

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120220\
 Data File : VW017516.D
 Acq On : 02 Dec 2020 09:46
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

Quant Time: Dec 02 11:11:55 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	532680	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	491517	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	245549	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	19070	3.72	ug/L	0.00
7) Chloroethane-d5	2.90	69	14847	3.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.04	63	38961	3.43	ug/L	0.01
21) 2-Butanone-d5	7.09	46	9513	7.46	ug/L	0.00
24) Chloroform-d	7.65	84	38698	3.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20785	3.63	ug/L	0.00
32) Benzene-d6	8.28	84	72367	3.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	20838	3.28	ug/L	0.00
41) Toluene-d8	10.33	98	63682	2.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.59	79	8969	3.19	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	4889	5.02	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	16337	3.26	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	24348	3.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.03	85	10268	1.727 ug/L	97
3) Chloromethane	2.22	50	12530	2.410 ug/L	95
5) Vinyl chloride	2.37	62	17226	2.667 ug/L	98
6) Bromomethane	2.79	94	12039	2.381 ug/L	99
8) Chloroethane	2.93	64	10781	2.440 ug/L	93
9) Trichlorofluoromethane	3.27	101	15268	2.844 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	11065	1.547 ug/L #	83
12) 1,1-Dichloroethene	4.05	96	18312	2.723 ug/L	98
13) Acetone	4.14	43	6826	6.118 ug/L	95
14) Carbon disulfide	4.40	76	50331	2.685 ug/L	97
15) Methyl Acetate	4.68	43	6244	2.711 ug/L #	80
16) Methylene chloride	4.92	84	15839	2.070 ug/L	86
17) trans-1,2-Dichloroethene	5.43	96	18315	2.554 ug/L	98
18) Methyl tert-butyl Ether	5.43	73	20382	2.654 ug/L #	83
19) 1,1-Dichloroethane	6.23	63	31884	2.818 ug/L	98
20) cis-1,2-Dichloroethene	7.18	96	18878	2.569 ug/L	94
22) 2-Butanone	7.18	43	7280	4.778 ug/L	90
23) Bromochloromethane	7.52	128	9201	2.652 ug/L	89
25) Chloroform	7.68	83	34256	2.816 ug/L	92
27) 1,2-Dichloroethane	8.40	62	21235	2.895 ug/L	100
29) Cyclohexane	7.96	56	25538	2.515 ug/L	97
30) 1,1,1-Trichloroethane	7.88	97	29283	2.830 ug/L	97
31) Carbon tetrachloride	8.07	117	27582	2.738 ug/L	100
33) Benzene	8.32	78	71525	2.703 ug/L	100
34) Trichloroethene	9.10	95	20298	2.714 ug/L	95
35) Methylcyclohexane	9.34	83	30274	2.450 ug/L	93
37) 1,2-Dichloropropane	9.37	63	17724	2.893 ug/L #	97
38) Bromodichloromethane	9.65	83	24317	2.837 ug/L	99
39) cis-1,3-Dichloropropene	10.08	75	25211	2.612 ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	19284	6.094 ug/L	95

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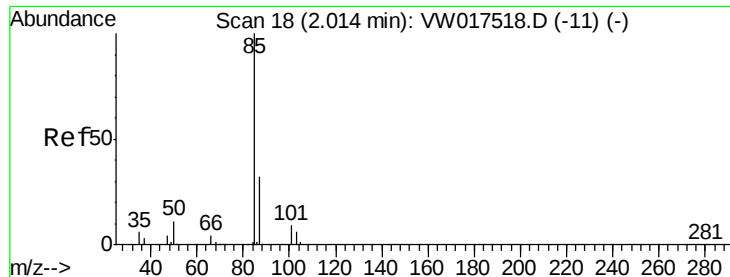
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

Quant Time: Dec 02 11:11:55 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)

42) Toluene	10.39	91	74835	2.564	ug/L	97
44) trans-1,3-Dichloropropene	10.61	75	22375	2.696	ug/L	92
45) 1,1,2-Trichloroethane	10.79	97	13645	2.756	ug/L	98
46) Tetrachloroethene	10.87	164	16430	2.443	ug/L	93
48) 2-Hexanone	10.97	43	11074	5.157	ug/L	94
49) Dibromochloromethane	11.13	129	15854	2.596	ug/L	90
50) 1,2-Dibromoethane	11.24	107	13083	2.752	ug/L #	90
51) Chlorobenzene	11.66	112	52104	2.669	ug/L	98
52) Ethylbenzene	11.73	91	83385	2.532	ug/L	99
53) m,p-Xylene	11.84	106	31175	2.446	ug/L	89
54) o-Xylene	12.17	106	29491	2.442	ug/L	96
55) Styrene	12.18	104	48724	2.415	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	15826	2.909	ug/L #	98
59) Bromoform	12.35	173	9370	2.650	ug/L #	96
60) Isopropylbenzene	12.46	105	78250	2.422	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	12116	3.076	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	61650	2.308	ug/L	99
63) 1,2,4-Trimethylbenzene	13.26	105	58852	2.319	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	39207	2.518	ug/L	94
65) 1,4-Dichlorobenzene	13.58	146	41163	2.659	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	37396	2.753	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	2678	3.198	ug/L	91
69) 1,3,5-Trichlorobenzene	14.63	180	28222	2.467	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	23163	2.515	ug/L	96
71) Naphthalene	15.36	128	35014	2.322	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	20263	2.568	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 1.727 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

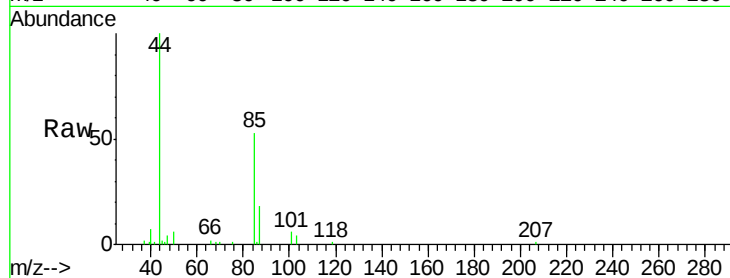
VSTD2.5102

Tgt Ion: 85 Resp: 10268

Ion Ratio Lower Upper

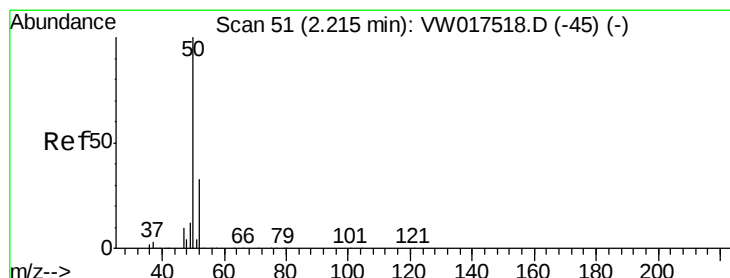
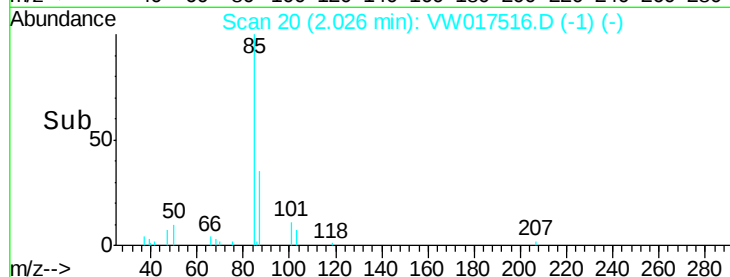
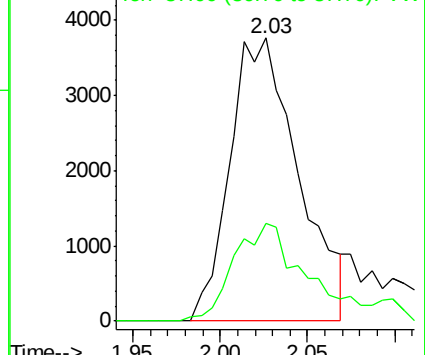
85 100

87 33.8 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: 2.410 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017516.D

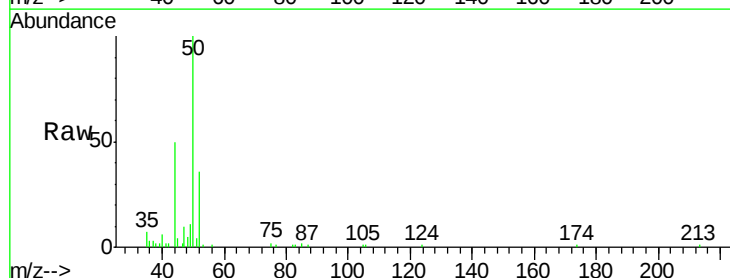
Acq: 02 Dec 2020 09:46

Tgt Ion: 50 Resp: 12530

Ion Ratio Lower Upper

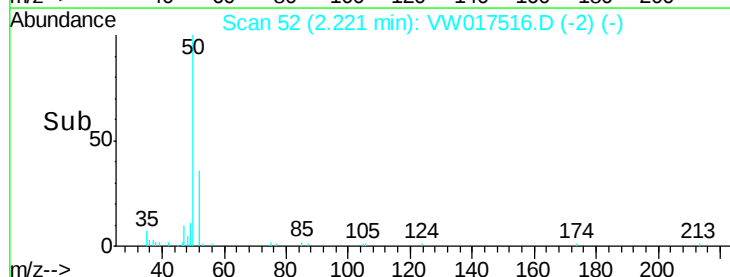
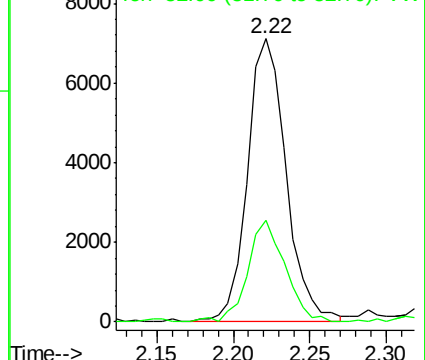
50 100

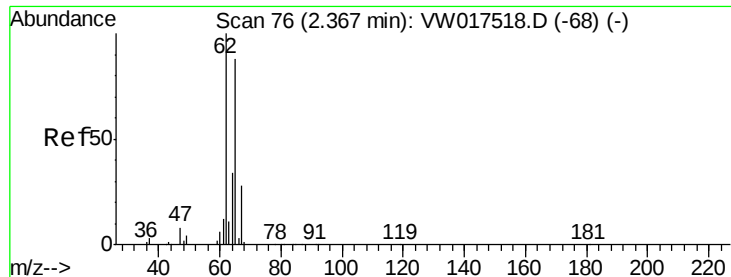
52 36.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.667 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

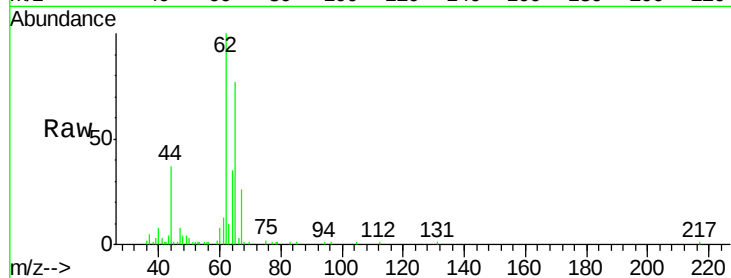
VSTD2.5102

Tgt Ion: 62 Resp: 17226

Ion Ratio Lower Upper

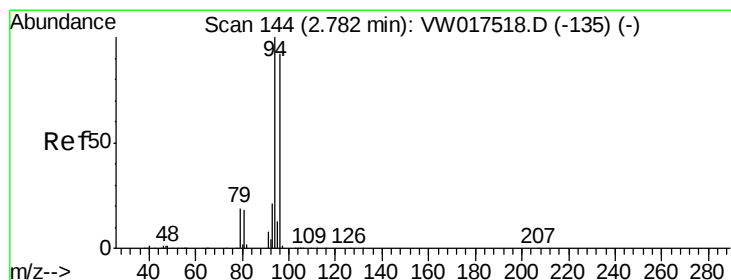
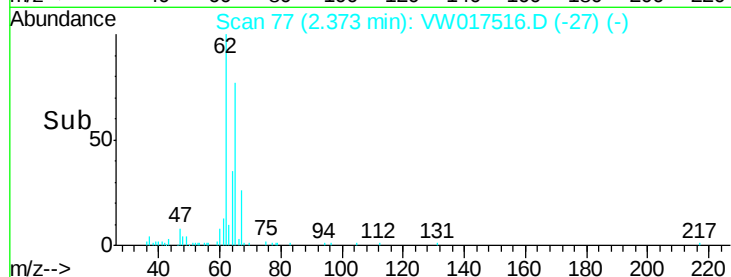
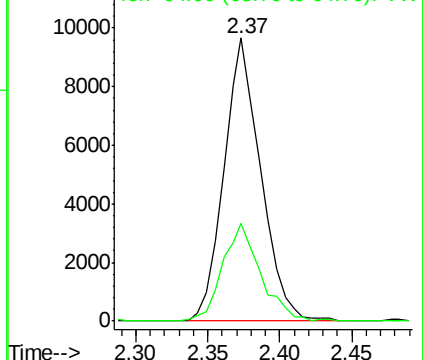
62 100

64 34.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 2.381 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW017516.D

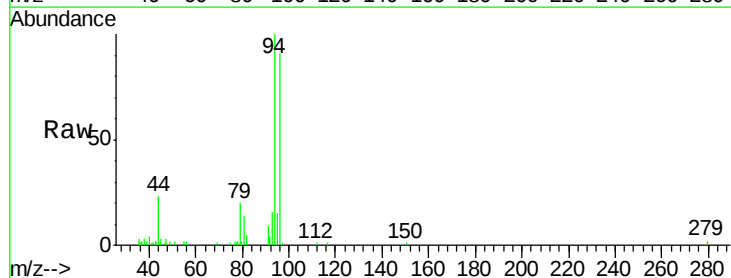
Acq: 02 Dec 2020 09:46

Tgt Ion: 94 Resp: 12039

Ion Ratio Lower Upper

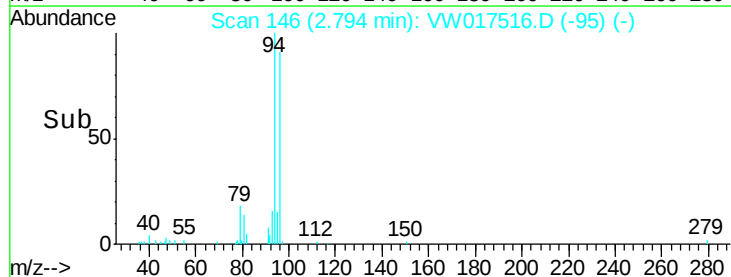
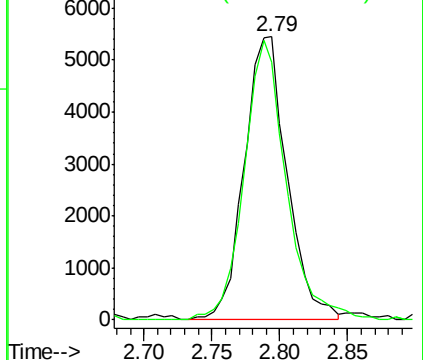
94 100

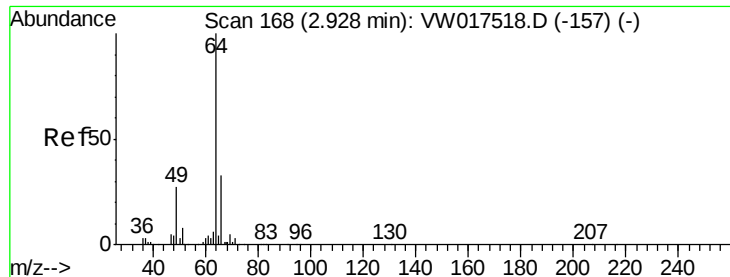
96 91.1 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 2.440 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

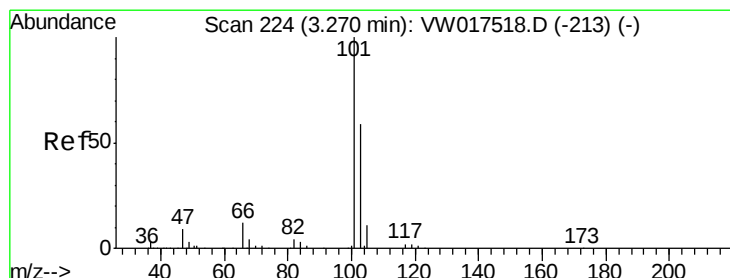
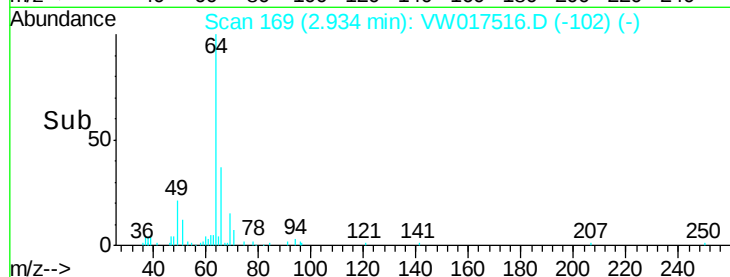
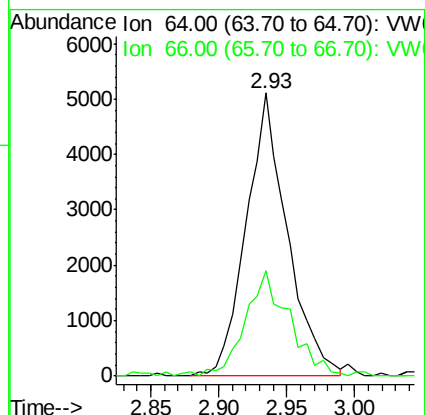
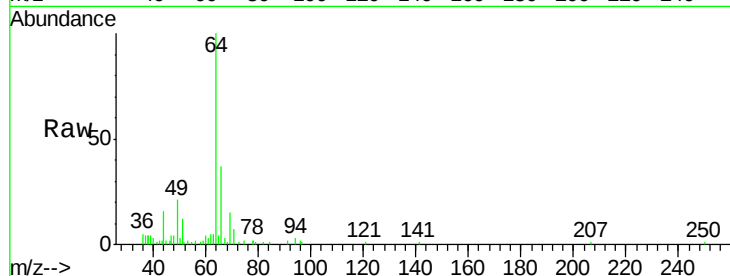
VSTD2.5102

Tgt Ion: 64 Resp: 10781

Ion Ratio Lower Upper

64 100

66 37.2 23.2 43.2



#9

Trichlorofluoromethane

Concen: 2.844 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017516.D

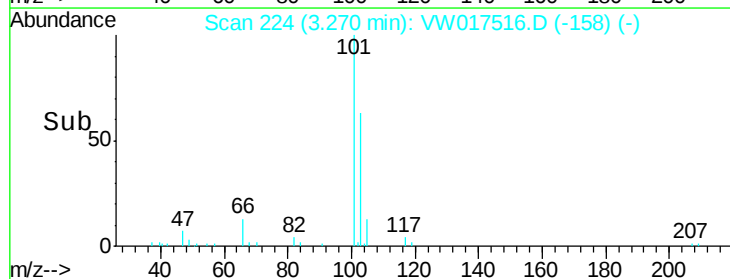
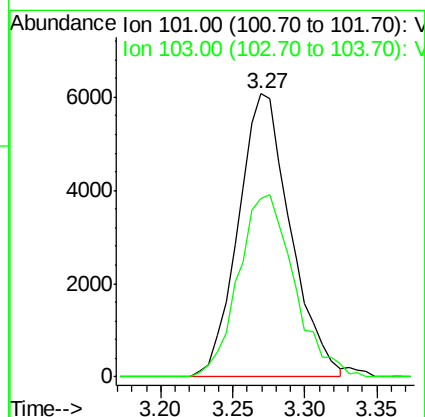
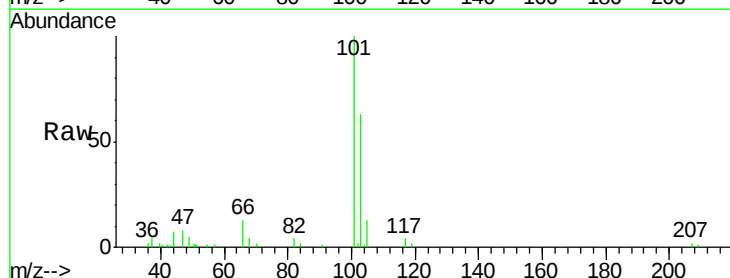
Acq: 02 Dec 2020 09:46

