

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091820\
 Data File : VW016577.D
 Acq On : 18 Sep 2020 10:34
 Operator : SY/VA
 Sample : VSTD00506
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005106

Quant Time: Sep 18 12:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 18 12:48:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	586480	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	519483	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	261534	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	31043	4.74	ug/L	0.00
7) Chloroethane-d5	2.90	69	26331	4.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	68183	4.93	ug/L	0.00
21) 2-Butanone-d5	7.09	46	17442	11.77	ug/L	0.00
24) Chloroform-d	7.66	84	68401	4.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	36474	5.17	ug/L	0.00
32) Benzene-d6	8.28	84	133388	5.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	37160	5.09	ug/L	0.00
41) Toluene-d8	10.33	98	128785	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.59	79	17704	5.00	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	12748	11.10	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	31422	5.53	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	47058	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.03	85	34752	4.914 ug/L	93
3) Chloromethane	2.22	50	27372	4.884 ug/L	94
5) Vinyl chloride	2.37	62	41410	5.155 ug/L	96
6) Bromomethane	2.79	94	31239	5.062 ug/L	98
8) Chloroethane	2.94	64	23965	5.018 ug/L	98
9) Trichlorofluoromethane	3.28	101	34641	4.546 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	39403	5.210 ug/L	95
12) 1,1-Dichloroethene	4.05	96	37619	4.972 ug/L	93
13) Acetone	4.15	43	12794	12.503 ug/L	100
14) Carbon disulfide	4.40	76	113043	5.032 ug/L	98
15) Methyl Acetate	4.69	43	13882	5.659 ug/L	98
16) Methylene chloride	4.93	84	48849	5.683 ug/L	96
17) trans-1,2-Dichloroethene	5.44	96	40069	5.105 ug/L	95
18) Methyl tert-butyl Ether	5.44	73	53541	5.554 ug/L	99
19) 1,1-Dichloroethane	6.23	63	63272	5.089 ug/L	95
20) cis-1,2-Dichloroethene	7.18	96	42026	5.151 ug/L	98
22) 2-Butanone	7.18	43	20871	12.282 ug/L	96
23) Bromochloromethane	7.52	128	20264	5.283 ug/L	96
25) Chloroform	7.68	83	70279	5.167 ug/L	97
27) 1,2-Dichloroethane	8.40	62	45725	5.415 ug/L	97
29) Cyclohexane	7.96	56	59993	5.173 ug/L	97
30) 1,1,1-Trichloroethane	7.88	97	62578	5.056 ug/L	100
31) Carbon tetrachloride	8.07	117	60361	5.008 ug/L	100
33) Benzene	8.33	78	148455	5.159 ug/L	100
34) Trichloroethene	9.10	95	41602	5.040 ug/L	97
35) Methylcyclohexane	9.34	83	69561	5.045 ug/L	98
37) 1,2-Dichloropropane	9.37	63	34098	5.196 ug/L	# 95
38) Bromodichloromethane	9.65	83	49709	5.108 ug/L	98
39) cis-1,3-Dichloropropene	10.08	75	58158	5.192 ug/L	96
40) 4-Methyl-2-pentanone	10.21	43	44524	12.110 ug/L	99

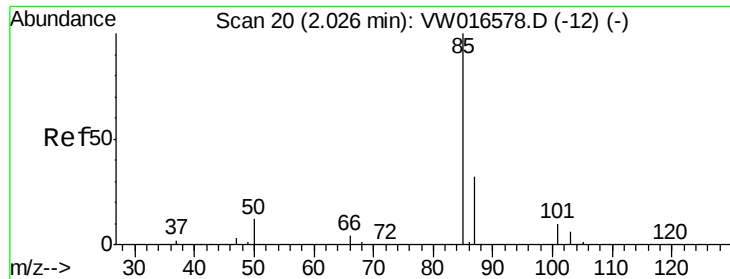
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091820\
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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	166669	5.141	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	50502	5.257	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	29081	5.456	ug/L	97
46) Tetrachloroethene	10.87	164	37927	5.093	ug/L	93
48) 2-Hexanone	10.98	43	26797	11.548	ug/L	100
49) Dibromochloromethane	11.13	129	37070	5.299	ug/L	96
50) 1,2-Dibromoethane	11.24	107	28708	5.439	ug/L	96
51) Chlorobenzene	11.66	112	110594	5.144	ug/L	100
52) Ethylbenzene	11.73	91	185711	5.087	ug/L	98
53) m,p-Xylene	11.84	106	72606	5.106	ug/L	97
54) o-Xylene	12.17	106	67091	4.985	ug/L	95
55) Styrene	12.18	104	111294	4.966	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.72	83	32764	5.710	ug/L	99
59) Bromoform	12.35	173	22492	5.327	ug/L	97
60) Isopropylbenzene	12.47	105	186580	4.886	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	24414	5.665	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	154167	4.906	ug/L	98
63) 1,2,4-Trimethylbenzene	13.26	105	153705	4.922	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	90099	5.142	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	87553	5.094	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	79181	5.107	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.49	75	5805	5.730	ug/L	93
69) 1,3,5-Trichlorobenzene	14.63	180	64142	4.959	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	50434	4.828	ug/L	97
71) Naphthalene	15.37	128	90270	5.149	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	44221	5.042	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.914 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

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MSVOA_W

ClientSampleId :

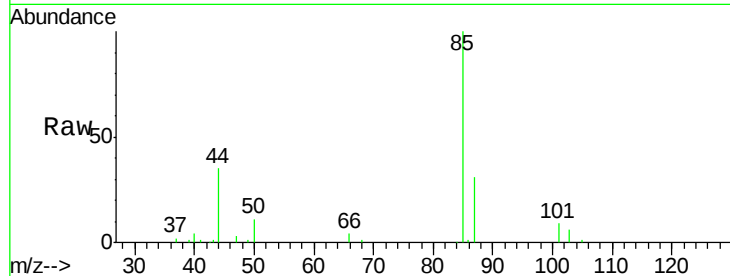
VSTD005106

Tgt Ion: 85 Resp: 34752

Ion Ratio Lower Upper

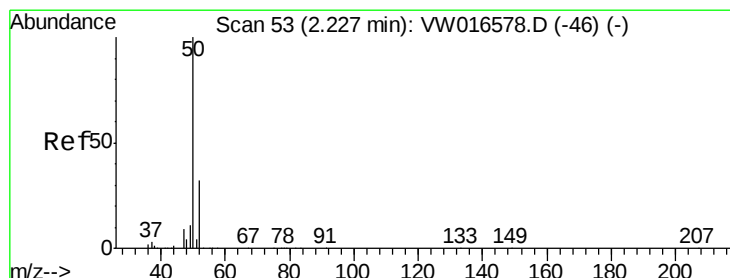
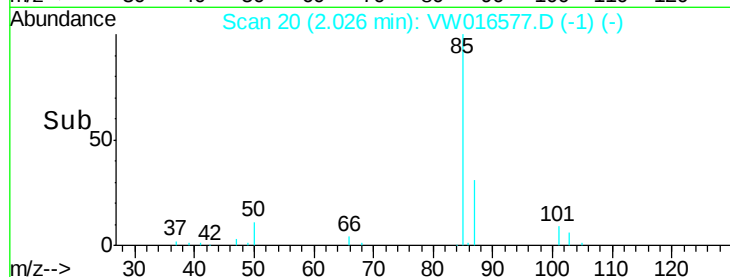
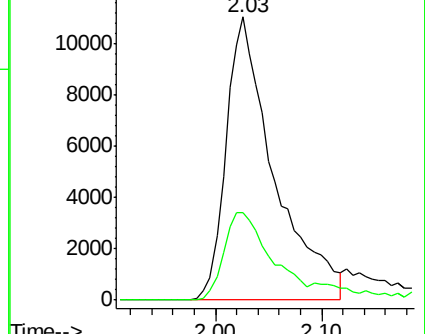
85 100

87 30.3 21.4 32.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.884 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016577.D

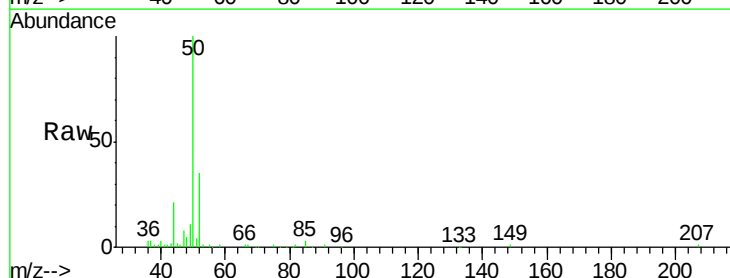
Acq: 18 Sep 2020 10:34

Tgt Ion: 50 Resp: 27372

Ion Ratio Lower Upper

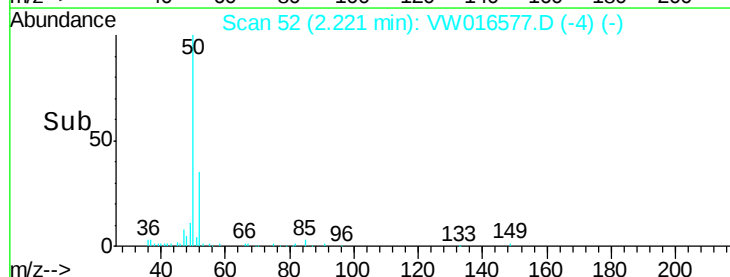
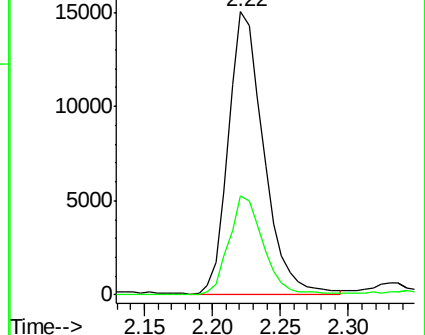
50 100

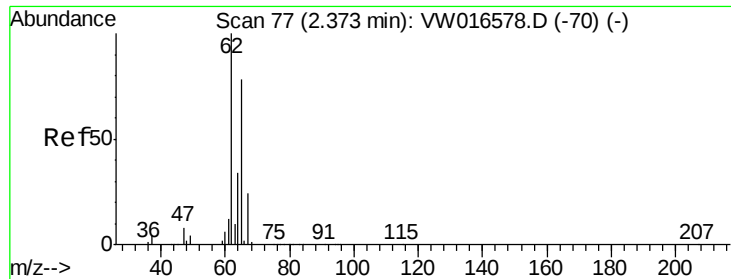
52 34.8 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.155 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

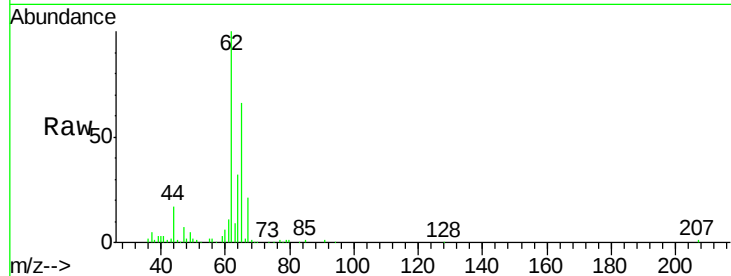
VSTD005106

Tgt Ion: 62 Resp: 41410

Ion Ratio Lower Upper

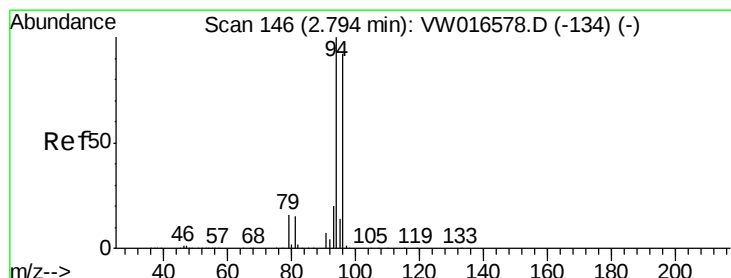
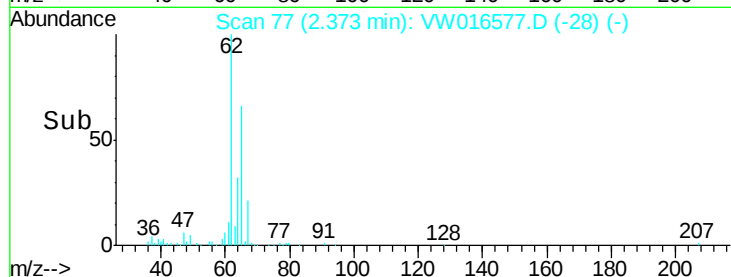
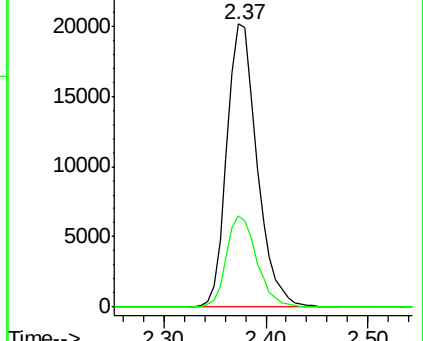
62 100

64 32.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 5.062 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016577.D

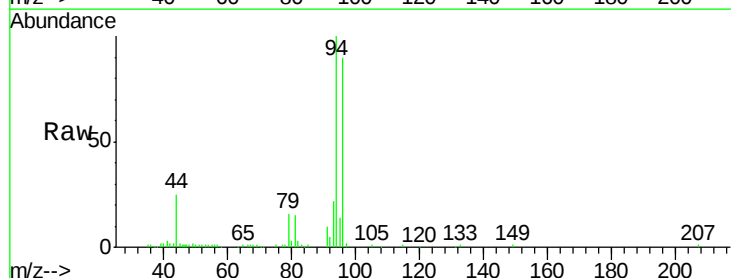
Acq: 18 Sep 2020 10:34

Tgt Ion: 94 Resp: 31239

Ion Ratio Lower Upper

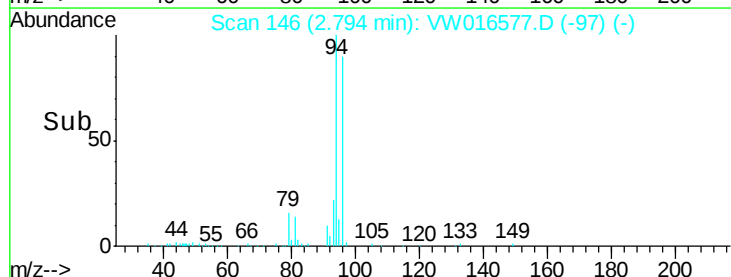
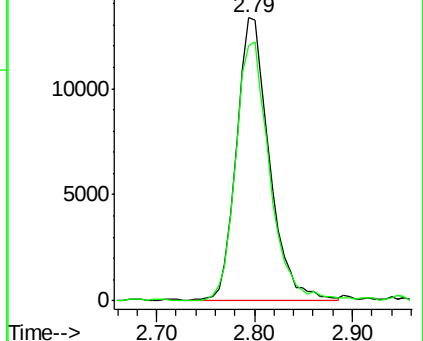
94 100

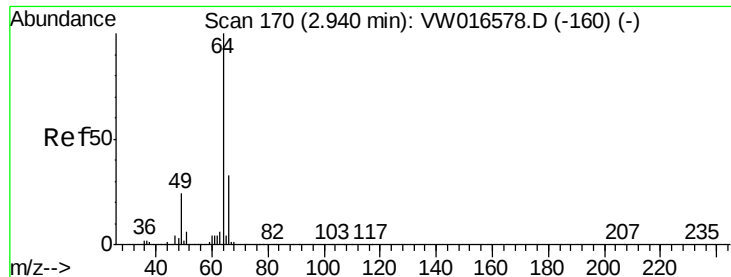
96 90.1 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 5.018 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

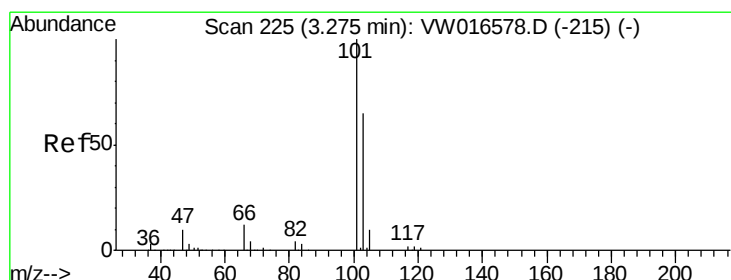
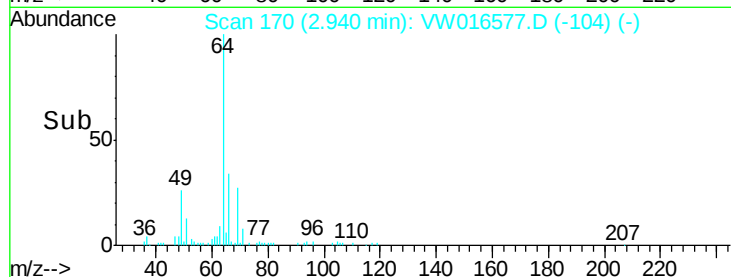
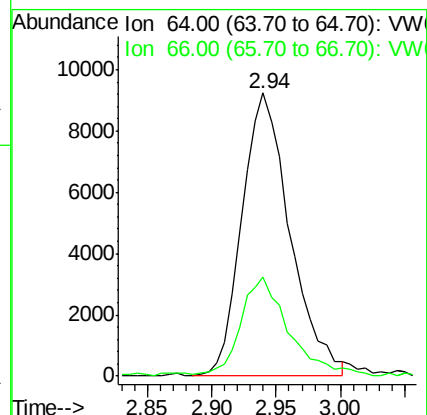
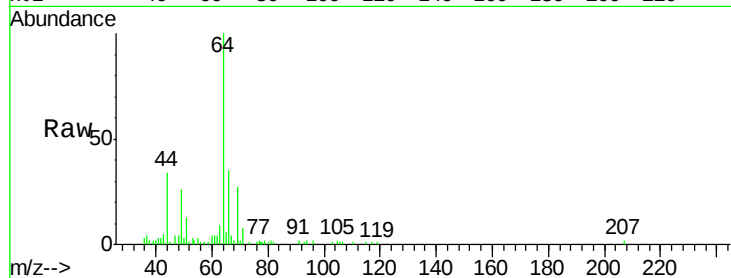
VSTD005106

