

Data File : VW011103.D
Acq On : 02 Jul 2019 10:47
Operator : SY/VA
Sample : VSTD05016
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

Quant Time: Jul 02 11:21:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 10:47:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	351452	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321456	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158527	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	269323	59.12	ug/L	0.00
7) Chloroethane-d5	2.88	69	192318	54.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	568574	52.81	ug/L	0.00
20) 2-Butanone-d5	7.07	46	233504	109.15	ug/L	0.00
24) Chloroform-d	7.65	84	478258	50.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	296968	50.54	ug/L	0.00
29) Benzene-d6	8.27	84	972543	50.39	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	319222	50.06	ug/L	0.00
37) Toluene-d8	10.32	98	882508	50.68	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	143999	51.02	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	168658	117.68	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	279452	53.17	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	301316	50.35	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	221596	44.856	ug/L	95
3) Chloromethane	2.21	50	224464	42.735	ug/L	100
5) Vinyl chloride	2.36	62	292244	46.535	ug/L	98
6) Bromomethane	2.78	94	140156	45.215	ug/L	99
8) Chloroethane	2.92	64	157242	47.277	ug/L	100
9) Trichlorofluoromethane	3.24	101	102940	48.538	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	233273	47.328	ug/L	99
12) 1,1-Dichloroethene	4.04	96	229550	46.661	ug/L	93
13) Acetone	4.12	43	177786	86.781	ug/L	100
14) Carbon disulfide	4.38	76	664853	45.646	ug/L	100
15) Methyl Acetate	4.67	43	184851	52.126	ug/L	98
16) Methylene chloride	4.92	84	242246	46.540	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	373379	48.475	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	228864	46.264	ug/L	99
19) 1,1-Dichloroethane	6.21	63	472896	46.804	ug/L	99
21) 2-Butanone	7.17	43	273396	101.474	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	253201	47.571	ug/L	99
23) Bromochloromethane	7.51	128	107557	47.513	ug/L	97
25) Chloroform	7.67	83	441665	47.644	ug/L	100
27) 1,2-Dichloroethane	8.40	62	343918	47.346	ug/L	100
30) Cyclohexane	7.95	56	488871	45.990	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	327467	46.840	ug/L	100
32) Carbon tetrachloride	8.07	117	311312	47.143	ug/L	99
34) Benzene	8.32	78	987289	46.738	ug/L	100
35) Trichloroethene	9.09	95	246656	46.045	ug/L	99
36) Methylcyclohexane	9.34	83	451174	45.886	ug/L	99
40) 1,2-Dichloropropane	9.37	63	273224	46.993	ug/L	100
41) Bromodichloromethane	9.64	83	328303	48.117	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	432112	48.313	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	558214	103.460	ug/L	99

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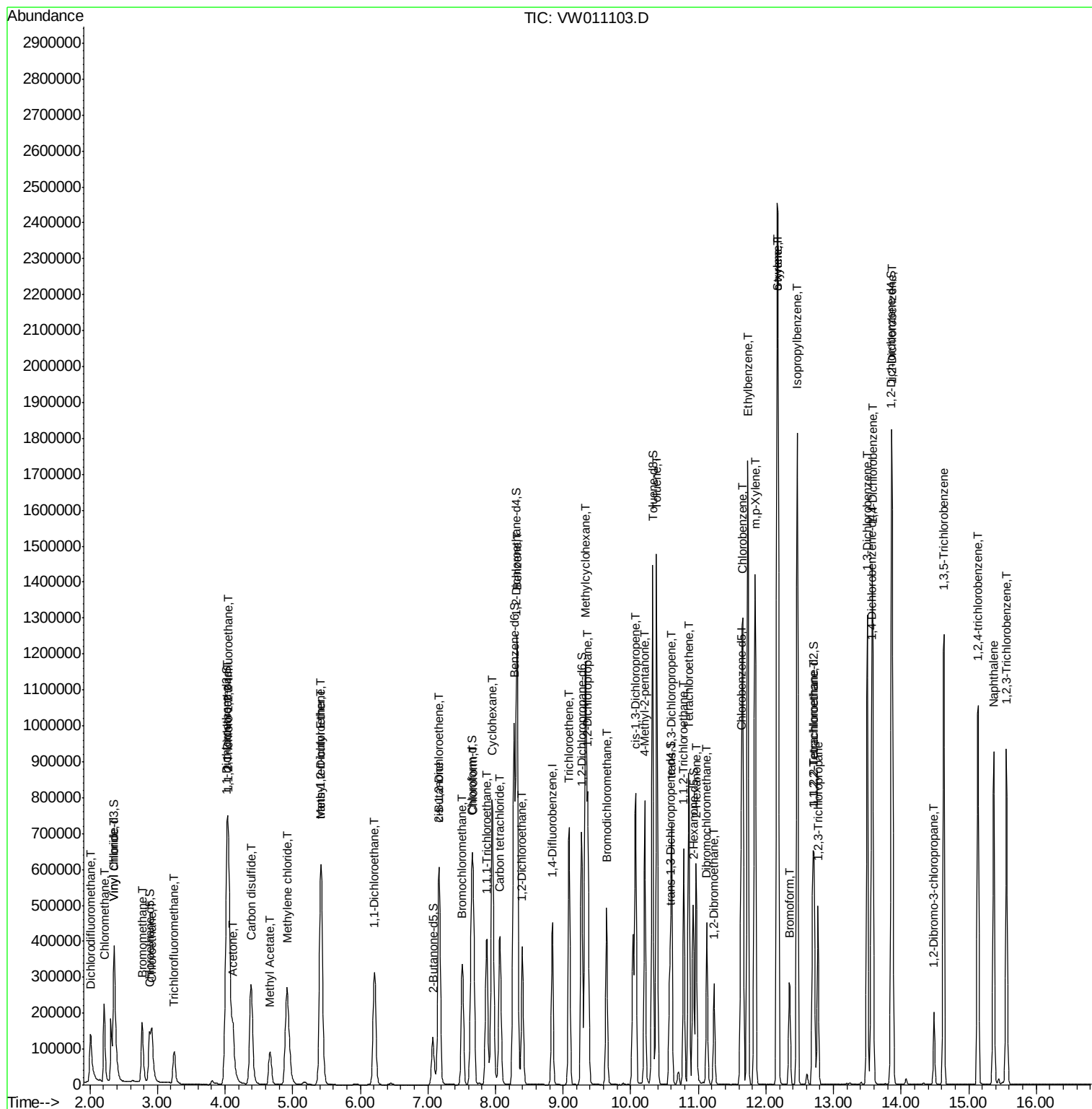
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1037813	46.985	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	363332	49.143	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	195471	49.056	ug/L	98
47) Tetrachloroethene	10.86	164	183542	45.178	ug/L	99
49) 2-Hexanone	10.97	43	409325	106.636	ug/L	100
50) Dibromochloromethane	11.13	129	218431	49.786	ug/L	100
51) 1,2-Dibromoethane	11.24	107	190792	49.513	ug/L	95
52) Chlorobenzene	11.66	112	626371	47.125	ug/L	99
53) Ethylbenzene	11.73	91	1174595	47.201	ug/L	99
54) m,p-Xylene	11.84	106	428991	47.506	ug/L	99
55) o-xylene	12.16	106	413803	47.755	ug/L	99
56) Styrene	12.18	104	723350	48.408	ug/L	100
57) Isopropylbenzene	12.46	105	1123517	47.792	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	269915	51.807	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	203089	50.204	ug/L	99
62) Bromoform	12.35	173	128176	50.514	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	483257	46.824	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	494391	47.687	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	455832	47.753	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	49369	50.545	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	372663	47.439	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	324943	48.807	ug/L	99
69) Naphthalene	15.37	128	746005	52.509	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	296479	49.025	ug/L	99

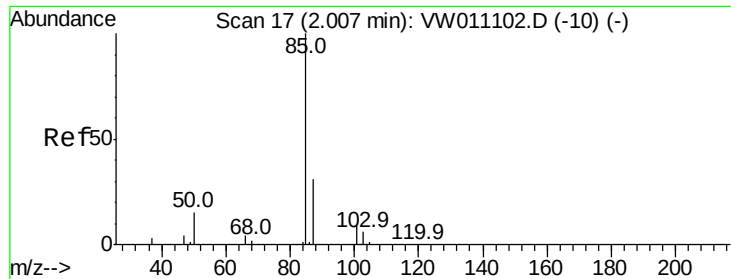
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.856 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

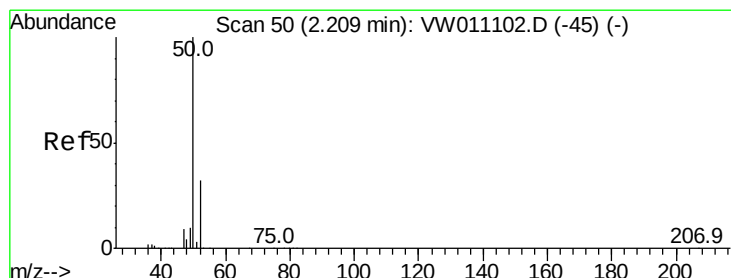
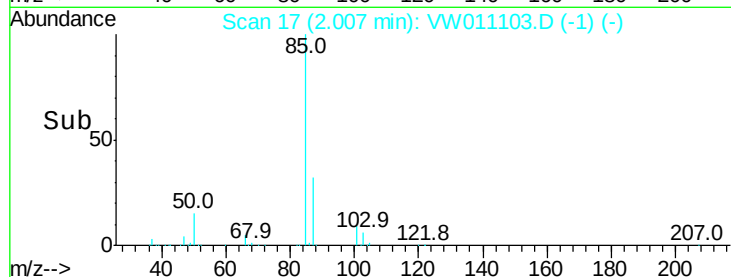
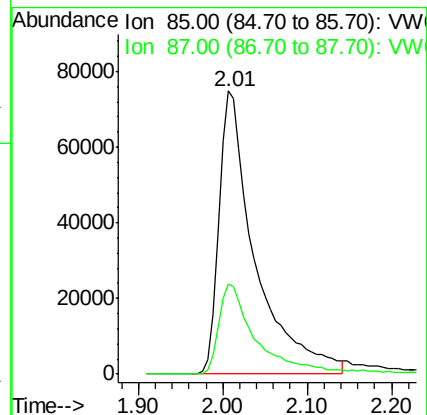
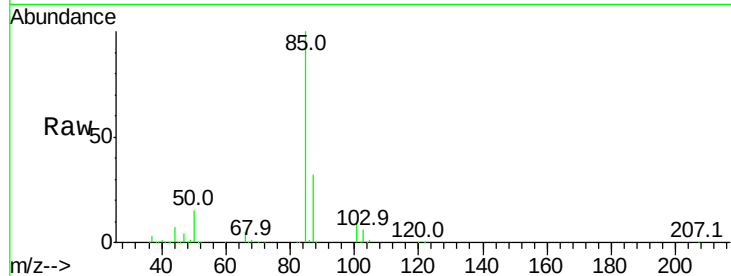
VSTD05006

Tgt Ion: 85 Resp: 221596

Ion Ratio Lower Upper

85 100

87 31.9 20.6 38.4



#3

Chloromethane

Concen: 42.735 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011103.D

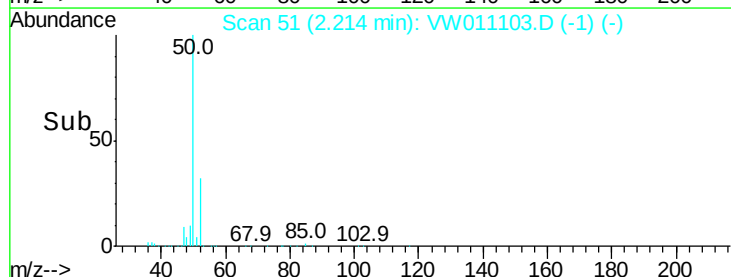
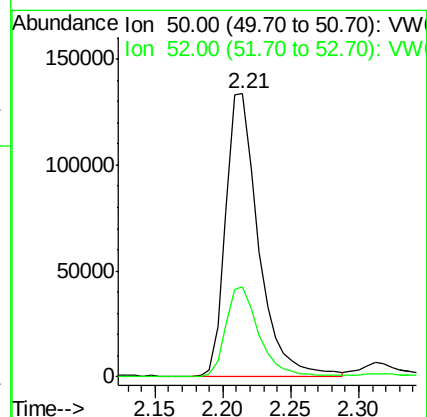
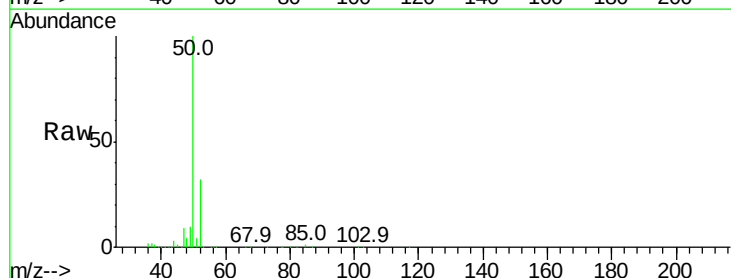
Acq: 02 Jul 2019 10:47

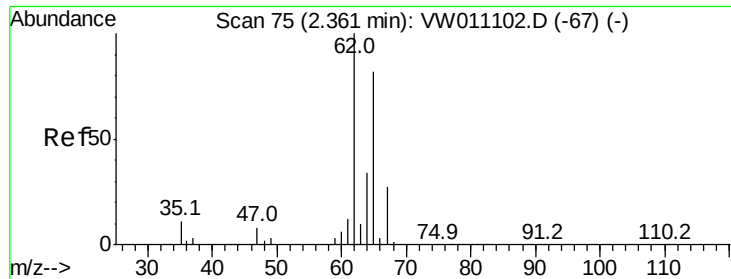
Tgt Ion: 50 Resp: 224464

Ion Ratio Lower Upper

50 100

52 31.7 22.3 41.5





#5

Vinyl chloride

Concen: 46.535 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

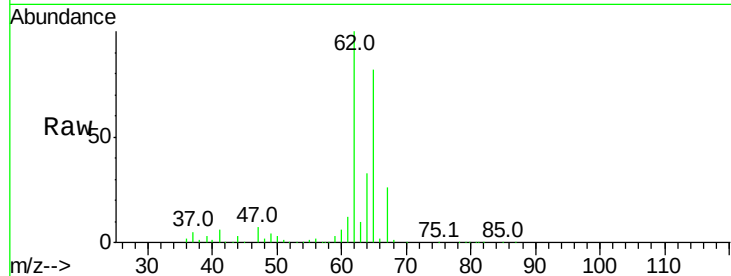
VSTD05006

Tgt Ion: 62 Resp: 292244

Ion Ratio Lower Upper

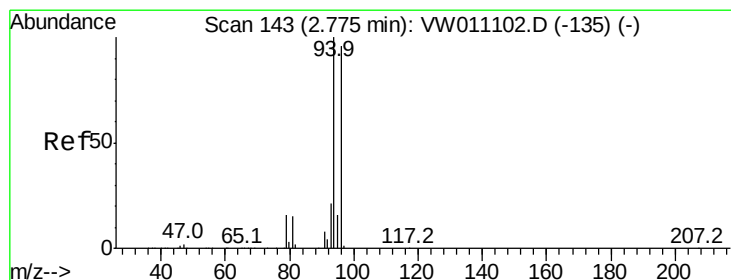
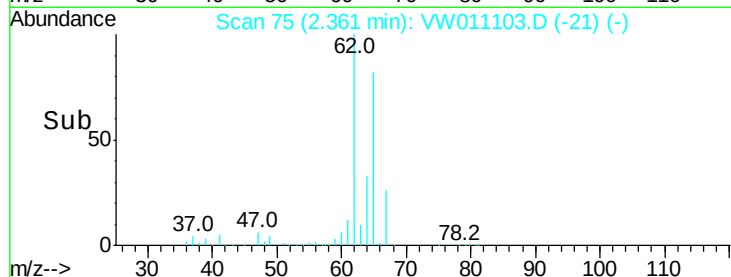
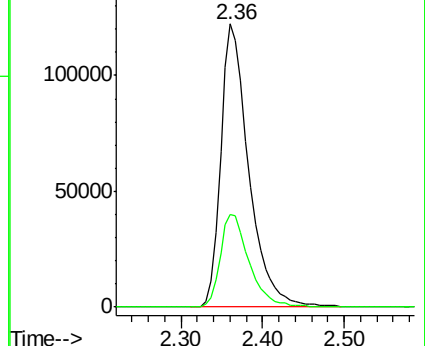
62 100

64 32.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 45.215 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011103.D

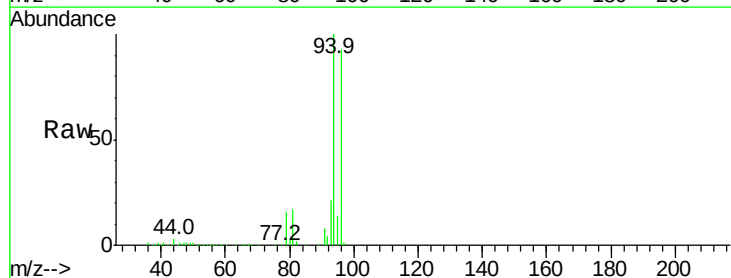
Acq: 02 Jul 2019 10:47

Tgt Ion: 94 Resp: 140156

Ion Ratio Lower Upper

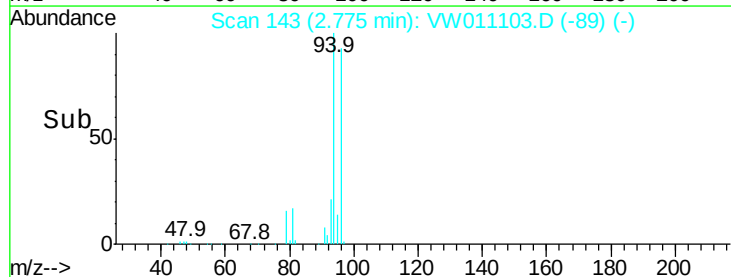
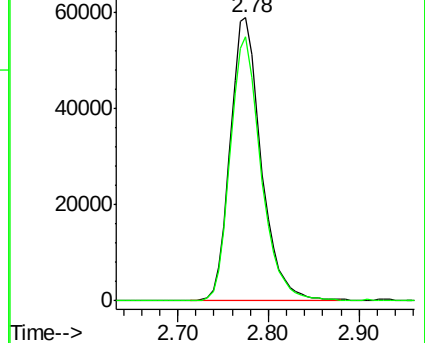
94 100

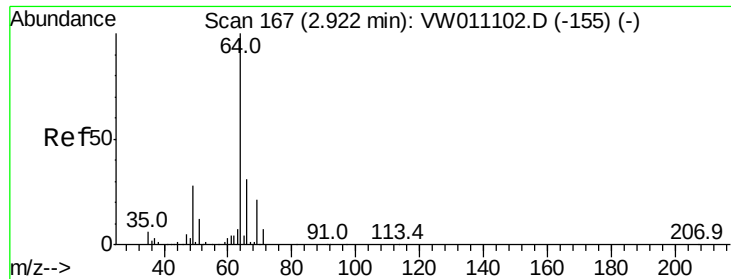
96 92.5 9.3 177.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 47.277 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

