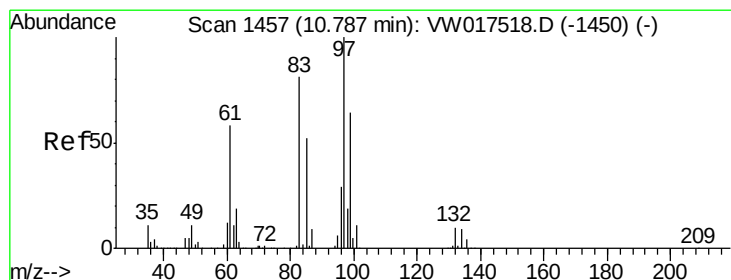
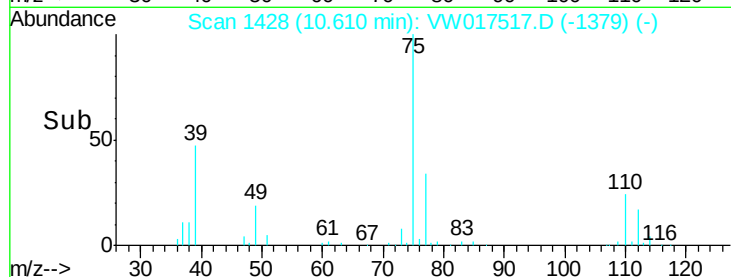
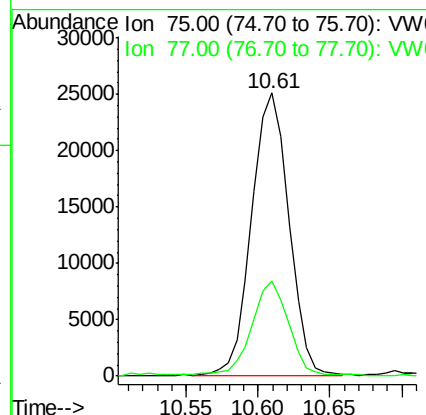
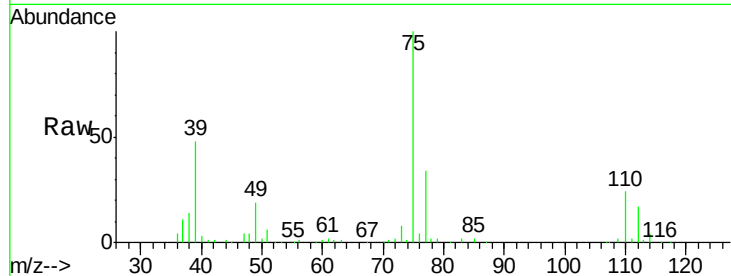
VSTD005103

Tgt Ion: 75 Resp: 45162

Ion Ratio Lower Upper

75 100

77 33.7 22.2 41.2



#45

1,1,2-Trichloroethane

Concen: 5.505 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Tgt Ion: 97 Resp: 26508

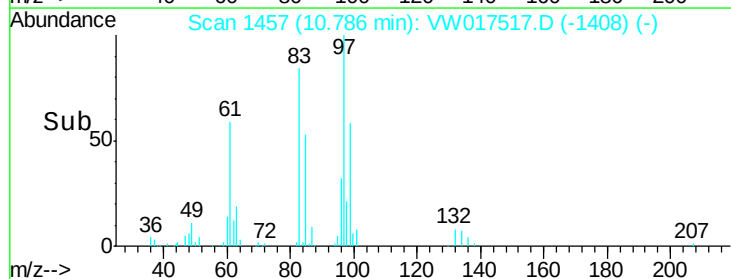
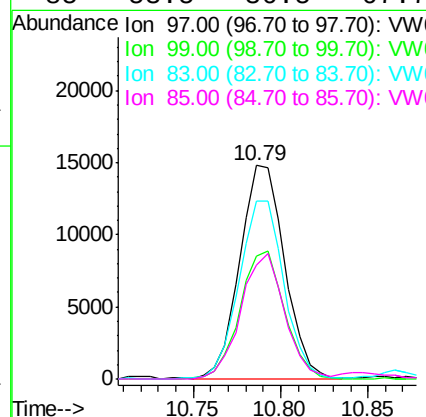
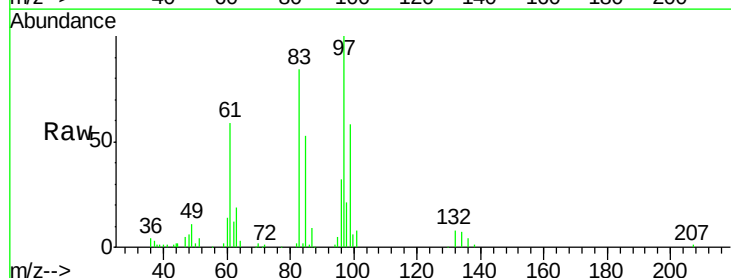
Ion Ratio Lower Upper

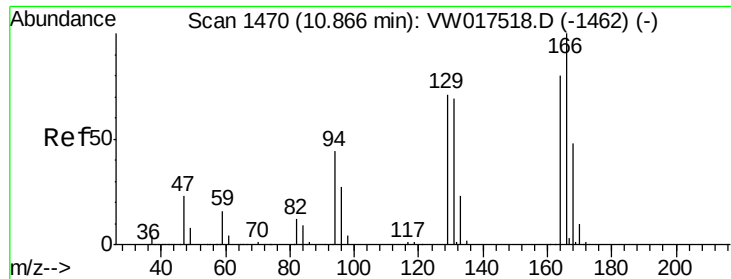
97 100

99 57.7 44.5 82.7

83 83.5 56.7 105.3

85 53.5 36.5 67.7





#46

Tetrachloroethene

Concen: 4.847 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

Tgt Ion:164 Resp: 31705

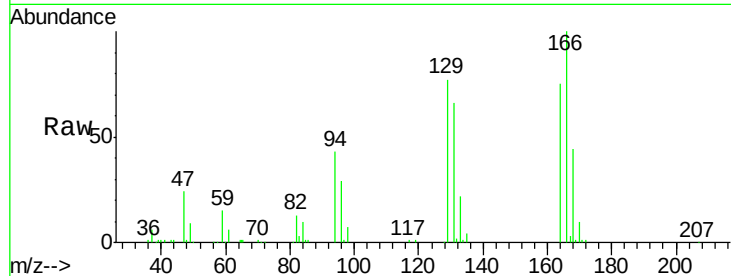
Ion Ratio Lower Upper

164 100

129 102.3 61.9 115.1

131 87.8 60.4 112.2

166 133.0 87.5 162.5

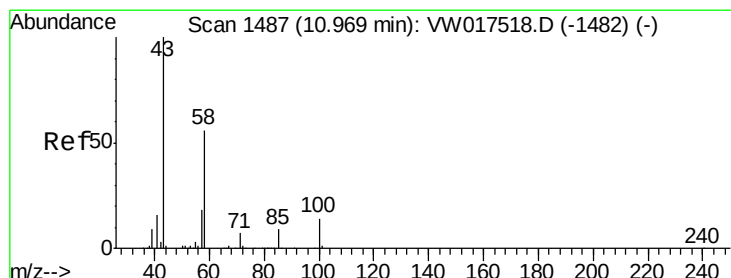
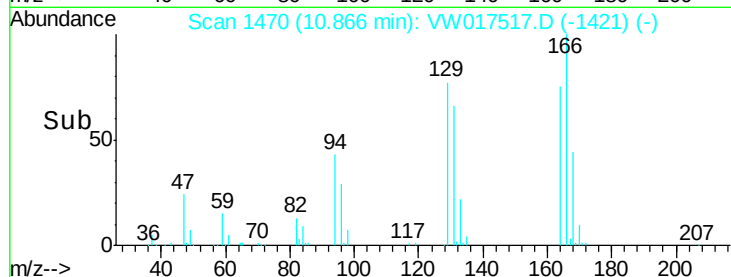
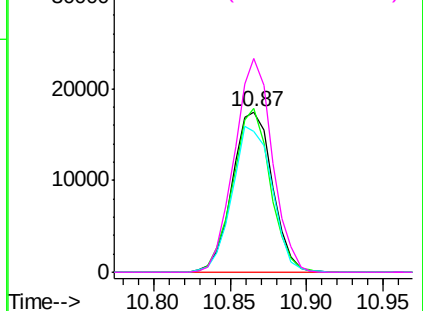