Tgt Ion: 64 Resp: 23965

Ion Ratio Lower Upper

64 100

66 34.9 23.5 43.7



#9

Trichlorofluoromethane

Concen: 4.546 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016577.D

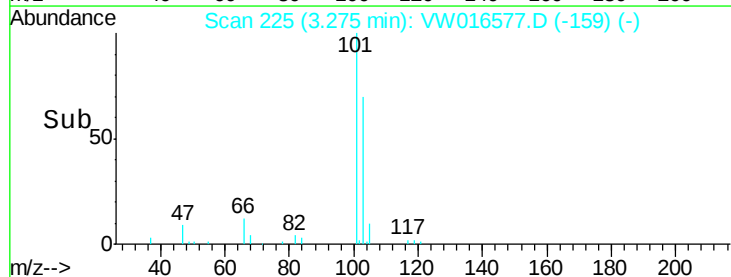
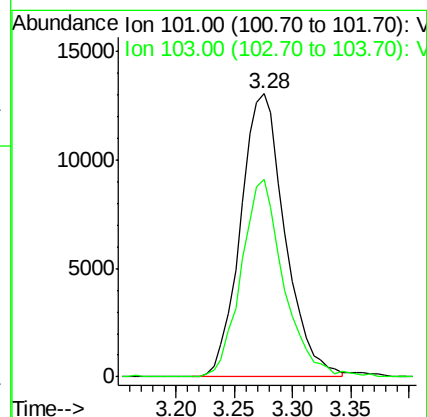
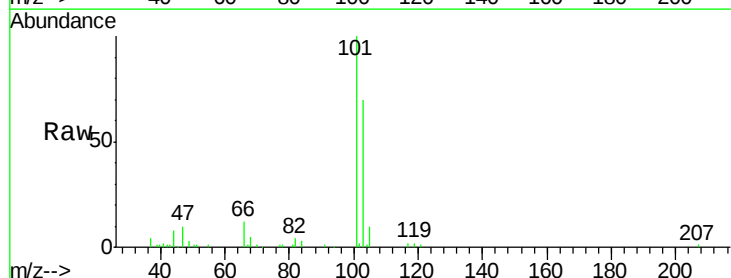
Acq: 18 Sep 2020 10:34

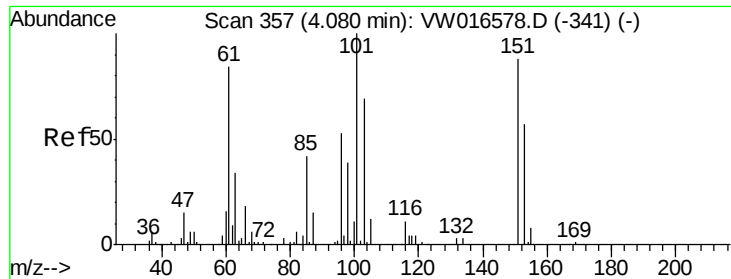
Tgt Ion: 101 Resp: 34641

Ion Ratio Lower Upper

101 100

103 65.8 51.8 77.8





#10

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

Concen: 5.210 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD005106

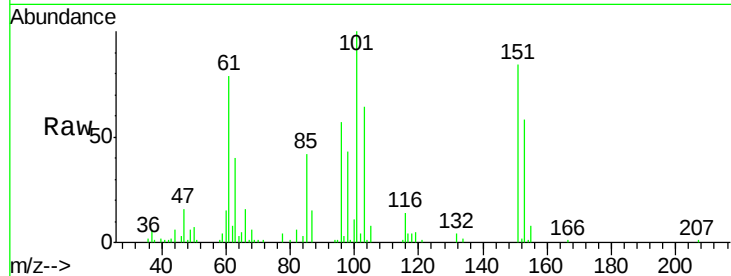
Tgt Ion: 101 Resp: 39403

Ion Ratio Lower Upper

101 100

85 40.0 32.2 48.2

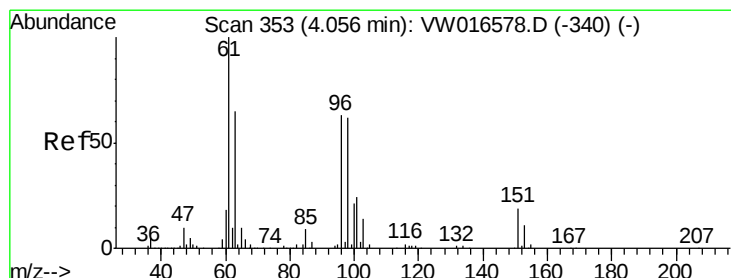
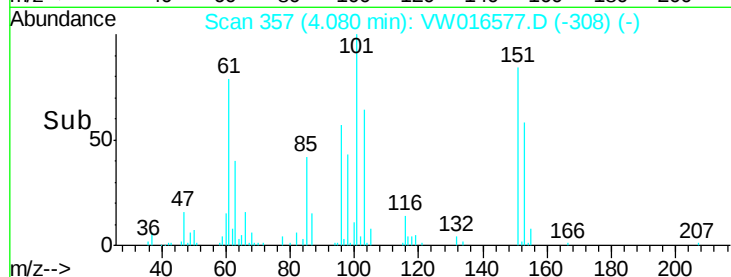
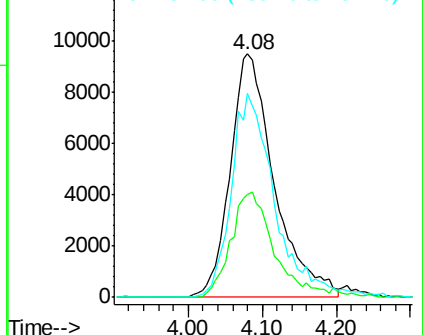
151 76.5 66.8 100.2



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: 4.972 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

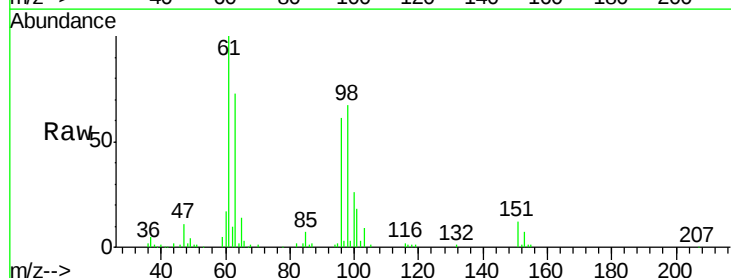
Tgt Ion: 96 Resp: 37619

Ion Ratio Lower Upper

96 100

61 163.7 112.1 208.3

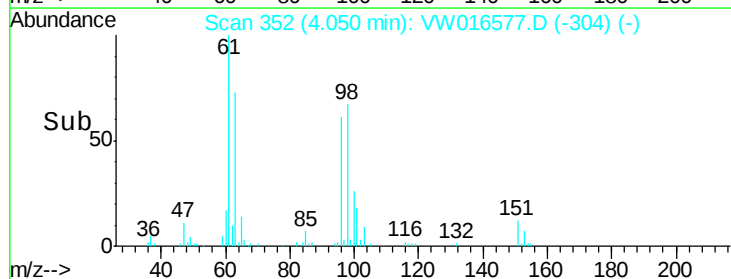
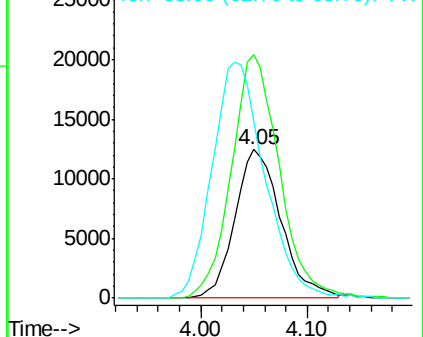
63 119.0 74.2 137.8

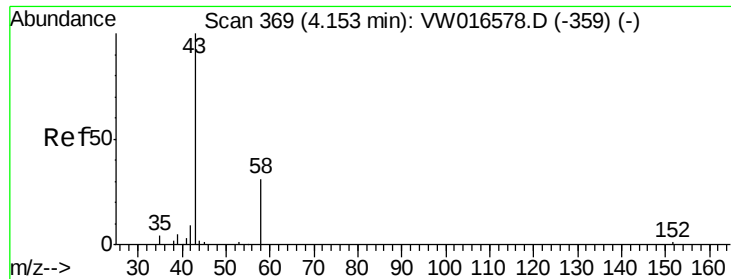


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 12.503 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

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ClientSampleId :

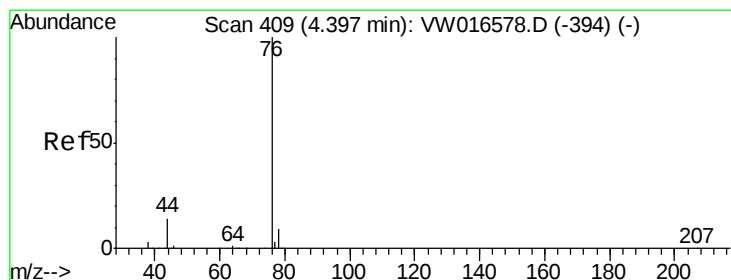
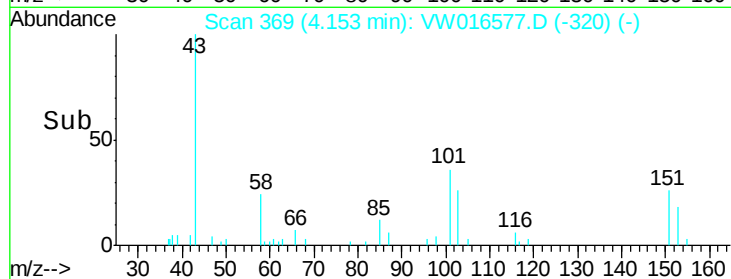
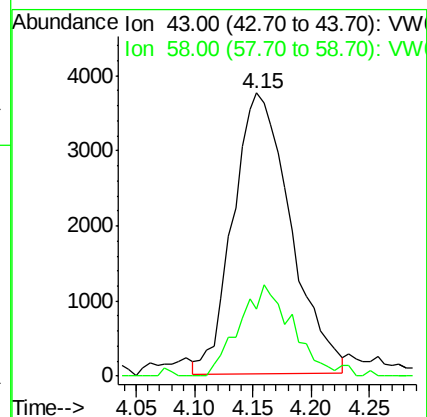
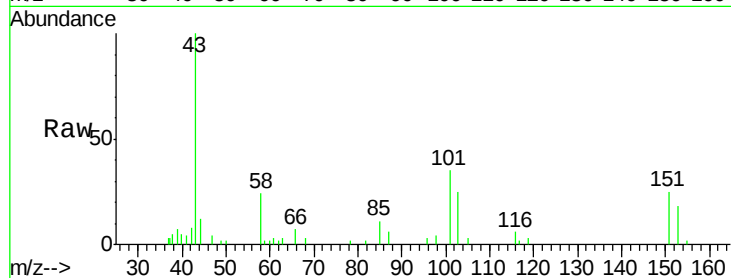
VSTD005106

Tgt Ion: 43 Resp: 12794

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.4



#14

Carbon disulfide

Concen: 5.032 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016577.D

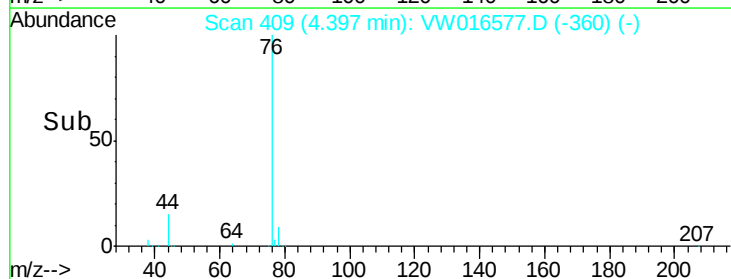
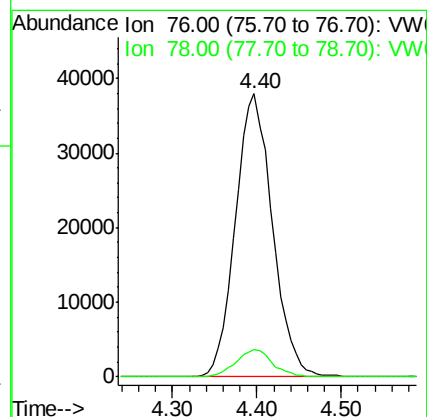
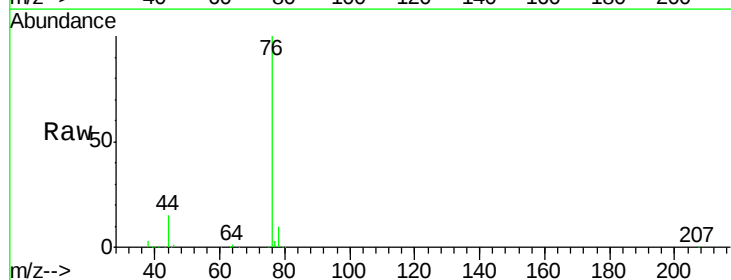
Acq: 18 Sep 2020 10:34

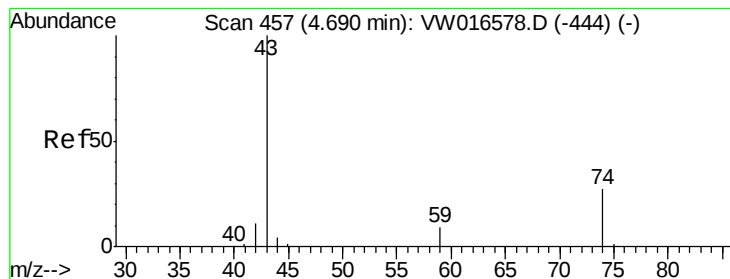
Tgt Ion: 76 Resp: 113043

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9





#15

Methyl Acetate

Concen: 5.659 ug/L

RT: 4.69 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

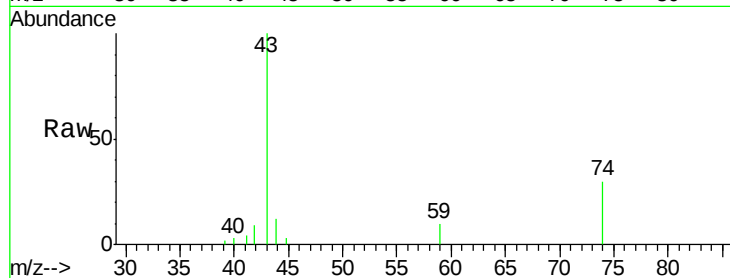
VSTD005106

Tgt Ion: 43 Resp: 13882

Ion Ratio Lower Upper

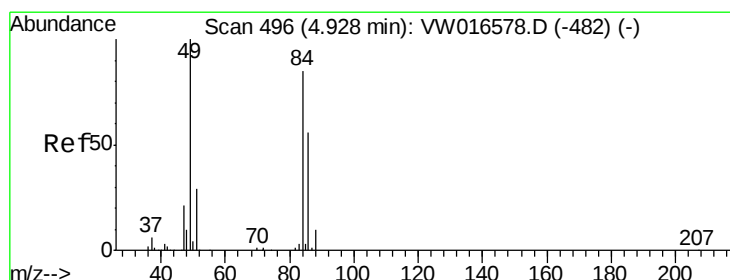
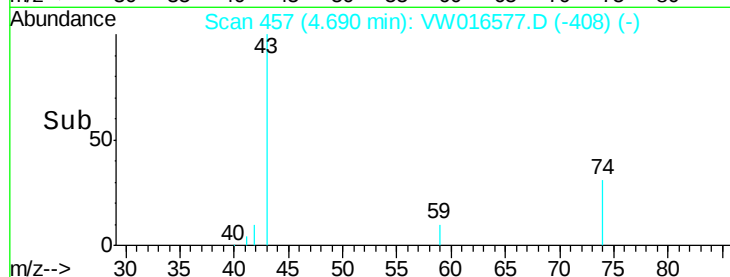
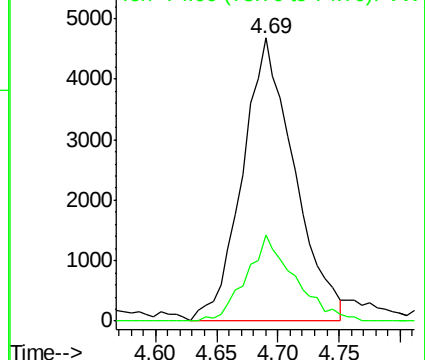
43 100

74 28.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 5.683 ug/L

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

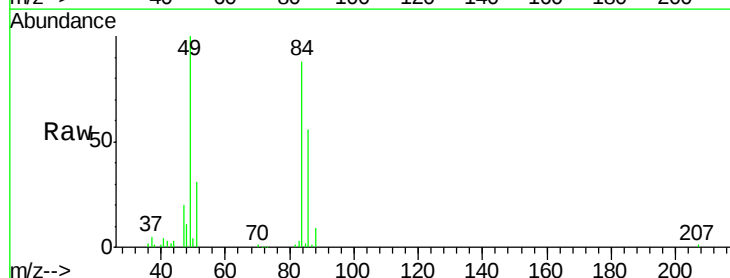
Tgt Ion: 84 Resp: 48849

Ion Ratio Lower Upper

84 100

86 63.4 46.2 85.8

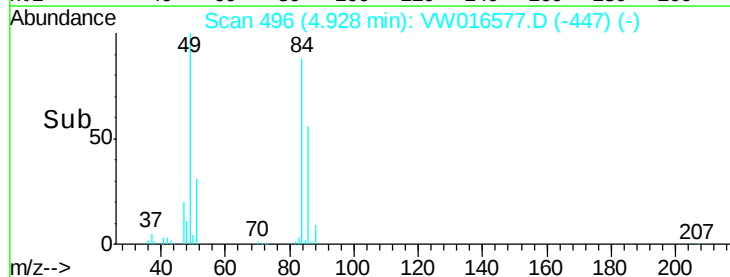
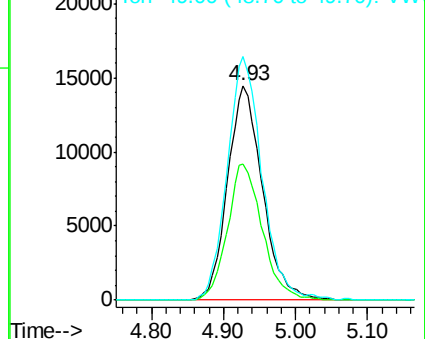
49 113.5 82.8 153.8

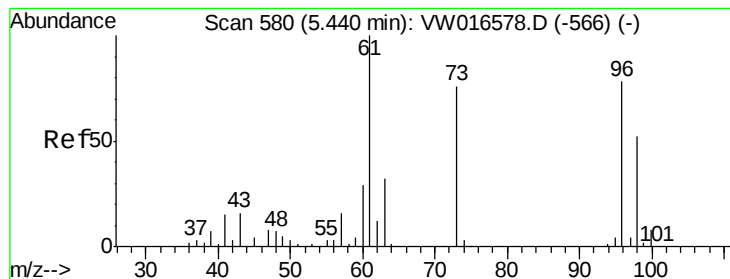


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 86.00 (85.70 to 86.70): VW

Ion 49.00 (48.70 to 49.70): VW





#17

trans-1,2-Dichloroethene

Concen: 5.105 ug/L

RT: 5.44 min Scan# 580

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD005106

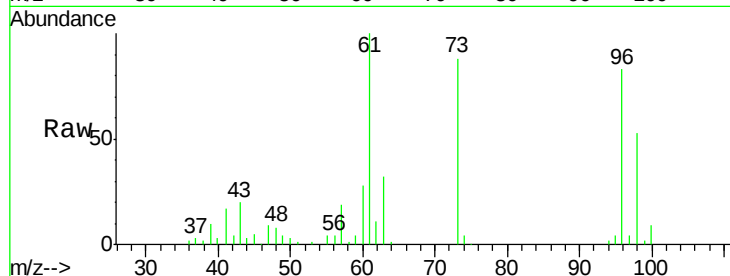
Tgt Ion: 96 Resp: 40069

Ion Ratio Lower Upper

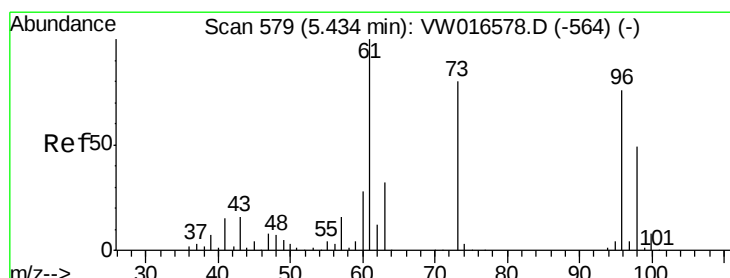
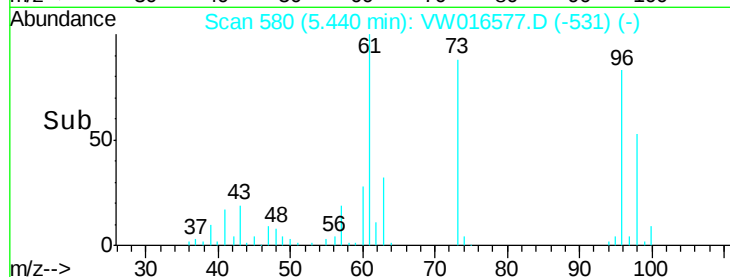
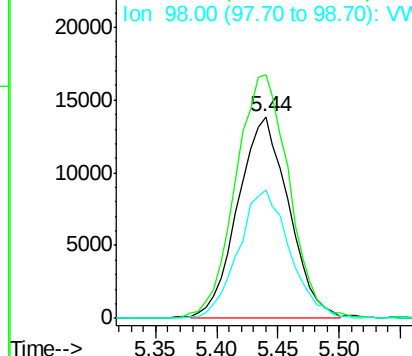
96 100

