

Data File : VW010764.D
Acq On : 11 Jun 2019 11:44
Operator : SY/VA
Sample : VSTD05023
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05016

Quant Time: Jun 11 12:05:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 11:56:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	386375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	355567	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	170913	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	243745	57.19	ug/L	0.00
7) Chloroethane-d5	2.87	69	191042	58.85	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	536118	50.17	ug/L	0.00
20) 2-Butanone-d5	7.07	46	240883	116.29	ug/L	0.00
24) Chloroform-d	7.65	84	432885	41.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	314001	51.79	ug/L	0.00
29) Benzene-d6	8.27	84	1006967	51.43	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	330915	53.52	ug/L	0.00
37) Toluene-d8	10.32	98	912912	53.01	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	157426	57.33	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	172514	111.73	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	292216	50.12	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	317691	50.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	299064	58.490 ug/L	99
3) Chloromethane	2.21	50	337193	69.352 ug/L	99
5) Vinyl chloride	2.35	62	305171	56.716 ug/L	100
6) Bromomethane	2.76	94	142169	47.975 ug/L	99
8) Chloroethane	2.91	64	179645	60.965 ug/L	98
9) Trichlorofluoromethane	3.25	101	410075	149.851 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	235754	45.482 ug/L	99
12) 1,1-Dichloroethene	4.03	96	218152	41.735 ug/L	95
13) Acetone	4.12	43	227942	139.889 ug/L	100
14) Carbon disulfide	4.37	76	626569	41.810 ug/L	99
15) Methyl Acetate	4.67	43	195603	54.805 ug/L	99
16) Methylene chloride	4.92	84	253586	39.535 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	756215	109.322 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	242655	46.418 ug/L	98
19) 1,1-Dichloroethane	6.21	63	520121	50.675 ug/L	99
21) 2-Butanone	7.17	43	309248	124.404 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	285161	50.422 ug/L	99
23) Bromochloromethane	7.51	128	116799	45.084 ug/L	98
25) Chloroform	7.68	83	564905	55.654 ug/L	100
27) 1,2-Dichloroethane	8.40	62	389679	52.456 ug/L	99
30) Cyclohexane	7.95	56	497081	56.962 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	423821	57.834 ug/L	100
32) Carbon tetrachloride	8.07	117	358036	47.438 ug/L	99
34) Benzene	8.32	78	1063647	49.438 ug/L	100
35) Trichloroethene	9.09	95	271710	48.888 ug/L	99
36) Methylcyclohexane	9.34	83	472035	50.610 ug/L	99
40) 1,2-Dichloropropane	9.37	63	304087	54.454 ug/L	100
41) Bromodichloromethane	9.65	83	379327	52.457 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	485390	57.703 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	611505	128.354 ug/L	100

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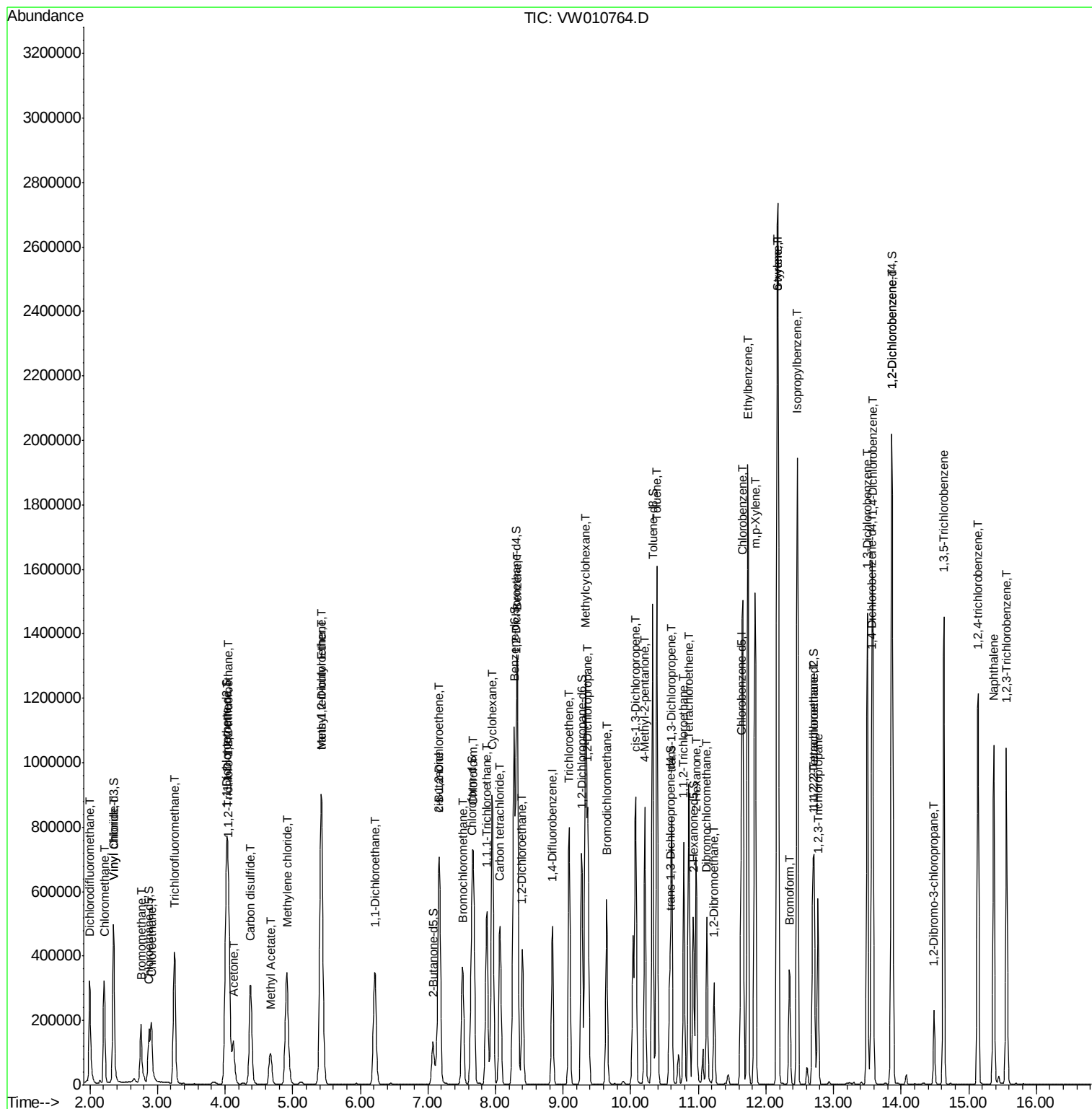
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1120257	50.021	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	421472	58.229	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	220377	51.823	ug/L	98
47) Tetrachloroethene	10.86	164	203345	47.523	ug/L	98
49) 2-Hexanone	10.97	43	463298	131.808	ug/L	100
50) Dibromochloromethane	11.13	129	257037	52.622	ug/L	97
51) 1,2-Dibromoethane	11.24	107	213121	51.344	ug/L	99
52) Chlorobenzene	11.66	112	708247	49.373	ug/L	99
53) Ethylbenzene	11.73	91	1294308	51.767	ug/L	99
54) m,p-Xylene	11.84	106	461000	50.045	ug/L	100
55) o-xylene	12.17	106	459221	52.850	ug/L	94
56) Styrene	12.18	104	809452	53.416	ug/L	99
57) Isopropylbenzene	12.47	105	1250657	53.112	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	302373	53.009	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	236489	54.448	ug/L	99
62) Bromoform	12.35	173	155803	54.227	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	551600	53.032	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	555402	49.986	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	519356	51.709	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	57405	54.745	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	426053	54.210	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	376742	59.220	ug/L	98
69) Naphthalene	15.37	128	851124	60.398	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	344200	56.525	ug/L	99