Abundance Ion 164.00 (163.70 to 164.70): V

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: 11.049 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Tgt Ion: 43 Resp: 23073

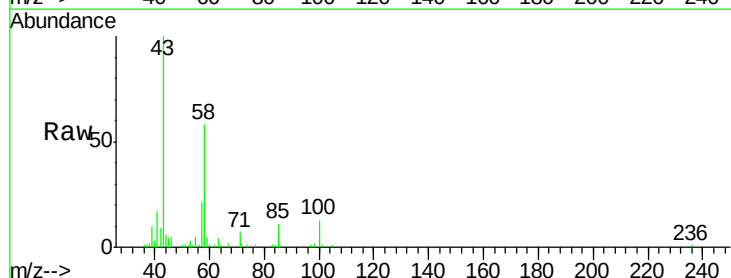
Ion Ratio Lower Upper

43 100

58 52.5 44.5 66.7

57 19.2 14.7 22.1

100 12.6 9.8 14.6

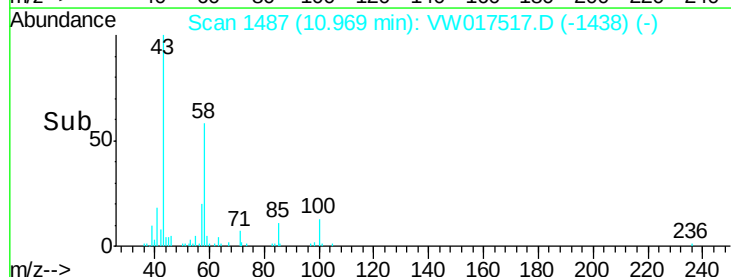
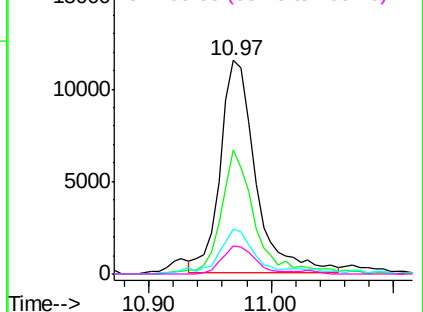


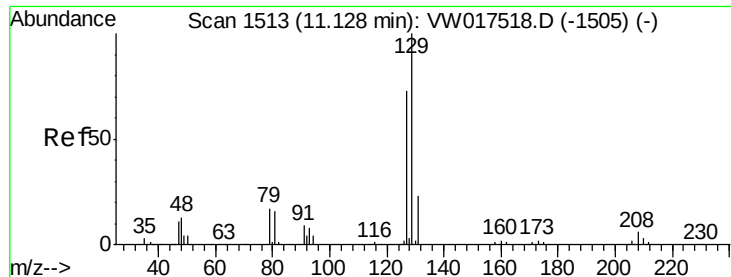
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 5.339 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

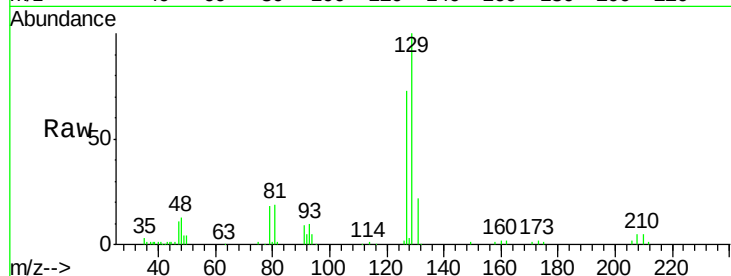
VSTD005103

Tgt Ion:129 Resp: 31713

Ion Ratio Lower Upper

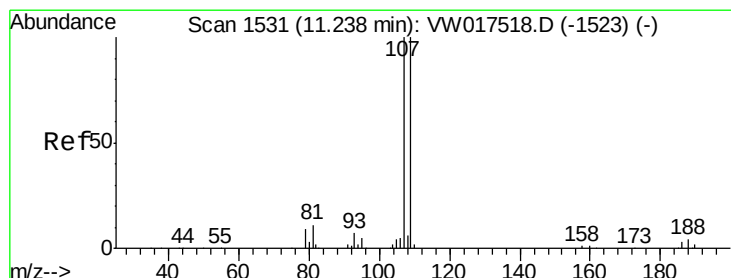
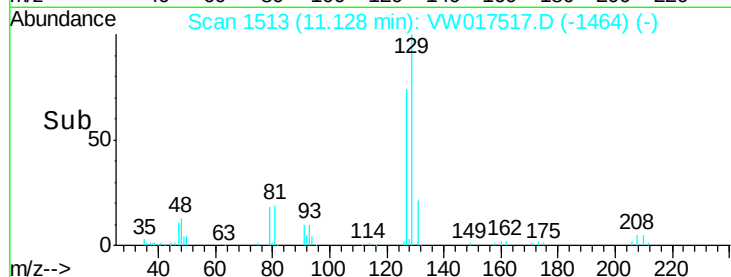
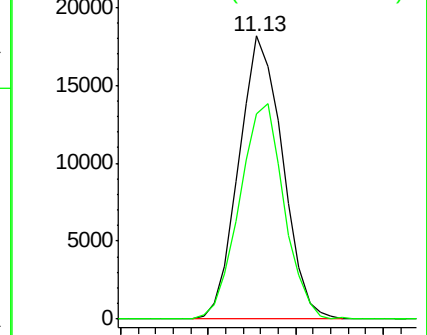
129 100

127 72.7 51.2 95.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 5.525 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

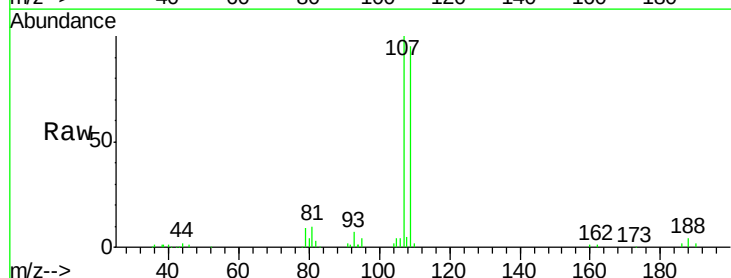
Tgt Ion:107 Resp: 25548

Ion Ratio Lower Upper

107 100

109 95.3 70.1 130.1

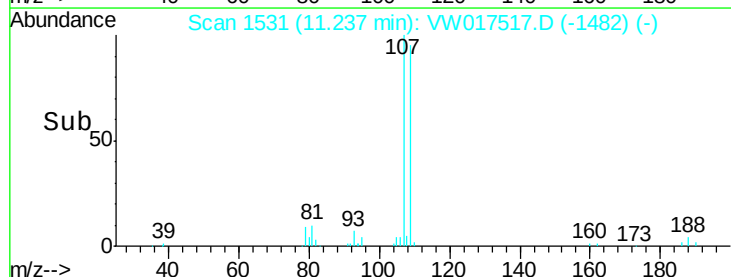
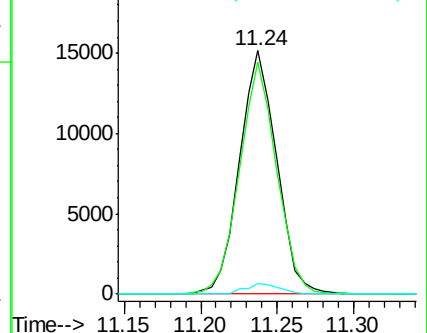
188 4.4 3.0 4.4