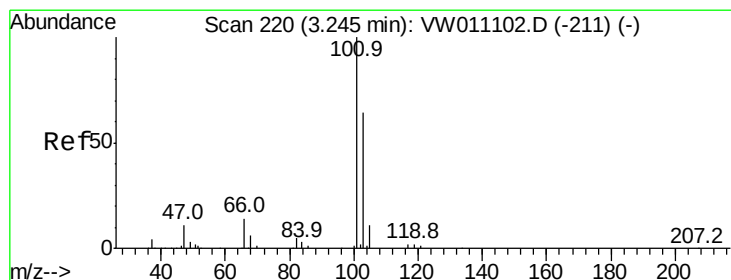
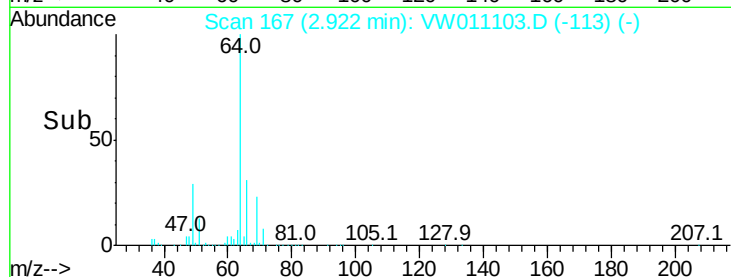
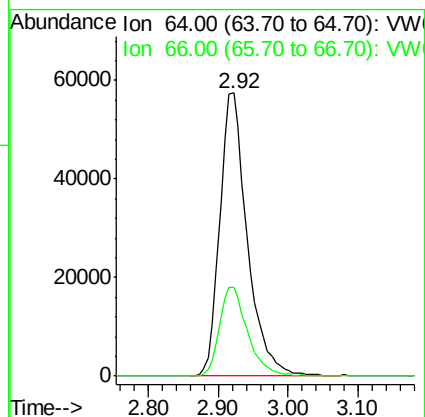
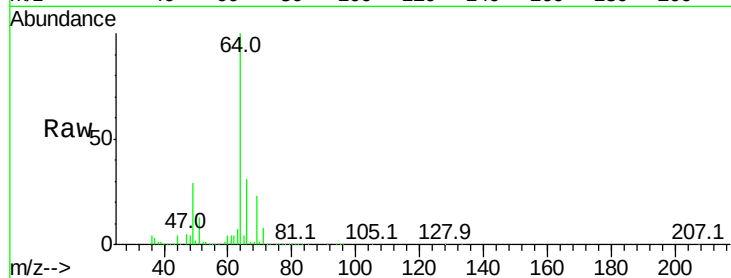
VSTD05006

Tgt Ion: 64 Resp: 157242

Ion Ratio Lower Upper

64 100

66 31.2 21.9 40.7



#9

Trichlorofluoromethane

Concen: 48.538 ug/L

RT: 3.24 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW011103.D

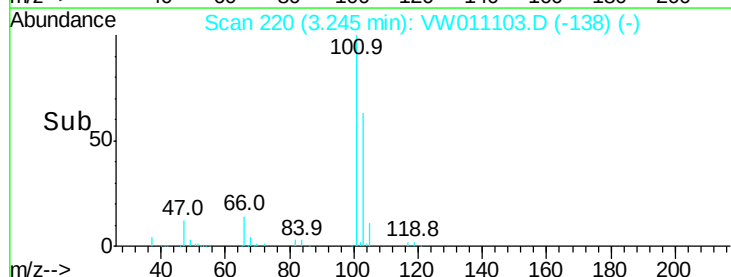
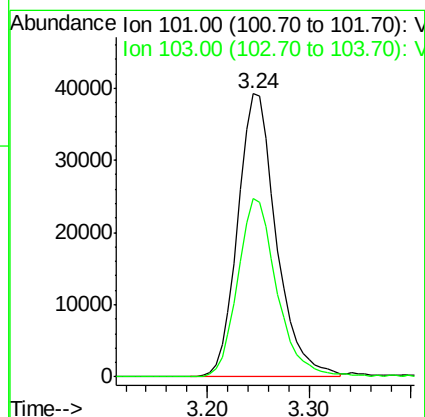
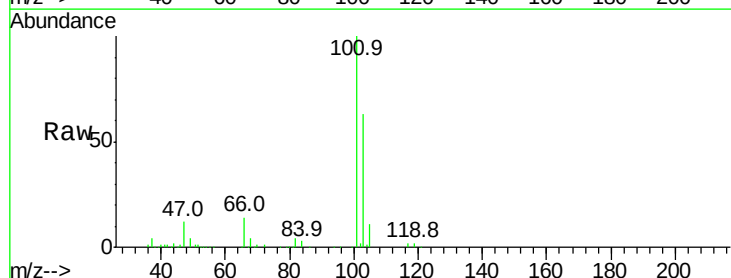
Acq: 02 Jul 2019 10:47

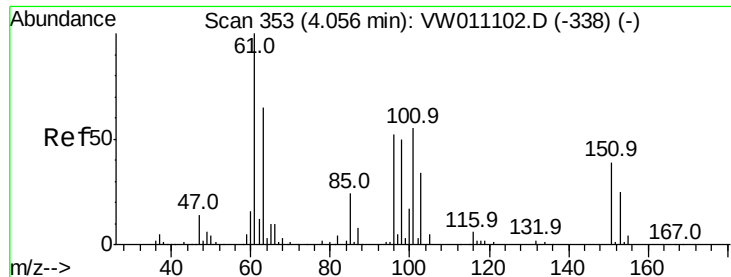
Tgt Ion: 101 Resp: 102940

Ion Ratio Lower Upper

101 100

103 64.0 44.6 82.8





#11

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

Concen: 47.328 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

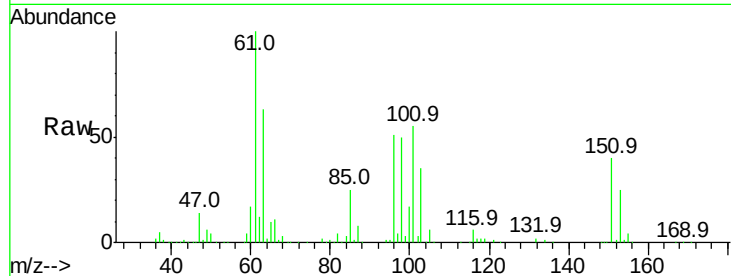
Tgt Ion: 101 Resp: 233273

Ion Ratio Lower Upper

101 100

85 44.3 33.8 50.8

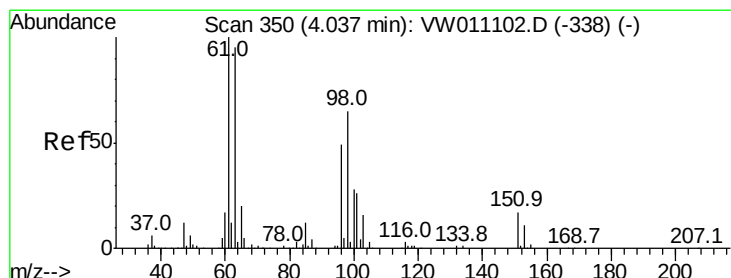
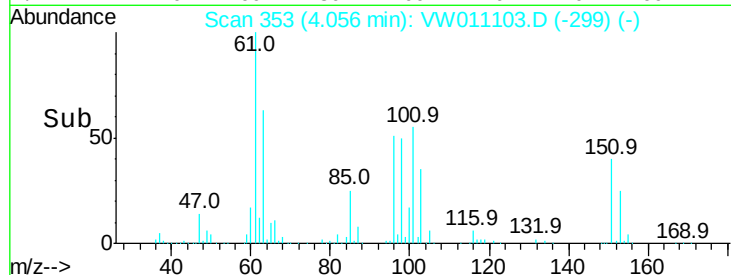
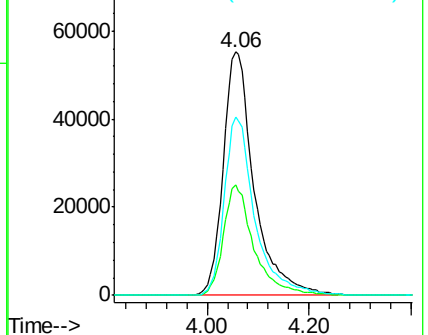
151 71.4 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.661 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

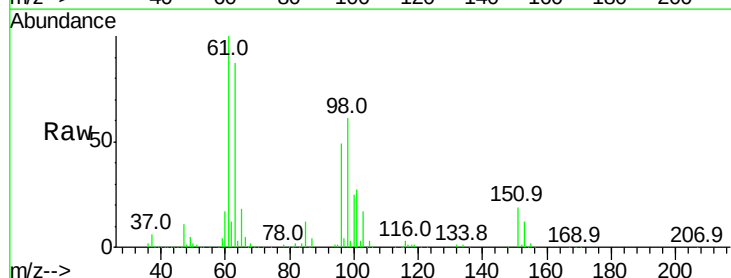
Tgt Ion: 96 Resp: 229550

Ion Ratio Lower Upper

96 100

61 205.1 142.2 264.0

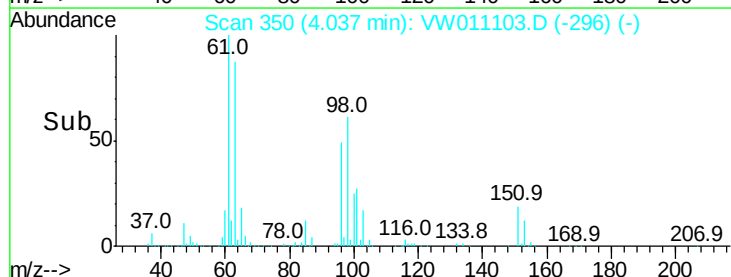
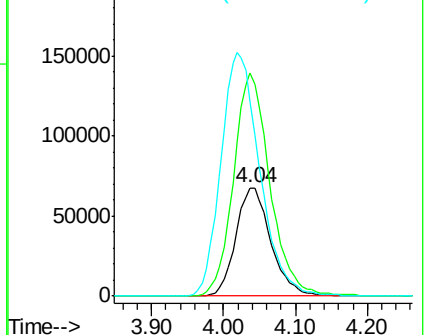
63 179.1 138.9 257.9

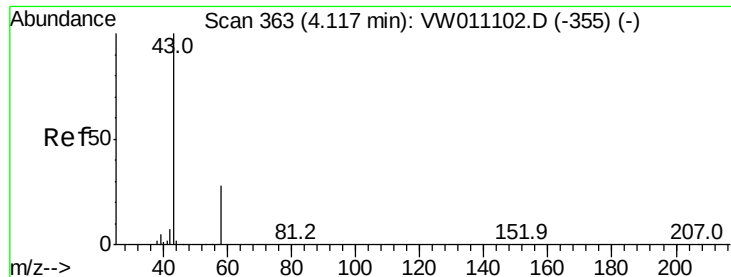


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 86.781 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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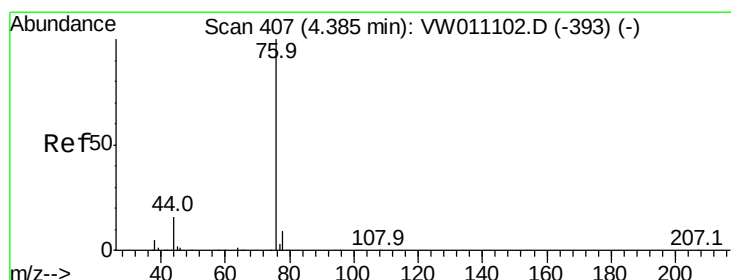
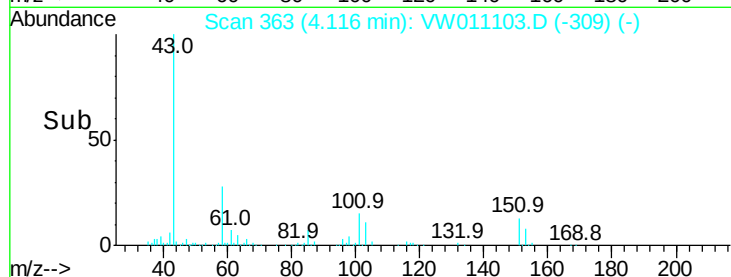
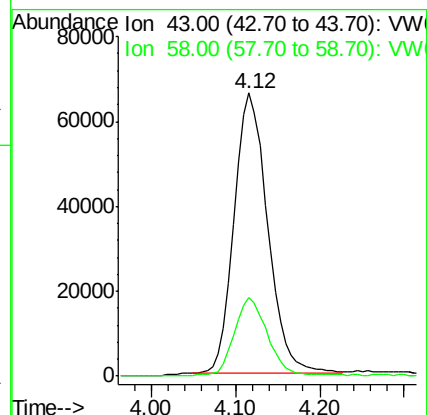
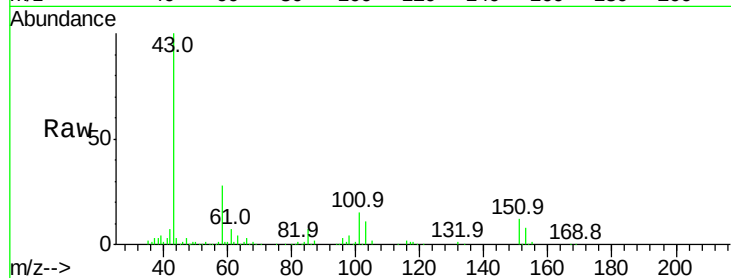
VSTD05006

Tgt Ion: 43 Resp: 177786

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.0



#14

Carbon disulfide

Concen: 45.646 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011103.D

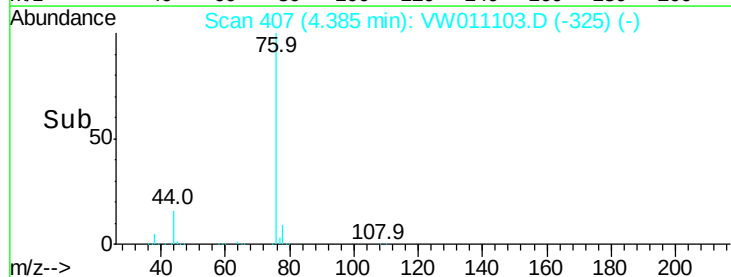
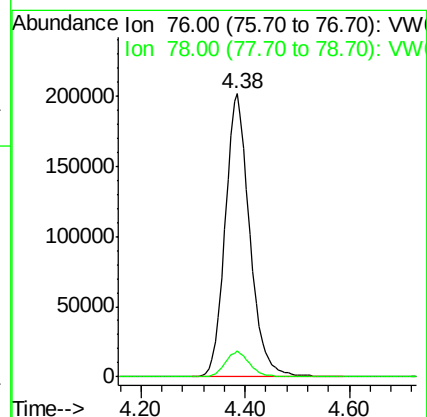
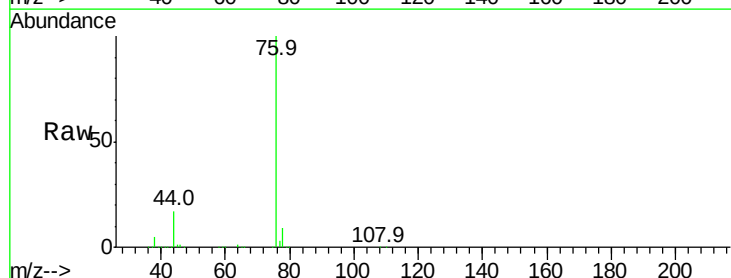
Acq: 02 Jul 2019 10:47

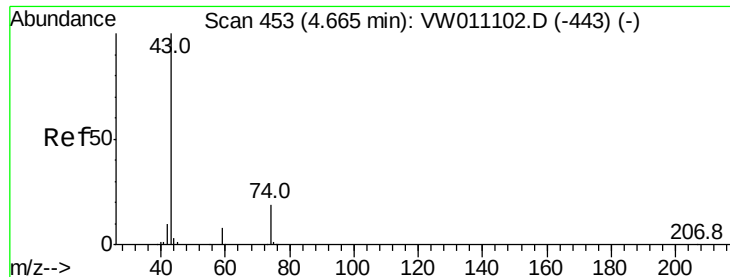
Tgt Ion: 76 Resp: 664853

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 52.126 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

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Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

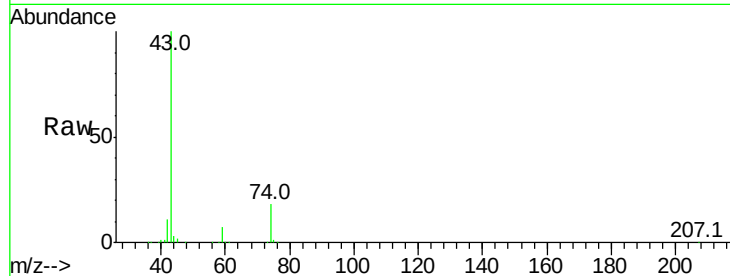
VSTD05006

Tgt Ion: 43 Resp: 184851

Ion Ratio Lower Upper

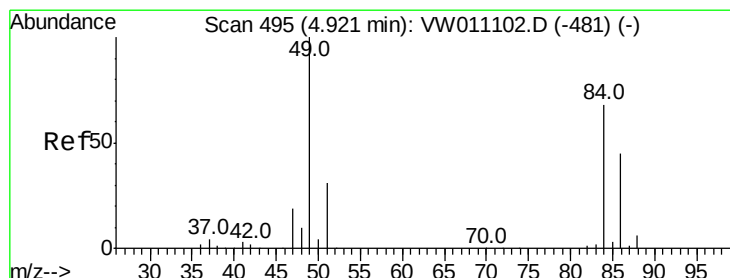
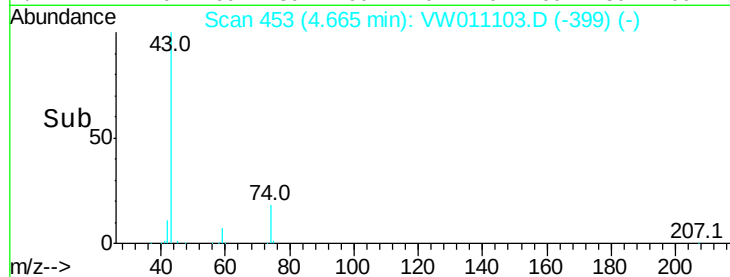
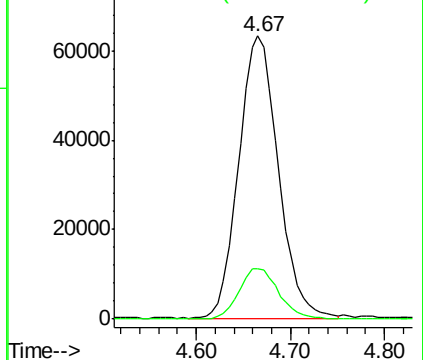
43 100