61 120.9 89.7 166.7

98 63.7 46.4 86.2



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



#18

Methyl tert-butyl Ether

Concen: 5.554 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

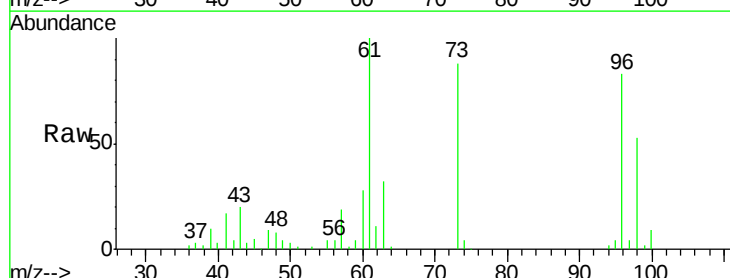
Tgt Ion: 73 Resp: 53541

Ion Ratio Lower Upper

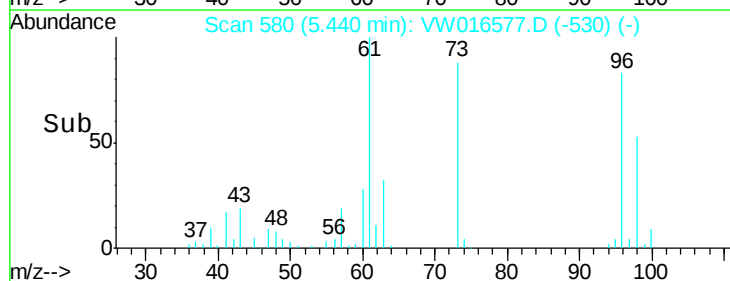
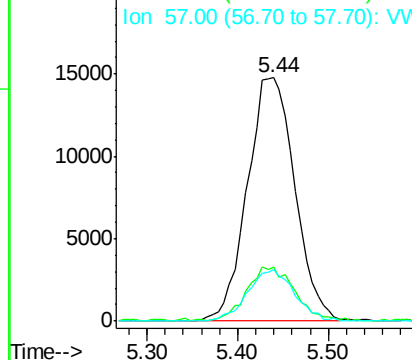
73 100

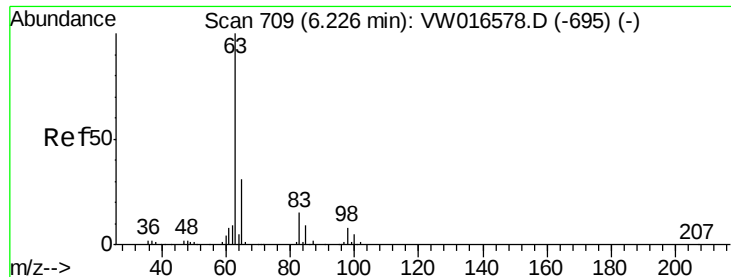
43 22.5 17.0 25.6

57 20.6 16.3 24.5



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: 5.089 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTD005106

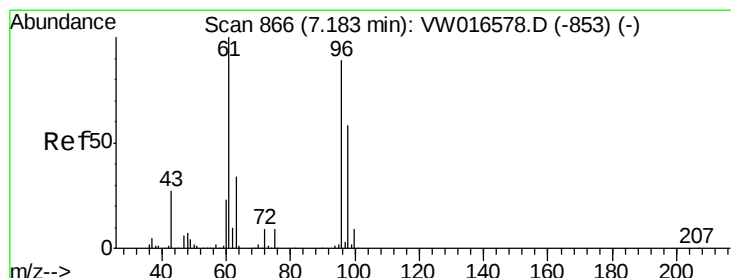
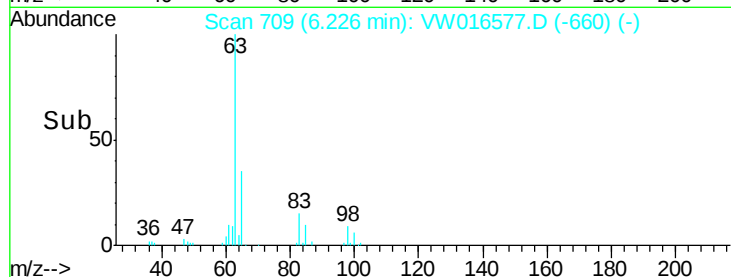
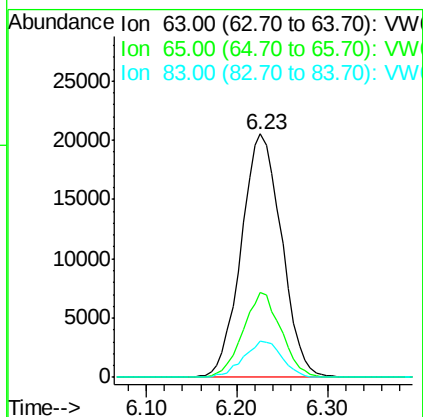
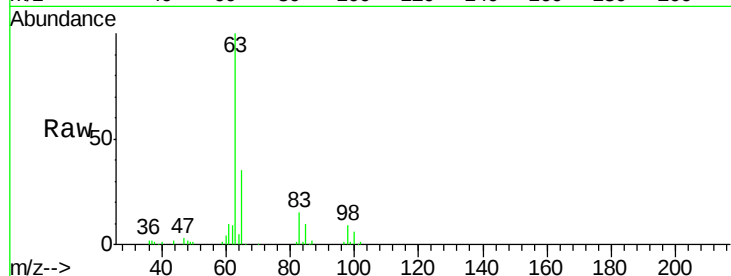
Tgt Ion: 63 Resp: 63272

Ion Ratio Lower Upper

63 100

65 35.1 21.8 40.6

83 14.8 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 5.151 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

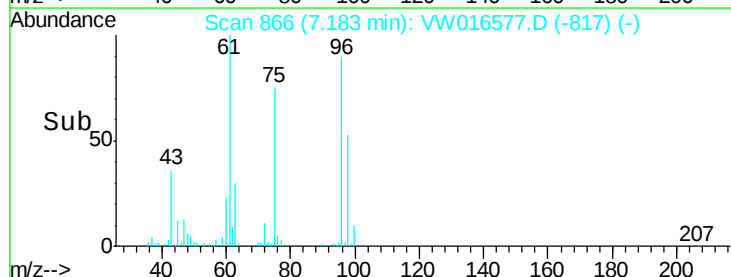
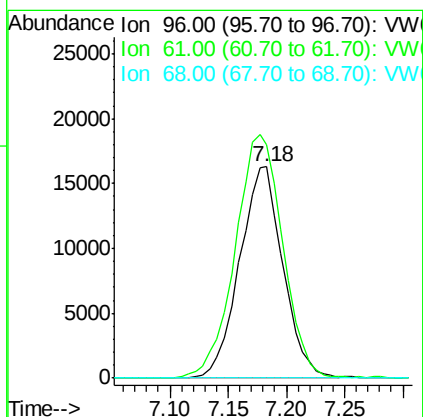
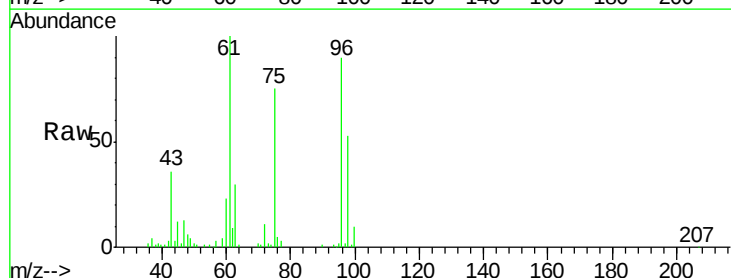
Tgt Ion: 96 Resp: 42026

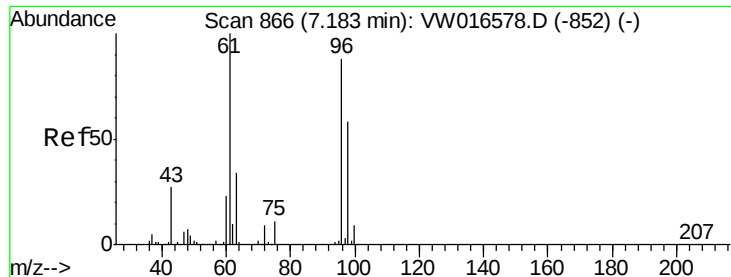
Ion Ratio Lower Upper

96 100

61 110.5 79.2 147.0

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.282 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

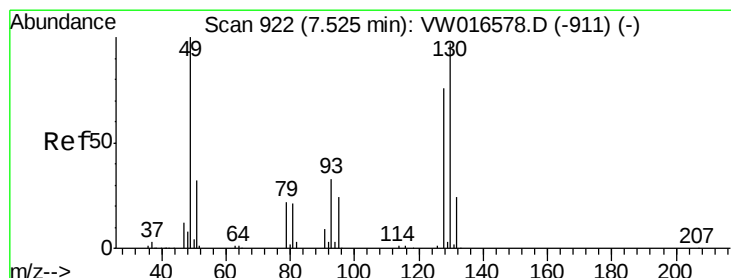
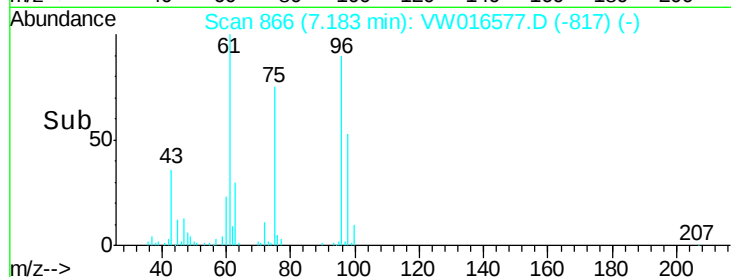
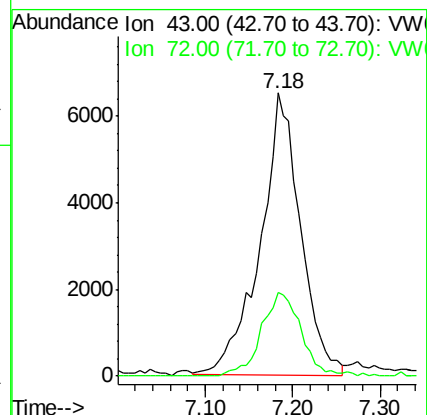
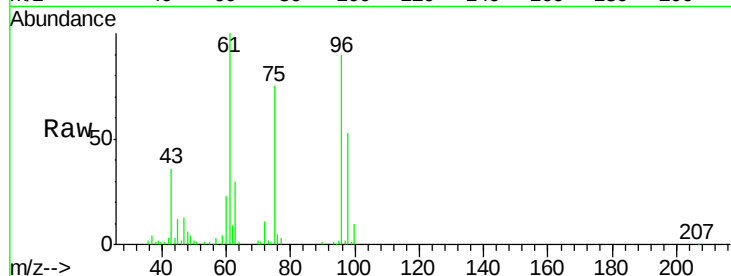
VSTD005106

Tgt Ion: 43 Resp: 20871

Ion Ratio Lower Upper

43 100

72 28.9 15.7 47.0



#23

Bromochloromethane

Concen: 5.283 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Tgt Ion: 128 Resp: 20264

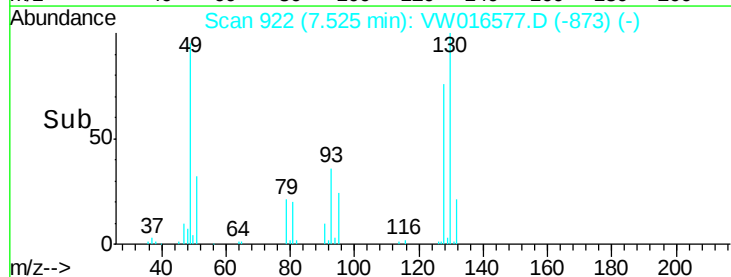
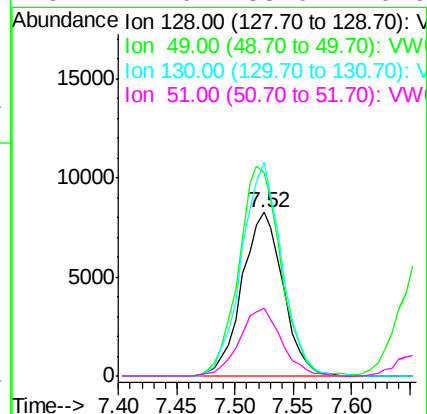
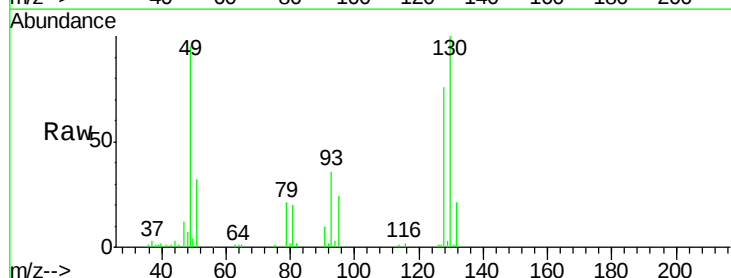
Ion Ratio Lower Upper

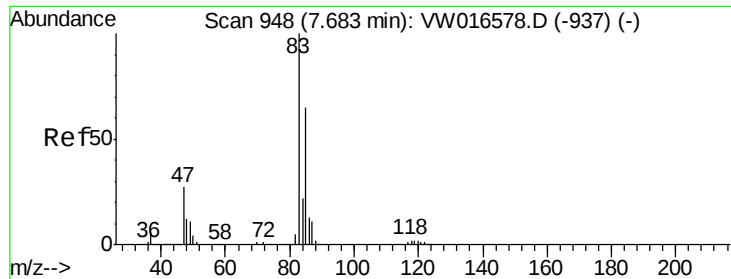
128 100

49 124.6 91.5 169.9

130 130.8 89.0 165.4

51 41.6 33.0 49.6





#25

Chloroform

Concen: 5.167 ug/L

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

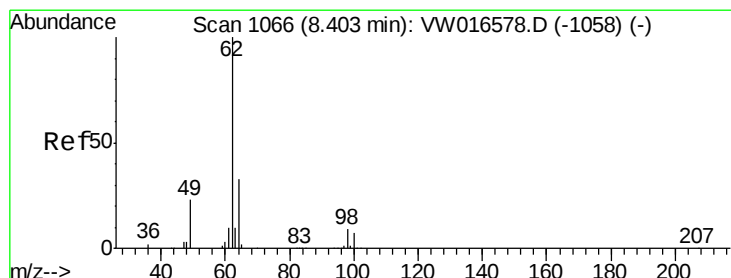
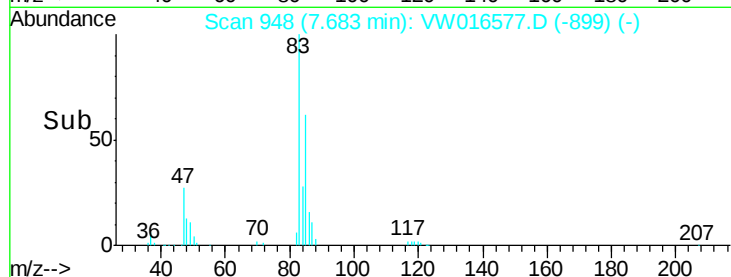
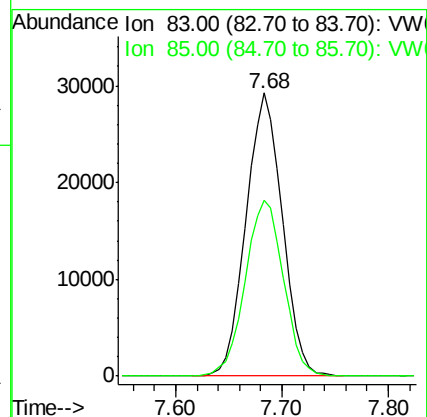
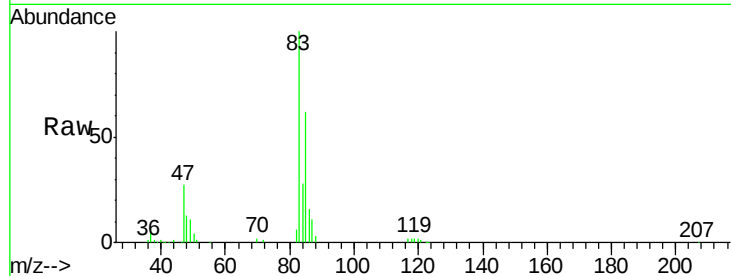
VSTD005106

Tgt Ion: 83 Resp: 70279

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.415 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016577.D

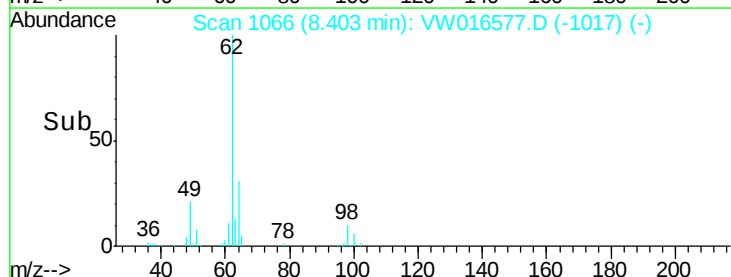
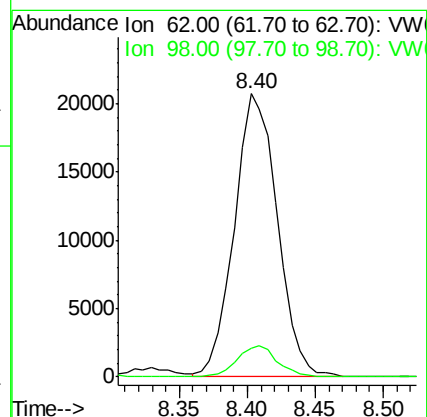
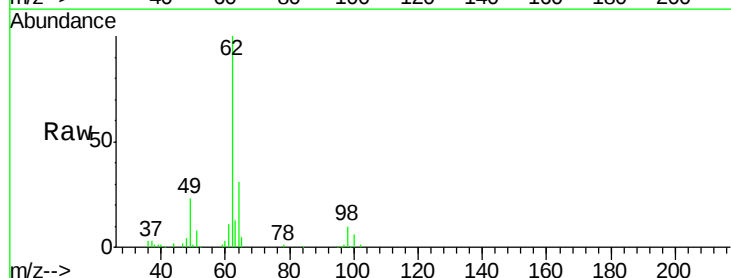
Acq: 18 Sep 2020 10:34