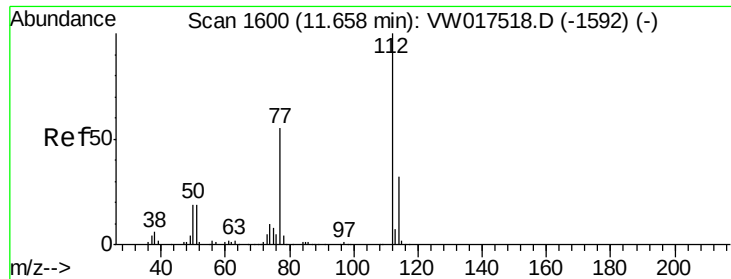


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

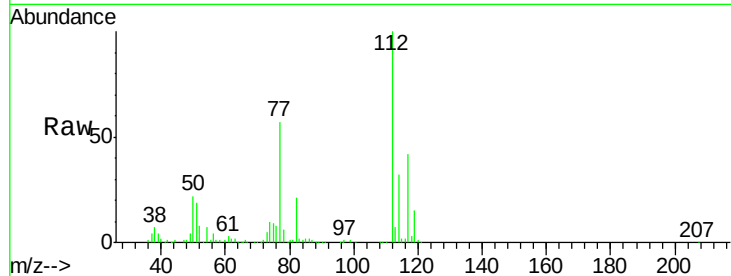




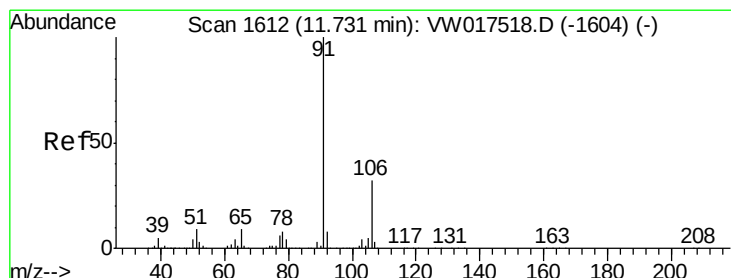
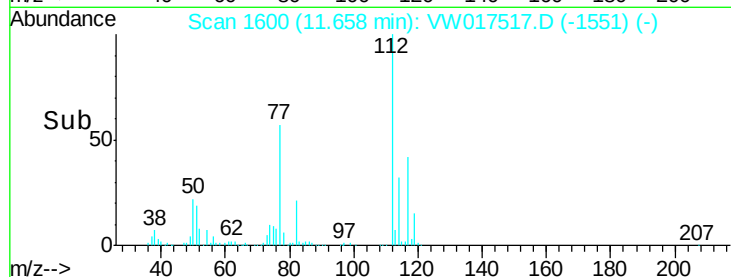
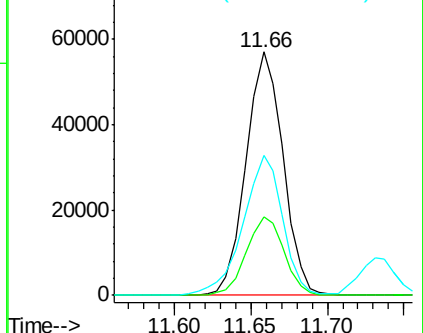
#51
Chlorobenzene
Concen: 5.066 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD005103

Tgt Ion: 112 Resp: 96167
Ion Ratio Lower Upper
112 100
114 32.0 22.6 42.0
77 57.4 44.3 66.5

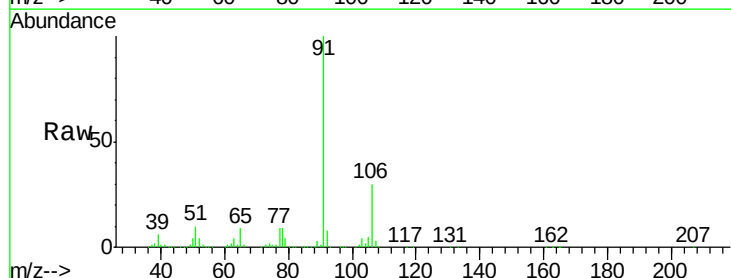


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VW

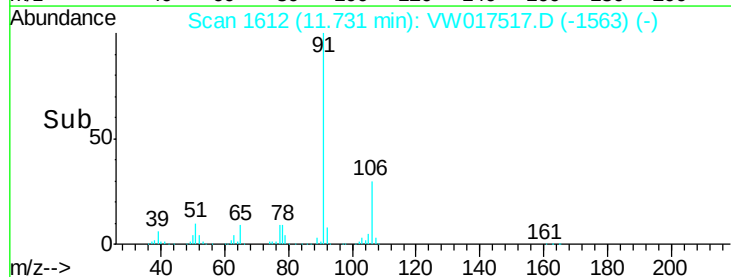
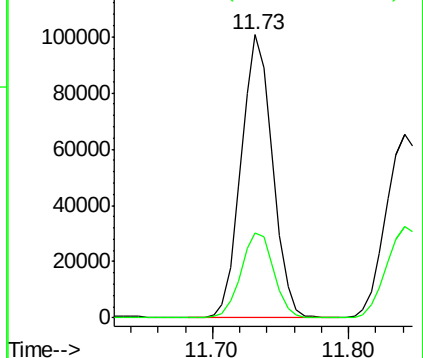


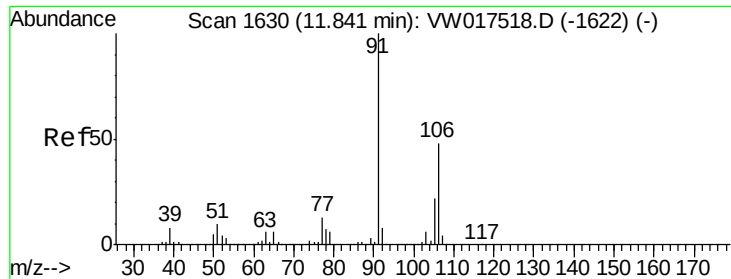
#52
Ethylbenzene
Concen: 5.078 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017517.D
Acq: 02 Dec 2020 10:09

Tgt Ion: 91 Resp: 162640
Ion Ratio Lower Upper
91 100
106 29.9 22.3 41.3



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





#53

m,p-Xylene

Concen: 4.971 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

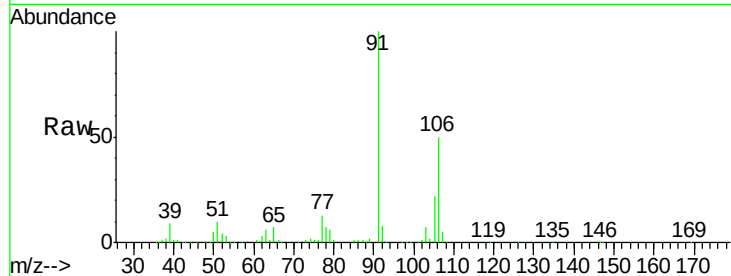
VSTD005103

Tgt Ion:106 Resp: 61610

Ion Ratio Lower Upper

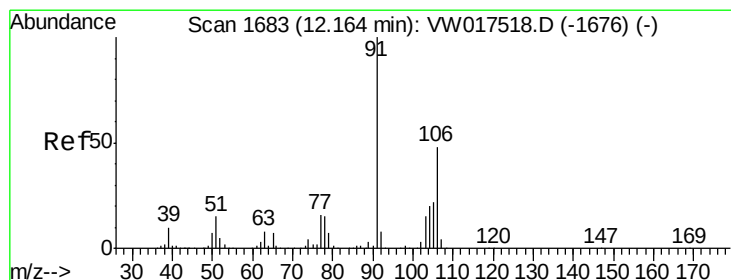
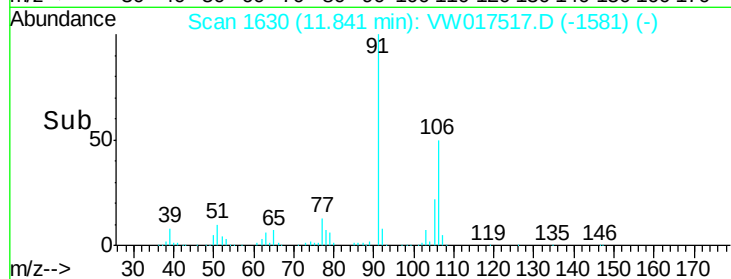
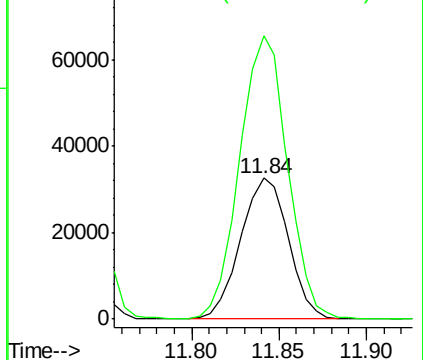
106 100

91 200.8 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 4.939 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017517.D

