

Data File : VW014766.D
Acq On : 27 Jan 2020 14:12
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Jan 27 15:25:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 13:46:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	923213	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	840581	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	403583	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	76732	5.50	ug/L	0.00
7) Chloroethane-d5	2.89	69	62827	5.48	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	131460	5.21	ug/L	0.00
20) 2-Butanone-d5	7.07	46	41214	13.21	ug/L	0.00
24) Chloroform-d	7.65	84	124533	5.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	69727	6.01	ug/L	0.00
29) Benzene-d6	8.27	84	257376	5.43	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	78041	5.35	ug/L	0.00
37) Toluene-d8	10.32	98	224222	5.42	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	31774	5.65	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	29306	11.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	64273	6.23	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	75662	5.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	58316	5.341 ug/L	90
3) Chloromethane	2.21	50	75129	6.147 ug/L	95
5) Vinyl chloride	2.36	62	101763	5.607 ug/L	99
6) Bromomethane	2.78	94	52168	5.411 ug/L	99
8) Chloroethane	2.92	64	56490	5.628 ug/L	95
9) Trichlorofluoromethane	3.25	101	45286	5.117 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	68216	5.279 ug/L	97
12) 1,1-Dichloroethene	4.04	96	65103	5.140 ug/L	94
13) Acetone	4.12	43	41682	10.382 ug/L	99
14) Carbon disulfide	4.38	76	217515	5.325 ug/L	97
15) Methyl Acetate	4.67	43	36396	5.866 ug/L	96
16) Methylene chloride	4.92	84	88583	6.494 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	85388	5.440 ug/L	# 87
18) trans-1,2-Dichloroethene	5.42	96	66706	5.269 ug/L	93
19) 1,1-Dichloroethane	6.21	63	129613	5.546 ug/L	100
21) 2-Butanone	7.17	43	52150	12.062 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	69018	5.219 ug/L	92
23) Bromochloromethane	7.51	128	30491	5.307 ug/L	95
25) Chloroform	7.67	83	120059	5.288 ug/L	99
27) 1,2-Dichloroethane	8.40	62	79519	5.288 ug/L	98
30) Cyclohexane	7.95	56	111174	4.701 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	96196	5.058 ug/L	98
32) Carbon tetrachloride	8.07	117	88839	4.989 ug/L	100
34) Benzene	8.32	78	285473	5.150 ug/L	100
35) Trichloroethene	9.09	95	69892	4.863 ug/L	97
36) Methylcyclohexane	9.33	83	121858	5.075 ug/L	99
40) 1,2-Dichloropropane	9.37	63	71830	5.163 ug/L	99
41) Bromodichloromethane	9.64	83	83798	5.025 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	97882	4.891 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	92312	11.345 ug/L	100

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Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Jan 27 15:25:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 13:46:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	283827	5.199	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	79952	5.022	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	49712	5.372	ug/L	98
47) Tetrachloroethene	10.86	164	57822	5.233	ug/L	97
49) 2-Hexanone	10.96	43	67320	11.468	ug/L	94
50) Dibromochloromethane	11.13	129	54068	5.123	ug/L	91
51) 1,2-Dibromoethane	11.23	107	47775	5.537	ug/L	96
52) Chlorobenzene	11.65	112	179290	5.234	ug/L	99
53) Ethylbenzene	11.73	91	308553	5.158	ug/L	96
54) m,p-Xylene	11.84	106	113245	5.047	ug/L	93
55) o-xylene	12.16	106	103839	4.927	ug/L	98
56) Styrene	12.18	104	180713	5.077	ug/L	100
57) Isopropylbenzene	12.46	105	288884	5.085	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	63841	5.716	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	50027	5.984	ug/L	98
62) Bromoform	12.35	173	31558	5.119	ug/L	100
63) 1,3-Dichlorobenzene	13.49	146	134830	5.202	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	136464	5.208	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	125749	5.365	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	10881	6.173	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	98012	5.231	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	66747	4.725	ug/L	99
69) Naphthalene	15.36	128	111763	4.460	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	62915	4.894	ug/L	99

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

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Acq On : 27 Jan 2020 14:12

Operator : SY/VA

Sample : VSTD005

Misc : 5.00G/10ML/MSVOA_W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

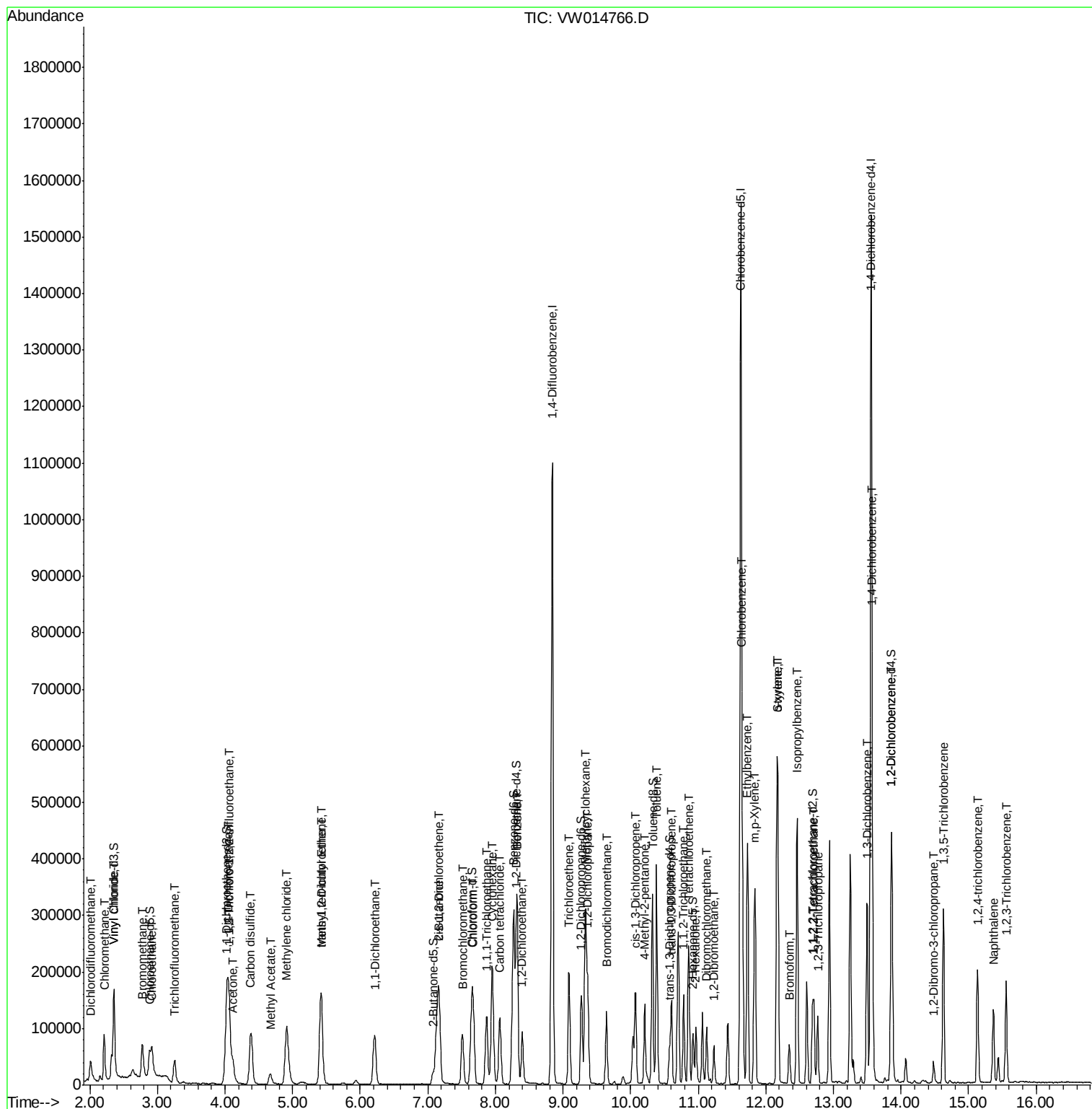
Quant Time: Jan 27 15:25:16 2020

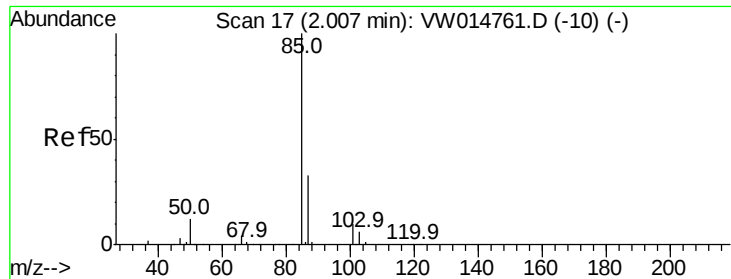
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M

Quant Title : VOC Analysis

QLast Update : Mon Jan 27 13:46:01 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.341 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

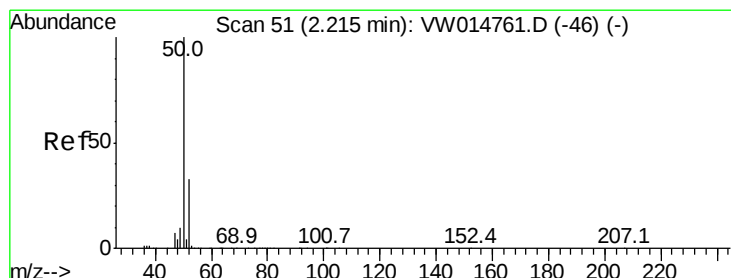
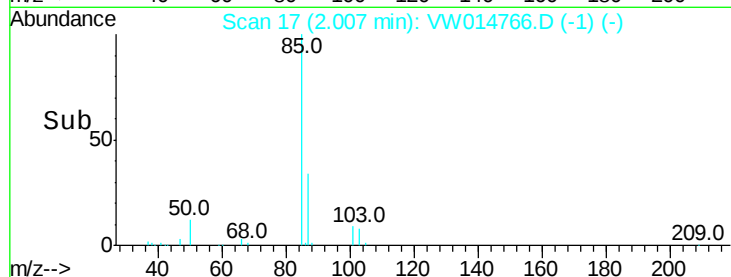
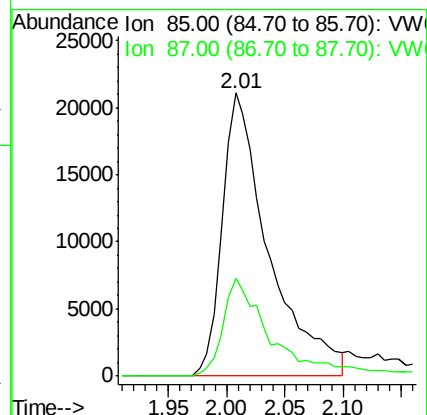
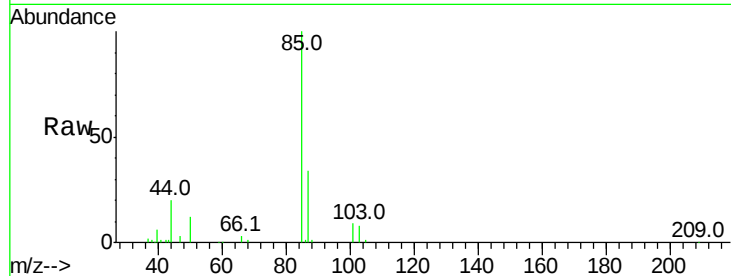
VSTD00504

Tgt Ion: 85 Resp: 58316

Ion Ratio Lower Upper

85 100

87 25.6 22.0 40.8



#3

Chloromethane

Concen: 6.147 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014766.D

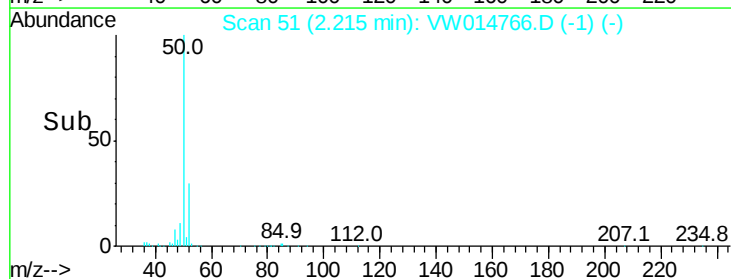
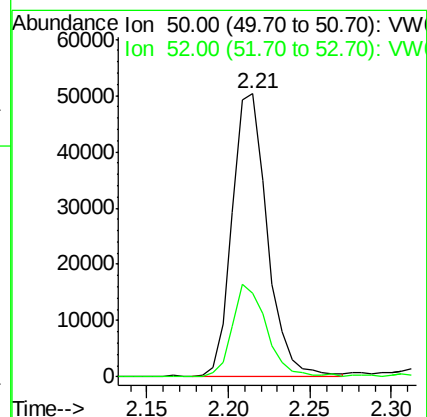
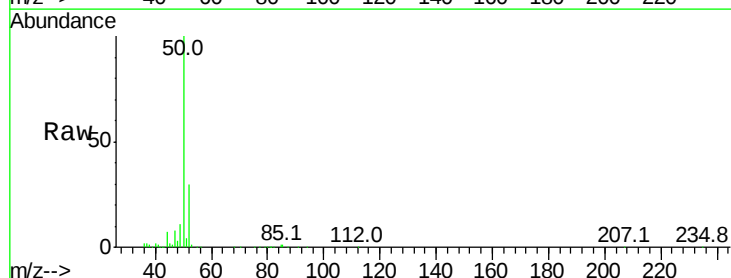
Acq: 27 Jan 2020 14:12

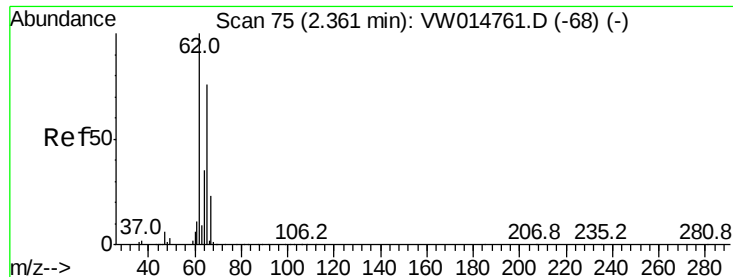
Tgt Ion: 50 Resp: 75129

Ion Ratio Lower Upper

50 100

52 29.8 22.9 42.5





#5

Vinyl chloride

Concen: 5.607 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

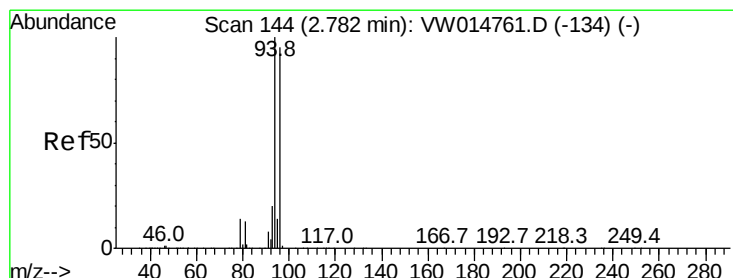
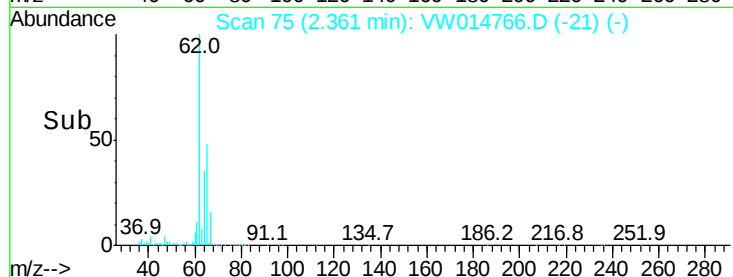
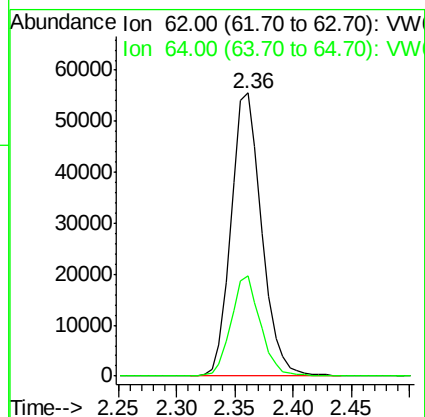
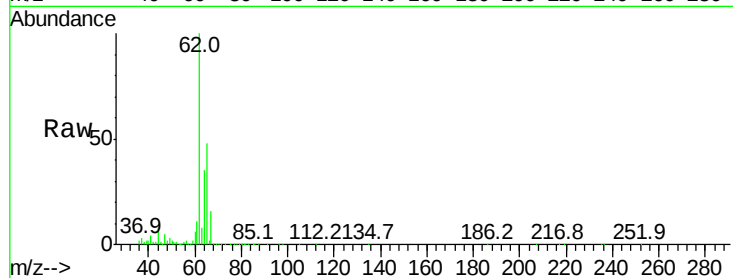
VSTD00504

Tgt Ion: 62 Resp: 101763

Ion Ratio Lower Upper

62 100

64 35.3 24.3 45.1



#6

Bromomethane

Concen: 5.411 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014766.D

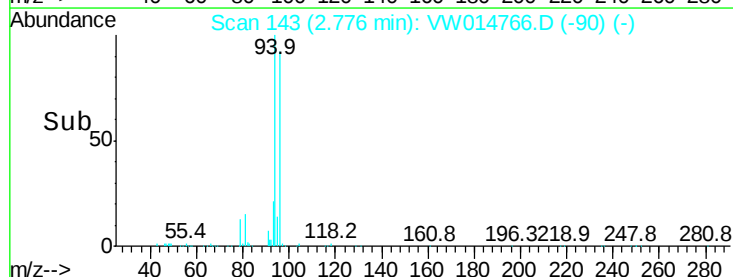
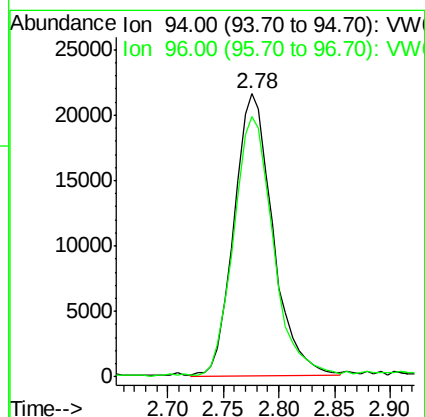
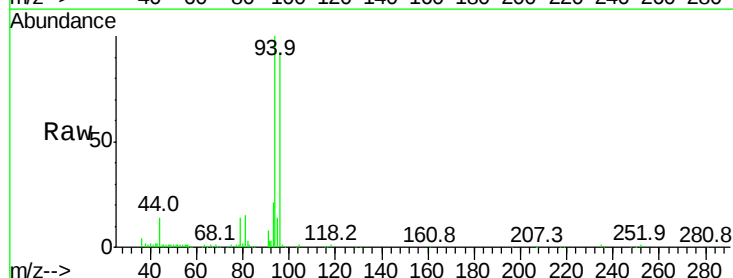
Acq: 27 Jan 2020 14:12