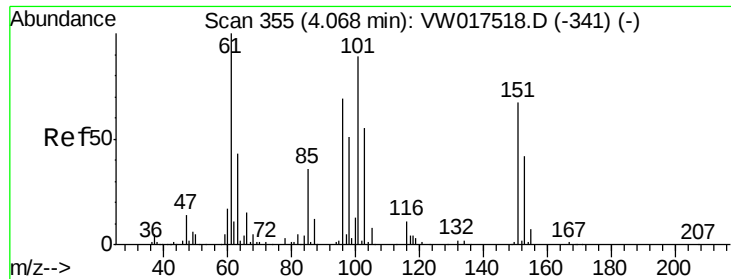
Tgt Ion: 101 Resp: 15268

Ion Ratio Lower Upper

101 100

103 68.6 50.6 75.8





#10

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

Concen: 1.547 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

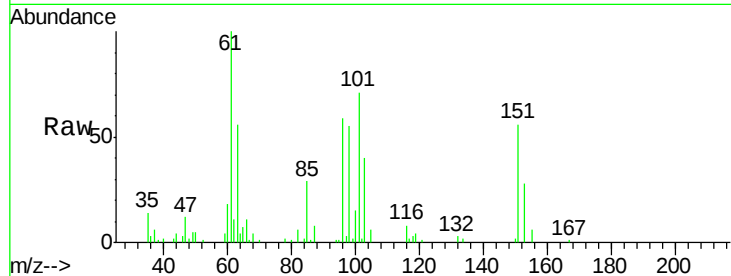
Tgt Ion:101 Resp: 11065

Ion Ratio Lower Upper

101 100

85 40.4 34.0 51.0

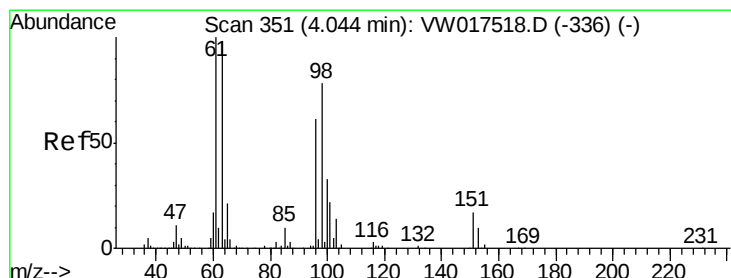
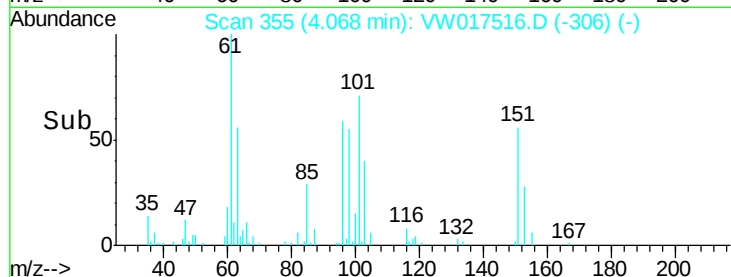
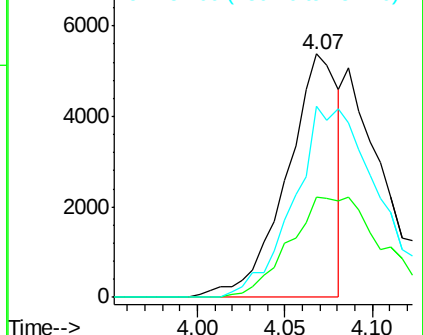
151 57.1 62.8 94.2#



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: 2.723 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

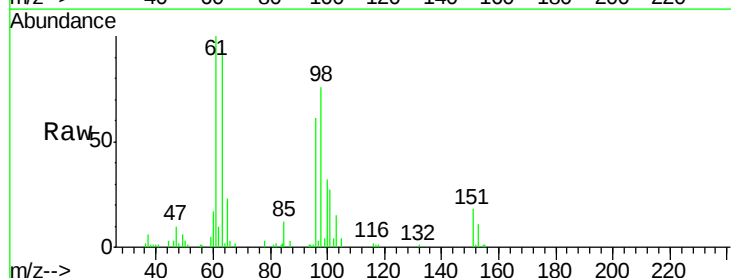
Tgt Ion: 96 Resp: 18312

Ion Ratio Lower Upper

96 100

61 164.1 115.0 213.6

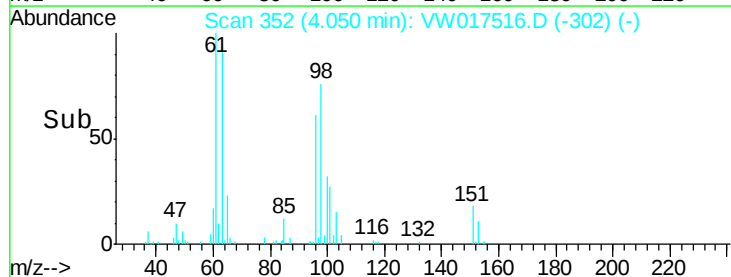
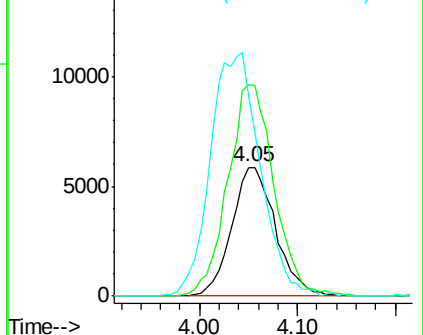
63 155.1 112.7 209.3

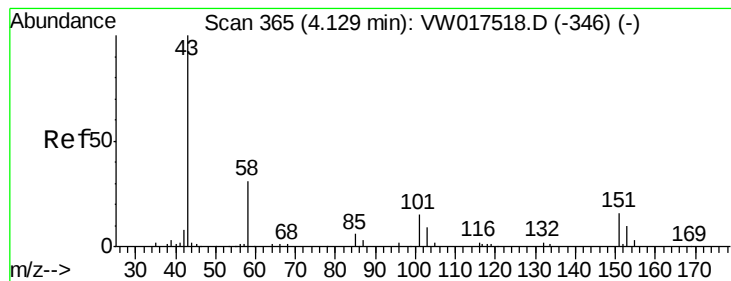


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.118 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

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MSVOA_W

ClientSampleId :

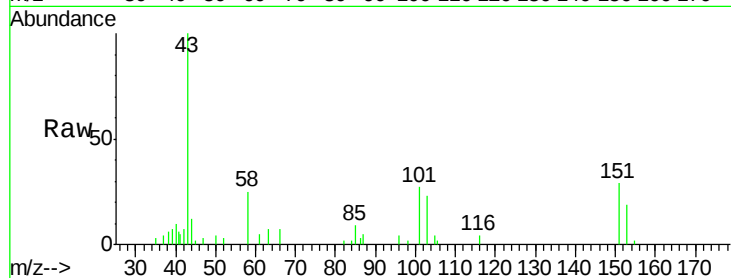
VSTD2.5102

Tgt Ion: 43 Resp: 6826

Ion Ratio Lower Upper

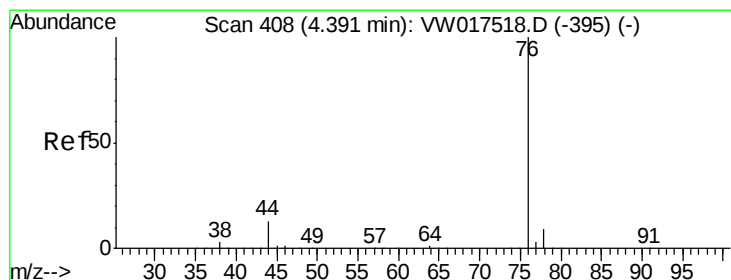
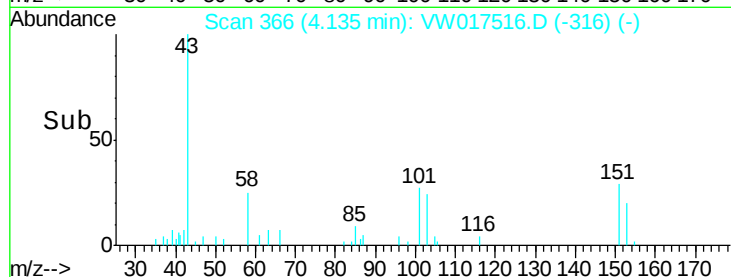
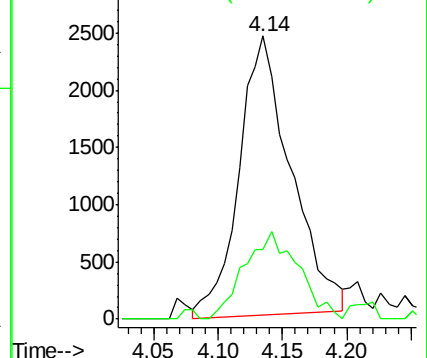
43 100

58 32.3 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.685 ug/L

RT: 4.40 min Scan# 410

Delta R.T. 0.01 min

Lab File: VW017516.D

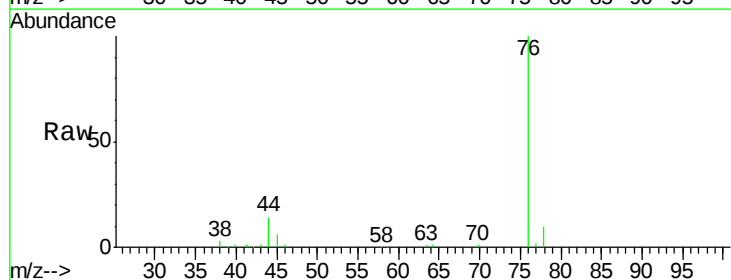
Acq: 02 Dec 2020 09:46

Tgt Ion: 76 Resp: 50331

Ion Ratio Lower Upper

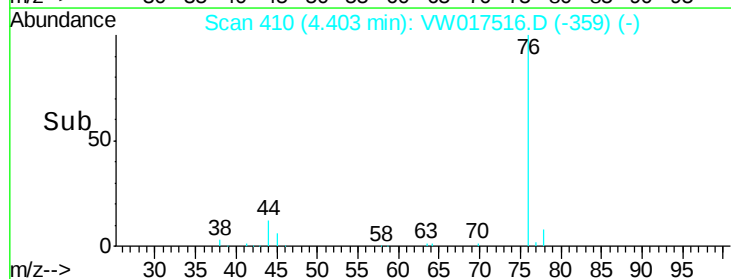
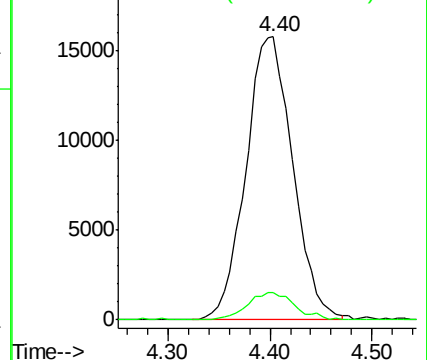
76 100

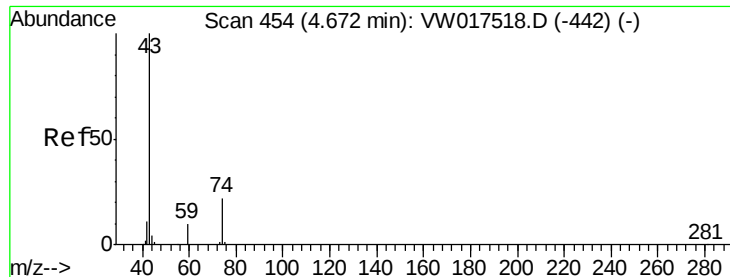
78 9.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

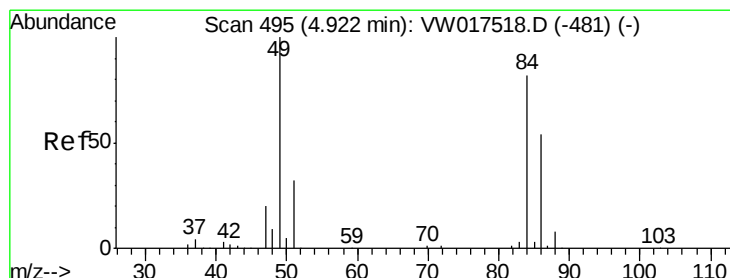
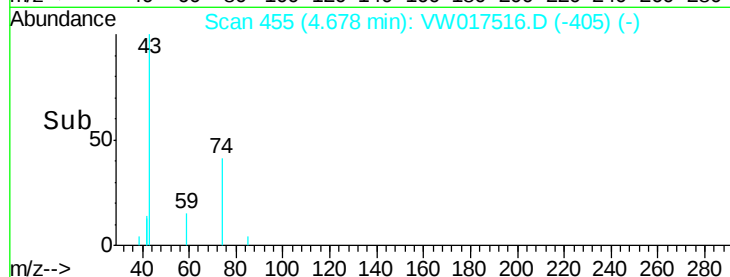
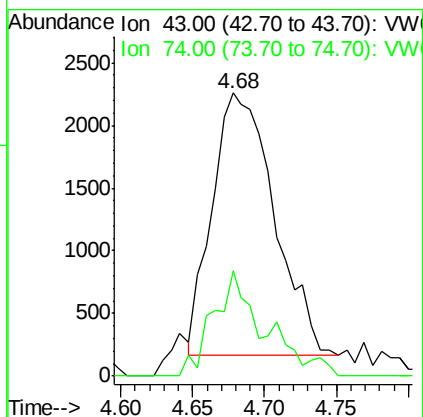
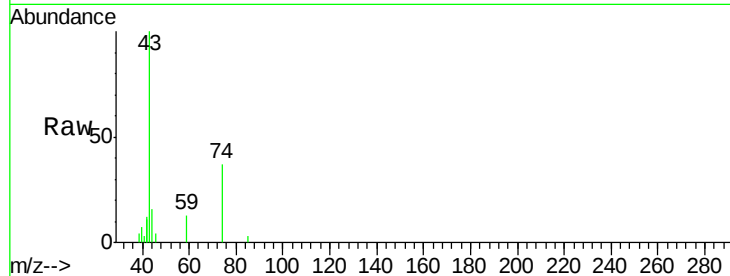




#15
Methyl Acetate
Concen: 2.711 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

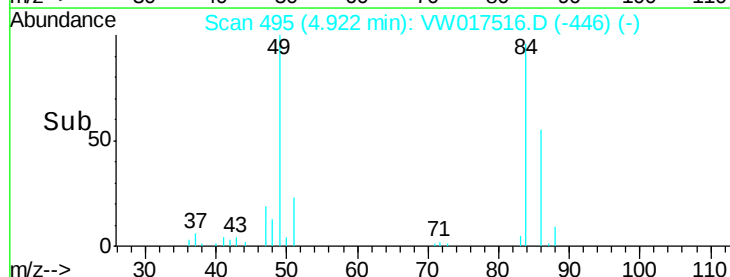
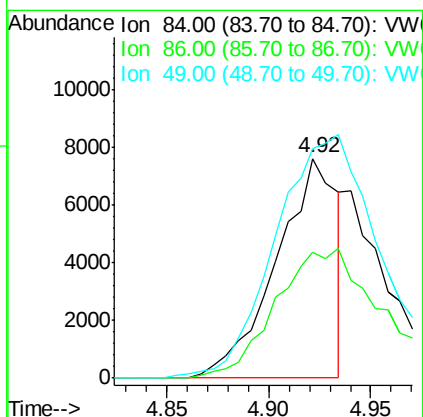
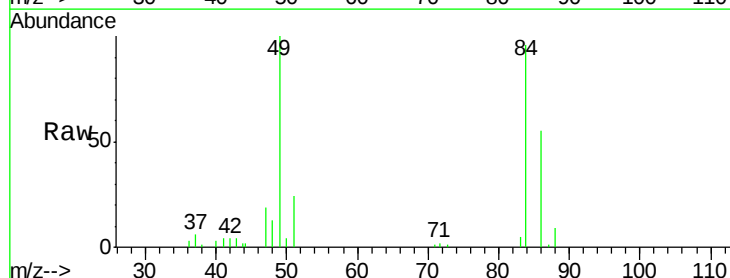
Instrument :
MSVOA_W
ClientSampled :
VSTD2.5102

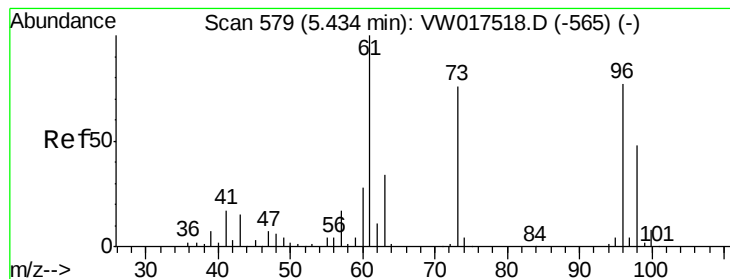
Tgt Ion: 43 Resp: 6244
Ion Ratio Lower Upper
43 100
74 13.7 19.0 28.4#



#16
Methylene chloride
Concen: 2.070 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion: 84 Resp: 15839
Ion Ratio Lower Upper
84 100
86 57.4 46.2 85.8
49 104.3 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 2.554 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

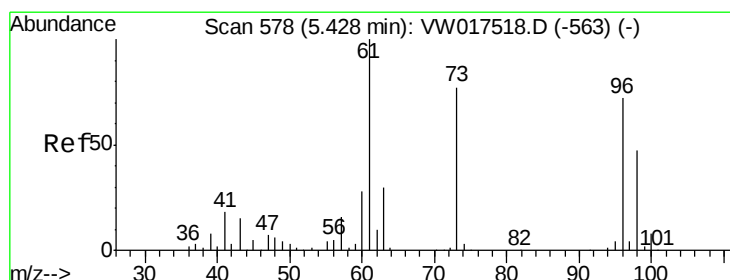
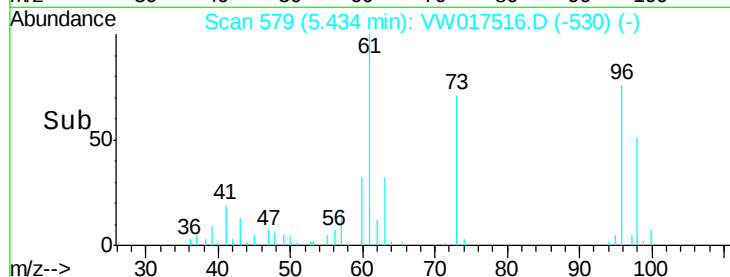
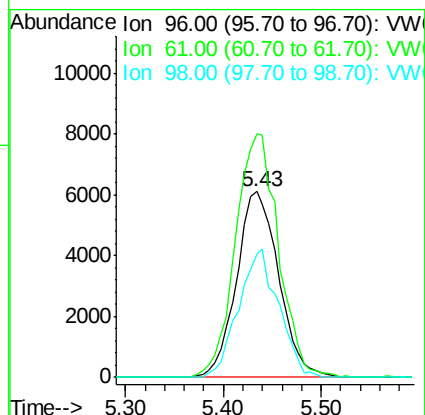
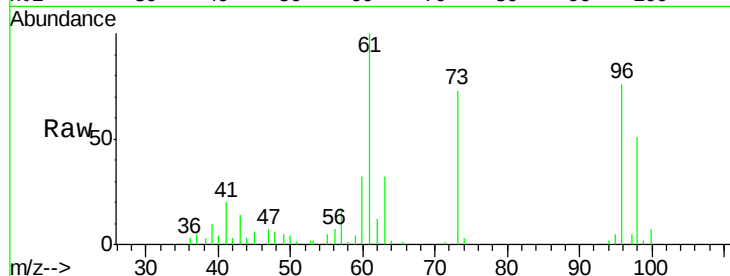
Tgt Ion: 96 Resp: 18315