74 18.0 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 46.540 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

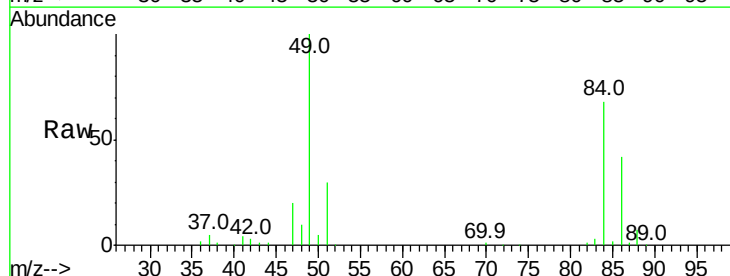
Tgt Ion: 84 Resp: 242246

Ion Ratio Lower Upper

84 100

49 147.1 102.5 190.3

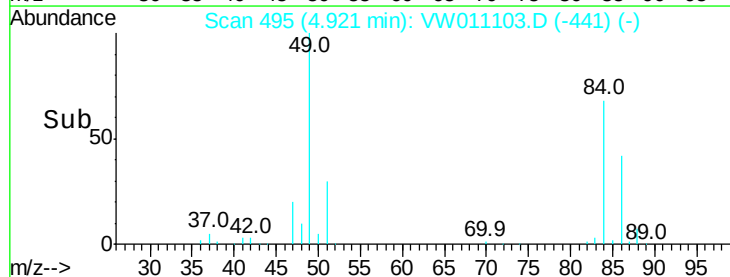
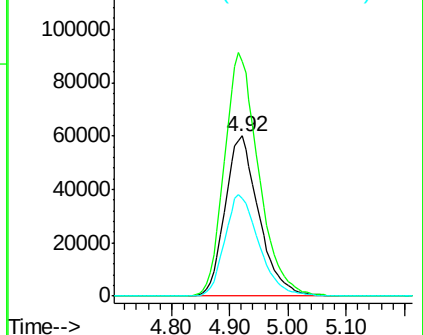
86 61.1 46.4 86.2

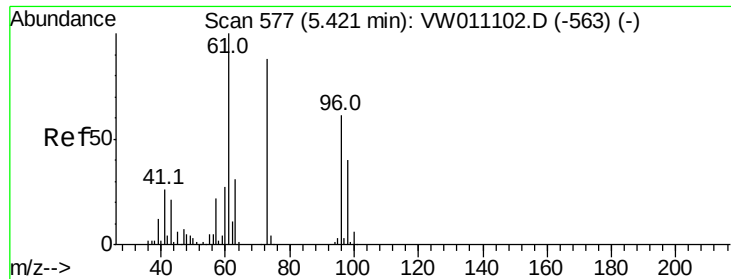


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

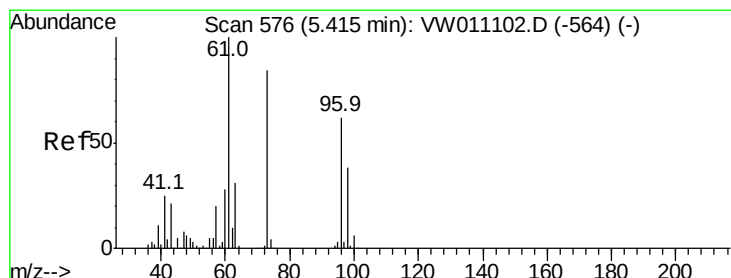
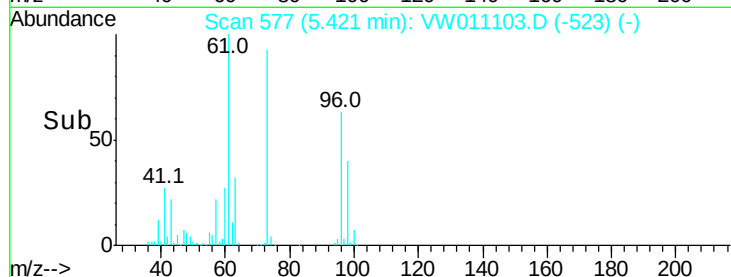
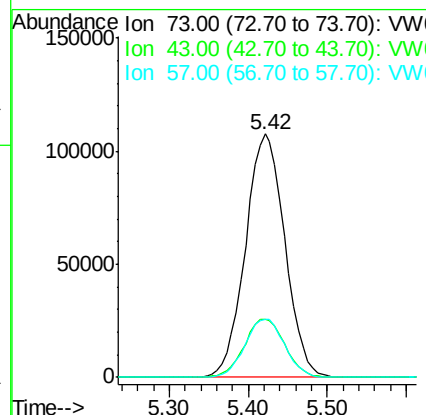
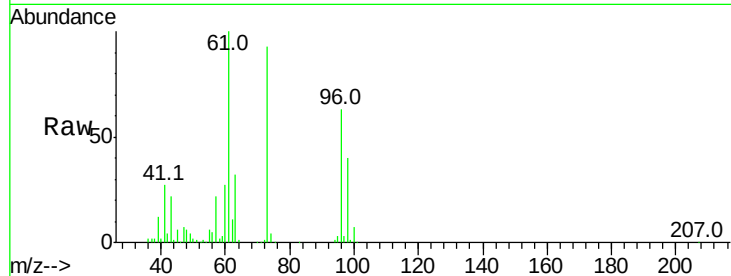




#17
Methyl tert-butyl Ether
Concen: 48.475 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

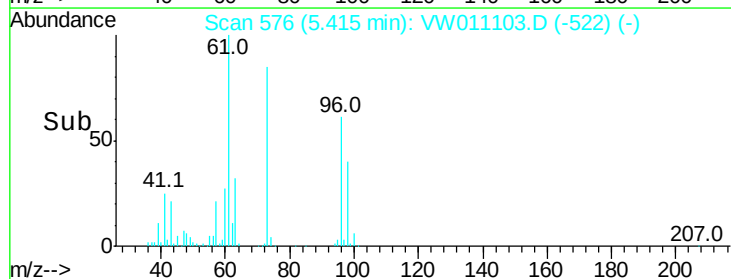
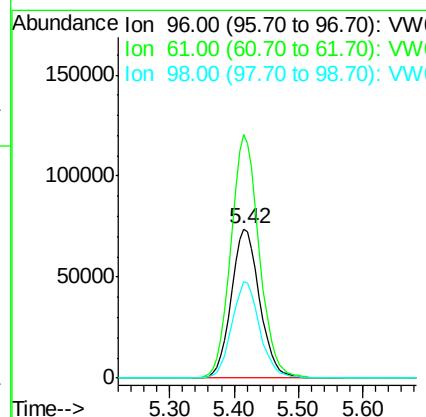
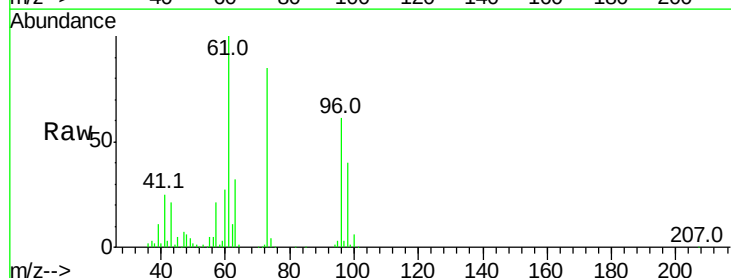
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

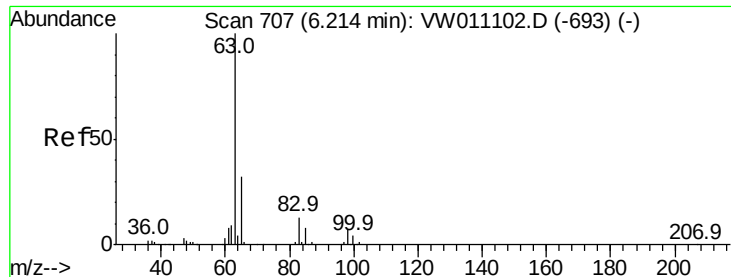
Tgt Ion: 73 Resp: 373379
Ion Ratio Lower Upper
73 100
43 24.4 20.2 30.2
57 24.2 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 46.264 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion: 96 Resp: 228864
Ion Ratio Lower Upper
96 100
61 162.8 113.7 211.1
98 64.4 43.3 80.3

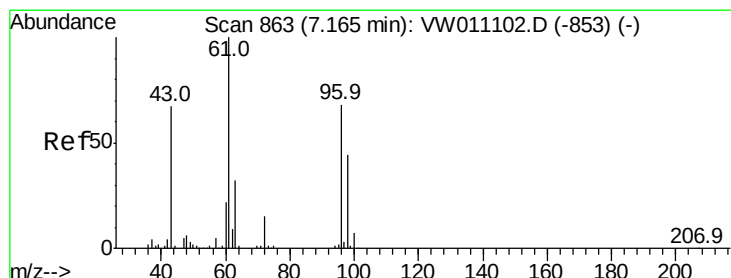
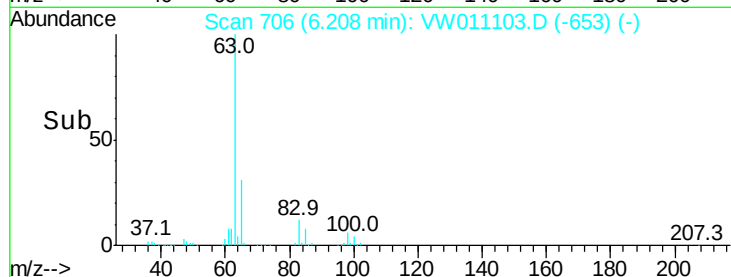
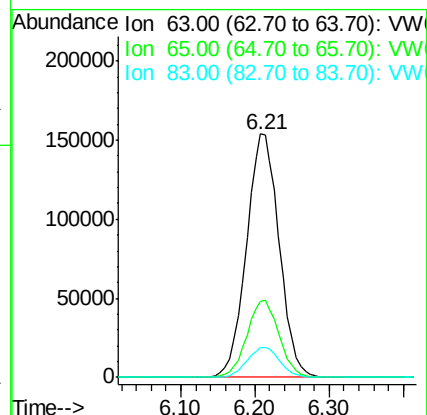
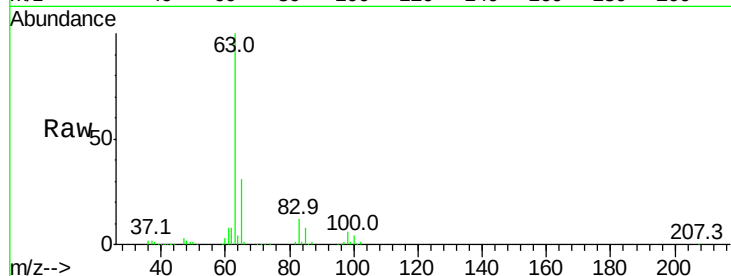




#19
 1,1-Dichloroethane
 Concen: 46.804 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

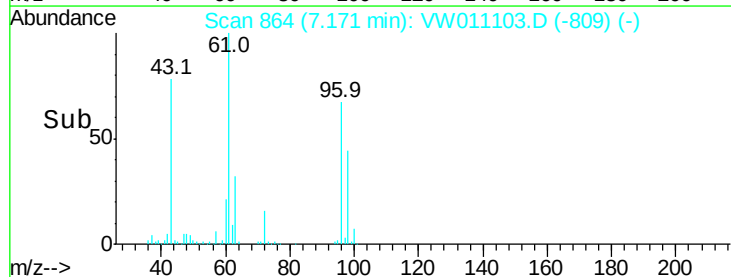
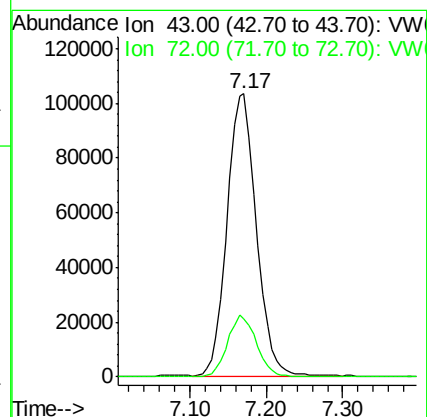
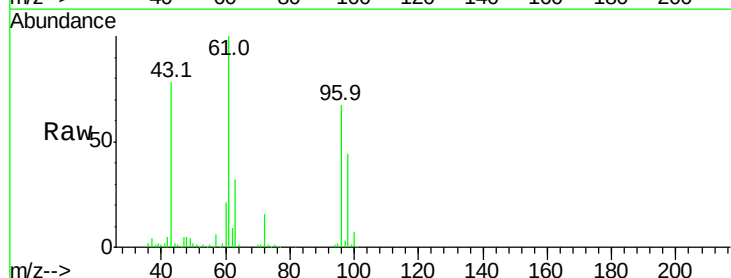
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05006

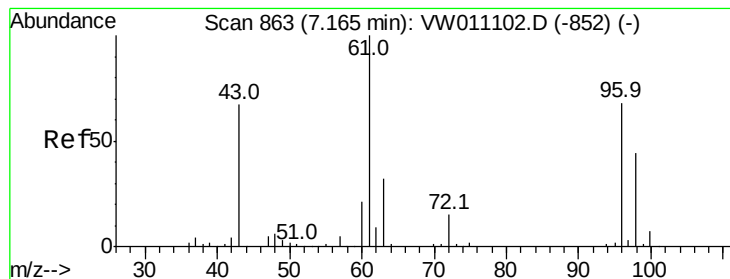
Tgt Ion: 63 Resp: 472896
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.1 41.1
 83 12.3 9.0 16.6



#21
 2-Butanone
 Concen: 101.474 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Tgt Ion: 43 Resp: 273396
 Ion Ratio Lower Upper
 43 100
 72 21.7 11.2 33.6



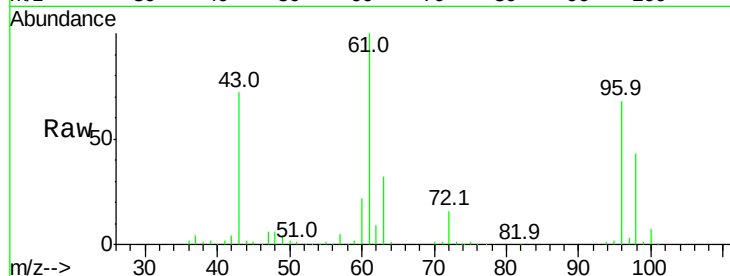


#22

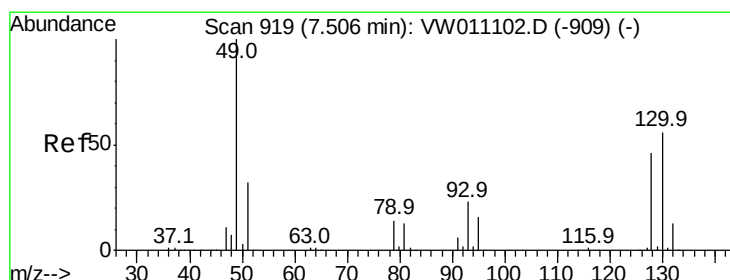
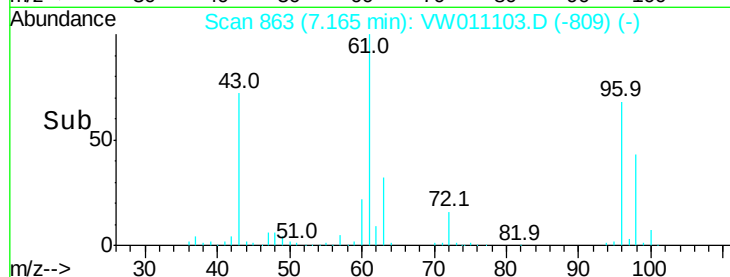
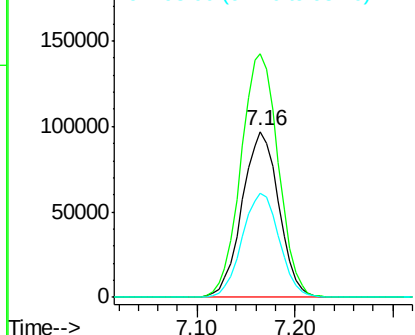
cis-1,2-Dichloroethene
Concen: 47.571 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Instrument :
MSVOA_W
ClientSampled :
VSTD05006

Tgt Ion: 96 Resp: 253201
Ion Ratio Lower Upper
96 100
61 147.1 103.2 191.6
98 62.7 44.8 83.2



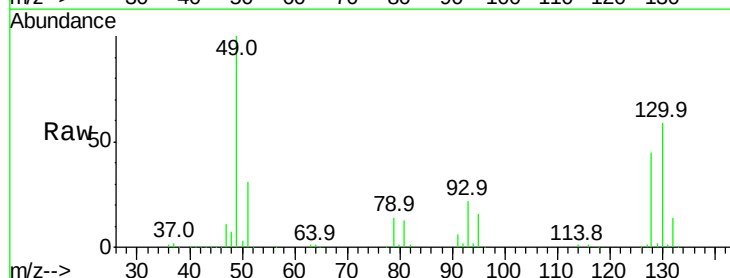
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



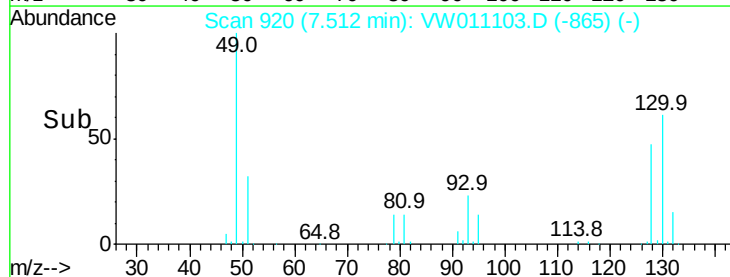
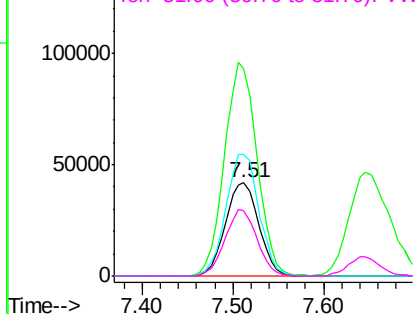
#23

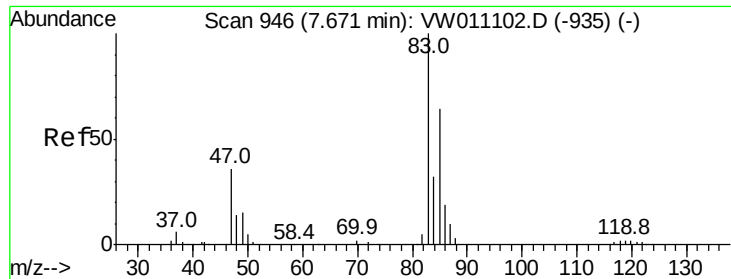
Bromochloromethane
Concen: 47.513 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion: 128 Resp: 107557
Ion Ratio Lower Upper
128 100
49 221.9 153.8 285.6
130 130.1 86.4 160.4
51 69.8 56.2 84.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