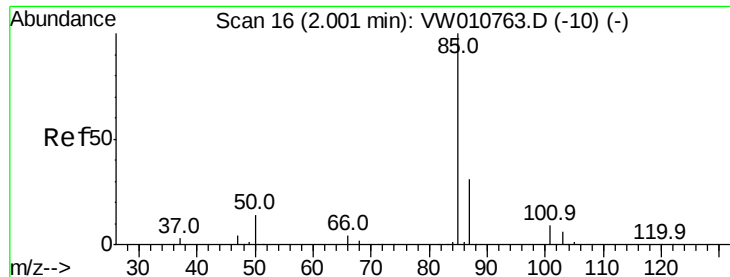
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 58.490 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

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Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

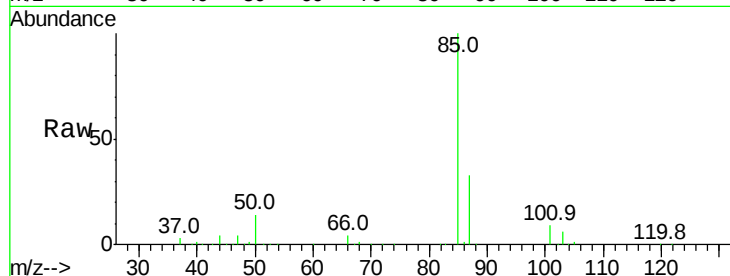
VSTD05016

Tgt Ion: 85 Resp: 299064

Ion Ratio Lower Upper

85 100

87 32.6 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

200000

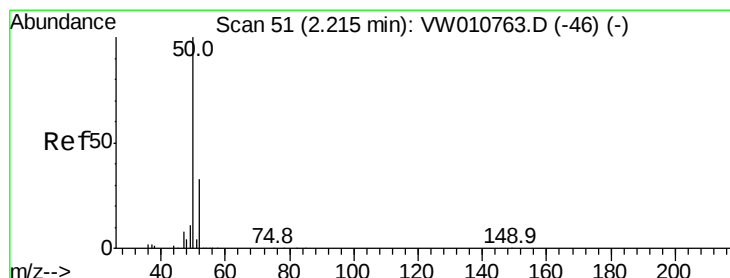
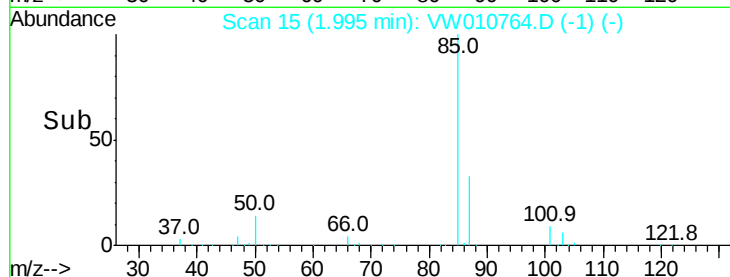
150000