Ion Ratio Lower Upper

96 100

61 131.1 91.4 169.8

98 66.6 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 2.654 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

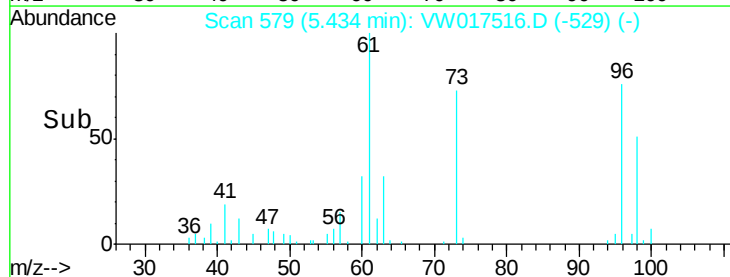
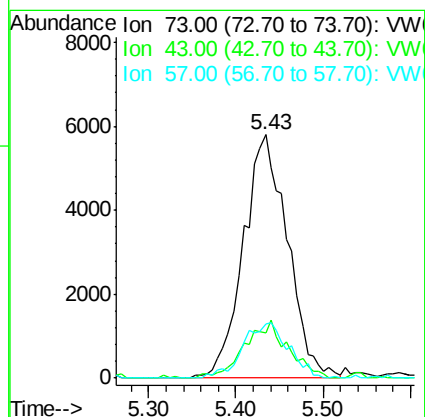
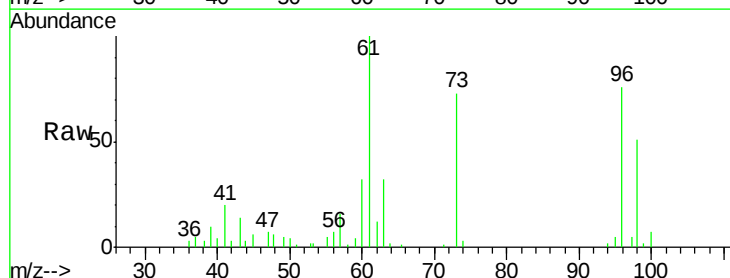
Tgt Ion: 73 Resp: 20382

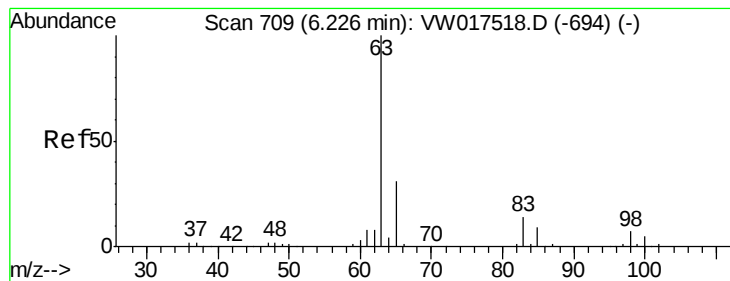
Ion Ratio Lower Upper

73 100

43 11.1 16.0 24.0#

57 15.0 17.4 26.0#





#19

1,1-Dichloroethane

Concen: 2.818 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampled :

VSTD2.5102

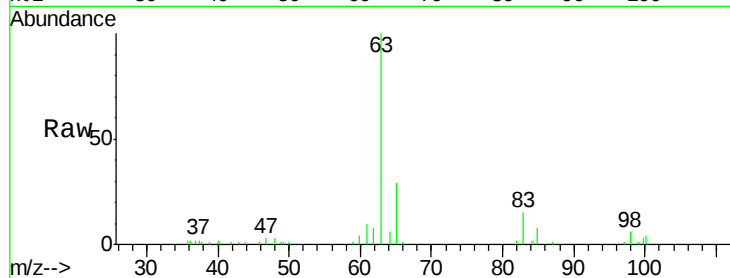
Tgt Ion: 63 Resp: 31884

Ion Ratio Lower Upper

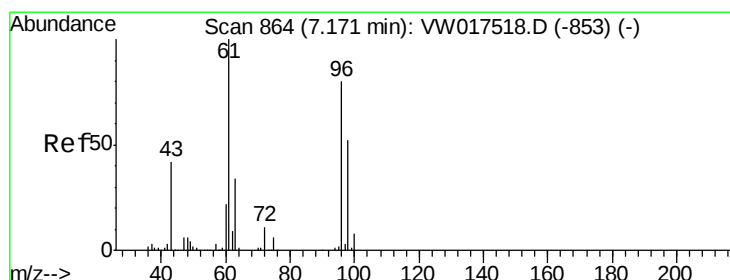
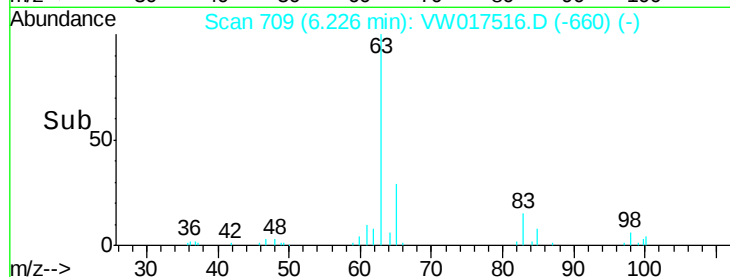
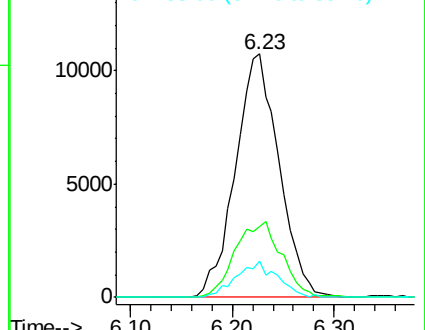
63 100

65 29.3 21.3 39.6

83 14.7 9.4 17.6



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



#20

cis-1,2-Dichloroethene

Concen: 2.569 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

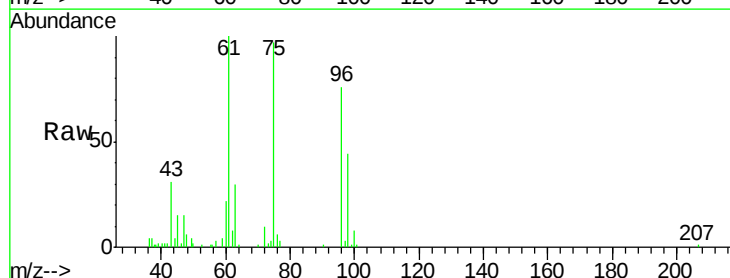
Tgt Ion: 96 Resp: 18878

Ion Ratio Lower Upper

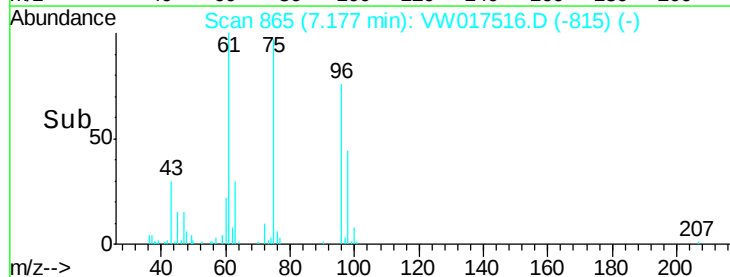
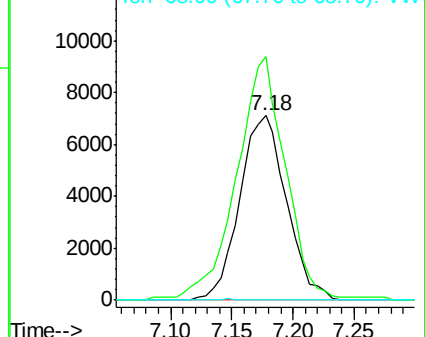
96 100

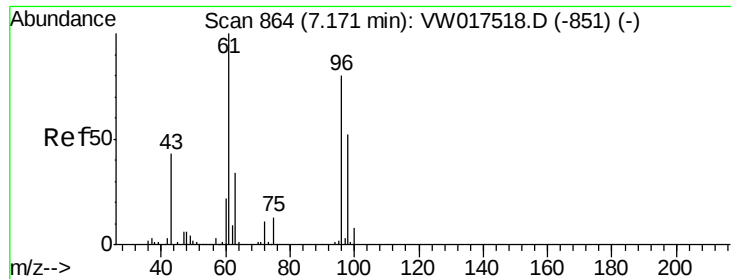
61 132.1 88.0 163.4

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 4.778 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

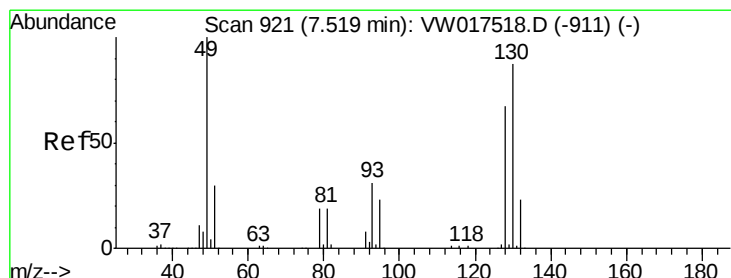
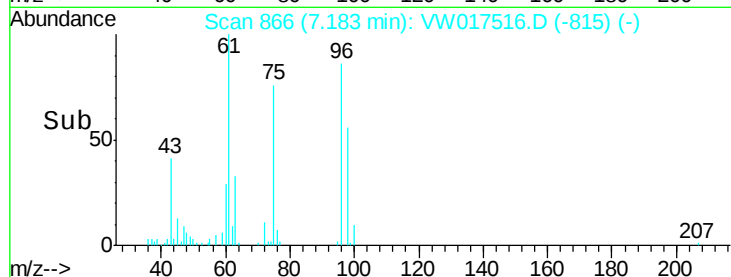
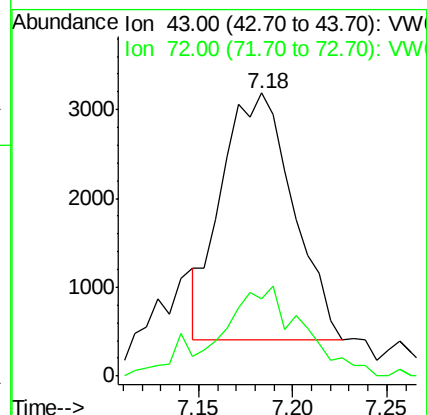
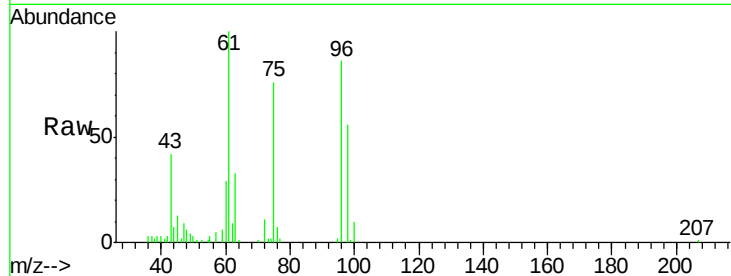
VSTD2.5102

Tgt Ion: 43 Resp: 7280

Ion Ratio Lower Upper

43 100

72 18.1 7.0 21.1



#23

Bromochloromethane

Concen: 2.652 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Tgt Ion: 128 Resp: 9201

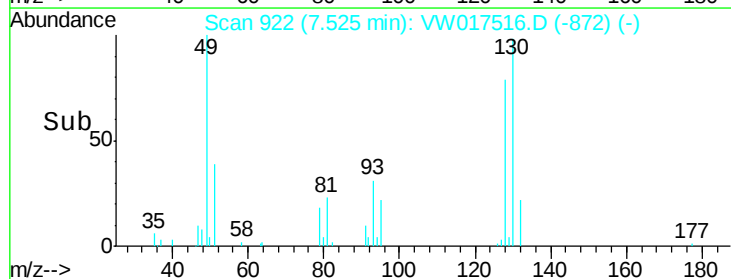
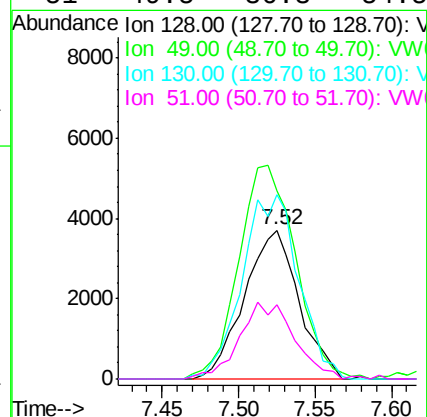
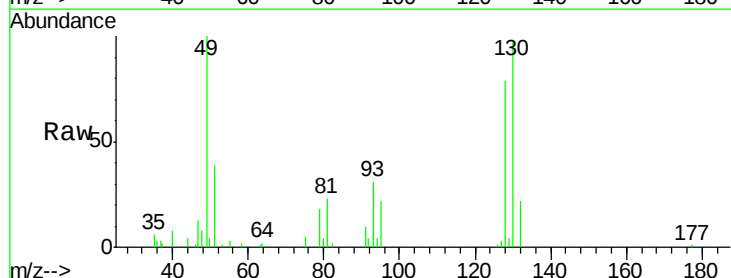
Ion Ratio Lower Upper

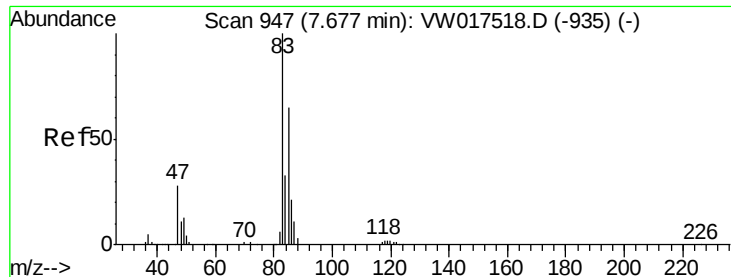
128 100

49 126.1 104.7 194.4

130 123.6 90.8 168.6

51 49.5 36.3 54.5

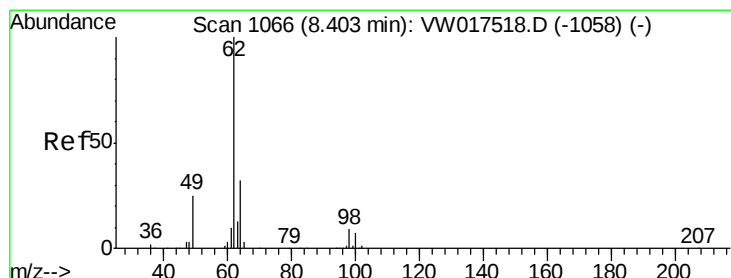
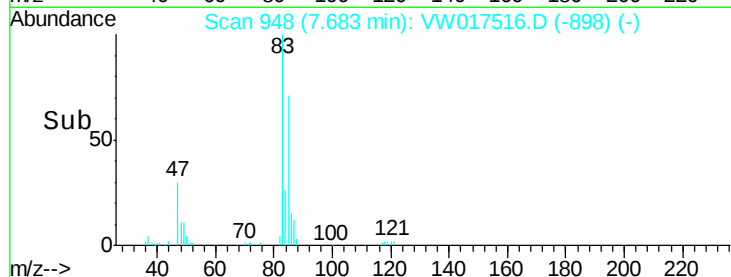
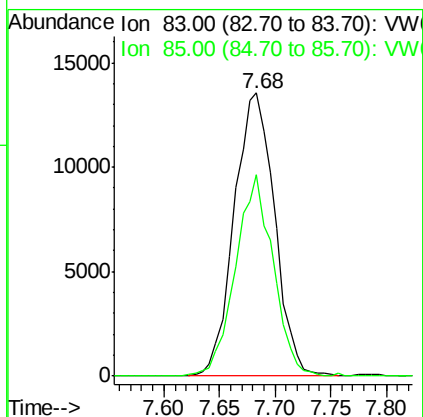
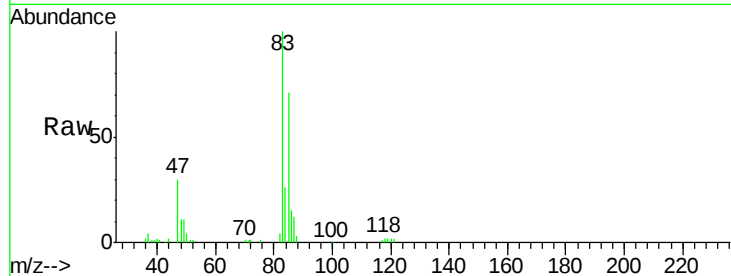




#25
Chloroform
Concen: 2.816 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

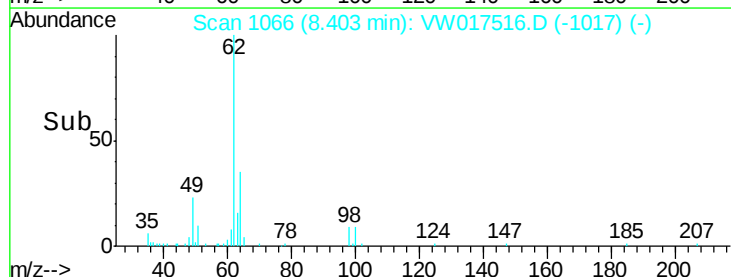
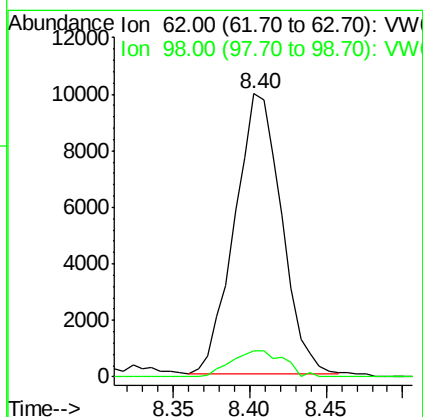
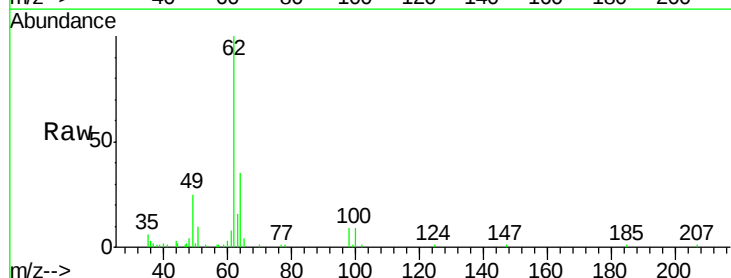
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