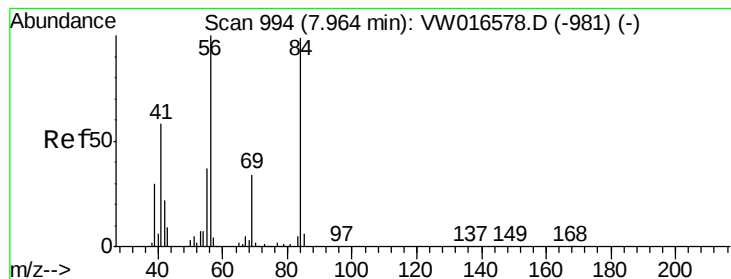
Tgt Ion: 62 Resp: 45725

Ion Ratio Lower Upper

62 100

98 10.1 7.3 10.9





#29

Cyclohexane

Concen: 5.173 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTD005106

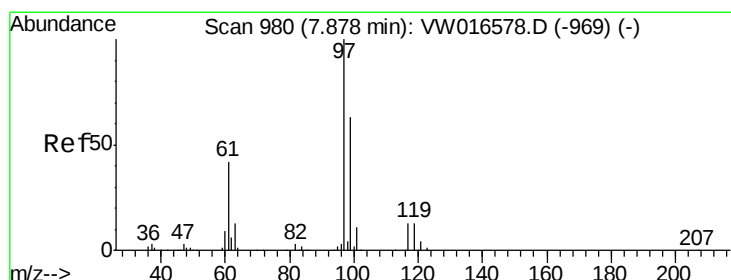
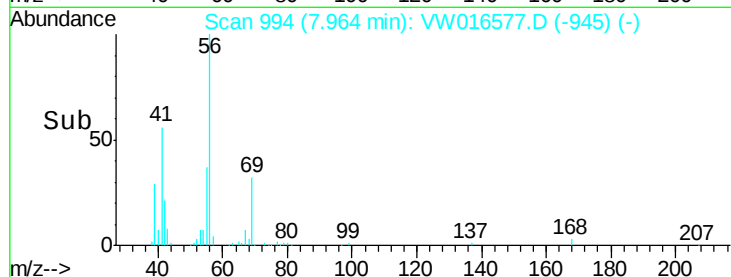
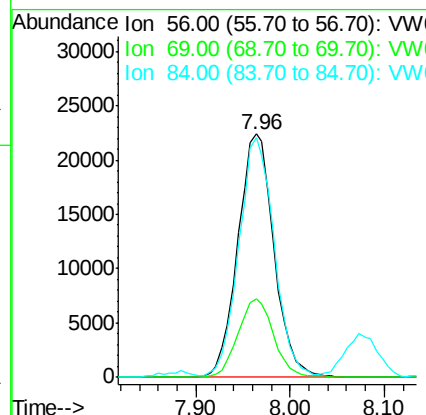
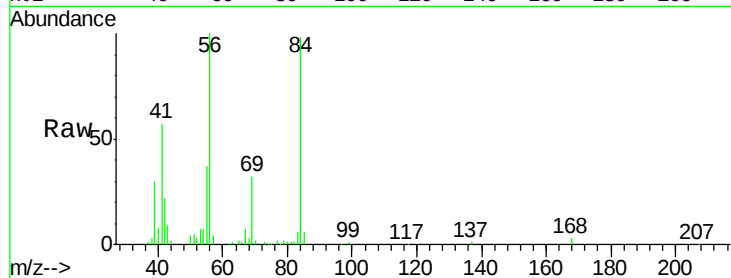
Tgt Ion: 56 Resp: 59993

Ion Ratio Lower Upper

56 100

69 31.9 26.4 39.6

84 96.6 79.9 119.9



#30

1,1,1-Trichloroethane

Concen: 5.056 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

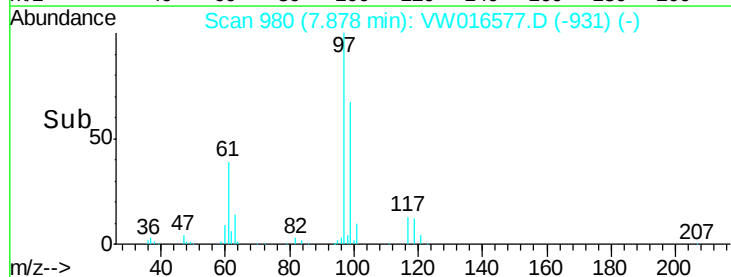
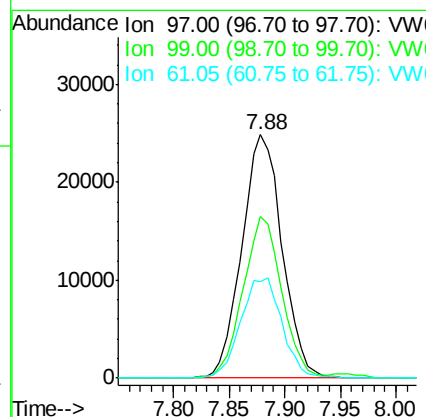
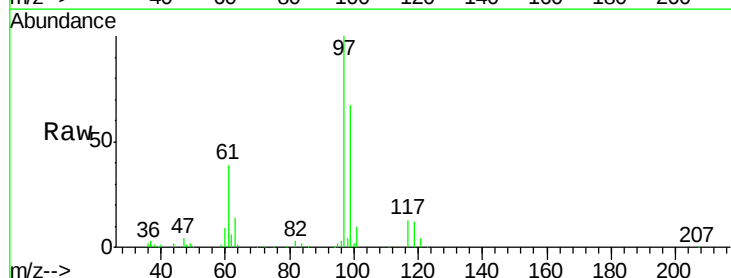
Tgt Ion: 97 Resp: 62578

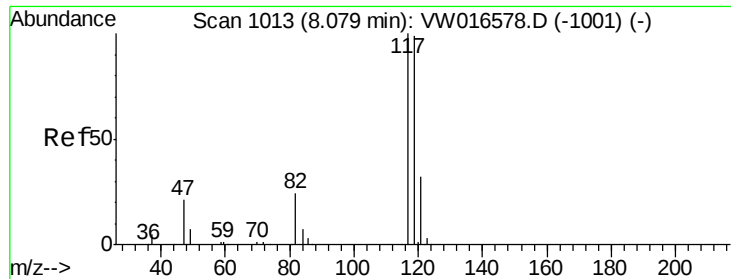
Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 41.9 33.2 49.8

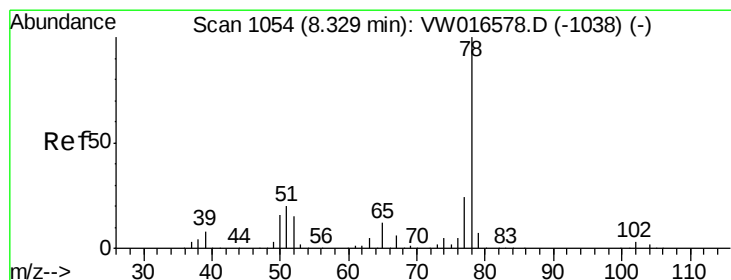
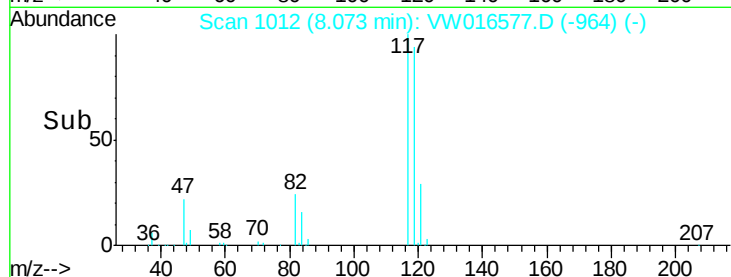
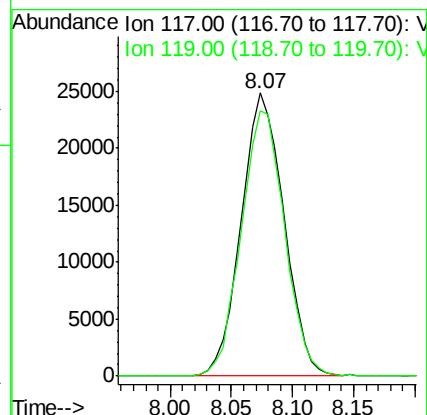
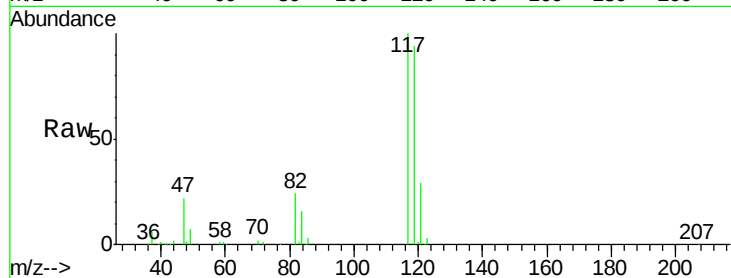




#31
Carbon tetrachloride
Concen: 5.008 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

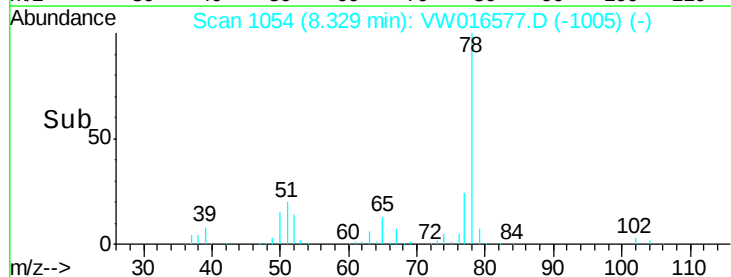
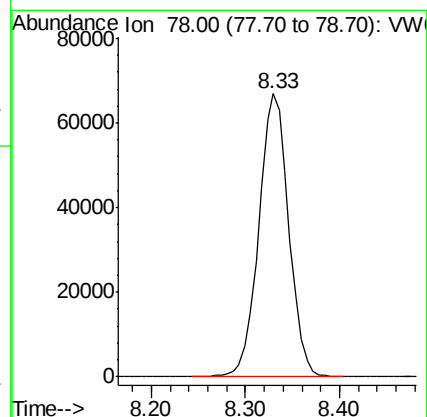
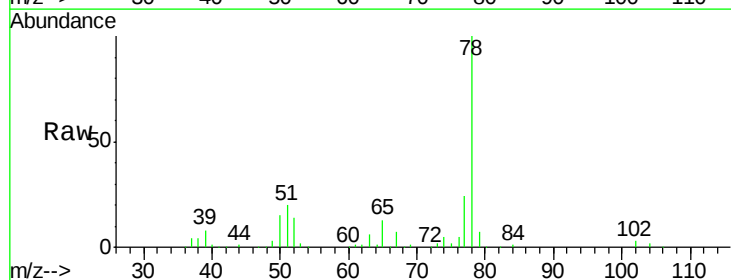
Instrument :
MSVOA_W
ClientSampled :
VSTD005106

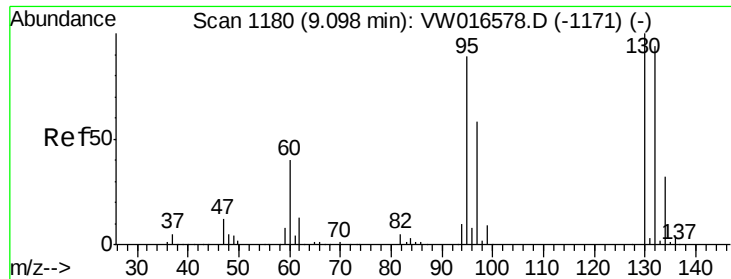
Tgt Ion:117 Resp: 60361
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1



#33
Benzene
Concen: 5.159 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

Tgt Ion: 78 Resp: 148455

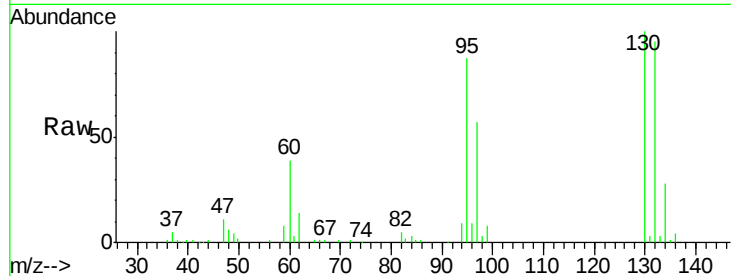




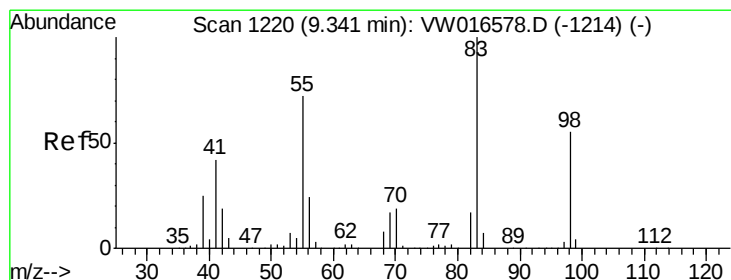
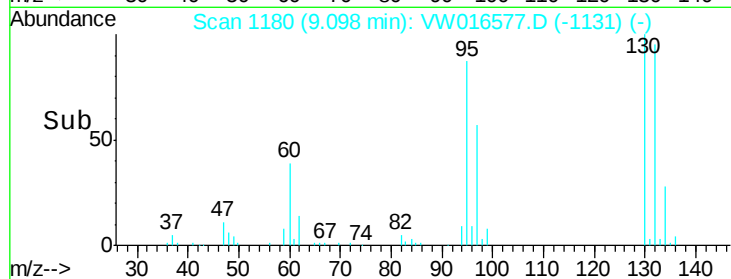
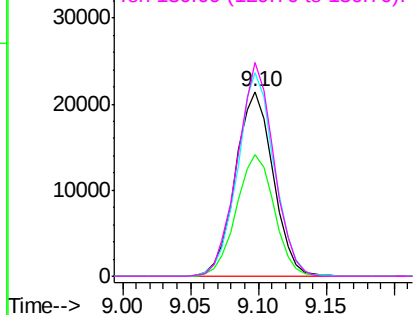
#34
 Trichloroethene
 Concen: 5.040 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005106

Tgt Ion: 95 Resp: 41602
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.1 83.9
 132 110.0 73.8 137.2
 130 115.5 78.3 145.5

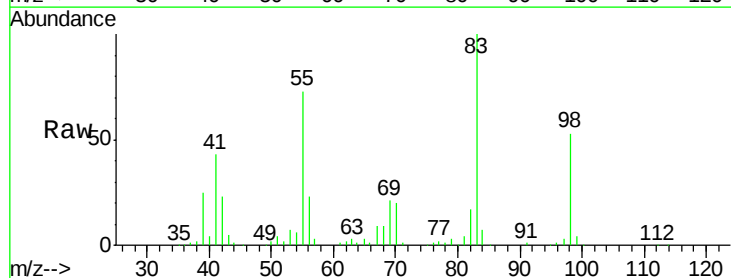


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

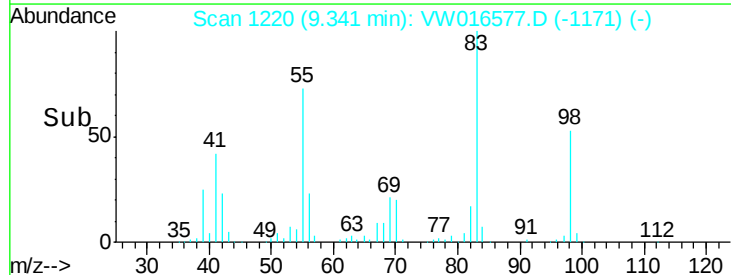
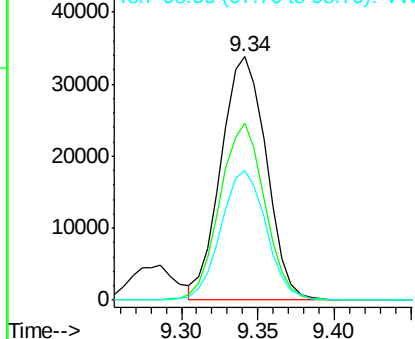


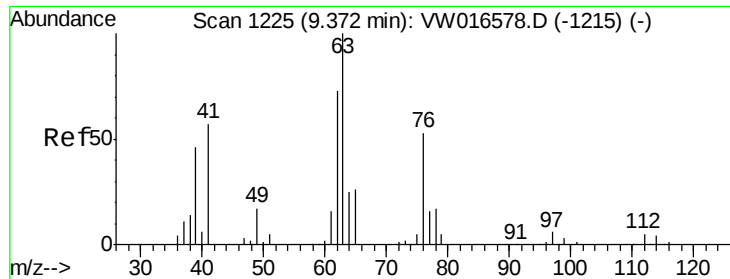
#35
 Methylcyclohexane
 Concen: 5.045 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Tgt Ion: 83 Resp: 69561
 Ion Ratio Lower Upper
 83 100
 55 71.8 55.9 83.9
 98 53.1 41.5 62.3



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

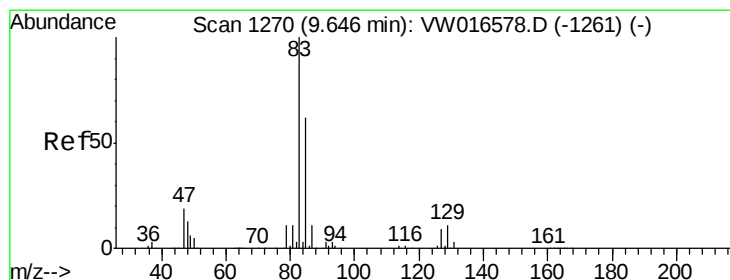
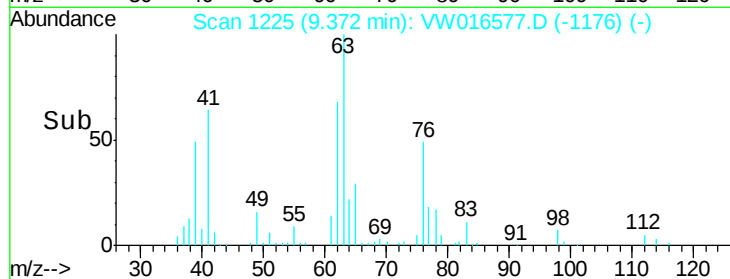
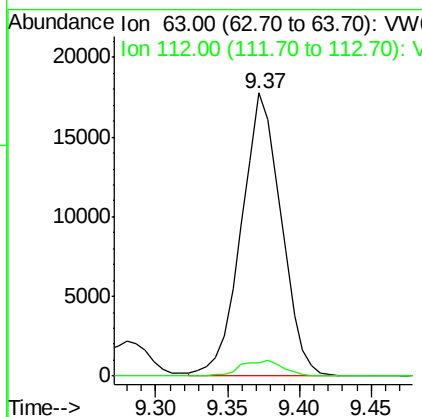
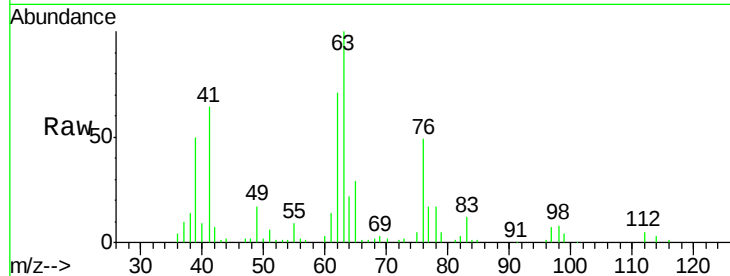