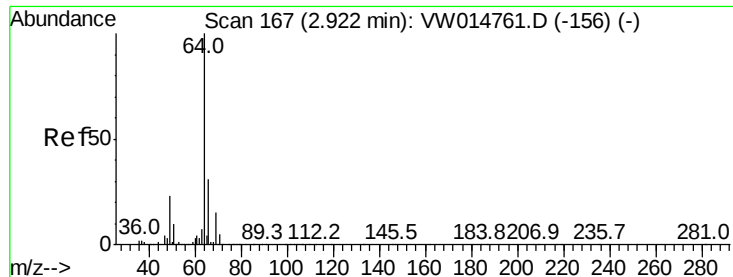
Tgt Ion: 94 Resp: 52168

Ion Ratio Lower Upper

94 100

96 93.0 9.3 177.7





#8

Chloroethane

Concen: 5.628 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

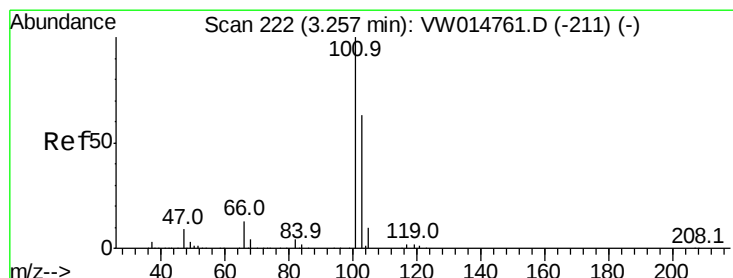
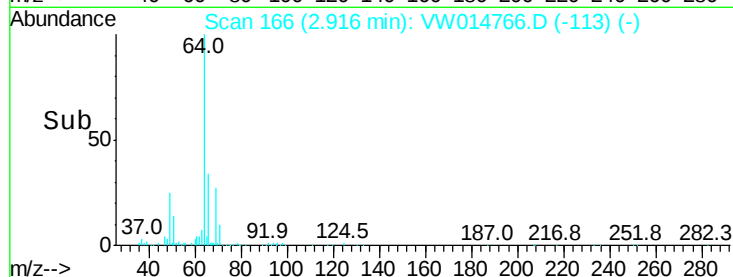
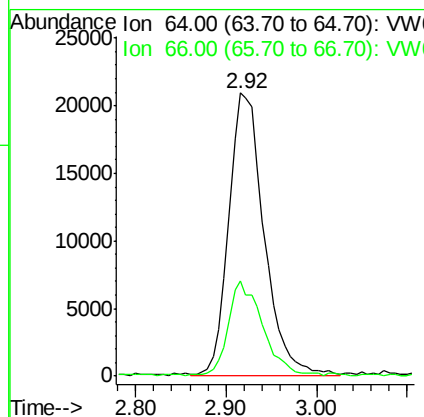
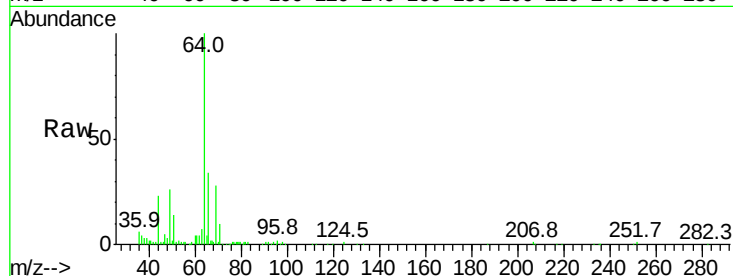
VSTD00504

Tgt Ion: 64 Resp: 56490

Ion Ratio Lower Upper

64 100

66 33.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 5.117 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014766.D

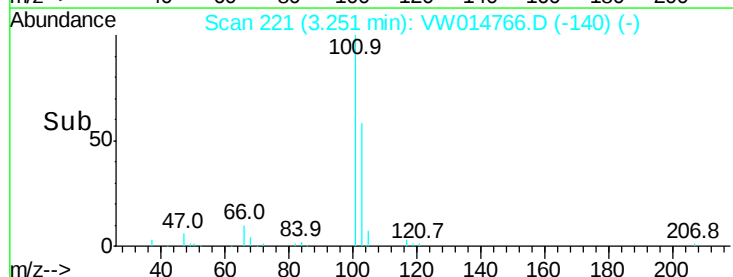
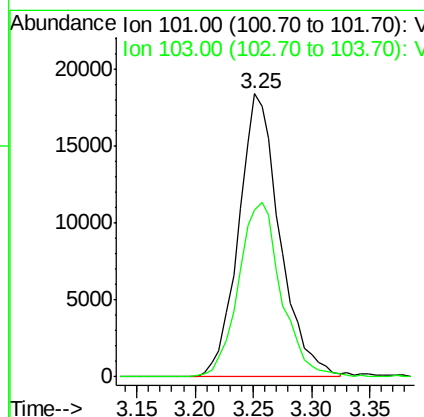
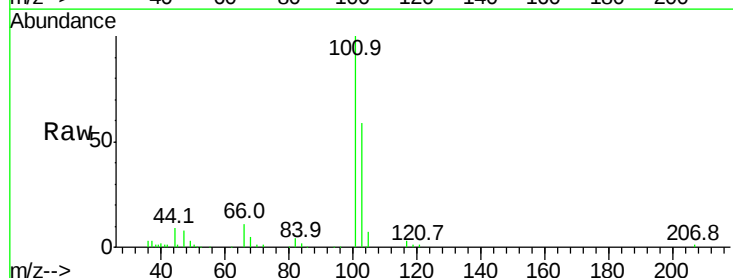
Acq: 27 Jan 2020 14:12

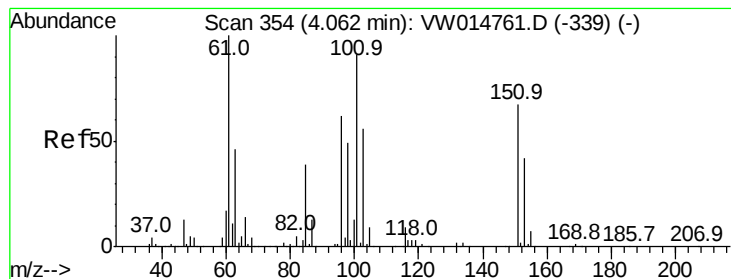
Tgt Ion: 101 Resp: 45286

Ion Ratio Lower Upper

101 100

103 63.6 45.1 83.9





#11

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

Concen: 5.279 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

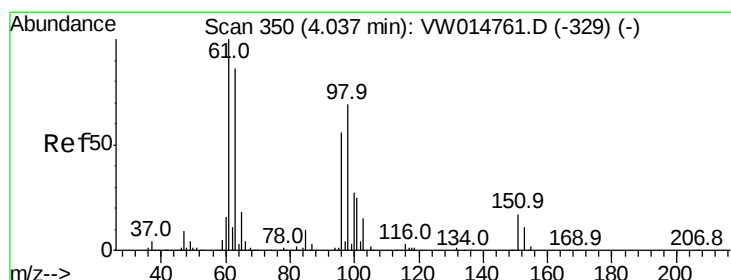
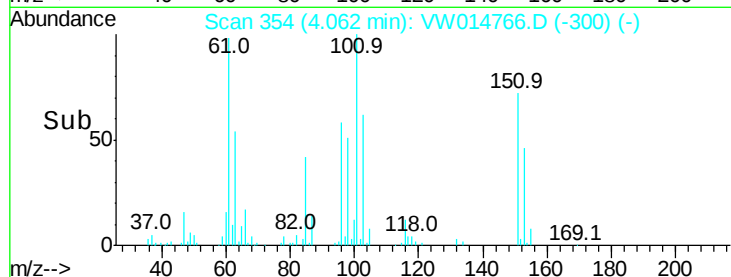
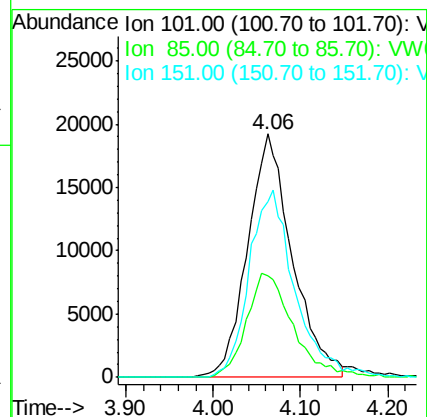
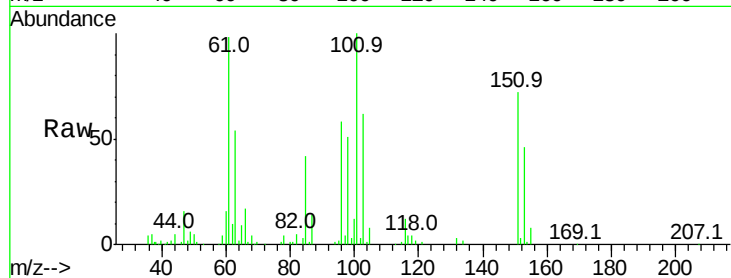
Tgt Ion:101 Resp: 68216

Ion Ratio Lower Upper

101 100

85 43.4 33.8 50.6

151 77.2 59.7 89.5



#12

1,1-Dichloroethene

Concen: 5.140 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

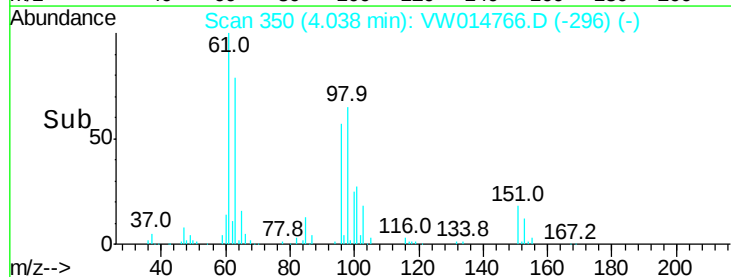
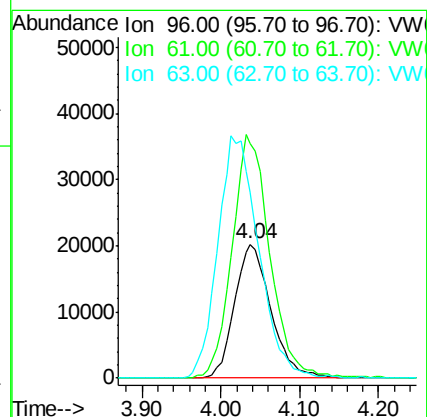
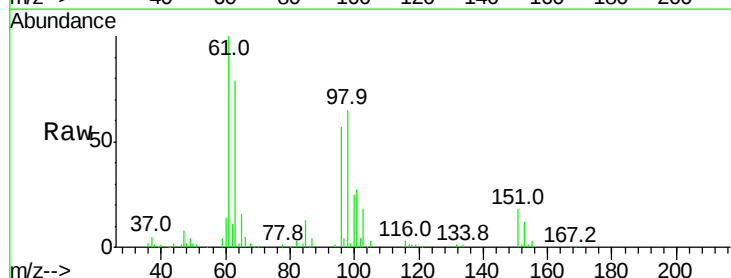
Tgt Ion: 96 Resp: 65103

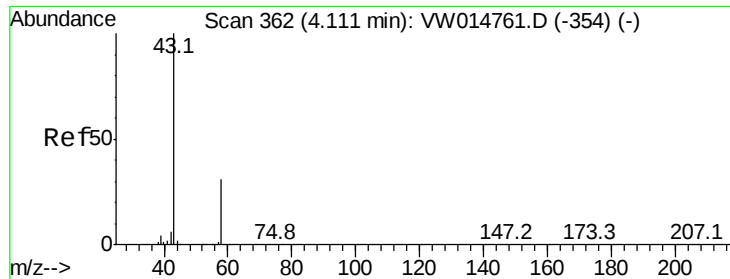
Ion Ratio Lower Upper

96 100

61 175.7 124.3 230.9

63 138.7 107.0 198.6





#13

Acetone

Concen: 10.382 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

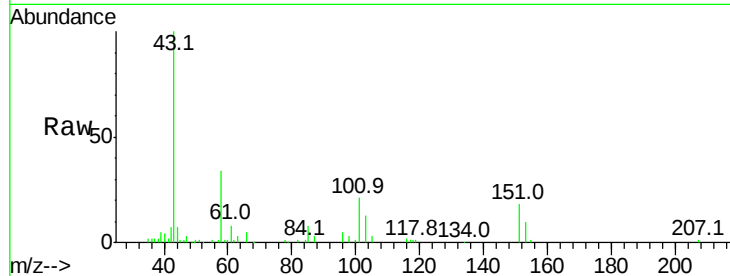
VSTD00504

Tgt Ion: 43 Resp: 41682

Ion Ratio Lower Upper

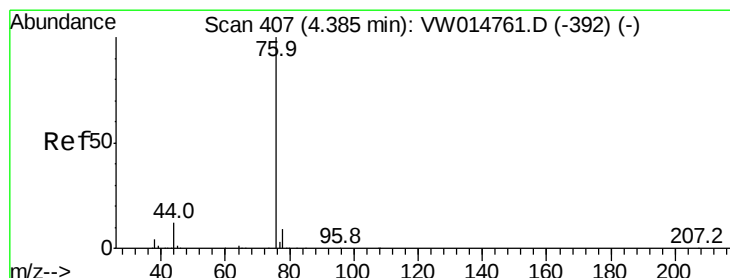
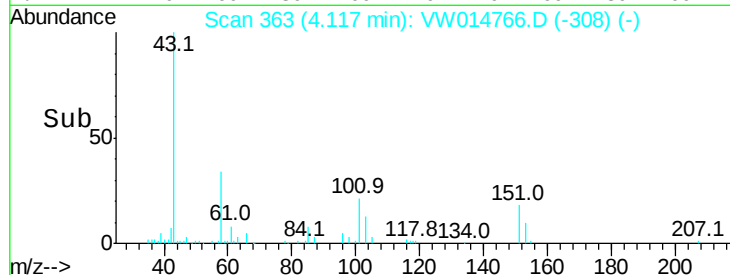
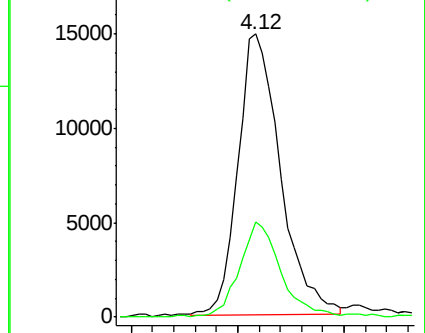
43 100

58 31.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.325 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014766.D

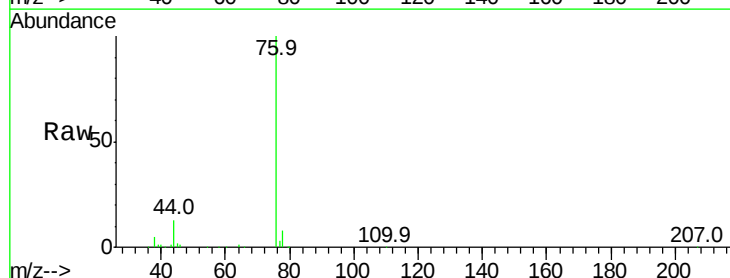
Acq: 27 Jan 2020 14:12

Tgt Ion: 76 Resp: 217515

Ion Ratio Lower Upper

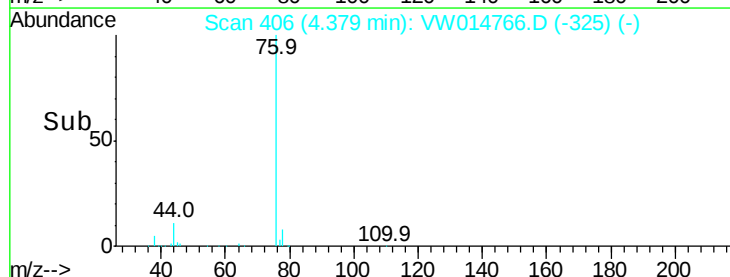
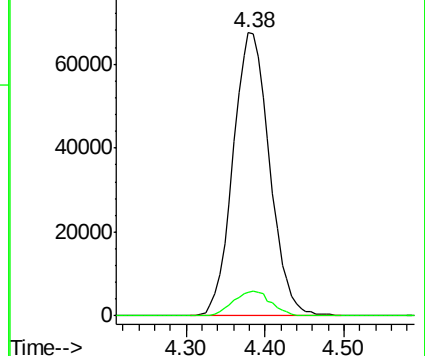
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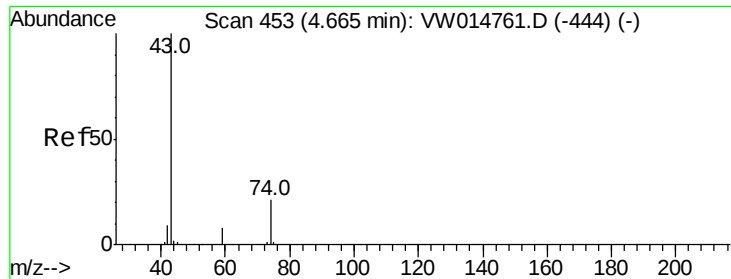
78 8.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

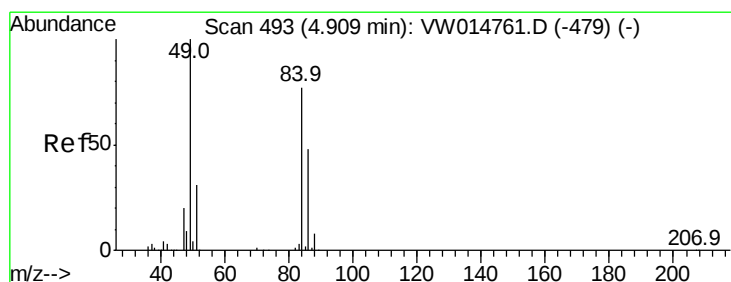
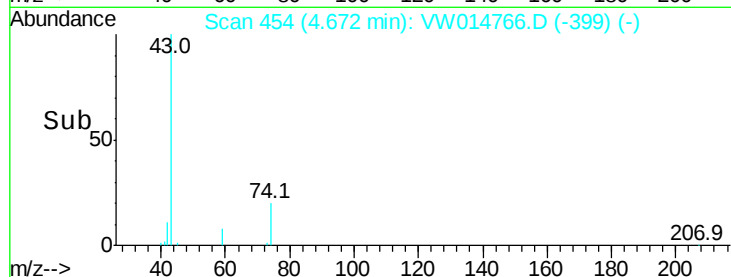
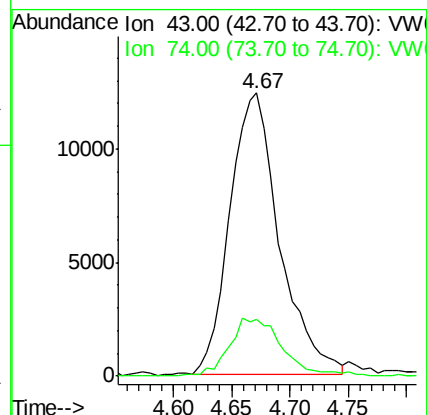
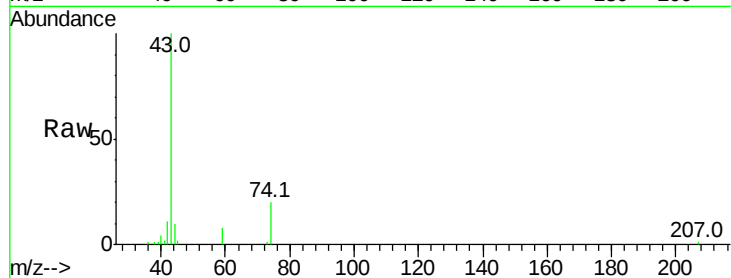