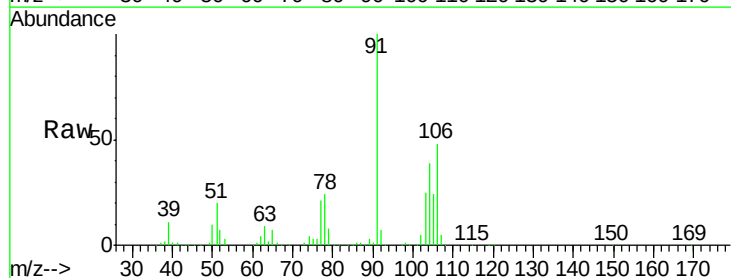
Acq: 02 Dec 2020 10:09

Tgt Ion:106 Resp: 58018

Ion Ratio Lower Upper

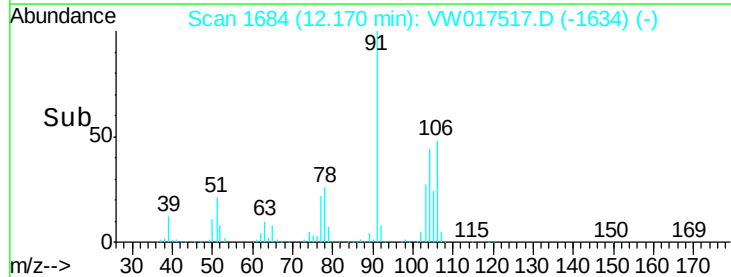
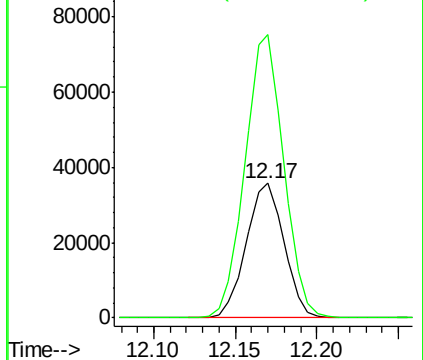
106 100

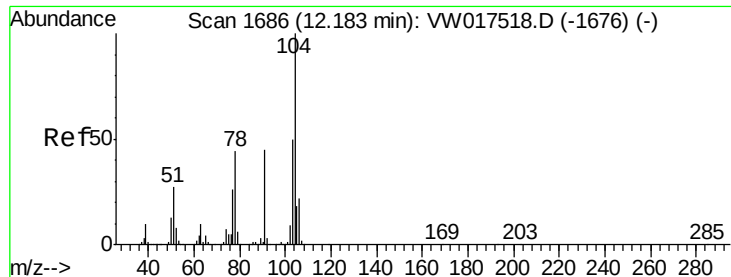
91 210.1 146.0 271.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 4.984 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

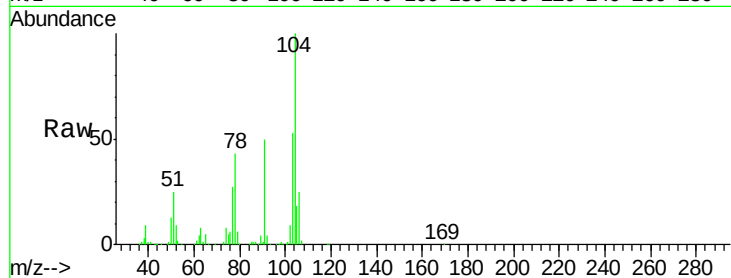
VSTD005103

Tgt Ion:104 Resp: 97773

Ion Ratio Lower Upper

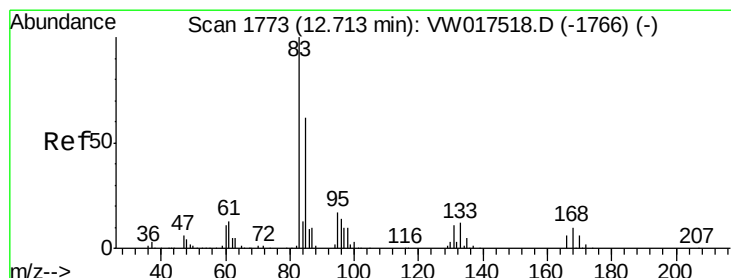
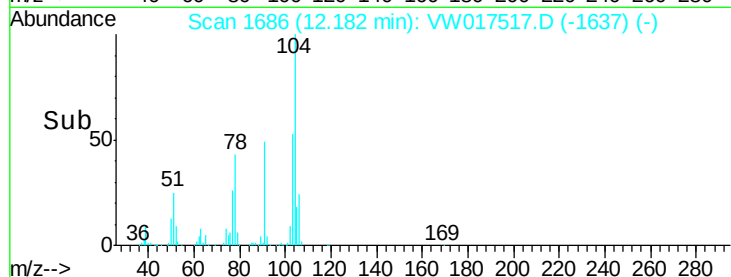
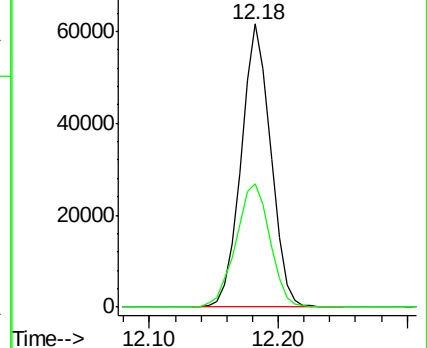
104 100

78 43.5 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 5.741 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

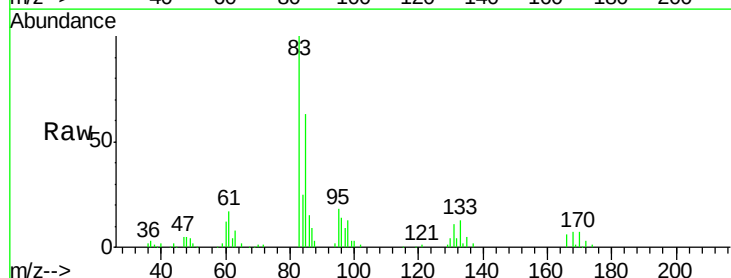
Tgt Ion: 83 Resp: 30366

Ion Ratio Lower Upper

83 100

85 63.4 43.3 80.3

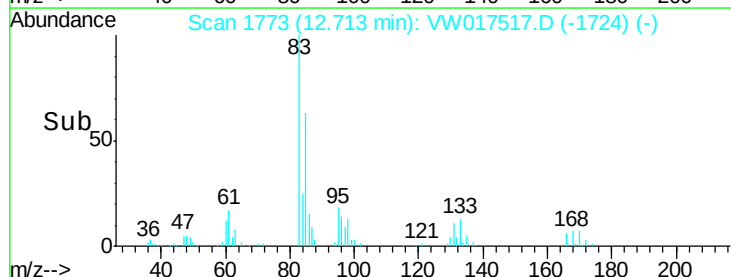
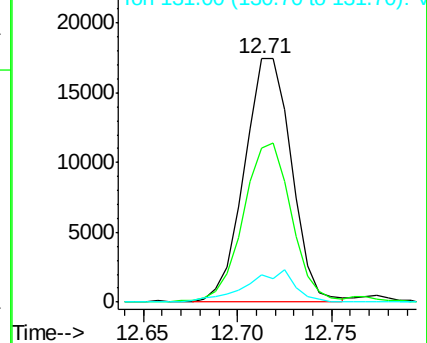
131 11.2 9.1 13.7