100000

50000

0

Time--> 1.90 2.00 2.10



#3

Chloromethane

Concen: 69.352 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010764.D

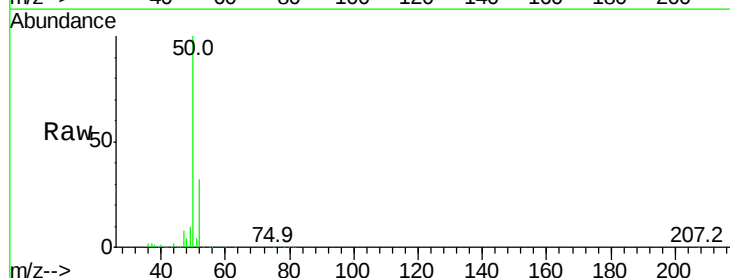
Acq: 11 Jun 2019 11:44

Tgt Ion: 50 Resp: 337193

Ion Ratio Lower Upper

50 100

52 32.3 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

200000

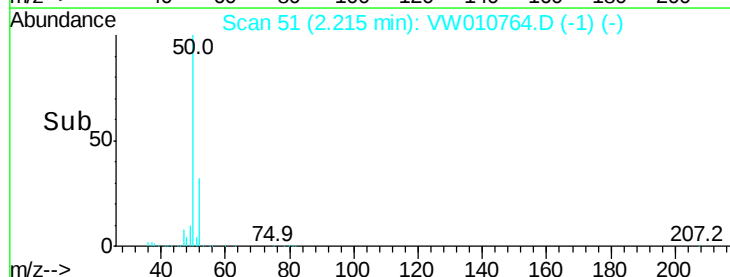
150000

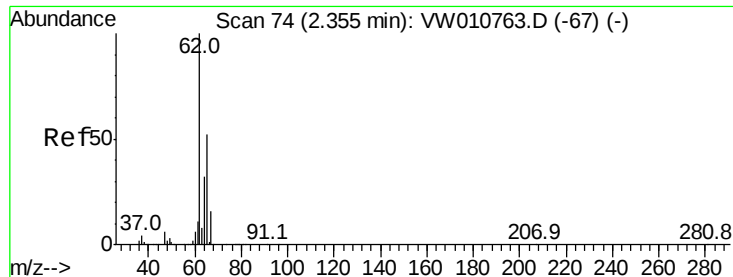
100000

50000

0

Time--> 2.15 2.20 2.25 2.30





#5

Vinyl chloride

Concen: 56.716 ug/L

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

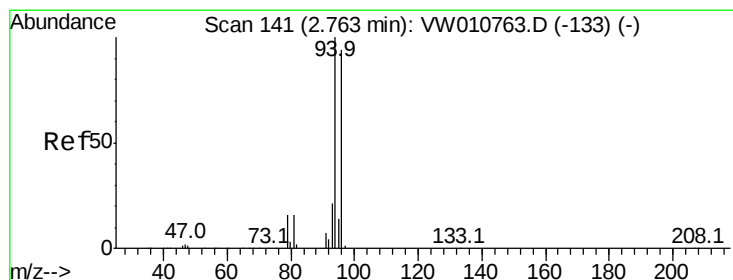
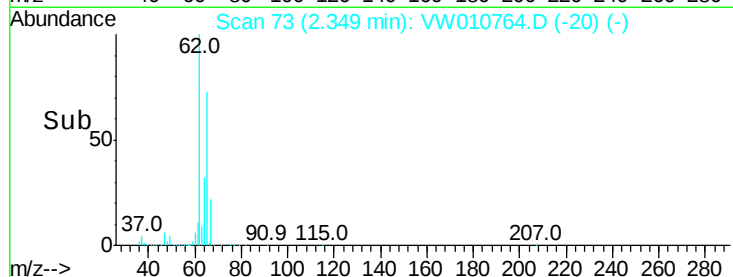
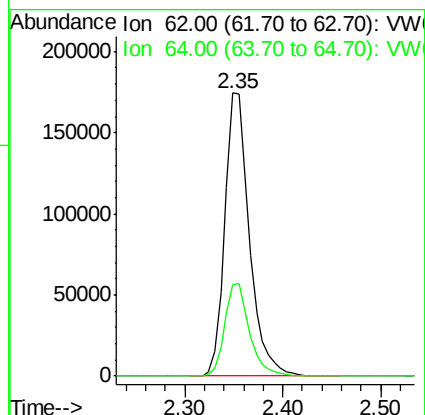
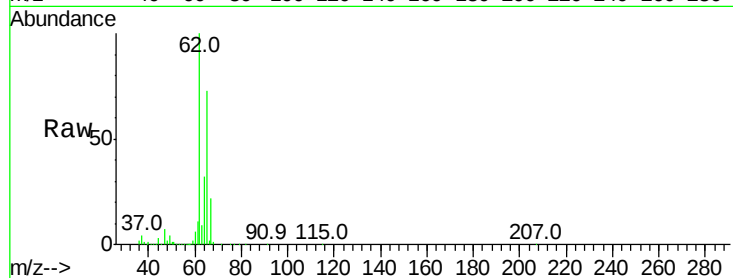
VSTD05016

Tgt Ion: 62 Resp: 305171

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



#6

Bromomethane

Concen: 47.975 ug/L

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW010764.D

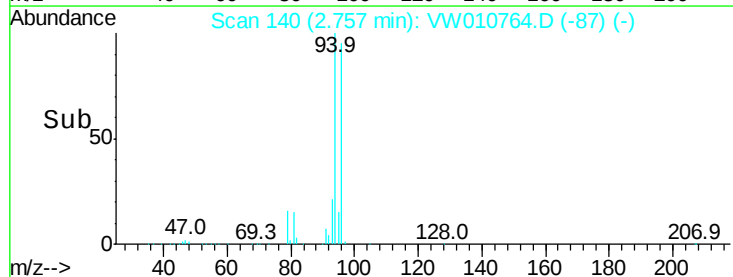
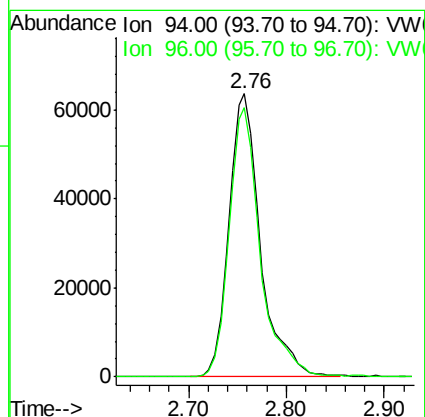
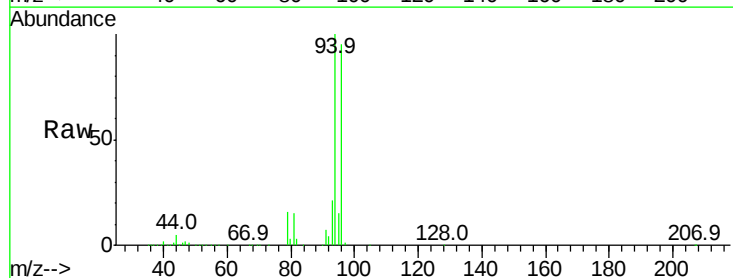
Acq: 11 Jun 2019 11:44