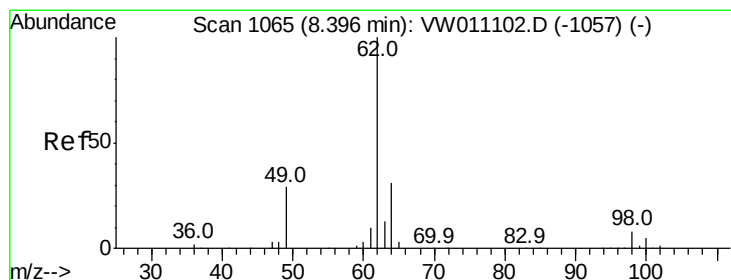
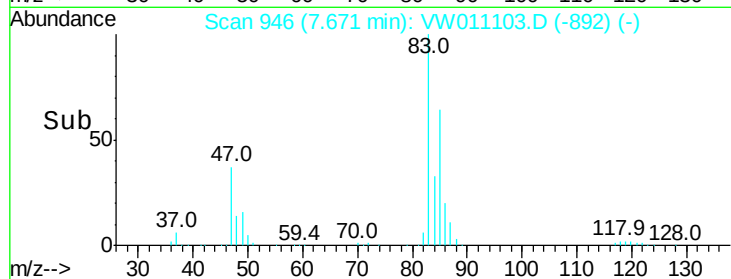
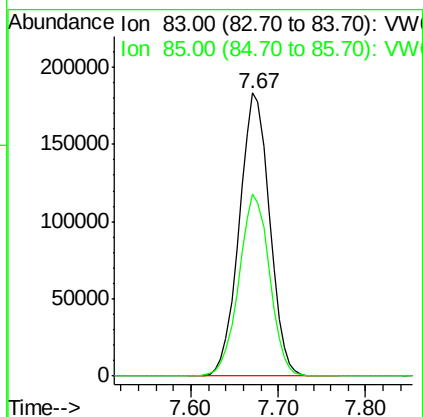
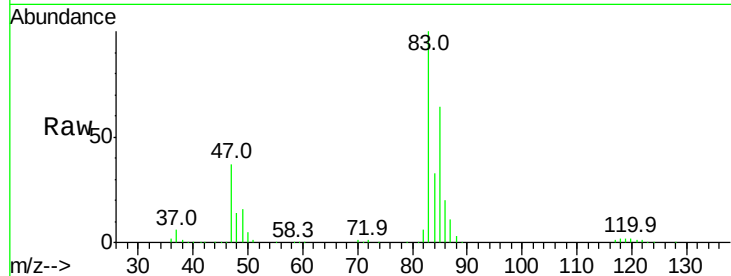




#25
Chloroform
Concen: 47.644 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

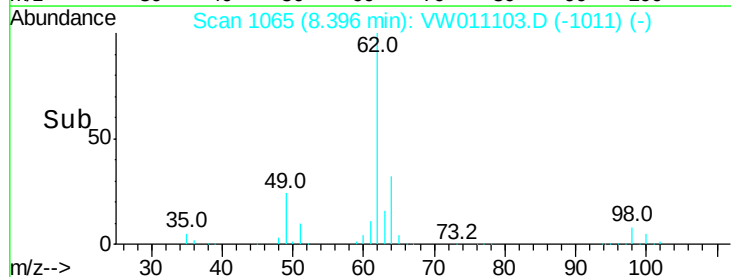
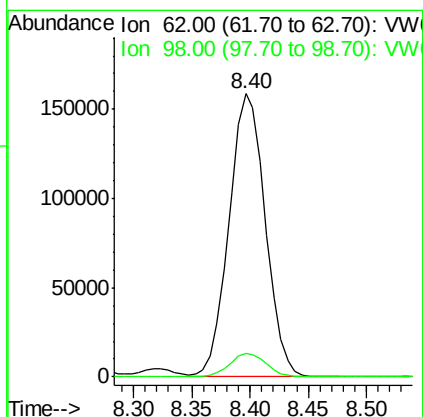
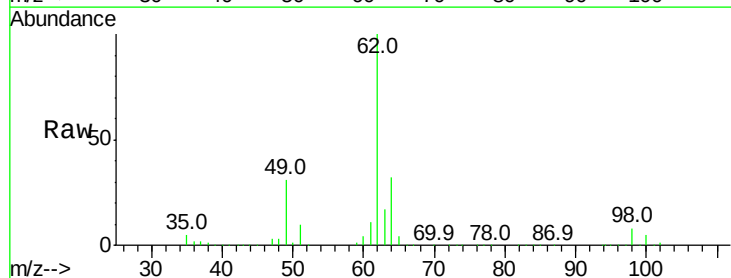
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

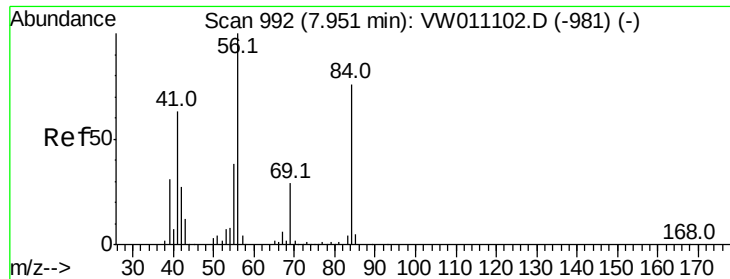
Tgt Ion: 83 Resp: 441665
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.346 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion: 62 Resp: 343918
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

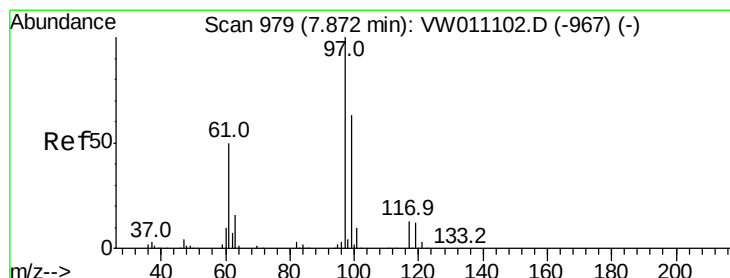
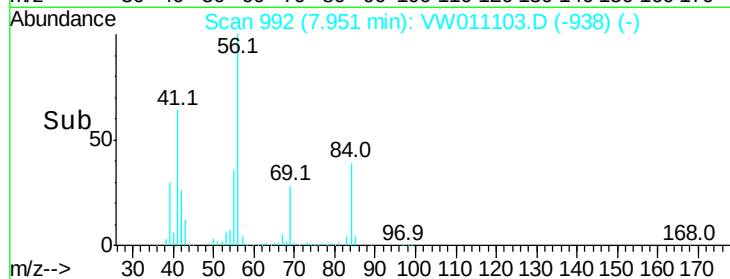
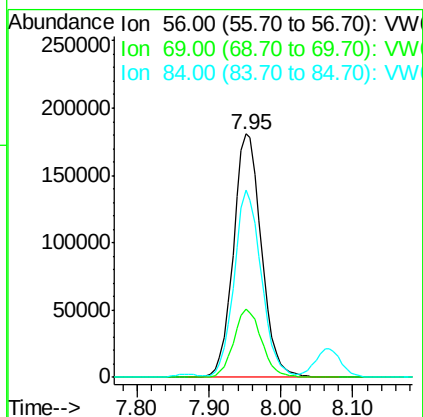
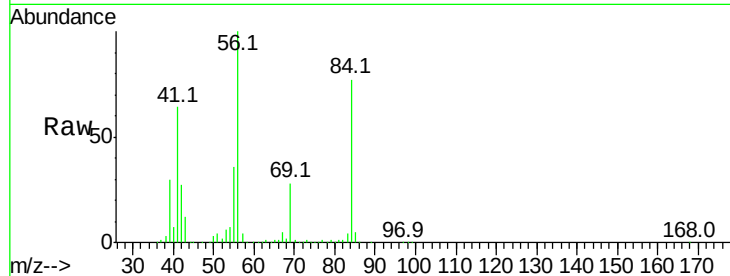




#30
Cyclohexane
Concen: 45.990 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

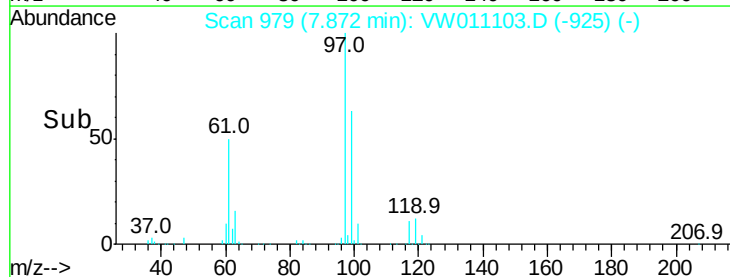
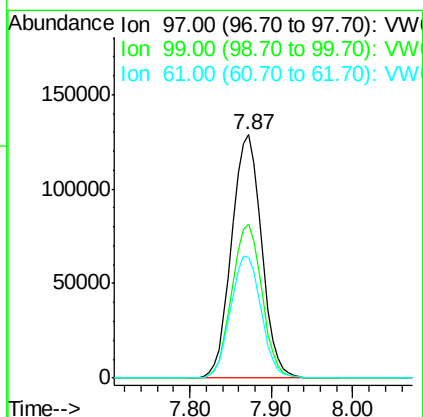
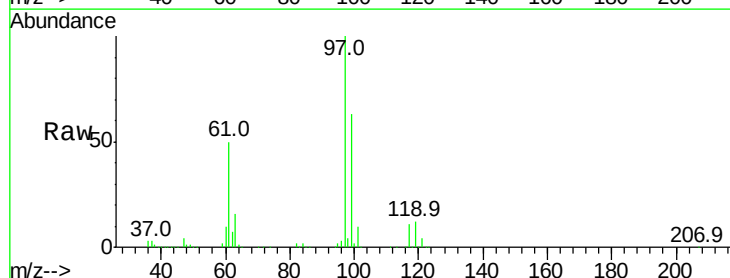
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

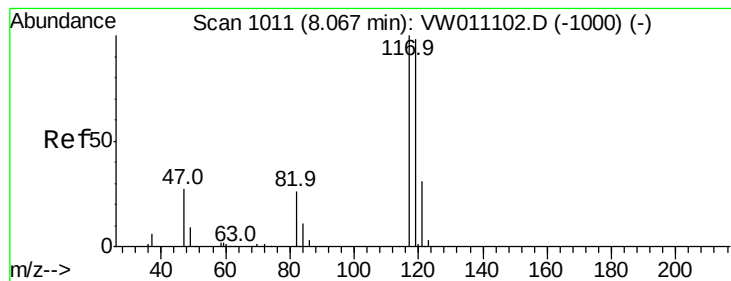
Tgt Ion: 56 Resp: 488871
Ion Ratio Lower Upper
56 100
69 27.8 22.5 33.7
84 75.0 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 46.840 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion: 97 Resp: 327467
Ion Ratio Lower Upper
97 100
99 63.5 50.6 75.8
61 51.4 40.9 61.3





#32

Carbon tetrachloride

Concen: 47.143 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

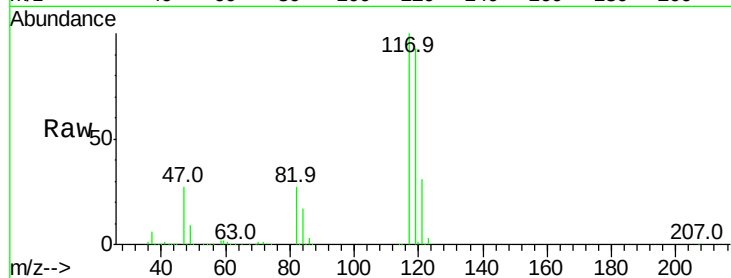
VSTD05006

Tgt Ion:117 Resp: 311312

Ion Ratio Lower Upper

117 100

119 95.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

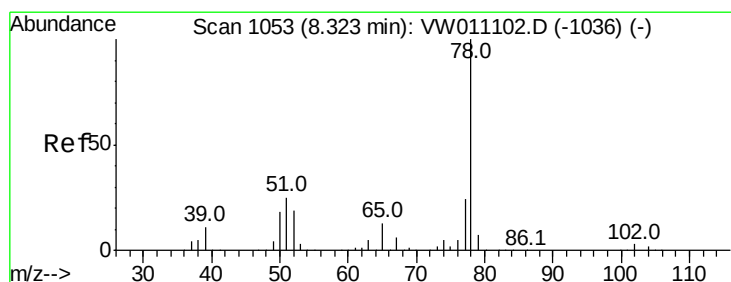
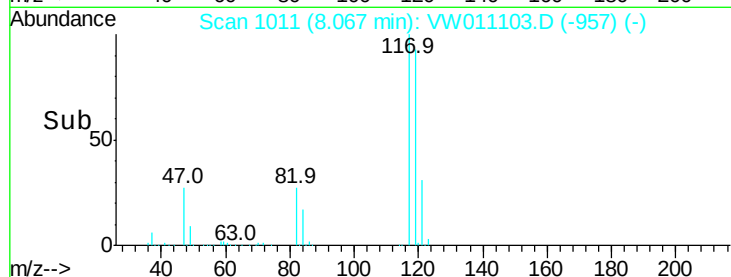
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 46.738 ug/L

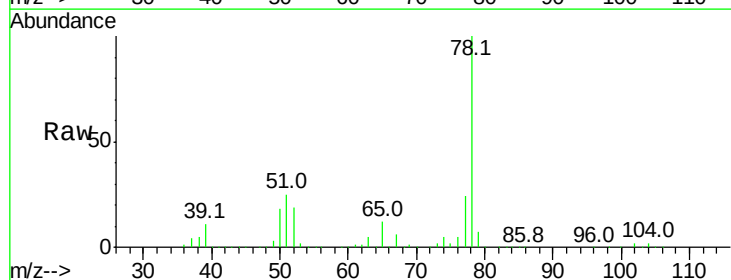
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Tgt Ion: 78 Resp: 987289



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

500000

400000

300000

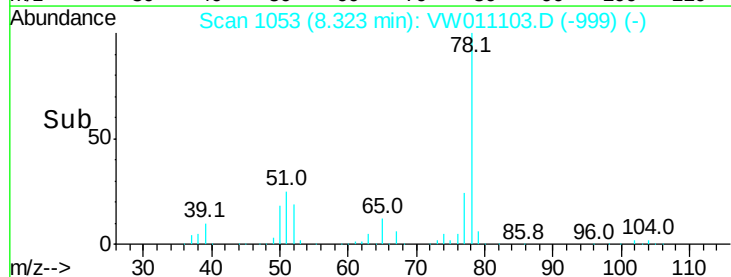
200000

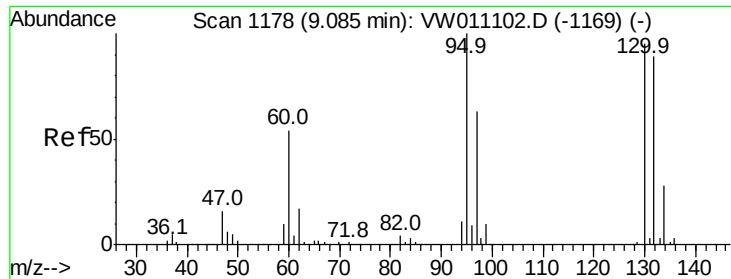
100000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 46.045 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 95 Resp: 246656

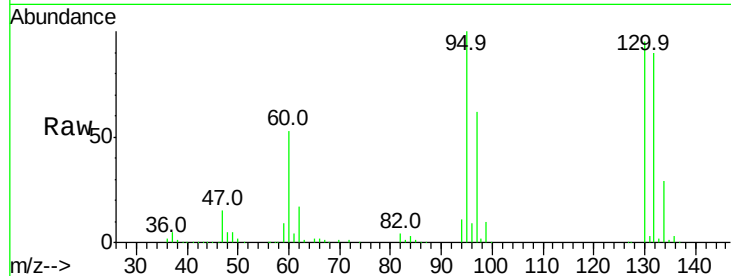
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.2

132 92.2 65.0 120.8

130 95.9 67.8 126.0



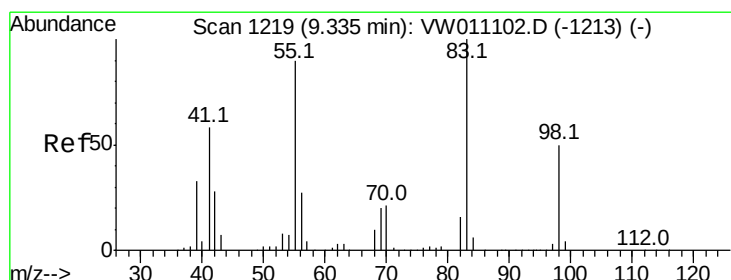
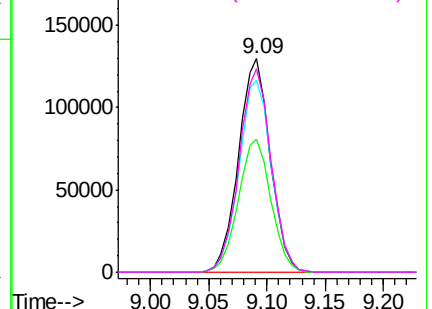
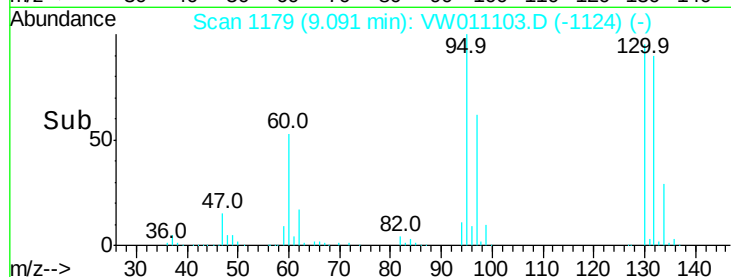
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 45.886 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