#15
Methyl Acetate
Concen: 5.866 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

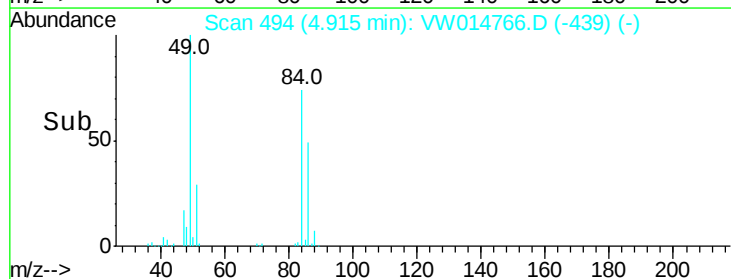
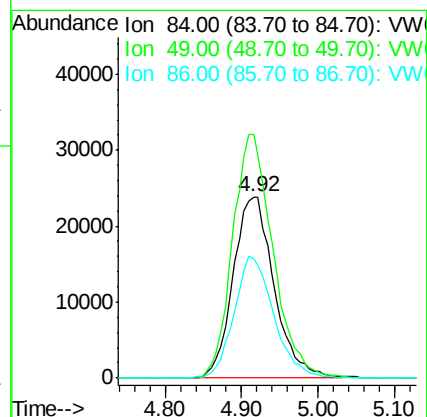
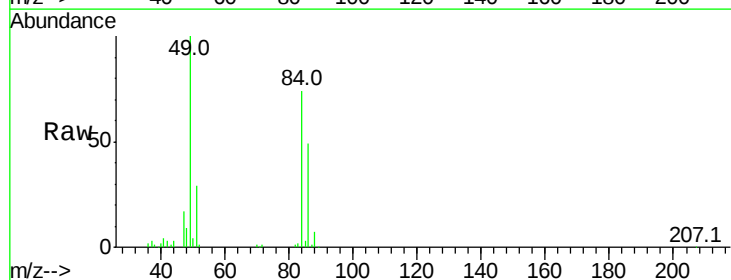
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

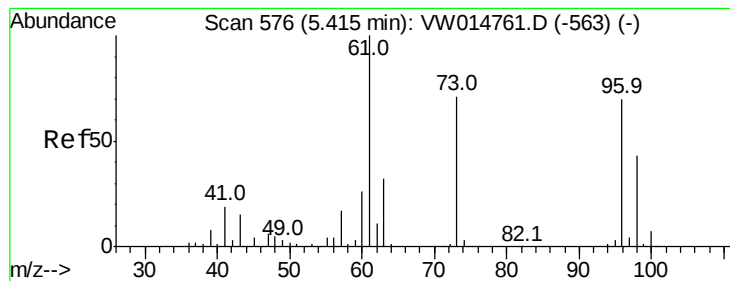
Tgt Ion: 43 Resp: 36396
Ion Ratio Lower Upper
43 100
74 20.4 18.0 27.0



#16
Methylene chloride
Concen: 6.494 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Tgt Ion: 84 Resp: 88583
Ion Ratio Lower Upper
84 100
49 134.3 90.9 168.7
86 65.9 43.5 80.7





#17

Methyl tert-butyl Ether

Concen: 5.440 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

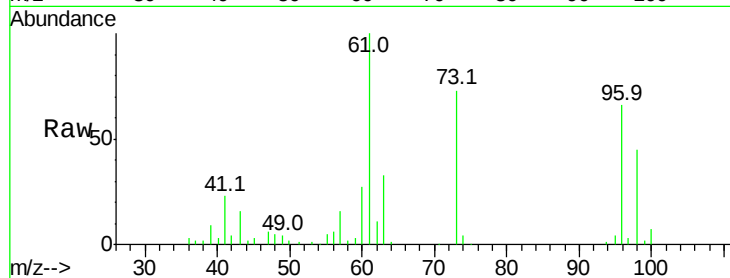
Tgt Ion: 73 Resp: 85388

Ion Ratio Lower Upper

73 100

43 20.8 16.2 24.4

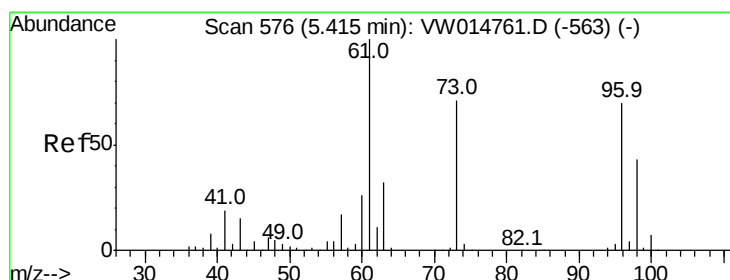
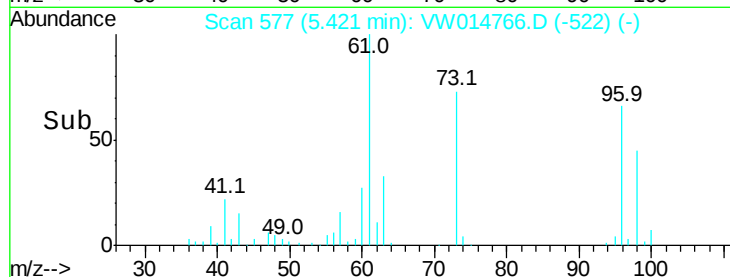
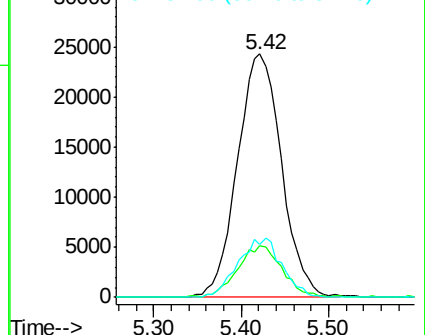
57 12.8 19.1 28.7#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 5.269 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

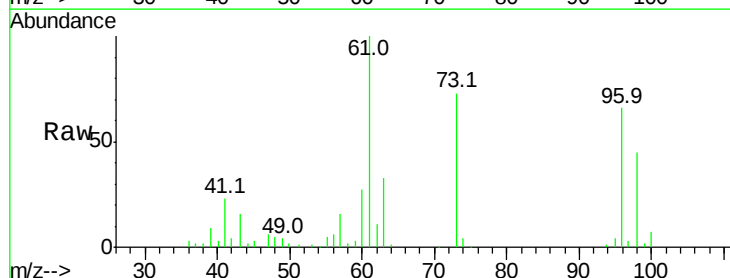
Tgt Ion: 96 Resp: 66706

Ion Ratio Lower Upper

96 100

61 151.4 100.2 186.0

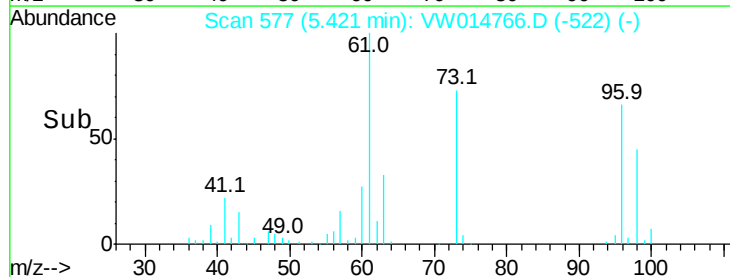
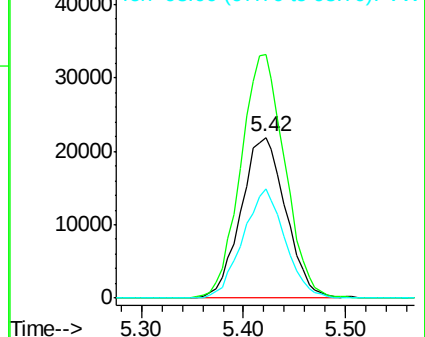
98 68.1 43.1 80.1

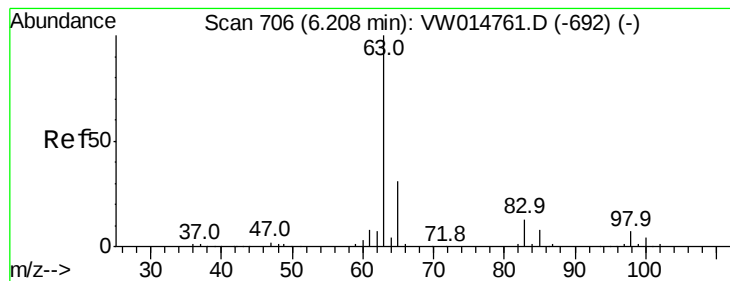


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 5.546 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

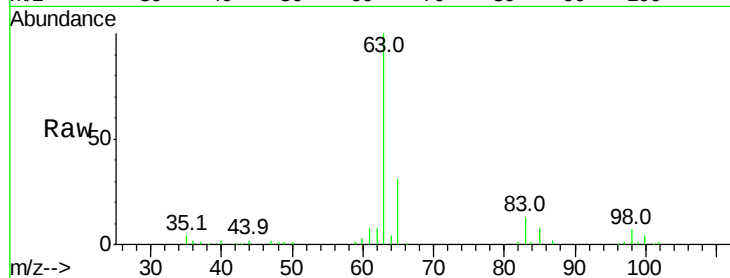
Tgt Ion: 63 Resp: 129613

Ion Ratio Lower Upper

63 100

65 30.9 21.7 40.3

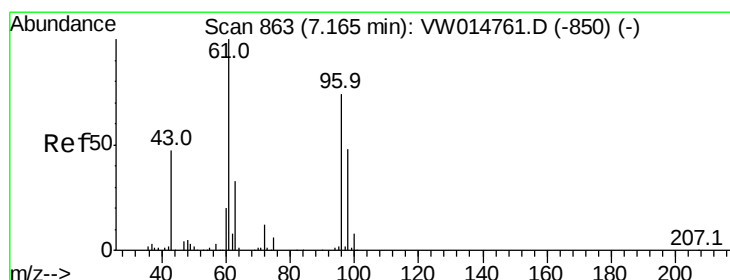
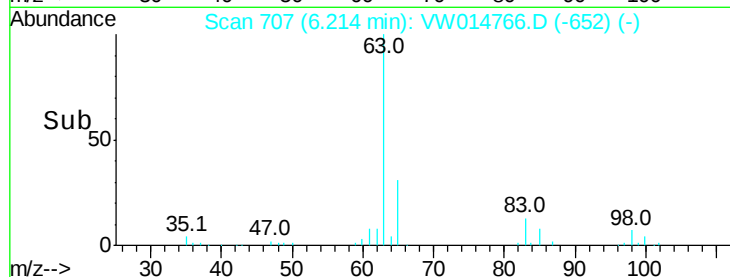
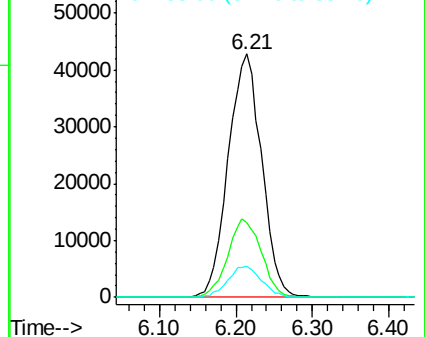
83 12.8 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 12.062 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014766.D

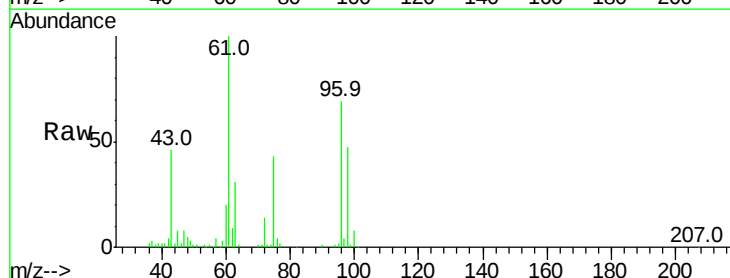
Acq: 27 Jan 2020 14:12

Tgt Ion: 43 Resp: 52150

Ion Ratio Lower Upper

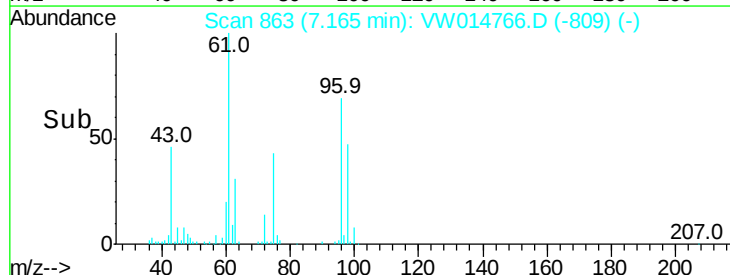
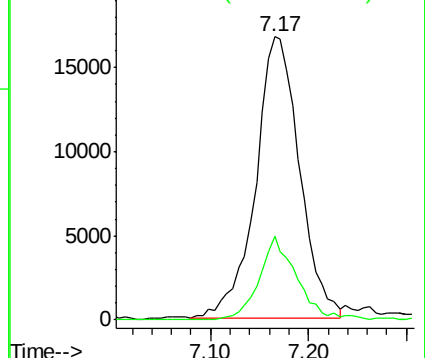
43 100

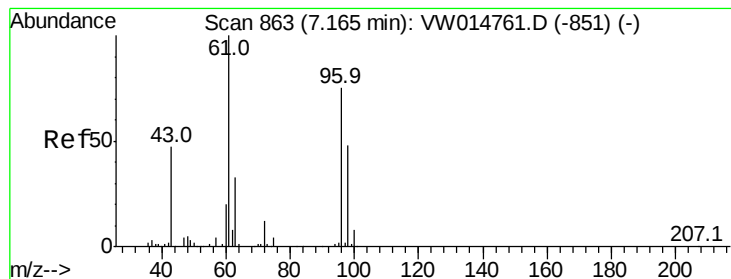
72 24.4 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 5.219 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

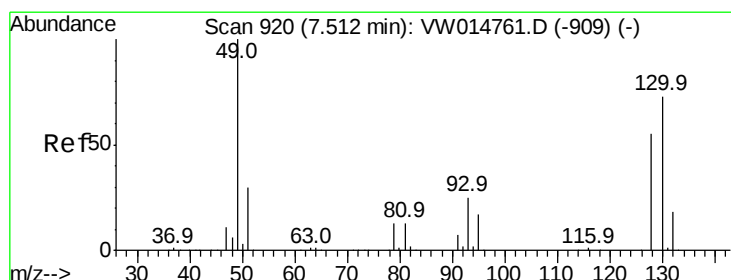
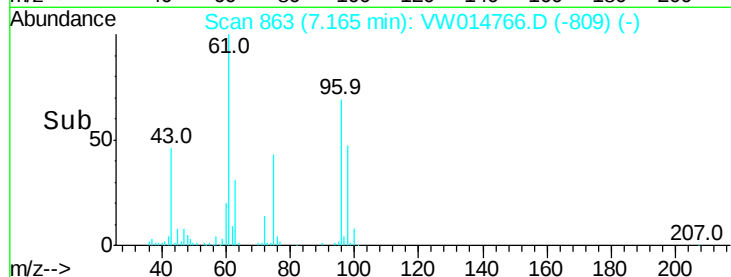
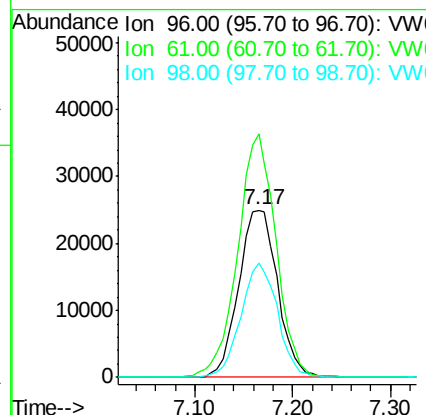
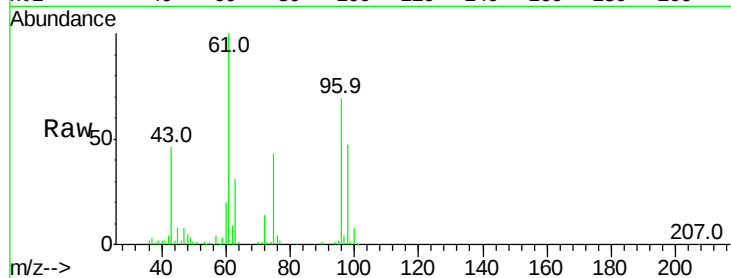
Tgt Ion: 96 Resp: 69018

Ion Ratio Lower Upper

96 100

61 145.8 94.1 174.7

98 68.2 44.9 83.3



#23

Bromochloromethane

Concen: 5.307 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Tgt Ion: 128 Resp: 30491

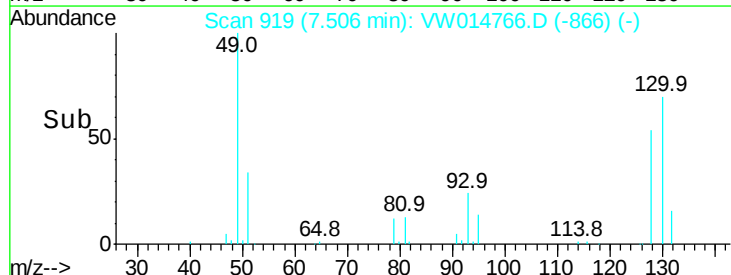
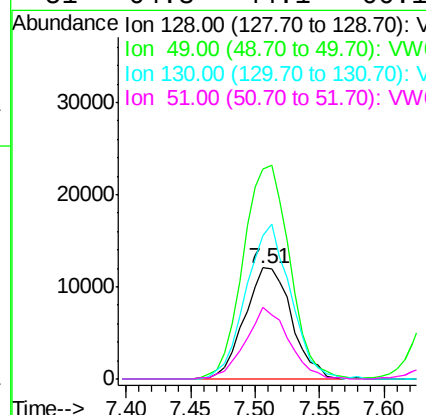
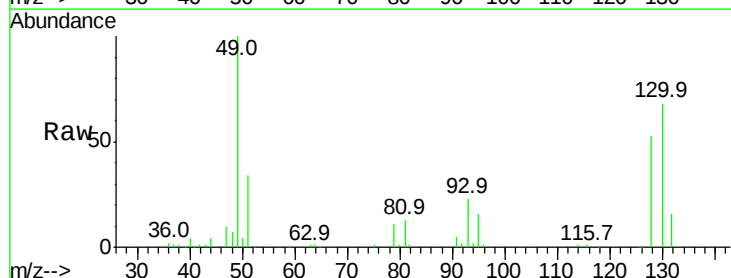
Ion Ratio Lower Upper