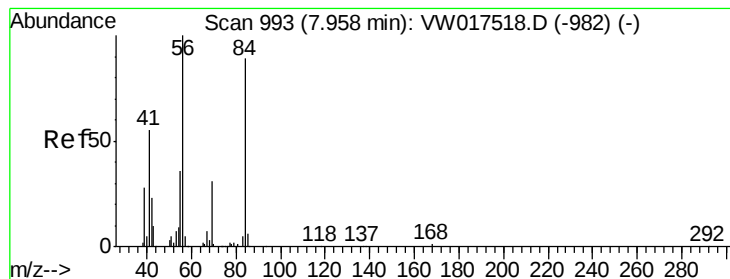
Tgt Ion: 83 Resp: 34256
Ion Ratio Lower Upper
83 100
85 71.3 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.895 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion: 62 Resp: 21235
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2





#29

Cyclohexane

Concen: 2.515 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

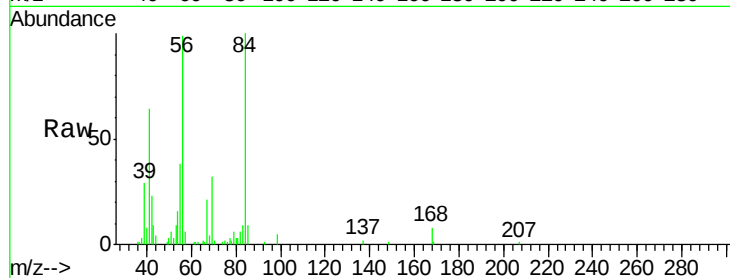
Tgt Ion: 56 Resp: 25538

Ion Ratio Lower Upper

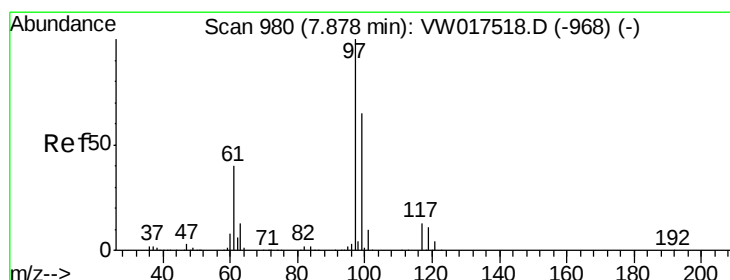
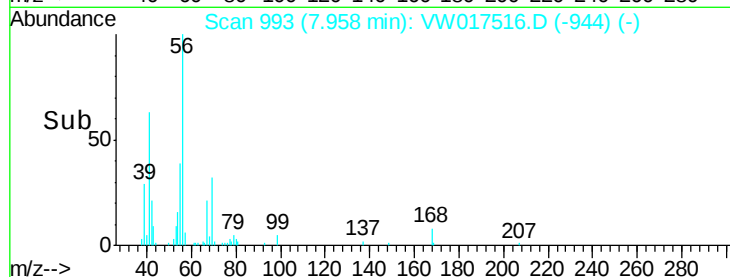
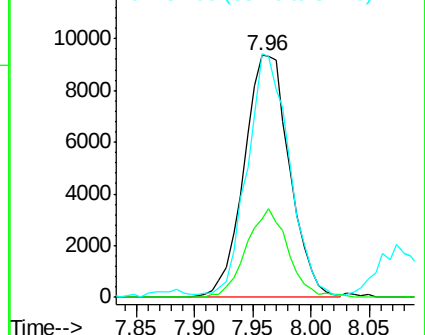
56 100

69 33.0 24.8 37.2

84 93.8 73.3 109.9



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



#30

1,1,1-Trichloroethane

Concen: 2.830 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

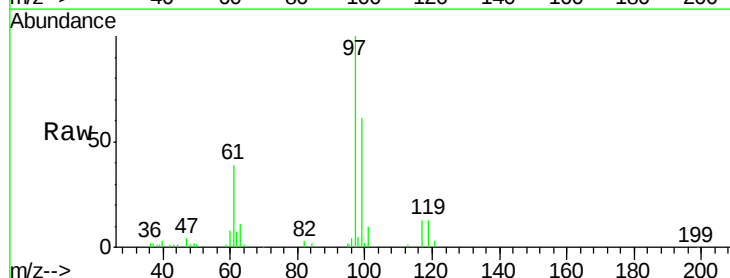
Tgt Ion: 97 Resp: 29283

Ion Ratio Lower Upper

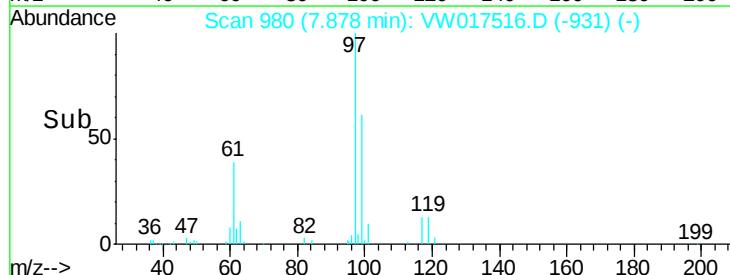
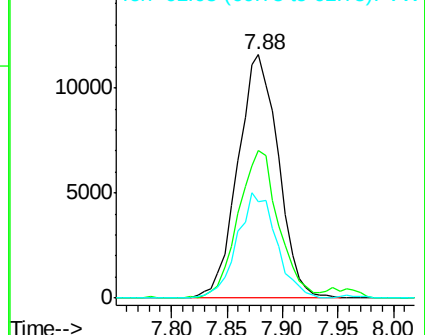
97 100

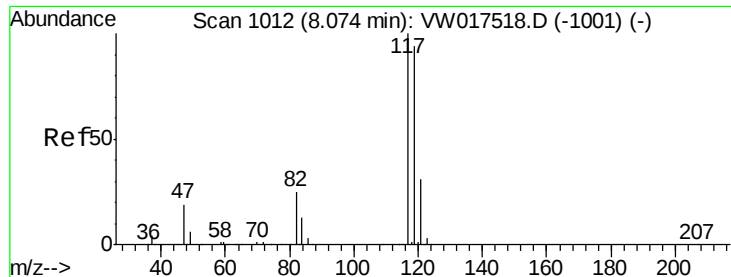
99 60.0 51.0 76.4

61 41.9 33.7 50.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW

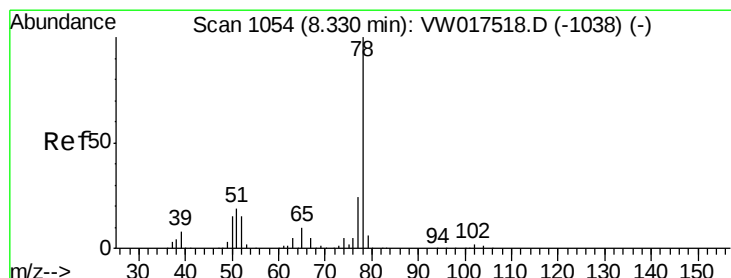
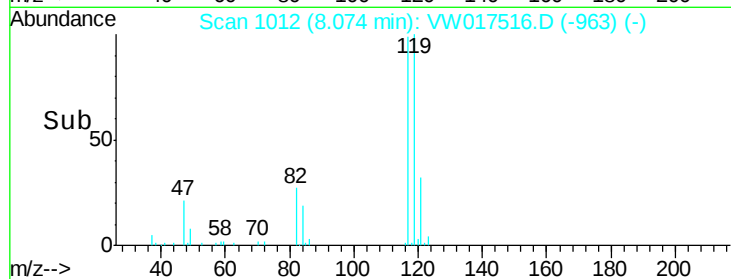
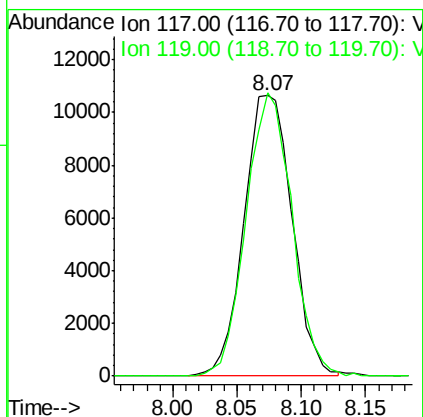
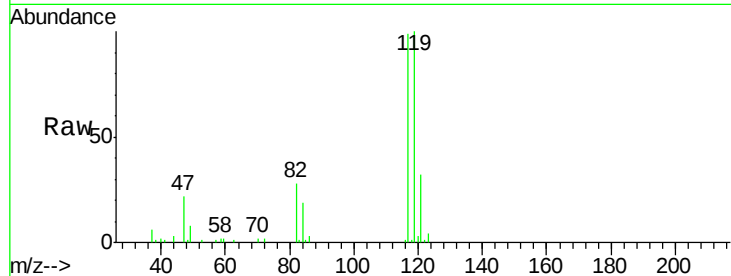




#31
Carbon tetrachloride
Concen: 2.738 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

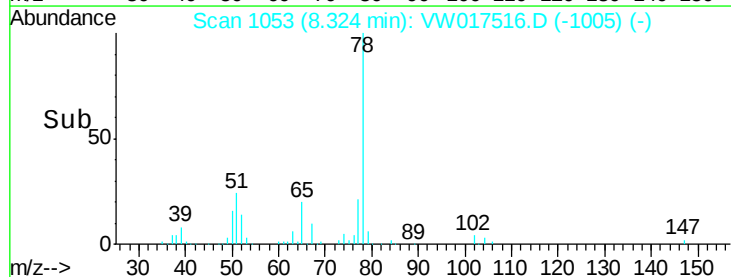
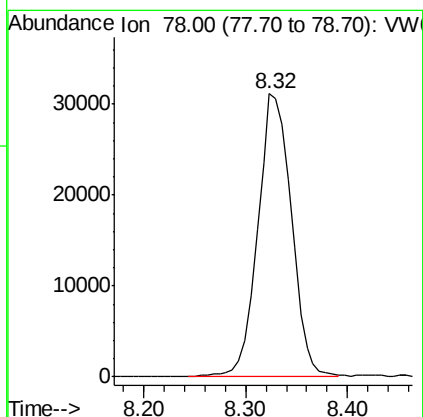
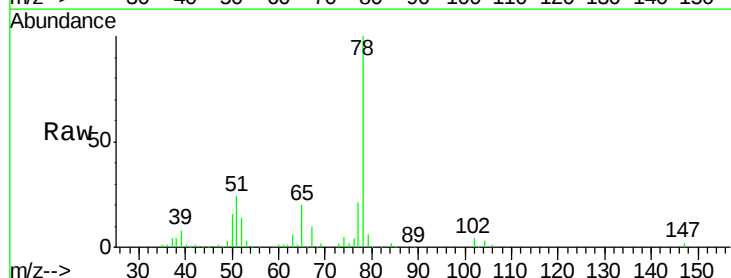
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

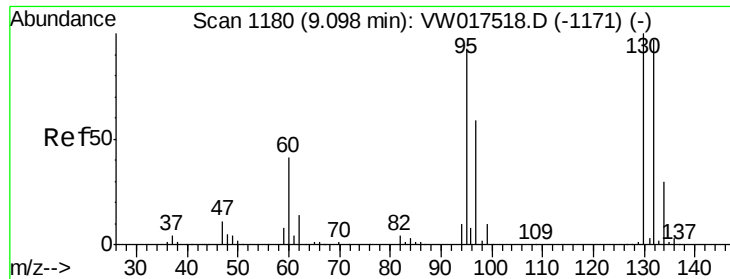
Tgt Ion:117 Resp: 27582
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8



#33
Benzene
Concen: 2.703 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion: 78 Resp: 71525





#34

Trichloroethene

Concen: 2.714 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

Tgt Ion: 95 Resp: 20298

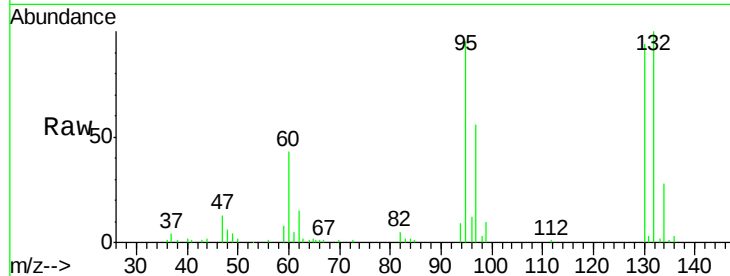
Ion Ratio Lower Upper

95 100

97 59.6 44.4 82.4

132 105.6 72.7 135.1

130 99.4 75.4 140.0

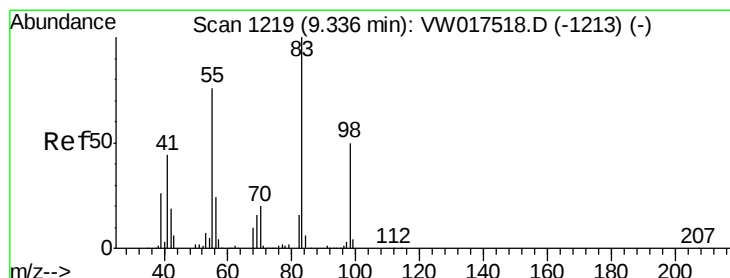
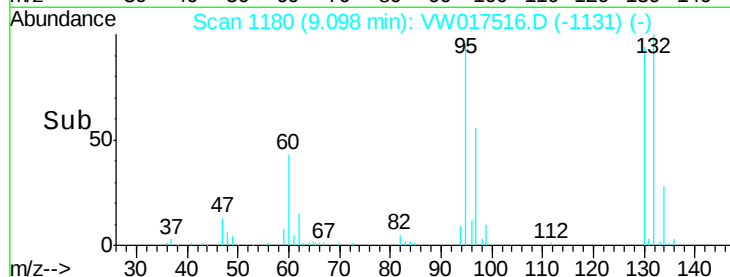
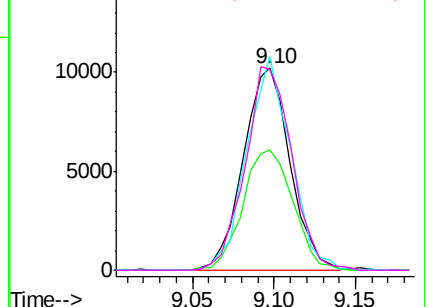


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.450 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

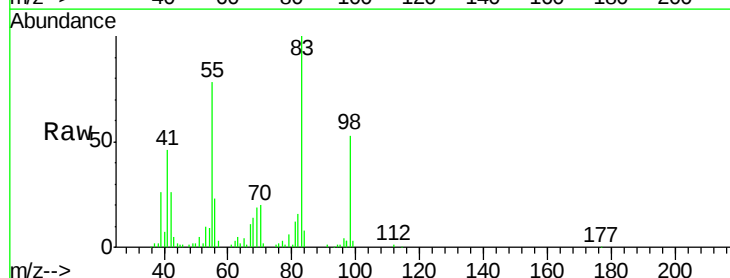
Tgt Ion: 83 Resp: 30274

Ion Ratio Lower Upper

83 100

55 78.6 58.2 87.2

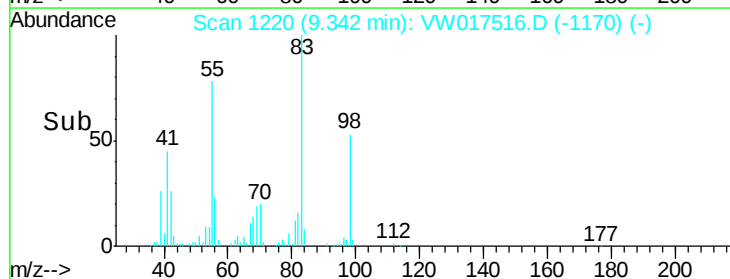
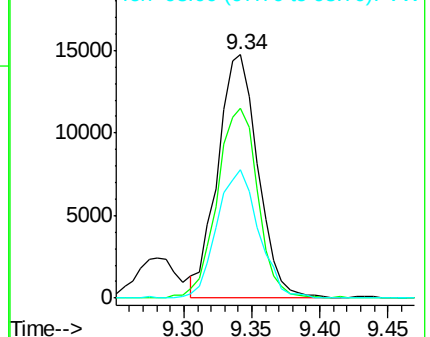
98 54.3 39.9 59.9

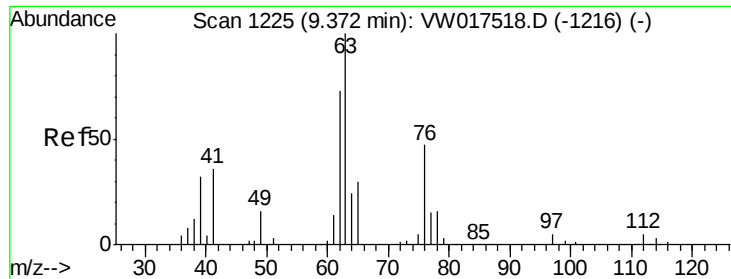


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 2.893 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

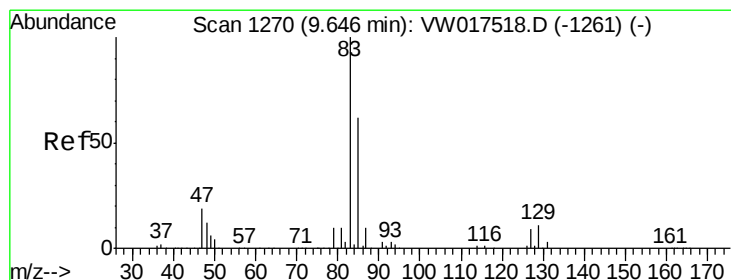
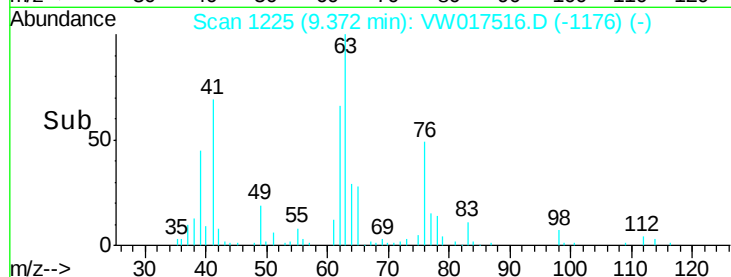
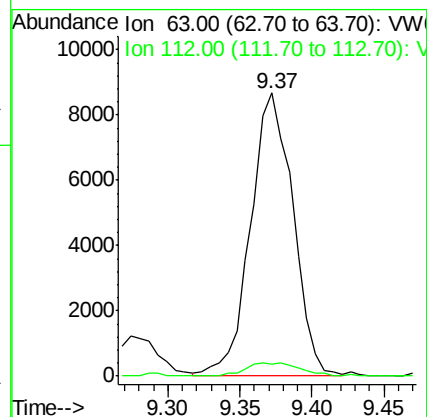
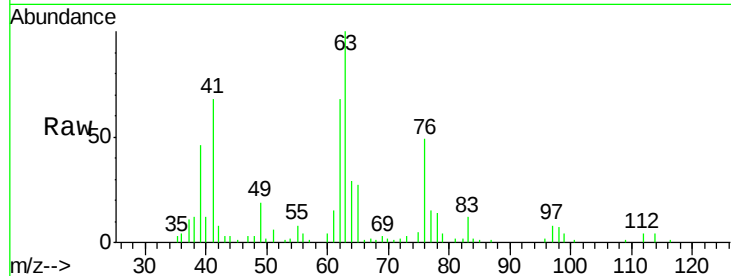
VSTD2.5102