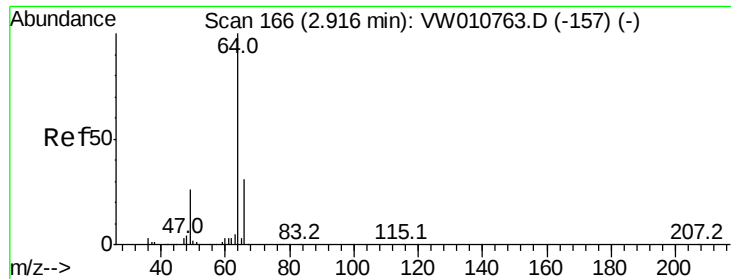
Tgt Ion: 94 Resp: 142169

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.7





#8

Chloroethane

Concen: 60.965 ug/L

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

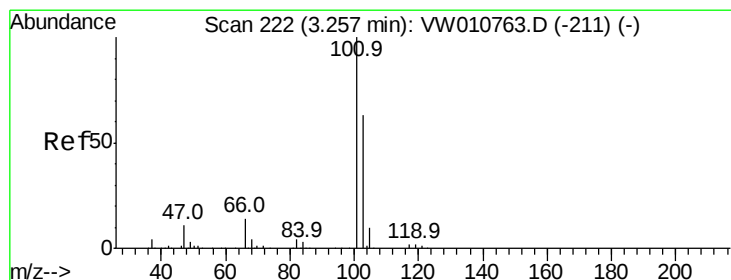
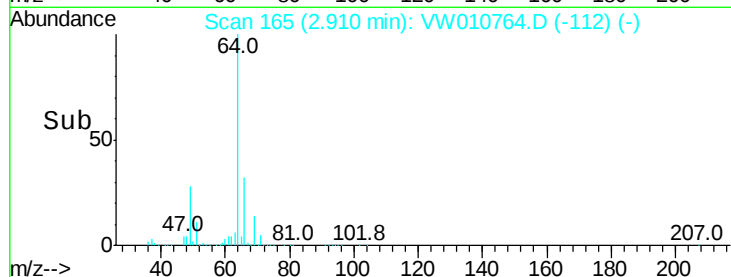
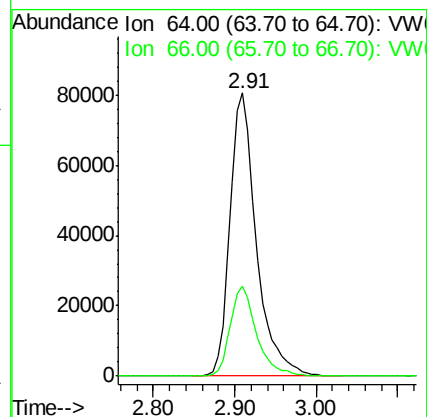
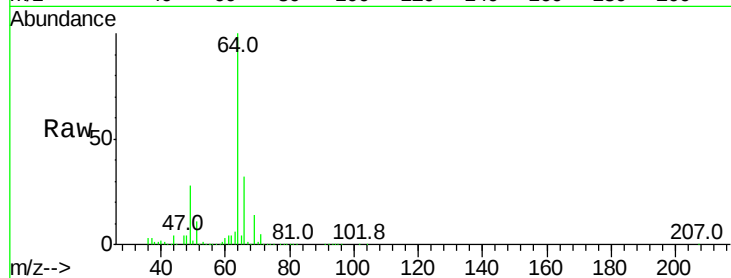
VSTD05016

Tgt Ion: 64 Resp: 179645

Ion Ratio Lower Upper

64 100

66 32.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 149.851 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010764.D

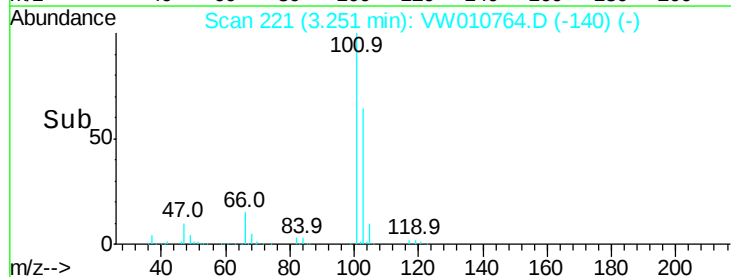
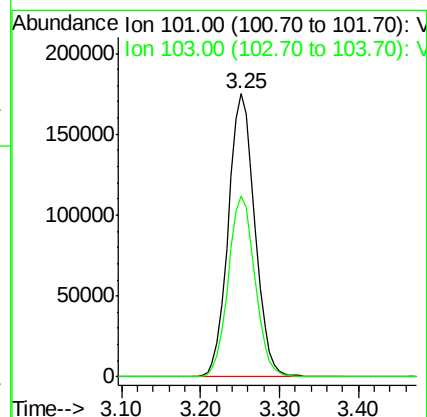
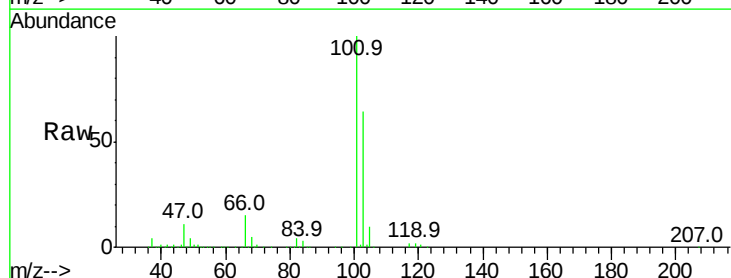
Acq: 11 Jun 2019 11:44