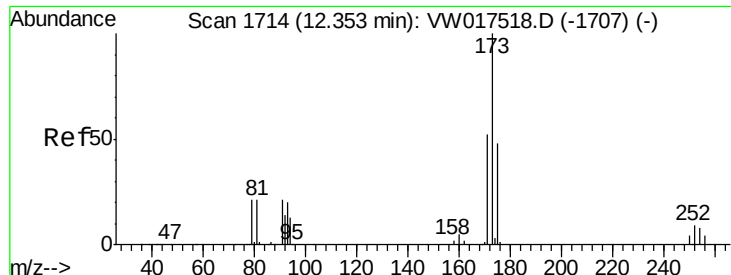


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

Bromoform

Concen: 5.283 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

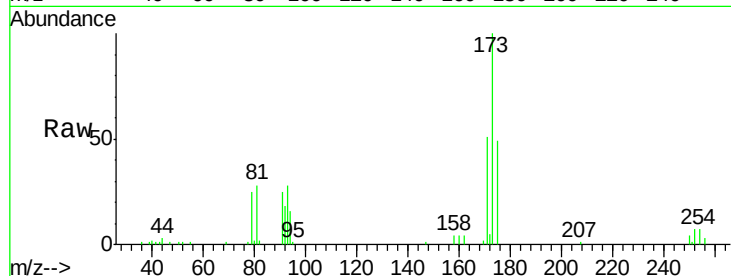
Tgt Ion:173 Resp: 17985

Ion Ratio Lower Upper

173 100

175 47.9 38.9 58.3

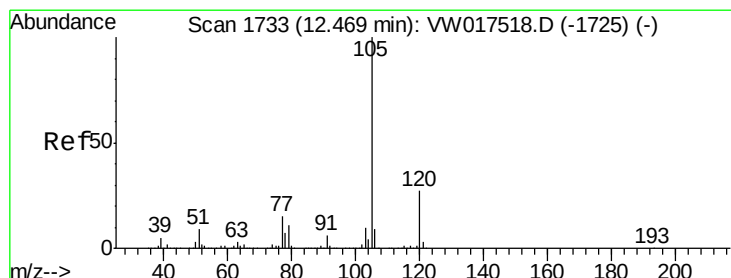
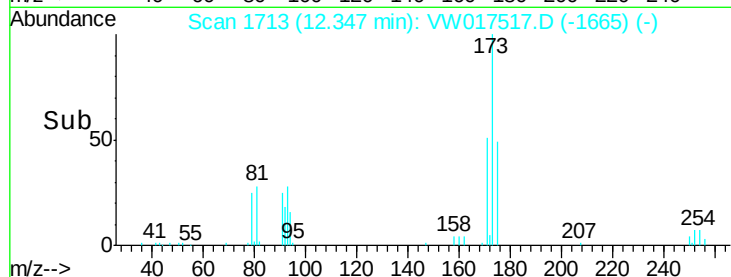
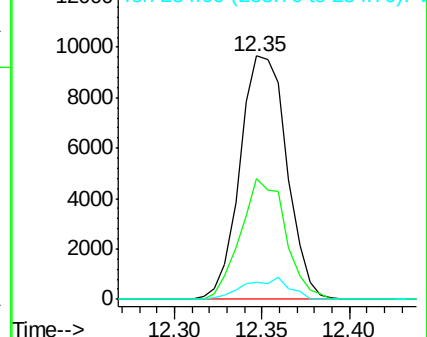
254 5.2 6.7 10.1#



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: 5.141 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

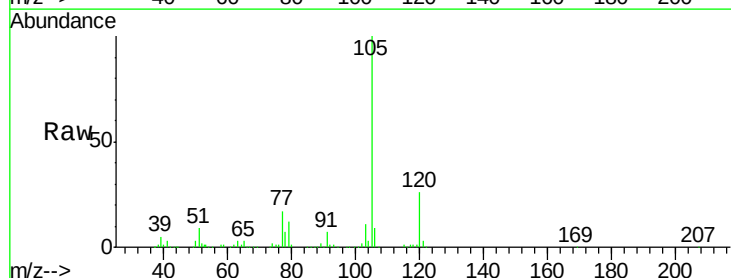
Tgt Ion:105 Resp: 159864

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

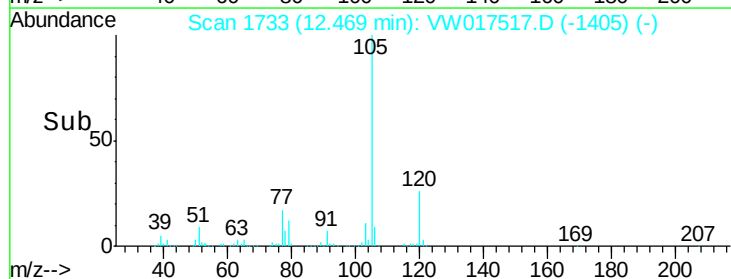
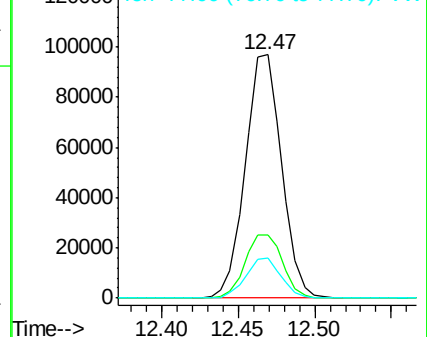
77 16.2 12.2 18.4

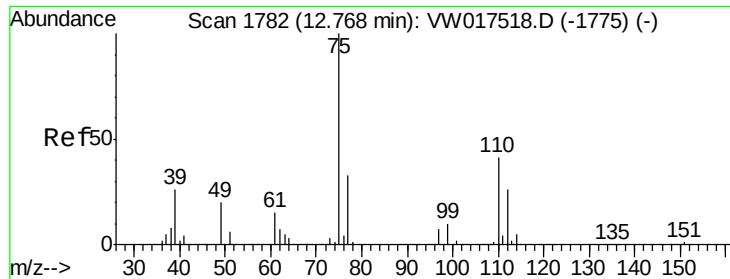


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

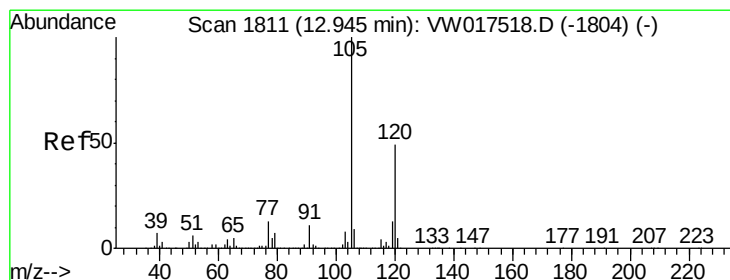
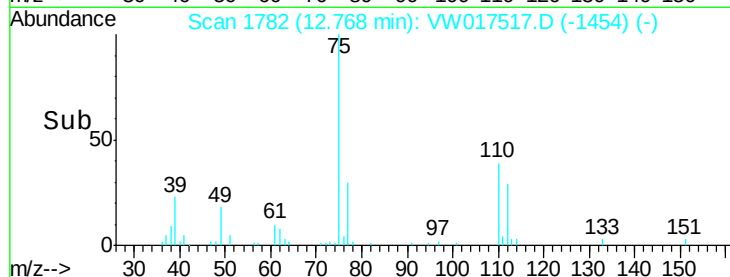
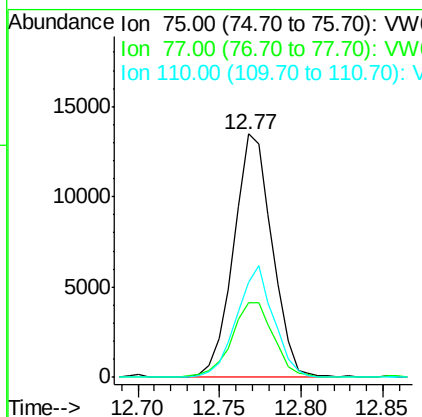
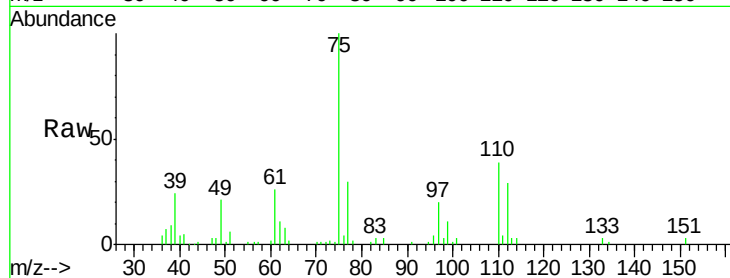




#61
 1,2,3-Trichloropropane
 Concen: 5.851 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