Tgt Ion: 63 Resp: 17724

Ion Ratio Lower Upper

63 100

112 5.9 3.8 5.8#



#38

Bromodichloromethane

Concen: 2.837 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

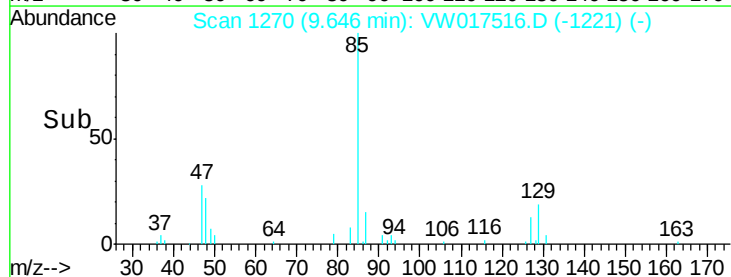
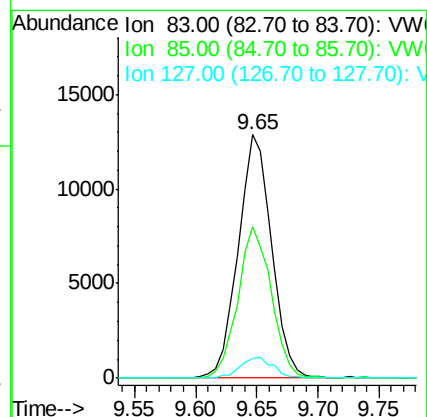
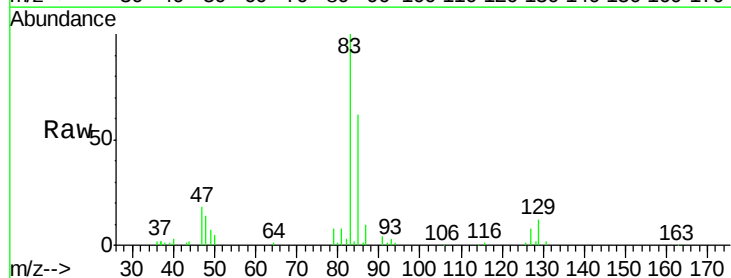
Tgt Ion: 83 Resp: 24317

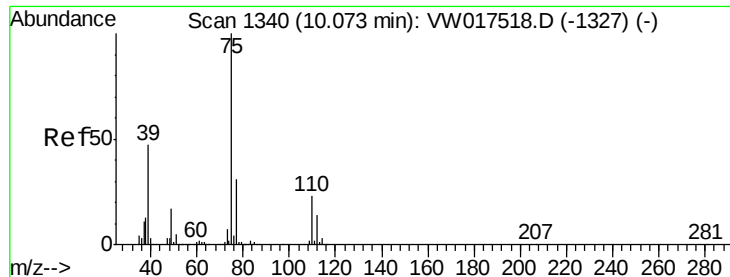
Ion Ratio Lower Upper

83 100

85 62.2 43.3 80.5

127 7.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 2.612 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

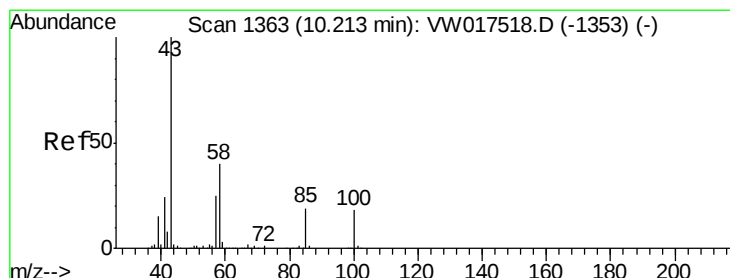
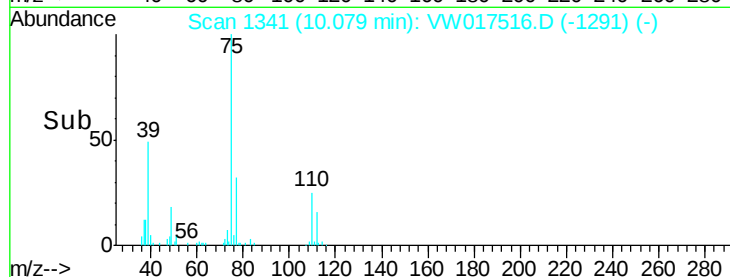
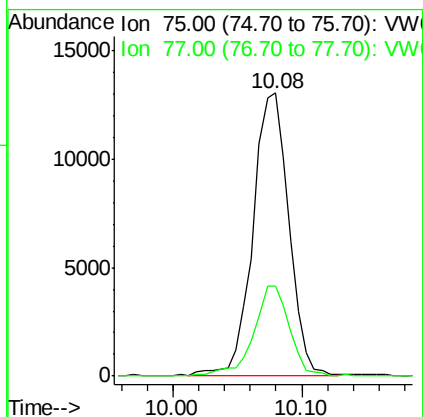
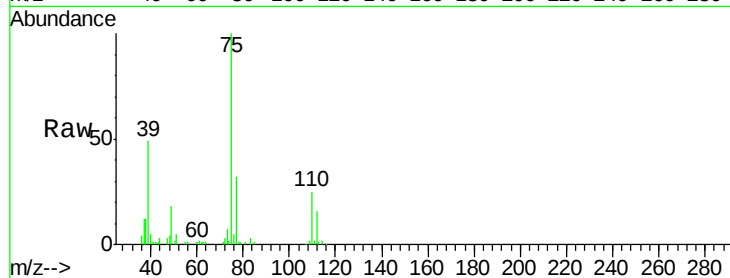
VSTD2.5102

Tgt Ion: 75 Resp: 25211

Ion Ratio Lower Upper

75 100

77 32.1 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 6.094 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

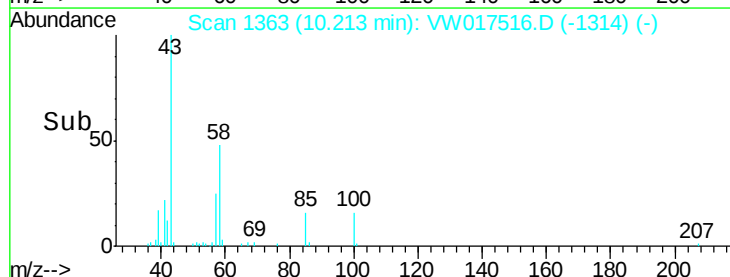
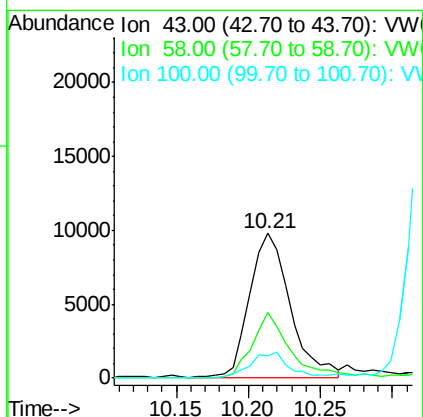
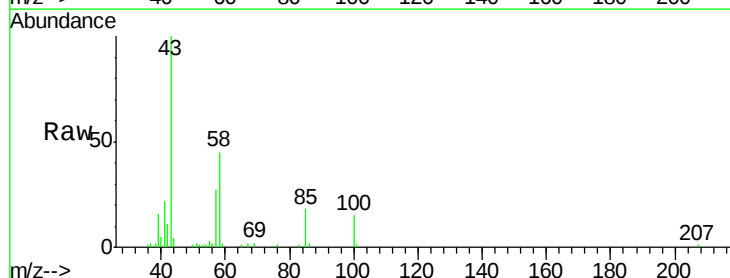
Tgt Ion: 43 Resp: 19284

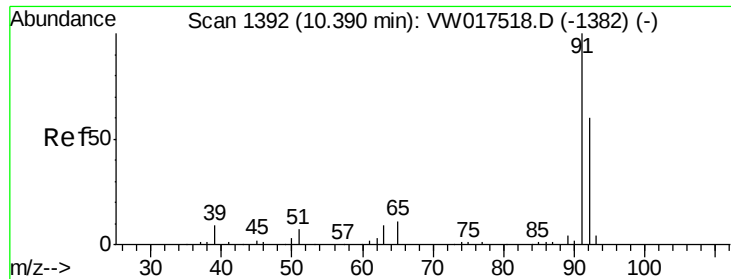
Ion Ratio Lower Upper

43 100

58 42.2 30.8 46.2

100 15.8 12.9 19.3





#42

Toluene

Concen: 2.564 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

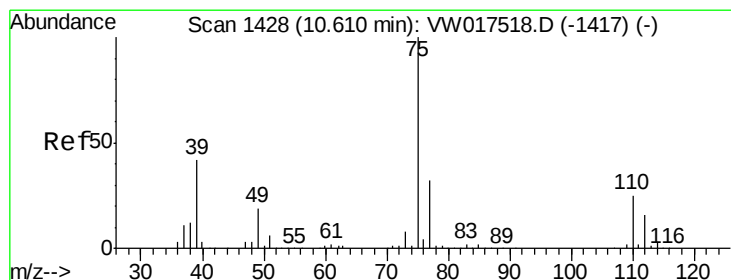
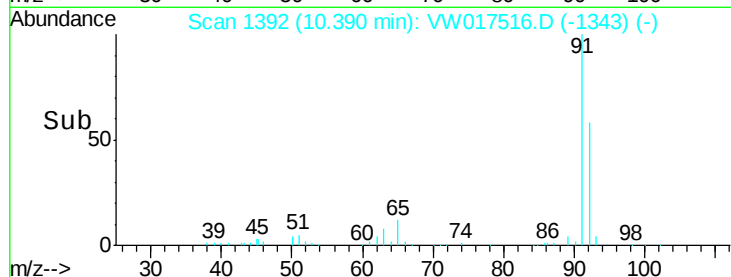
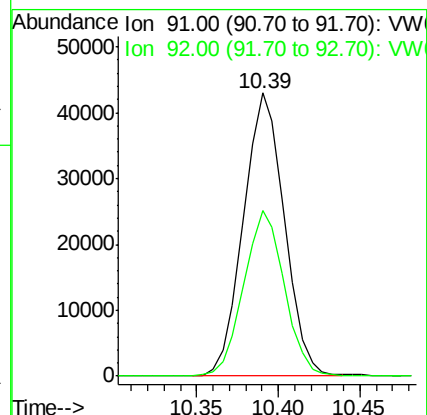
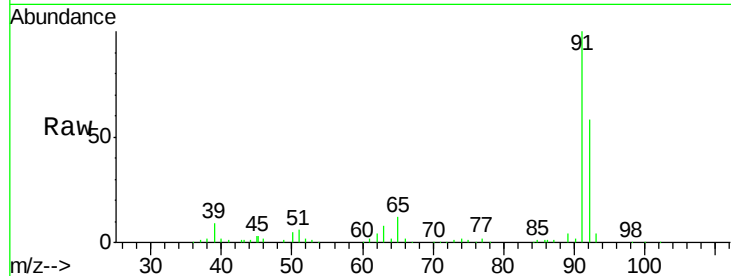
VSTD2.5102

Tgt Ion: 91 Resp: 74835

Ion Ratio Lower Upper

91 100

92 58.5 42.3 78.5



#44

trans-1,3-Dichloropropene

Concen: 2.696 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017516.D

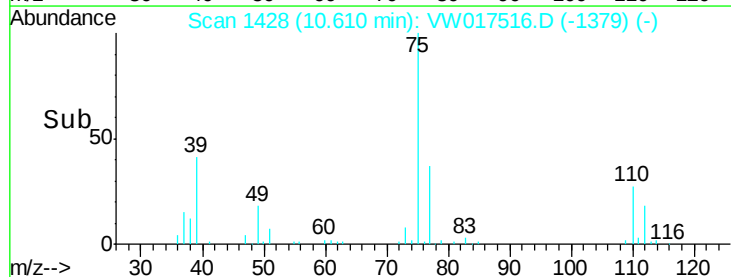
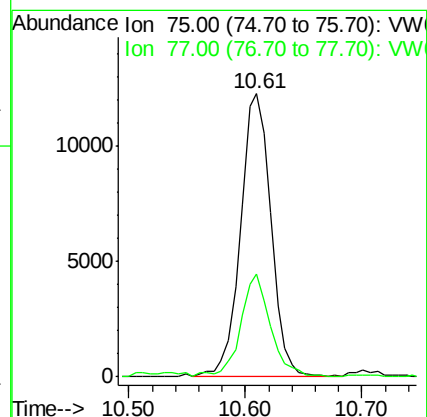
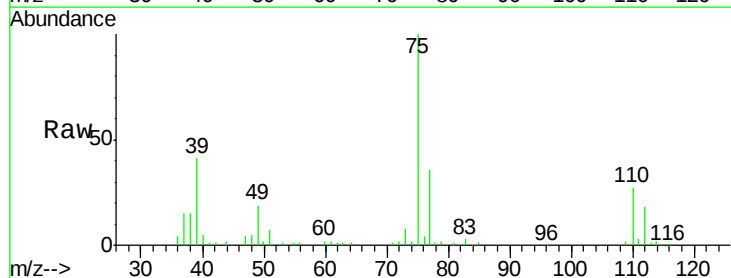
Acq: 02 Dec 2020 09:46

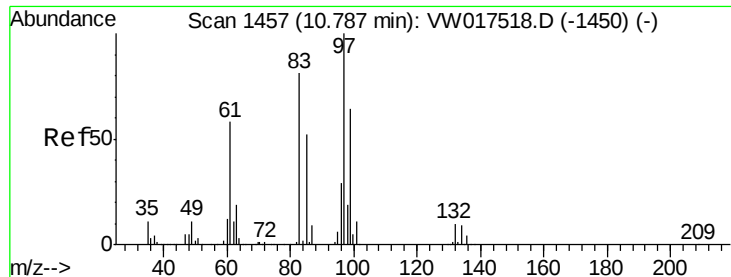
Tgt Ion: 75 Resp: 22375

Ion Ratio Lower Upper

75 100

77 36.3 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 2.756 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

Tgt Ion: 97 Resp: 13645

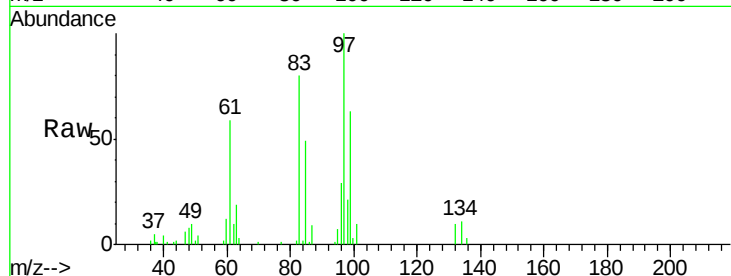
Ion Ratio Lower Upper

97 100

99 63.1 44.5 82.7

83 80.4 56.7 105.3

85 49.2 36.5 67.7

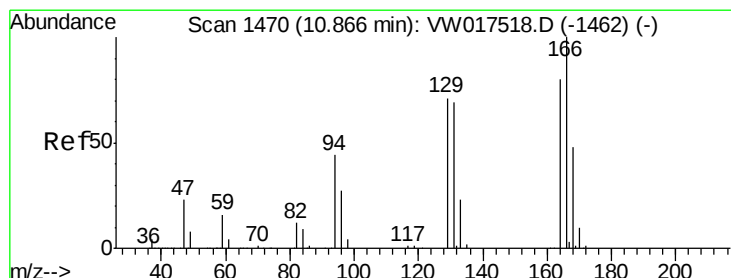
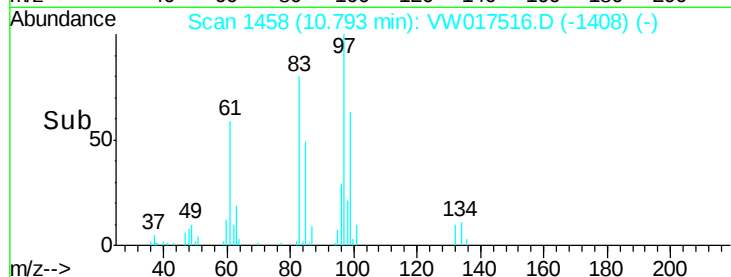
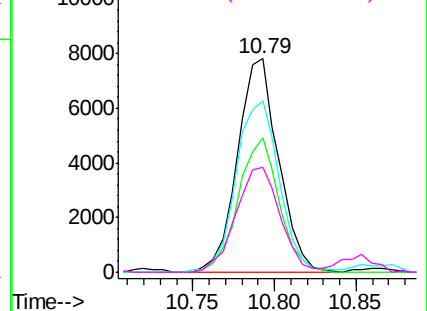


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 2.443 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Tgt Ion: 164 Resp: 16430

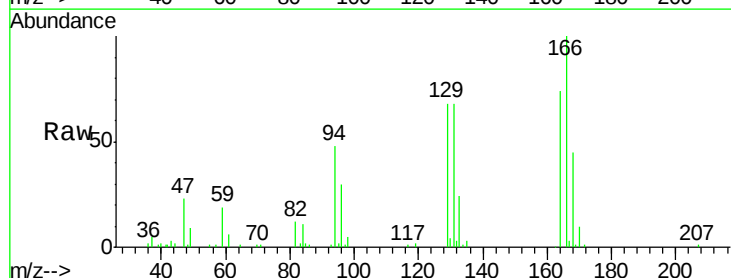
Ion Ratio Lower Upper

164 100

129 92.1 61.9 115.1

131 92.4 60.4 112.2

166 135.6 87.5 162.5

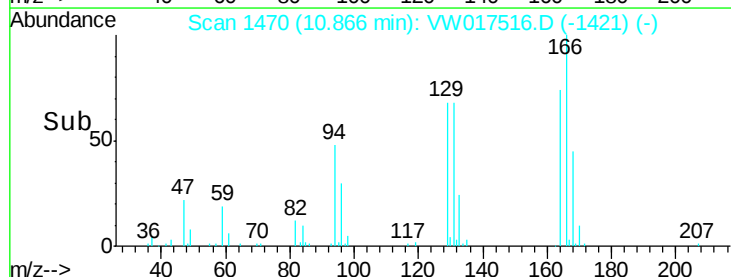
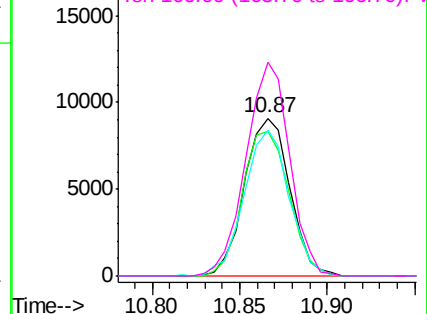


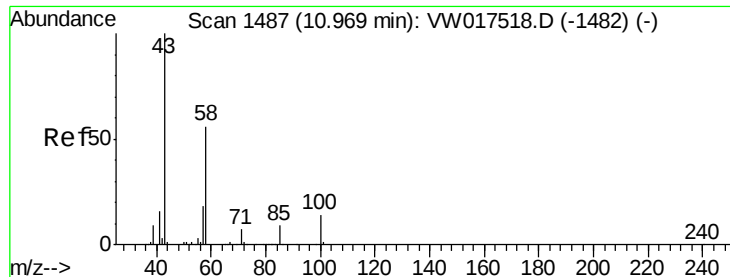
Abundance Ion 164.00 (163.70 to 164.70): V

