

Data File : VW014826.D
Acq On : 03 Feb 2020 10:28
Operator : SY/VA
Sample : VSTD00510
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Feb 03 11:41:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	708933	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	649943	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	287059	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	50069	4.46	ug/L	0.00
7) Chloroethane-d5	2.88	69	54683	5.73	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	120214	5.92	ug/L	0.00
20) 2-Butanone-d5	7.07	46	39948	12.53	ug/L	0.00
24) Chloroform-d	7.65	84	118601	6.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	66508	6.31	ug/L	0.00
29) Benzene-d6	8.27	84	232742	5.69	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	77571	6.10	ug/L	0.00
37) Toluene-d8	10.32	98	199209	5.47	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	28330	5.59	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	24291	10.18	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60769	6.09	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	64157	5.70	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	47256	5.421	ug/L	99
3) Chloromethane	2.21	50	64199	6.313	ug/L	99
5) Vinyl chloride	2.37	62	61503	4.298	ug/L	96
6) Bromomethane	2.78	94	38667	5.170	ug/L	99
8) Chloroethane	2.93	64	41680	5.377	ug/L	94
9) Trichlorofluoromethane	3.26	101	38480	5.601	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	58001	5.910	ug/L #	72
12) 1,1-Dichloroethene	4.04	96	53151	5.492	ug/L	97
13) Acetone	4.12	43	50604	14.819	ug/L	100
14) Carbon disulfide	4.38	76	164262	5.185	ug/L	99
15) Methyl Acetate	4.67	43	33511	6.576	ug/L	98
16) Methylene chloride	4.91	84	81747	6.823	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	63014	4.926	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	54237	5.424	ug/L	97
19) 1,1-Dichloroethane	6.21	63	112076	5.977	ug/L	97
21) 2-Butanone	7.17	43	47984	12.550	ug/L	82
22) cis-1,2-Dichloroethene	7.16	96	54210	5.178	ug/L	98
23) Bromochloromethane	7.51	128	24358	5.325	ug/L	94
25) Chloroform	7.67	83	102965	5.885	ug/L	100
27) 1,2-Dichloroethane	8.40	62	72815	6.299	ug/L #	94
30) Cyclohexane	7.96	56	90019	5.072	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	79459	5.599	ug/L	98
32) Carbon tetrachloride	8.07	117	71106	5.346	ug/L	99
34) Benzene	8.32	78	235162	5.649	ug/L	100
35) Trichloroethene	9.09	95	57152	5.405	ug/L	99
36) Methylcyclohexane	9.33	83	95678	5.201	ug/L	99
40) 1,2-Dichloropropane	9.37	63	62243	5.898	ug/L	99
41) Bromodichloromethane	9.64	83	70297	5.574	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	80044	5.193	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	83401	12.020	ug/L	97

Data File : VW014826.D
Acq On : 03 Feb 2020 10:28
Operator : SY/VA
Sample : VSTD00510
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Feb 03 11:41:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration

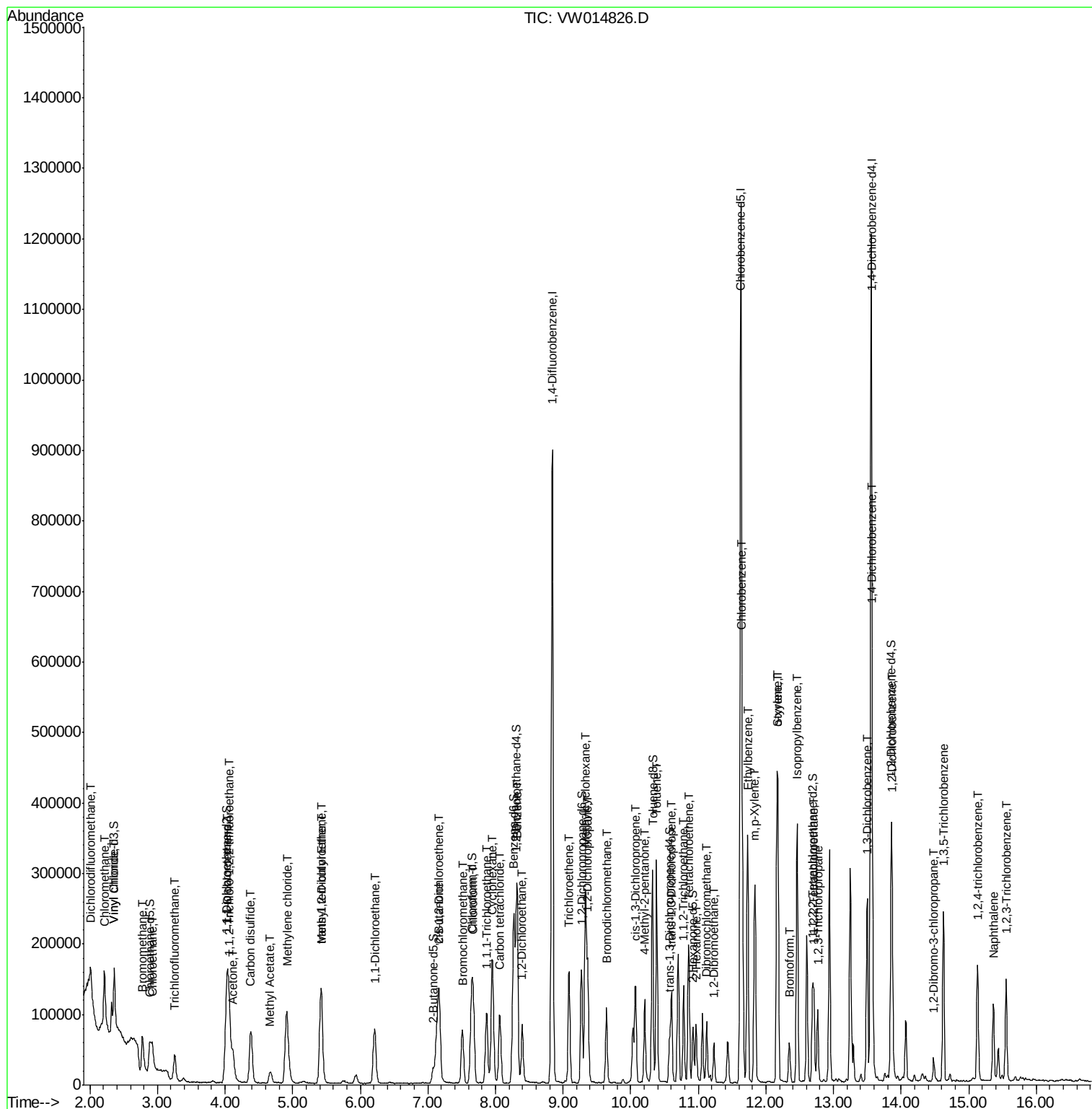
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	226942	5.366	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	67312	5.380	ug/L	97
46) 1,1,2-Trichloroethane	10.78	97	42245	5.865	ug/L	95
47) Tetrachloroethene	10.86	164	42937	5.082	ug/L	99
49) 2-Hexanone	10.97	43	53545	10.733	ug/L	97
50) Dibromochloromethane	11.13	129	43727	5.320	ug/L	99
51) 1,2-Dibromoethane	11.23	107	39359	5.680	ug/L	92
52) Chlorobenzene	11.65	112	141312	5.351	ug/L	97
53) Ethylbenzene	11.73	91	239760	5.187	ug/L	100
54) m,p-Xylene	11.84	106	86837	5.026	ug/L	91
55) o-xylene	12.16	106	78210	4.824	ug/L	98
56) Styrene	12.18	104	132749	4.828	ug/L	98
57) Isopropylbenzene	12.46	105	213441	4.861	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	53831	5.800	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	41622	5.970	ug/L	96
62) Bromoform	12.35	173	24376	5.410	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	101236	5.462	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	101159	5.446	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	90287	5.356	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	8731	6.315	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	69905	5.093	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	50767	4.983	ug/L	99
69) Naphthalene	15.36	128	89676	4.867	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	47649	5.102	ug/L	96

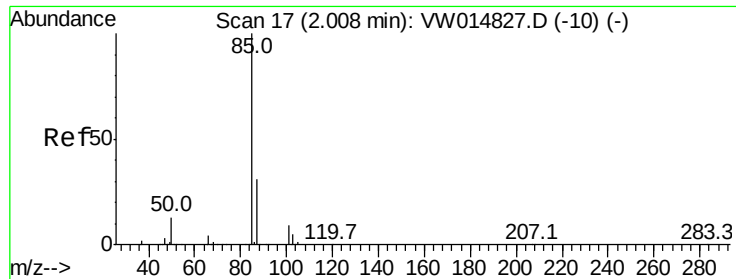
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014826.D
Acq On : 03 Feb 2020 10:28
Operator : SY/VA
Sample : VSTD00510
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Feb 03 11:41:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.421 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

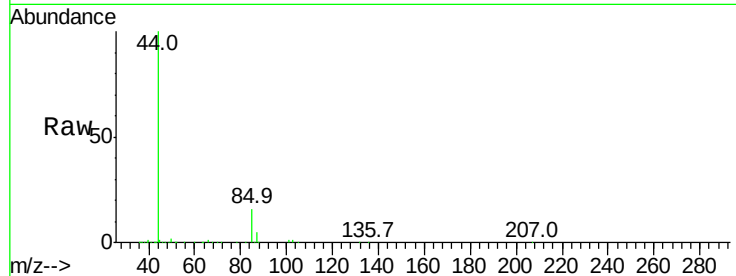
VSTD00506

Tgt Ion: 85 Resp: 47256

Ion Ratio Lower Upper

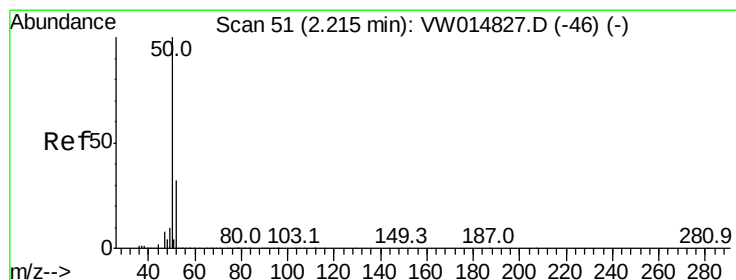
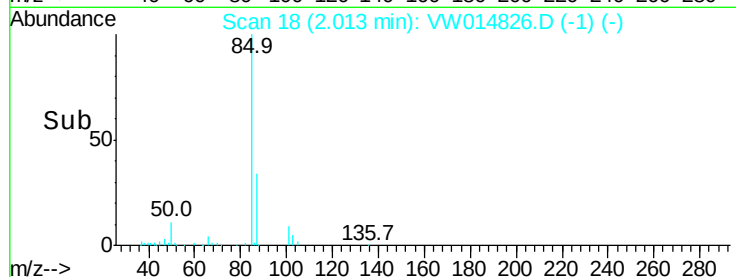
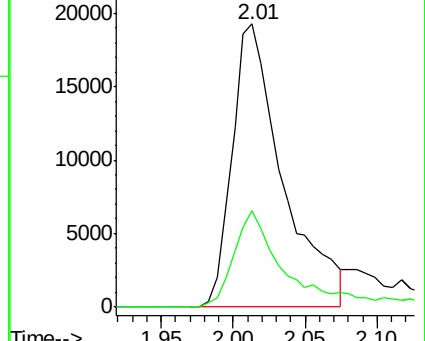
85 100

87 30.8 21.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 6.313 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014826.D

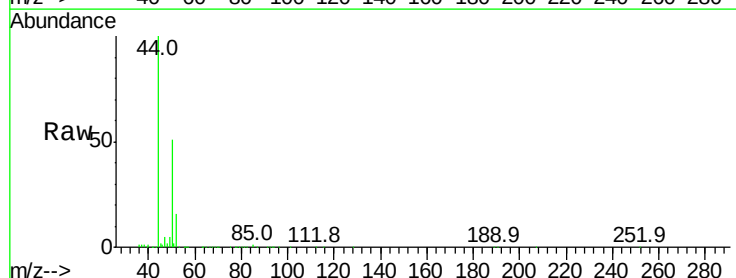
Acq: 03 Feb 2020 10:28

Tgt Ion: 50 Resp: 64199

Ion Ratio Lower Upper

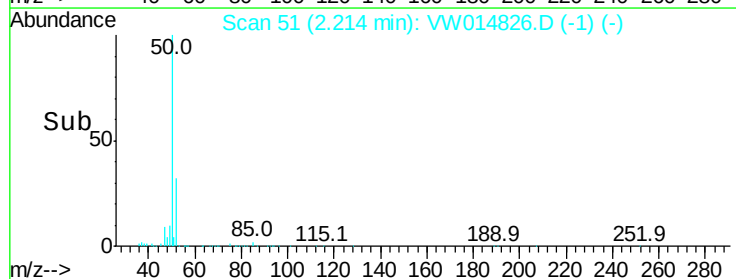
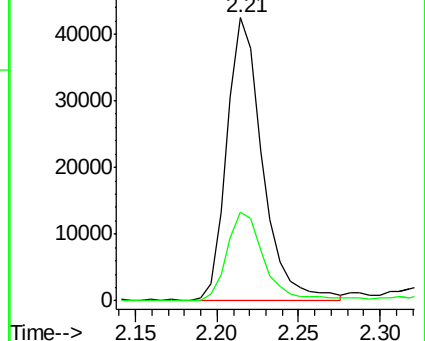
50 100

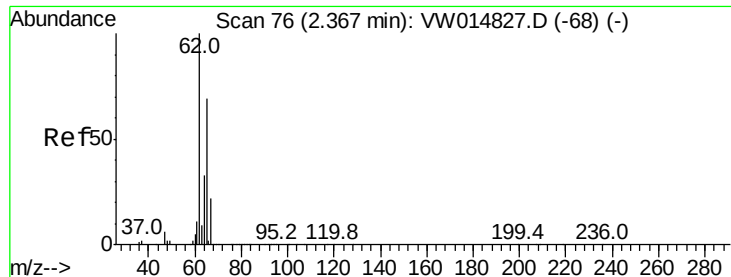
52 31.6 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.298 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

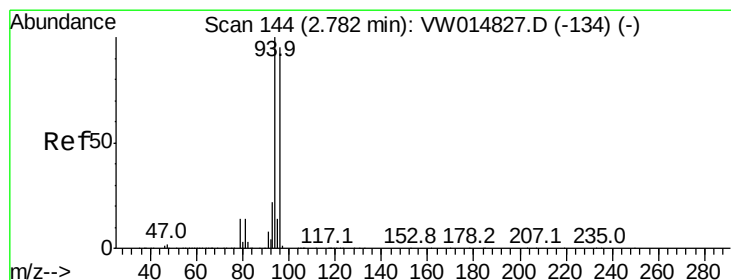
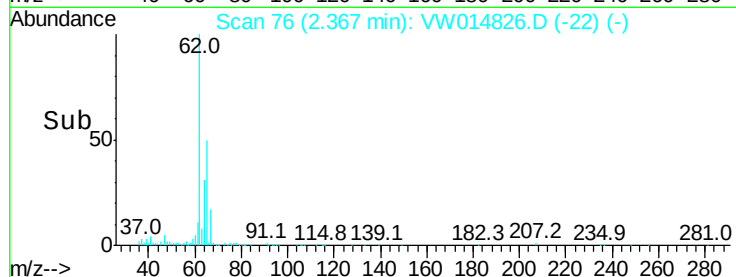
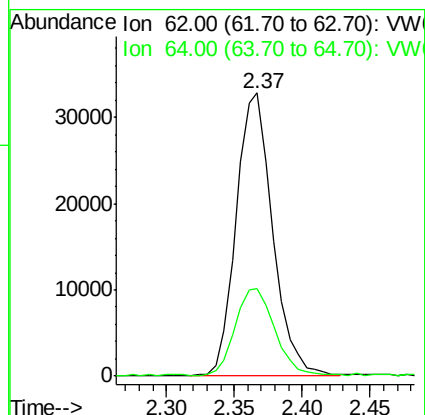
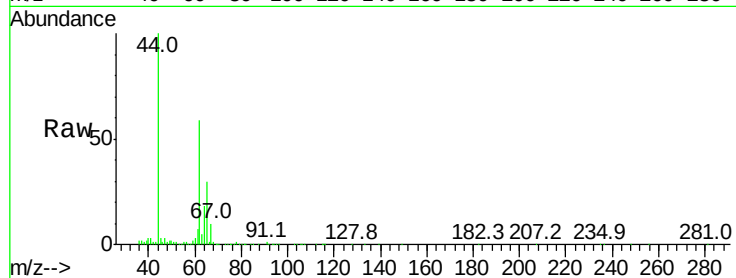
VSTD00506

Tgt Ion: 62 Resp: 61503

Ion Ratio Lower Upper

62 100

64 31.0 23.2 43.0



#6

Bromomethane

Concen: 5.170 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014826.D

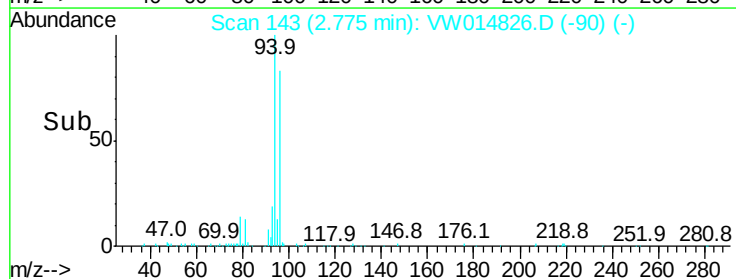
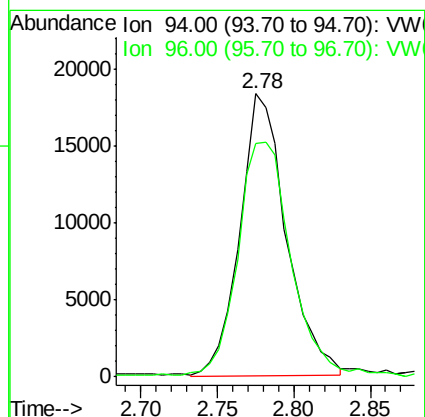
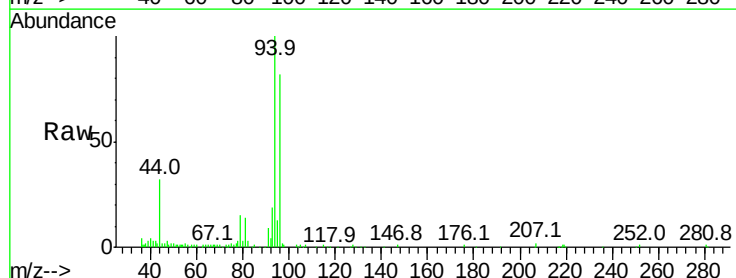
Acq: 03 Feb 2020 10:28