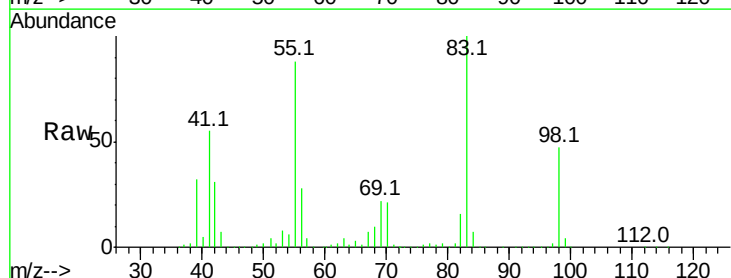
Tgt Ion: 83 Resp: 451174

Ion Ratio Lower Upper

83 100

55 89.4 72.2 108.4

98 47.2 38.2 57.4

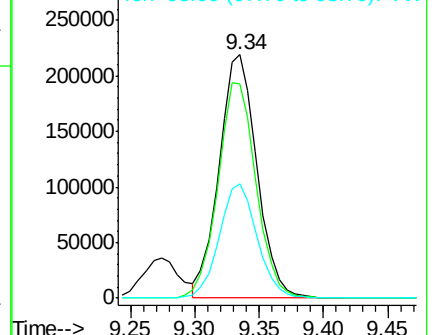
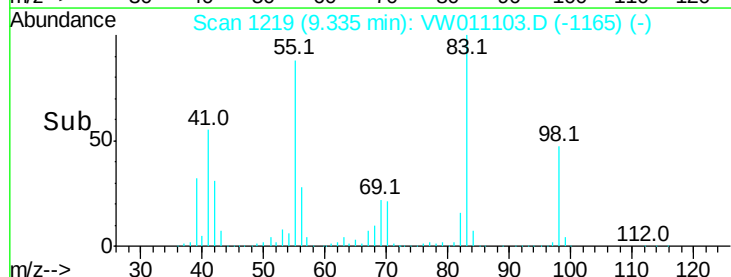


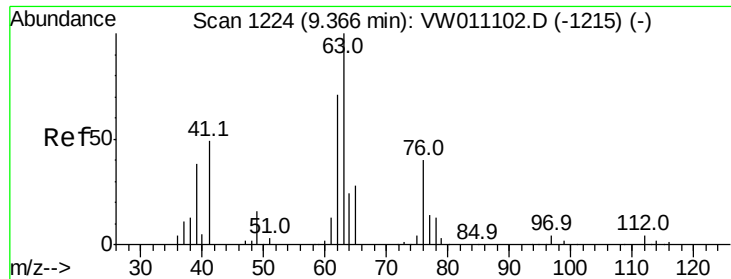
Abundance

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

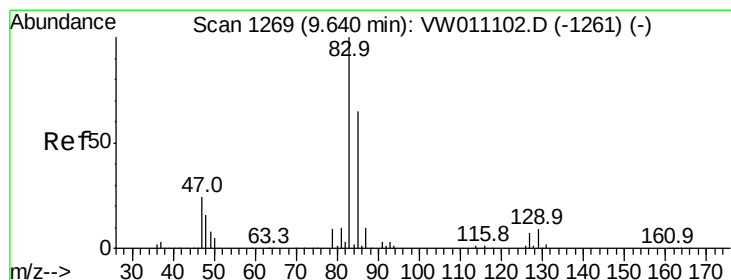
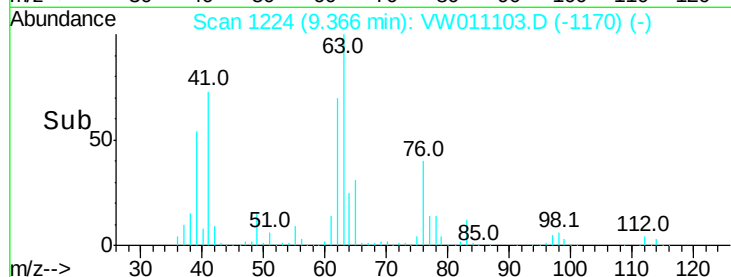
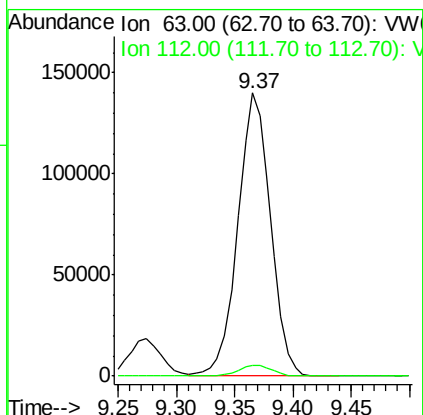
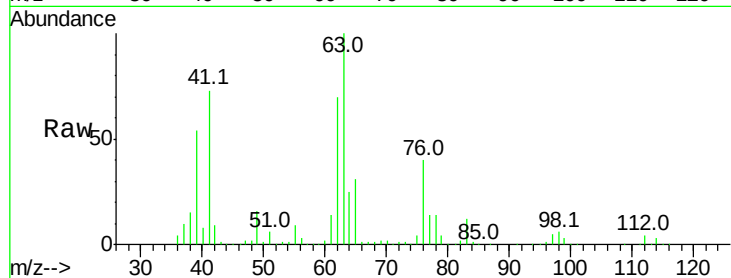




#40
 1,2-Dichloropropane
 Concen: 46.993 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

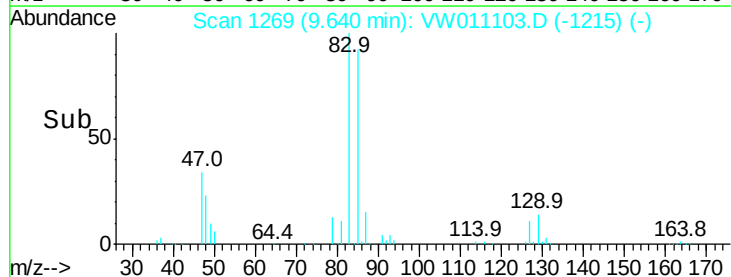
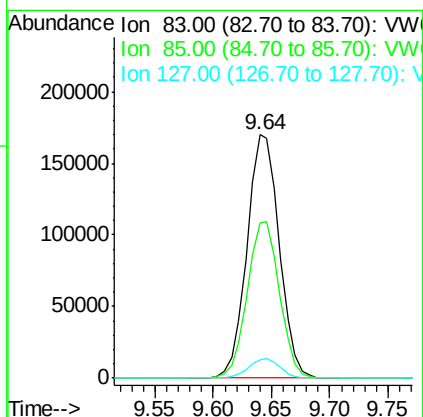
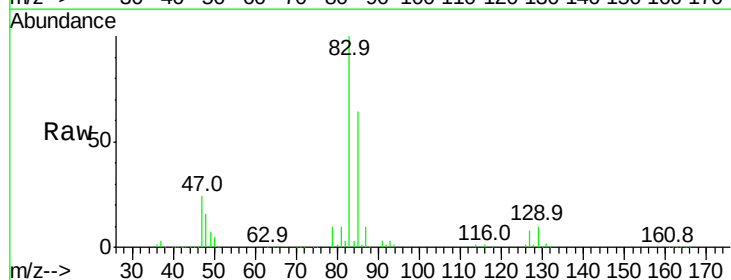
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

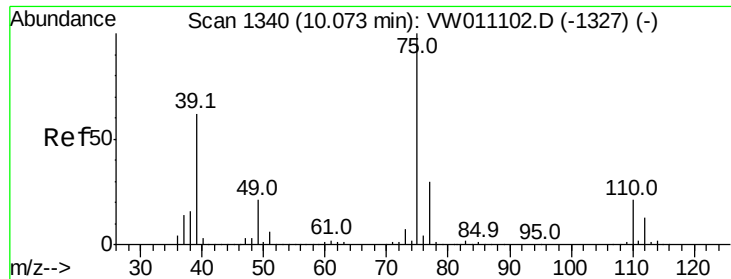
Tgt Ion: 63 Resp: 273224
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#41
 Bromodichloromethane
 Concen: 48.117 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Tgt Ion: 83 Resp: 328303
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.5 84.5
 127 7.5 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 48.313 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

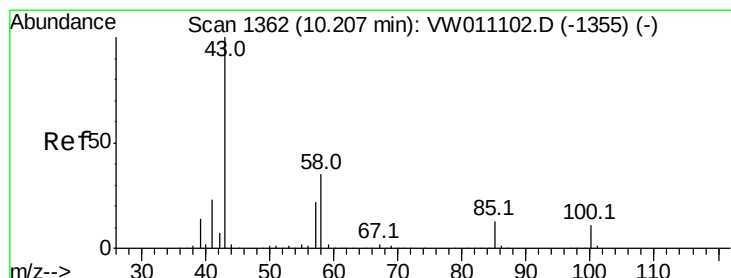
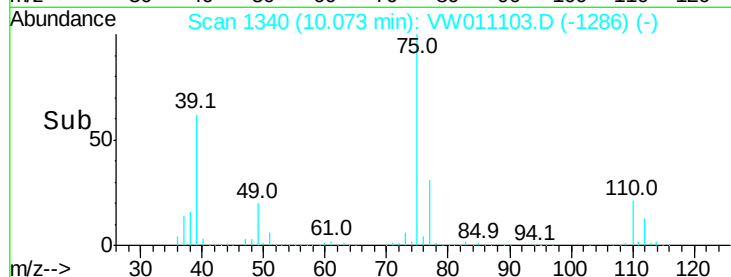
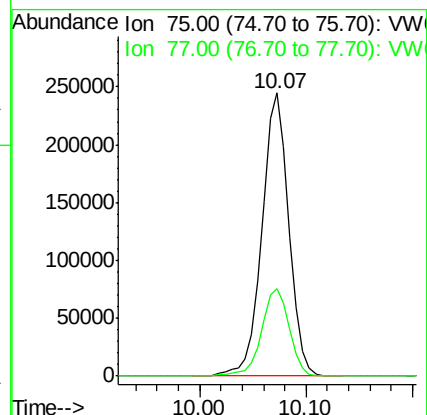
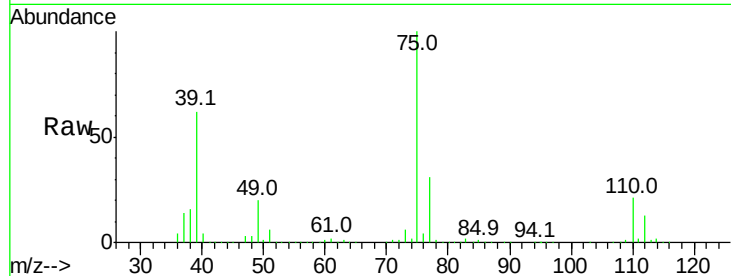
VSTD05006

Tgt Ion: 75 Resp: 432112

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 103.460 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

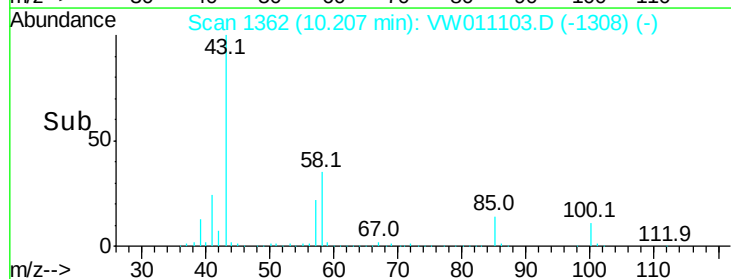
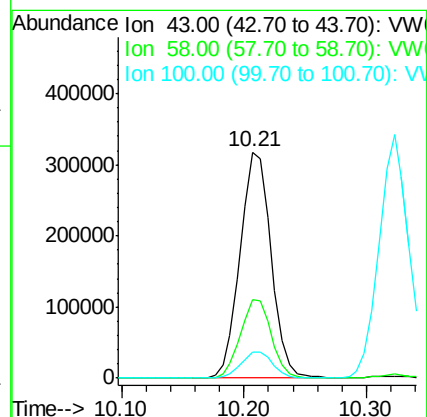
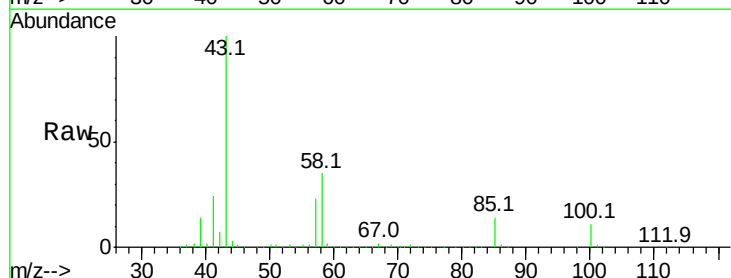
Tgt Ion: 43 Resp: 558214

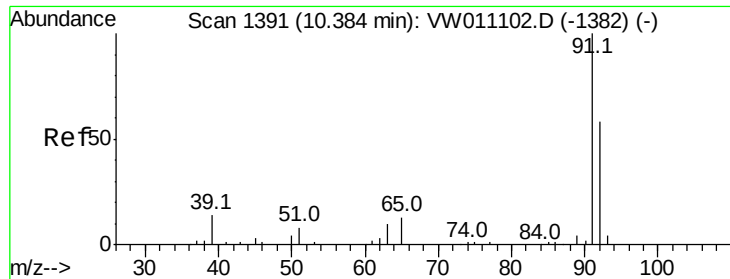
Ion Ratio Lower Upper

43 100

58 34.7 28.1 42.1

100 11.8 9.3 13.9





#44

Toluene

Concen: 46.985 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

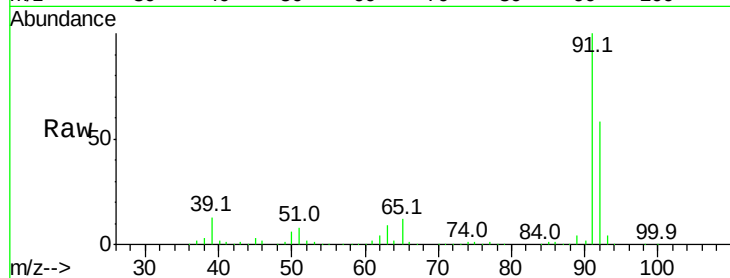
VSTD05006

Tgt Ion: 91 Resp: 1037813

Ion Ratio Lower Upper

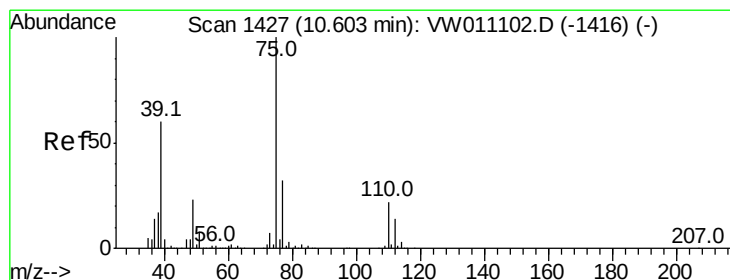
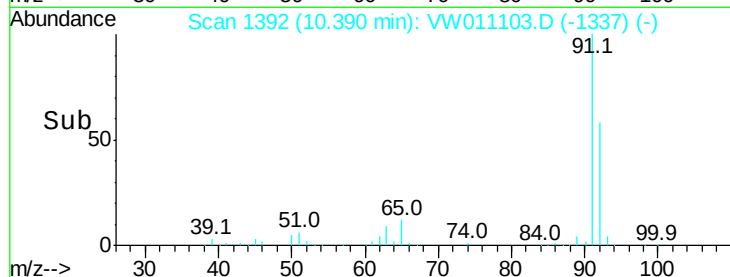
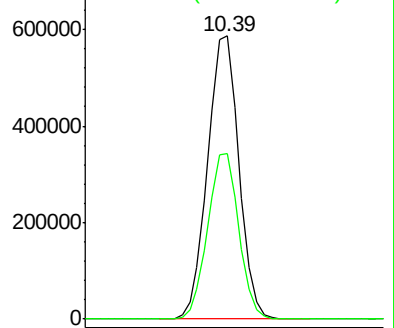
91 100

92 58.3 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 49.143 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011103.D

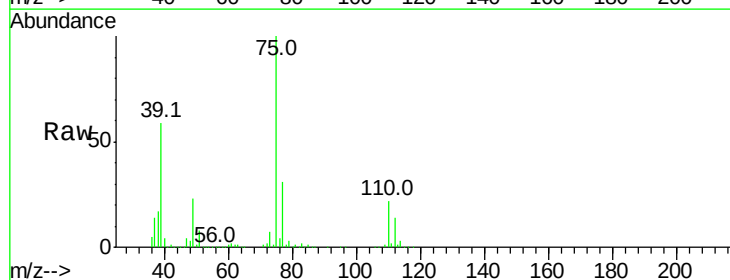
Acq: 02 Jul 2019 10:47

Tgt Ion: 75 Resp: 363332

Ion Ratio Lower Upper

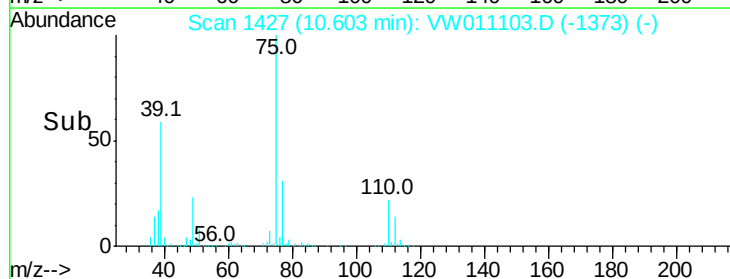
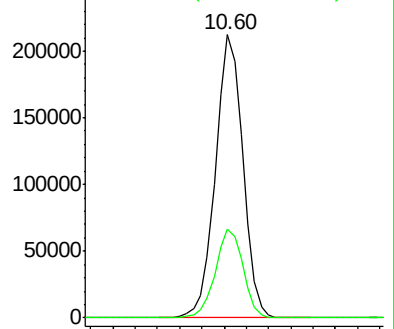
75 100

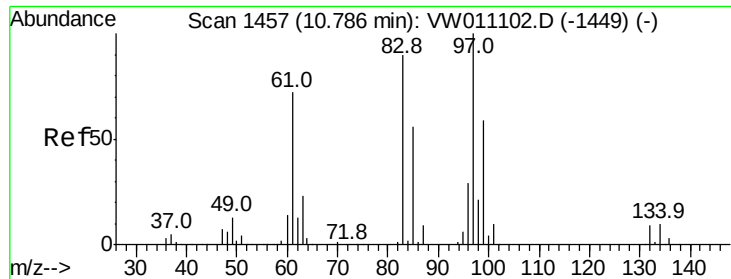
77 31.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