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

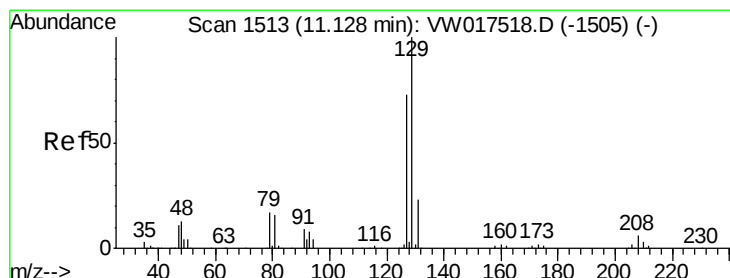
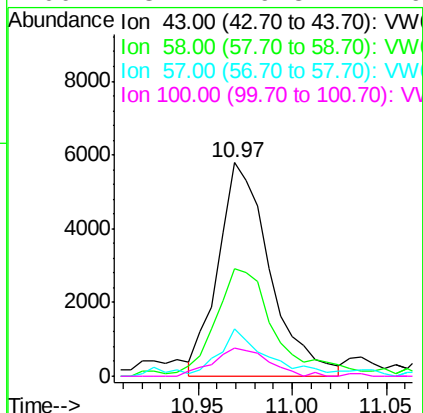
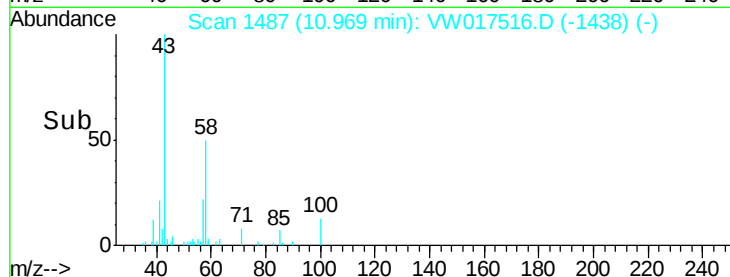
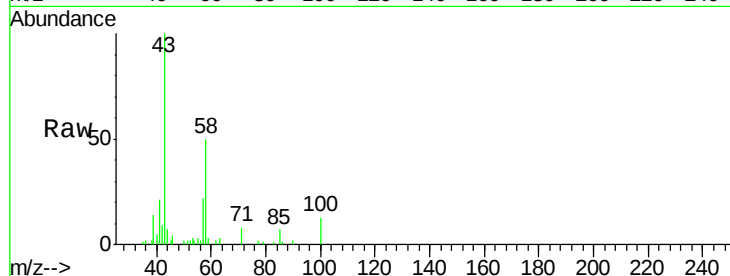




#48
2-Hexanone
Concen: 5.157 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

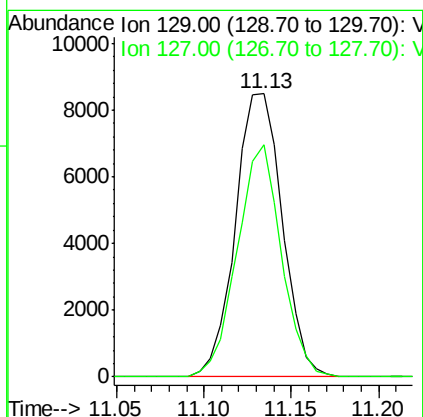
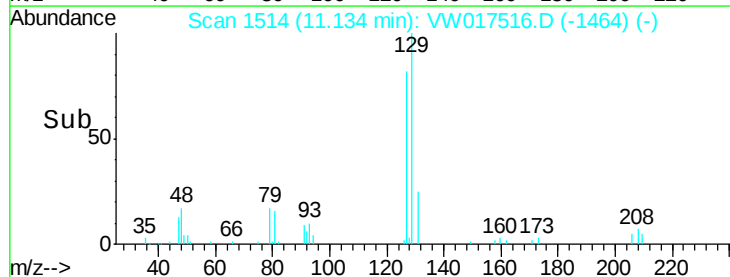
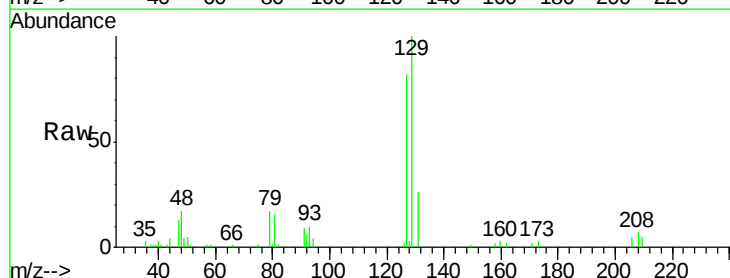
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

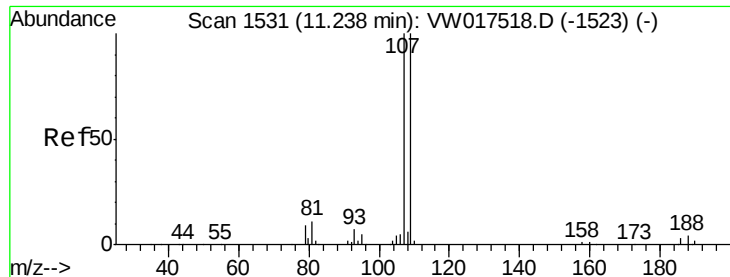
Tgt Ion: 43 Resp: 11074
Ion Ratio Lower Upper
43 100
58 49.3 44.5 66.7
57 17.7 14.7 22.1
100 13.7 9.8 14.6



#49
Dibromochloromethane
Concen: 2.596 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion: 129 Resp: 15854
Ion Ratio Lower Upper
129 100
127 81.9 51.2 95.2

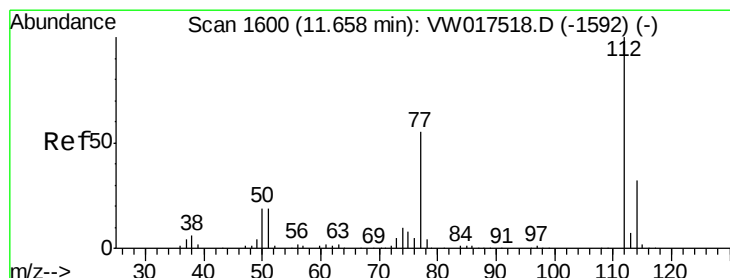
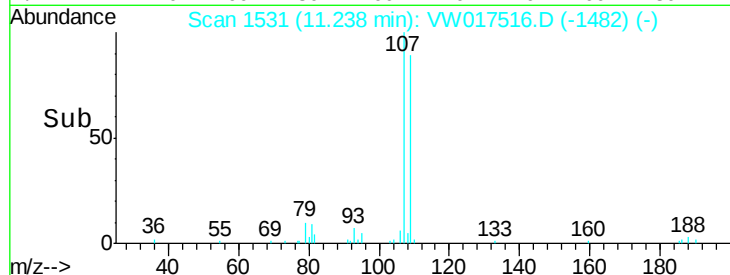
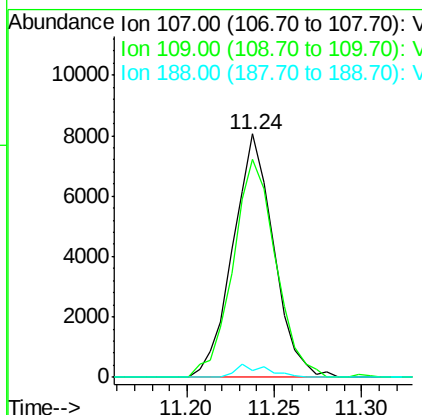
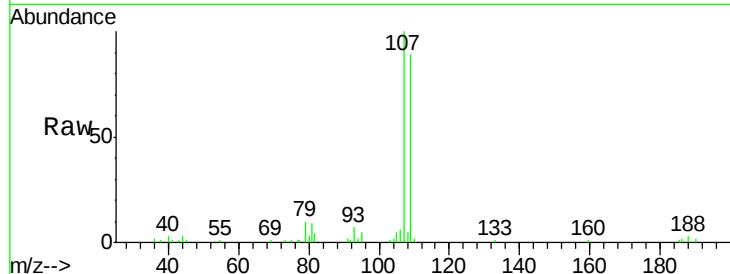




#50
1,2-Dibromoethane
Concen: 2.752 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

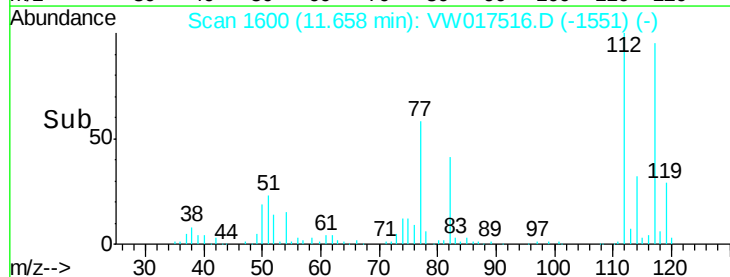
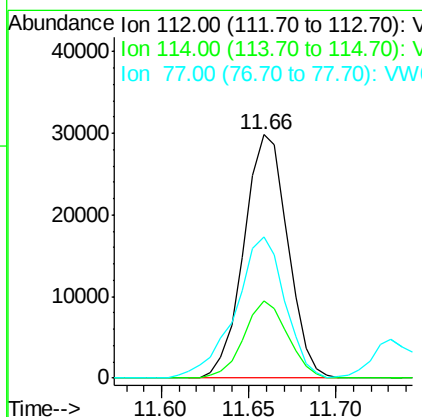
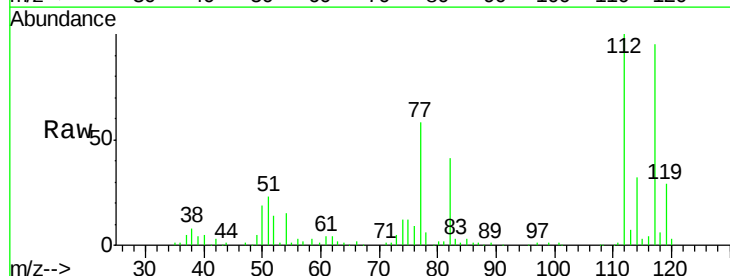
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

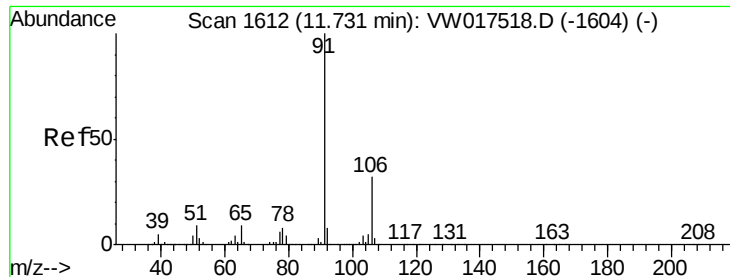
Tgt Ion:107 Resp: 13083
Ion Ratio Lower Upper
107 100
109 89.4 70.1 130.1
188 2.9 3.0 4.4#



#51
Chlorobenzene
Concen: 2.669 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion:112 Resp: 52104
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 57.8 44.3 66.5

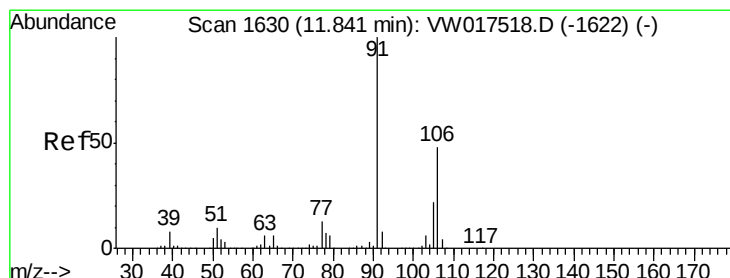
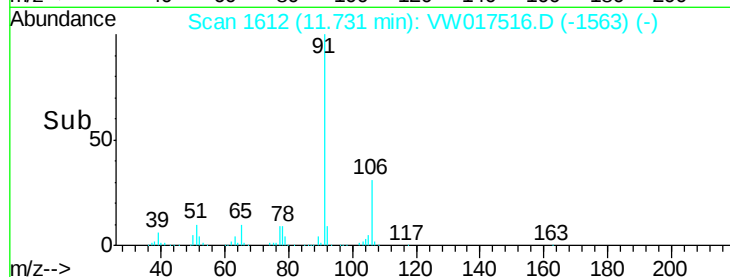
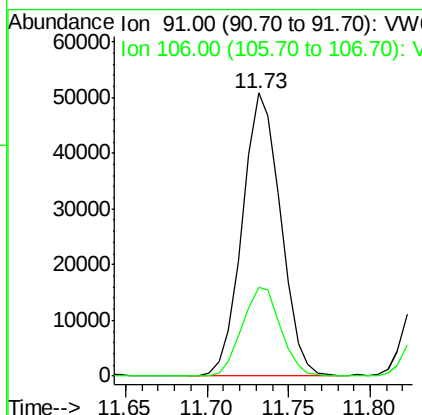
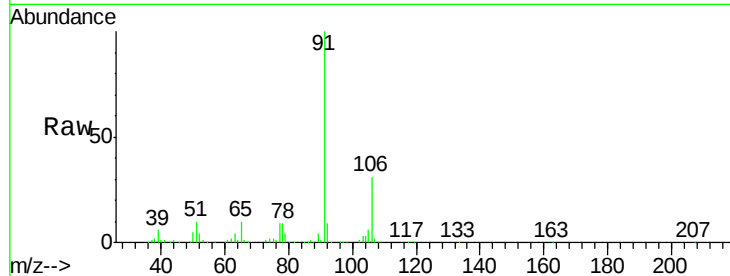




#52
Ethylbenzene
Concen: 2.532 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

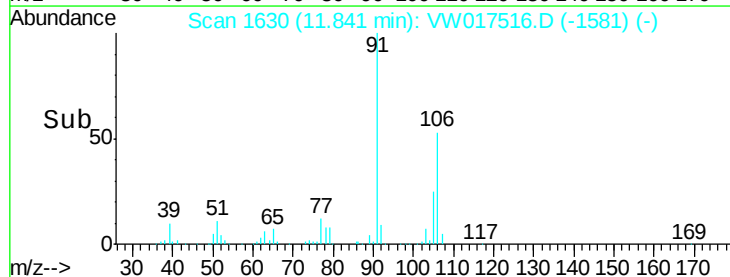
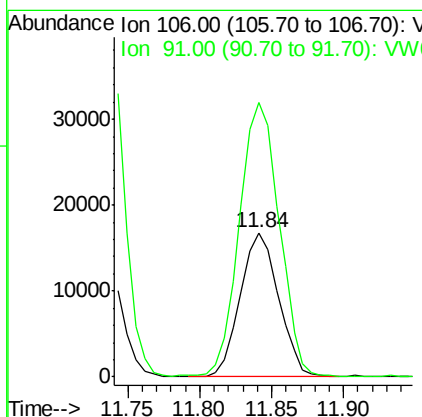
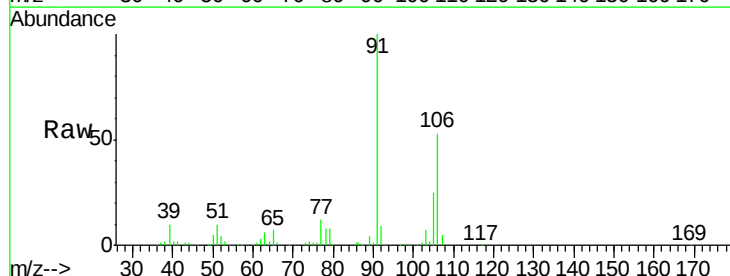
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5102

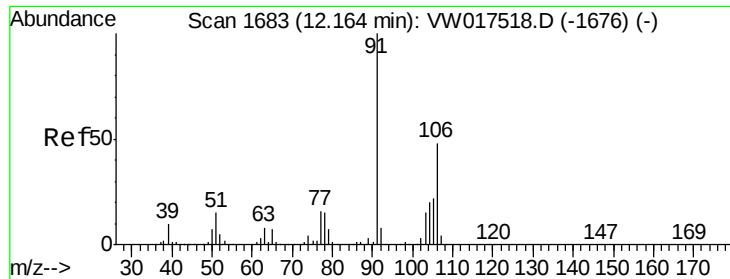
Tgt Ion: 91 Resp: 83385
Ion Ratio Lower Upper
91 100
106 31.2 22.3 41.3



#53
m,p-Xylene
Concen: 2.446 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion: 106 Resp: 31175
Ion Ratio Lower Upper
106 100
91 189.9 145.4 270.0

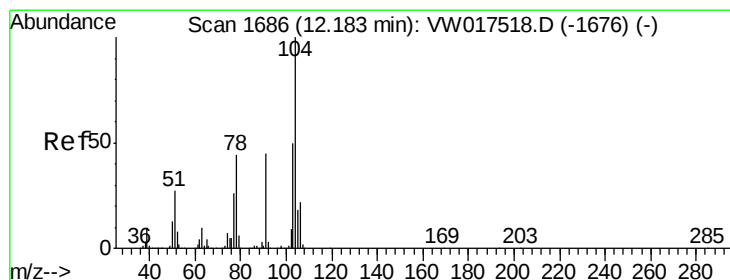
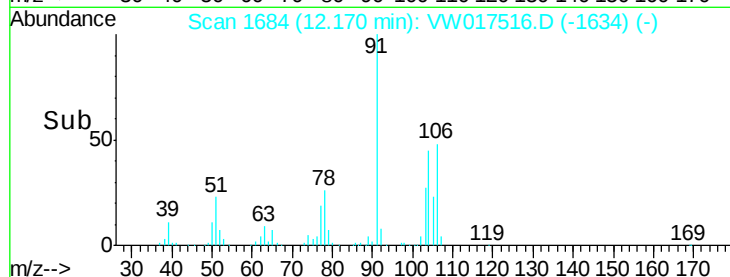
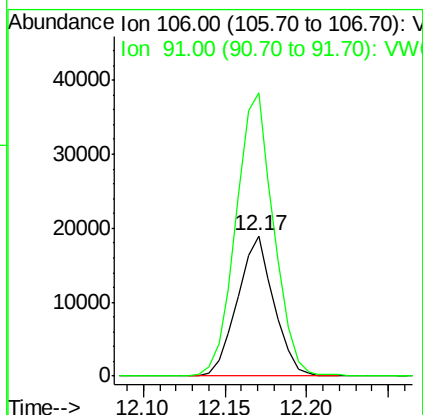
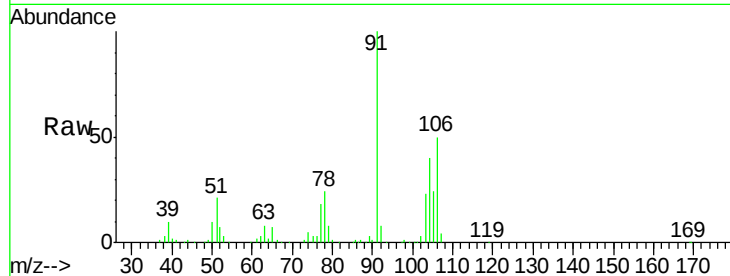