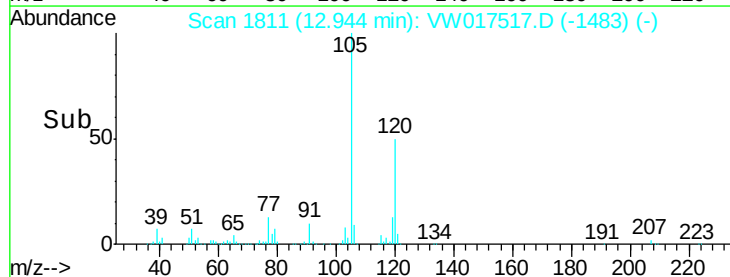
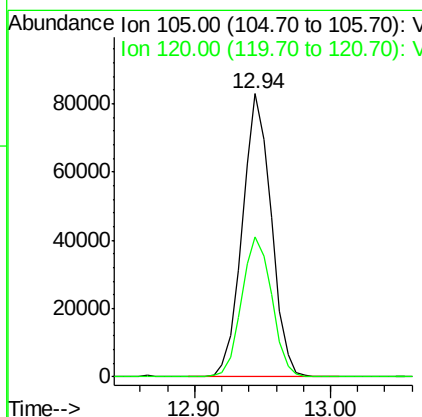
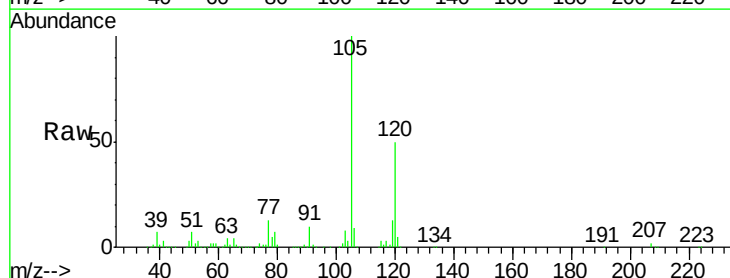
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

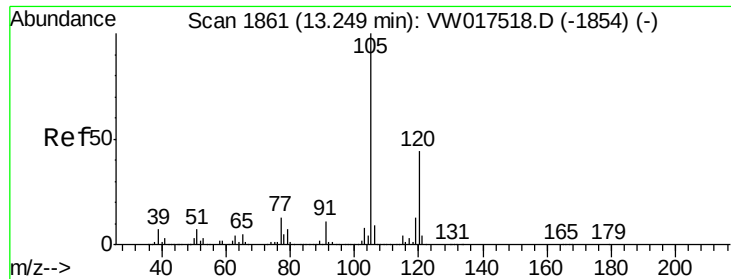
Tgt Ion: 75 Resp: 22189
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.6 40.0
 110 43.9 34.4 51.6



#62
 1,3,5-Trimethylbenzene
 Concen: 4.797 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion: 105 Resp: 123343
 Ion Ratio Lower Upper
 105 100
 120 51.5 38.9 58.3

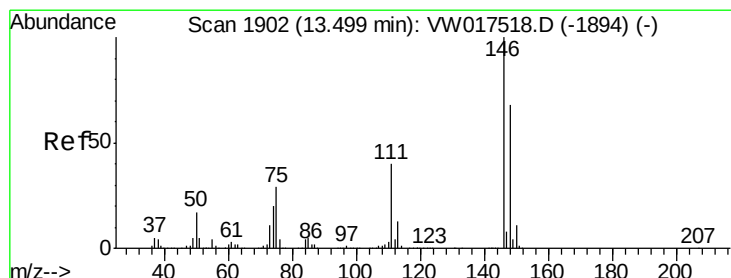
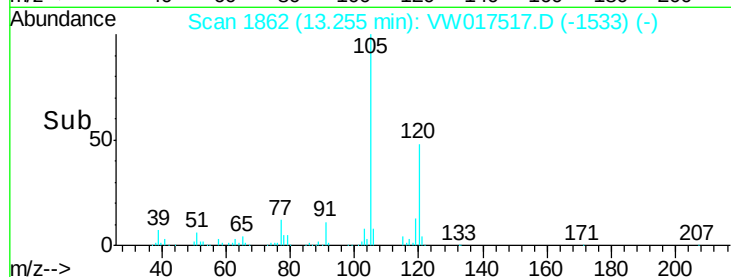
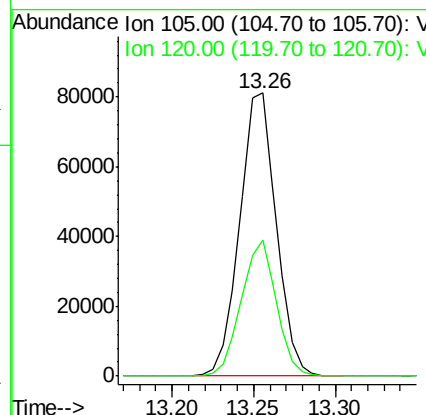
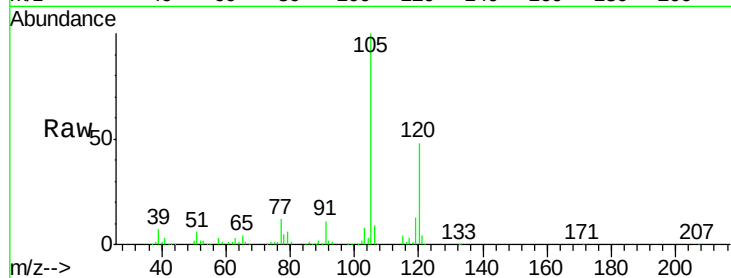




#63
 1,2,4-Trimethylbenzene
 Concen: 5.193 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

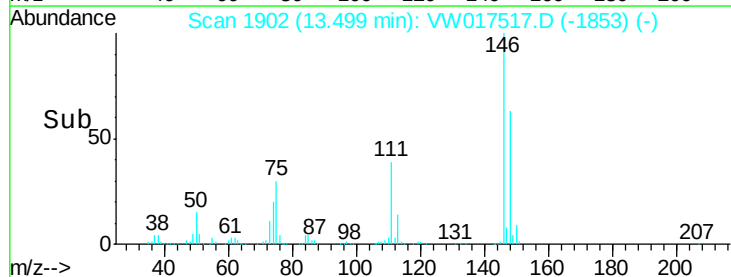
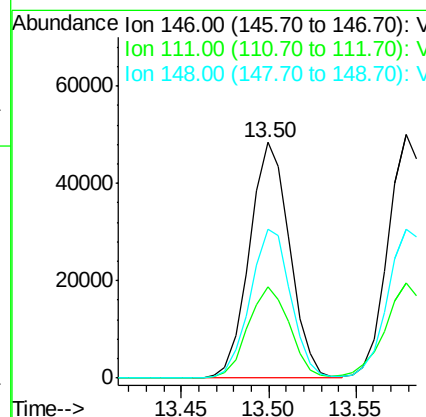
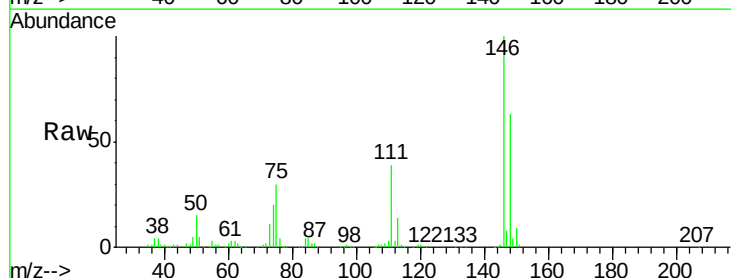
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

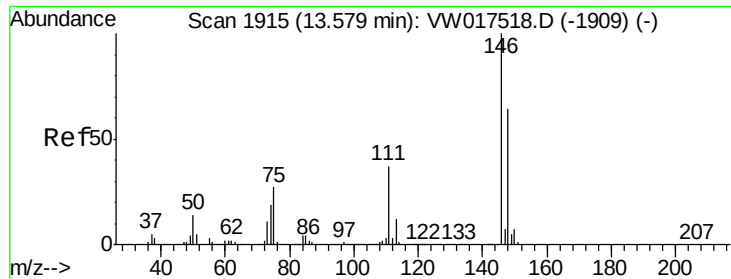
Tgt Ion:105 Resp: 126892
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.8 55.2



#64
 1,3-Dichlorobenzene
 Concen: 5.160 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion:146 Resp: 77352
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.9 51.9
 148 63.1 47.3 87.8