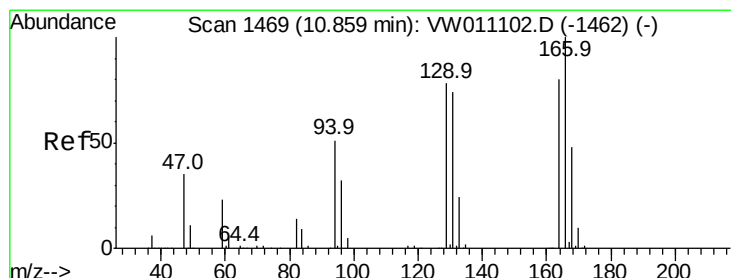
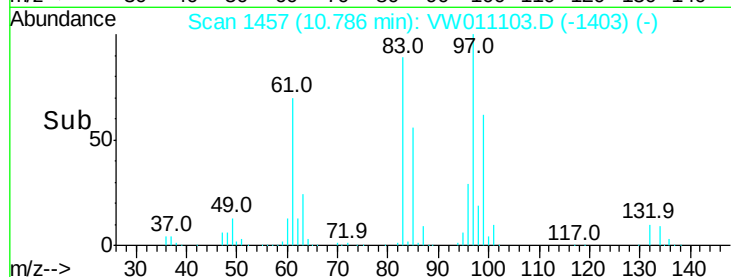
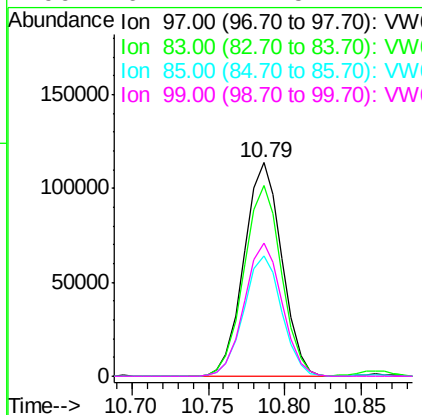
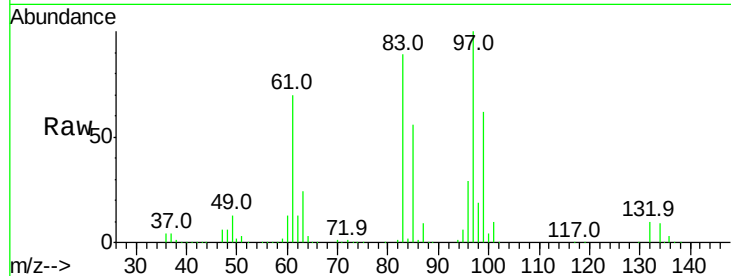




#46
 1,1,2-Trichloroethane
 Concen: 49.056 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

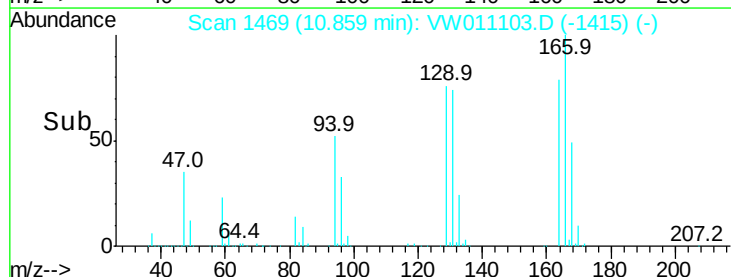
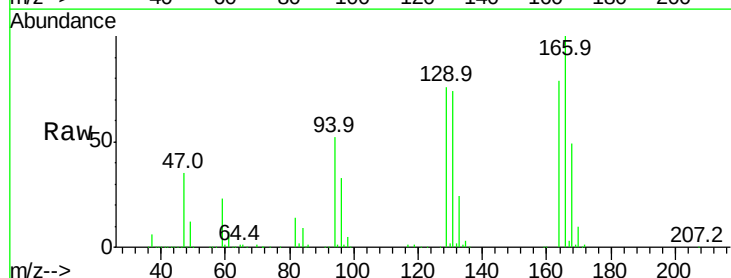
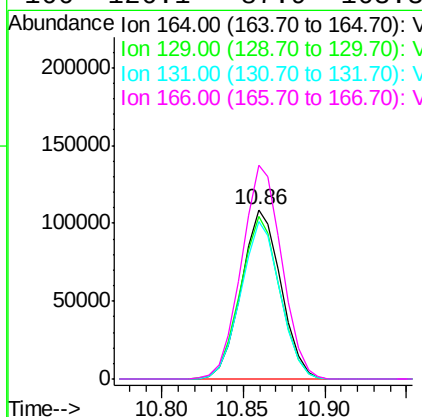
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

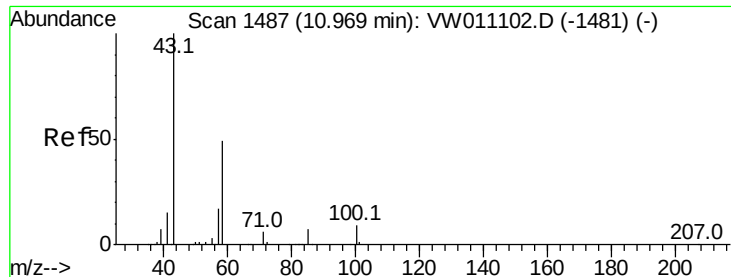
Tgt Ion: 97 Resp: 195471
 Ion Ratio Lower Upper
 97 100
 83 89.1 63.1 117.3
 85 56.5 39.0 72.4
 99 62.1 41.5 77.1



#47
 Tetrachloroethene
 Concen: 45.178 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Tgt Ion: 164 Resp: 183542
 Ion Ratio Lower Upper
 164 100
 129 95.9 68.5 127.1
 131 93.2 64.8 120.4
 166 126.1 87.9 163.3





#49

2-Hexanone

Concen: 106.636 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 43 Resp: 409325

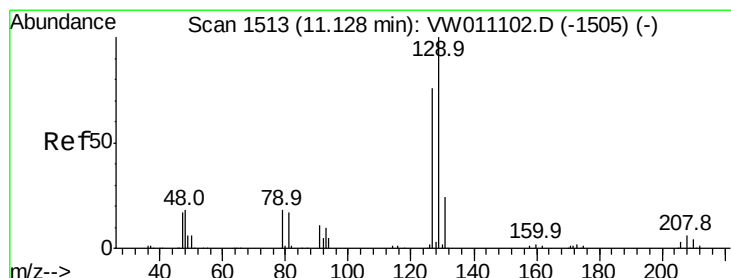
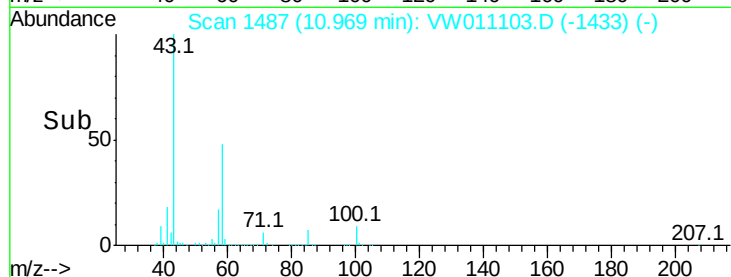
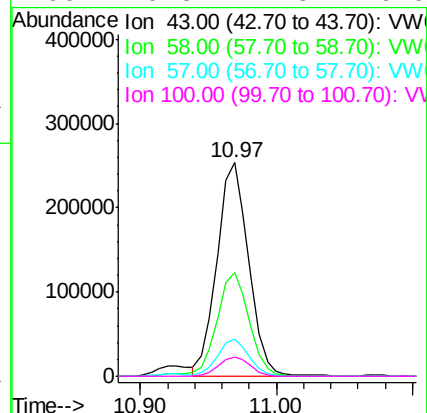
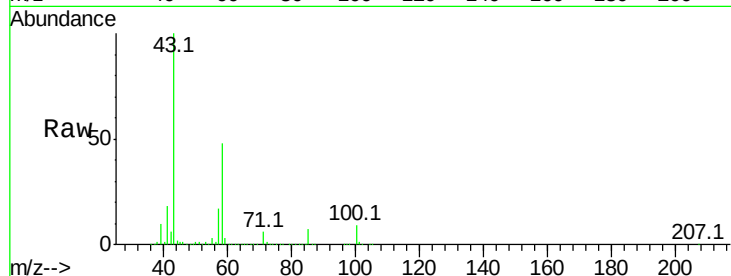
Ion Ratio Lower Upper

43 100

58 48.2 38.4 57.6

57 17.0 13.3 19.9

100 9.3 7.3 10.9



#50

Dibromochloromethane

Concen: 49.786 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011103.D

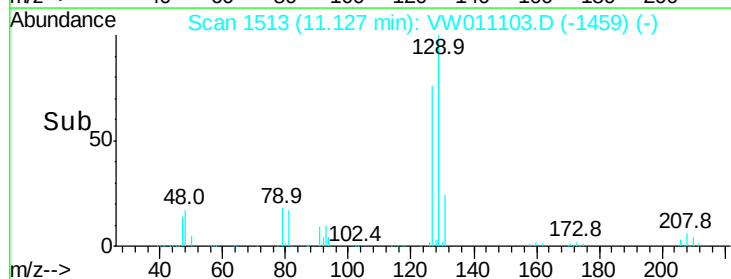
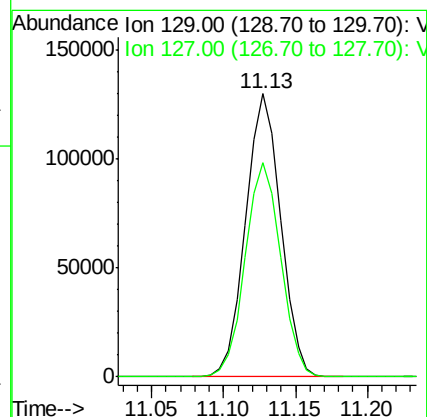
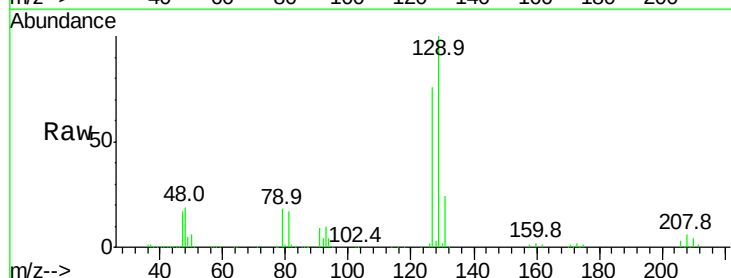
Acq: 02 Jul 2019 10:47

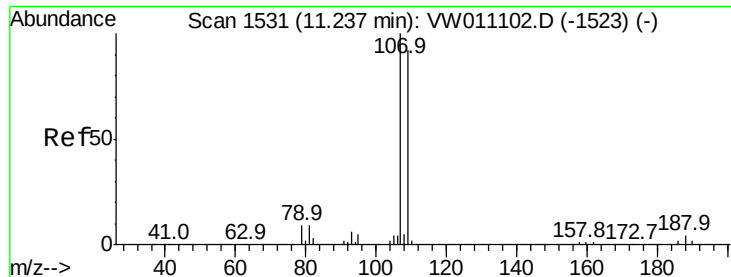
Tgt Ion: 129 Resp: 218431

Ion Ratio Lower Upper

129 100

127 75.8 53.3 99.1

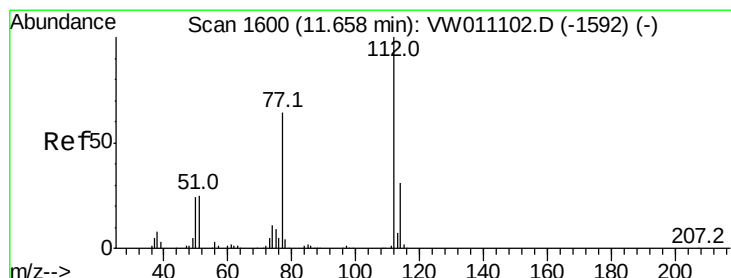
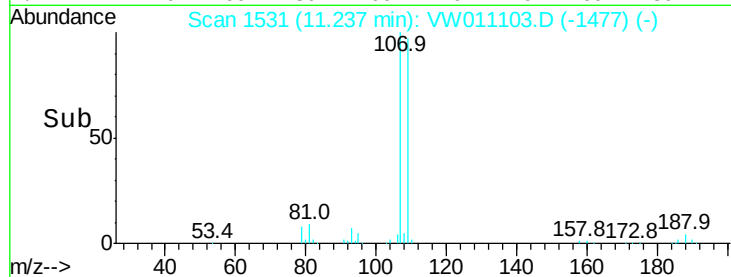
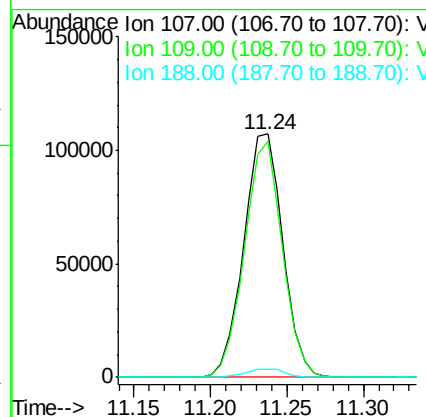
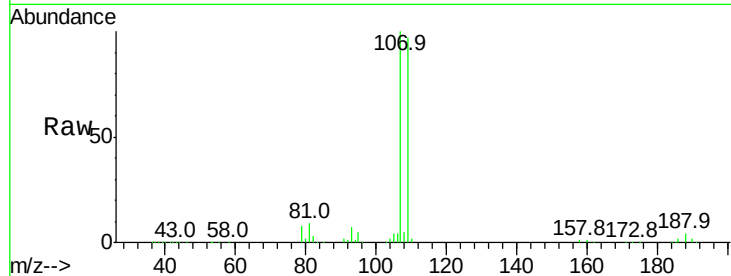




#51
 1,2-Dibromoethane
 Concen: 49.513 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

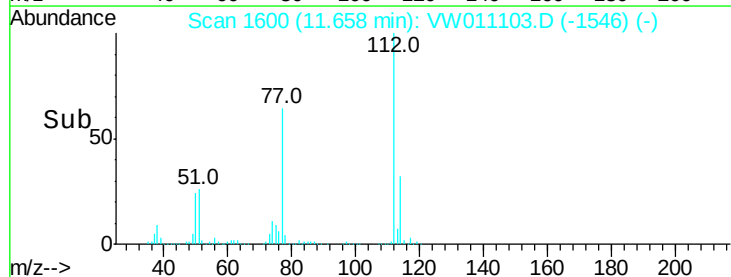
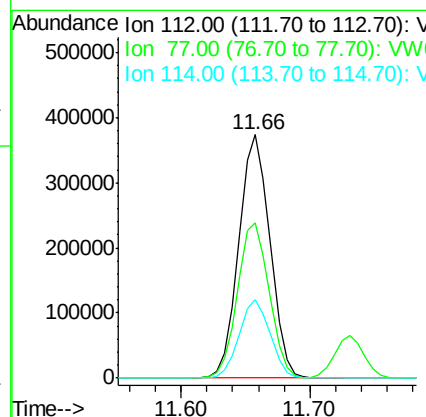
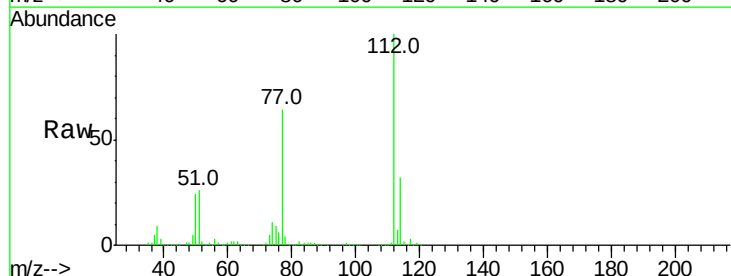
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

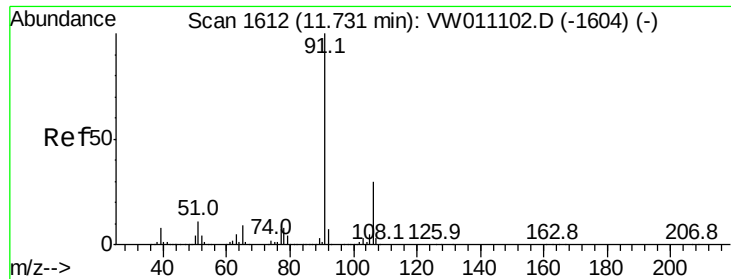
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.0	64.3	119.3
188	3.5	3.2	4.8



#52
 Chlorobenzene
 Concen: 47.125 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.8	51.2	76.8
114	32.2	22.0	40.8

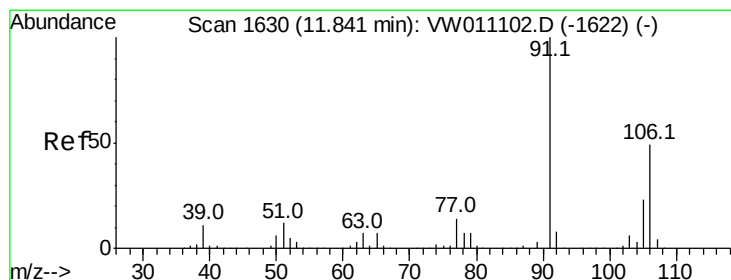
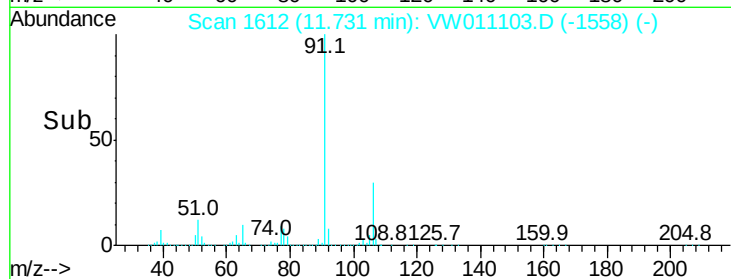
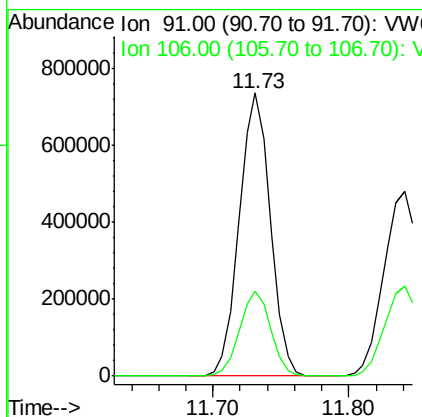
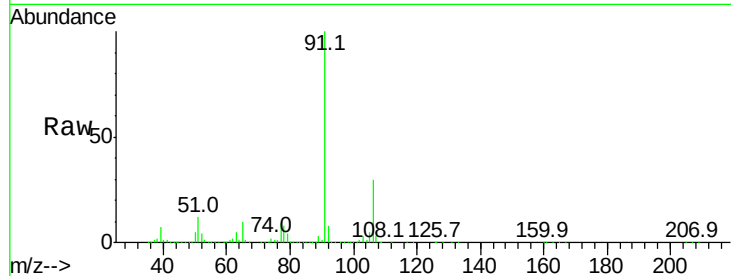




#53
Ethylbenzene
Concen: 47.201 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