#37
 1,2-Dichloropropane
 Concen: 5.196 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

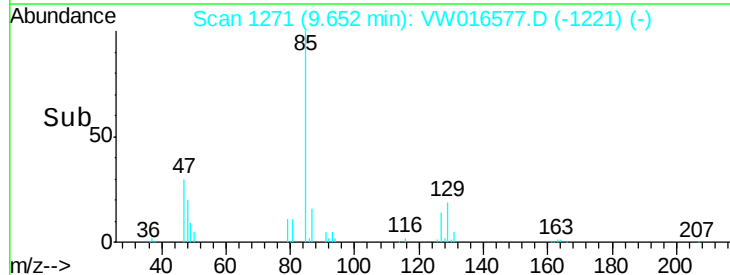
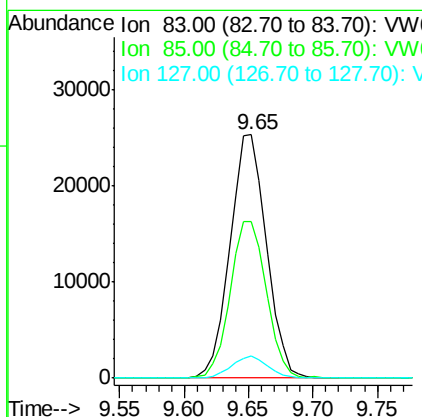
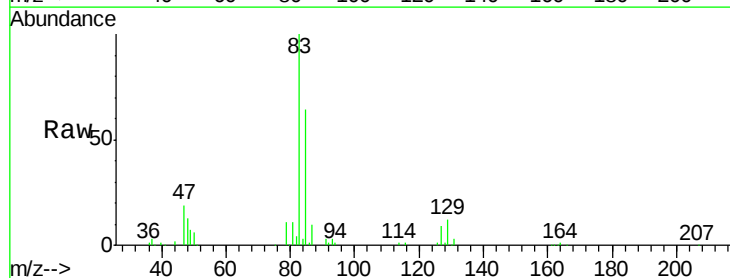
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005106

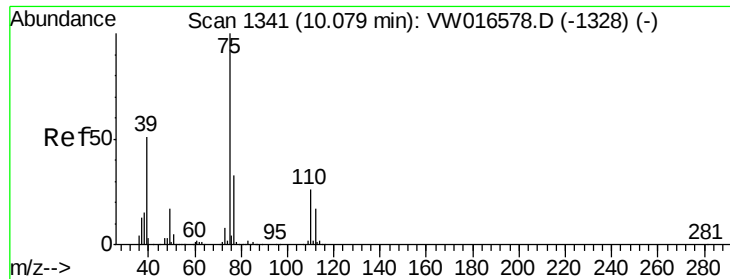
Tgt Ion: 63 Resp: 34098
 Ion Ratio Lower Upper
 63 100
 112 3.8 4.2 6.4#



#38
 Bromodichloromethane
 Concen: 5.108 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Tgt Ion: 83 Resp: 49709
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.7 81.1
 127 9.1 7.4 11.2

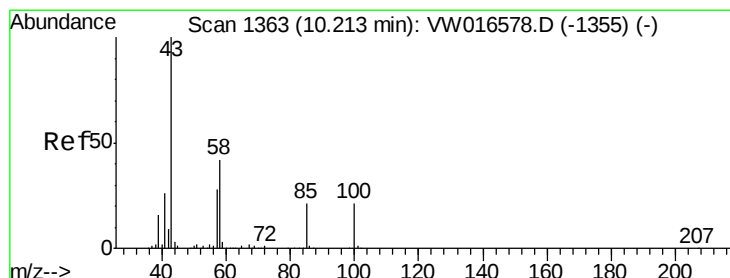
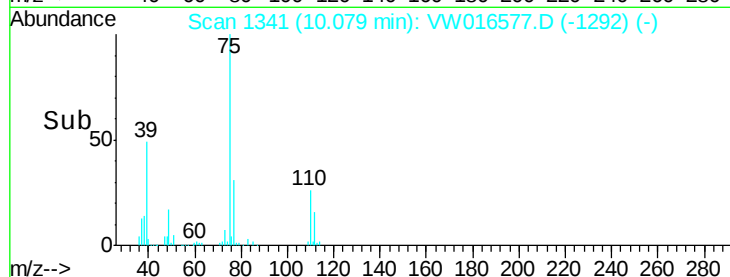
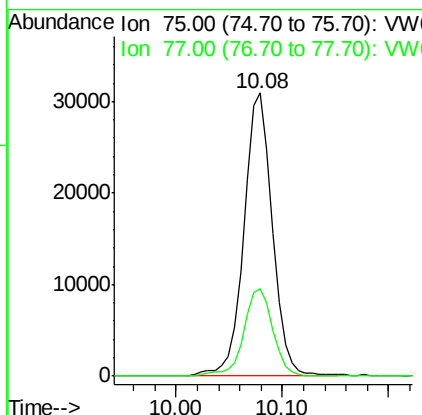
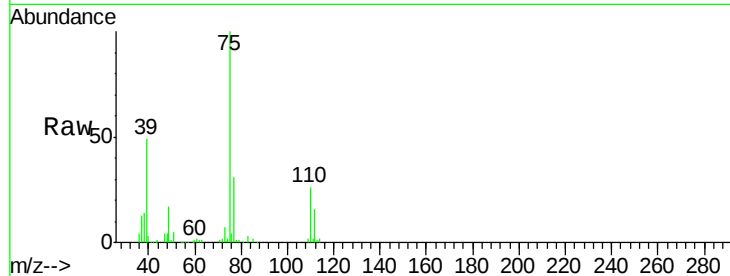




#39
 cis-1,3-Dichloropropene
 Concen: 5.192 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

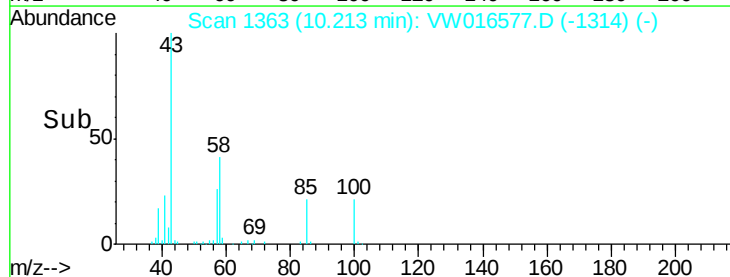
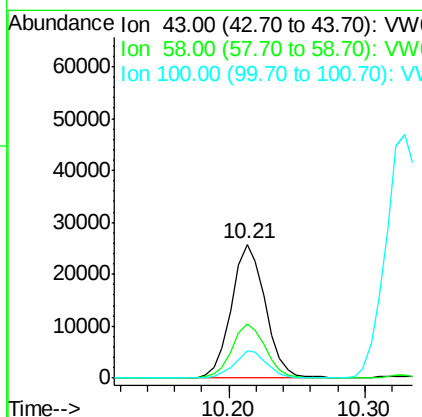
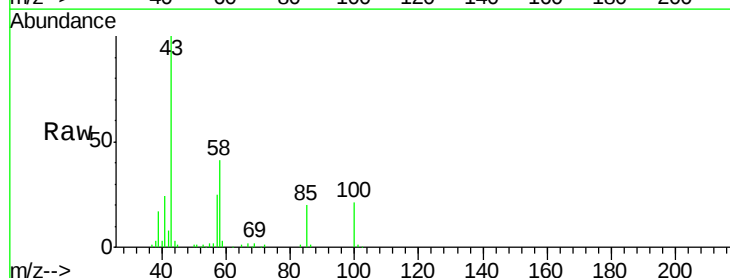
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005106

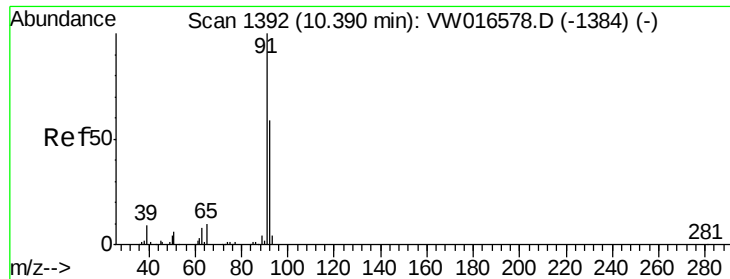
Tgt Ion: 75 Resp: 58158
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 12.110 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Tgt Ion: 43 Resp: 44524
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.0 49.4
 100 19.7 16.0 24.0





#42

Toluene

Concen: 5.141 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampled :

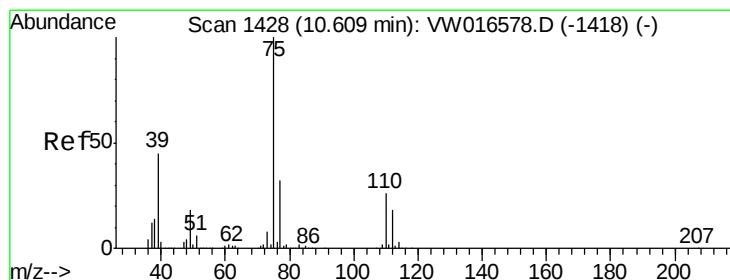
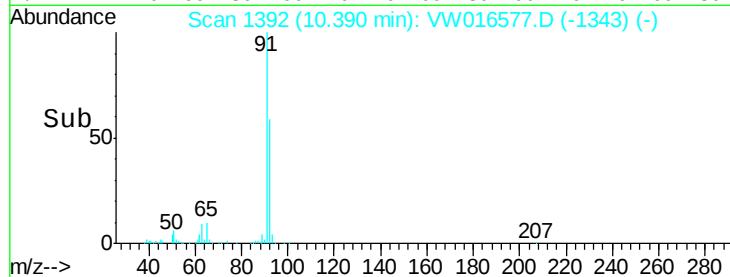
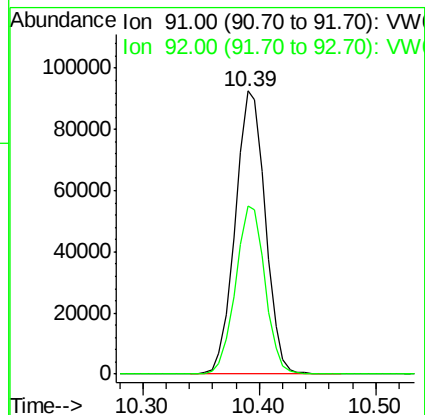
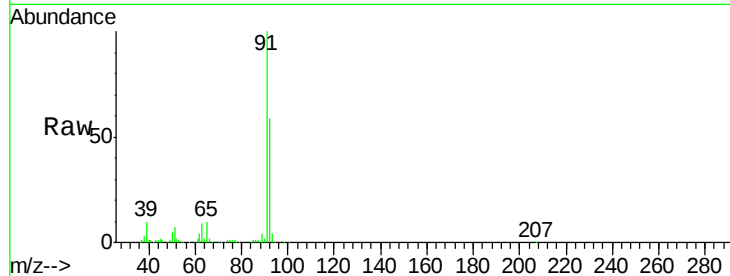
VSTD005106

Tgt Ion: 91 Resp: 166669

Ion Ratio Lower Upper

91 100

92 59.4 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 5.257 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016577.D

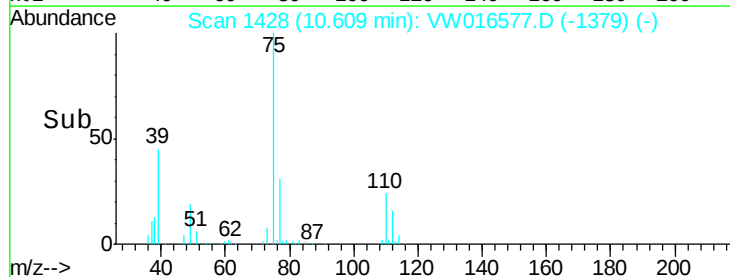
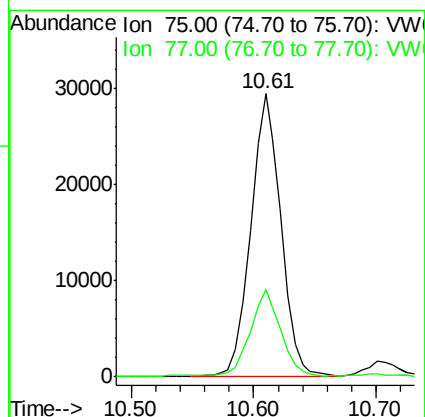
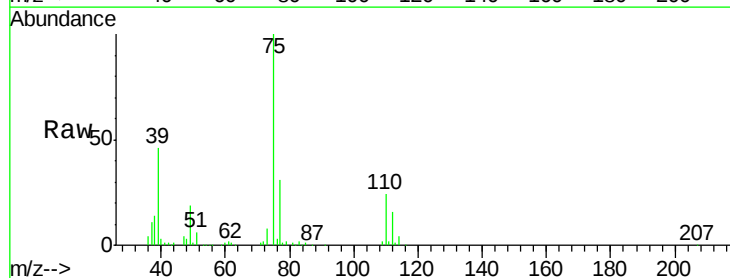
Acq: 18 Sep 2020 10:34

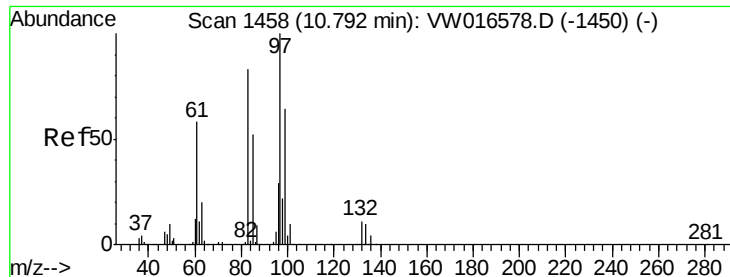
Tgt Ion: 75 Resp: 50502

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.456 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD005106

Tgt Ion: 97 Resp: 29081

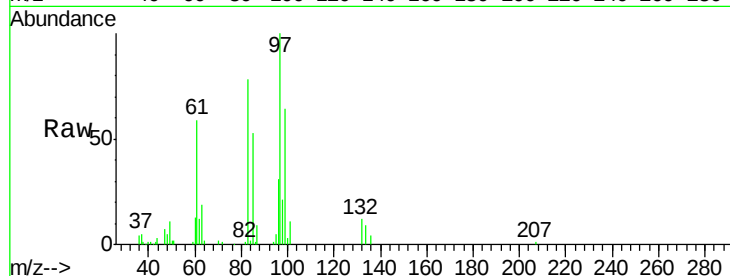
Ion Ratio Lower Upper

97 100

99 63.5 44.5 82.7

83 78.0 58.4 108.4

85 53.0 36.8 68.3

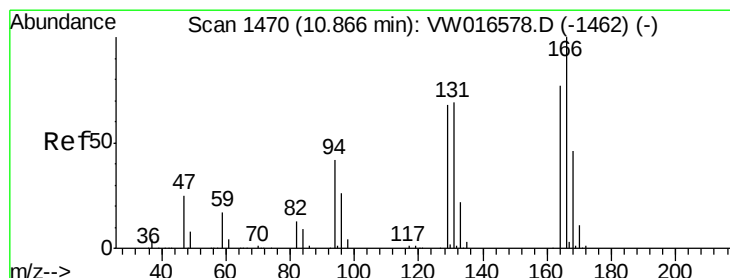
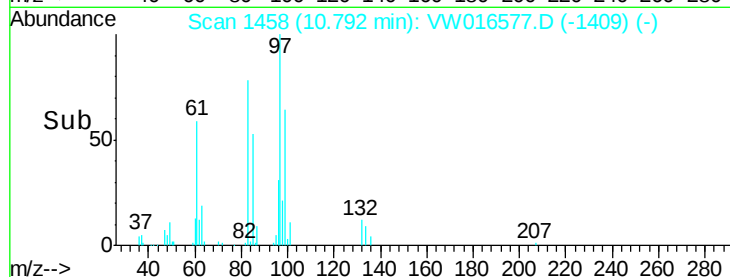
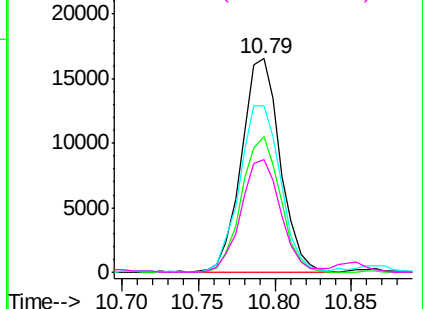


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 5.093 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Tgt Ion: 164 Resp: 37927

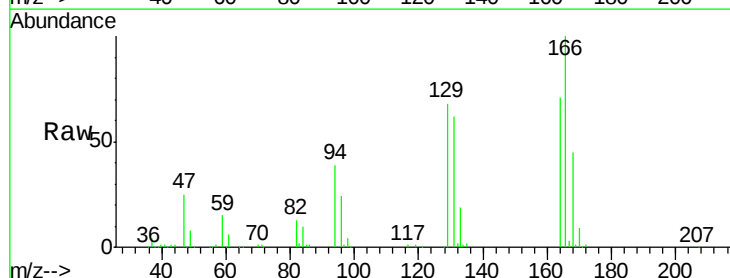
Ion Ratio Lower Upper

164 100

129 95.6 61.4 114.0

131 86.5 62.8 116.6

166 140.5 90.8 168.6

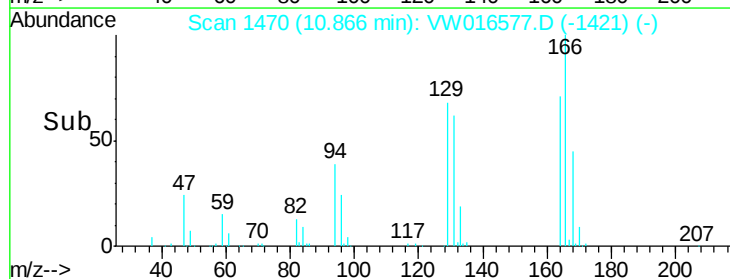
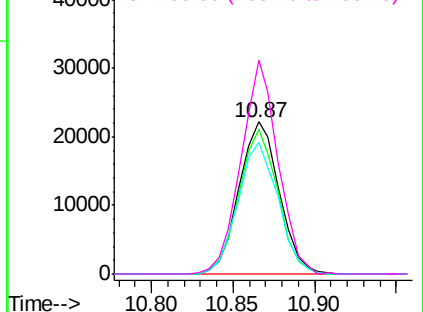