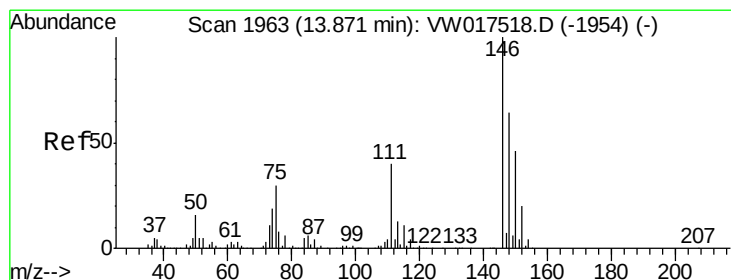
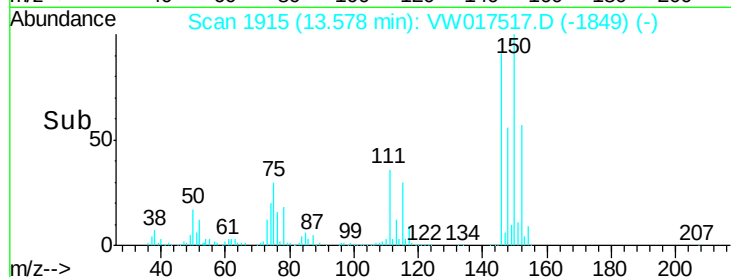
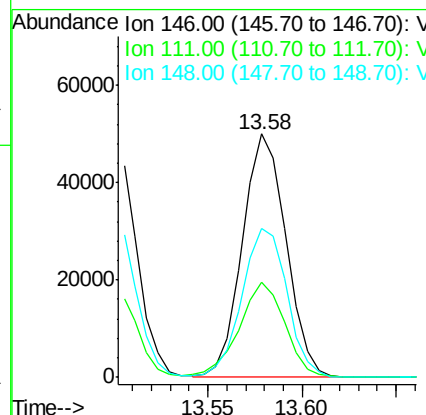
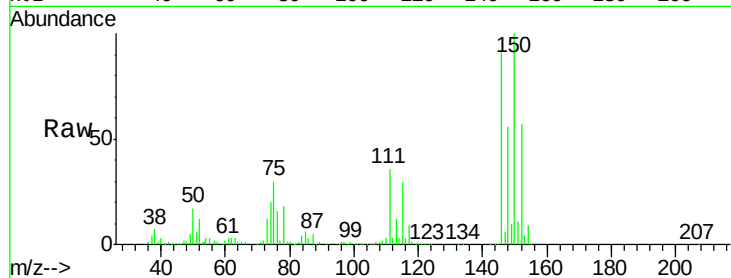




#65
 1,4-Dichlorobenzene
 Concen: 5.410 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

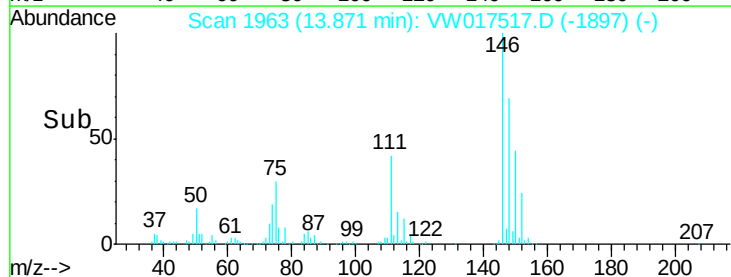
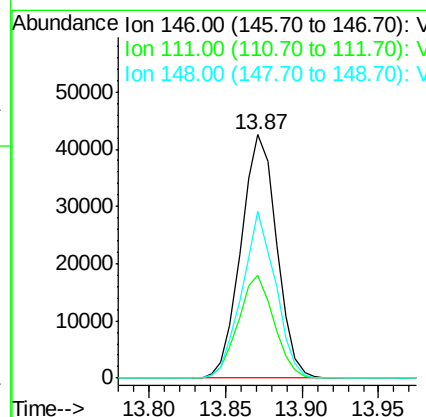
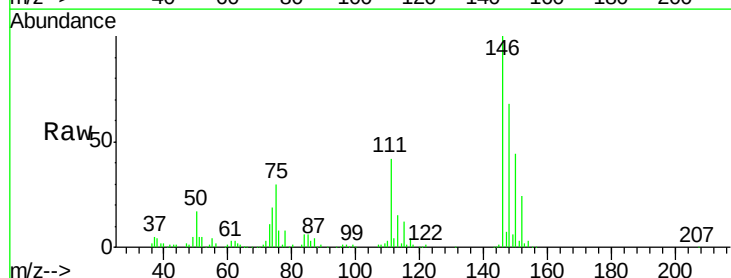
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

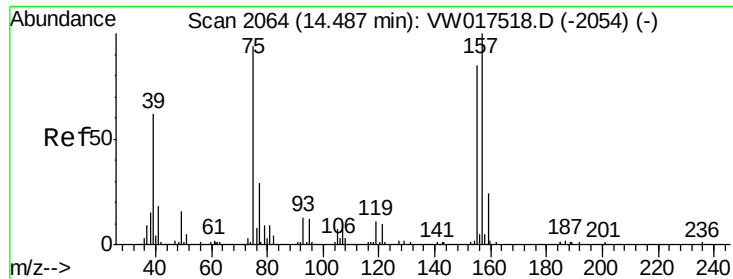
Tgt Ion:146 Resp: 80623
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.3 48.9
 148 61.4 44.9 83.3



#67
 1,2-Dichlorobenzene
 Concen: 5.270 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion:146 Resp: 68905
 Ion Ratio Lower Upper
 146 100
 111 42.2 32.4 48.6
 148 68.3 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 6.106 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD005103

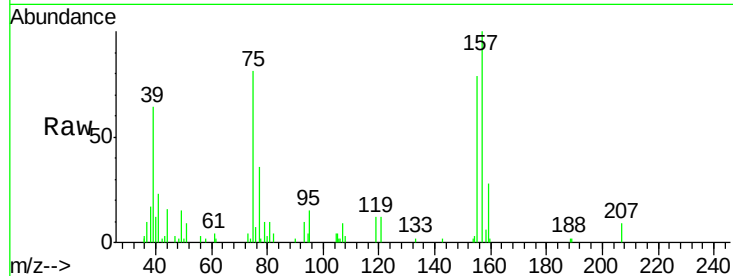
Tgt Ion: 75 Resp: 4922

Ion Ratio Lower Upper

75 100

155 98.1 72.6 109.0

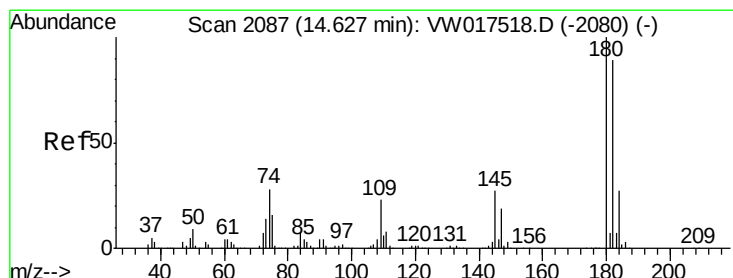
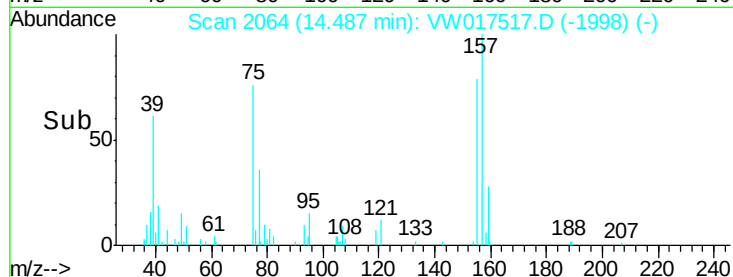
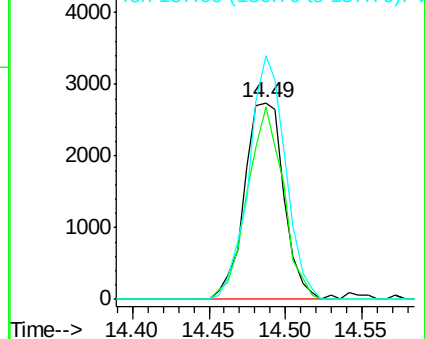
157 124.0 85.2 127.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#69