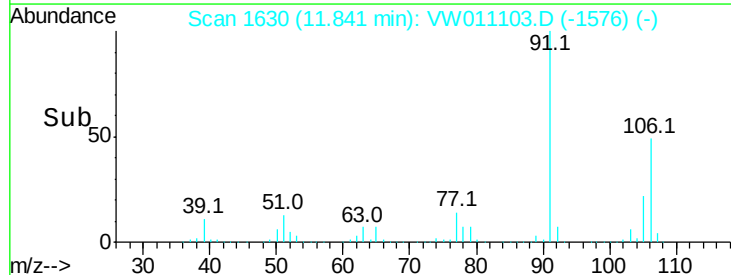
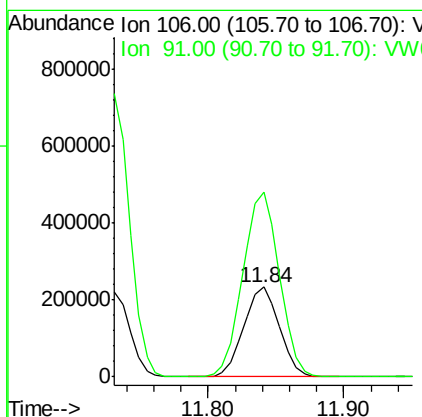
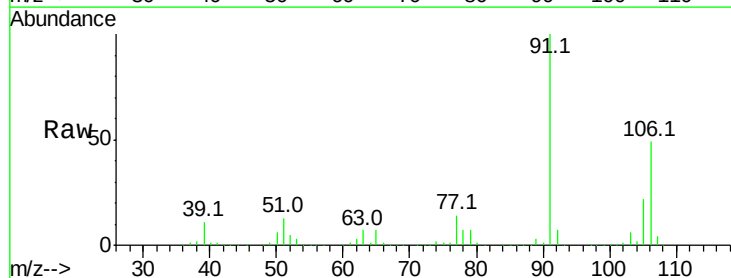
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

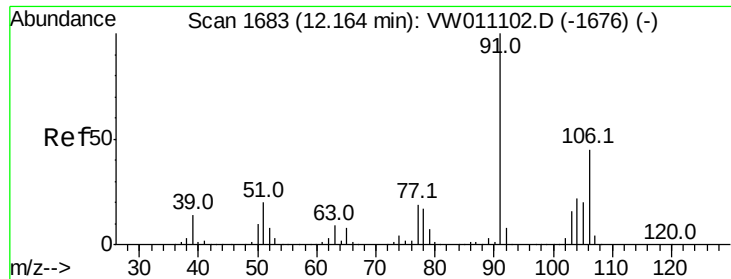
Tgt Ion: 91 Resp: 1174595
Ion Ratio Lower Upper
91 100
106 30.1 20.6 38.4



#54
m,p-Xylene
Concen: 47.506 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion: 106 Resp: 428991
Ion Ratio Lower Upper
106 100
91 204.7 142.6 264.8

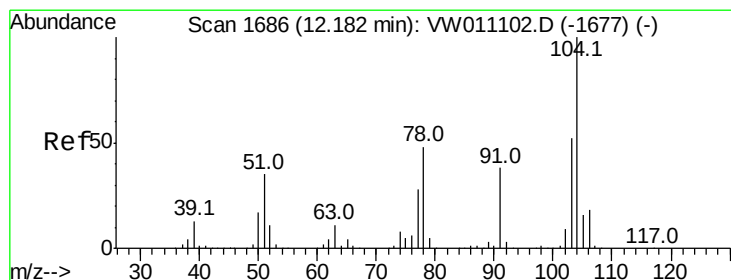
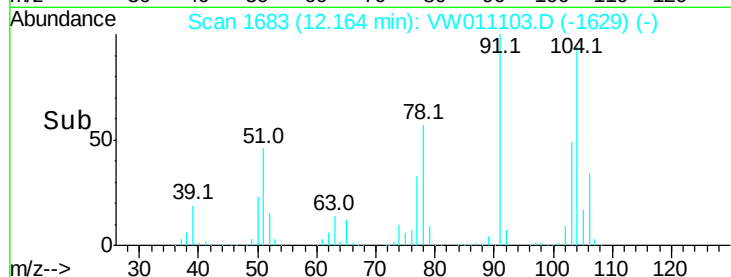
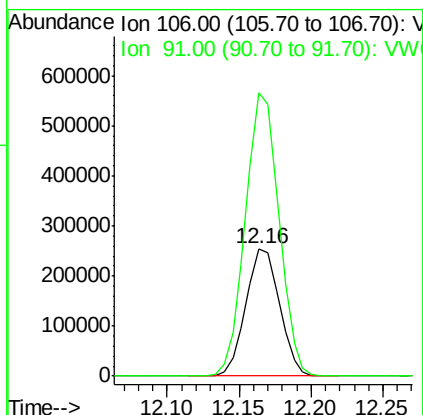
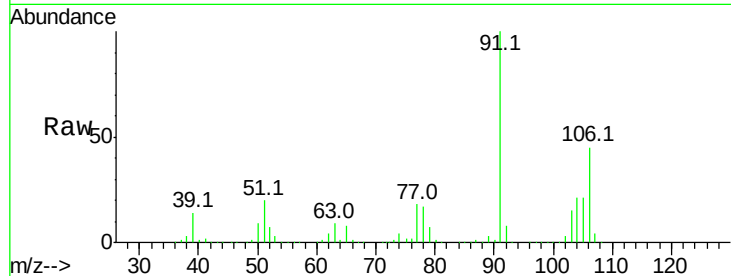




#55
o-xylene
Concen: 47.755 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

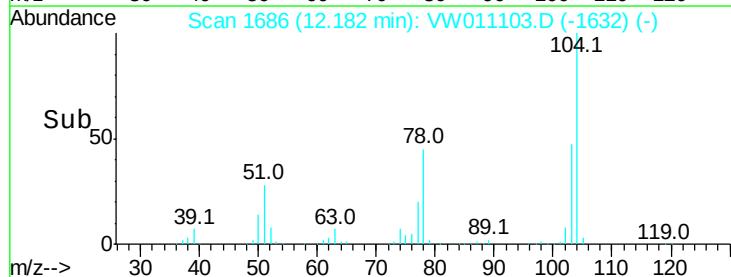
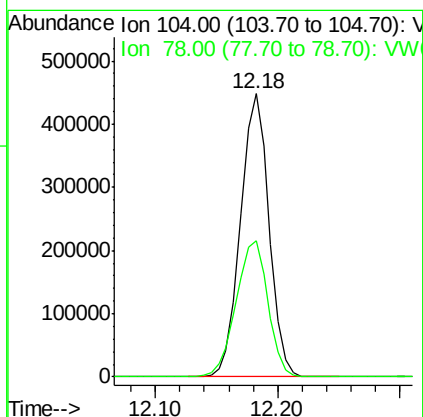
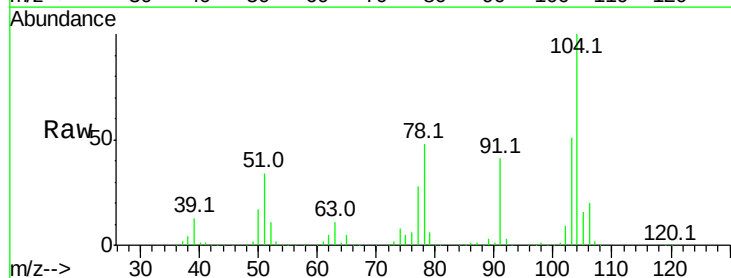
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

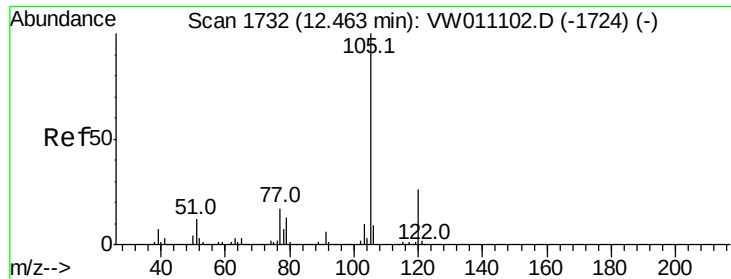
Tgt Ion:106 Resp: 413803
Ion Ratio Lower Upper
106 100
91 222.4 154.6 287.2



#56
Styrene
Concen: 48.408 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion:104 Resp: 723350
Ion Ratio Lower Upper
104 100
78 48.3 33.7 62.7





#57

Isopropylbenzene

Concen: 47.792 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

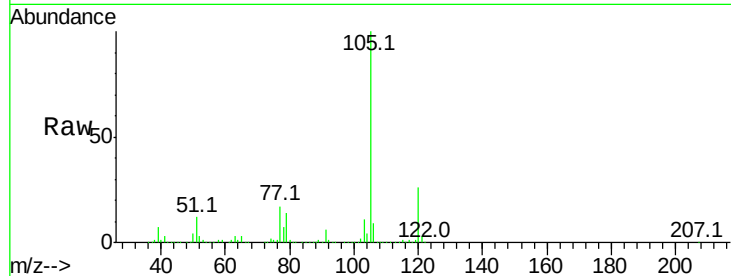
Tgt Ion:105 Resp: 1123517

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

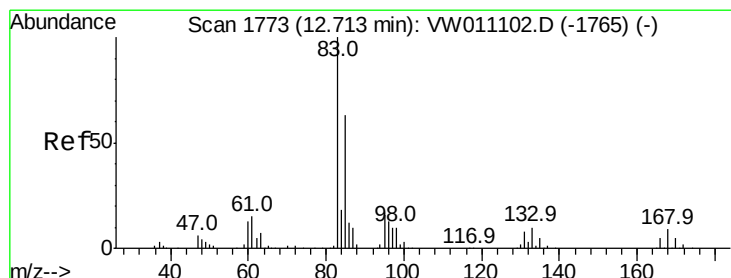
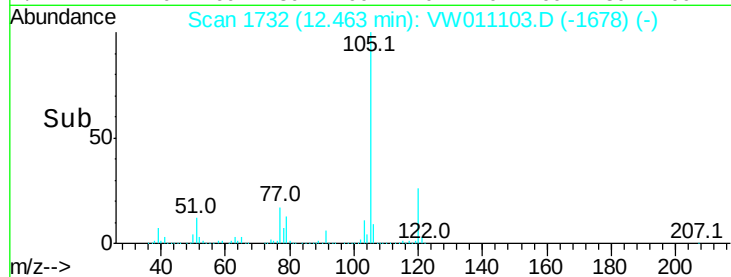
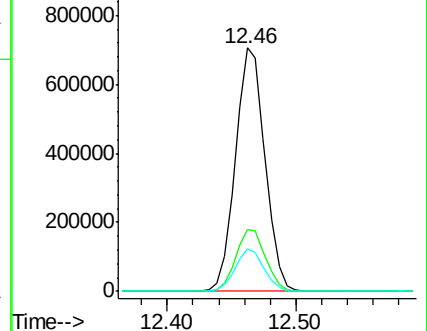
77 17.0 13.5 20.3



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: 51.807 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

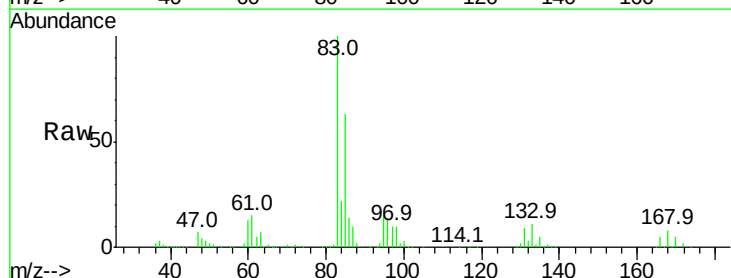
Tgt Ion: 83 Resp: 269915

Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.6

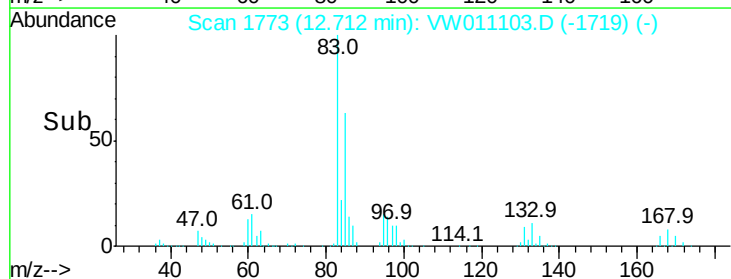
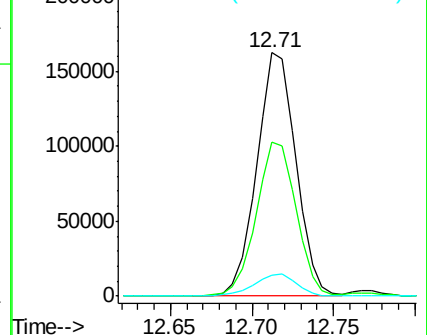
131 8.8 6.7 10.1

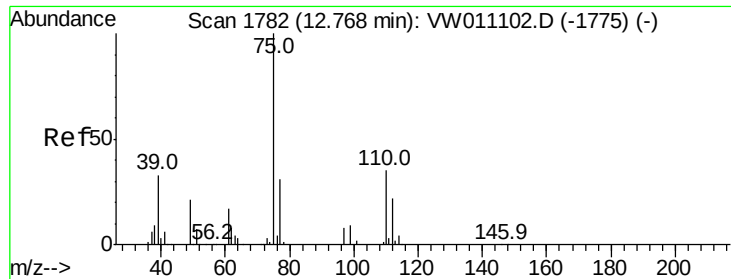


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.204 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

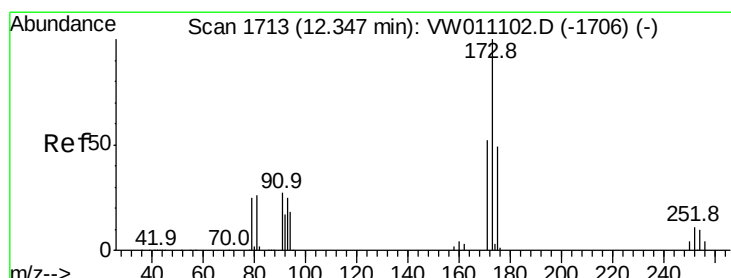
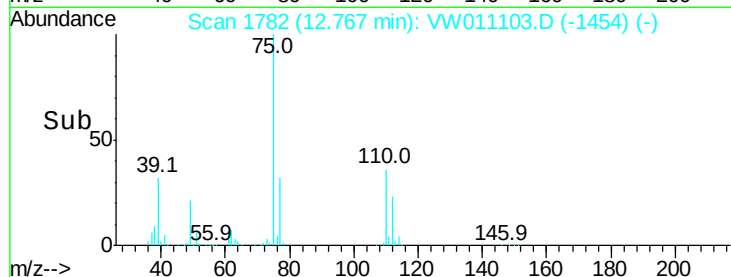
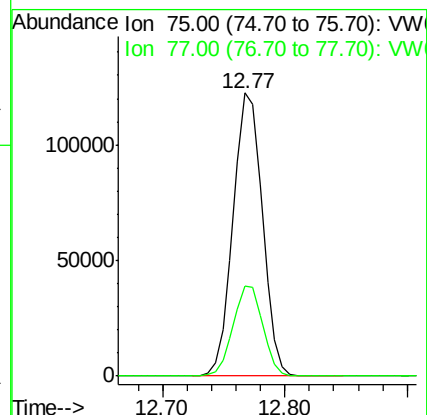
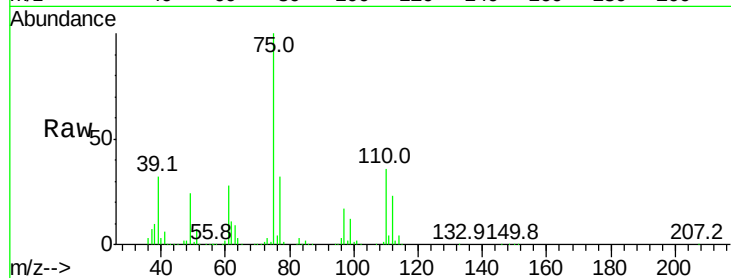
VSTD05006

Tgt Ion: 75 Resp: 203089

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#62

Bromoform

Concen: 50.514 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

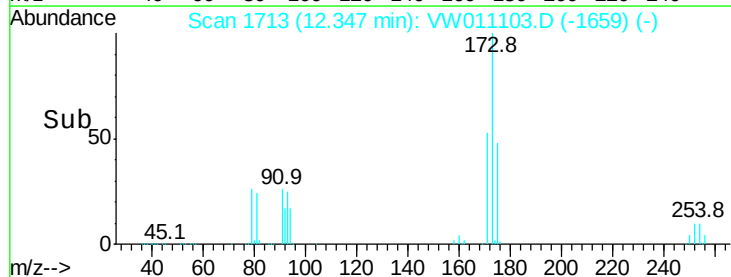
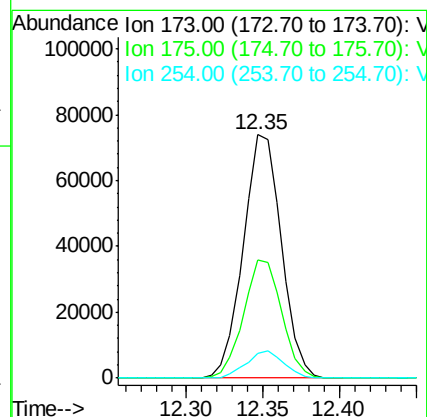
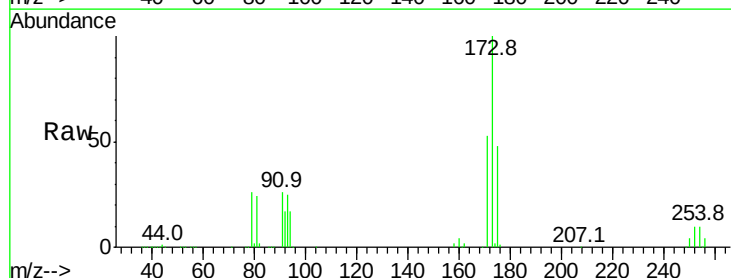
Tgt Ion: 173 Resp: 128176

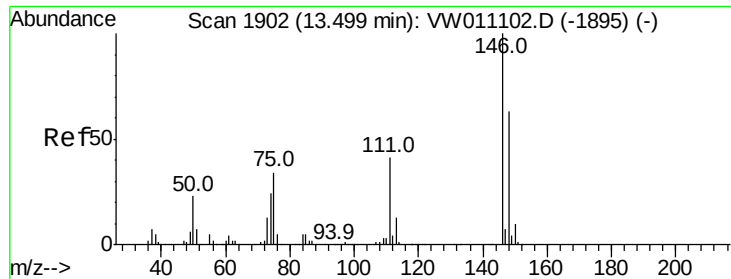
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