#54
o-Xylene
Concen: 2.442 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

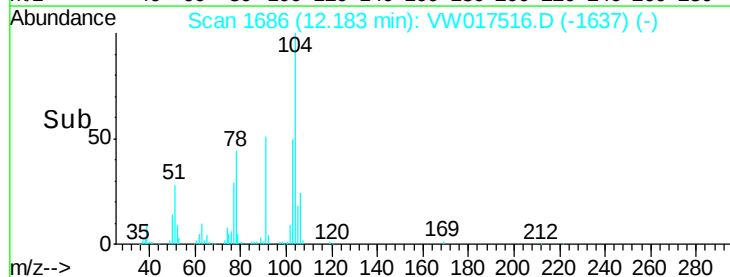
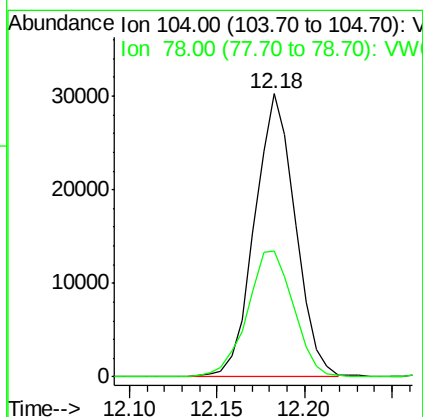
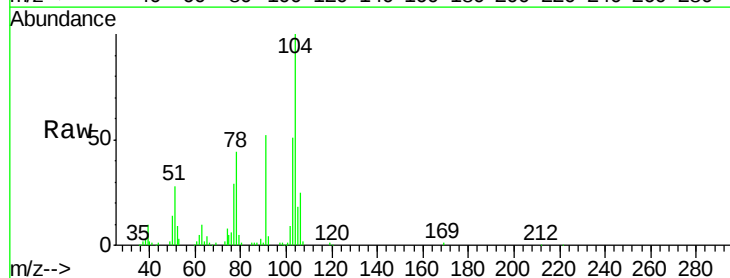
Instrument :
MSVOA_W
ClientSampled :
VSTD2.5102

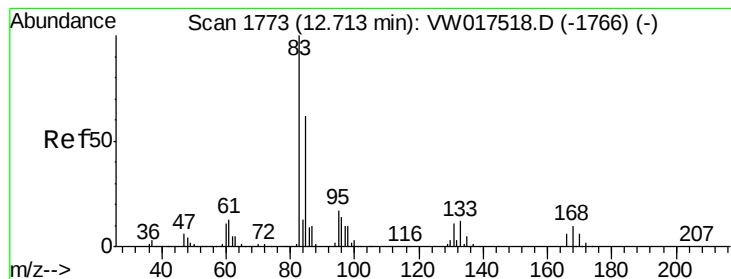
Tgt Ion:106 Resp: 29491
Ion Ratio Lower Upper
106 100
91 201.9 146.0 271.2



#55
Styrene
Concen: 2.415 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017516.D
Acq: 02 Dec 2020 09:46

Tgt Ion:104 Resp: 48724
Ion Ratio Lower Upper
104 100
78 44.4 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.909 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

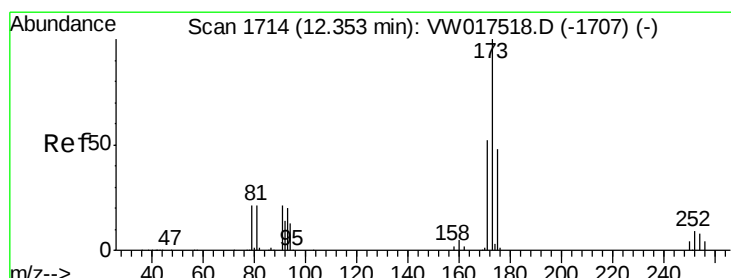
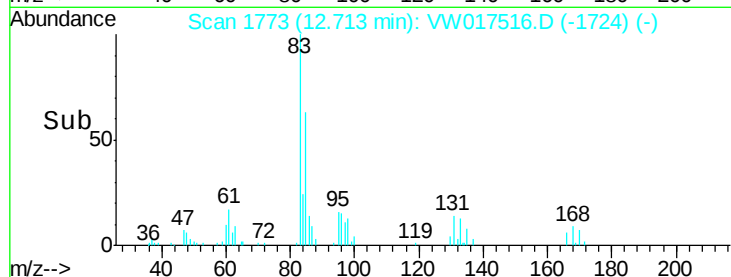
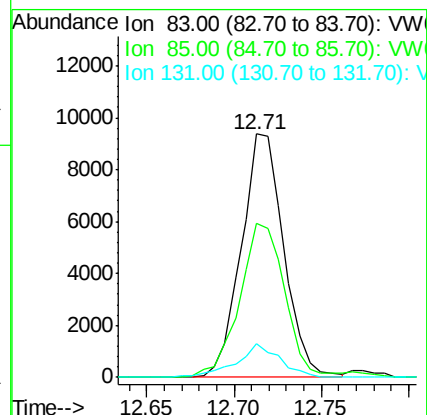
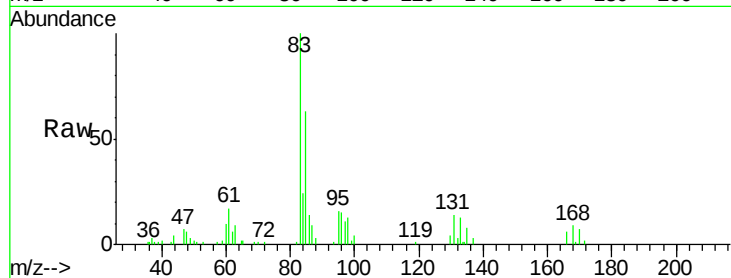
Tgt Ion: 83 Resp: 15826

Ion Ratio Lower Upper

83 100

85 63.1 43.3 80.3

131 14.0 9.1 13.7#



#59

Bromoform

Concen: 2.650 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

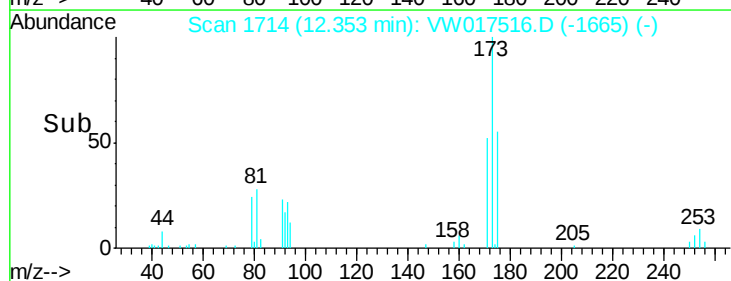
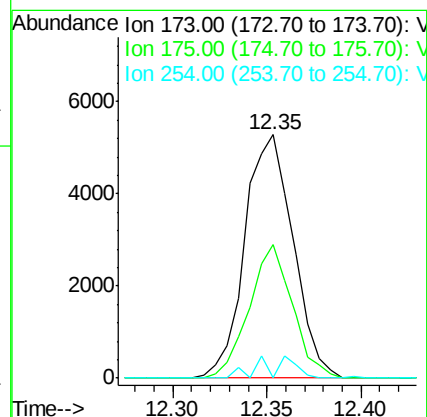
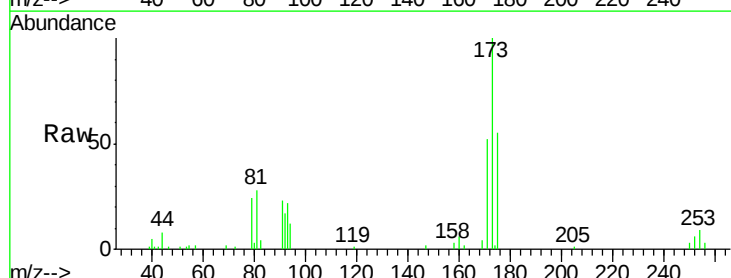
Tgt Ion: 173 Resp: 9370

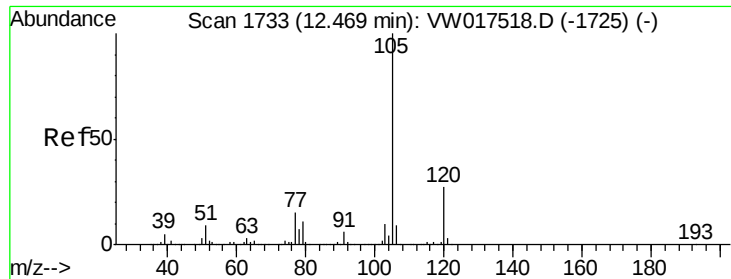
Ion Ratio Lower Upper

173 100

175 49.3 38.9 58.3

254 1.9 6.7 10.1#





#60

Isopropylbenzene

Concen: 2.422 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

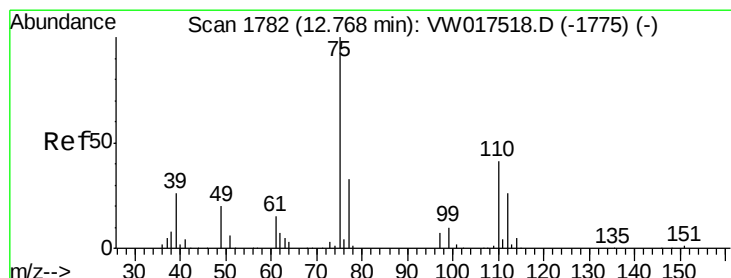
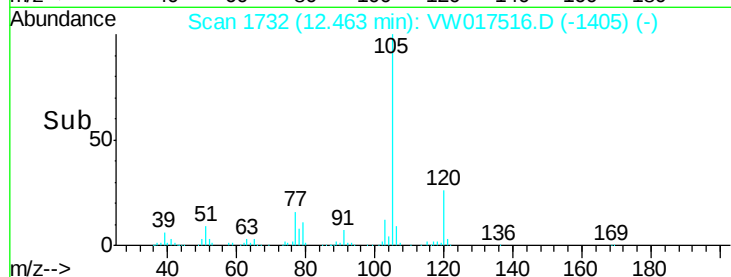
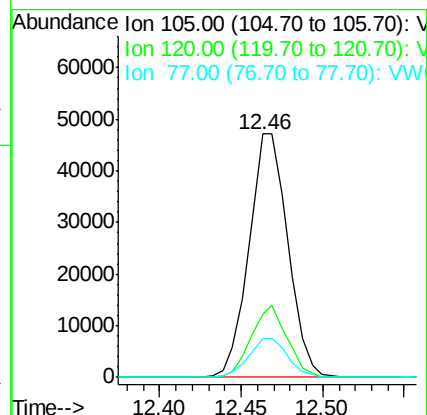
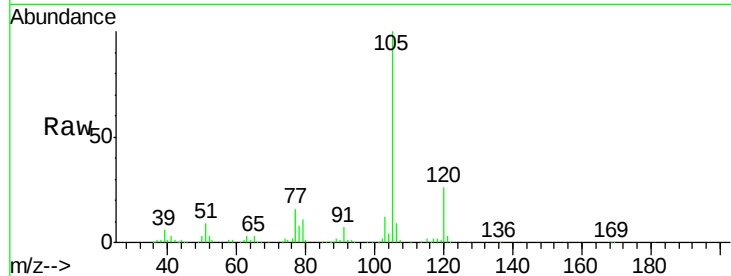
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

Tgt Ion:	105	Resp:	78250
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.5	32.3
77	16.1	12.2	18.4



#61

1,2,3-Trichloropropane

Concen: 3.076 ug/L

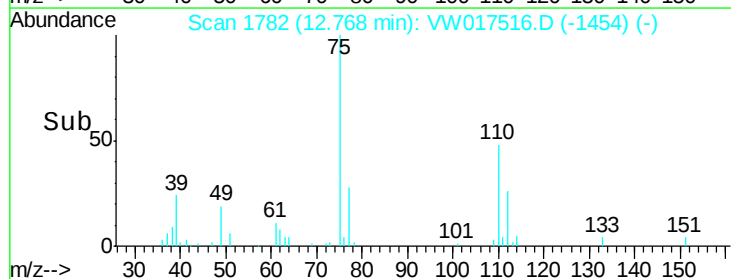
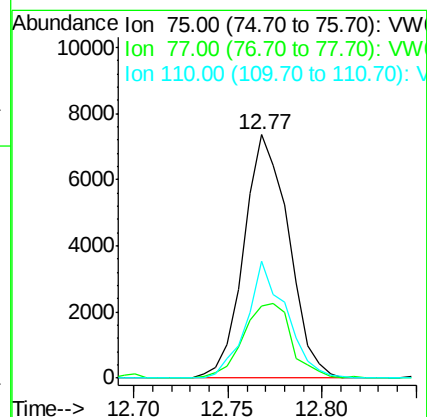
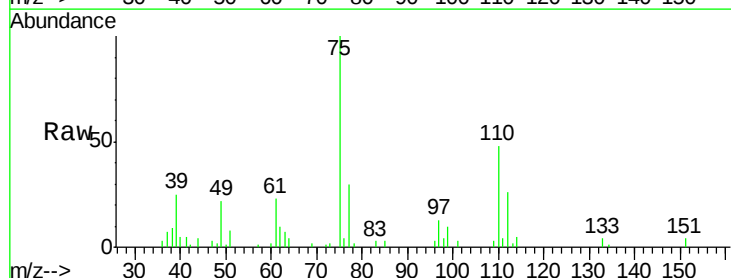
RT: 12.77 min Scan# 1782

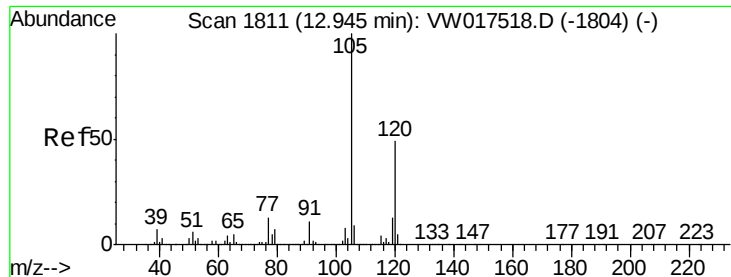
Delta R.T. -0.00 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Tgt Ion:	75	Resp:	12116
Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.6	40.0
110	42.8	34.4	51.6

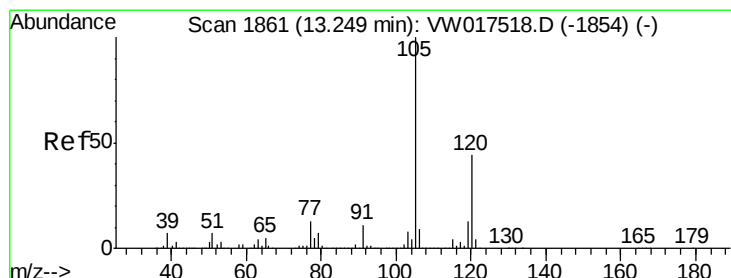
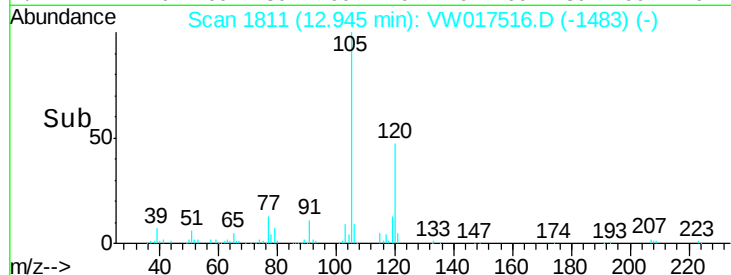
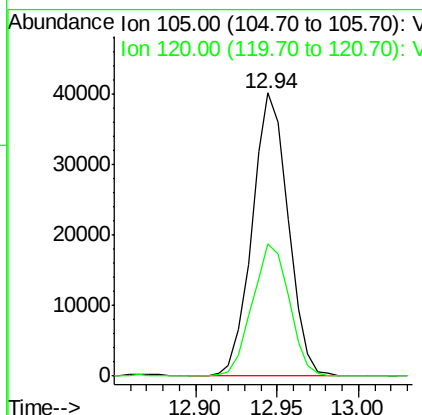
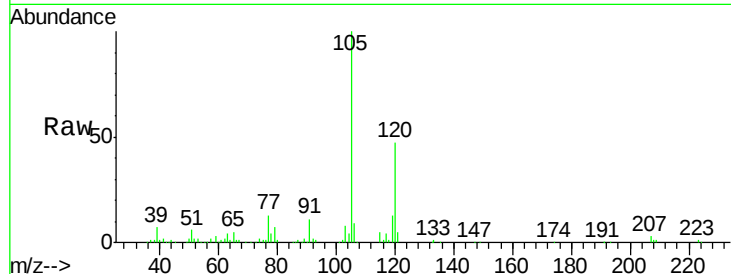




#62
 1,3,5-Trimethylbenzene
 Concen: 2.308 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

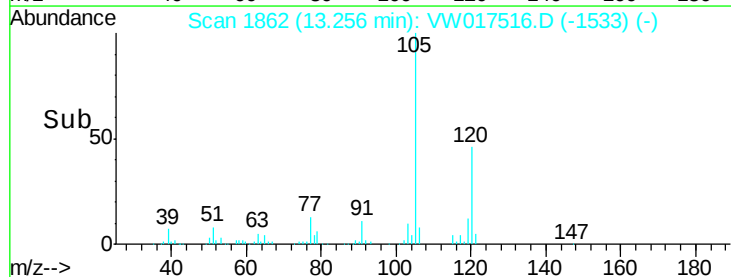
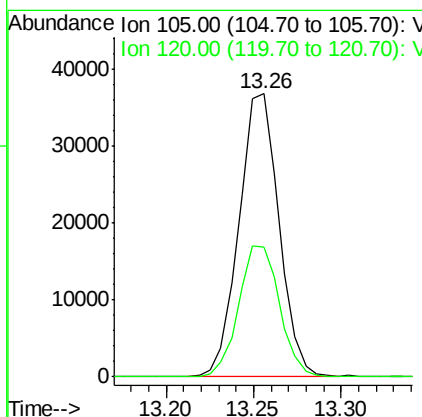
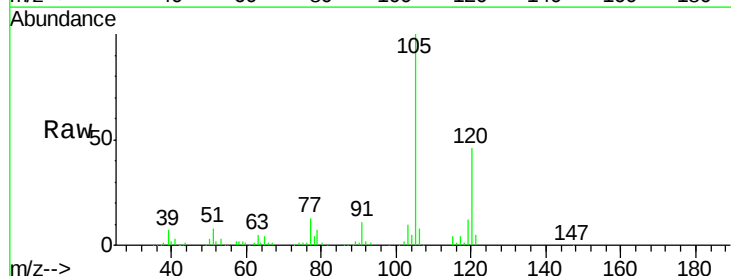
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

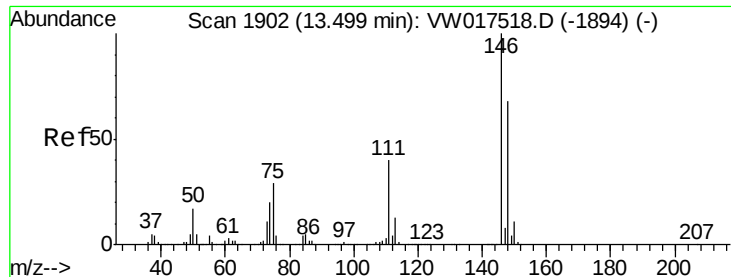
Tgt Ion:105 Resp: 61650
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.9 58.3



#63
 1,2,4-Trimethylbenzene
 Concen: 2.319 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