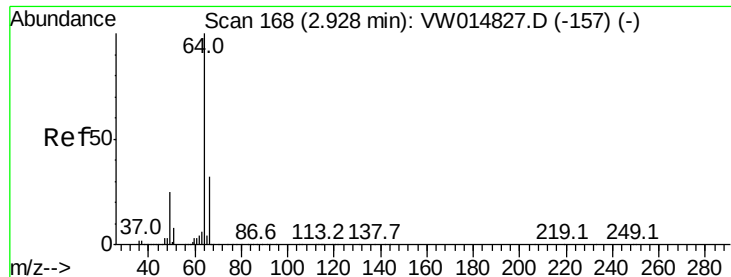
Tgt Ion: 94 Resp: 38667

Ion Ratio Lower Upper

94 100

96 93.5 9.5 179.9





#8

Chloroethane

Concen: 5.377 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

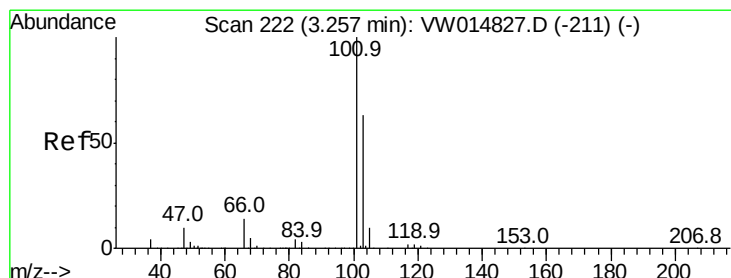
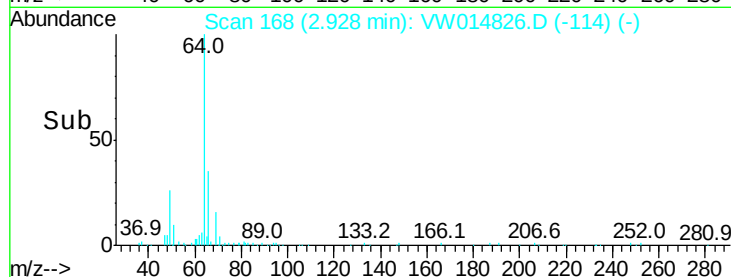
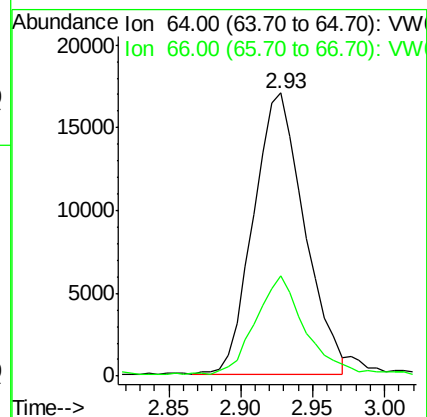
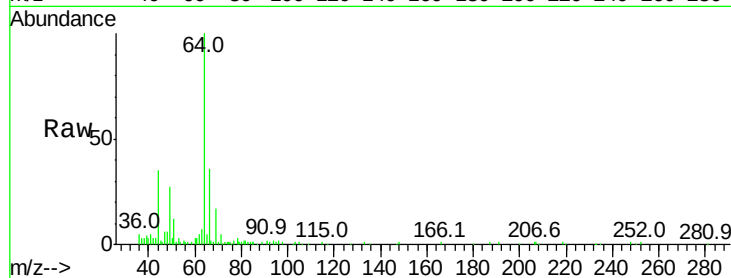
VSTD00506

Tgt Ion: 64 Resp: 41680

Ion Ratio Lower Upper

64 100

66 35.7 22.5 41.7



#9

Trichlorofluoromethane

Concen: 5.601 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014826.D

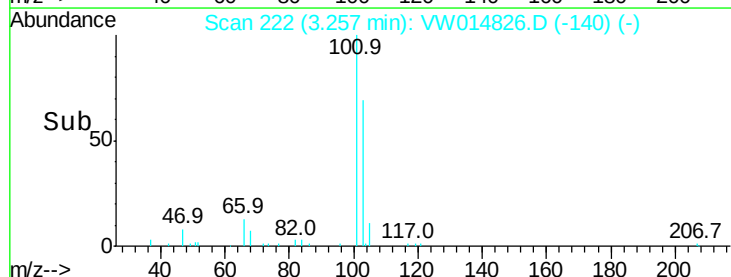
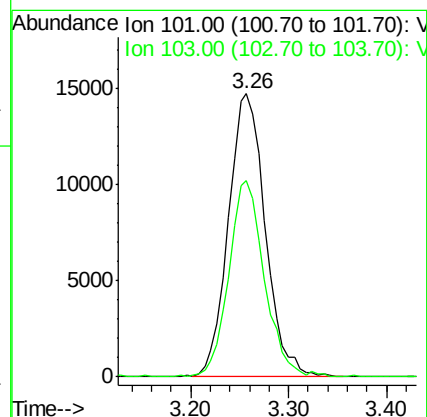
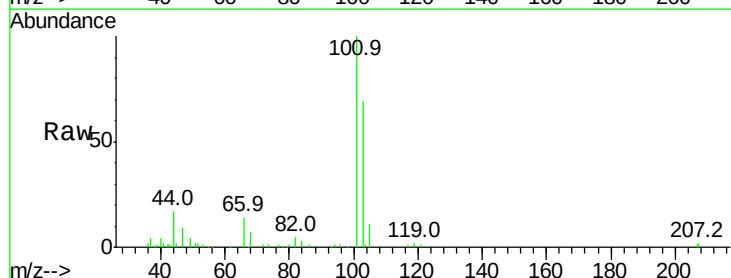
Acq: 03 Feb 2020 10:28

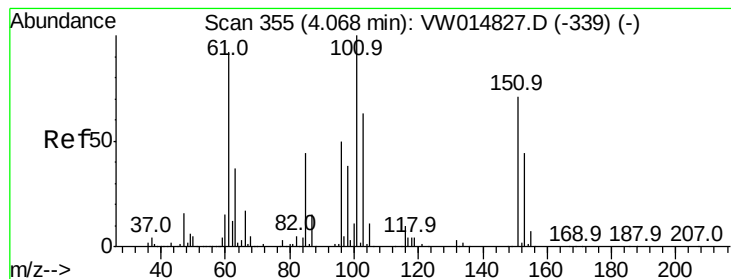
Tgt Ion: 101 Resp: 38480

Ion Ratio Lower Upper

101 100

103 66.3 45.4 84.4





#11

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

Concen: 5.910 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

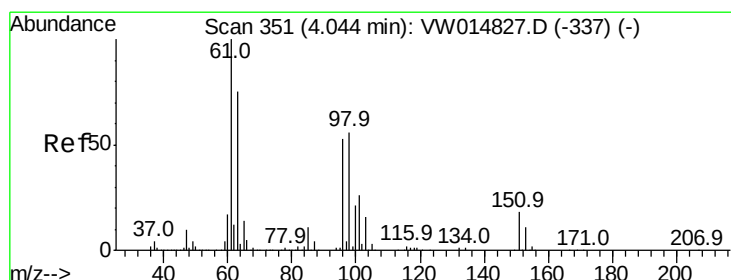
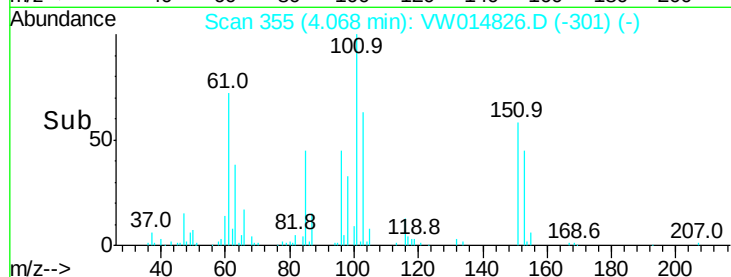
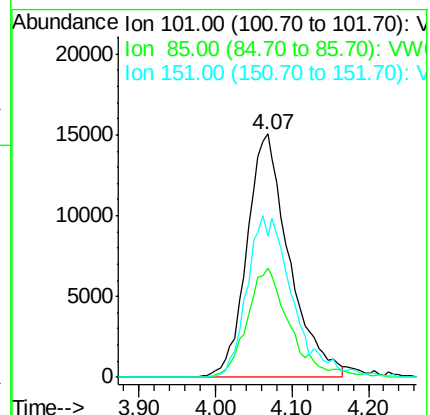
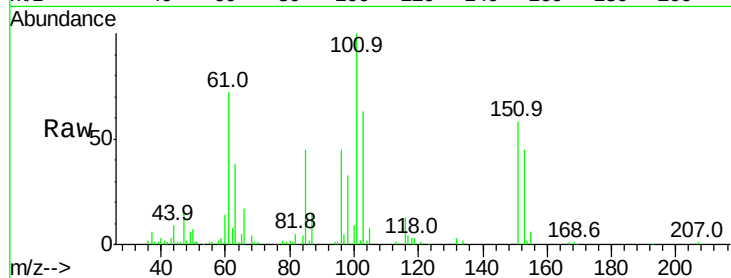
Tgt Ion: 101 Resp: 58001

Ion Ratio Lower Upper

101 100

85 40.9 34.9 52.3

151 33.6 55.2 82.8#



#12

1,1-Dichloroethene

Concen: 5.492 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

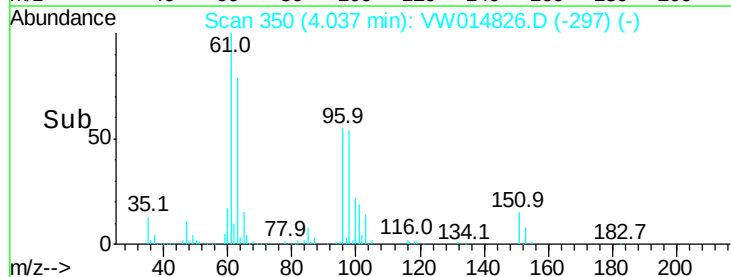
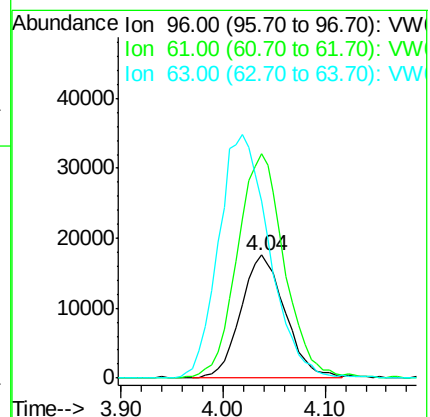
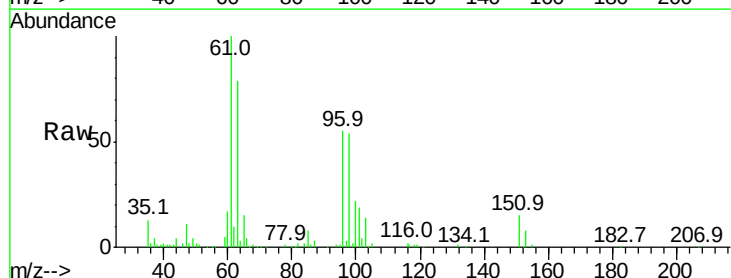
Tgt Ion: 96 Resp: 53151

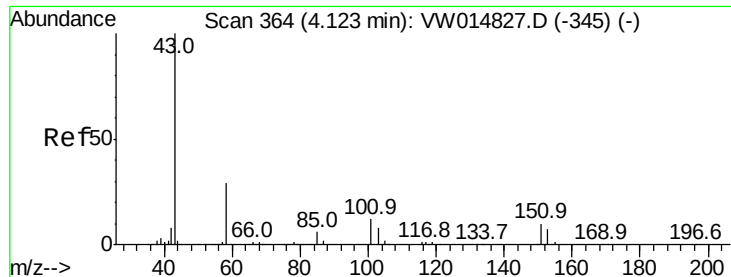
Ion Ratio Lower Upper

96 100

61 182.5 131.5 244.3

63 143.6 98.8 183.4





#13

Acetone

Concen: 14.819 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

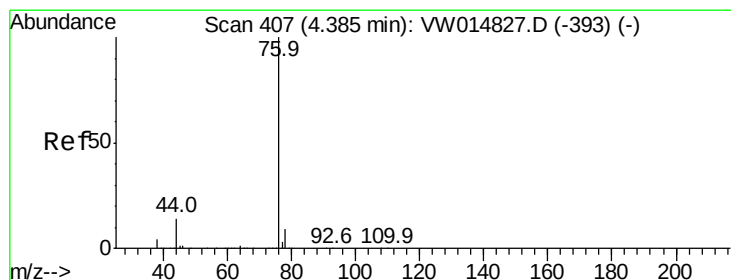
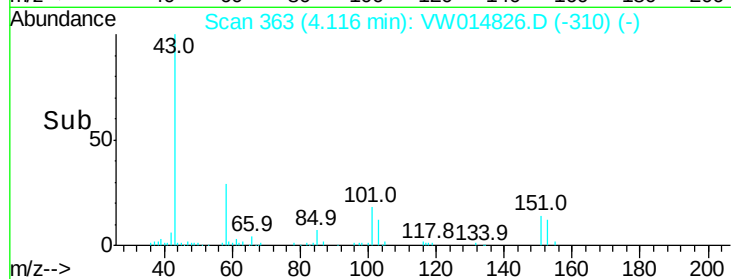
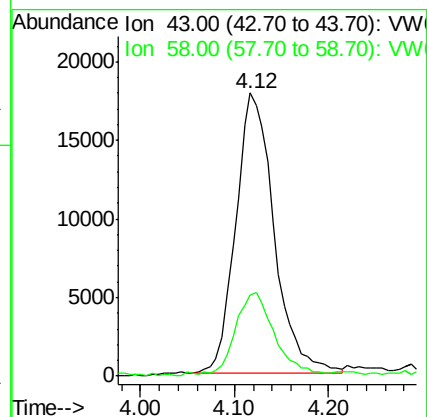
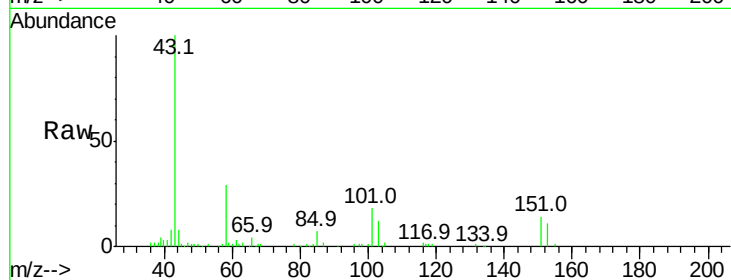
VSTD00506

Tgt Ion: 43 Resp: 50604

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.2



#14

Carbon disulfide

Concen: 5.185 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014826.D

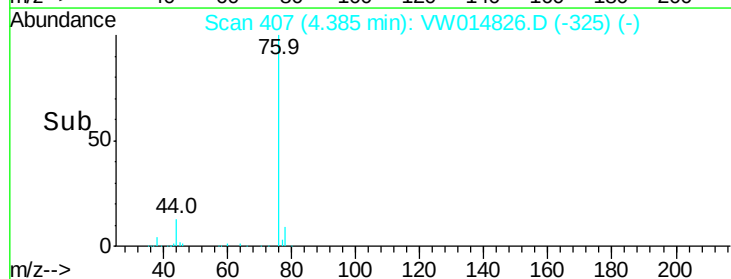
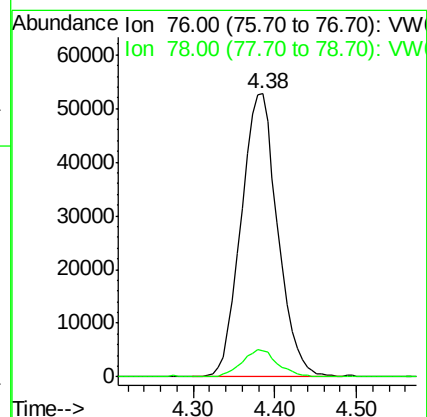
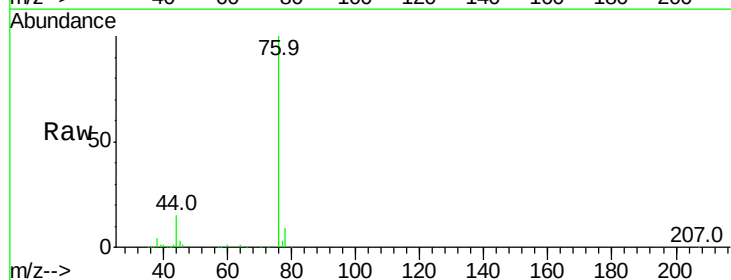
Acq: 03 Feb 2020 10:28

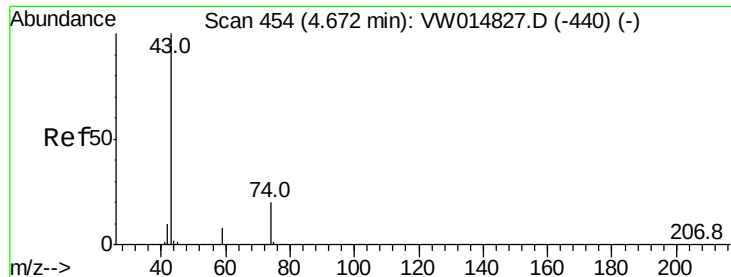
Tgt Ion: 76 Resp: 164262

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

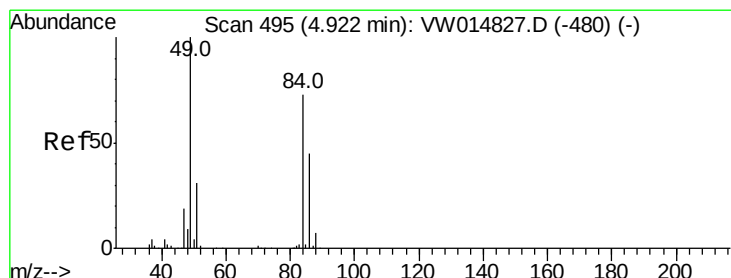
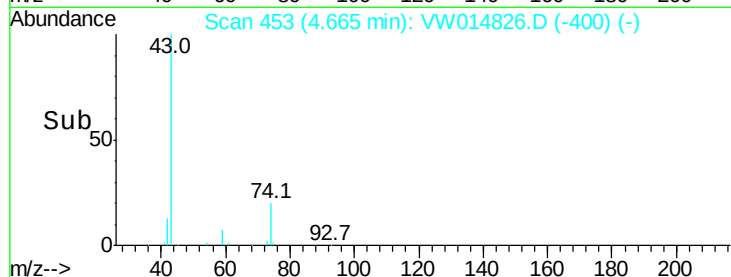
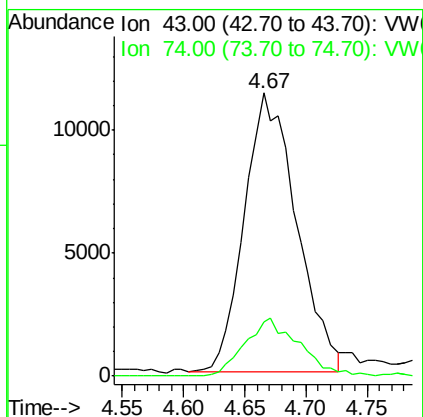
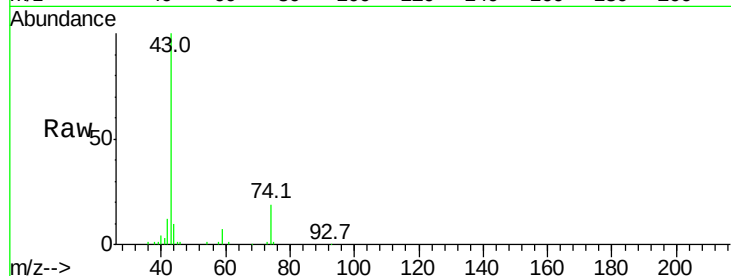