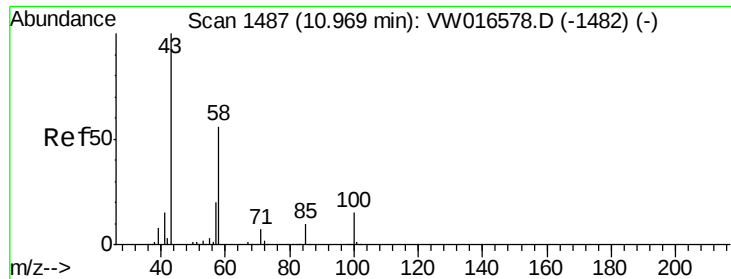
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

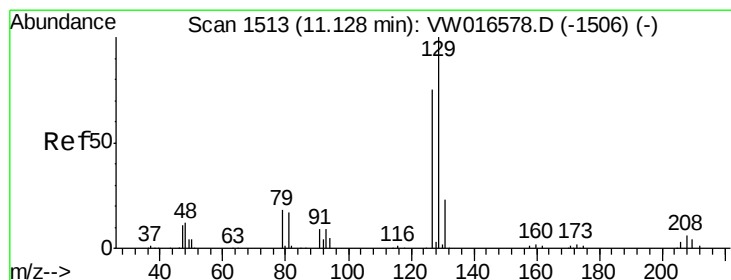
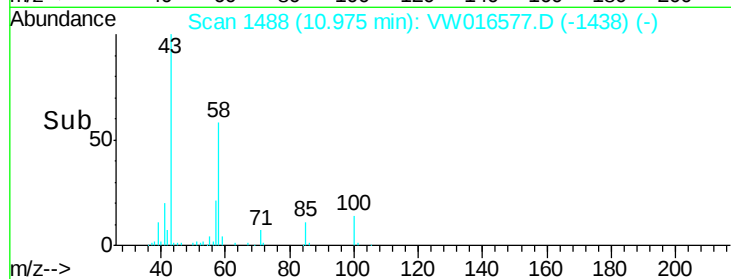
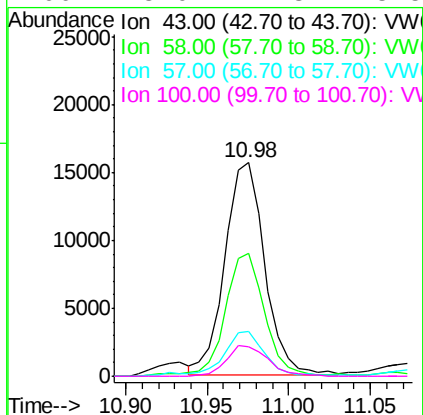
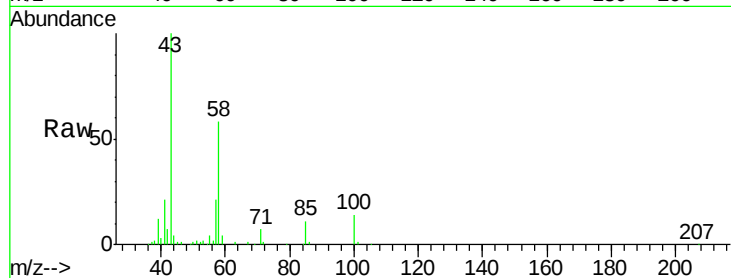




#48
2-Hexanone
Concen: 11.548 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

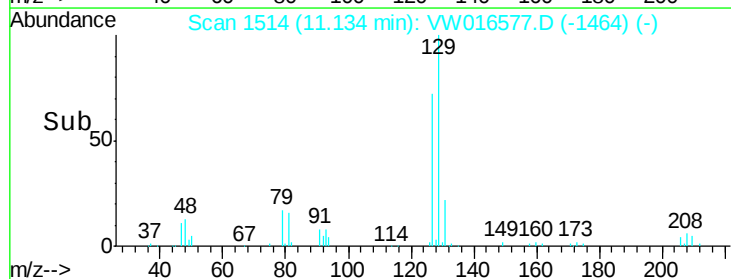
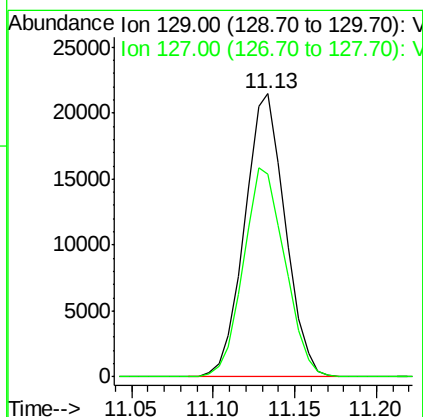
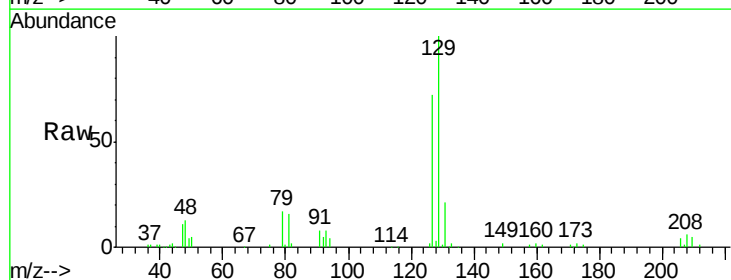
Instrument :
MSVOA_W
ClientSampleId :
VSTD005106

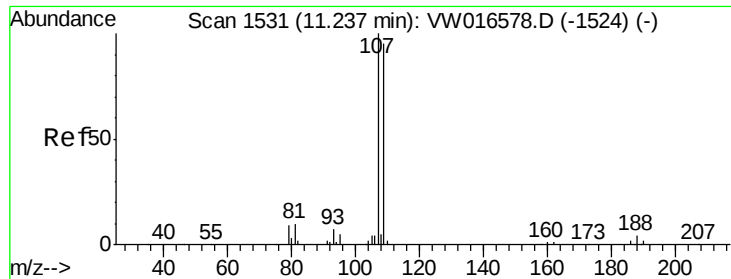
Tgt Ion:	43	Resp:	26797
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.9	68.9
57	20.9	16.6	24.8
100	15.0	12.3	18.5



#49
Dibromochloromethane
Concen: 5.299 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

Tgt Ion:	129	Resp:	37070
Ion	Ratio	Lower	Upper
129	100		
127	71.8	52.5	97.5

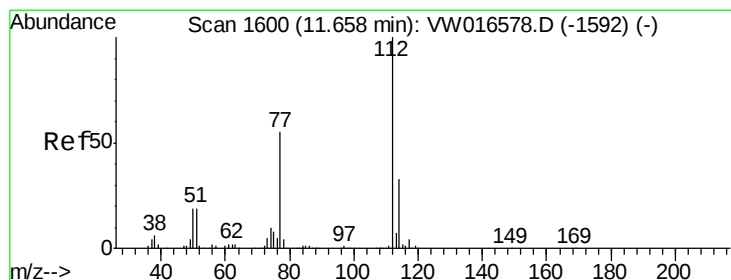
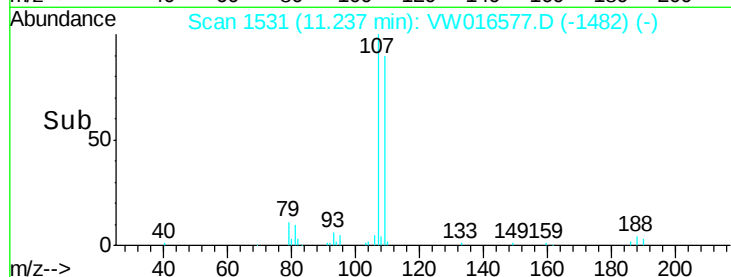
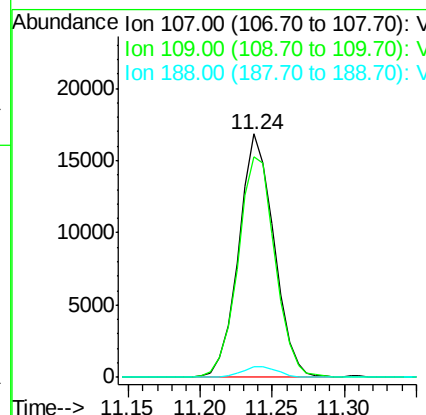
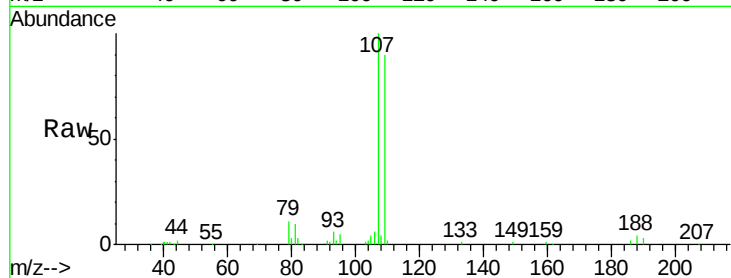




#50
1,2-Dibromoethane
Concen: 5.439 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

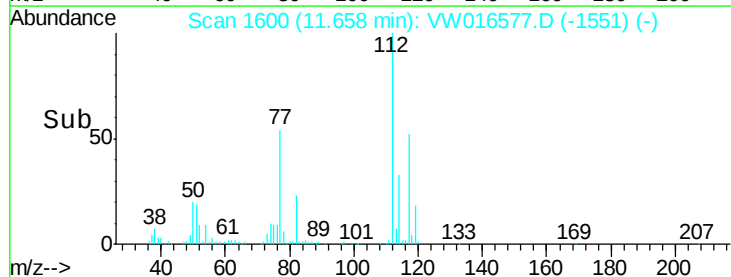
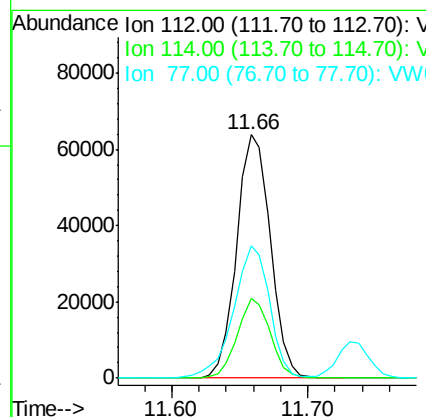
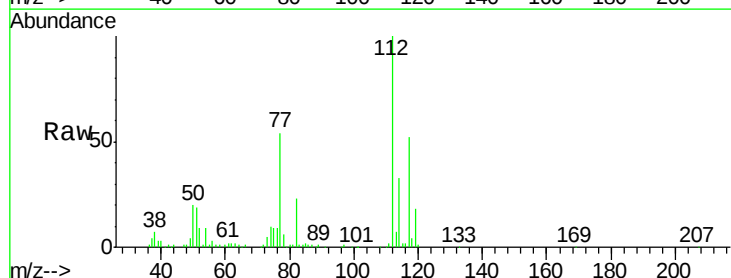
Instrument :
MSVOA_W
ClientSampleId :
VSTD005106

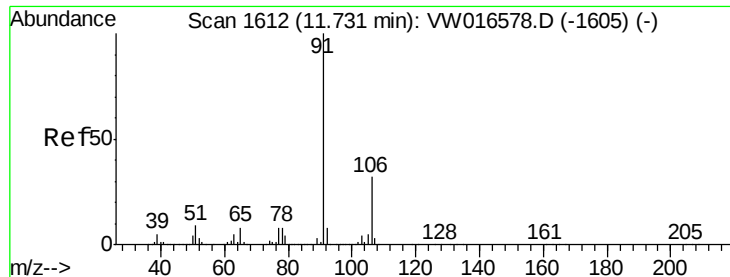
Tgt Ion:107 Resp: 28708
Ion Ratio Lower Upper
107 100
109 90.4 66.2 123.0
188 4.1 3.3 4.9



#51
Chlorobenzene
Concen: 5.144 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

Tgt Ion:112 Resp: 110594
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 54.3 43.8 65.8





#52

Ethylbenzene

Concen: 5.087 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

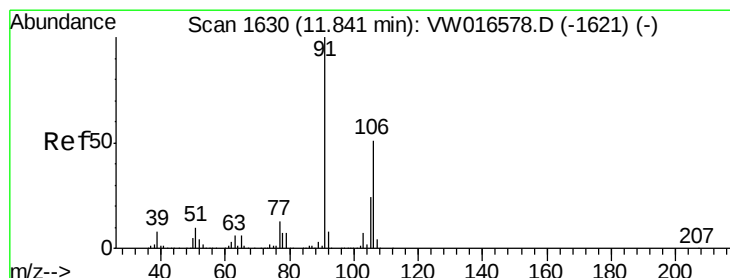
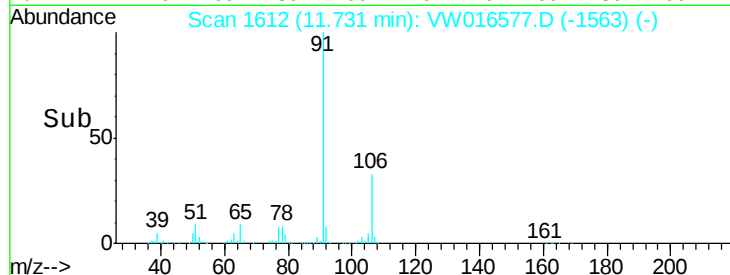
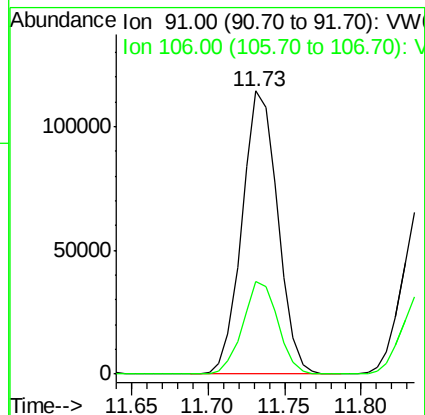
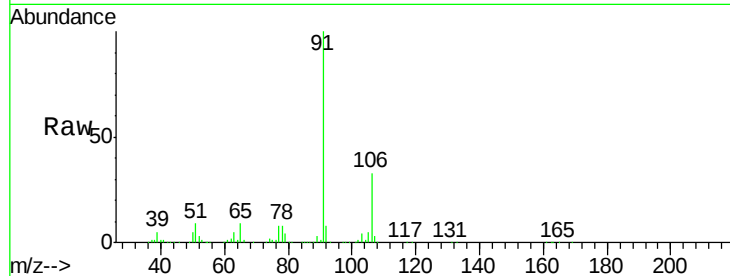
VSTD005106

Tgt Ion: 91 Resp: 185711

Ion Ratio Lower Upper

91 100

106 32.8 22.0 41.0



#53

m,p-Xylene

Concen: 5.106 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016577.D

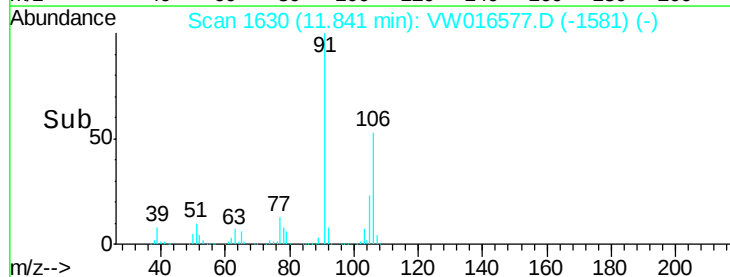
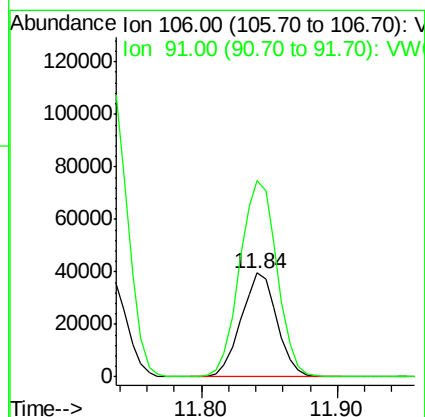
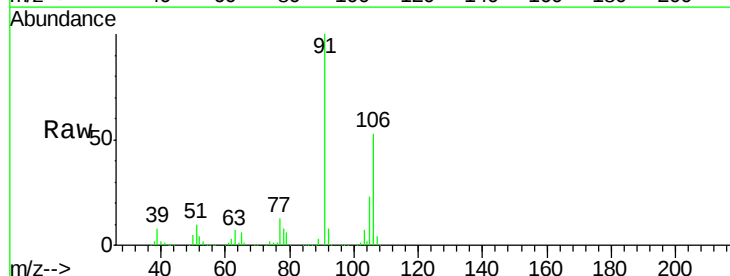
Acq: 18 Sep 2020 10:34

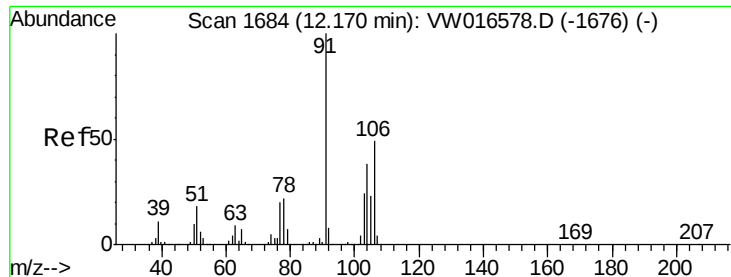
Tgt Ion: 106 Resp: 72606

Ion Ratio Lower Upper

106 100

91 189.5 136.2 252.9

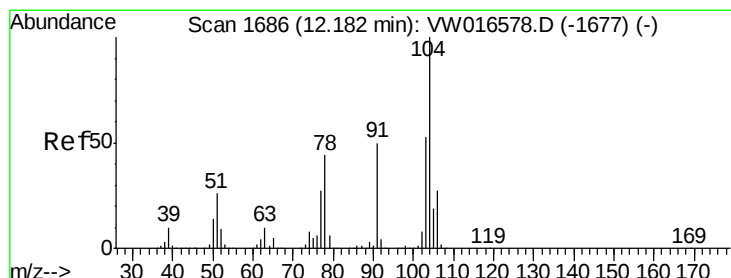
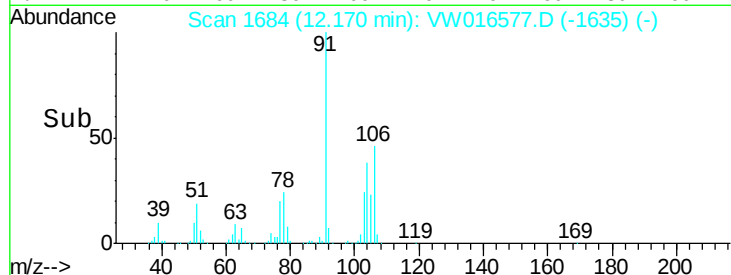
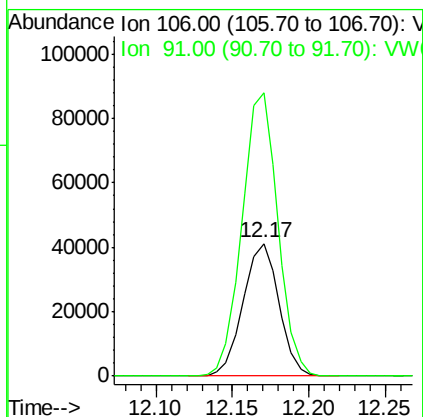
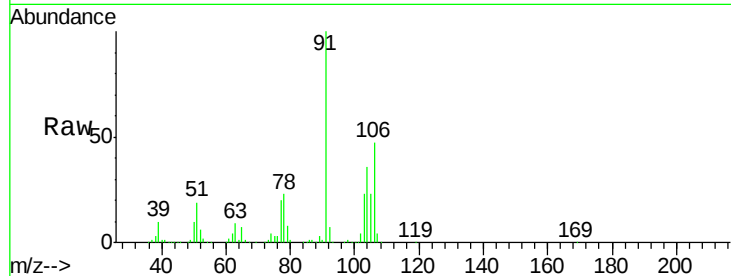