254 11.0 8.5 12.7

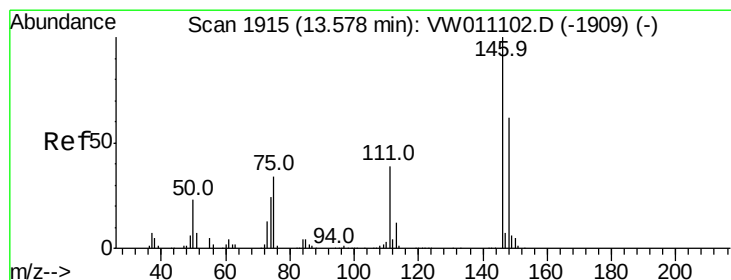
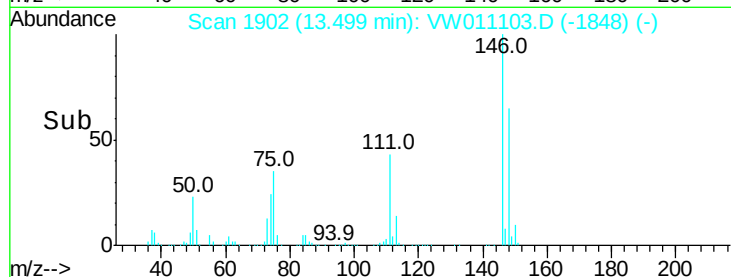
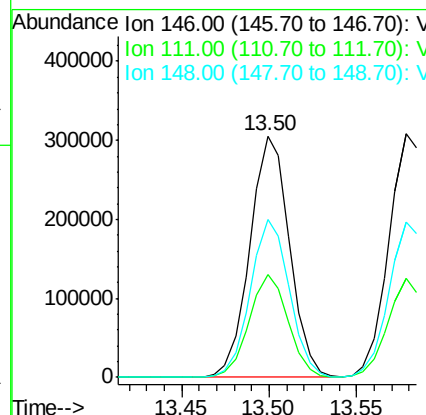
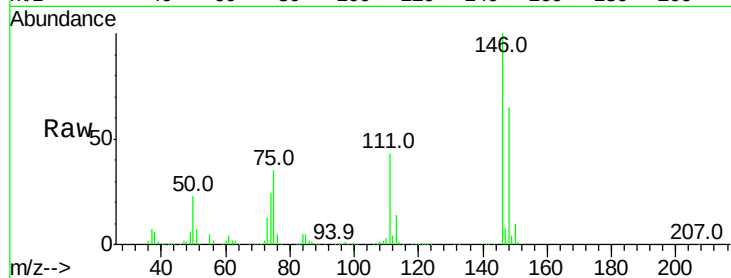




#63
 1,3-Dichlorobenzene
 Concen: 46.824 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

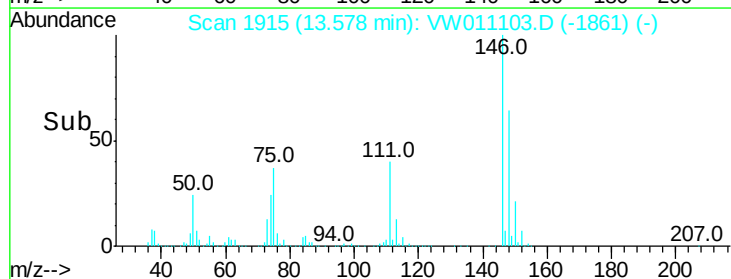
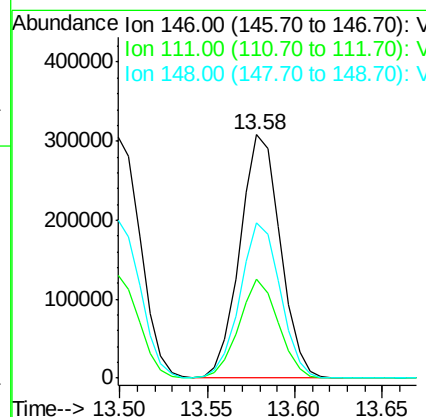
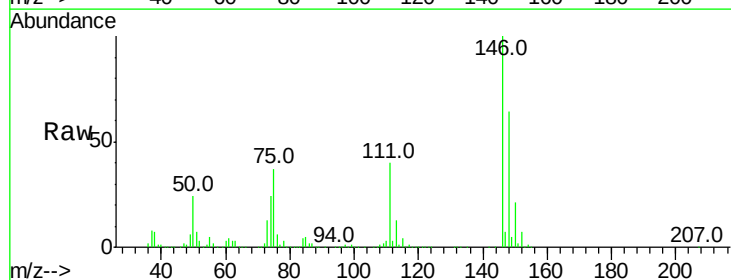
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

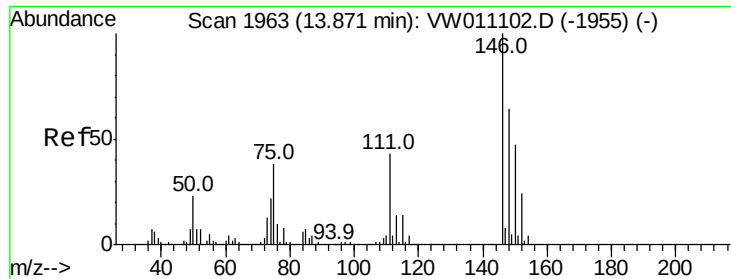
Tgt Ion:146 Resp: 483257
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.0 53.8
 148 65.2 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 47.687 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Tgt Ion:146 Resp: 494391
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.5 51.1
 148 63.8 43.8 81.3

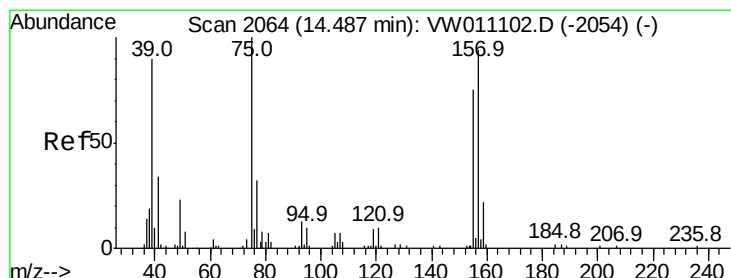
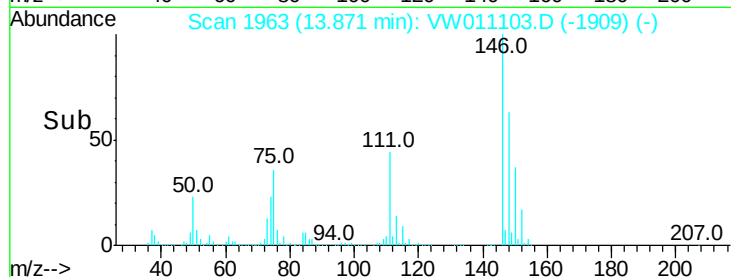
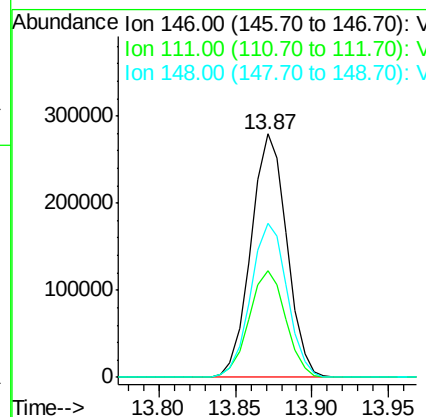
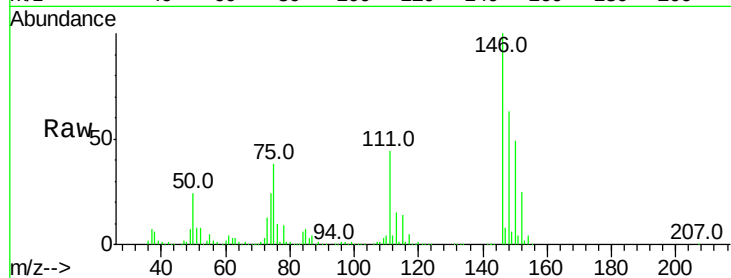




#65
1,2-Dichlorobenzene
Concen: 47.753 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

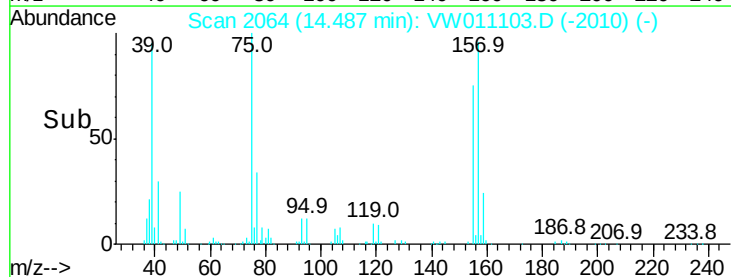
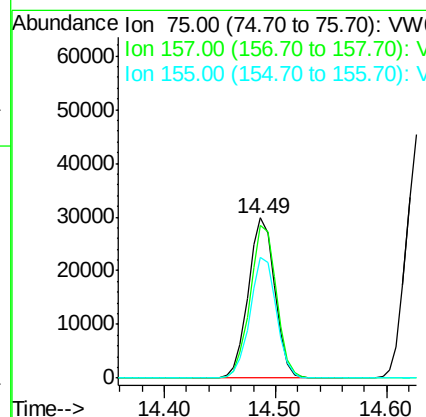
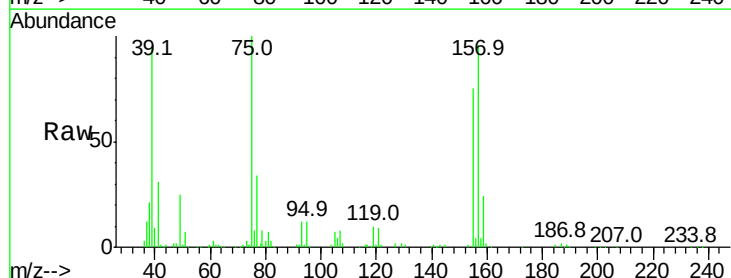
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

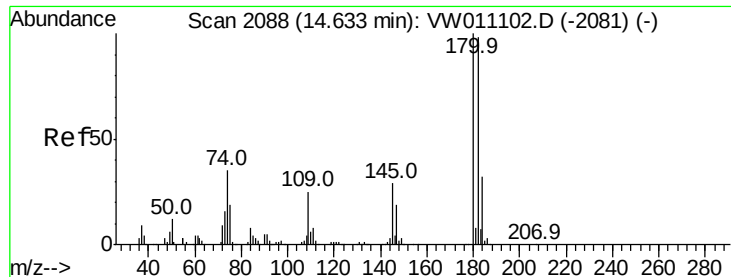
Tgt Ion:146 Resp: 455832
Ion Ratio Lower Upper
146 100
111 43.8 34.1 51.1
148 63.0 51.0 76.4



#66
1,2-Dibromo-3-chloropropane
Concen: 50.545 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW011103.D
Acq: 02 Jul 2019 10:47

Tgt Ion: 75 Resp: 49369
Ion Ratio Lower Upper
75 100
157 95.5 75.3 112.9
155 75.2 60.2 90.2

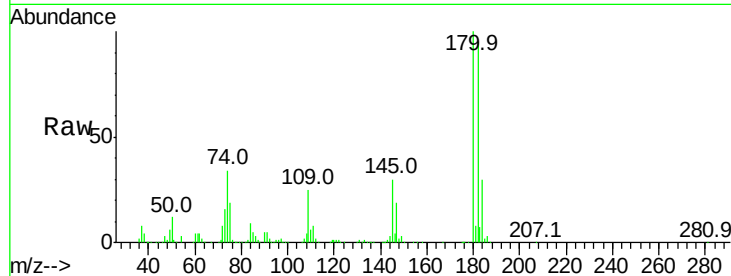




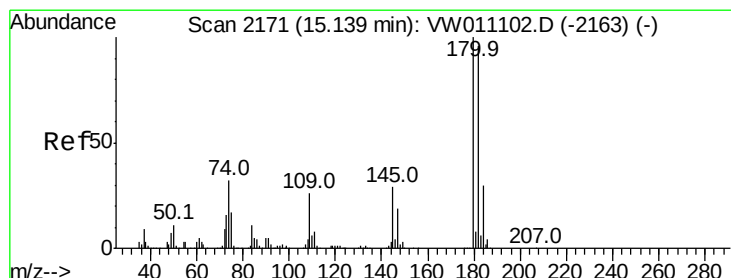
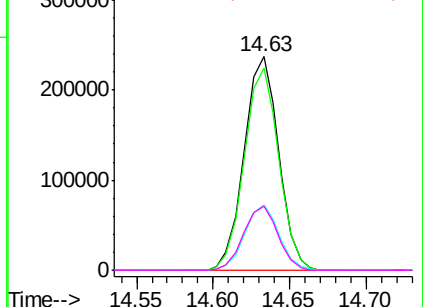
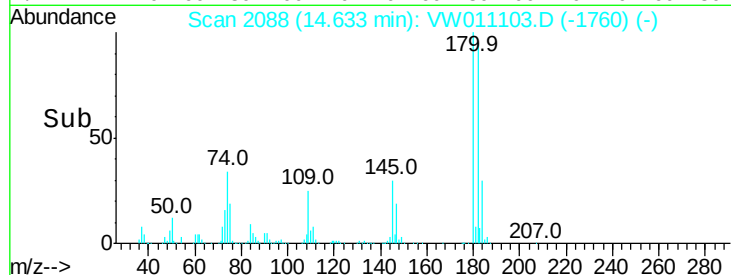
#67
 1,3,5-Trichlorobenzene
 Concen: 47.439 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tgt Ion:180 Resp: 372663
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.0 115.4
 184 30.1 24.3 36.5
 145 29.9 24.2 36.2

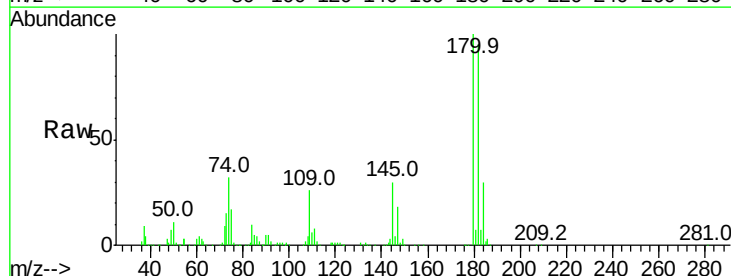


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

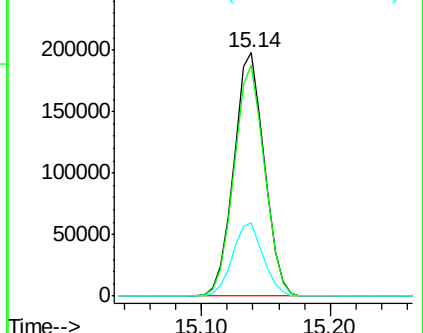
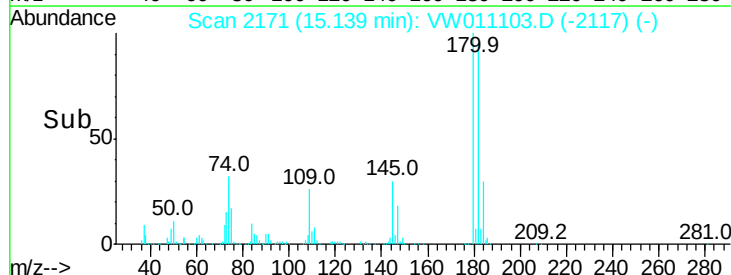


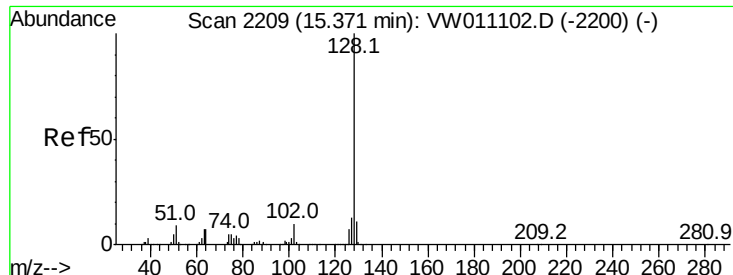
#68
 1,2,4-trichlorobenzene
 Concen: 48.807 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011103.D
 Acq: 02 Jul 2019 10:47

Tgt Ion:180 Resp: 324943
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.0 115.6
 145 30.2 24.5 36.7



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





#69

Naphthalene

Concen: 52.509 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

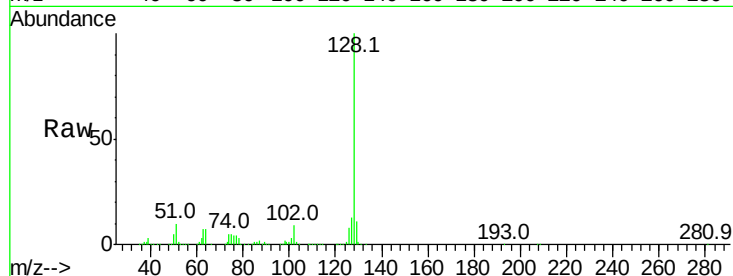
Tgt Ion:128 Resp: 746005

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

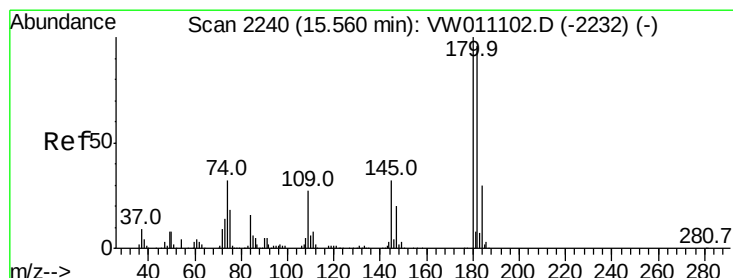
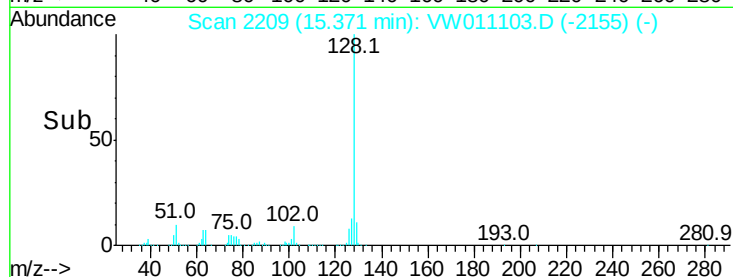
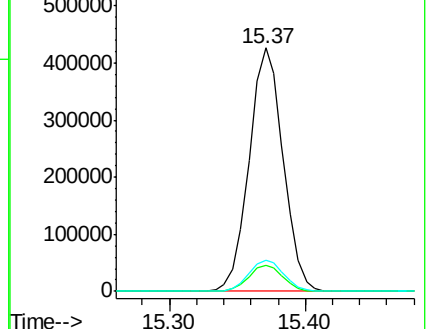
127 13.3 10.6 15.8



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: 49.025 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011103.D

Acq: 02 Jul 2019 10:47

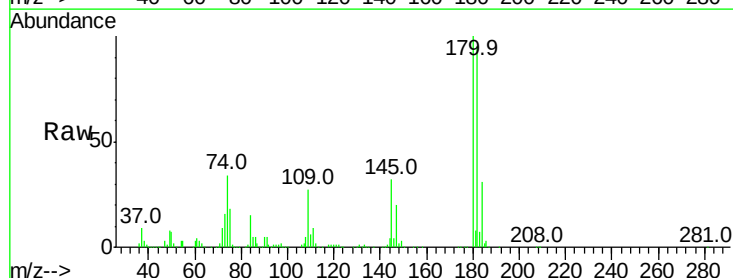
Tgt Ion:180 Resp: 296479

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 32.8 25.5 38.3



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