#15
Methyl Acetate
Concen: 6.576 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

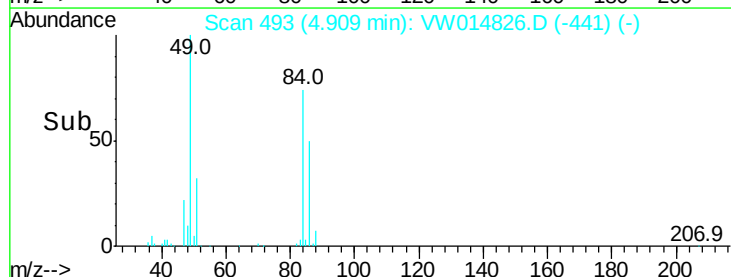
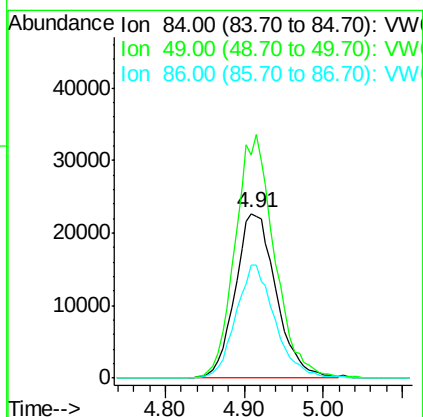
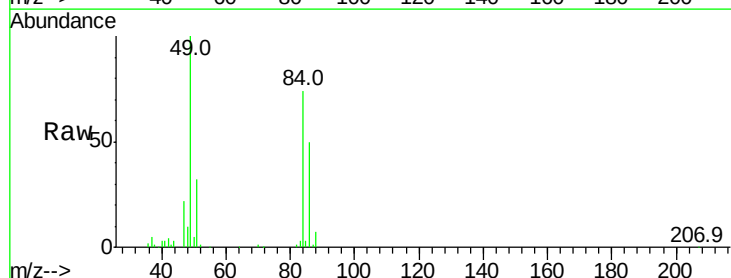
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

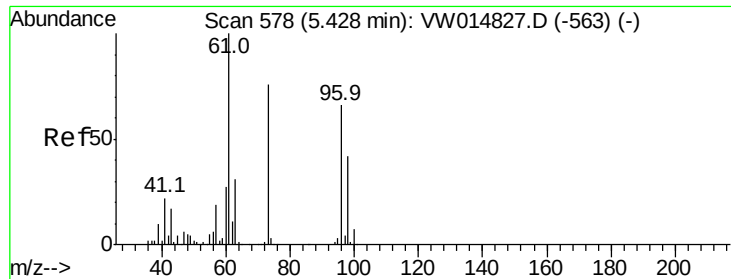
Tgt Ion: 43 Resp: 33511
Ion Ratio Lower Upper
43 100
74 21.4 16.3 24.5



#16
Methylene chloride
Concen: 6.823 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

Tgt Ion: 84 Resp: 81747
Ion Ratio Lower Upper
84 100
49 135.8 96.6 179.4
86 68.5 43.8 81.4





#17

Methyl tert-butyl Ether

Concen: 4.926 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

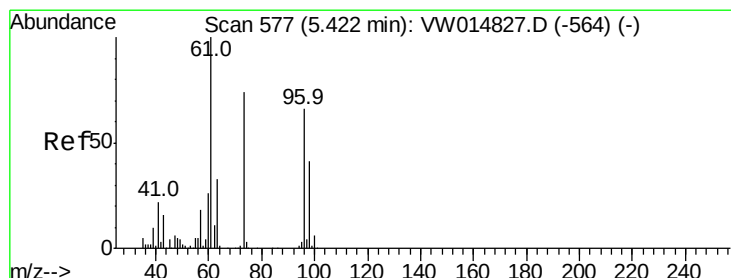
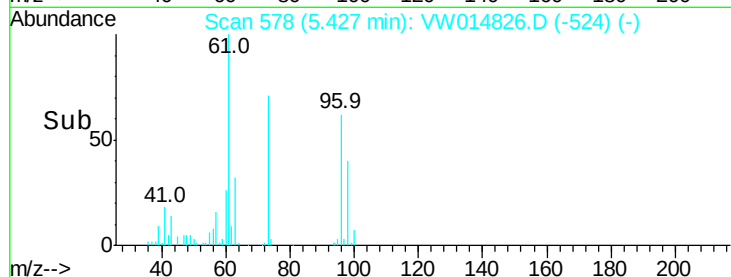
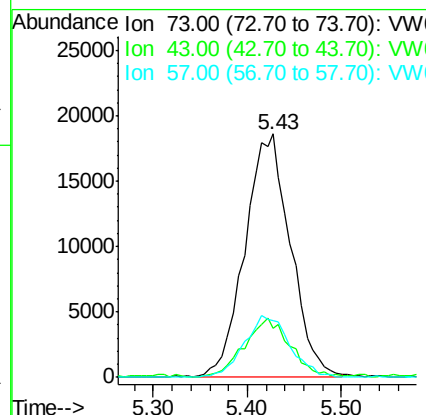
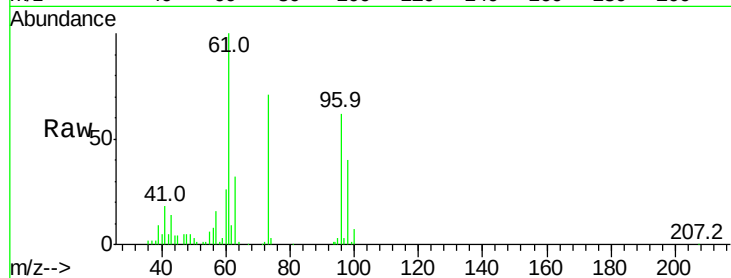
Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Tgt Ion: 73 Resp: 63014

Ion	Ratio	Lower	Upper
73	100		
43	24.4	17.6	26.4
57	16.5	19.8	29.6#



#18

trans-1,2-Dichloroethene

Concen: 5.424 ug/L

RT: 5.42 min Scan# 576

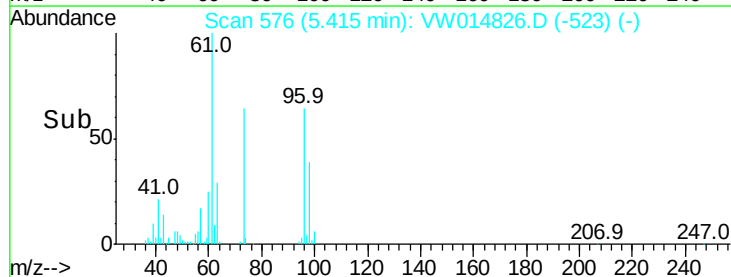
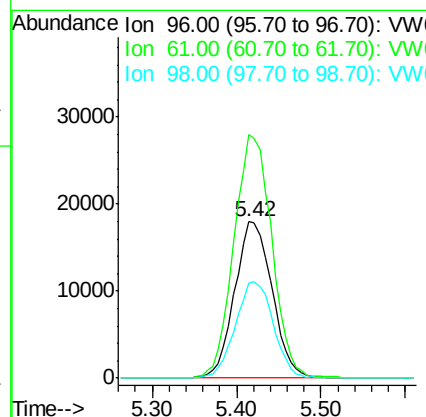
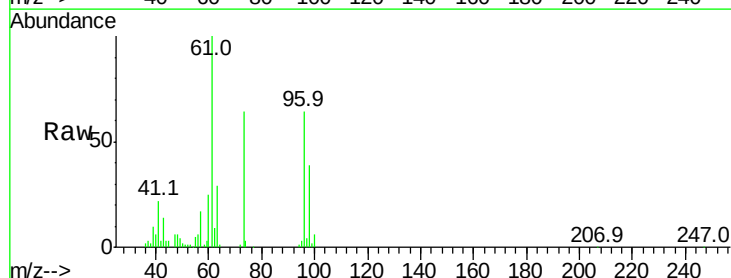
Delta R.T. -0.01 min

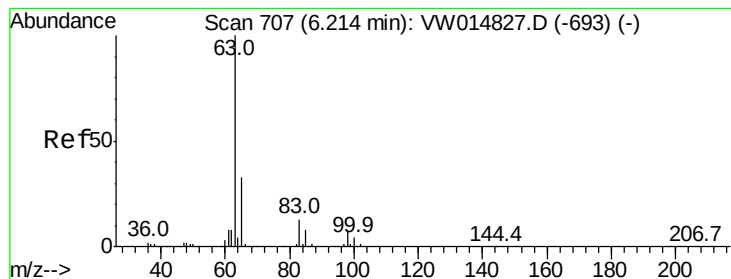
Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Tgt Ion: 96 Resp: 54237

Ion	Ratio	Lower	Upper
96	100		
61	156.1	106.3	197.3
98	61.0	43.5	80.9





#19

1,1-Dichloroethane

Concen: 5.977 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

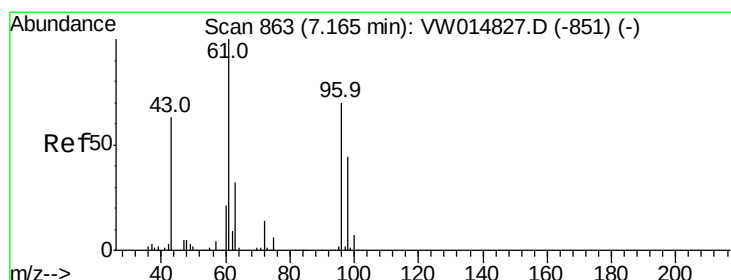
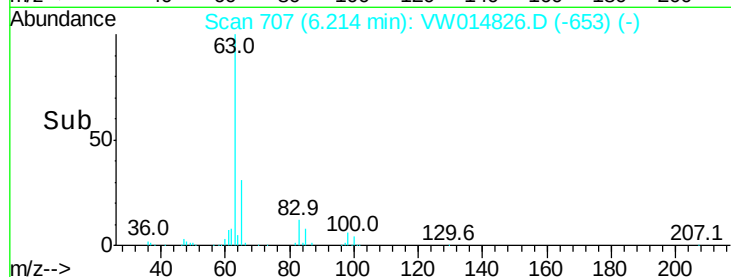
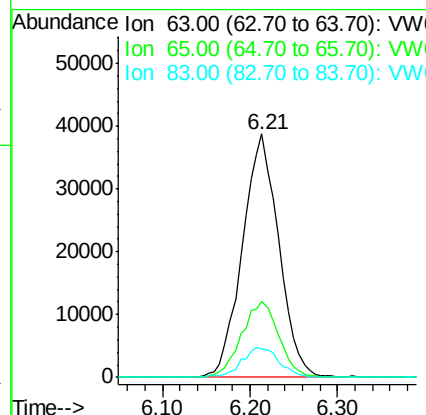
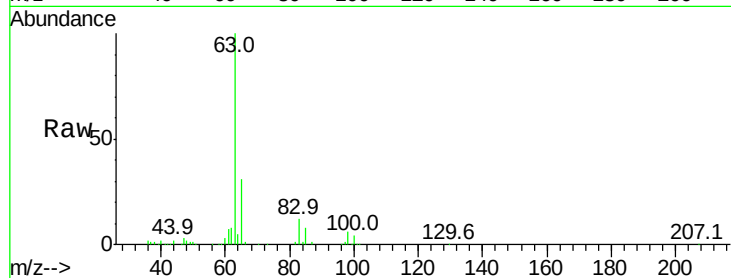
Tgt Ion: 63 Resp: 112076

Ion Ratio Lower Upper

63 100

65 31.3 23.0 42.6

83 11.7 9.0 16.6



#21

2-Butanone

Concen: 12.550 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014826.D

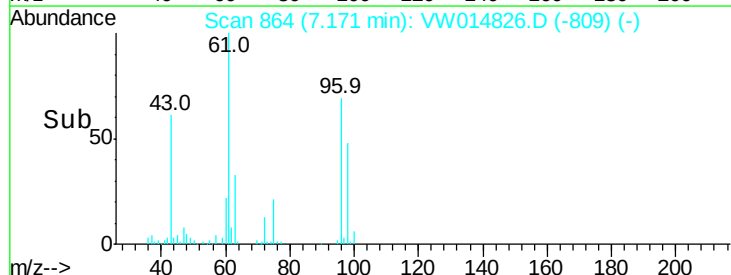
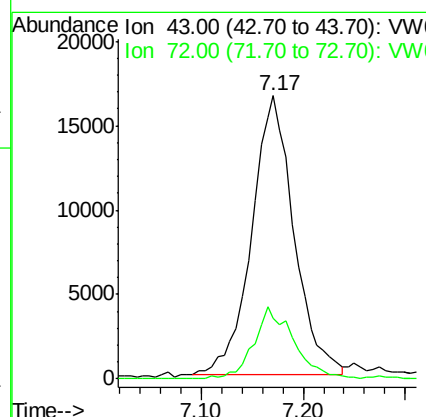
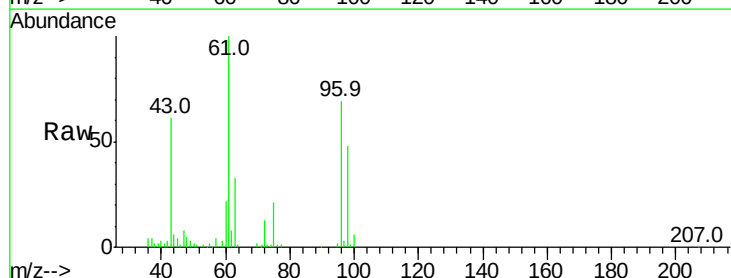
Acq: 03 Feb 2020 10:28

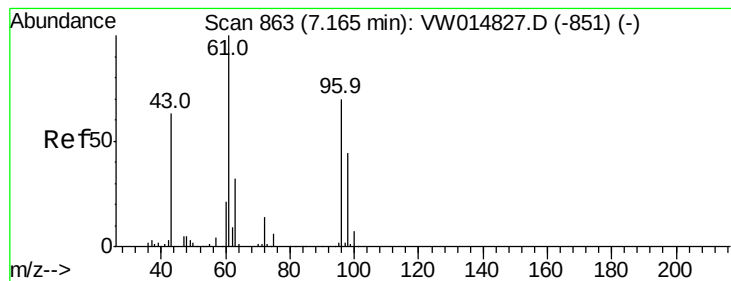
Tgt Ion: 43 Resp: 47984

Ion Ratio Lower Upper

43 100

72 14.5 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.178 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

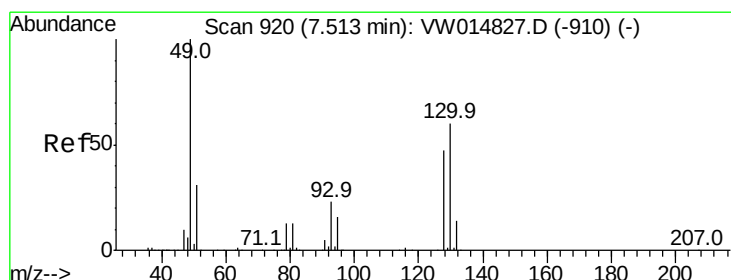
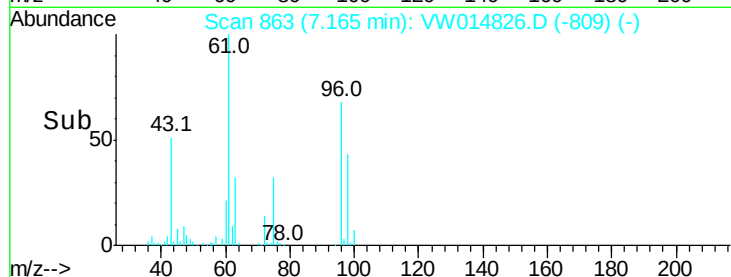
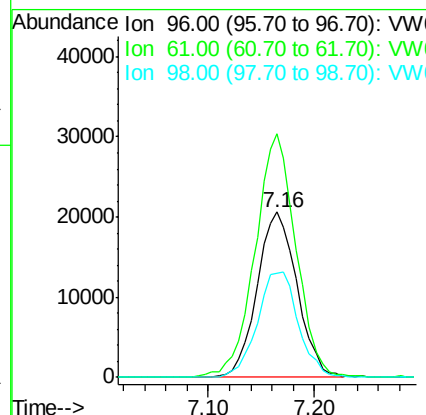
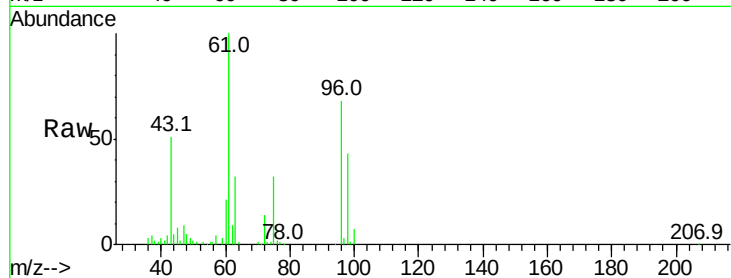
Tgt Ion: 96 Resp: 54210

Ion Ratio Lower Upper

96 100

61 147.5 100.6 186.8

98 63.2 44.0 81.8



#23

Bromochloromethane

Concen: 5.325 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Tgt Ion: 128 Resp: 24358

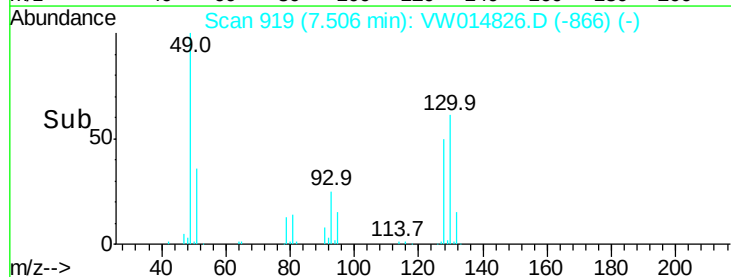
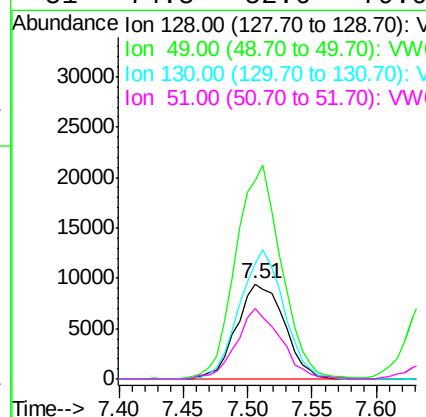
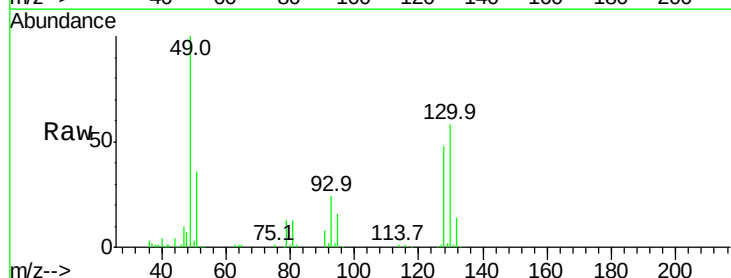
Ion Ratio Lower Upper