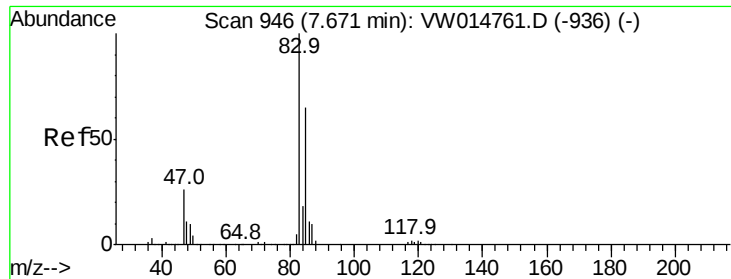
128 100

49 188.5 127.7 237.1

130 128.8 93.4 173.6

51 64.3 44.1 66.1





#25

Chloroform

Concen: 5.288 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

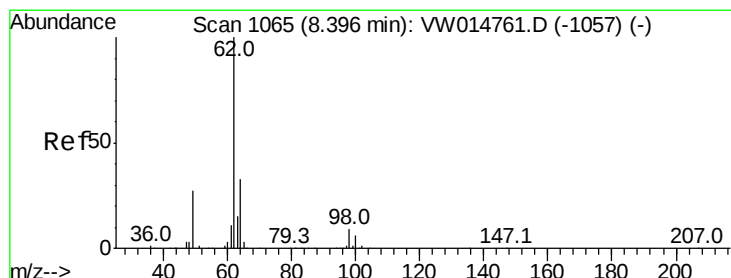
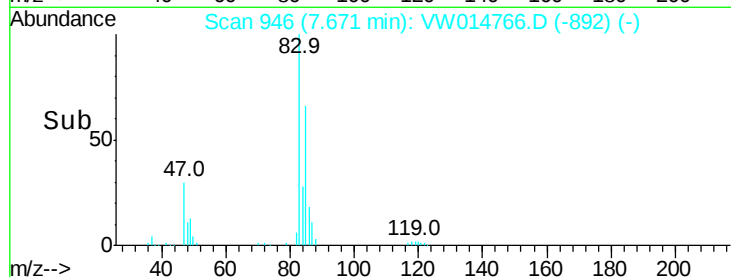
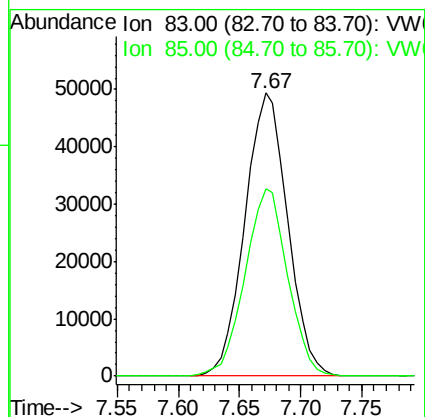
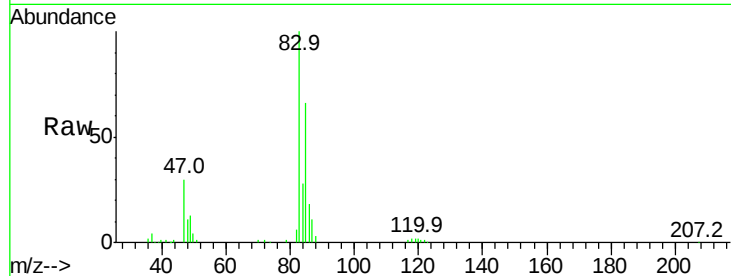
VSTD00504

Tgt Ion: 83 Resp: 120059

Ion Ratio Lower Upper

83 100

85 66.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 5.288 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014766.D

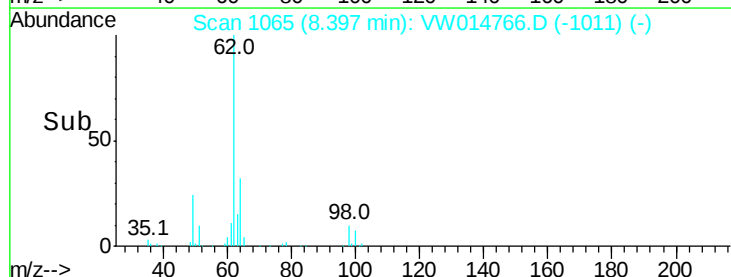
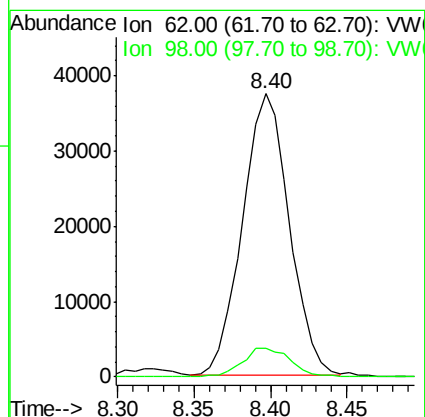
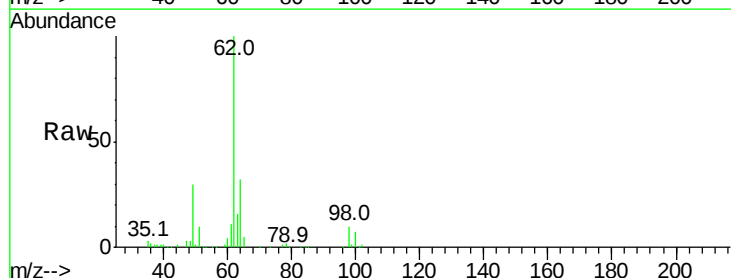
Acq: 27 Jan 2020 14:12

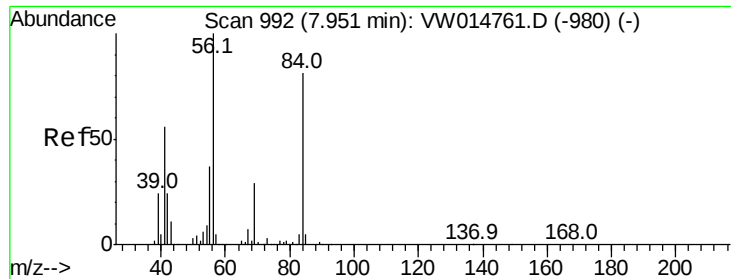
Tgt Ion: 62 Resp: 79519

Ion Ratio Lower Upper

62 100

98 10.3 7.5 11.3

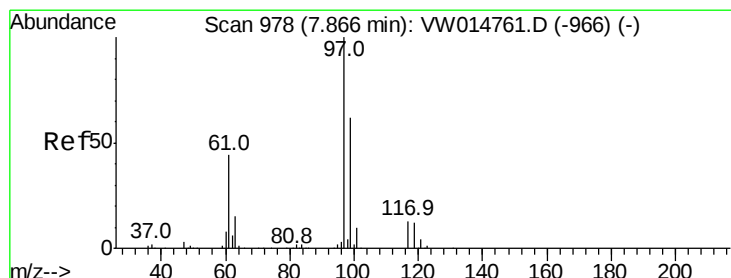
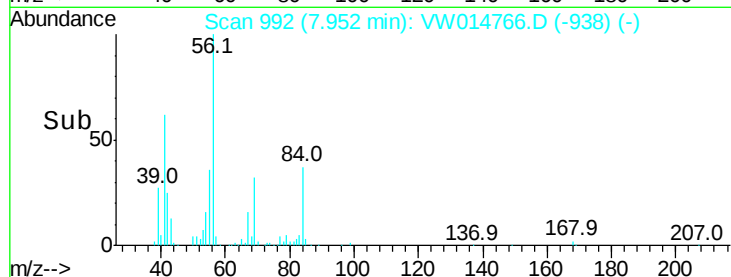
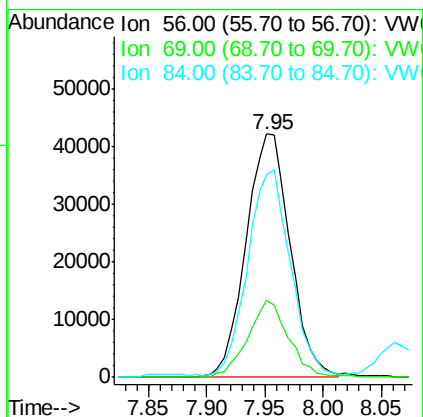
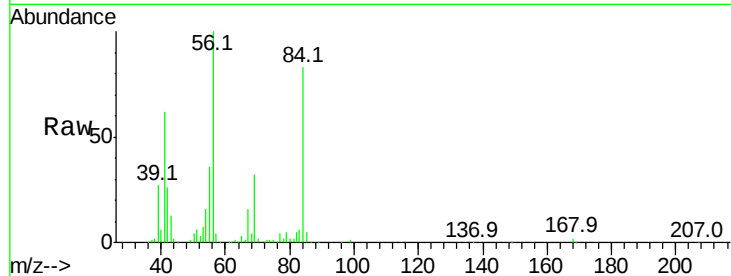




#30
Cyclohexane
Concen: 4.701 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

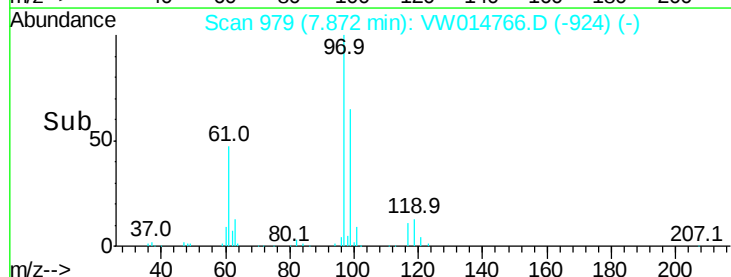
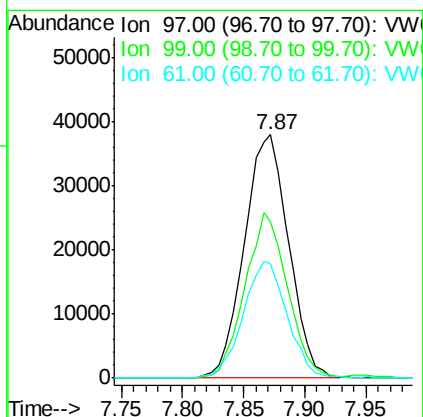
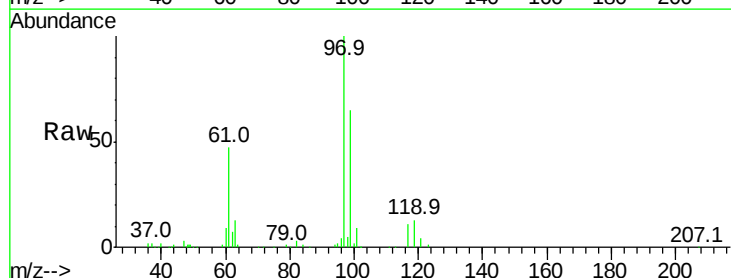
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

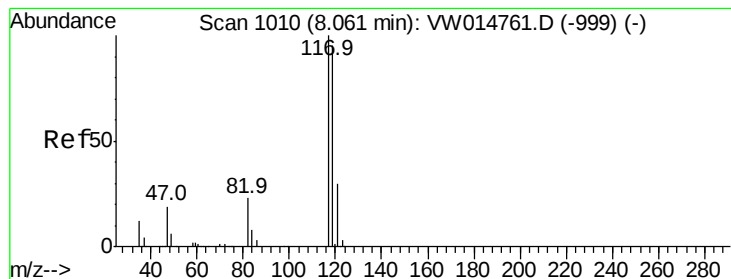
Tgt Ion: 56 Resp: 111174
Ion Ratio Lower Upper
56 100
69 29.1 23.8 35.6
84 83.1 64.8 97.2



#31
1,1,1-Trichloroethane
Concen: 5.058 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Tgt Ion: 97 Resp: 96196
Ion Ratio Lower Upper
97 100
99 65.2 50.9 76.3
61 47.4 36.4 54.6





#32

Carbon tetrachloride

Concen: 4.989 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

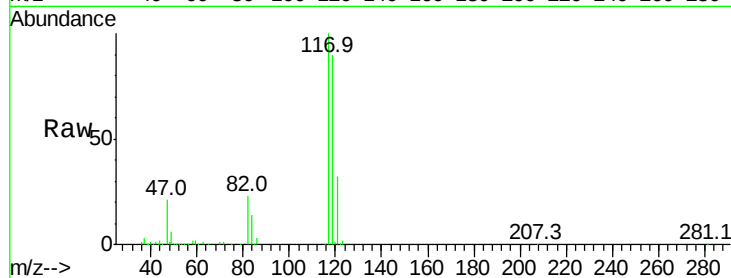
VSTD00504

Tgt Ion:117 Resp: 88839

Ion Ratio Lower Upper

117 100

119 95.9 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

40000

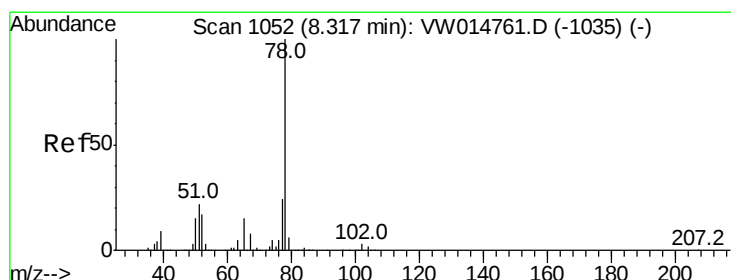
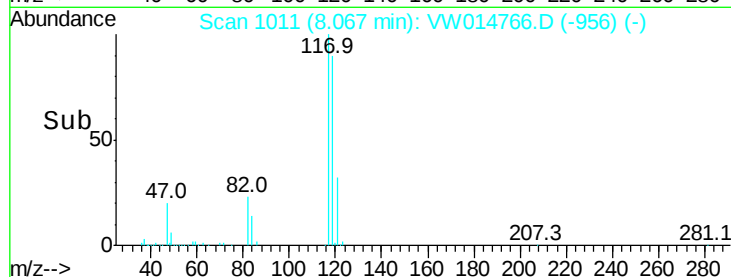
30000

20000

10000

0

Time--> 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.150 ug/L

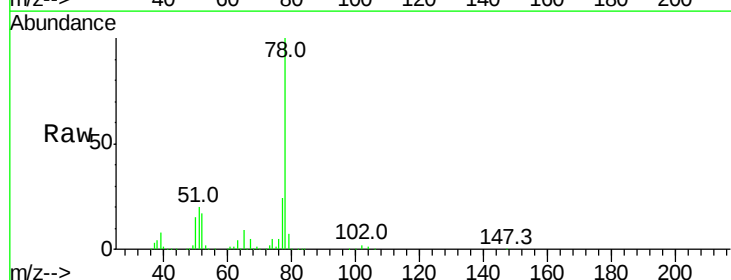
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Tgt Ion: 78 Resp: 285473



Abundance Ion 78.00 (77.70 to 78.70): VW

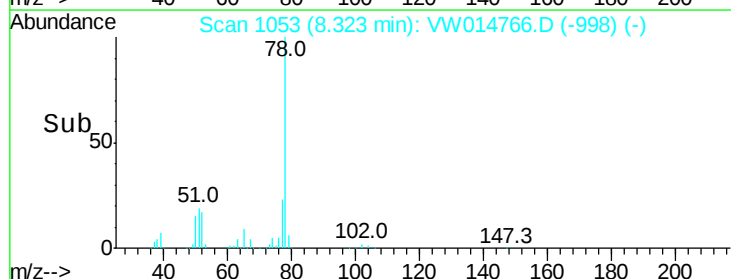
150000

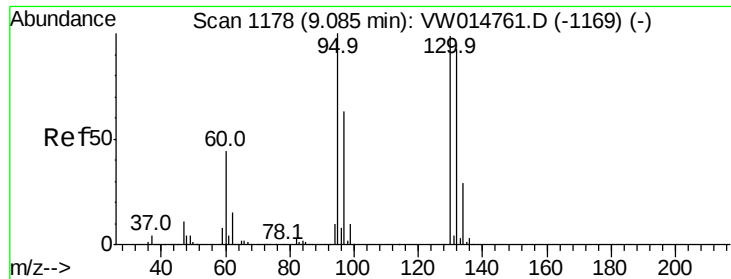
100000

50000

0

Time--> 8.20 8.30 8.40

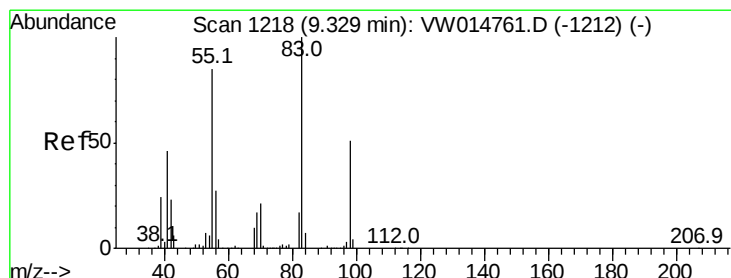
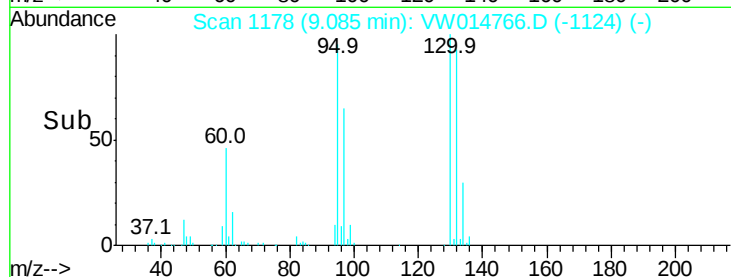
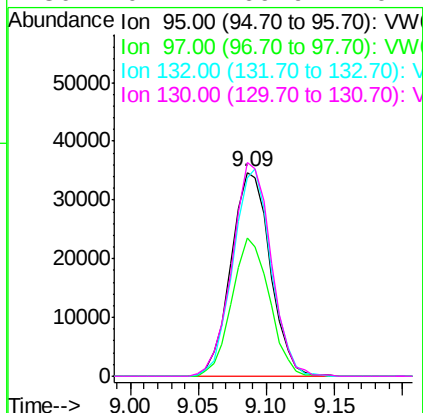
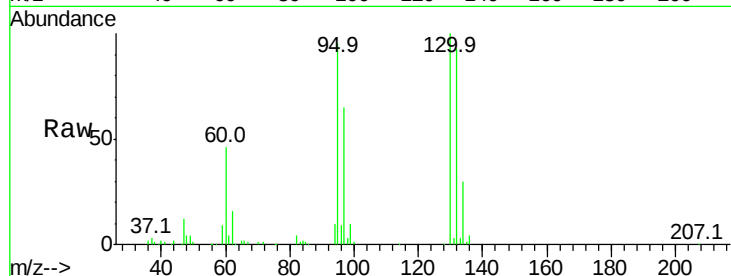




#35
 Trichloroethene
 Concen: 4.863 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014766.D
 Acq: 27 Jan 2020 14:12