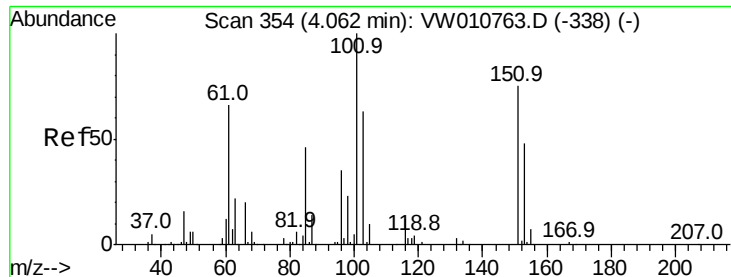
Tgt Ion: 101 Resp: 410075

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.7





#11

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

Concen: 45.482 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05016

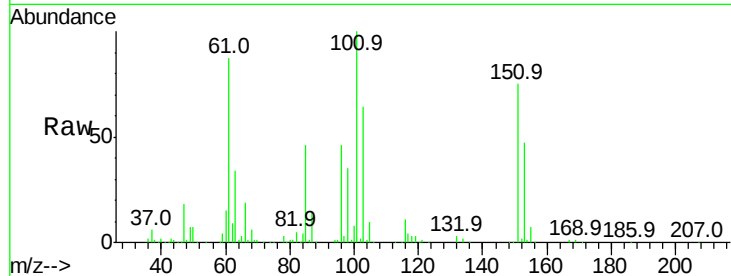
Tgt Ion:101 Resp: 235754

Ion Ratio Lower Upper

101 100

85 44.7 35.9 53.9

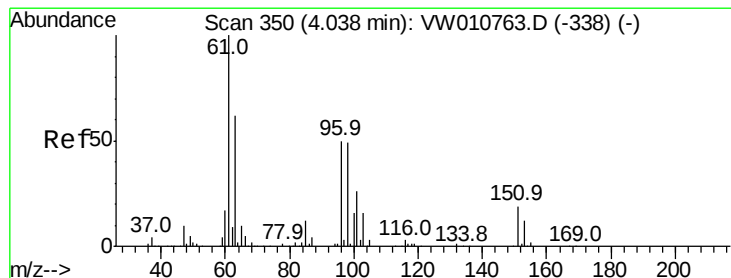
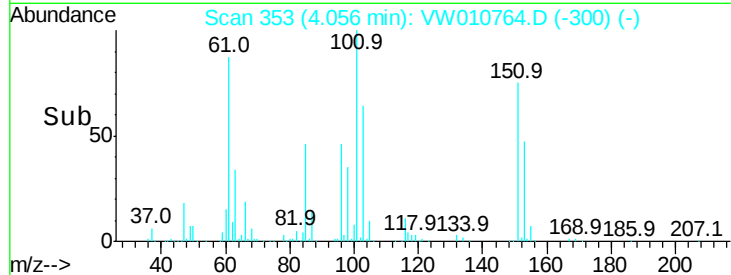
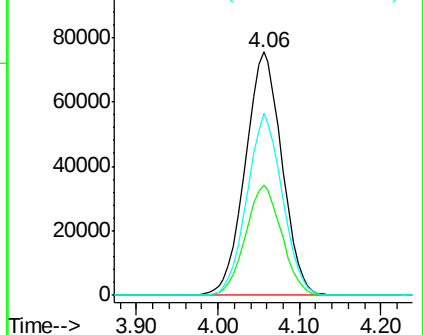
151 72.3 58.6 88.0



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: 41.735 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

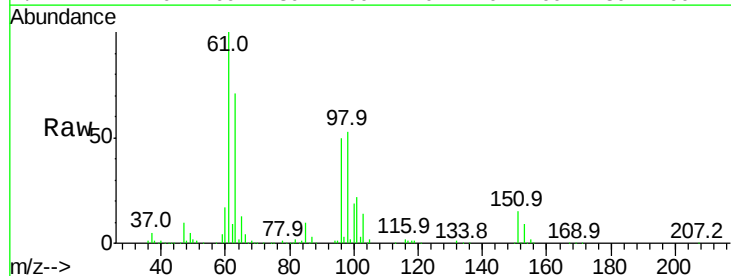
Tgt Ion: 96 Resp: 218152

Ion Ratio Lower Upper

96 100

61 200.0 139.9 259.7

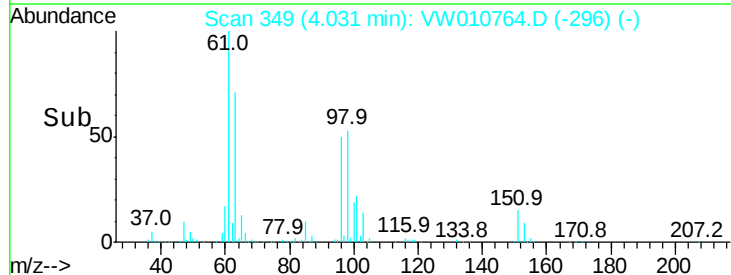
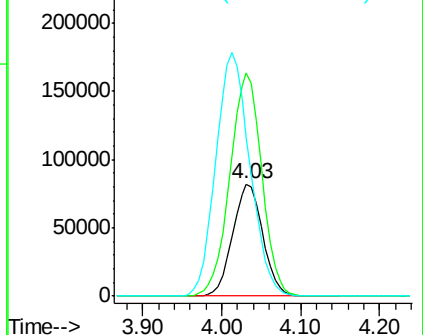
63 142.6 89.2 165.8