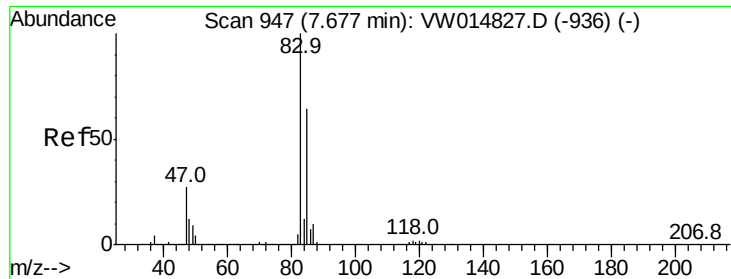
128 100

49 208.4 150.7 279.9

130 121.0 90.6 168.3

51 74.5 52.6 79.0





#25

Chloroform

Concen: 5.885 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

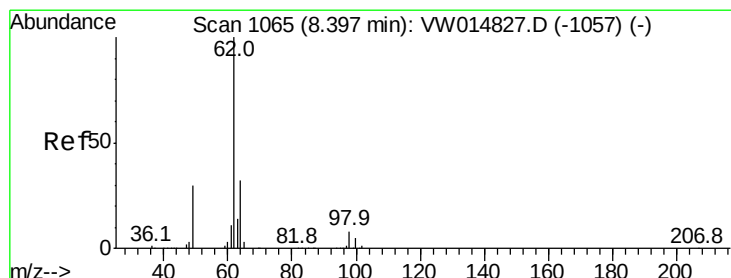
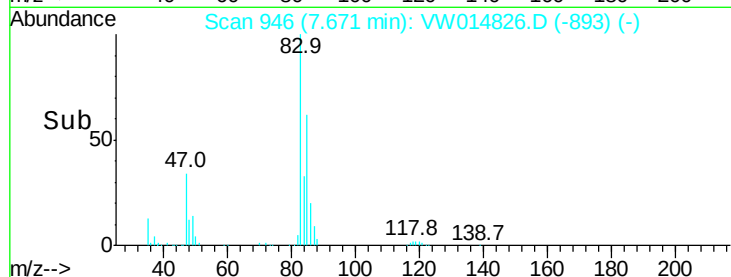
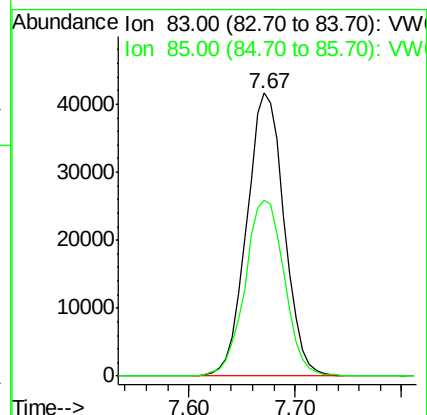
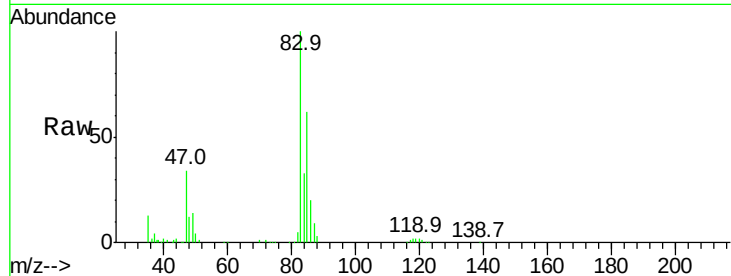
VSTD00506

Tgt Ion: 83 Resp: 102965

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 6.299 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014826.D

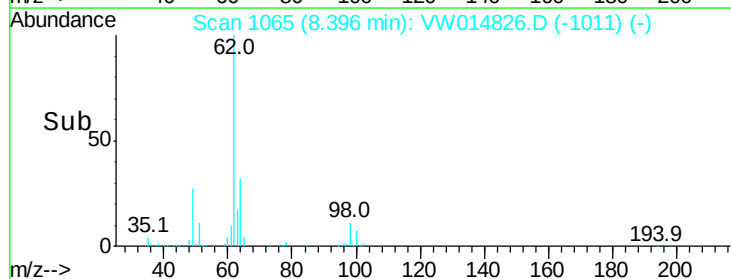
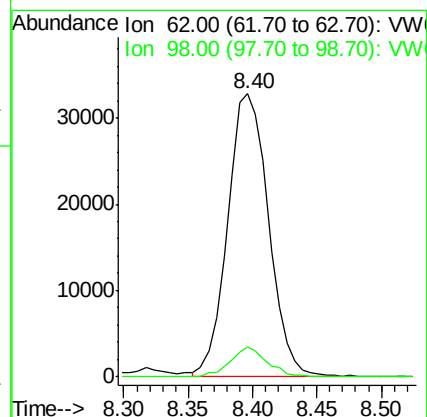
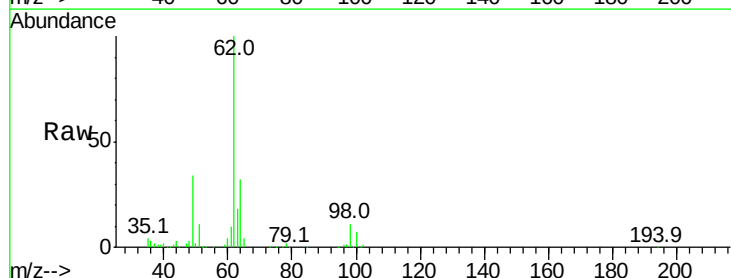
Acq: 03 Feb 2020 10:28

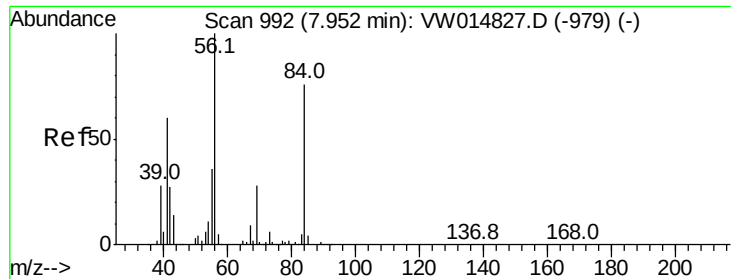
Tgt Ion: 62 Resp: 72815

Ion Ratio Lower Upper

62 100

98 10.5 6.8 10.2#

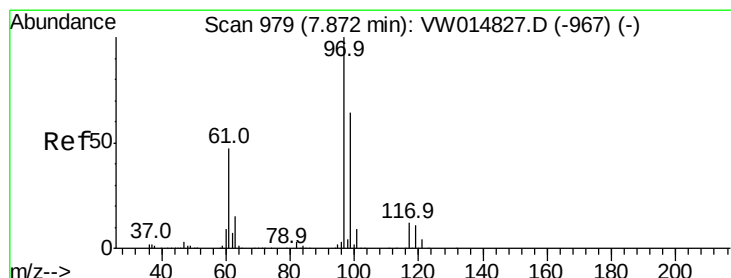
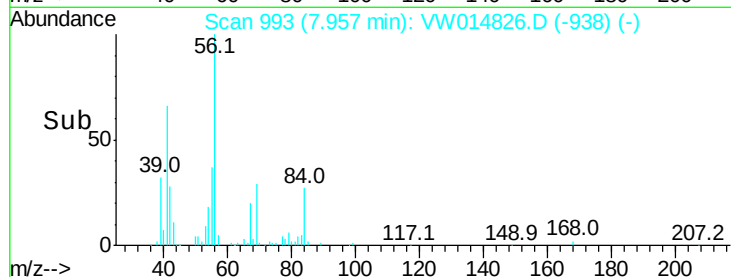
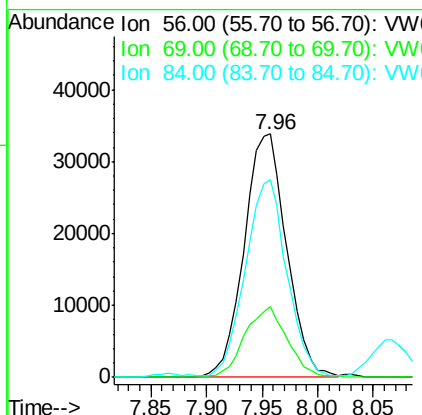
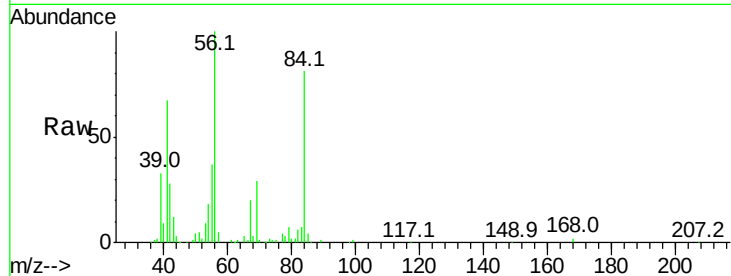




#30
Cyclohexane
Concen: 5.072 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

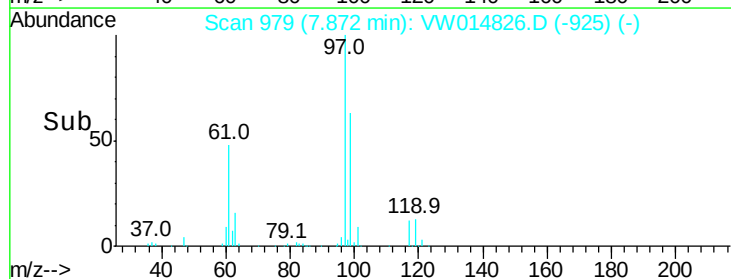
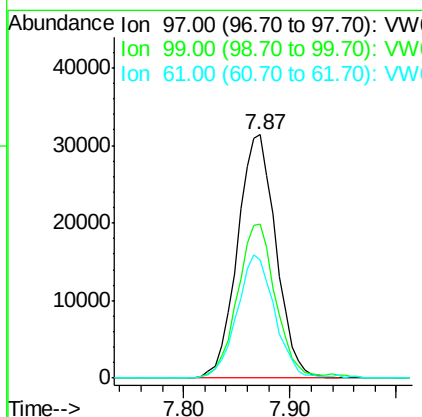
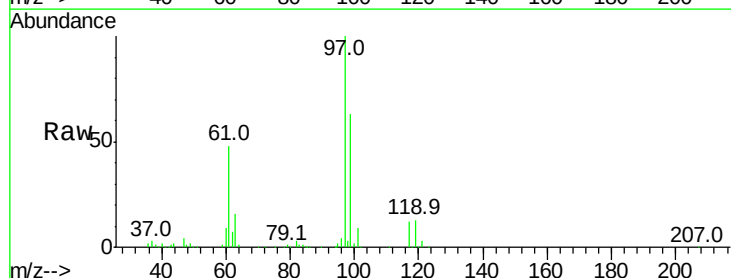
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

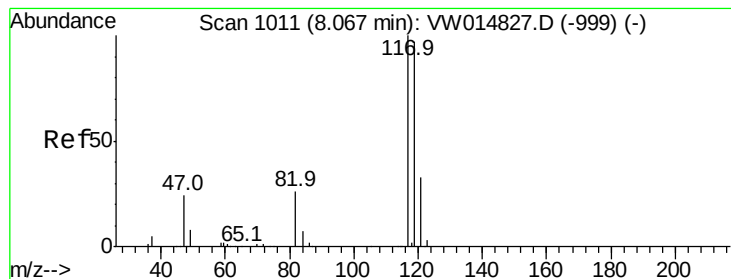
Tgt Ion: 56 Resp: 90019
Ion Ratio Lower Upper
56 100
69 27.6 22.6 33.8
84 79.6 62.2 93.4



#31
1,1,1-Trichloroethane
Concen: 5.599 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

Tgt Ion: 97 Resp: 79459
Ion Ratio Lower Upper
97 100
99 62.8 51.4 77.0
61 49.7 39.0 58.4





#32

Carbon tetrachloride

Concen: 5.346 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

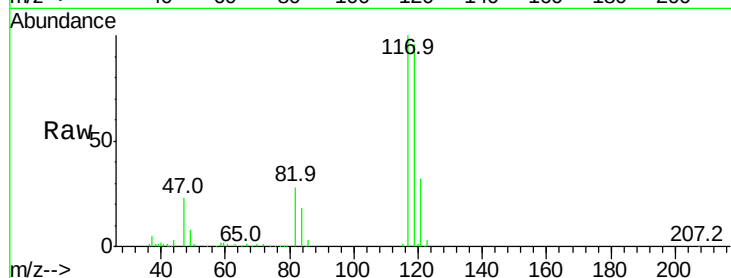
VSTD00506

Tgt Ion:117 Resp: 71106

Ion Ratio Lower Upper

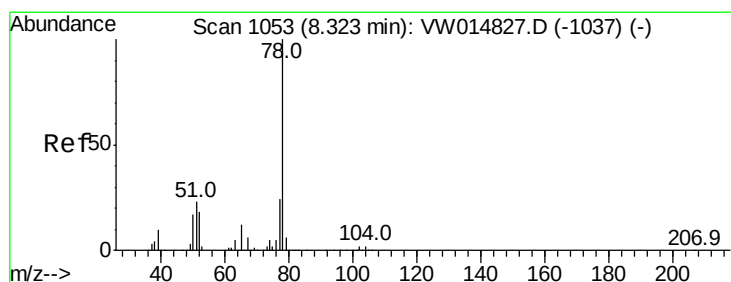
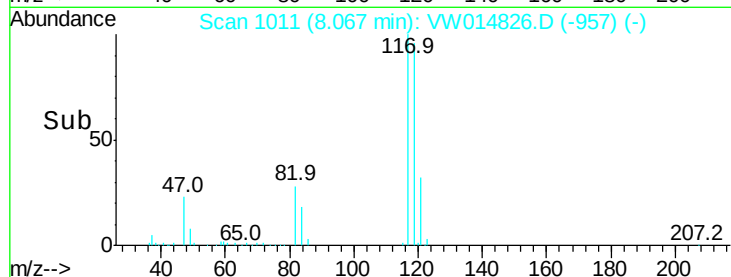
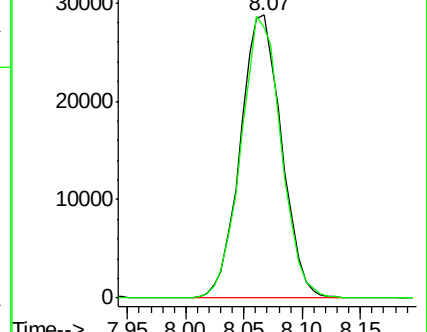
117 100

119 97.1 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.649 ug/L

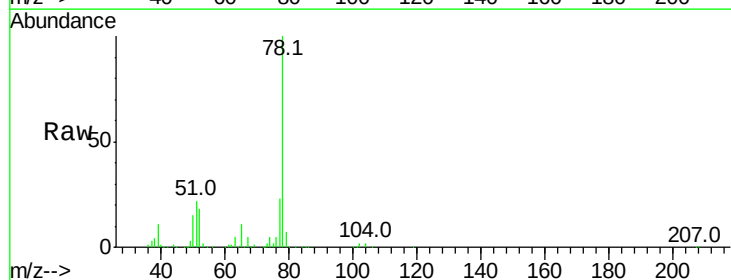
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

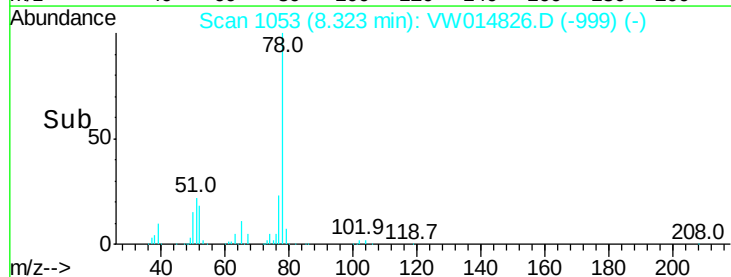
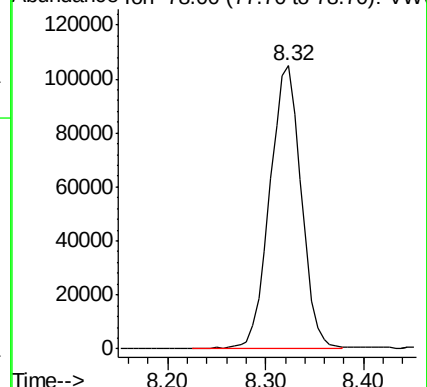
Lab File: VW014826.D

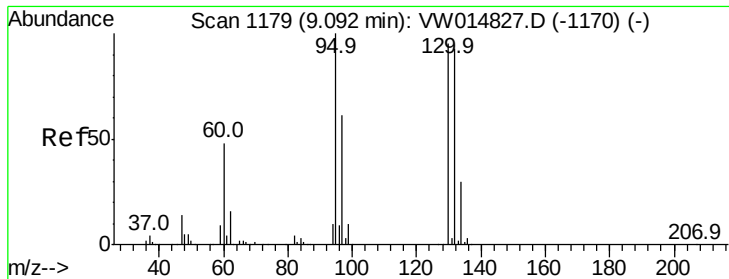
Acq: 03 Feb 2020 10:28

Tgt Ion: 78 Resp: 235162



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.405 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

Tgt Ion: 95 Resp: 57152

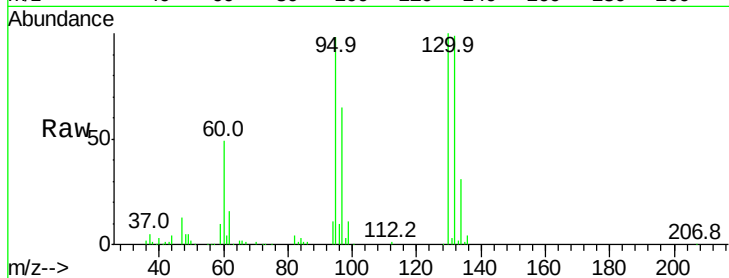
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 93.0 64.3 119.5

130 97.0 67.6 125.6

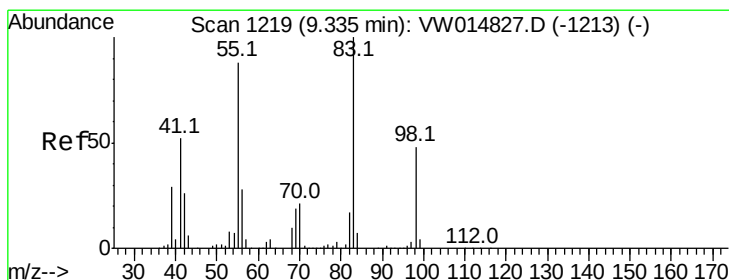
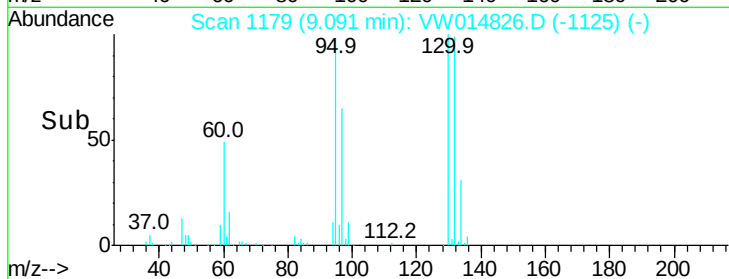
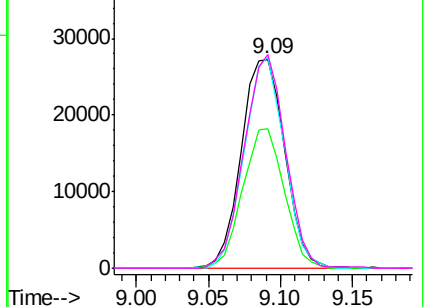