#54
o-Xylene
Concen: 4.985 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

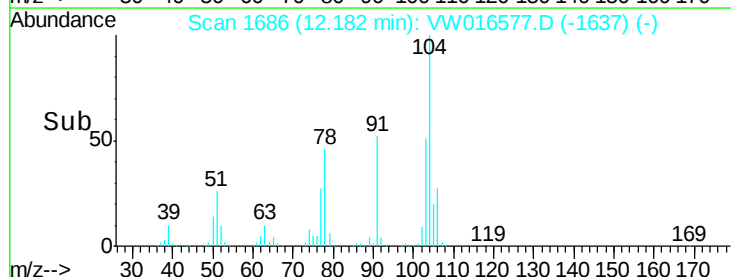
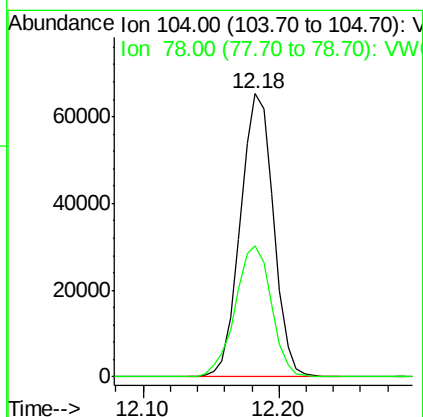
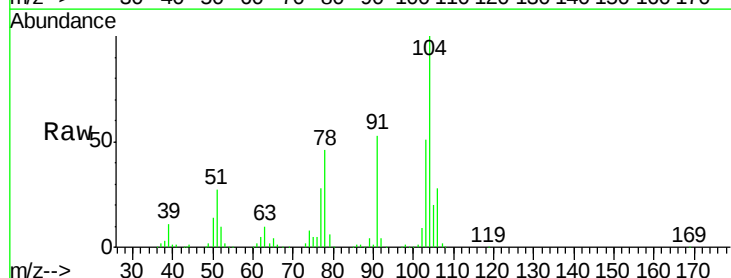
Instrument :
MSVOA_W
ClientSampleId :
VSTD005106

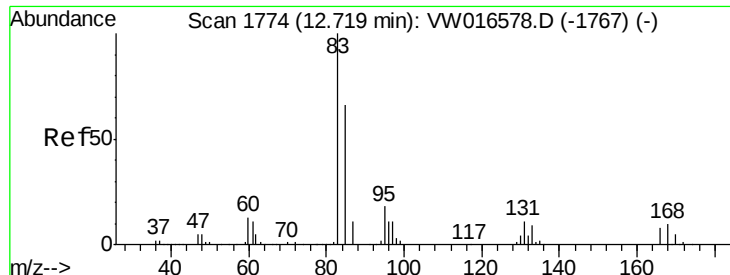
Tgt Ion:106 Resp: 67091
Ion Ratio Lower Upper
106 100
91 213.0 143.4 266.2



#55
Styrene
Concen: 4.966 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

Tgt Ion:104 Resp: 111294
Ion Ratio Lower Upper
104 100
78 46.3 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.710 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD005106

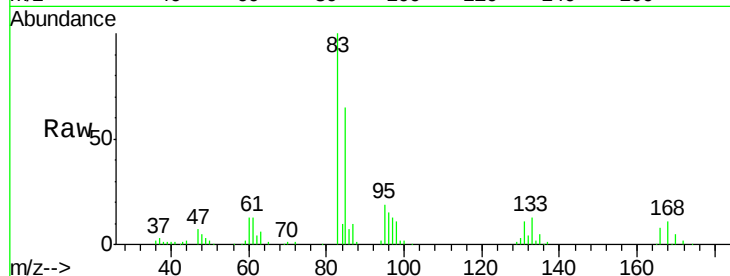
Tgt Ion: 83 Resp: 32764

Ion Ratio Lower Upper

83 100

85 65.4 46.3 85.9

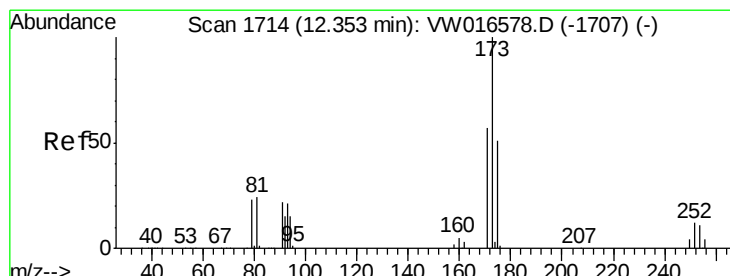
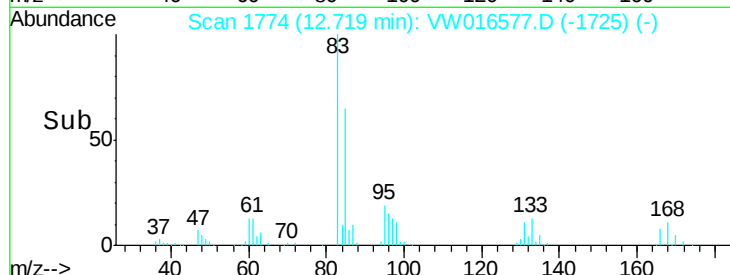
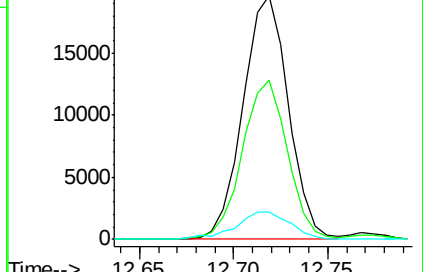
131 11.0 9.3 13.9



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: 5.327 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

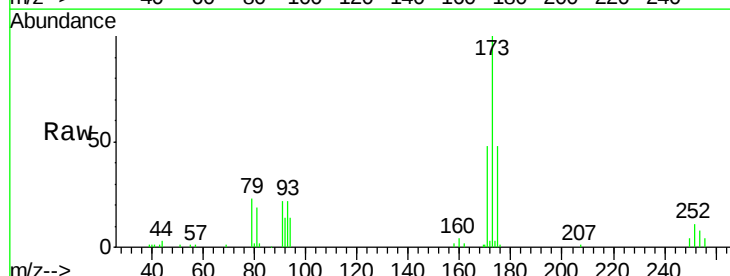
Tgt Ion: 173 Resp: 22492

Ion Ratio Lower Upper

173 100

175 47.4 39.7 59.5

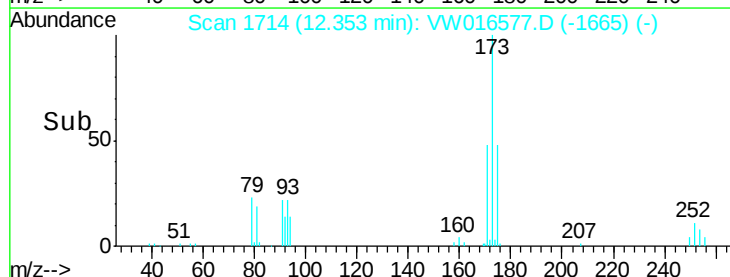
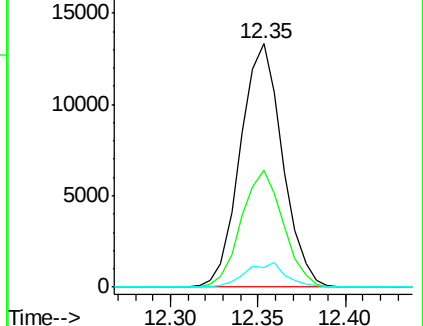
254 9.7 8.2 12.2

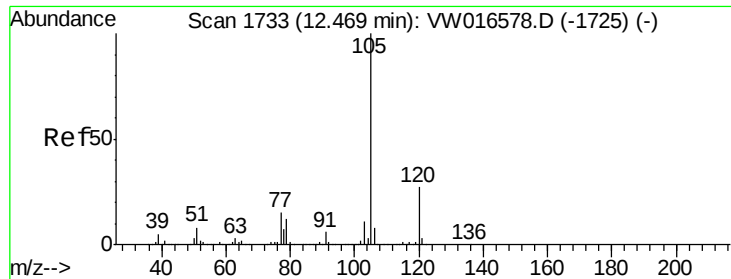


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 4.886 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD005106

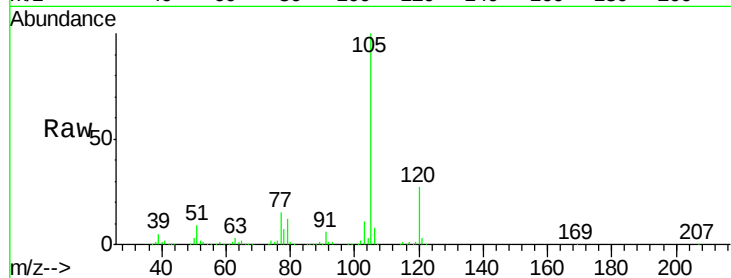
Tgt Ion: 105 Resp: 186580

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.8

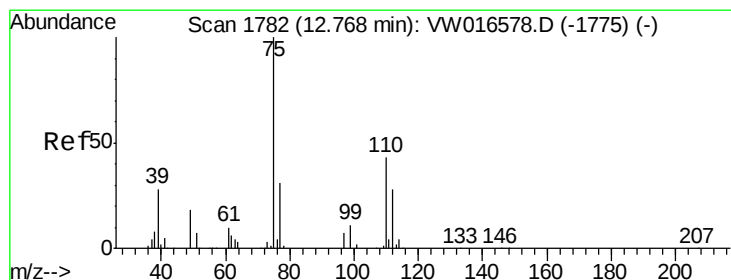
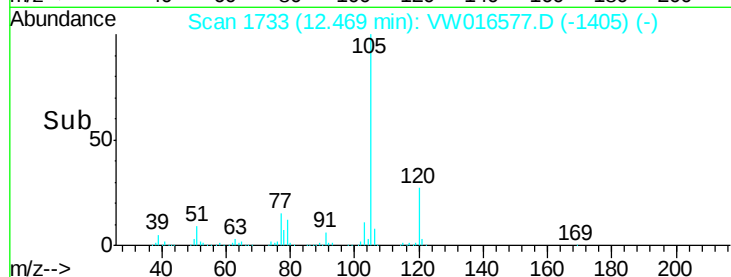
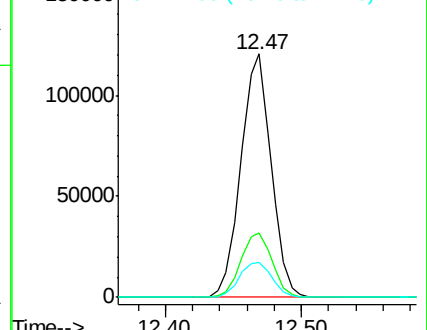
77 15.6 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 5.665 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

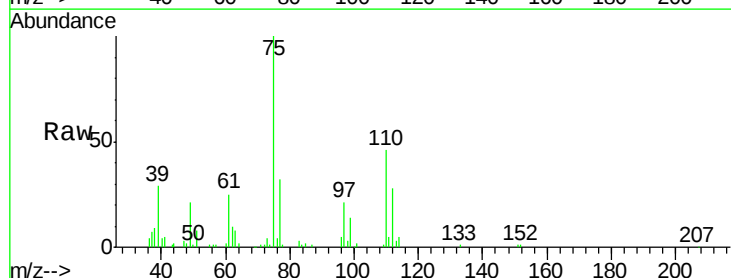
Tgt Ion: 75 Resp: 24414

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

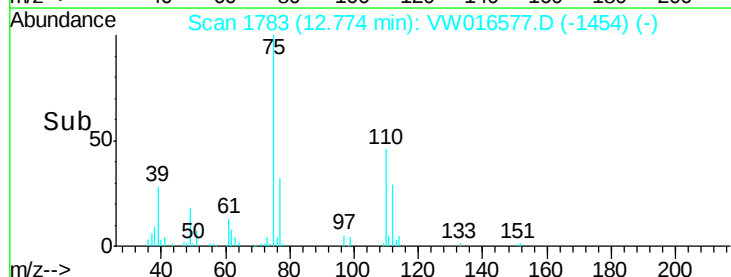
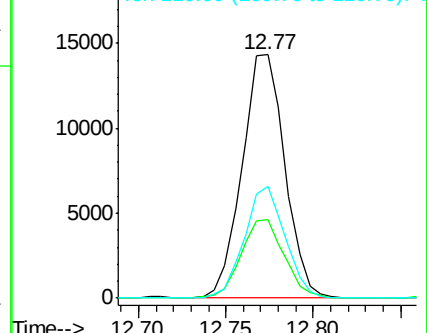
110 43.7 35.8 53.8

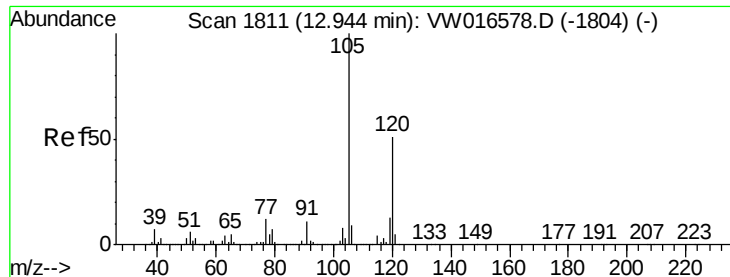


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

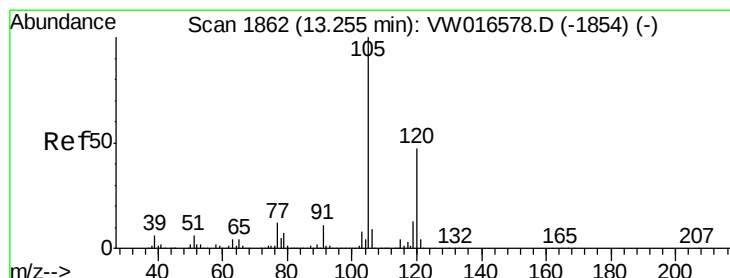
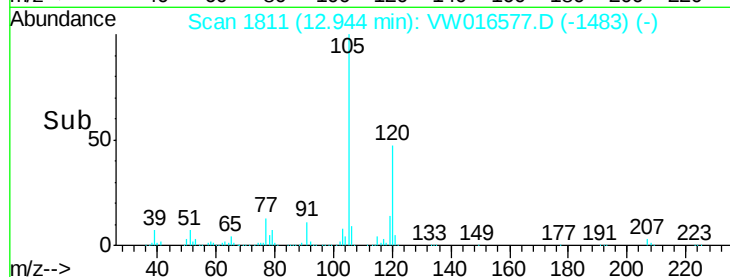
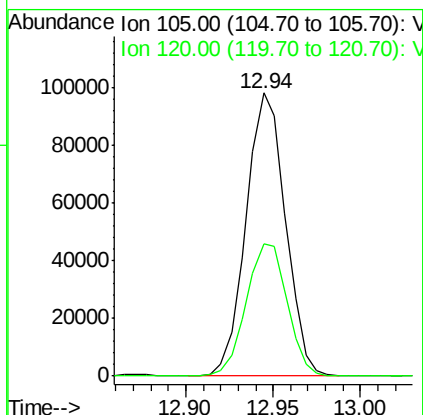
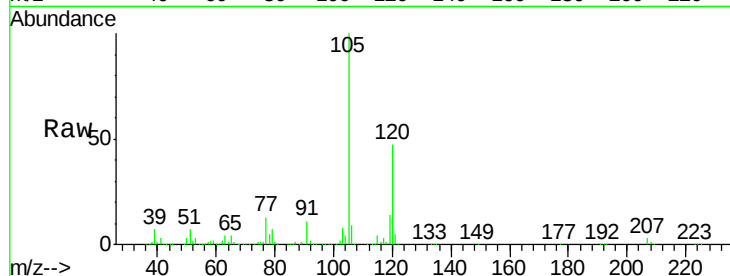




#62
 1,3,5-Trimethylbenzene
 Concen: 4.906 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

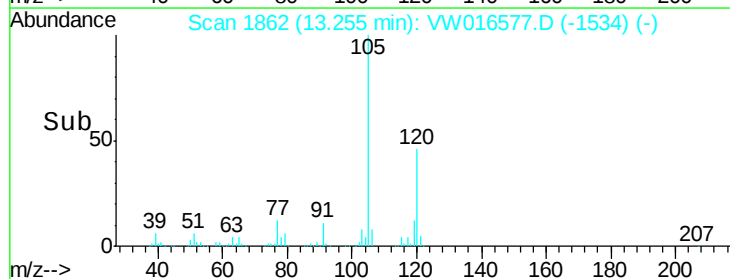
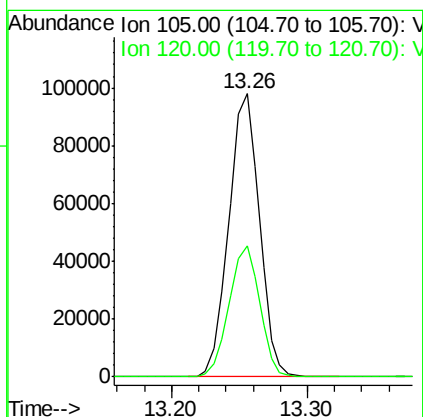
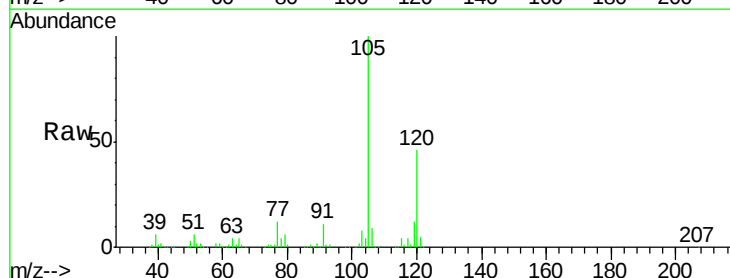
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD005106

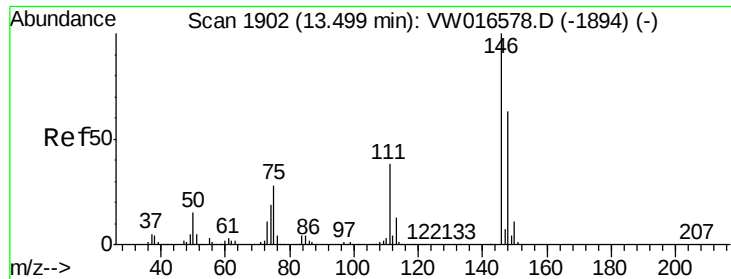
Tgt Ion:105 Resp: 154167
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 4.922 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Tgt Ion:105 Resp: 153705
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.4 54.6