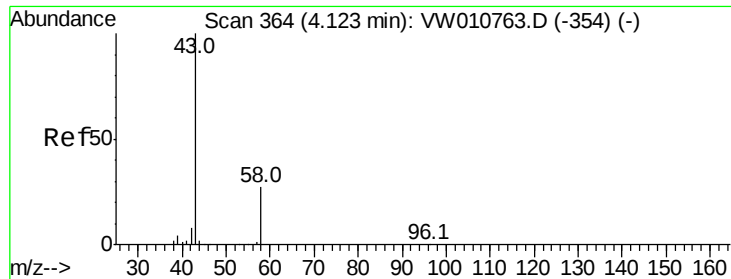


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 139.889 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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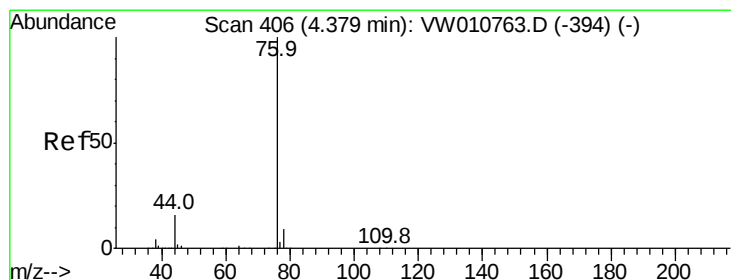
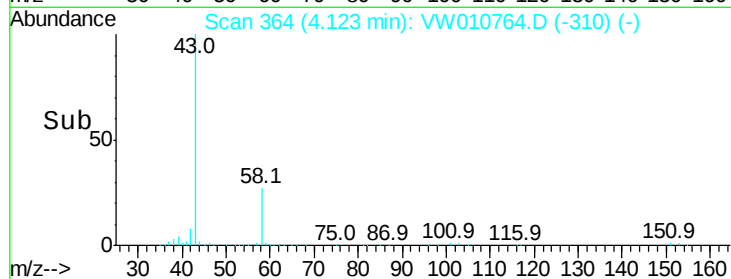
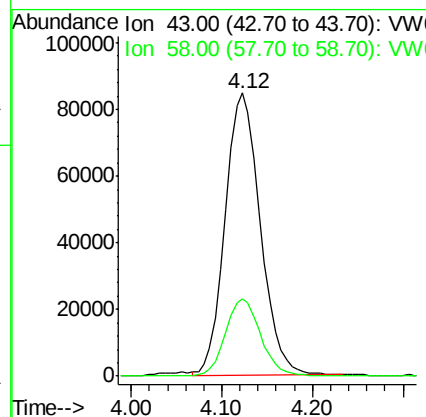
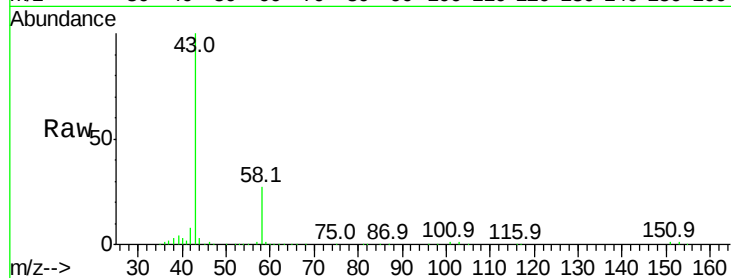
VSTD05016

Tgt Ion: 43 Resp: 227942

Ion Ratio Lower Upper

43 100

58 27.5 0.0 54.6



#14

Carbon disulfide

Concen: 41.810 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010764.D

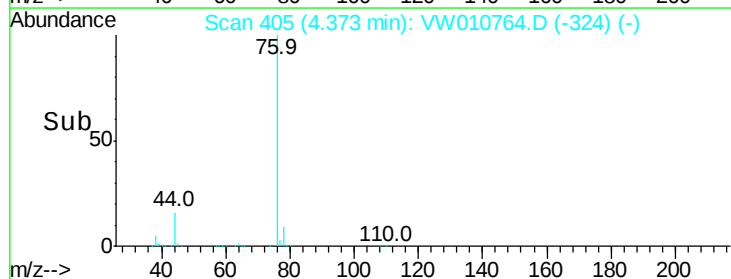
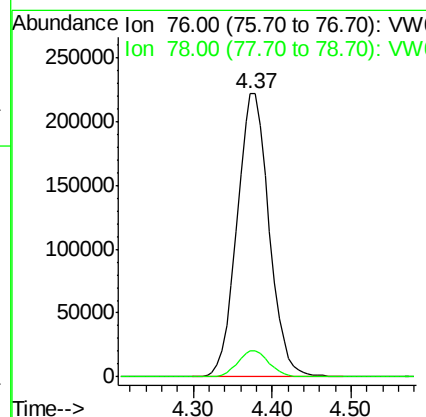
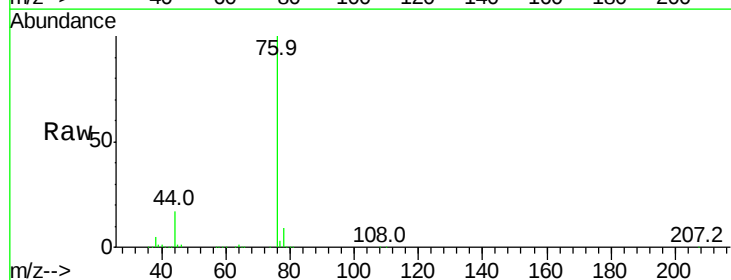
Acq: 11 Jun 2019 11:44

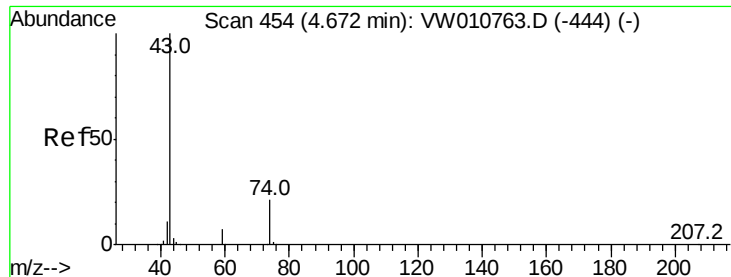
Tgt Ion: 76 Resp: 626569

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4





#15

Methyl Acetate

Concen: 54.805 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

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Acq: 11 Jun 2019 11:44

Instrument :

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ClientSampleId :