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 5.201 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

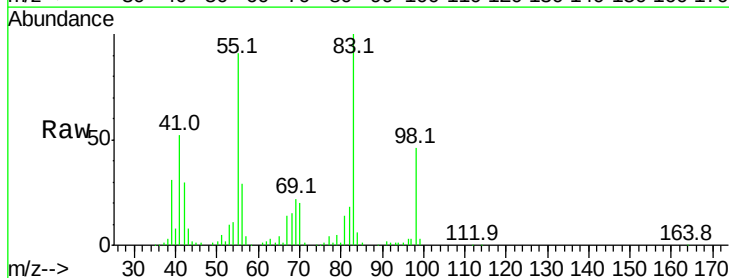
Tgt Ion: 83 Resp: 95678

Ion Ratio Lower Upper

83 100

55 90.6 71.0 106.6

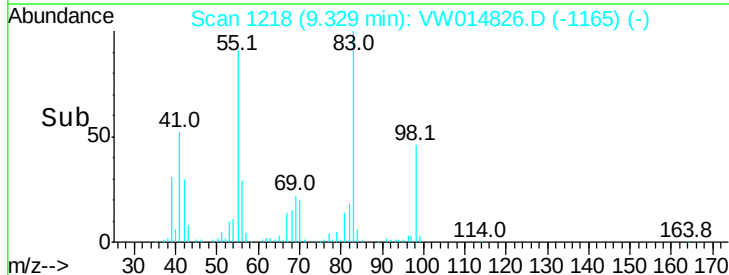
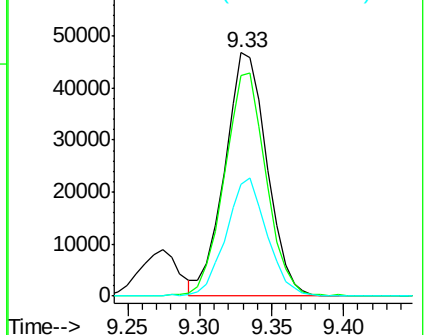
98 46.9 37.7 56.5

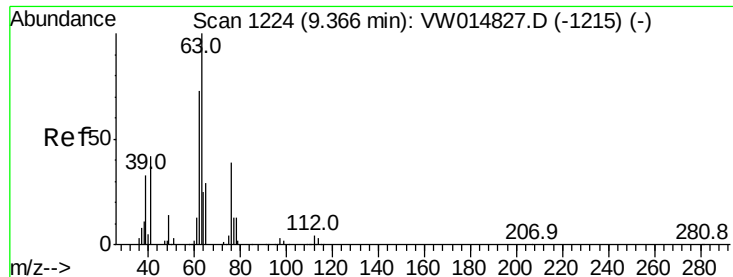


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.898 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

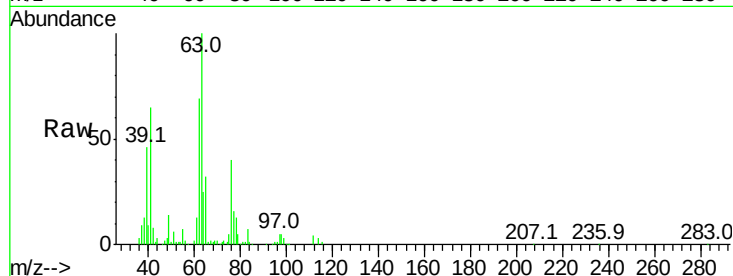
VSTD00506

Tgt Ion: 63 Resp: 62243

Ion Ratio Lower Upper

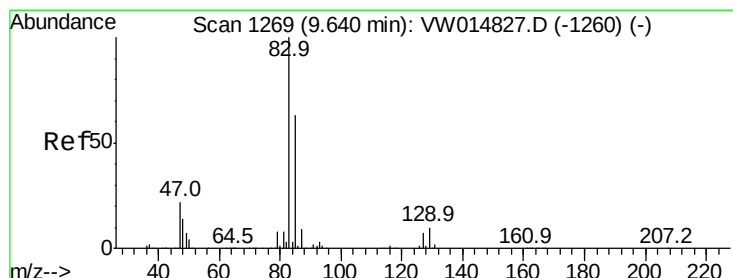
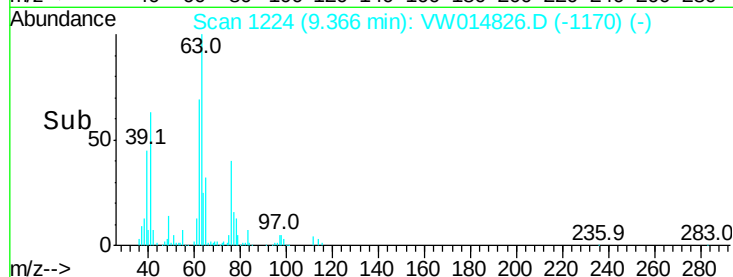
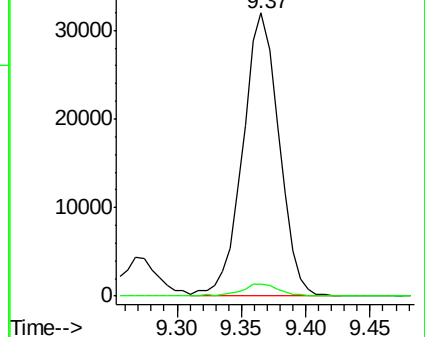
63 100

112 4.4 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 5.574 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

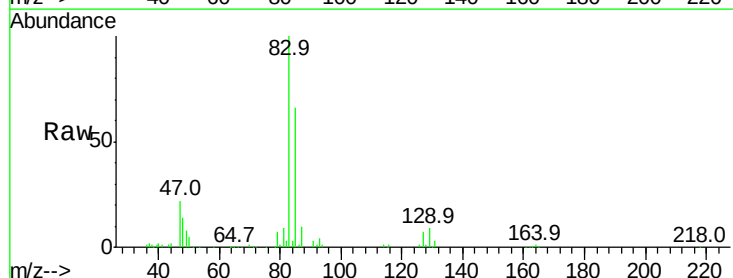
Tgt Ion: 83 Resp: 70297

Ion Ratio Lower Upper

83 100

85 66.1 44.2 82.0

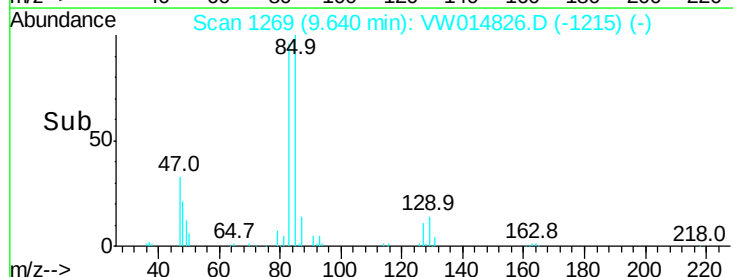
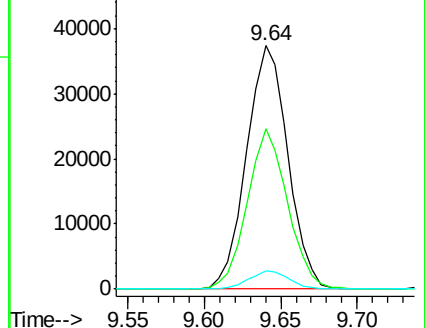
127 7.4 6.0 9.0

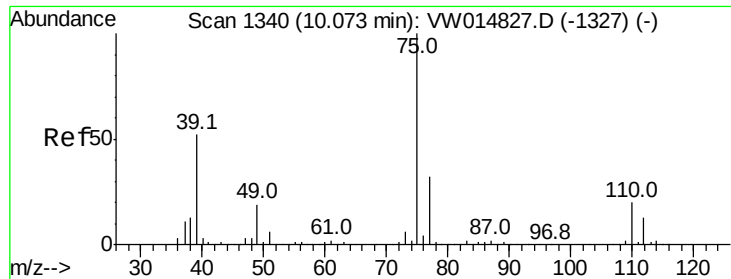


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 5.193 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

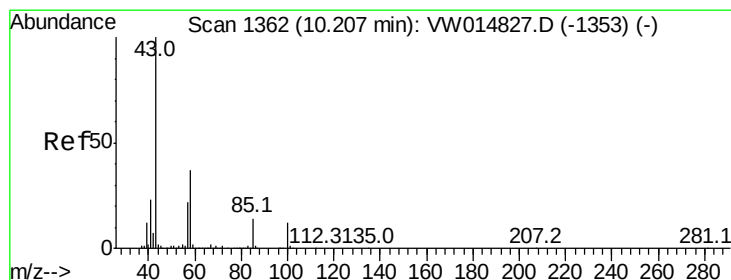
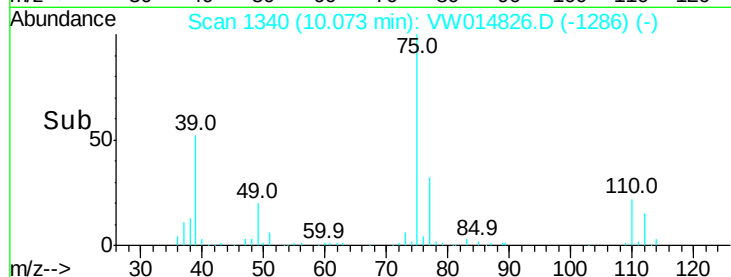
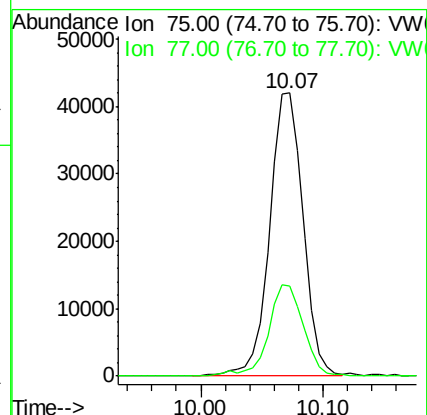
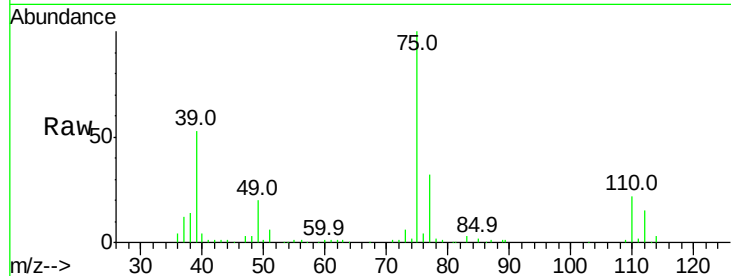
VSTD00506

Tgt Ion: 75 Resp: 80044

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 12.020 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

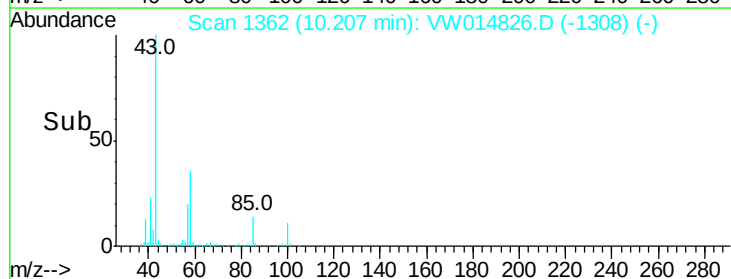
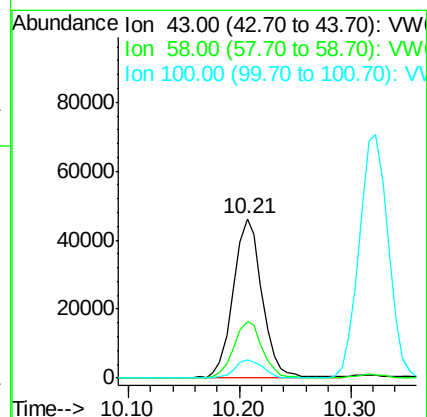
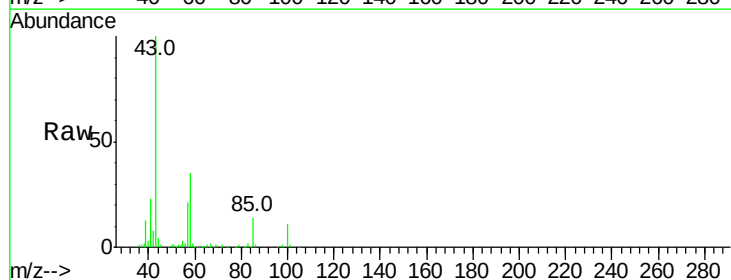
Tgt Ion: 43 Resp: 83401

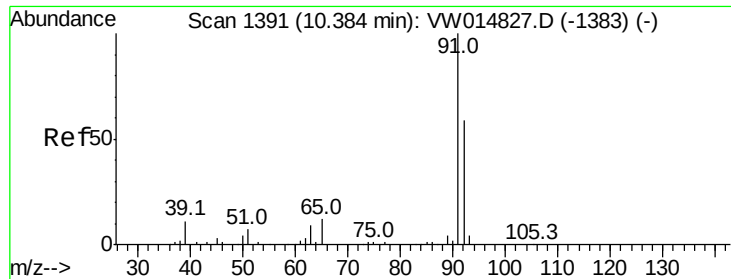
Ion Ratio Lower Upper

43 100

58 35.2 29.3 43.9

100 11.2 10.2 15.4





#44

Toluene

Concen: 5.366 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

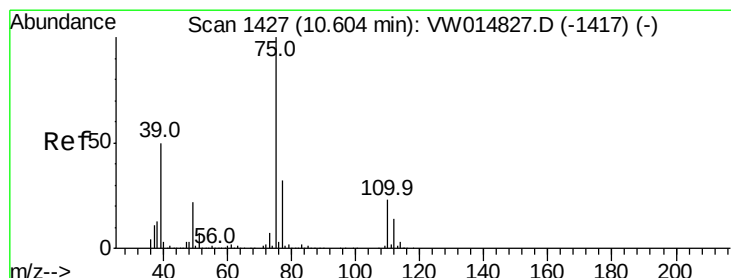
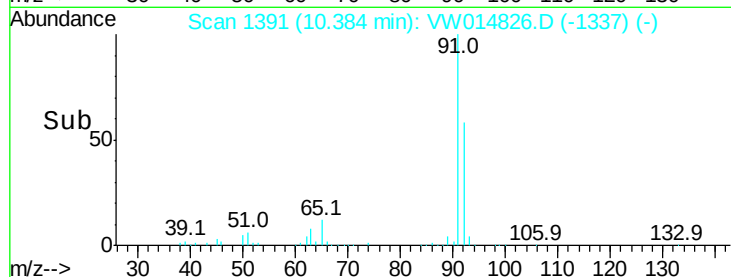
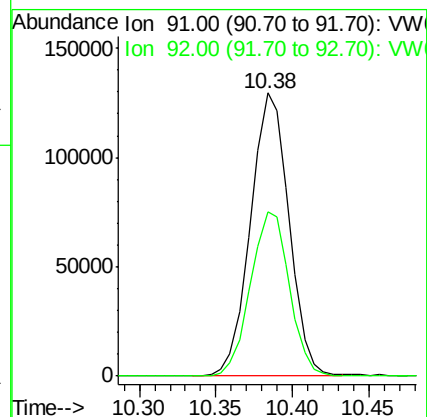
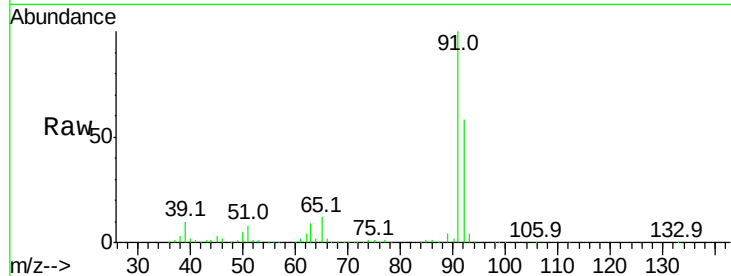
VSTD00506

Tgt Ion: 91 Resp: 226942

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 5.380 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014826.D

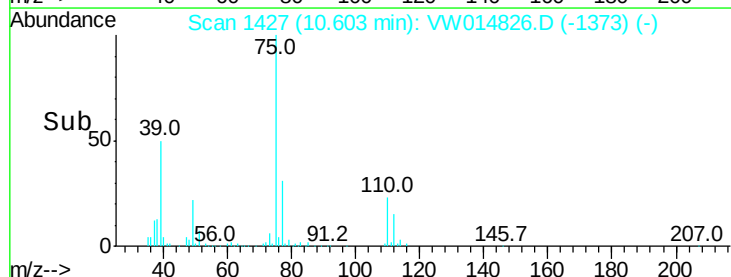
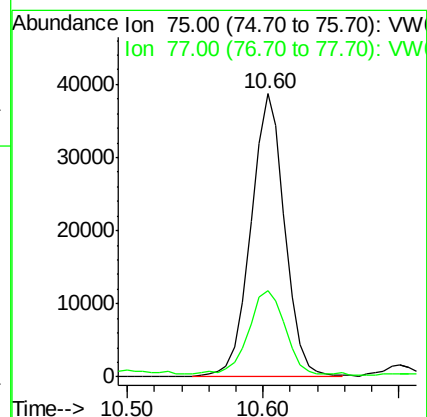
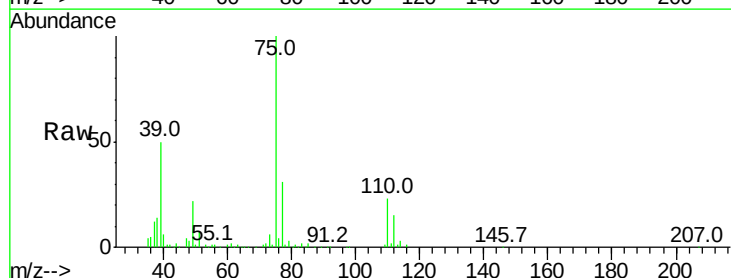
Acq: 03 Feb 2020 10:28

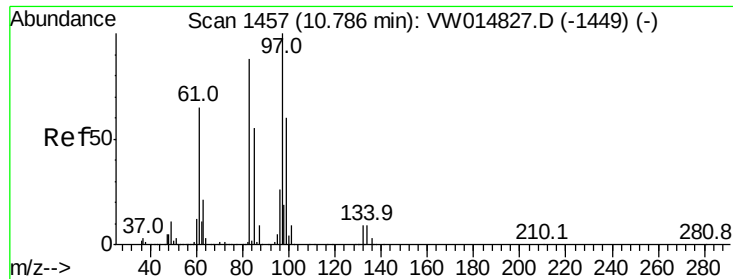
Tgt Ion: 75 Resp: 67312

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 5.865 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