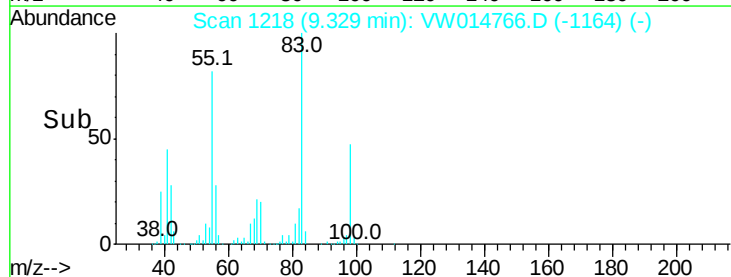
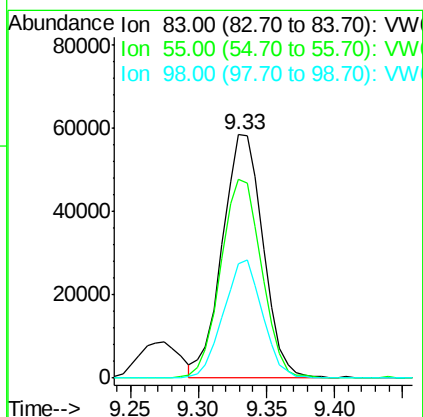
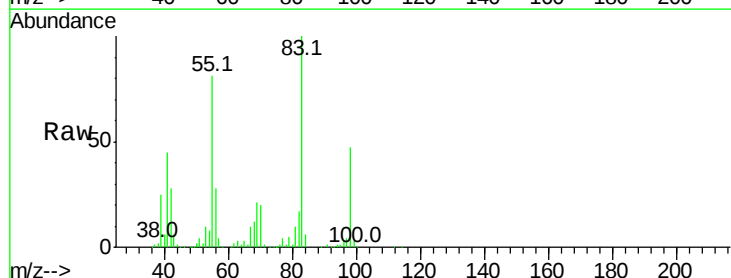
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

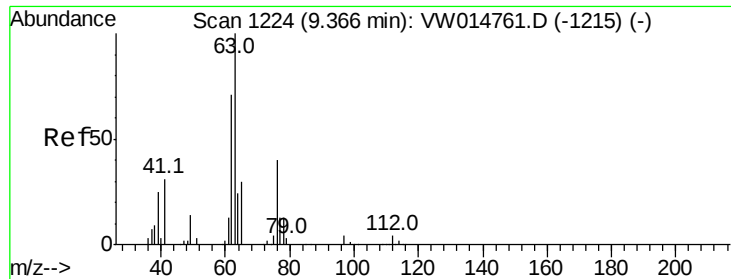
Tgt Ion: 95 Resp: 69892
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.3 82.3
 132 98.6 67.1 124.7
 130 104.1 69.9 129.7



#36
 Methylcyclohexane
 Concen: 5.075 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014766.D
 Acq: 27 Jan 2020 14:12

Tgt Ion: 83 Resp: 121858
 Ion Ratio Lower Upper
 83 100
 55 82.3 65.6 98.4
 98 46.5 38.0 57.0





#40

1,2-Dichloropropane

Concen: 5.163 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

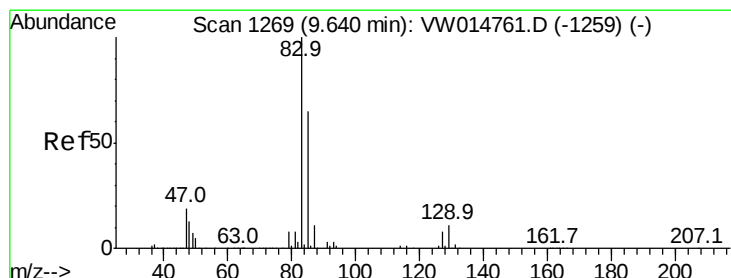
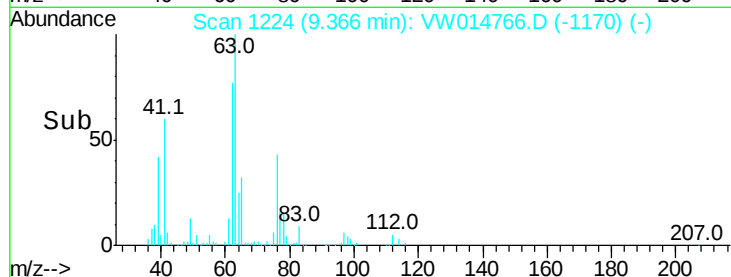
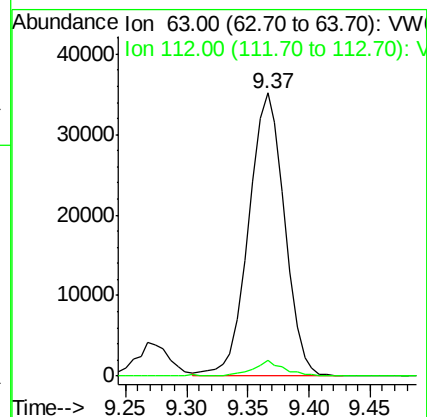
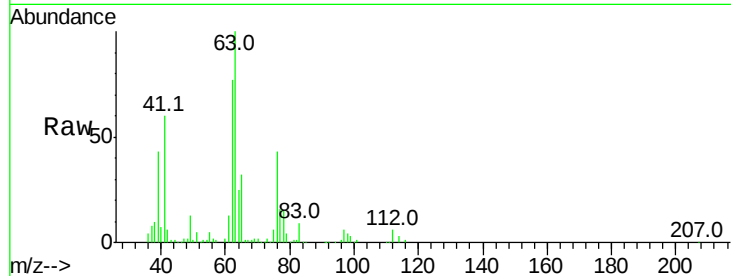
VSTD00504

Tgt Ion: 63 Resp: 71830

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



#41

Bromodichloromethane

Concen: 5.025 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

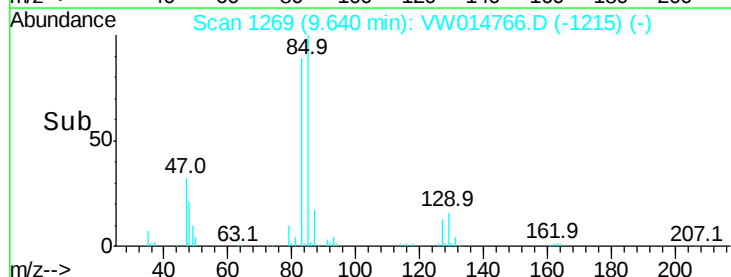
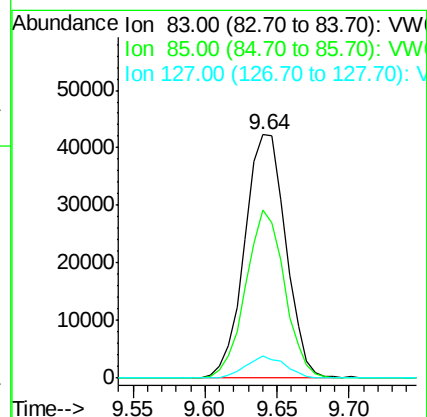
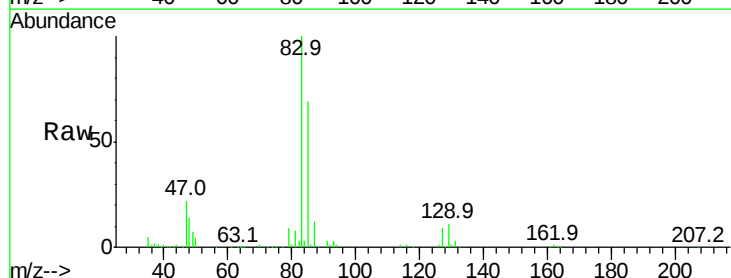
Tgt Ion: 83 Resp: 83798

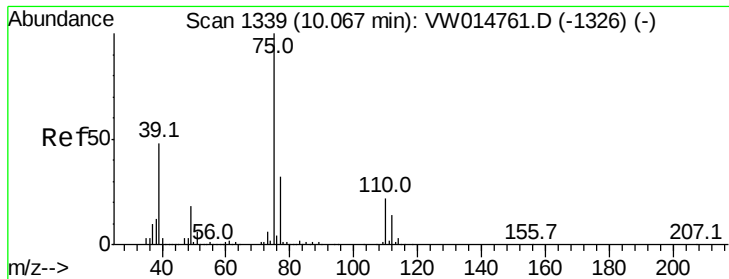
Ion Ratio Lower Upper

83 100

85 69.1 45.7 84.9

127 9.2 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 4.891 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

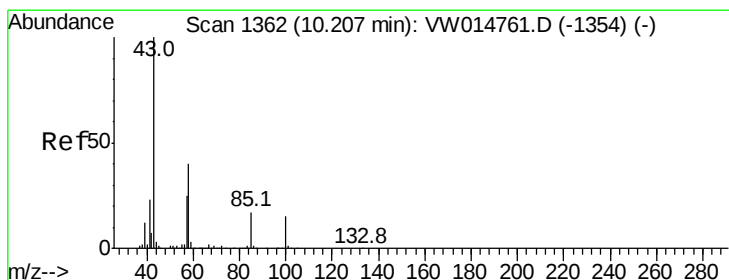
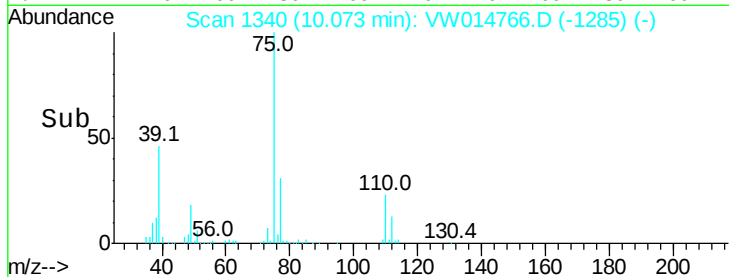
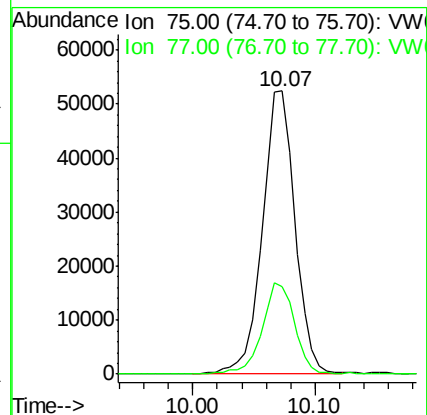
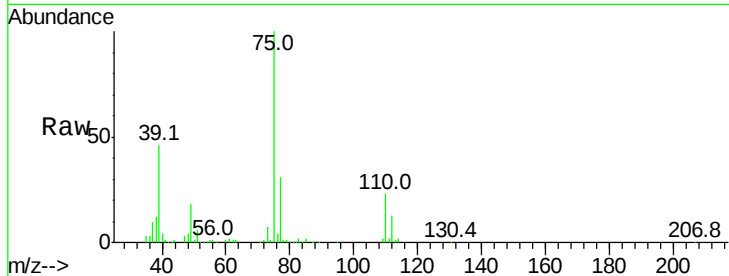
VSTD00504

Tgt Ion: 75 Resp: 97882

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 11.345 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

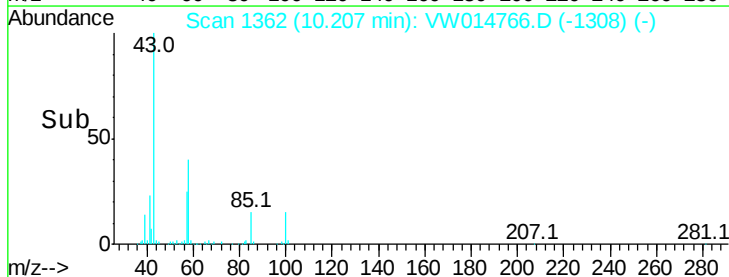
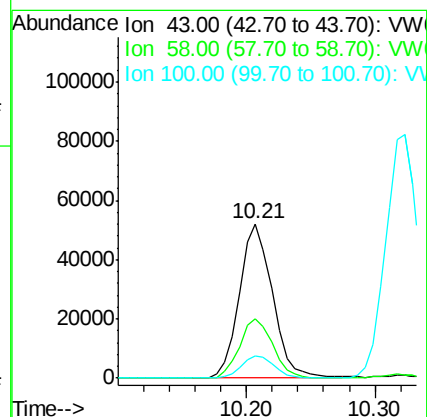
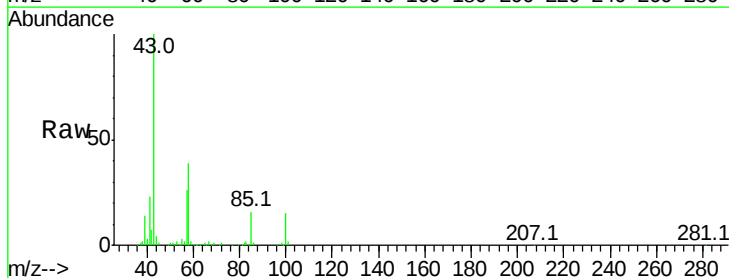
Tgt Ion: 43 Resp: 92312

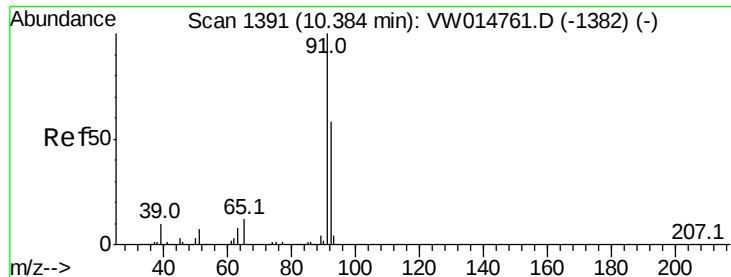
Ion Ratio Lower Upper

43 100

58 38.7 30.9 46.3

100 14.5 11.8 17.6





#44

Toluene

Concen: 5.199 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

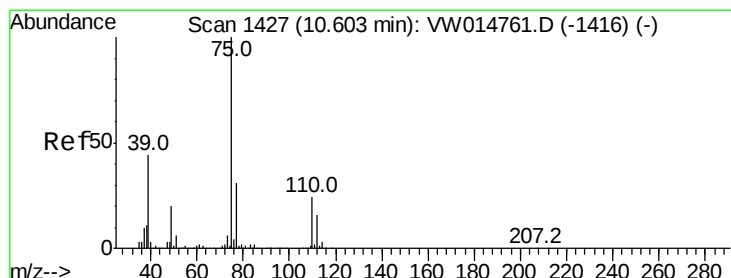
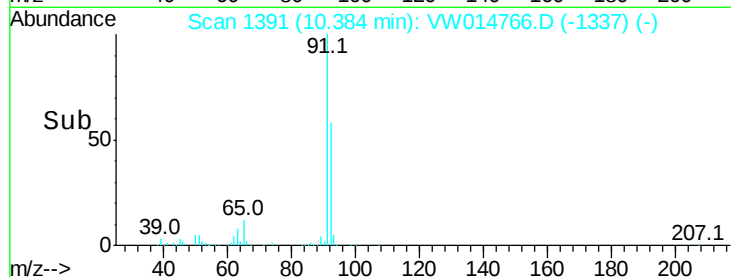
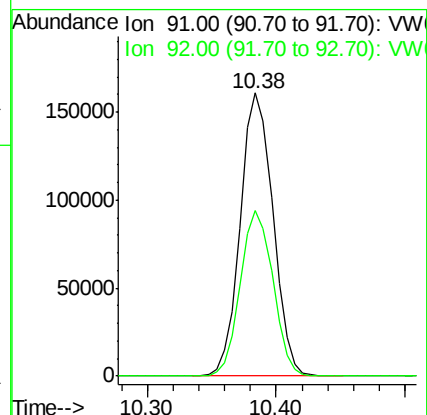
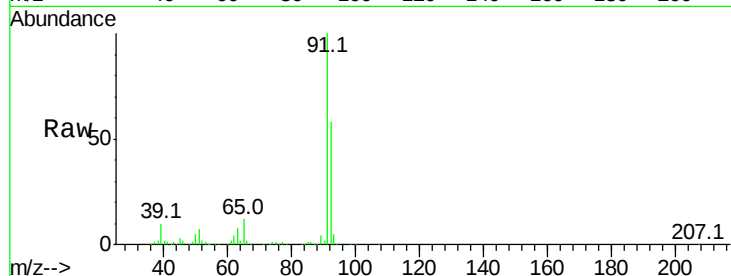
VSTD00504

Tgt Ion: 91 Resp: 283827

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 5.022 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014766.D

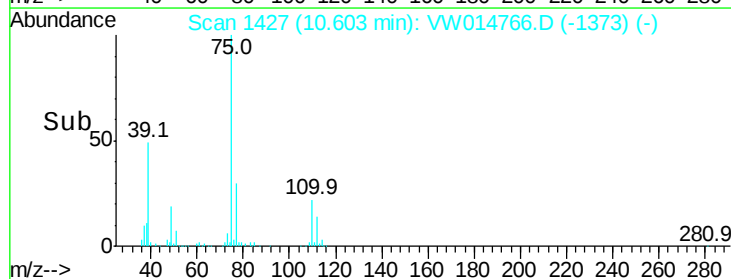
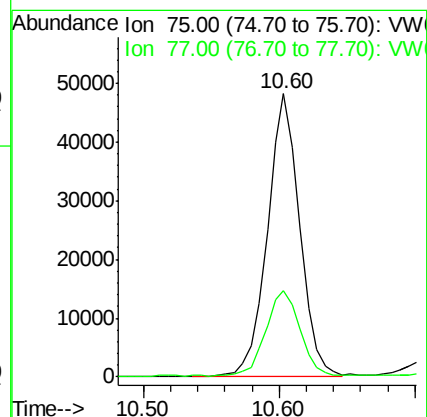
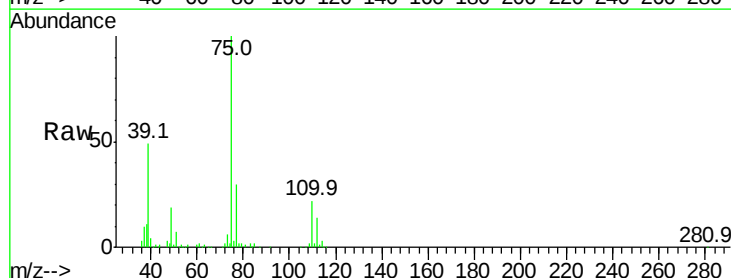
Acq: 27 Jan 2020 14:12

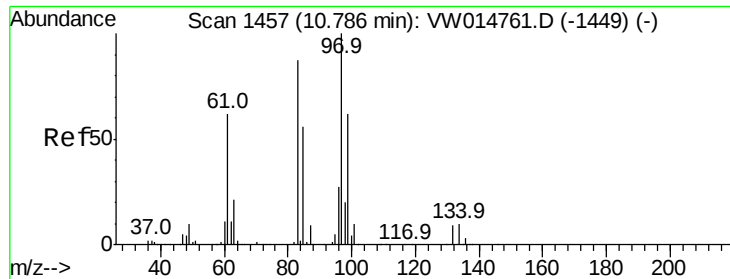
Tgt Ion: 75 Resp: 79952

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 5.372 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 97 Resp: 49712