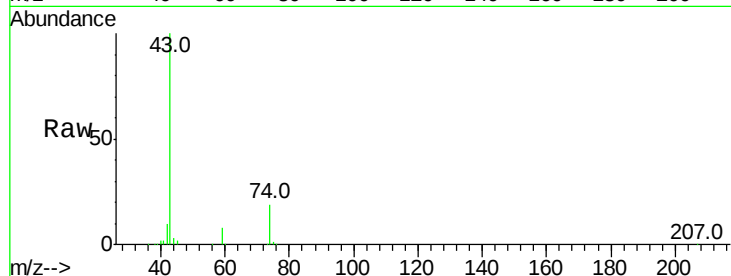
VSTD05016

Tgt Ion: 43 Resp: 195603

Ion Ratio Lower Upper

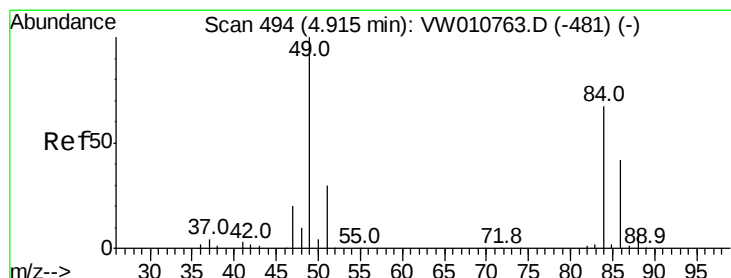
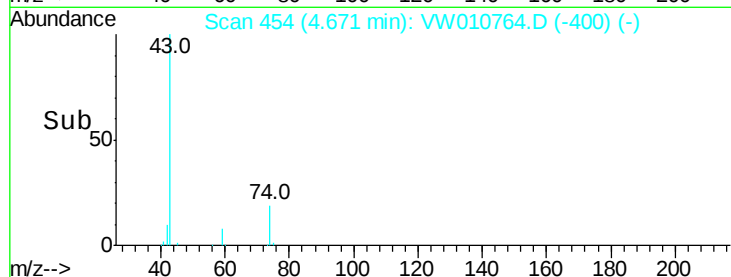
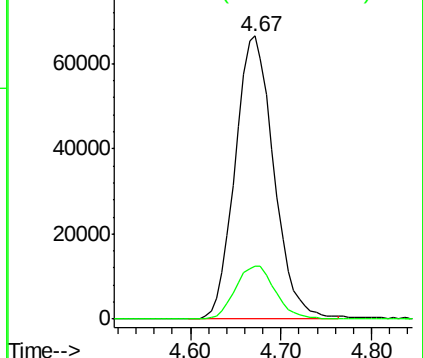
43 100

74 19.4 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 39.535 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

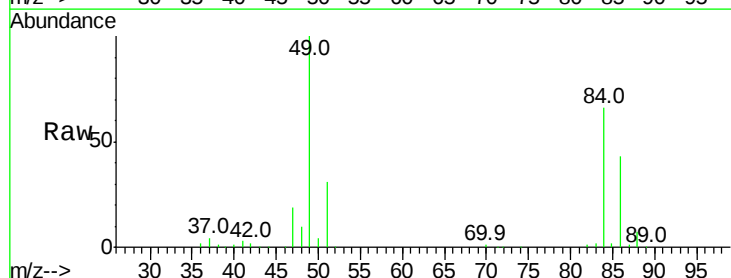
Tgt Ion: 84 Resp: 253586

Ion Ratio Lower Upper

84 100

49 152.6 105.2 195.4

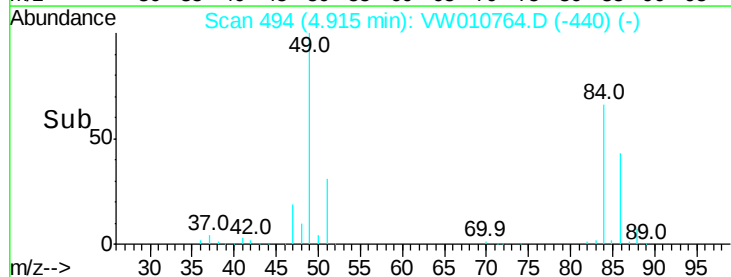
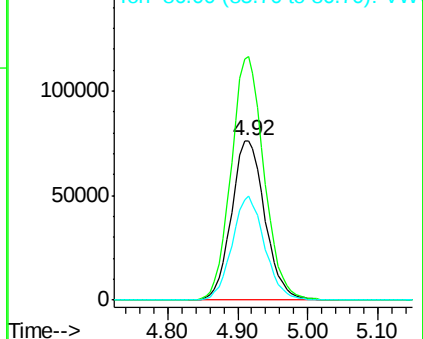
86 65.3 43.7 81.1

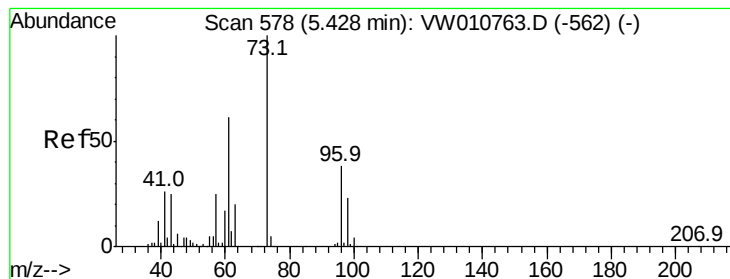


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 109.322 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampled :

VSTD05016

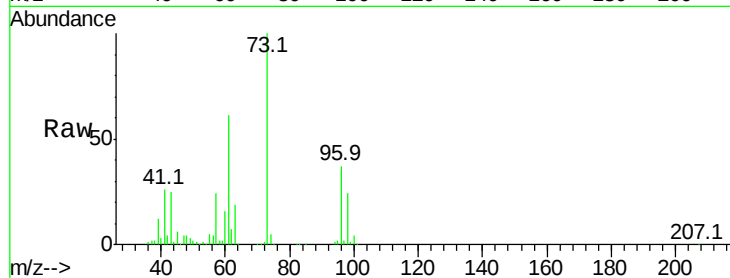
Tgt Ion: 73 Resp: 756215

Ion Ratio Lower Upper

73 100

43 24.9 19.8 29.6

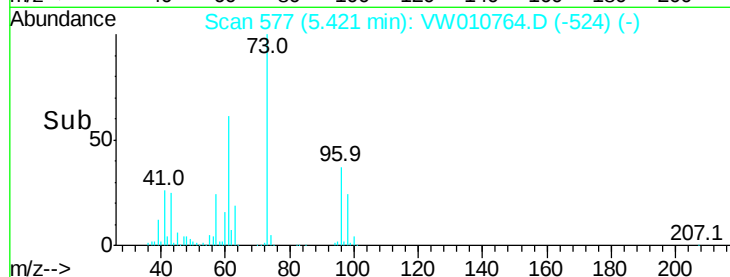
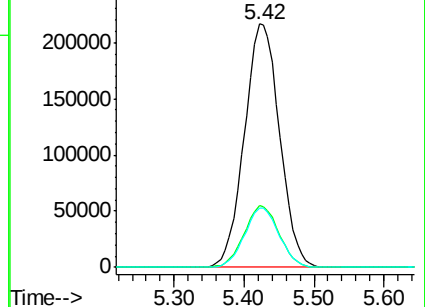
57 24.0 19.2 28.8