Tgt Ion: 97 Resp: 42245

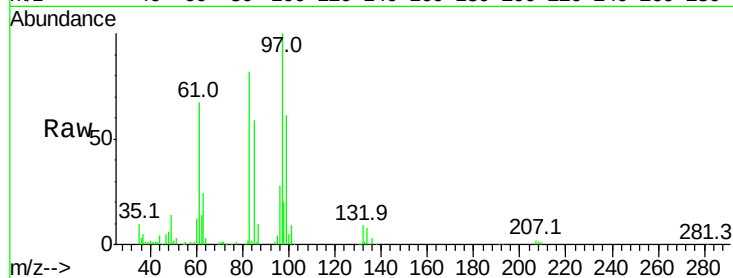
Ion Ratio Lower Upper

97 100

83 82.3 61.9 115.1

85 58.6 38.5 71.5

99 60.7 42.0 78.0

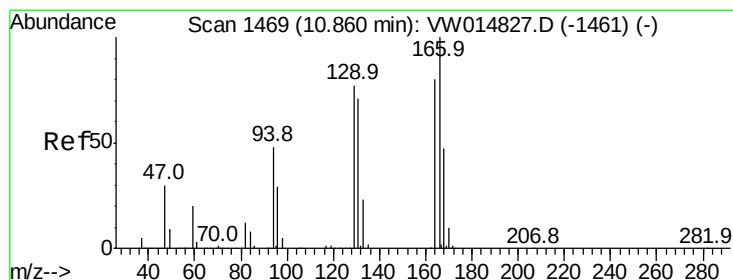
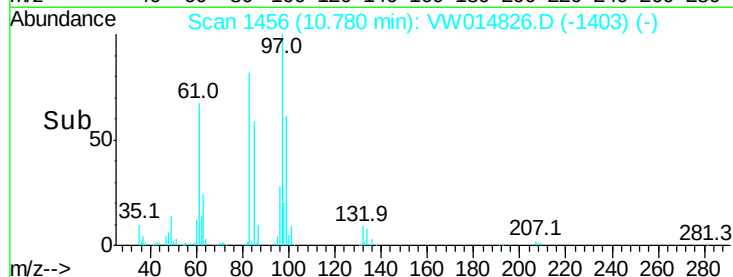
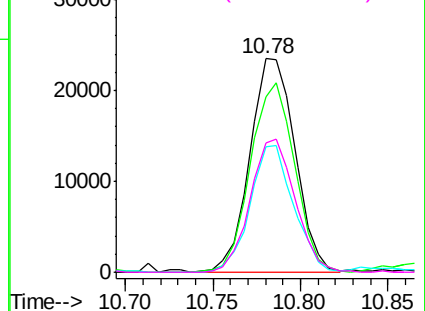


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 5.082 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Tgt Ion: 164 Resp: 42937

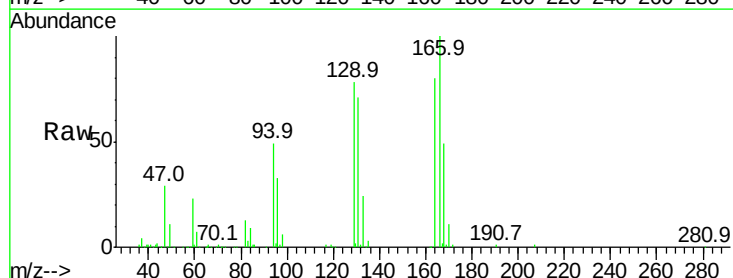
Ion Ratio Lower Upper

164 100

129 97.6 67.1 124.5

131 89.2 62.2 115.6

166 125.3 87.6 162.6

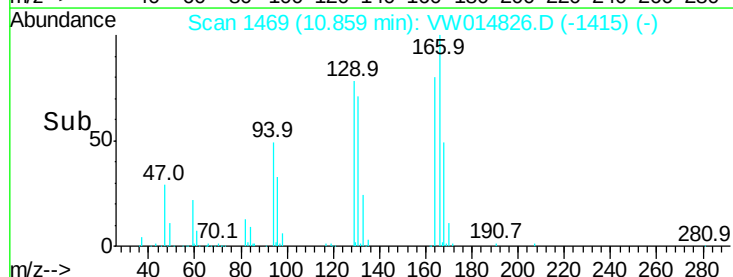
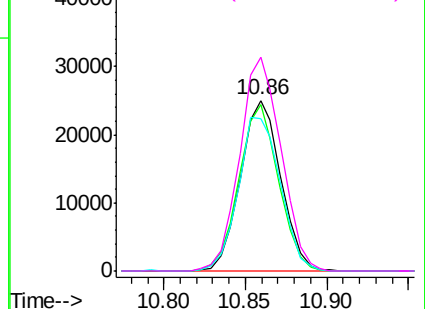


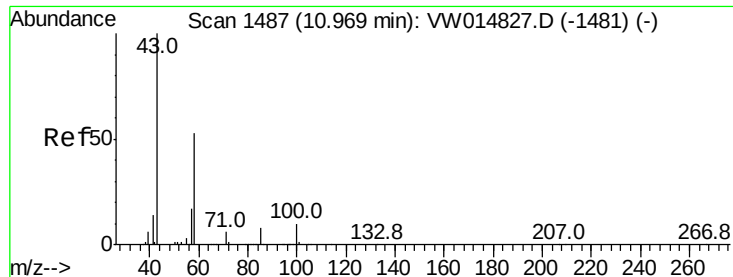
Abundance Ion 164.00 (163.70 to 164.70): V

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

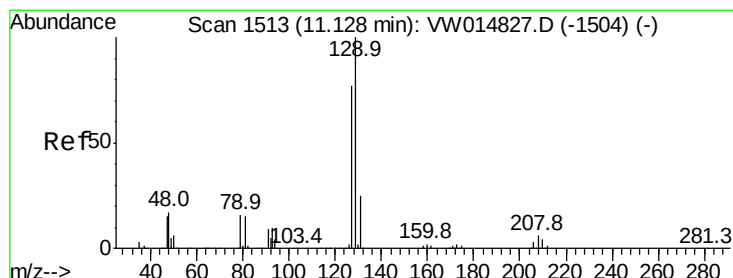
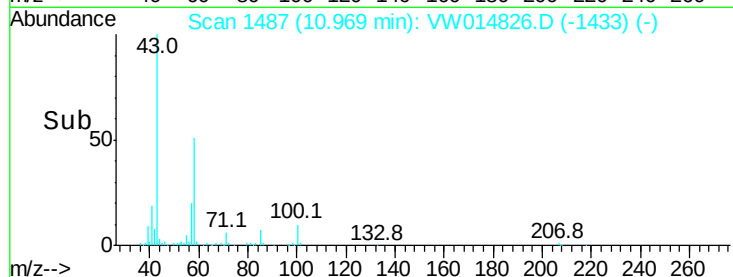
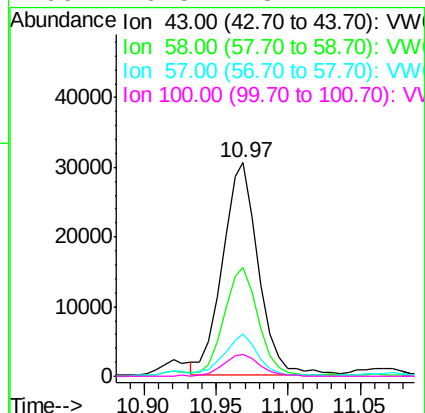
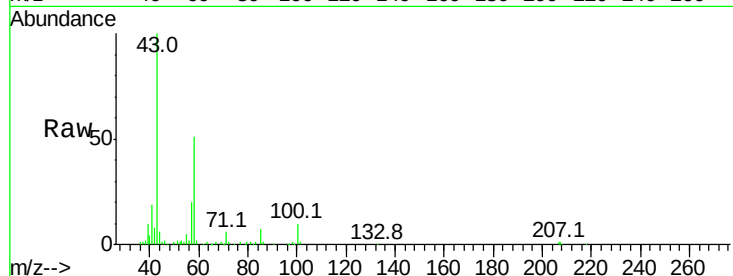




#49
2-Hexanone
Concen: 10.733 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

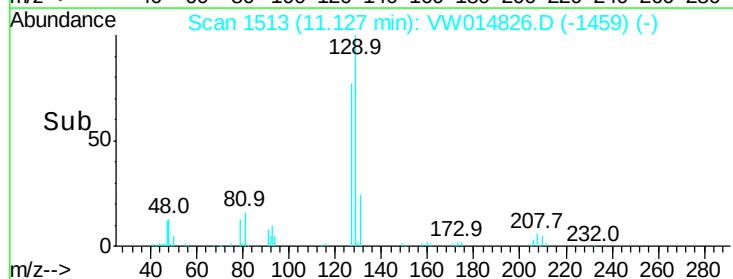
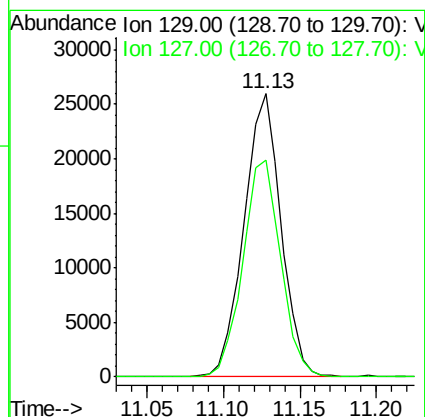
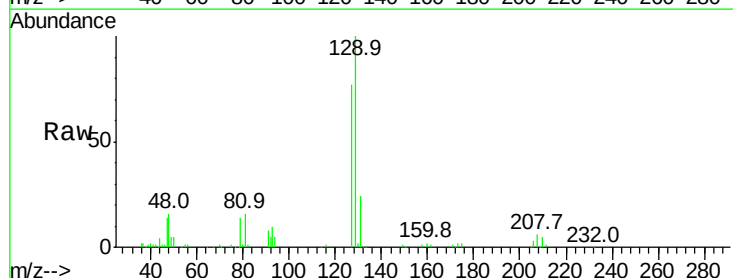
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

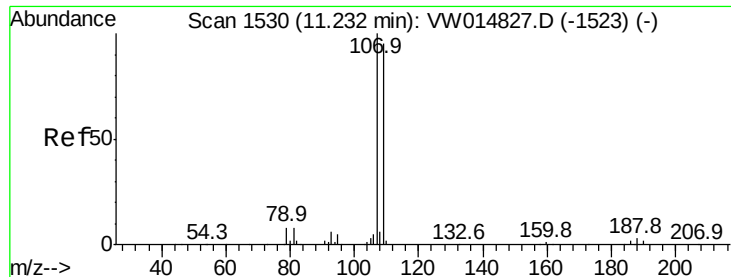
Tgt Ion:	43	Resp:	53545
Ion	Ratio	Lower	Upper
43	100		
58	48.6	41.1	61.7
57	18.9	14.1	21.1
100	10.5	8.1	12.1



#50
Dibromochloromethane
Concen: 5.320 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

Tgt Ion:	129	Resp:	43727
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.2	100.6

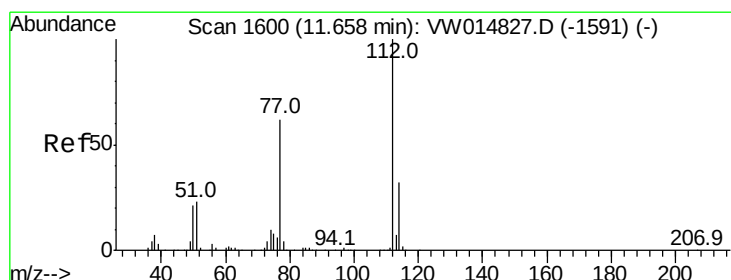
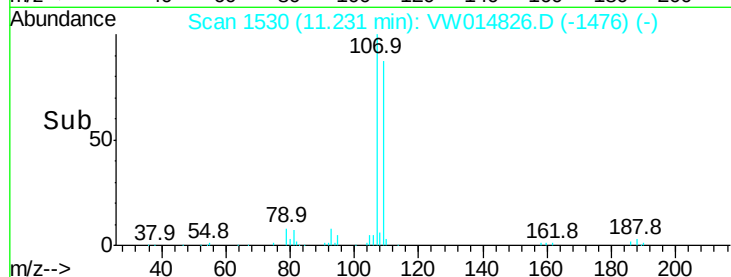
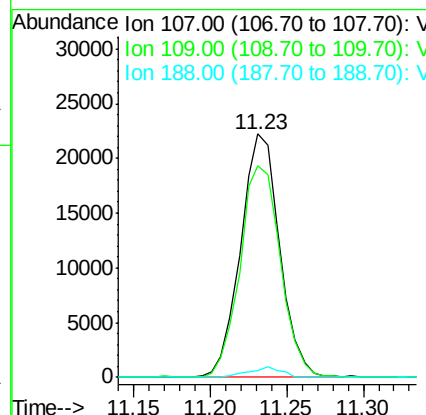
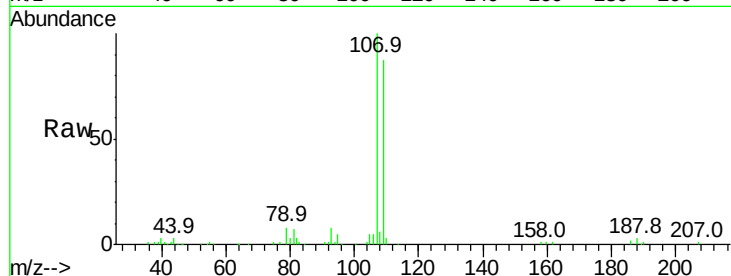




#51
 1,2-Dibromoethane
 Concen: 5.680 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014826.D
 Acq: 03 Feb 2020 10:28

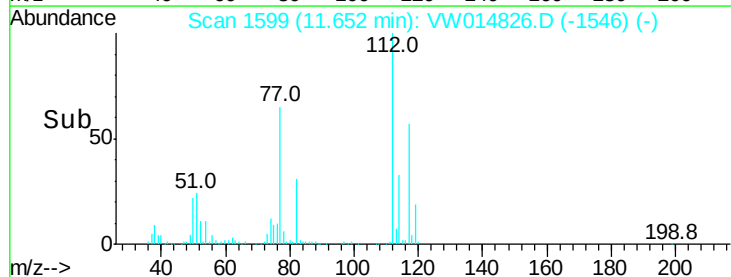
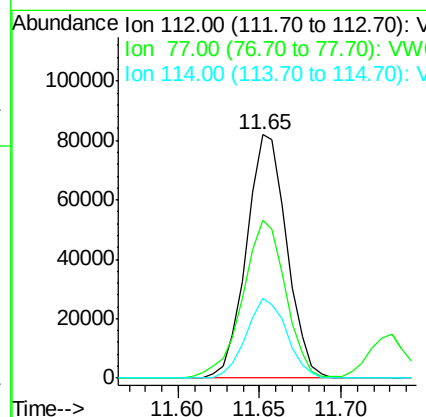
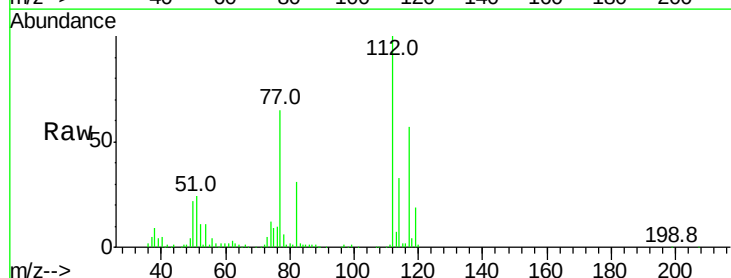
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

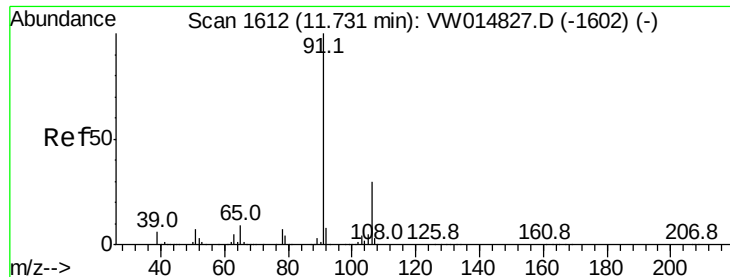
Tgt Ion:107 Resp: 39359
 Ion Ratio Lower Upper
 107 100
 109 87.2 66.6 123.8
 188 2.9 2.5 3.7



#52
 Chlorobenzene
 Concen: 5.351 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014826.D
 Acq: 03 Feb 2020 10:28

Tgt Ion:112 Resp: 141312
 Ion Ratio Lower Upper
 112 100
 77 65.1 49.8 74.8
 114 32.9 22.1 41.1





#53

Ethylbenzene

Concen: 5.187 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

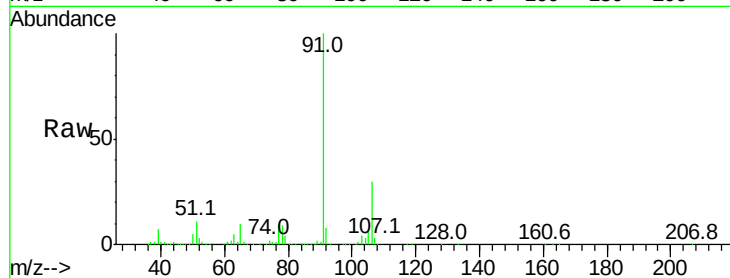
VSTD00506

Tgt Ion: 91 Resp: 239760

Ion Ratio Lower Upper

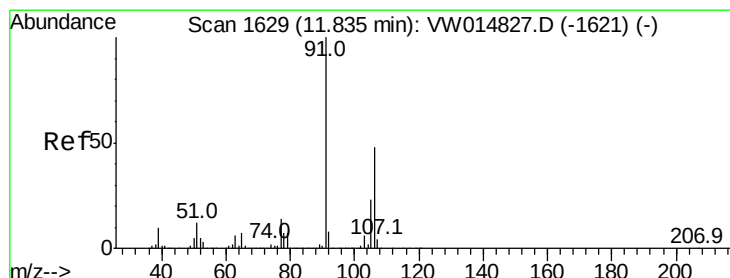
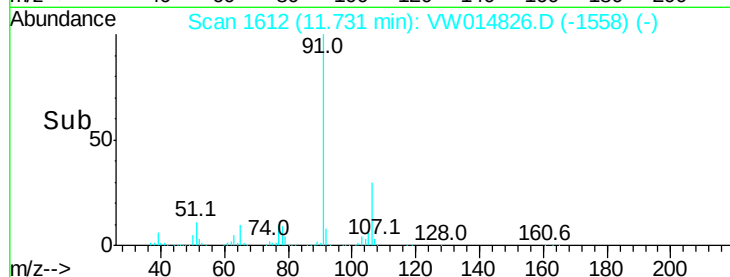
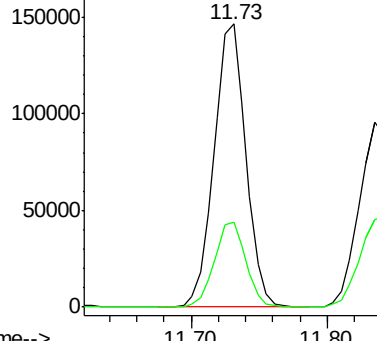
91 100

106 30.2 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 5.026 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014826.D