1,3,5-Trichlorobenzene

Concen: 4.992 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017517.D

Acq: 02 Dec 2020 10:09

Tgt Ion: 180 Resp: 54969

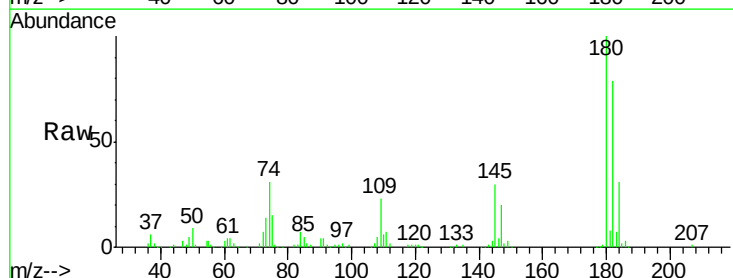
Ion Ratio Lower Upper

180 100

182 92.6 74.9 112.3

184 31.3 23.8 35.6

145 31.1 23.1 34.7

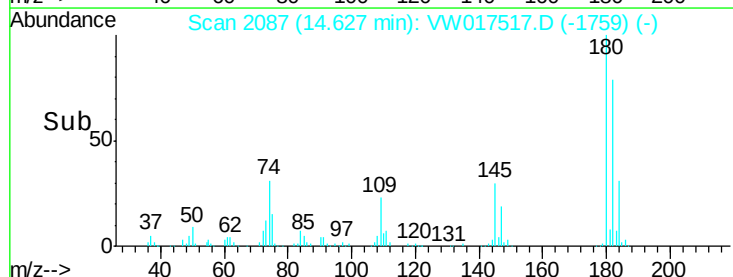
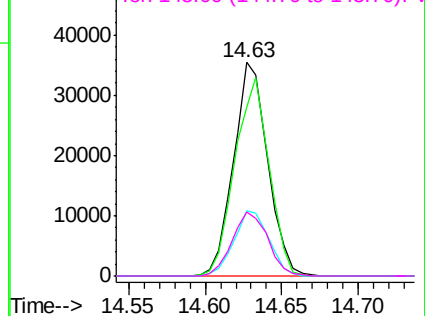


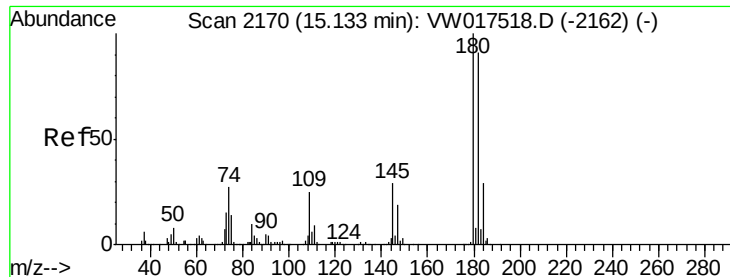
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

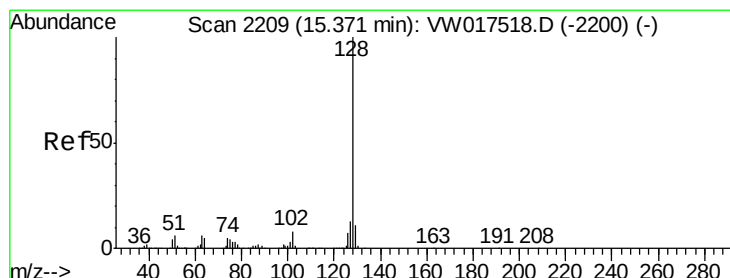
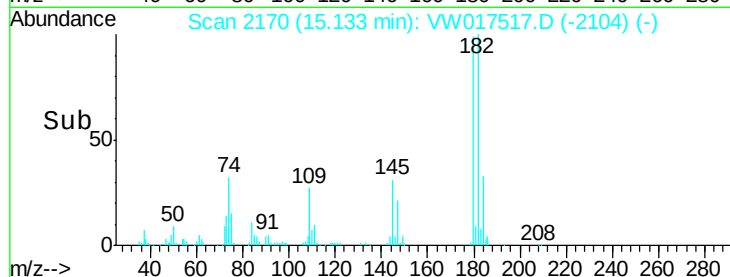
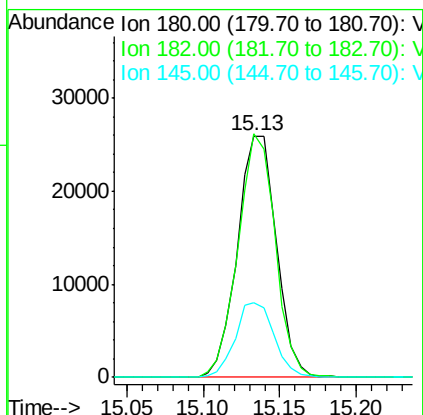
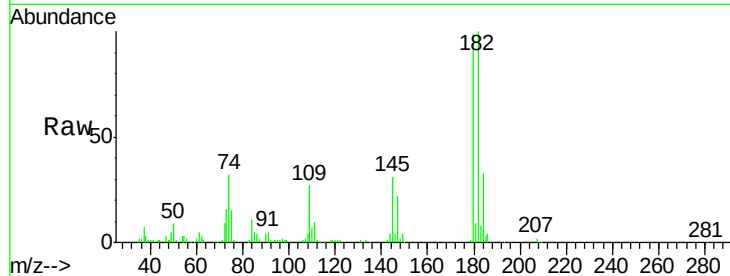




#70
 1,2,4-trichlorobenzene
 Concen: 5.193 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

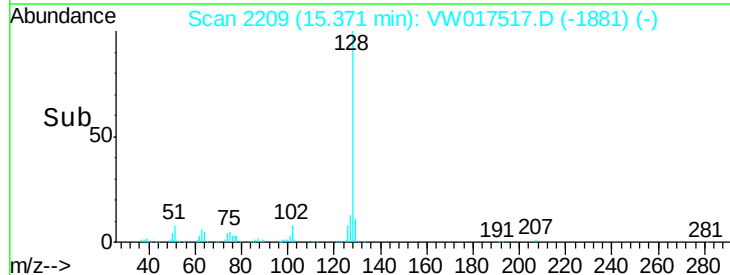
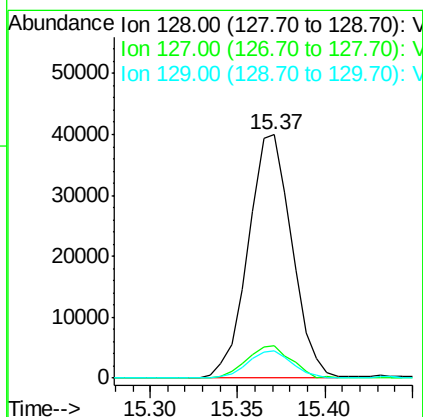
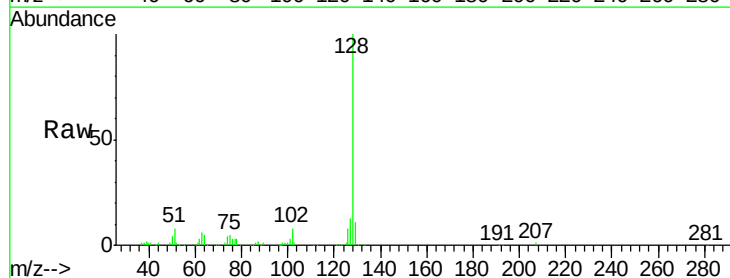
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

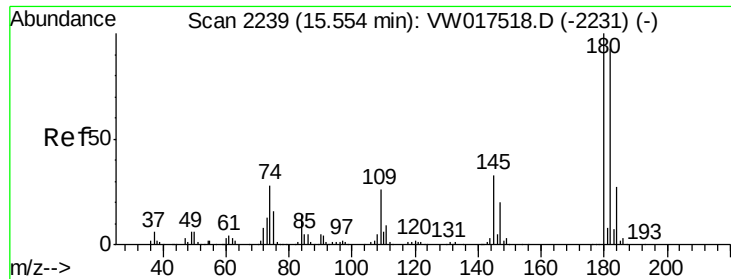
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	30.9	24.5	36.7



#71
 Naphthalene
 Concen: 4.782 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.6	8.7	13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 5.255 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW017517.D
 Acq: 02 Dec 2020 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005103

Tgt Ion:	180	Resp:	39917
Ion	Ratio	Lower	Upper
180	100		
182	97.7	79.0	118.6
145	32.4	26.8	40.2