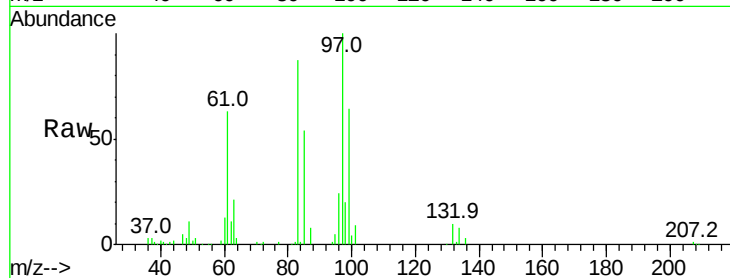
Ion Ratio Lower Upper

97 100

83 86.7 60.9 113.1

85 54.3 39.2 72.8

99 63.8 43.0 80.0

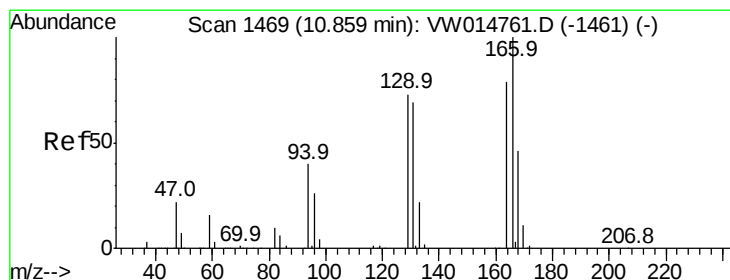
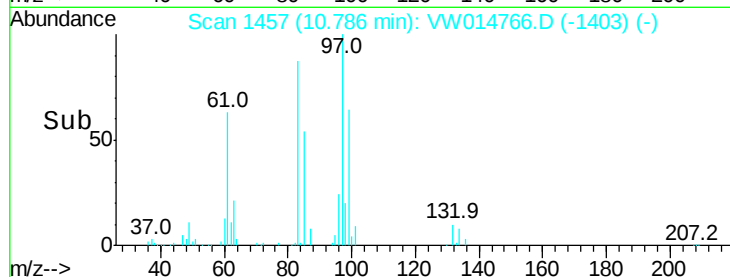
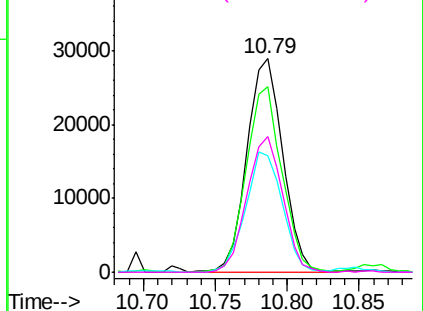


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.233 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Tgt Ion: 164 Resp: 57822

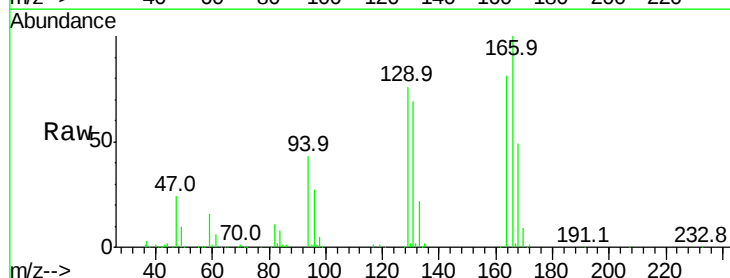
Ion Ratio Lower Upper

164 100

129 92.7 64.4 119.6

131 84.8 61.2 113.6

166 122.7 88.8 165.0

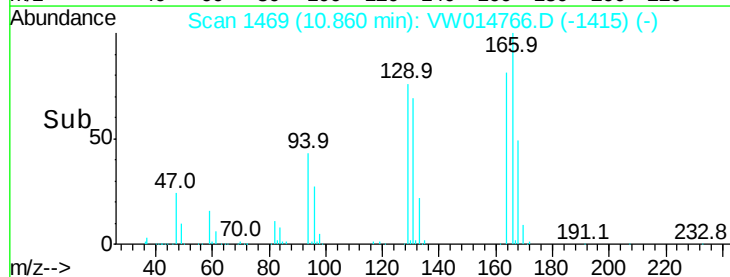
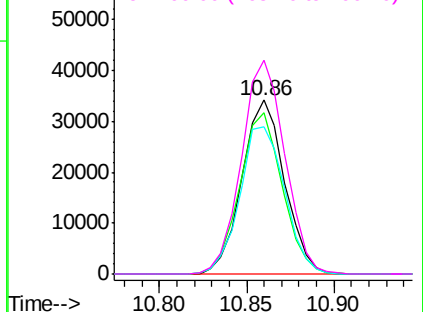


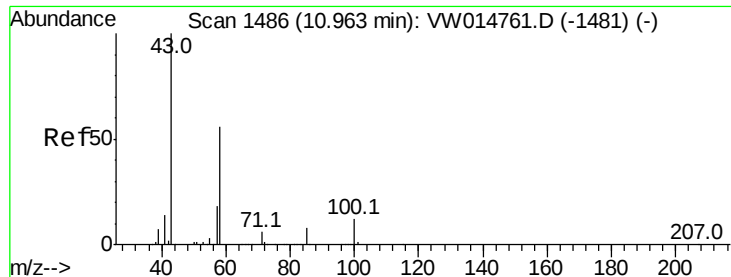
Abundance Ion 164.00 (163.70 to 164.70): V

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



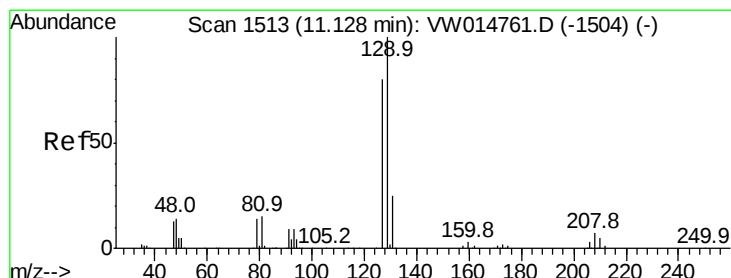
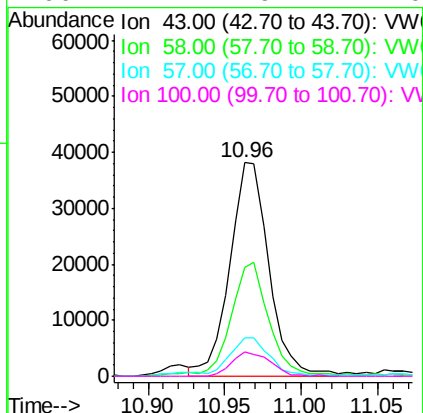
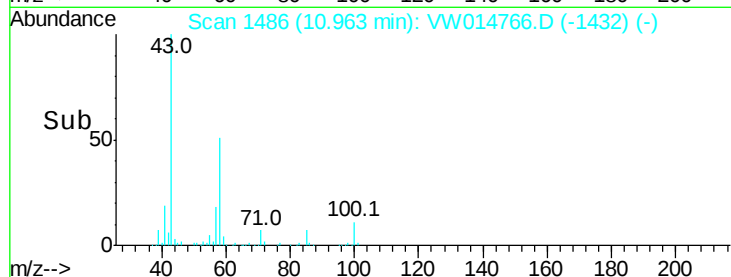
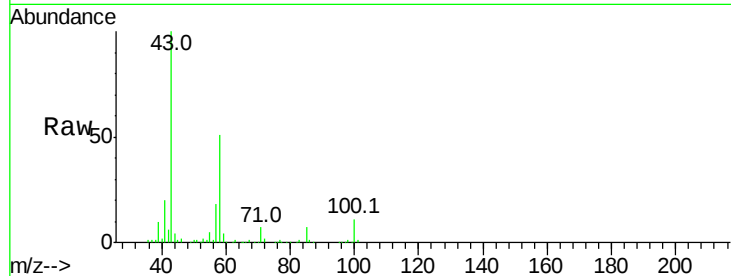


#49
2-Hexanone
Concen: 11.468 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Tgt Ion: 43 Resp: 67320

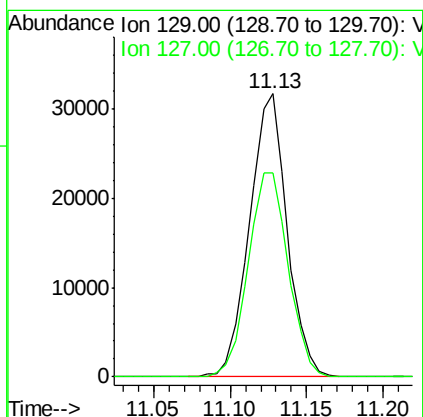
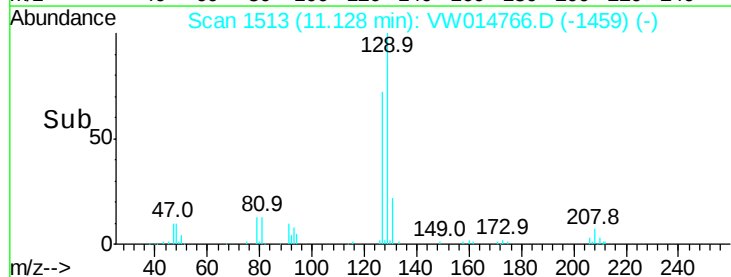
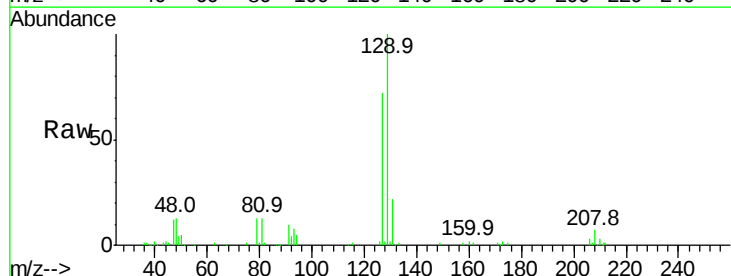
Ion	Ratio	Lower	Upper
43	100		
58	48.3	43.2	64.8
57	17.5	14.7	22.1
100	11.4	9.4	14.0

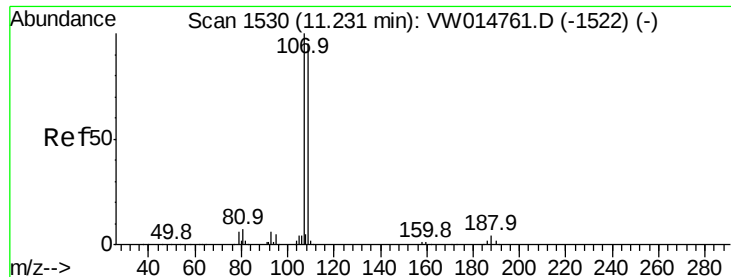


#50
Dibromochloromethane
Concen: 5.123 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Tgt Ion: 129 Resp: 54068

Ion	Ratio	Lower	Upper
129	100		
127	71.9	55.7	103.5

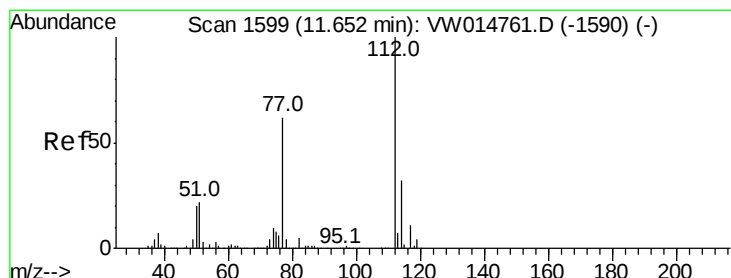
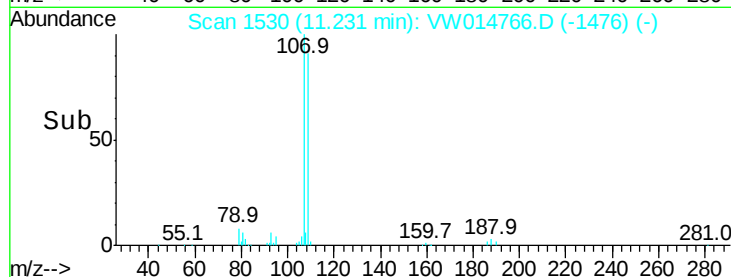
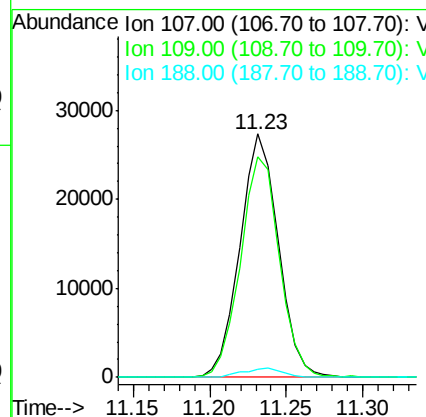
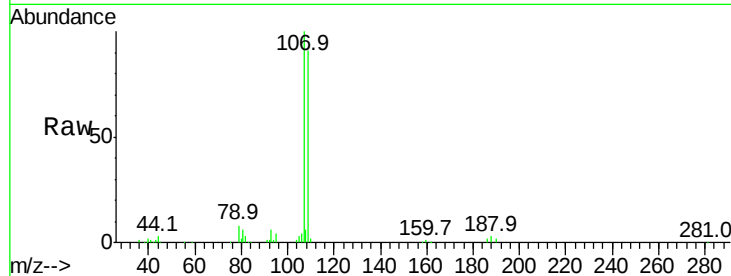




#51
1,2-Dibromoethane
Concen: 5.537 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

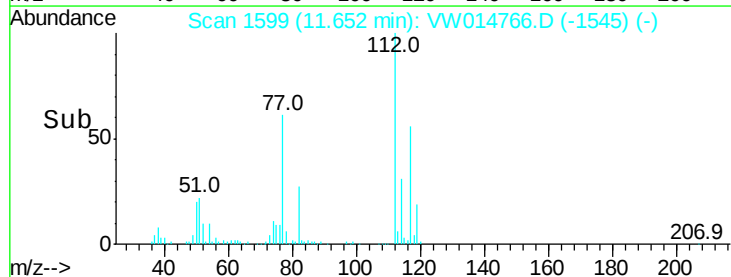
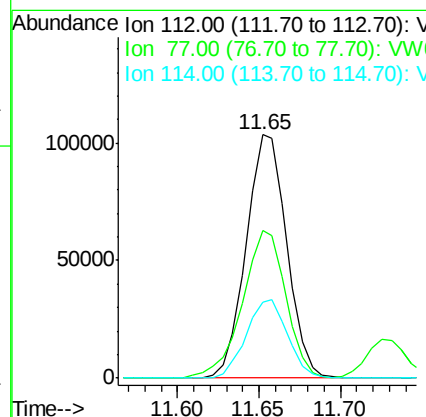
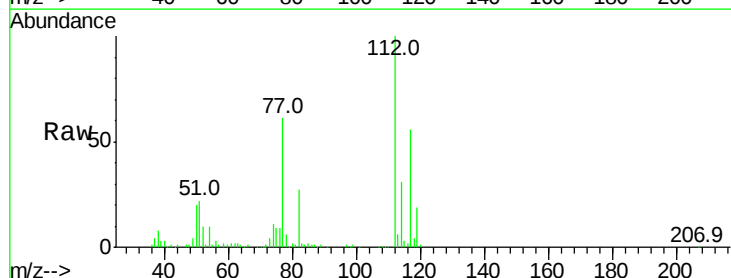
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

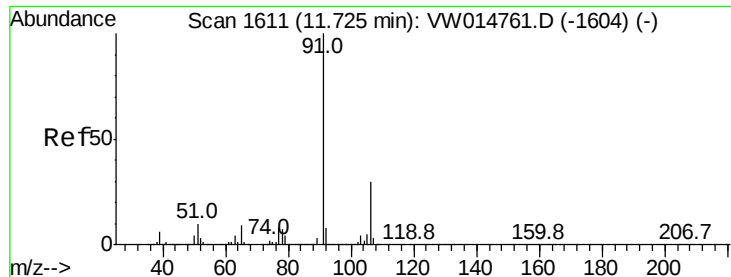
Tgt Ion:107 Resp: 47775
Ion Ratio Lower Upper
107 100
109 90.8 66.6 123.8
188 3.3 3.0 4.6



#52
Chlorobenzene
Concen: 5.234 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Tgt Ion:112 Resp: 179290
Ion Ratio Lower Upper
112 100
77 60.6 49.2 73.8
114 31.3 22.5 41.7

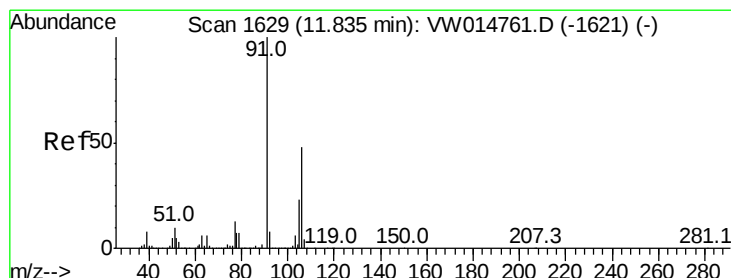
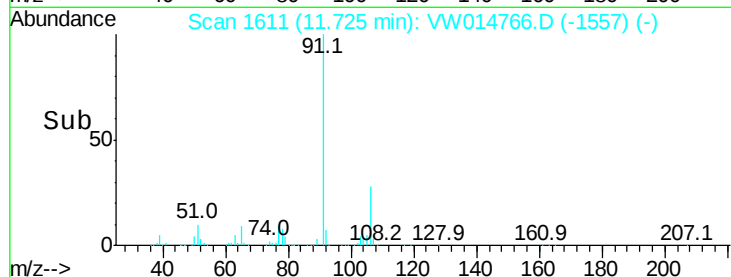
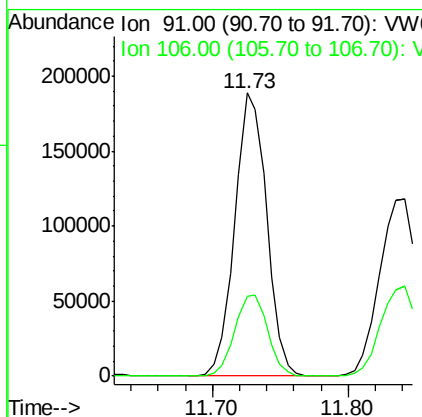
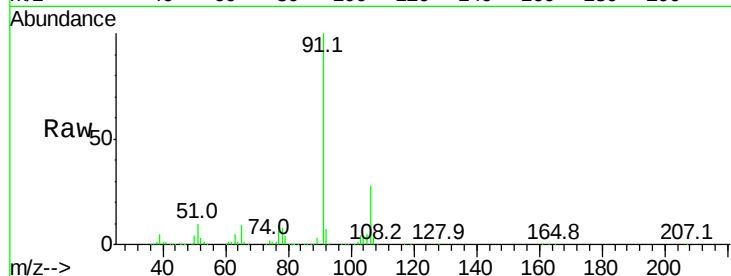