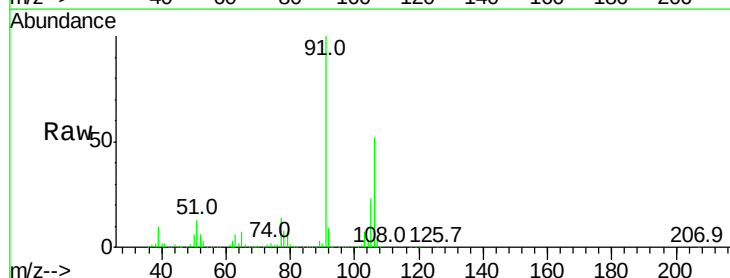
Acq: 03 Feb 2020 10:28

Tgt Ion: 106 Resp: 86837

Ion Ratio Lower Upper

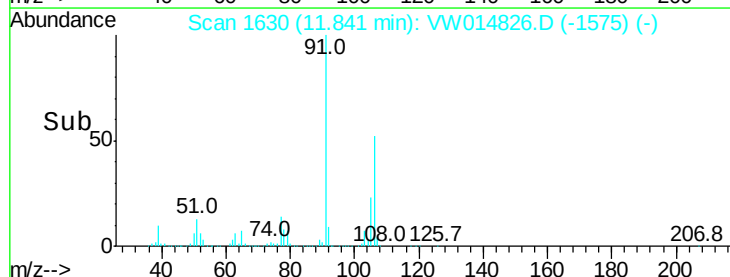
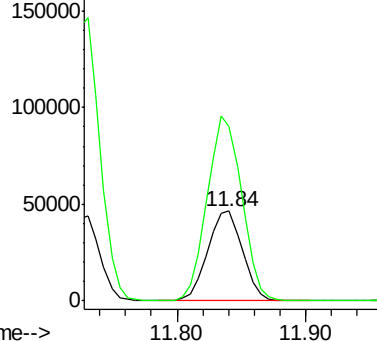
106 100

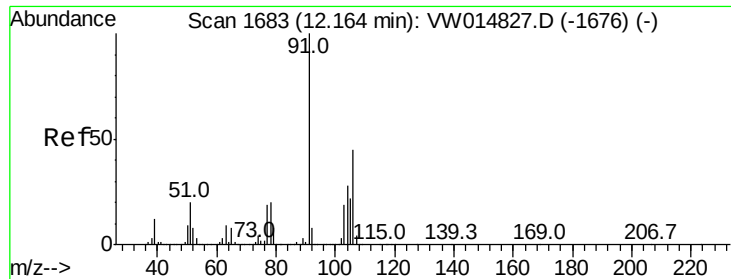
91 193.5 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

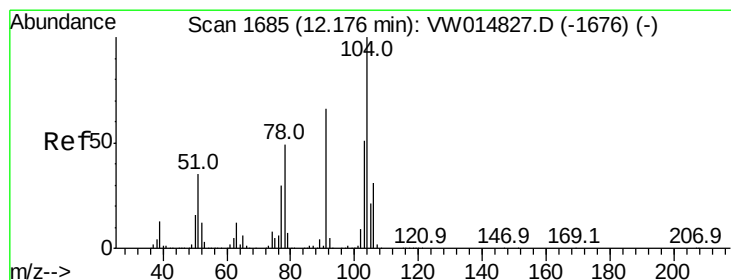
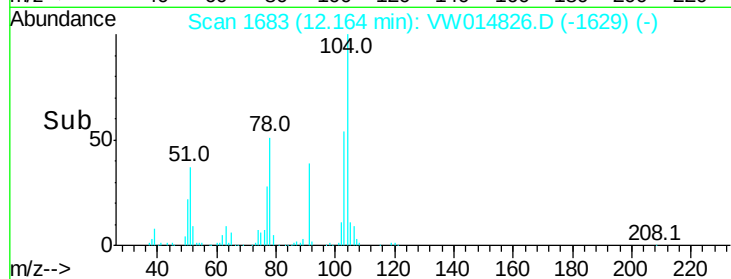
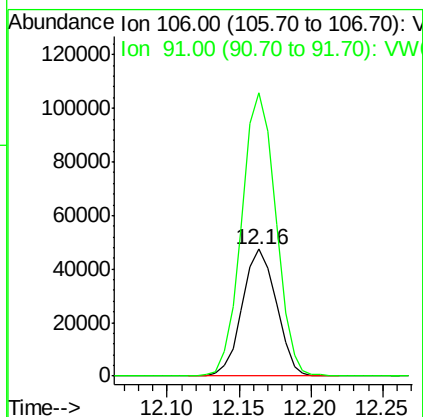
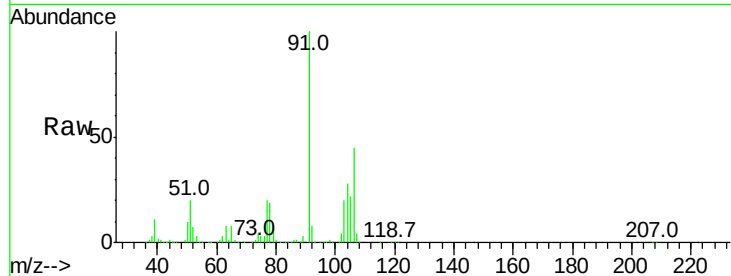




#55
o-xylene
Concen: 4.824 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

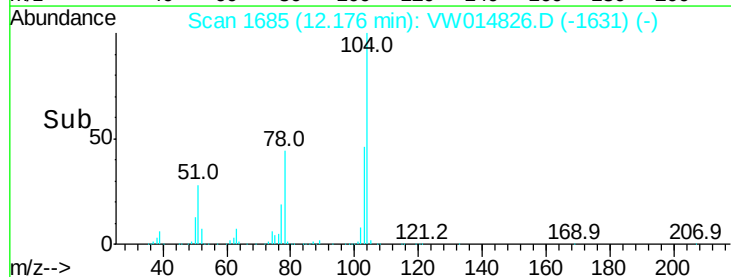
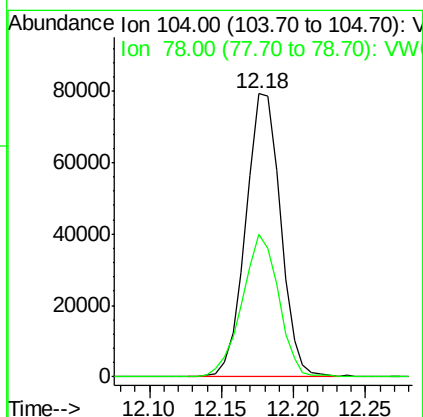
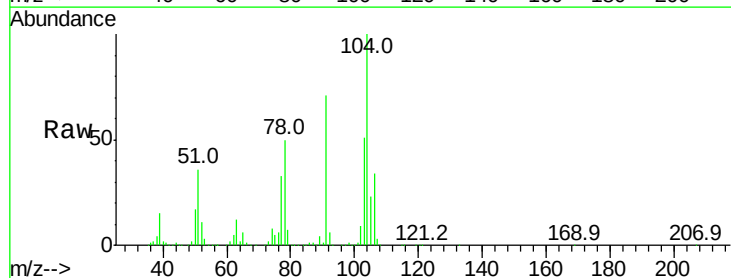
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

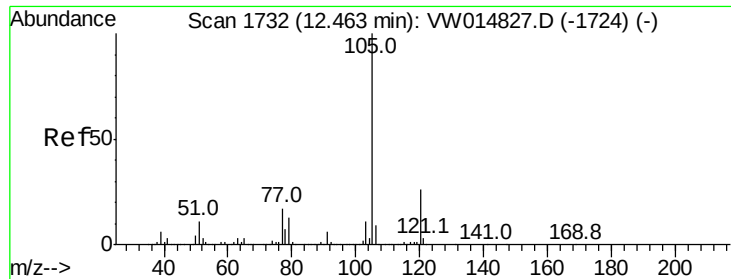
Tgt Ion:106 Resp: 78210
Ion Ratio Lower Upper
106 100
91 223.3 154.6 287.0



#56
Styrene
Concen: 4.828 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014826.D
Acq: 03 Feb 2020 10:28

Tgt Ion:104 Resp: 132749
Ion Ratio Lower Upper
104 100
78 50.2 34.3 63.7





#57

Isopropylbenzene

Concen: 4.861 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

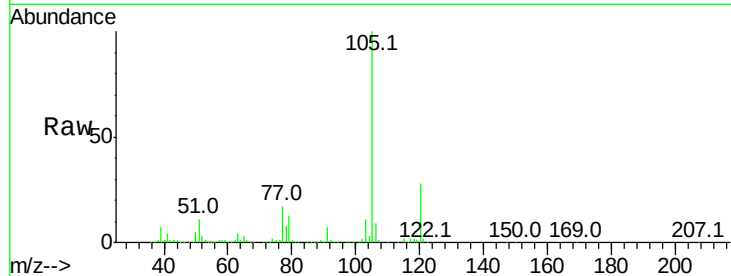
Tgt Ion:105 Resp: 213441

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

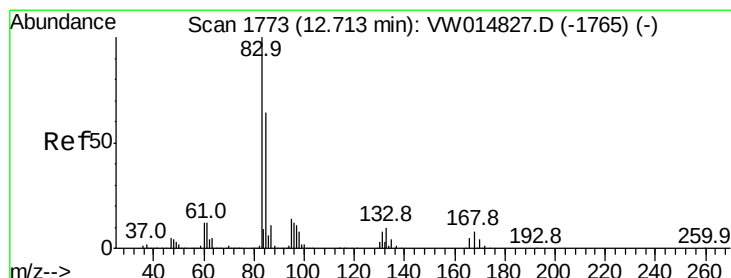
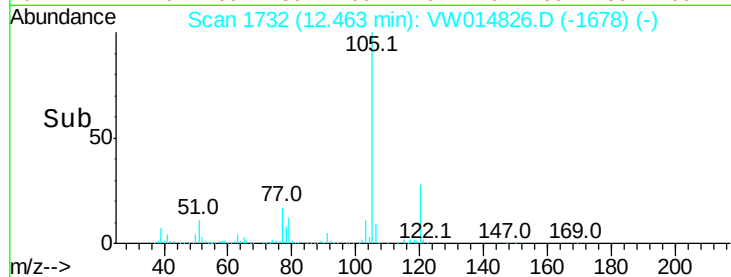
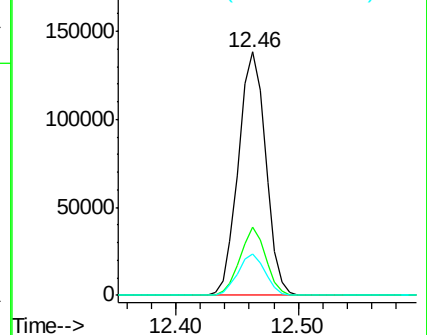
77 16.7 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.800 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

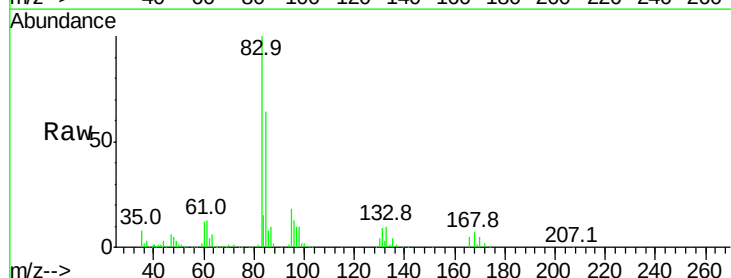
Tgt Ion: 83 Resp: 53831

Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

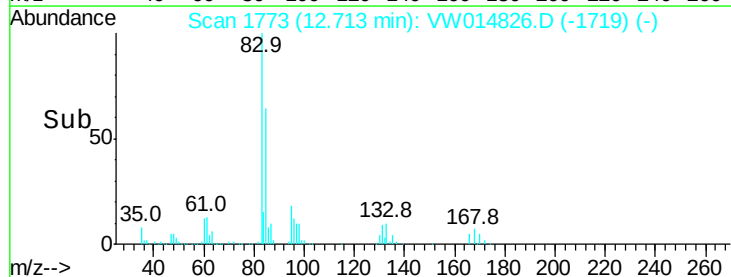
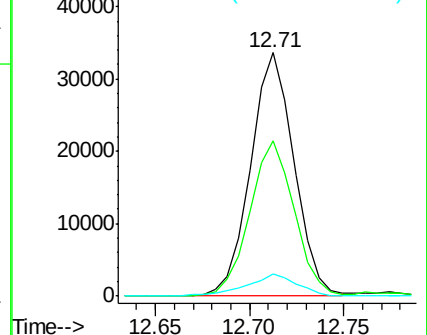
131 9.1 6.9 10.3

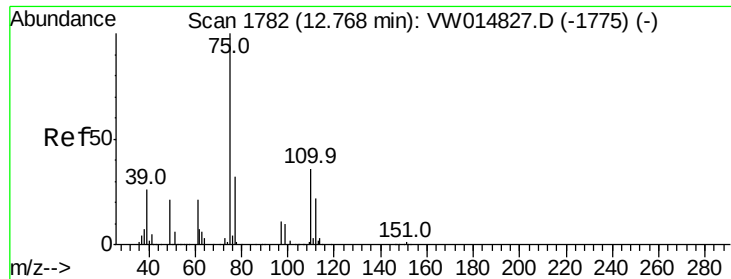


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.970 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

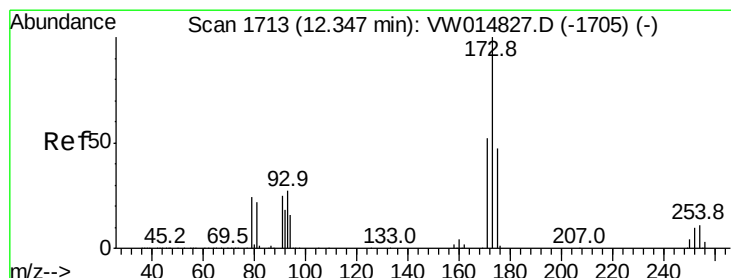
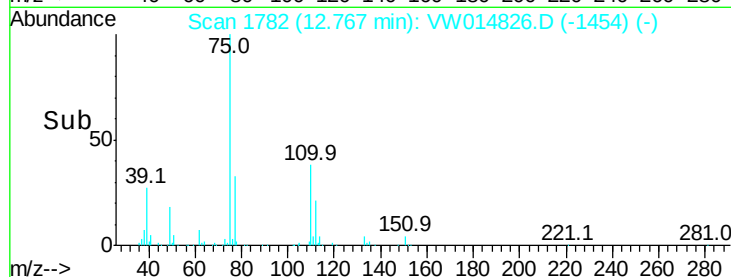
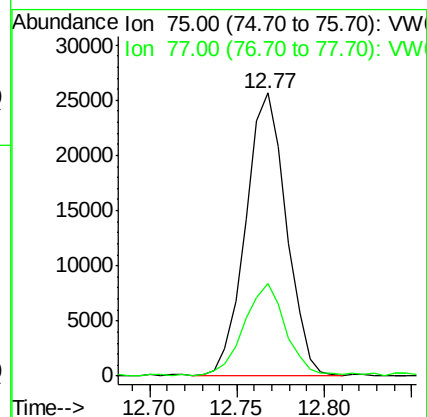
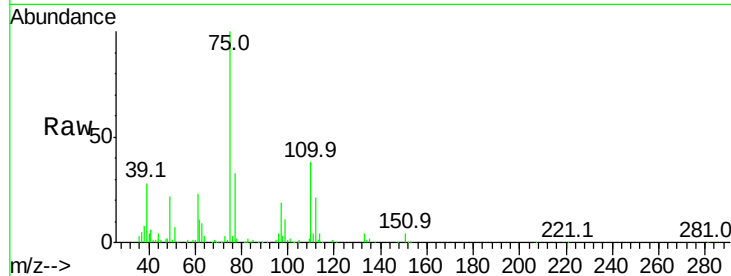
VSTD00506

Tgt Ion: 75 Resp: 41622

Ion Ratio Lower Upper

75 100

77 34.0 25.3 37.9



#62

Bromoform

Concen: 5.410 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

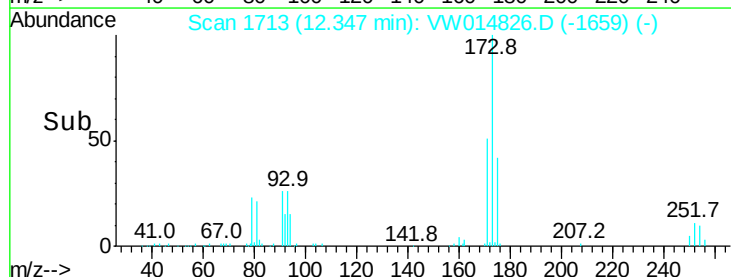
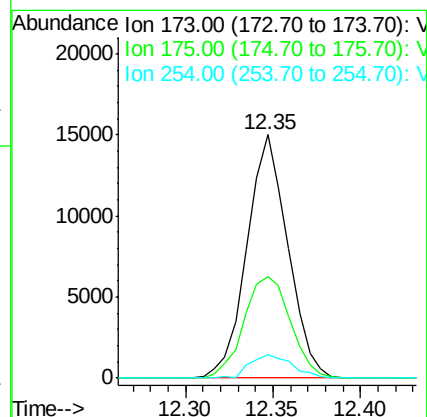
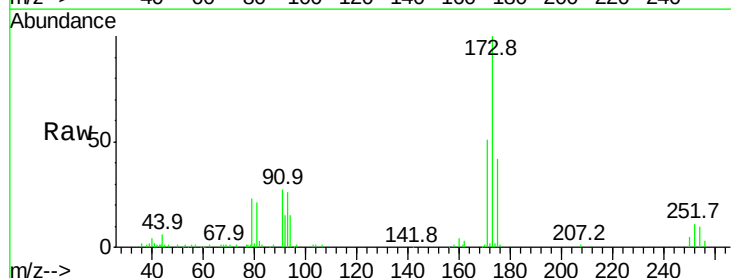
Tgt Ion: 173 Resp: 24376

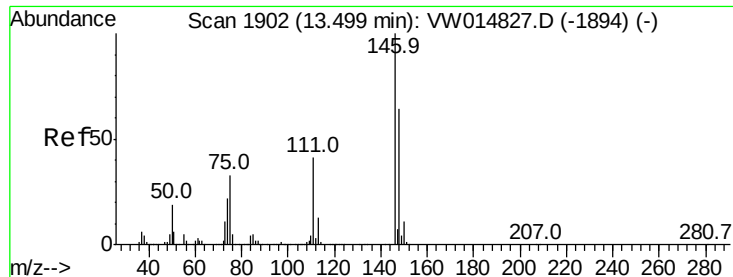
Ion Ratio Lower Upper

173 100

175 47.5 38.2 57.4

254 9.8 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 5.462 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