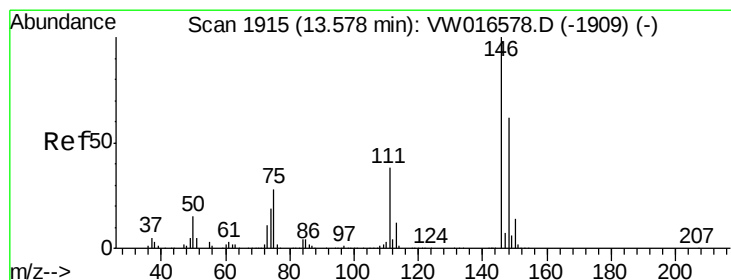
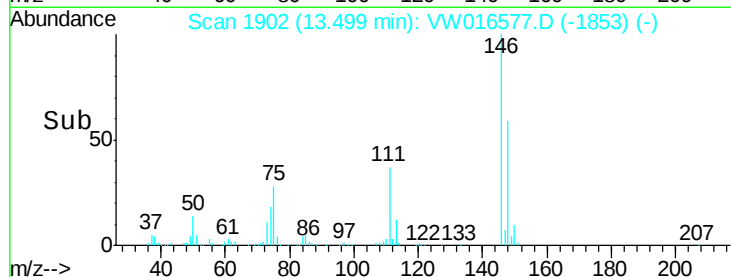
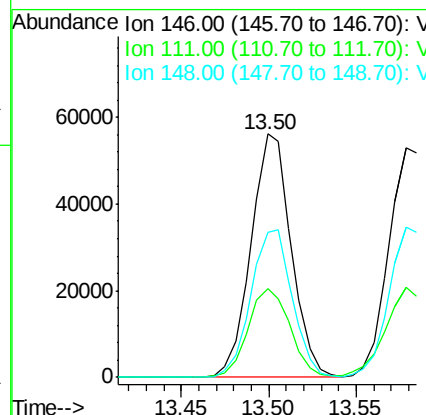
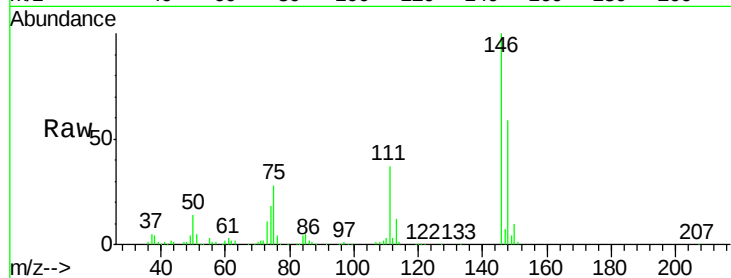




#64
 1,3-Dichlorobenzene
 Concen: 5.142 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

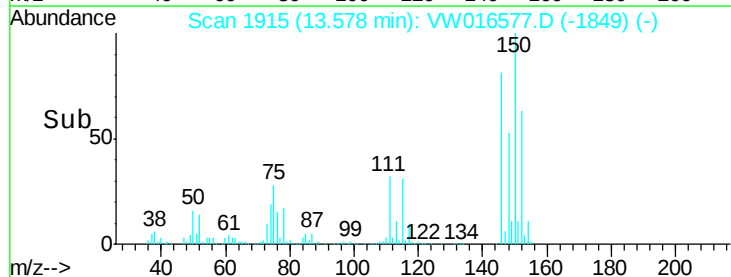
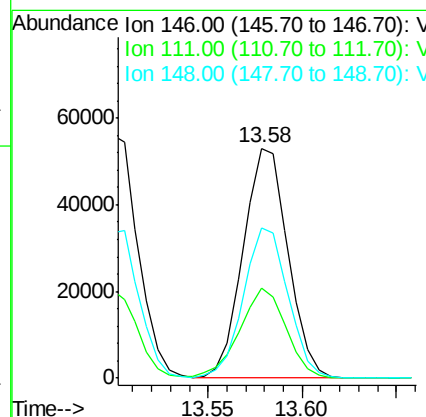
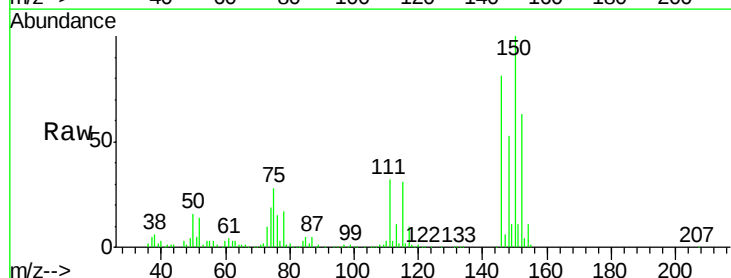
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005106

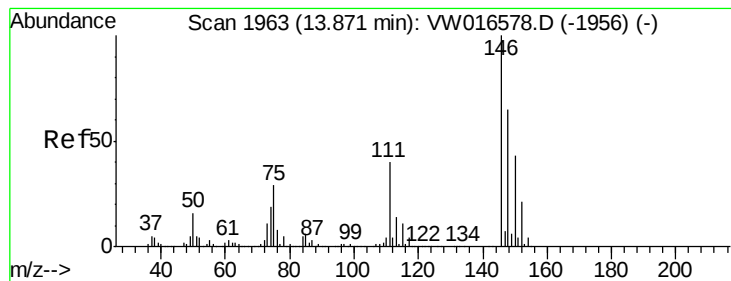
Tgt Ion:146 Resp: 90099
 Ion Ratio Lower Upper
 146 100
 111 36.7 26.5 49.3
 148 59.4 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 5.094 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Tgt Ion:146 Resp: 87553
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.5 49.3
 148 65.3 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 5.107 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD005106

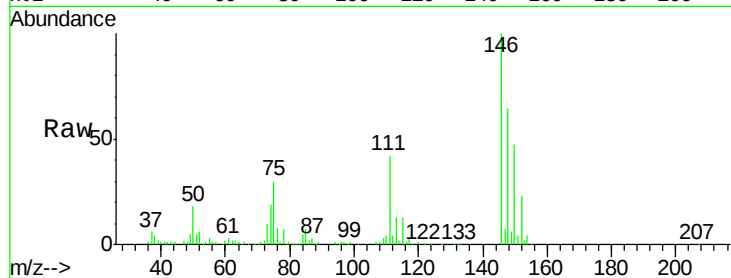
Tgt Ion:146 Resp: 79181

Ion Ratio Lower Upper

146 100

111 41.6 32.4 48.6

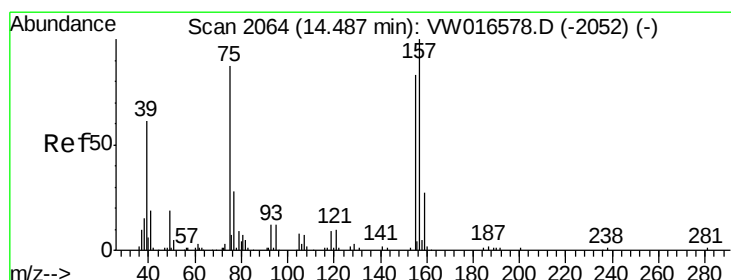
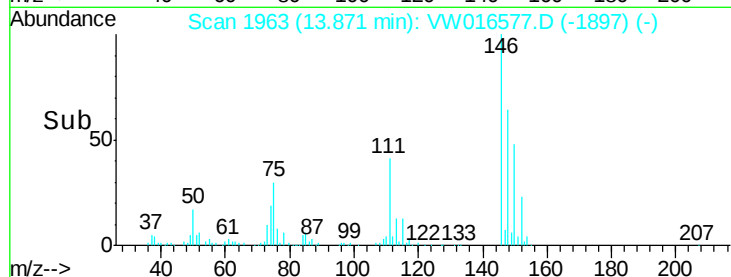
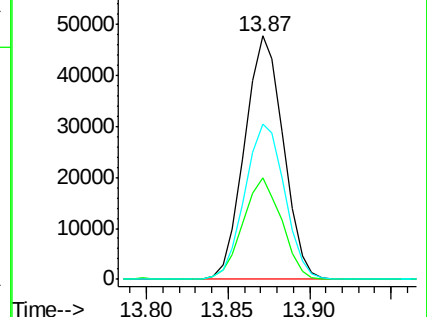
148 63.8 52.2 78.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 5.730 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016577.D

Acq: 18 Sep 2020 10:34

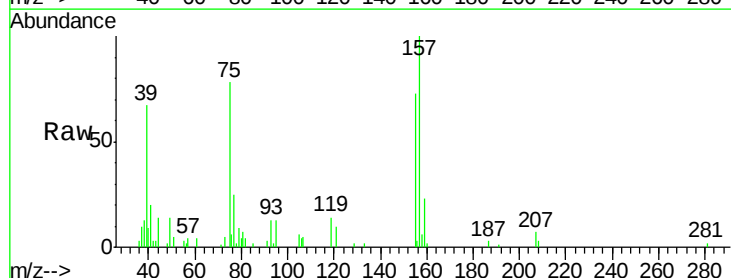
Tgt Ion: 75 Resp: 5805

Ion Ratio Lower Upper

75 100

155 93.6 76.6 115.0

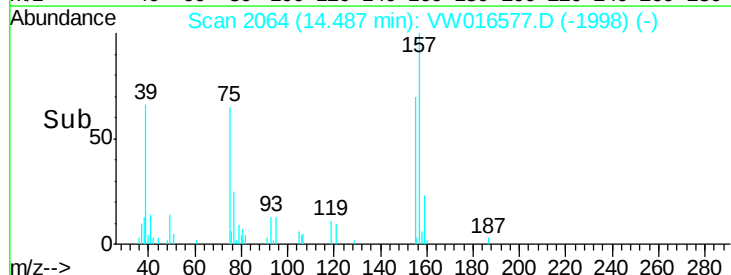
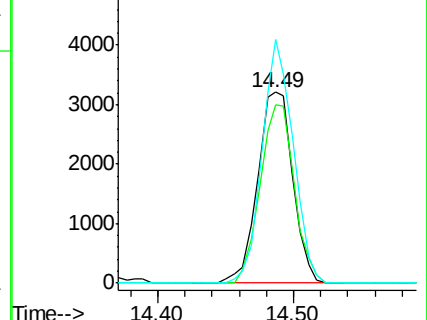
157 127.5 92.0 138.0

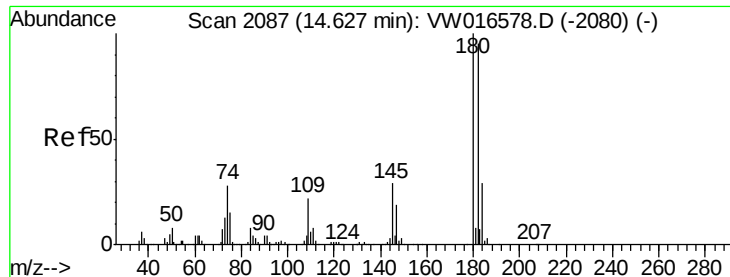


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

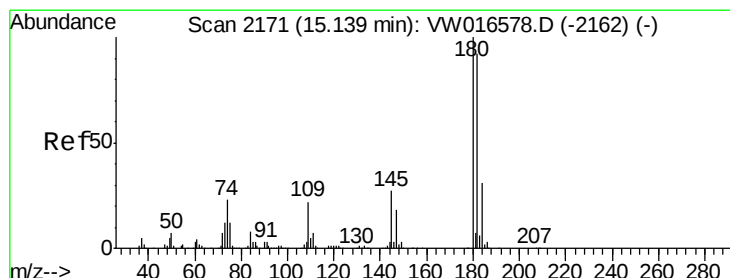
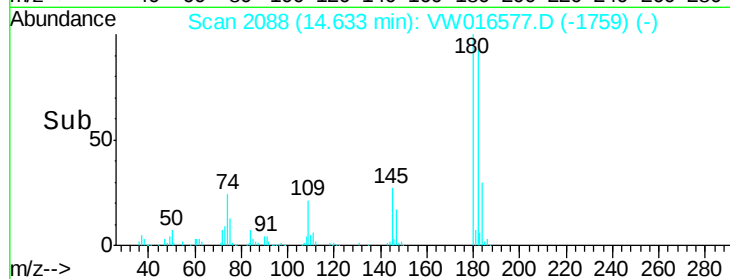
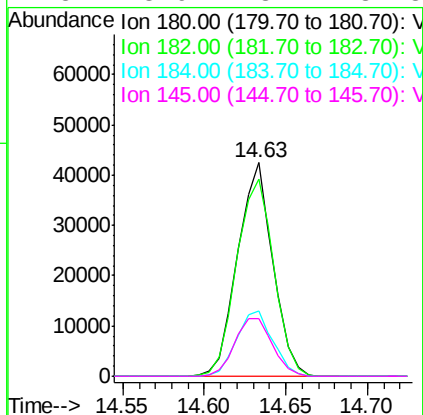
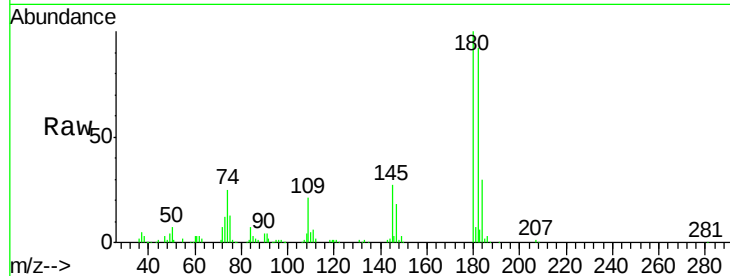




#69
 1,3,5-Trichlorobenzene
 Concen: 4.959 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

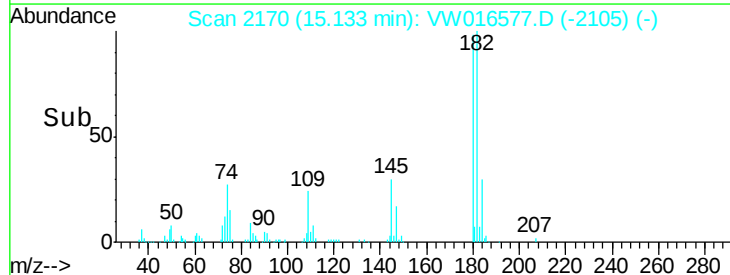
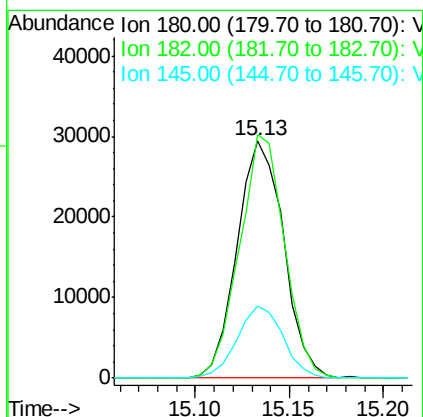
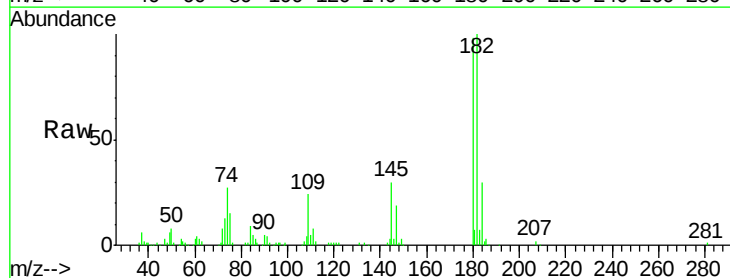
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005106

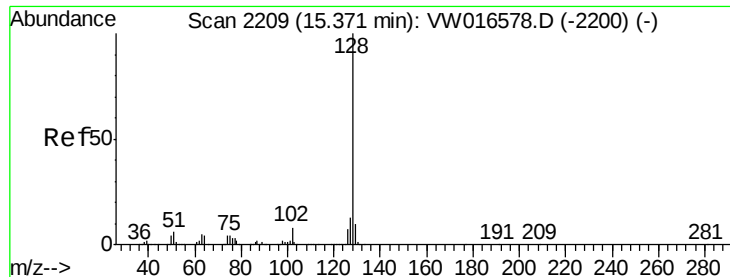
Tgt Ion:180 Resp: 64142
 Ion Ratio Lower Upper
 180 100
 182 97.3 79.0 118.4
 184 31.5 24.6 36.8
 145 28.9 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.828 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW016577.D
 Acq: 18 Sep 2020 10:34

Tgt Ion:180 Resp: 50434
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.1 114.1
 145 29.8 24.1 36.1

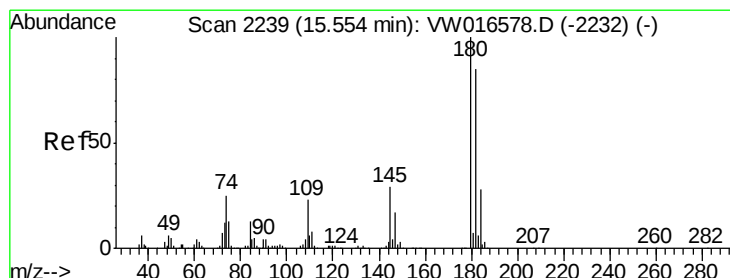
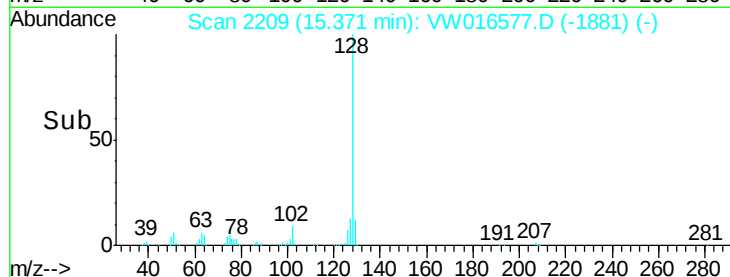
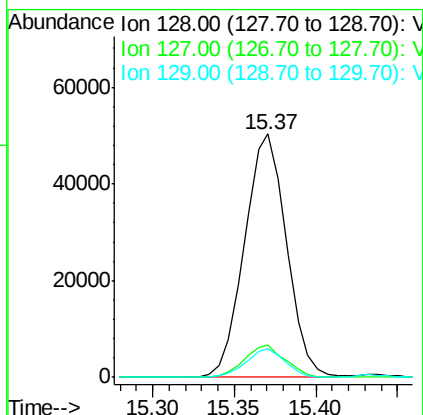
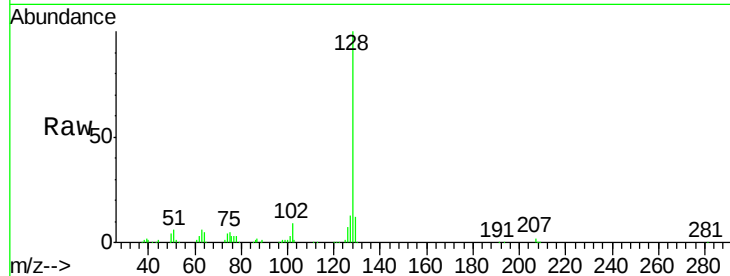




#71
Naphthalene
Concen: 5.149 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD005106

Tgt Ion:128 Resp: 90270
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.0 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 5.042 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW016577.D
Acq: 18 Sep 2020 10:34

Tgt Ion:180 Resp: 44221
Ion Ratio Lower Upper
180 100
182 97.3 75.5 113.3
145 33.3 24.3 36.5