Tgt Ion:105 Resp: 58852
 Ion Ratio Lower Upper
 105 100
 120 47.3 36.8 55.2

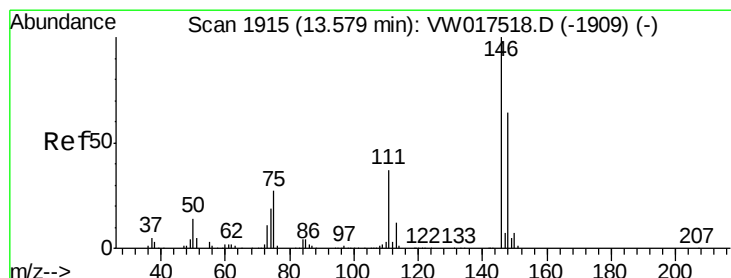
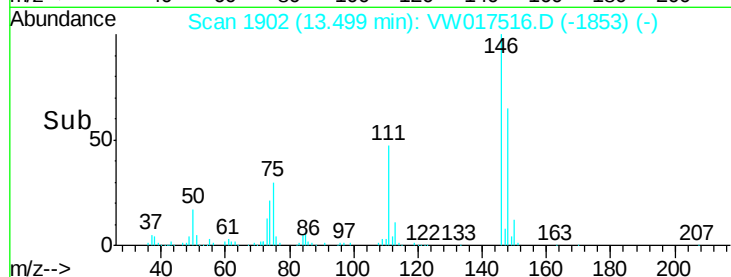
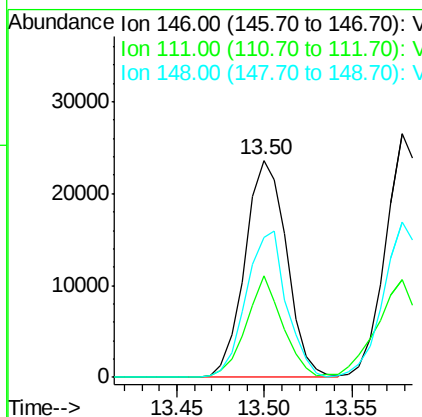
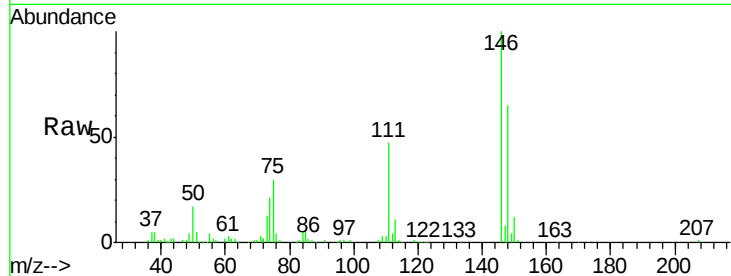




#64
 1,3-Dichlorobenzene
 Concen: 2.518 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

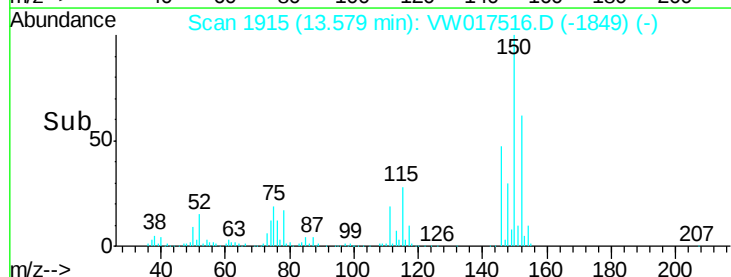
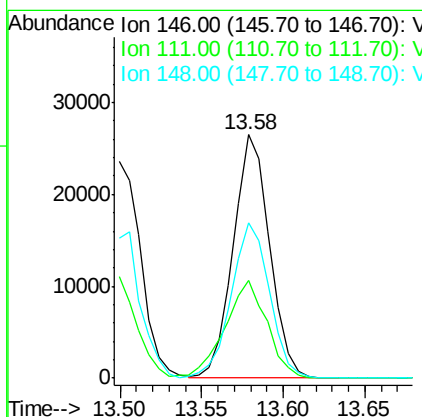
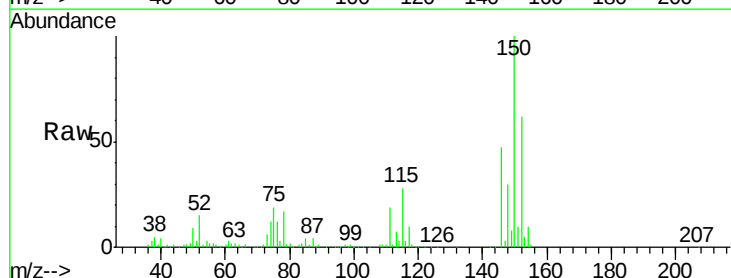
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

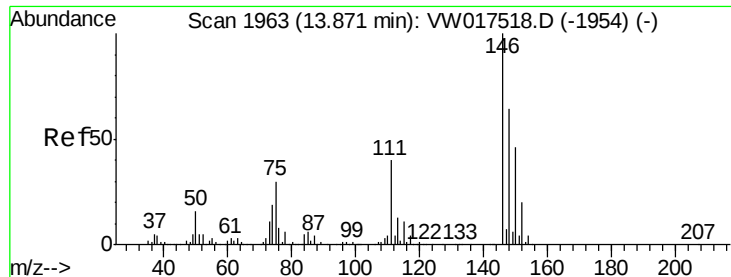
Tgt Ion:146 Resp: 39207
 Ion Ratio Lower Upper
 146 100
 111 46.6 27.9 51.9
 148 64.5 47.3 87.8



#65
 1,4-Dichlorobenzene
 Concen: 2.659 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

Tgt Ion:146 Resp: 41163
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.3 48.9
 148 63.9 44.9 83.3

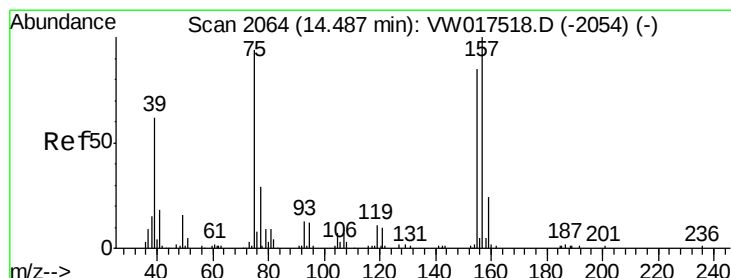
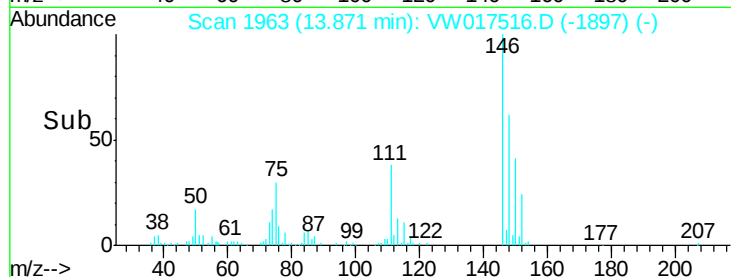
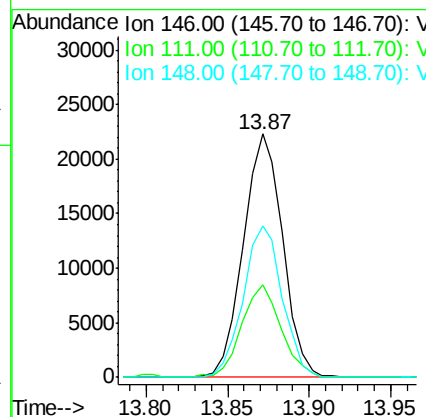
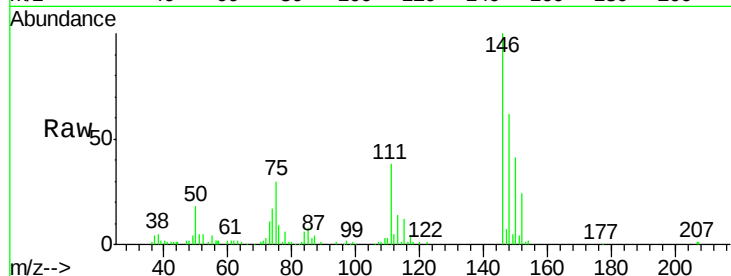




#67
 1,2-Dichlorobenzene
 Concen: 2.753 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

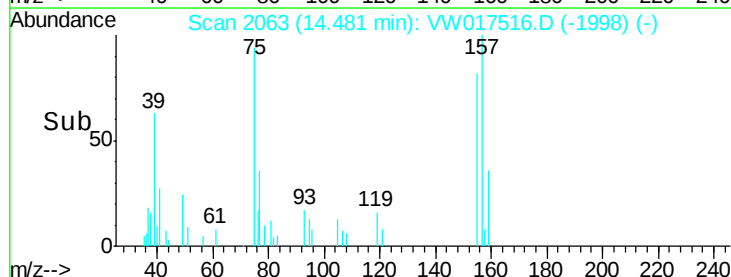
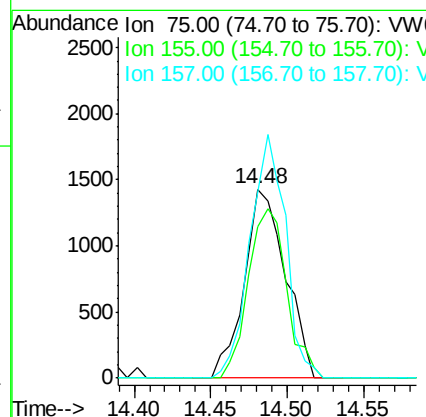
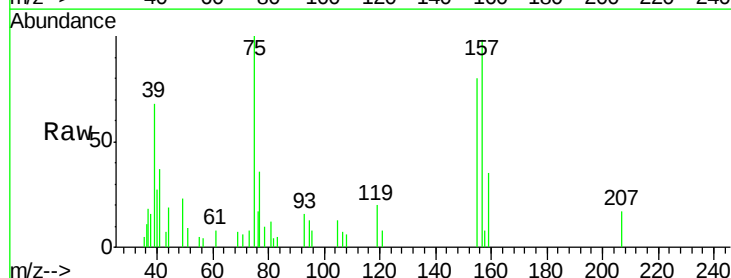
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

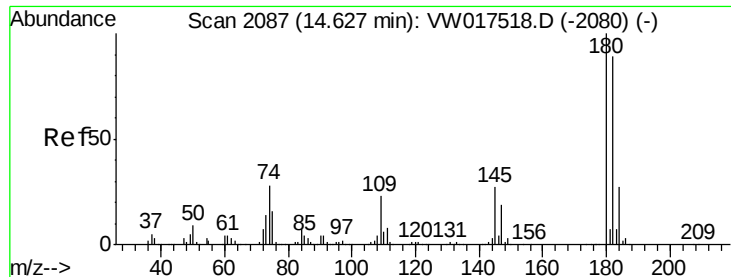
Tgt Ion:146 Resp: 37396
 Ion Ratio Lower Upper
 146 100
 111 38.1 32.4 48.6
 148 62.2 51.3 76.9



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.198 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

Tgt Ion: 75 Resp: 2678
 Ion Ratio Lower Upper
 75 100
 155 80.4 72.6 109.0
 157 98.0 85.2 127.8

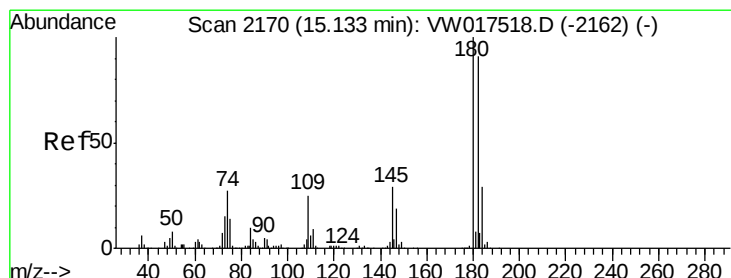
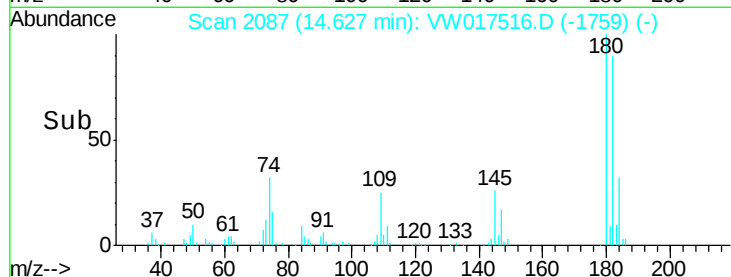
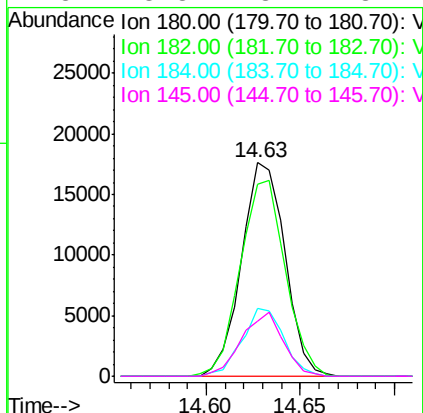
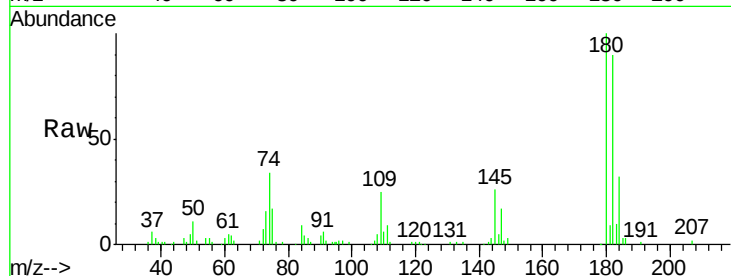




#69
 1,3,5-Trichlorobenzene
 Concen: 2.467 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

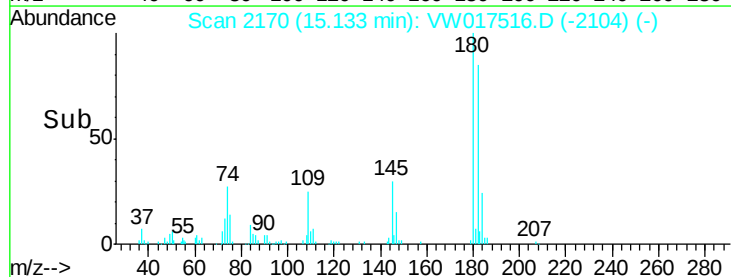
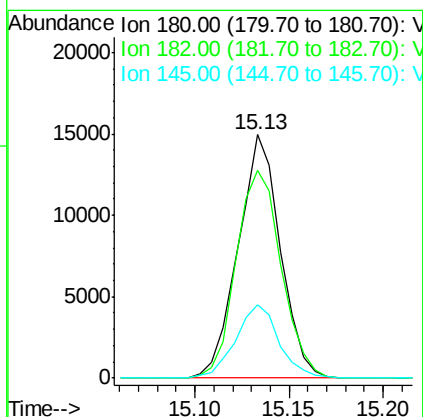
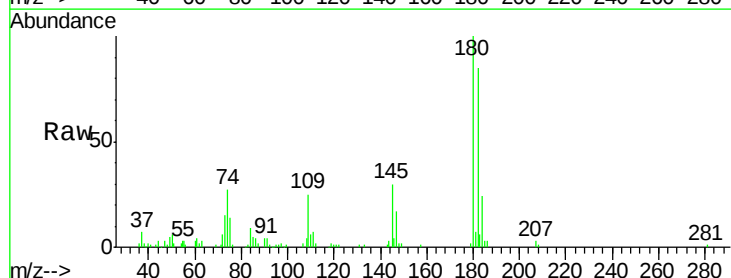
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5102

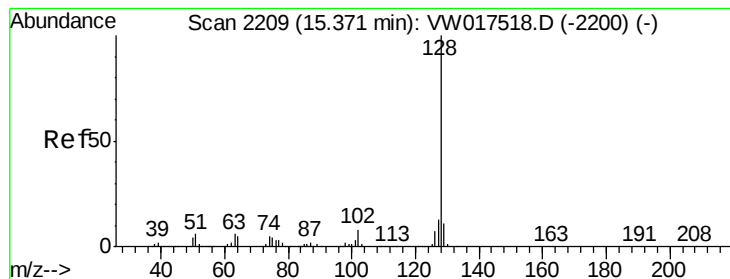
Tgt Ion:	180	Resp:	28222
Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.9	112.3
184	30.5	23.8	35.6
145	28.8	23.1	34.7



#70
 1,2,4-trichlorobenzene
 Concen: 2.515 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017516.D
 Acq: 02 Dec 2020 09:46

Tgt Ion:	180	Resp:	23163
Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.8	115.2
145	31.1	24.5	36.7





#71

Naphthalene

Concen: 2.322 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5102

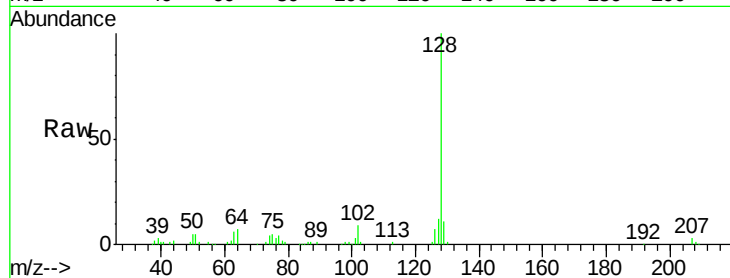
Tgt Ion:128 Resp: 35014

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

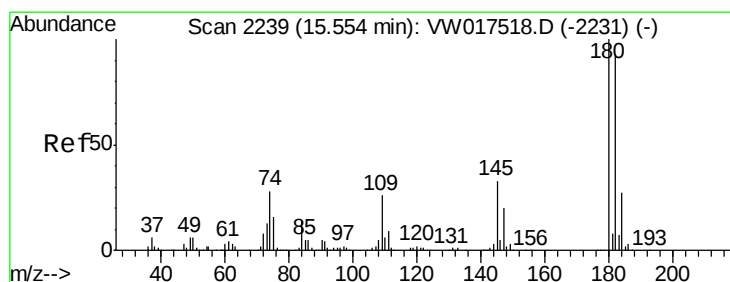
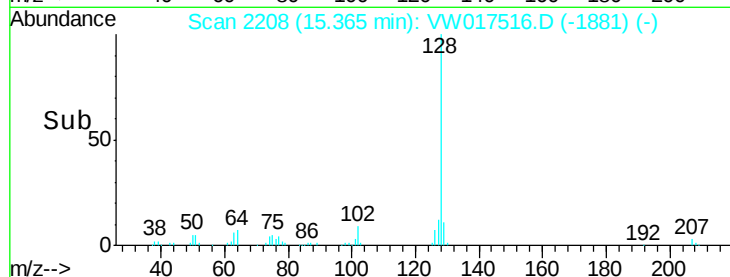
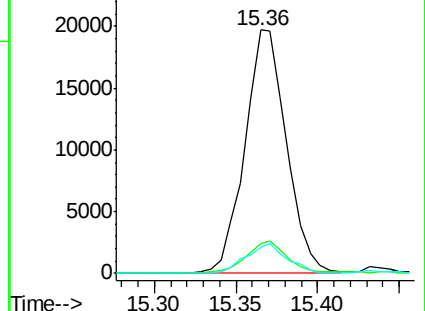
129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 2.568 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017516.D

Acq: 02 Dec 2020 09:46

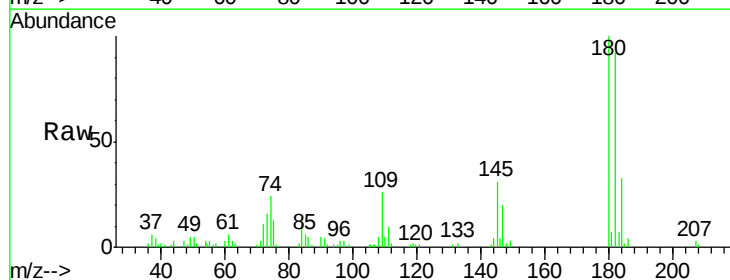
Tgt Ion:180 Resp: 20263

Ion Ratio Lower Upper

180 100

182 94.1 79.0 118.6

145 31.8 26.8 40.2



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