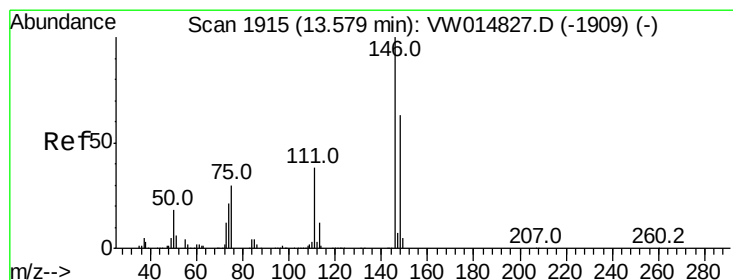
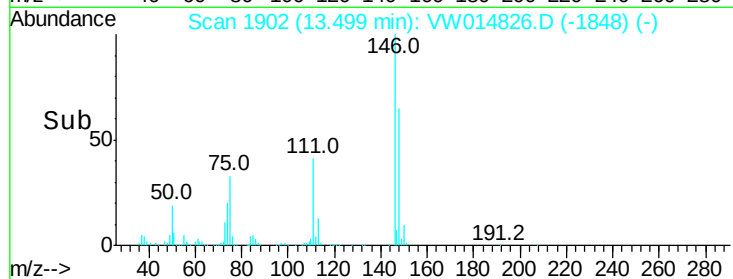
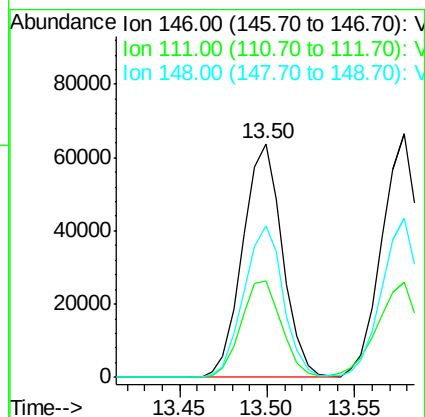
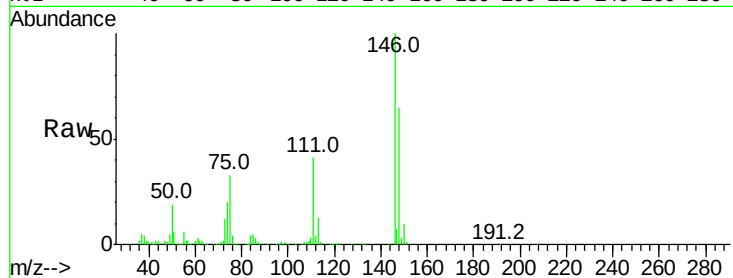
Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

Tgt Ion:	146	Resp:	101236
Ion	Ratio	Lower	Upper
146	100		
111	41.4	28.8	53.4
148	64.6	45.1	83.7



#64

1,4-Dichlorobenzene

Concen: 5.446 ug/L

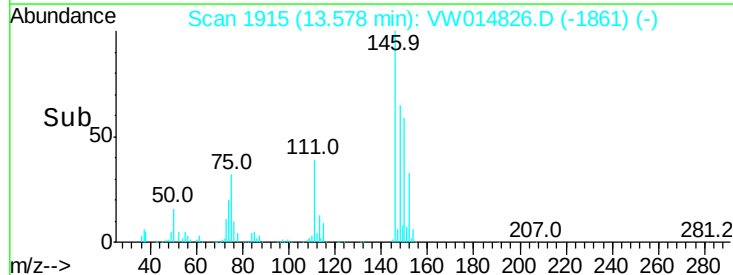
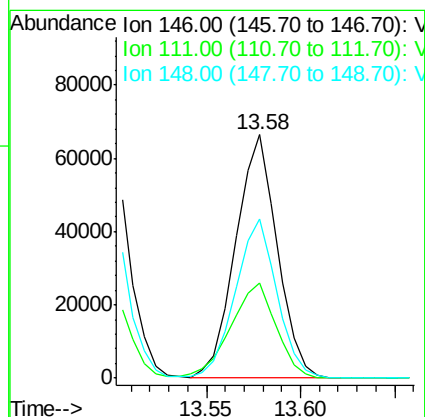
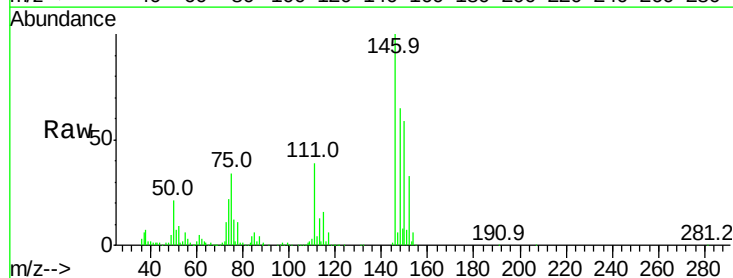
RT: 13.58 min Scan# 1915

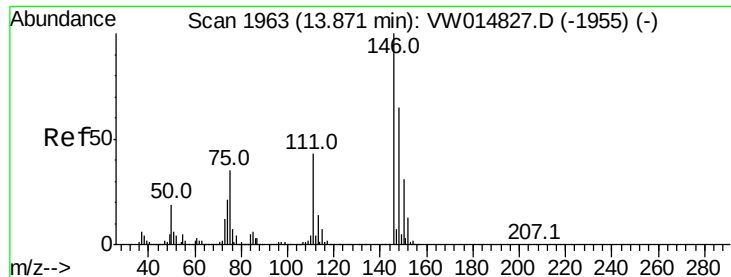
Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Tgt Ion:	146	Resp:	101159
Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.2	50.4
148	65.1	44.2	82.0

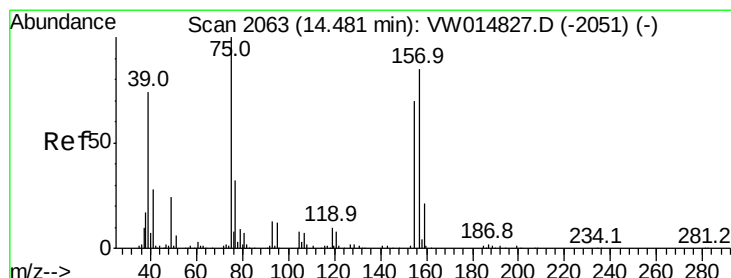
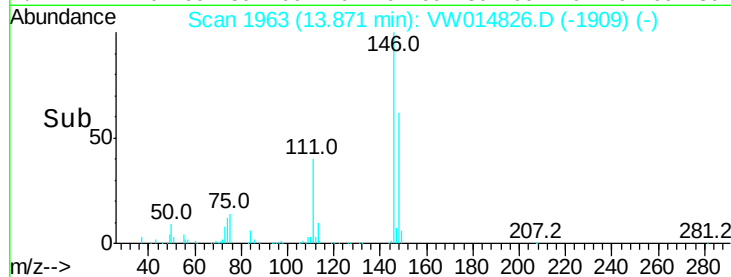
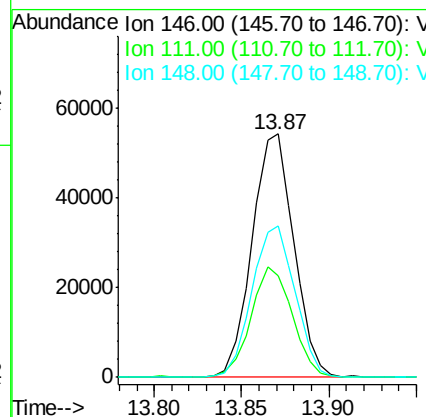
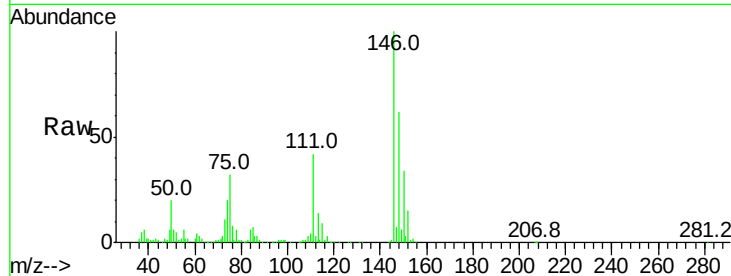




#65
 1,2-Dichlorobenzene
 Concen: 5.356 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014826.D
 Acq: 03 Feb 2020 10:28

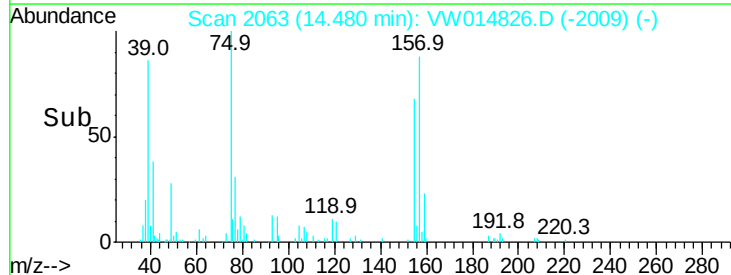
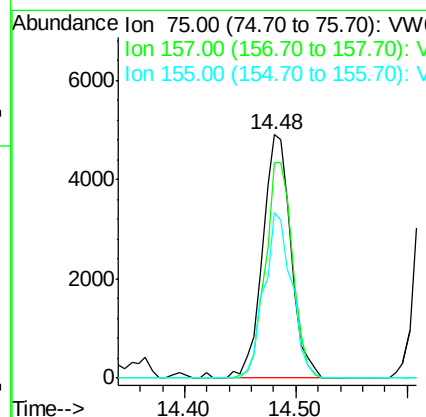
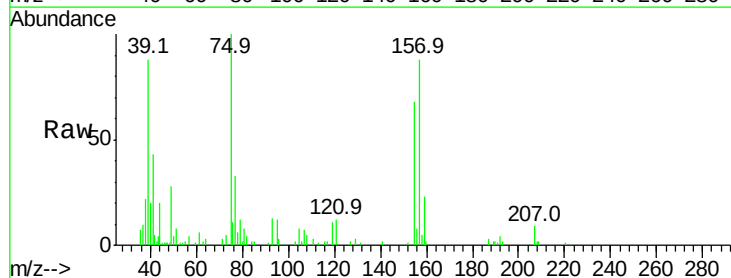
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

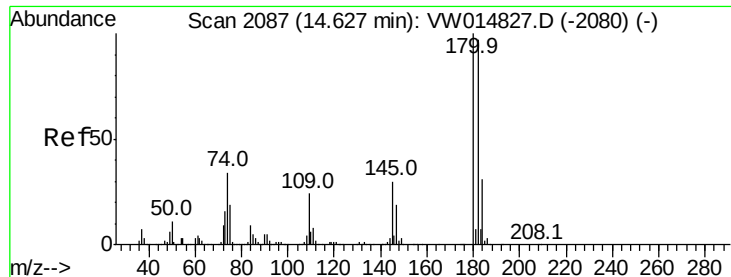
Tgt Ion:146 Resp: 90287
 Ion Ratio Lower Upper
 146 100
 111 41.7 34.3 51.5
 148 62.2 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.315 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014826.D
 Acq: 03 Feb 2020 10:28

Tgt Ion: 75 Resp: 8731
 Ion Ratio Lower Upper
 75 100
 157 88.3 68.2 102.2
 155 67.8 56.0 84.0

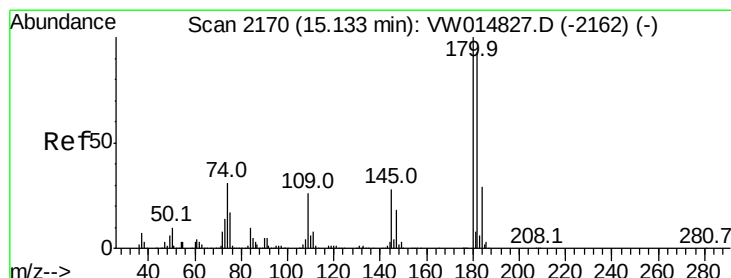
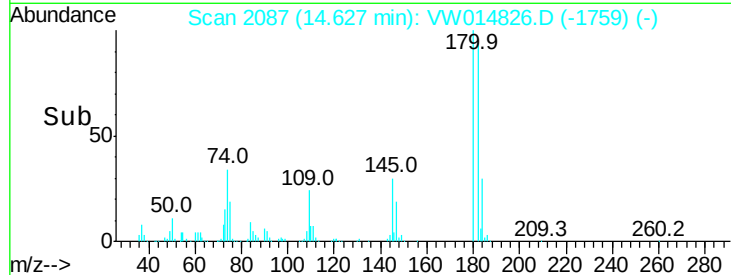
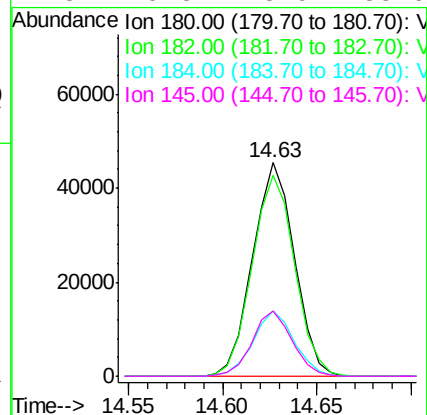
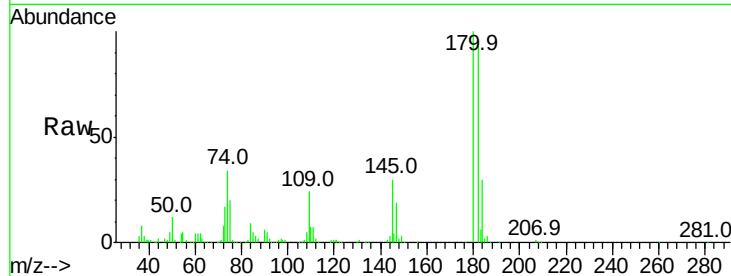




#67
 1,3,5-Trichlorobenzene
 Concen: 5.093 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014826.D
 Acq: 03 Feb 2020 10:28

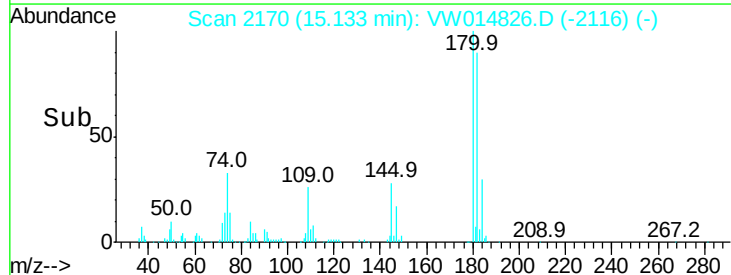
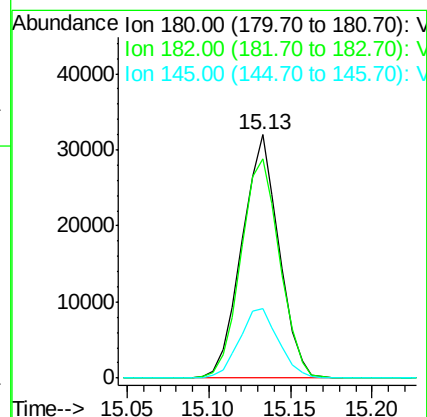
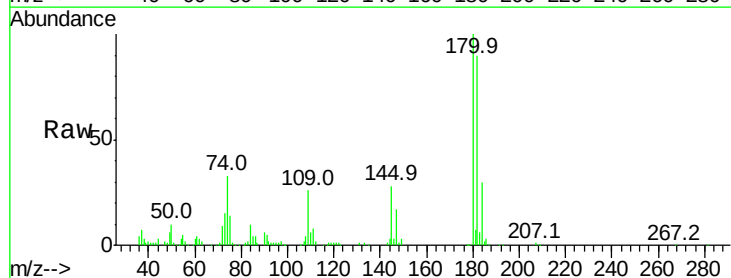
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

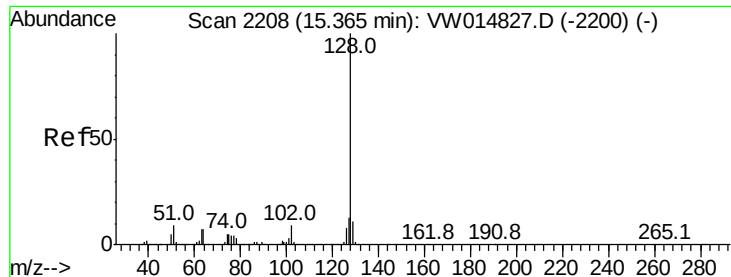
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69905		
182	95.8	76.1	114.1	
184	30.1	24.2	36.2	
145	29.3	23.9	35.9	



#68
 1,2,4-trichlorobenzene
 Concen: 4.983 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014826.D
 Acq: 03 Feb 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50767		
182	94.3	74.7	112.1	
145	30.2	24.1	36.1	





#69

Naphthalene

Concen: 4.867 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

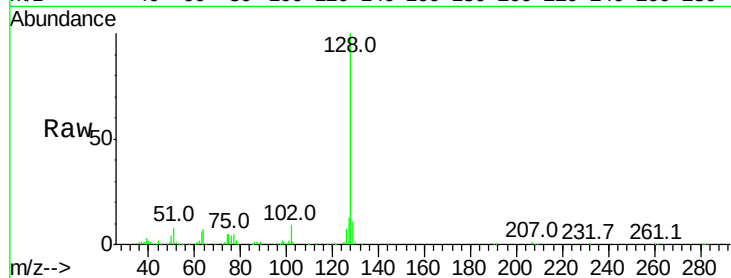
Tgt Ion:128 Resp: 89676

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

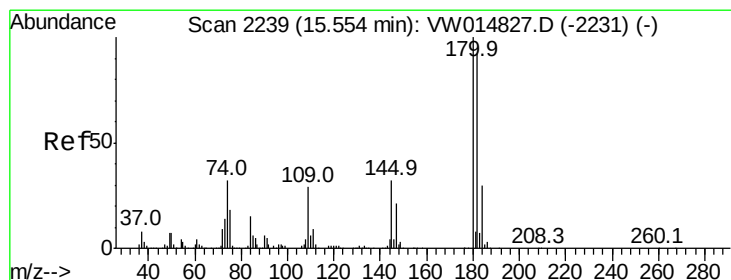
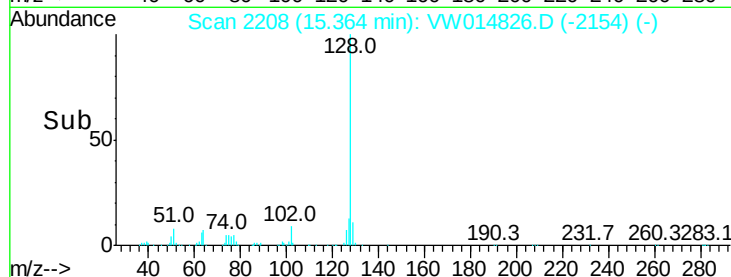
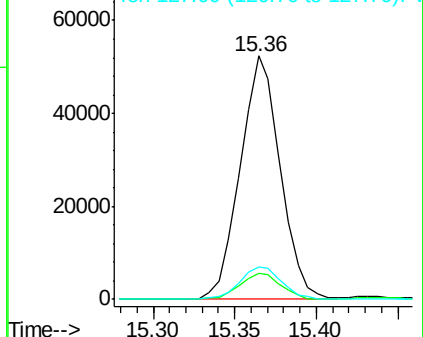
127 14.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.102 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW014826.D

Acq: 03 Feb 2020 10:28

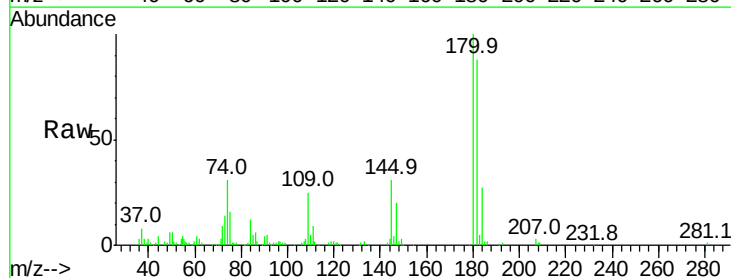
Tgt Ion:180 Resp: 47649

Ion Ratio Lower Upper

180 100

182 91.2 76.4 114.6

145 32.9 25.7 38.5



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