#53
Ethylbenzene
Concen: 5.158 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

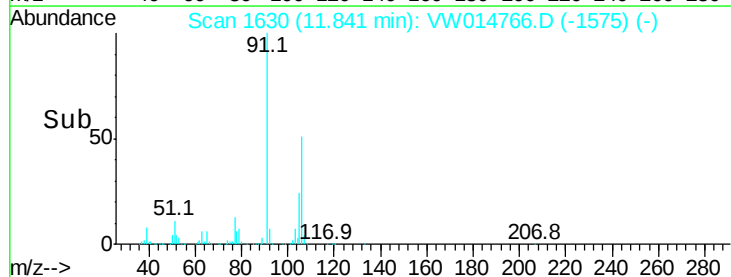
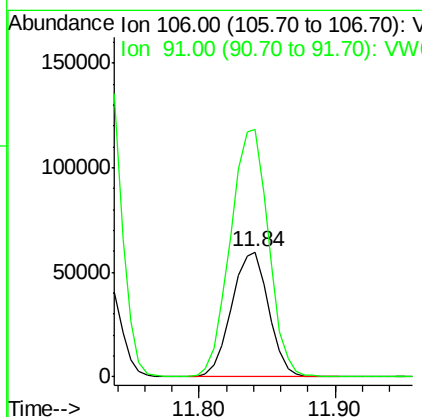
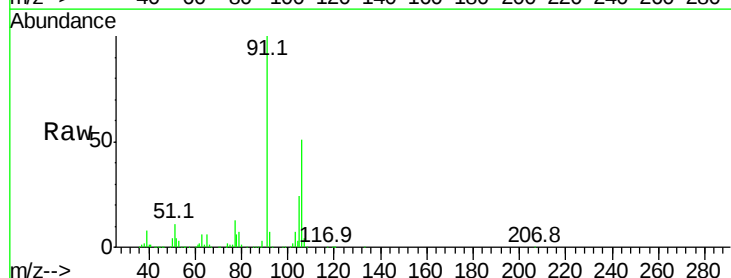
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

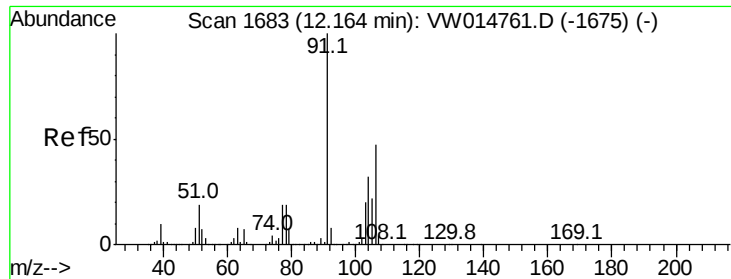
Tgt Ion: 91 Resp: 308553
Ion Ratio Lower Upper
91 100
106 28.1 21.1 39.3



#54
m,p-Xylene
Concen: 5.047 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Tgt Ion: 106 Resp: 113245
Ion Ratio Lower Upper
106 100
91 197.6 146.2 271.6

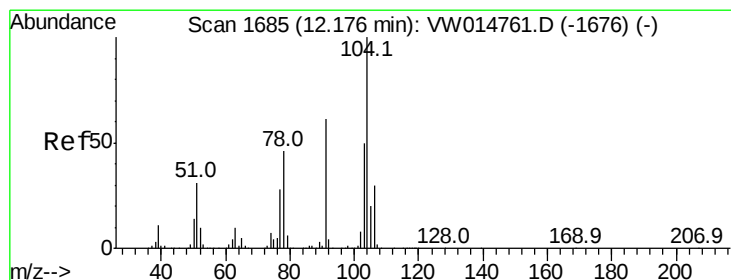
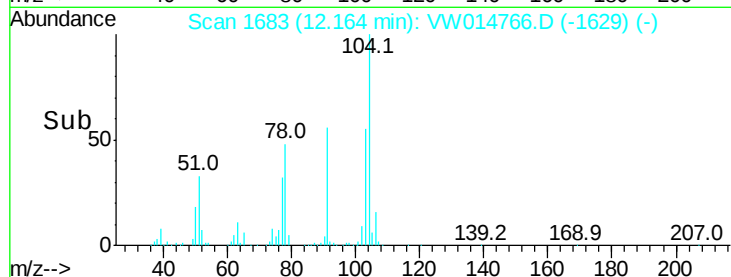
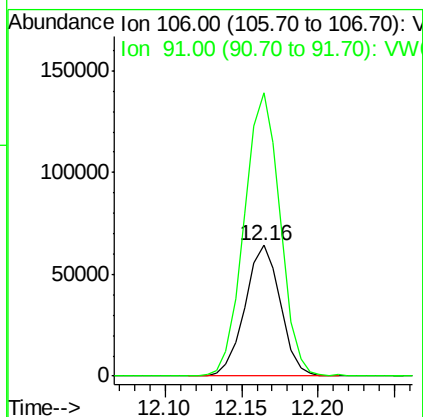
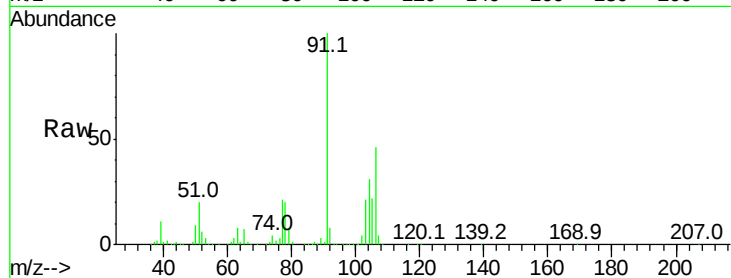




#55
o-xylene
Concen: 4.927 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

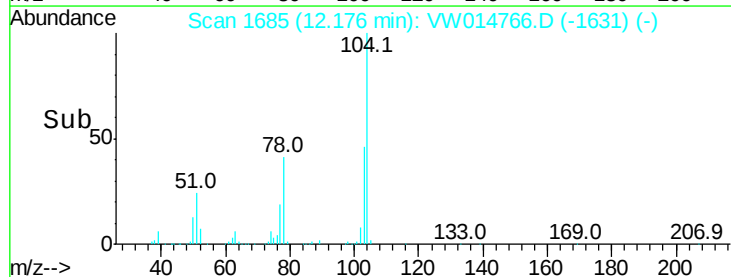
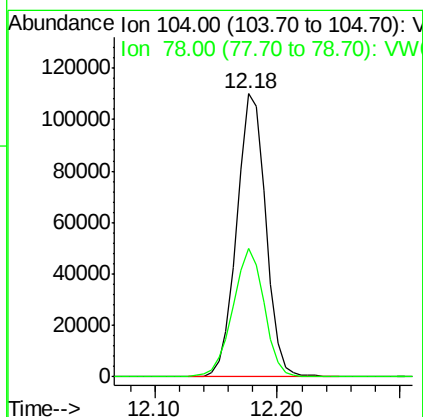
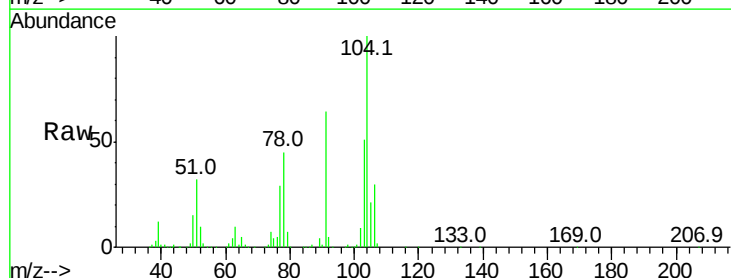
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

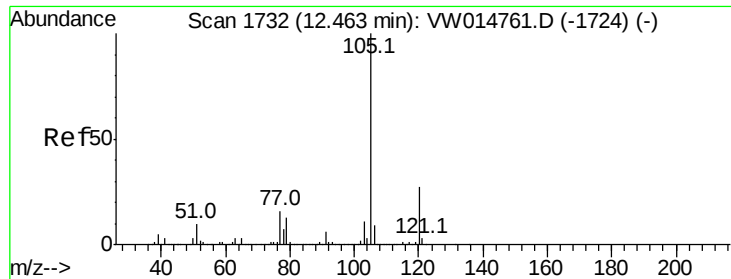
Tgt Ion:106 Resp: 103839
Ion Ratio Lower Upper
106 100
91 216.1 148.7 276.1



#56
Styrene
Concen: 5.077 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014766.D
Acq: 27 Jan 2020 14:12

Tgt Ion:104 Resp: 180713
Ion Ratio Lower Upper
104 100
78 45.5 32.0 59.4





#57

Isopropylbenzene

Concen: 5.085 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

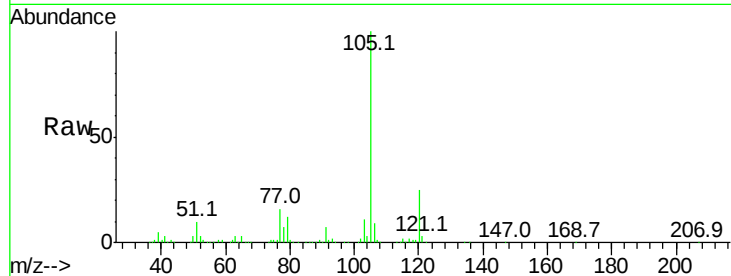
Tgt Ion:105 Resp: 288884

Ion Ratio Lower Upper

105 100

120 25.2 21.1 31.7

77 16.3 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

12.46

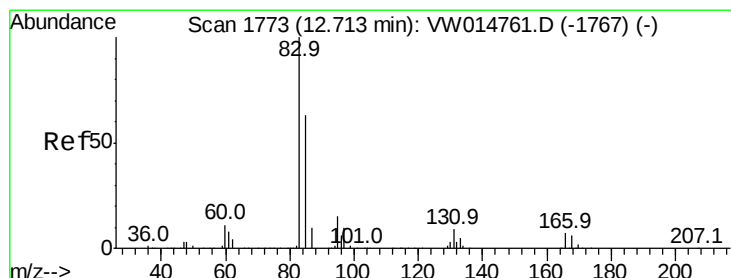
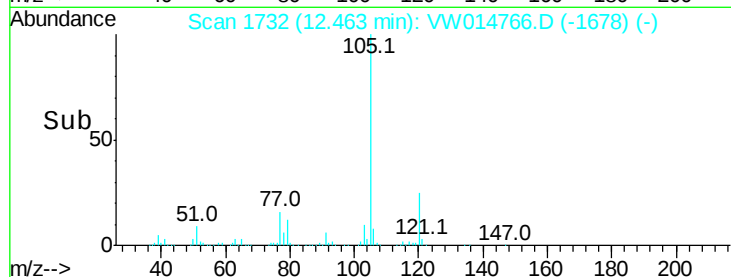
150000

100000

50000

0

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.716 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

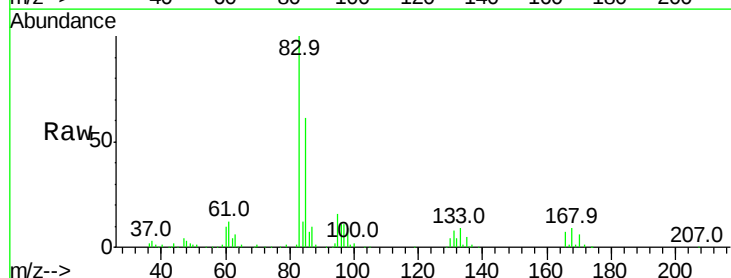
Tgt Ion: 83 Resp: 63841

Ion Ratio Lower Upper

83 100

85 61.1 45.0 83.6

131 8.4 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

12.71

40000

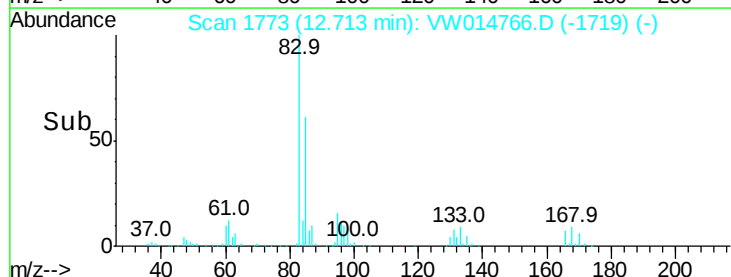
30000

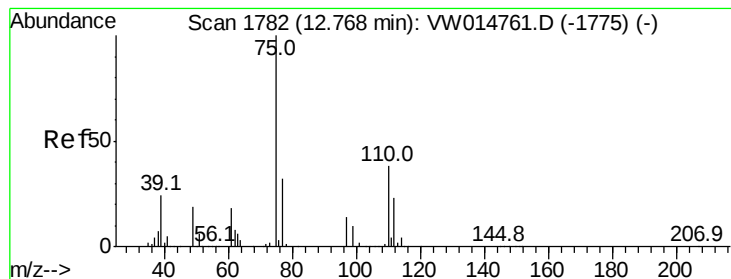
20000

10000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.984 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

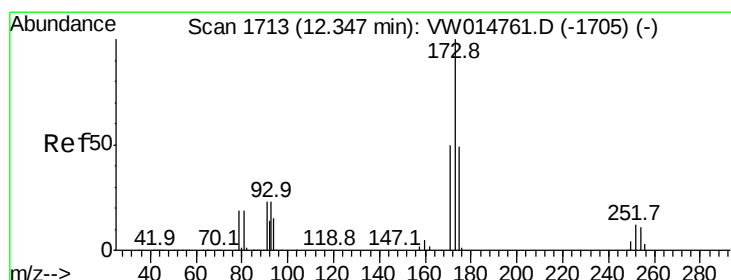
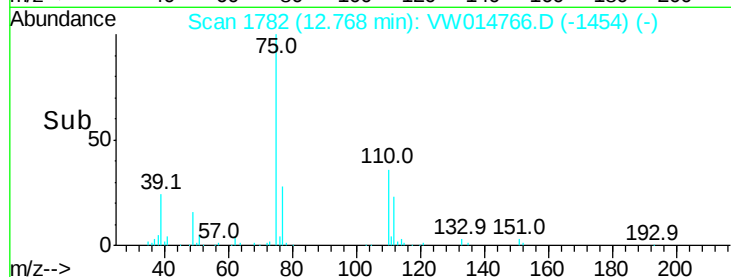
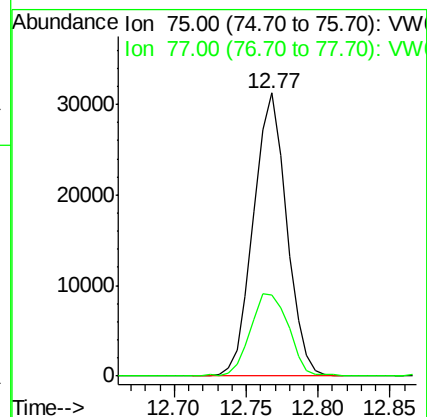
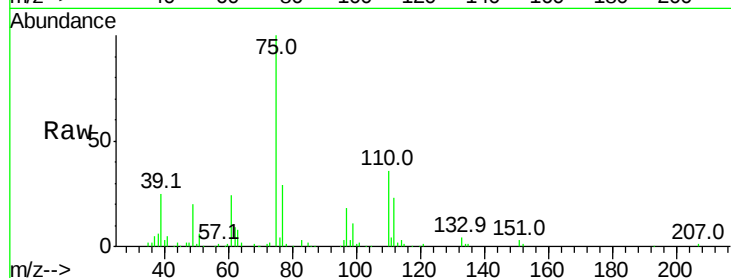
VSTD00504

Tgt Ion: 75 Resp: 50027

Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8



#62

Bromoform

Concen: 5.119 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

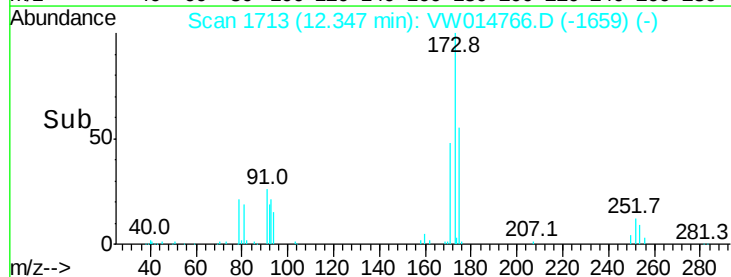
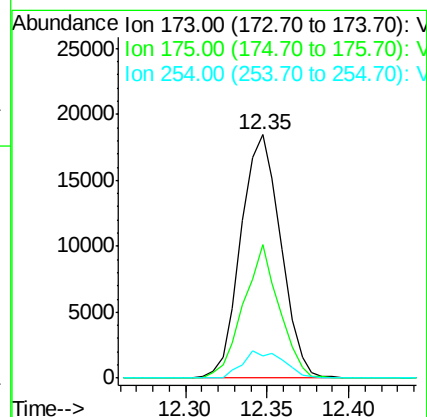
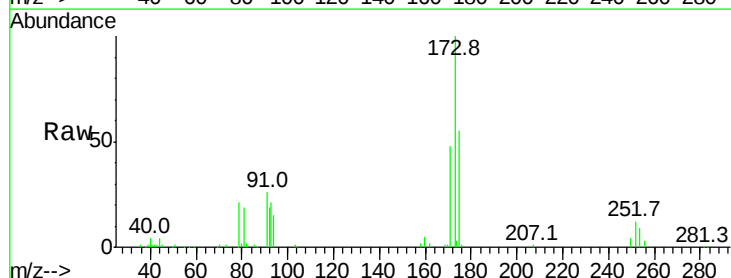
Tgt Ion: 173 Resp: 31558

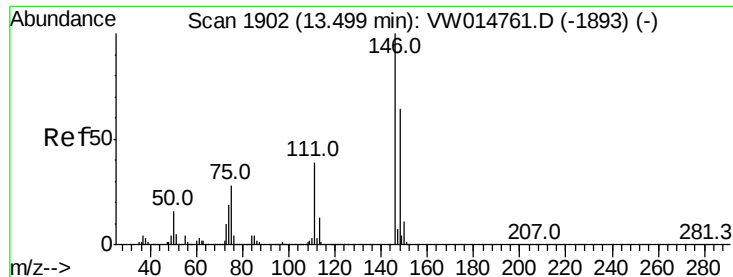
Ion Ratio Lower Upper

173 100

175 49.5 39.8 59.8

254 11.2 8.9 13.3





#63

1,3-Dichlorobenzene

Concen: 5.202 ug/L

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

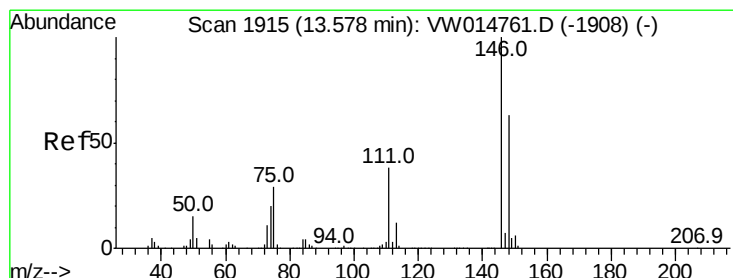
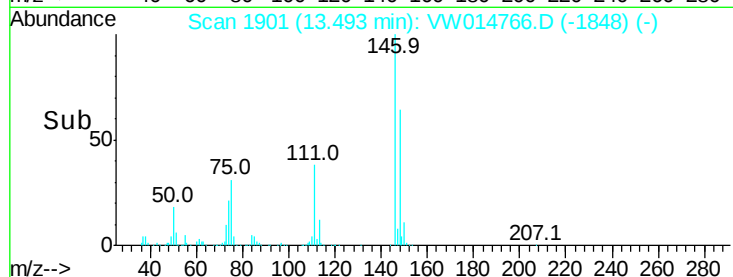
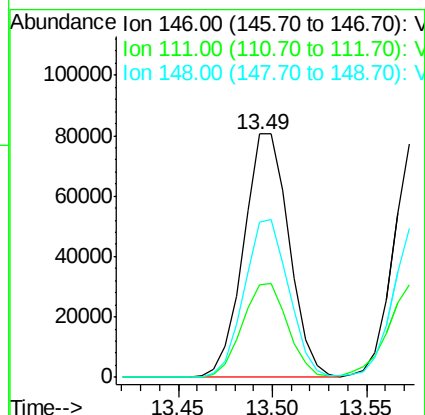
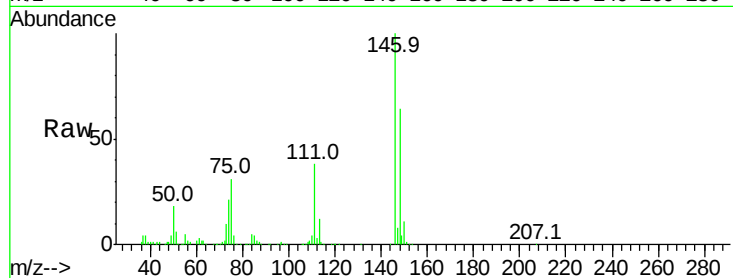
Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion:	146	Resp:	134830
Ion	Ratio	Lower	Upper
146	100		
111	38.0	27.1	50.3
148	64.0	44.5	82.7



#64

1,4-Dichlorobenzene

Concen: 5.208 ug/L

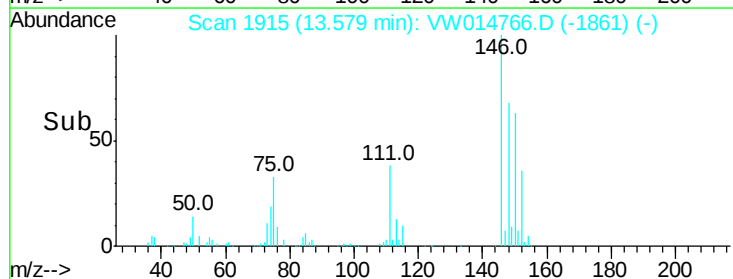
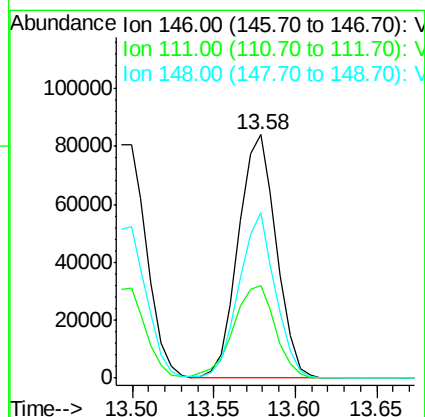
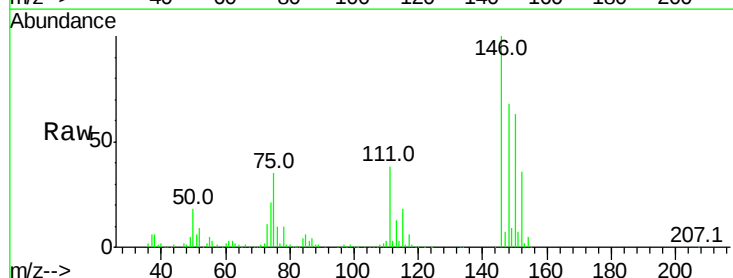
RT: 13.58 min Scan# 1915

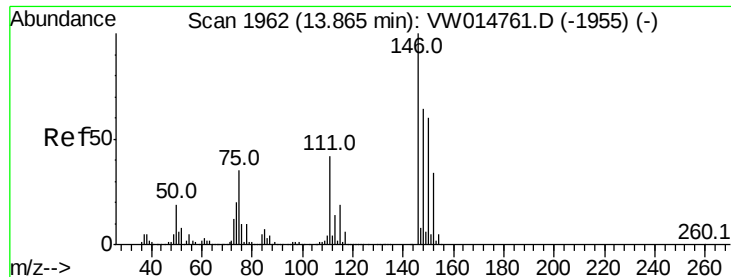
Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Tgt Ion:	146	Resp:	136464
Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.4	49.0
148	68.1	43.9	81.5

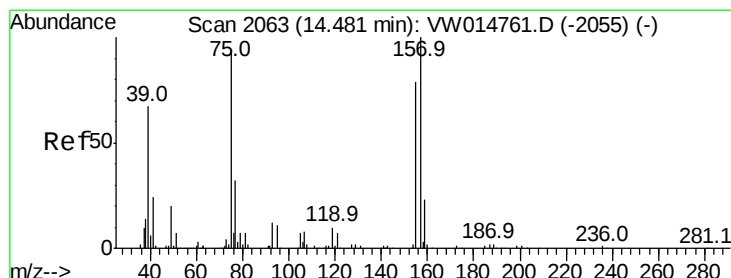
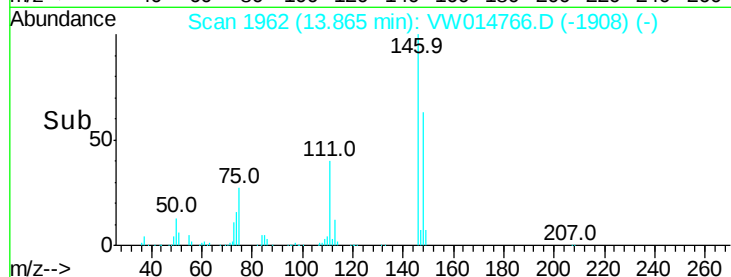
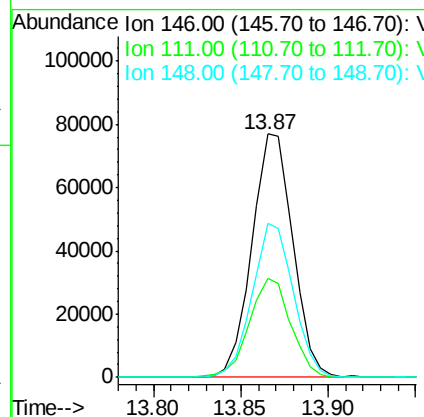
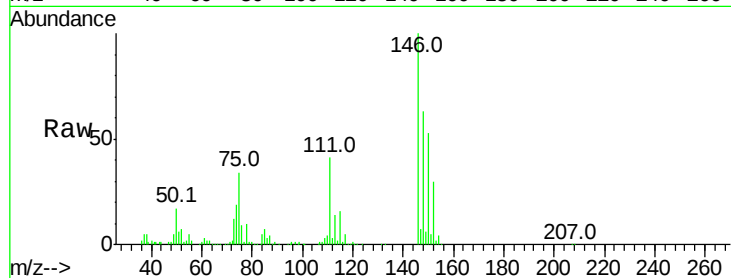




#65
 1,2-Dichlorobenzene
 Concen: 5.365 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014766.D
 Acq: 27 Jan 2020 14:12

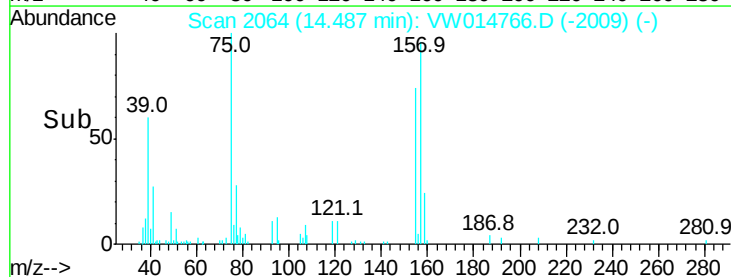
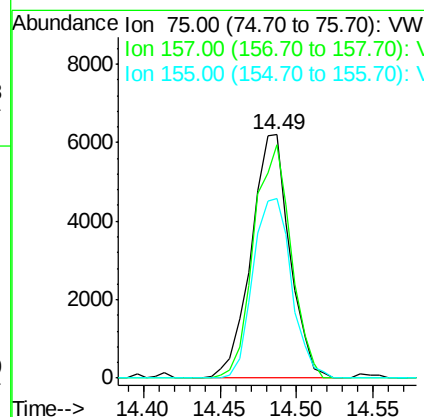
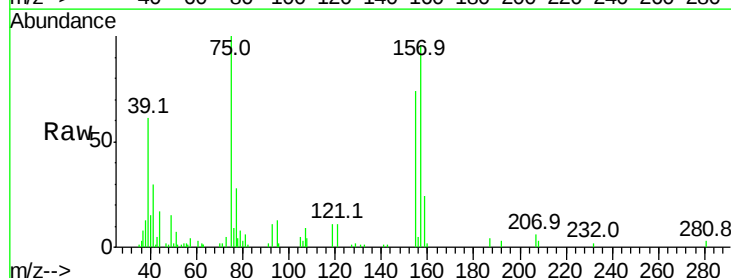
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

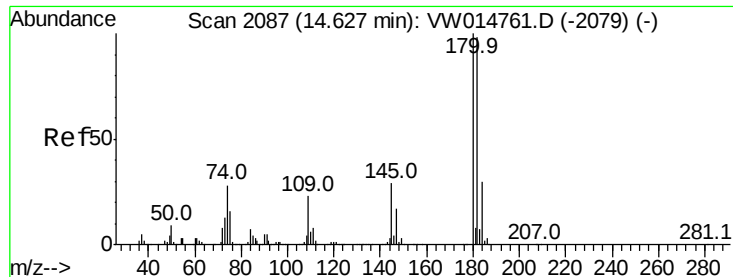
Tgt Ion:146 Resp: 125749
 Ion Ratio Lower Upper
 146 100
 111 40.8 33.4 50.2
 148 63.2 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.173 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014766.D
 Acq: 27 Jan 2020 14:12

Tgt Ion: 75 Resp: 10881
 Ion Ratio Lower Upper
 75 100
 157 95.9 84.9 127.3
 155 73.9 67.1 100.7

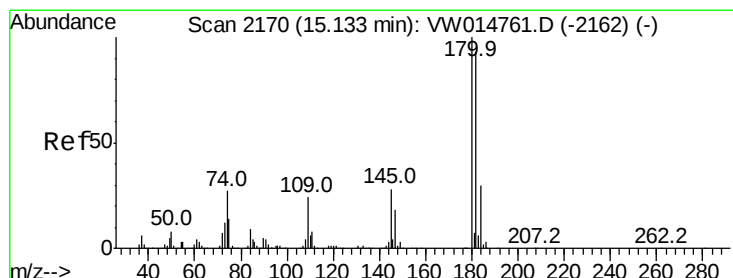
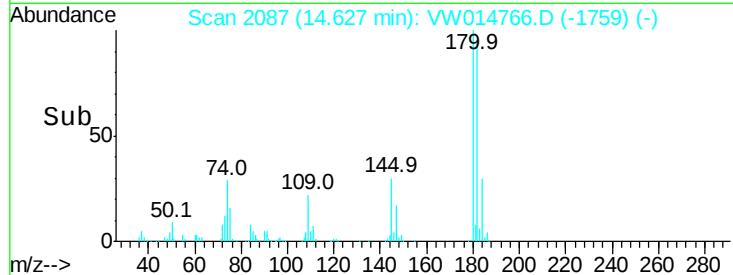
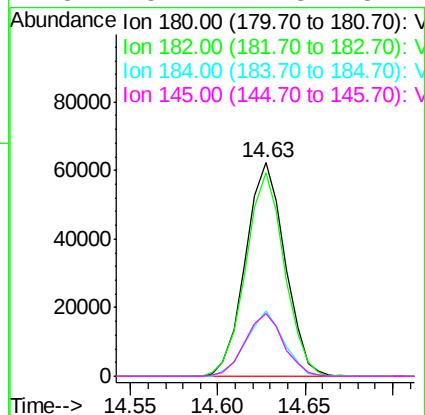
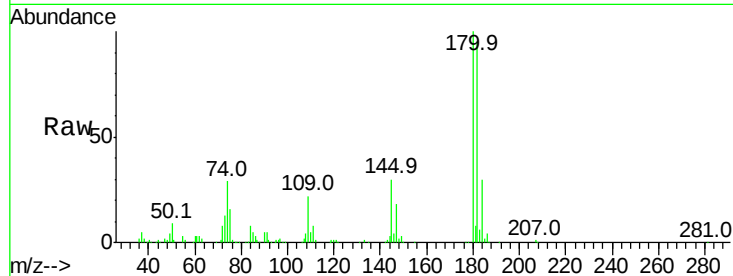




#67
 1,3,5-Trichlorobenzene
 Concen: 5.231 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014766.D
 Acq: 27 Jan 2020 14:12

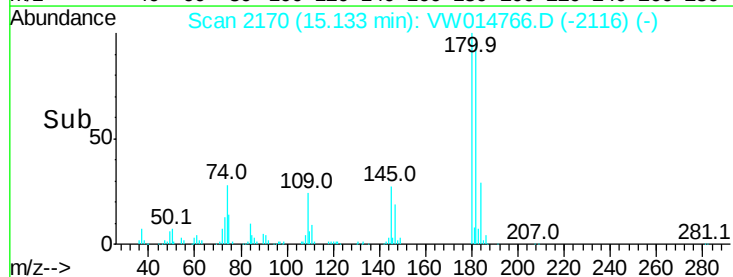
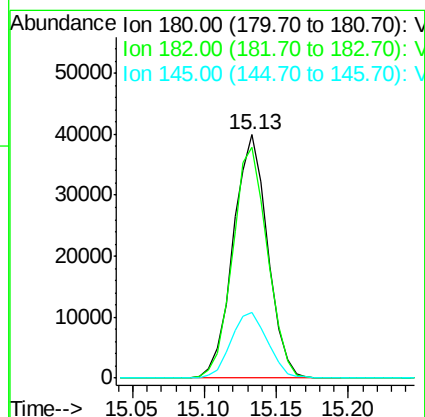
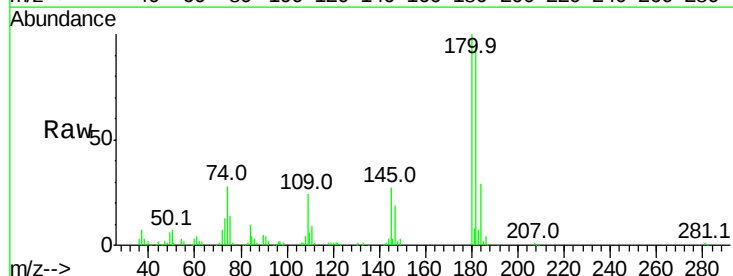
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

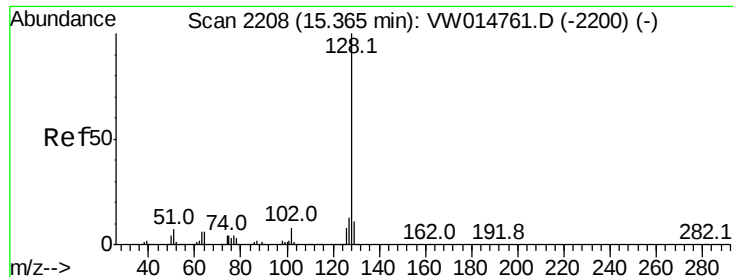
Tgt Ion:	180	Resp:	98012
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.4
184	28.7	24.2	36.4
145	28.7	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.725 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014766.D
 Acq: 27 Jan 2020 14:12

Tgt Ion:	180	Resp:	66747
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
145	28.6	23.3	34.9





#69

Naphthalene

Concen: 4.460 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

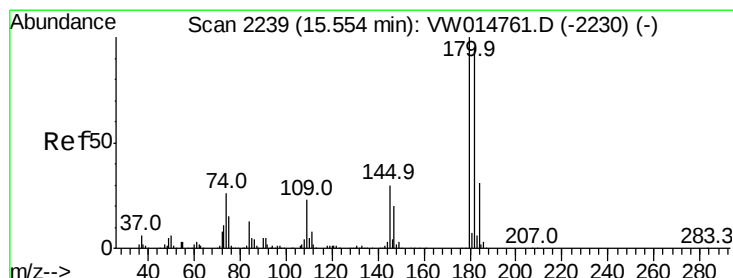
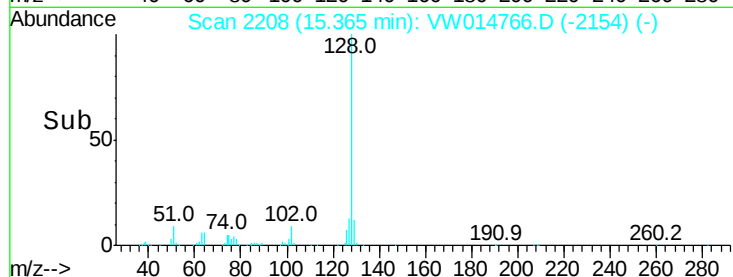
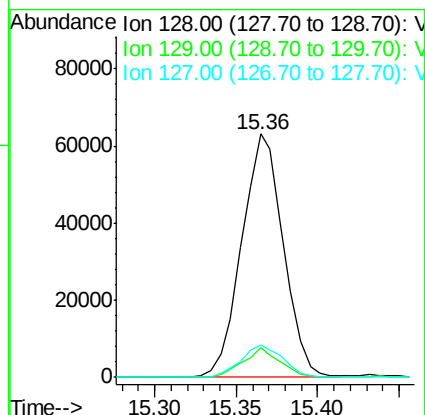
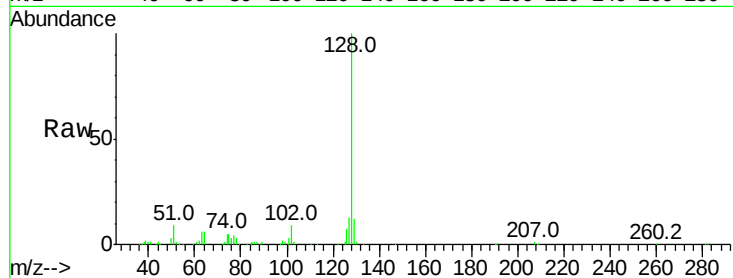
Tgt Ion:128 Resp: 111763

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.6 10.5 15.7



#70

1,2,3-Trichlorobenzene

Concen: 4.894 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014766.D

Acq: 27 Jan 2020 14:12

Tgt Ion:180 Resp: 62915

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 31.1 24.3 36.5