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: 46.418 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

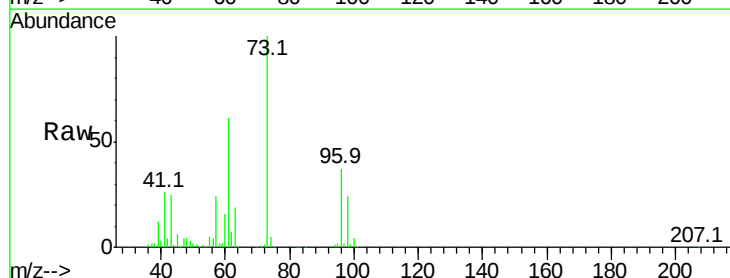
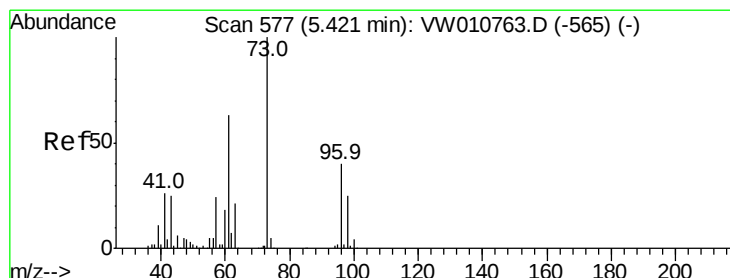
Tgt Ion: 96 Resp: 242655

Ion Ratio Lower Upper

96 100

61 163.3 111.5 207.1

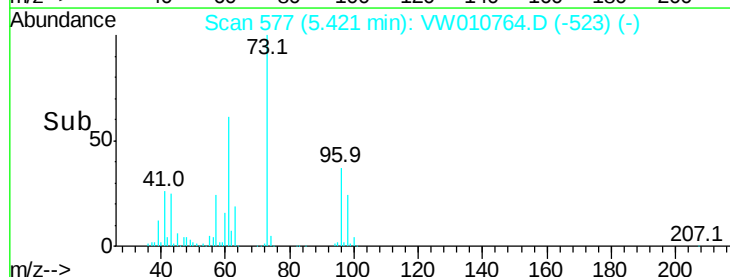
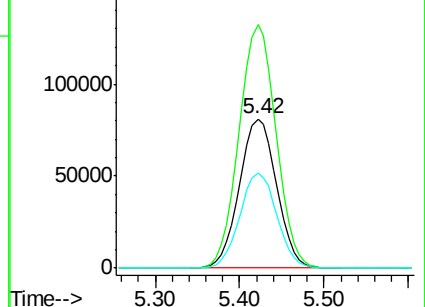
98 63.8 44.1 81.9

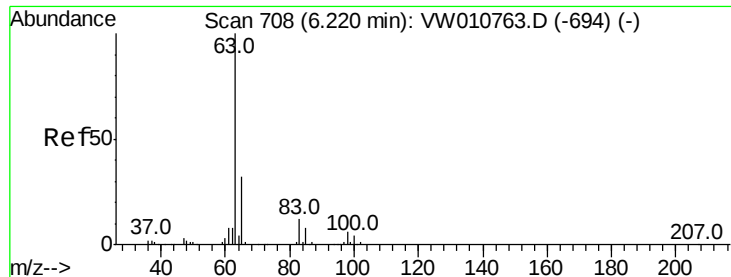


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

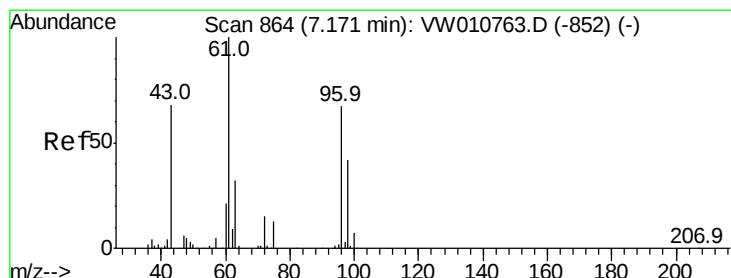
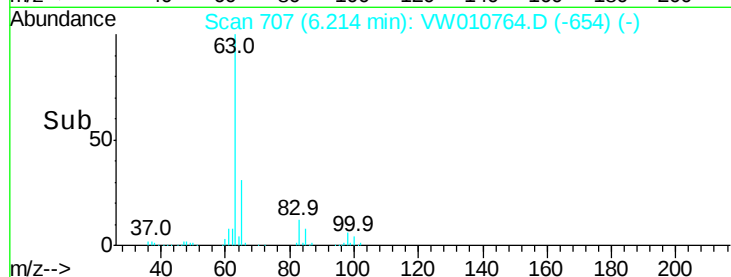
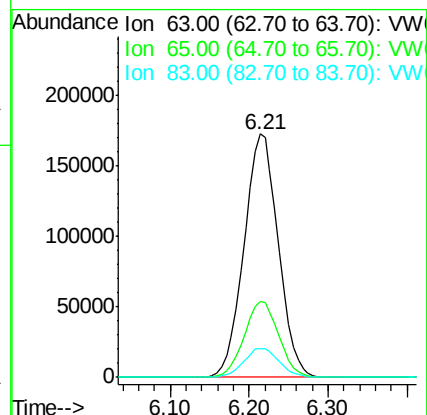
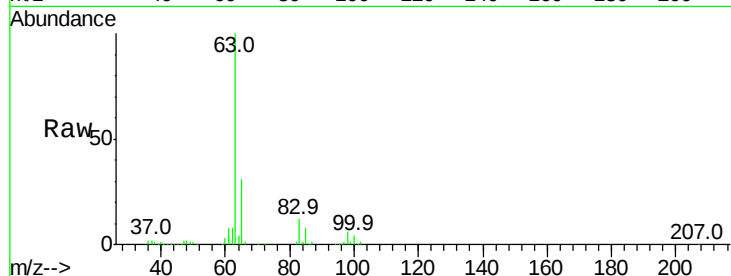




#19
 1,1-Dichloroethane
 Concen: 50.675 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

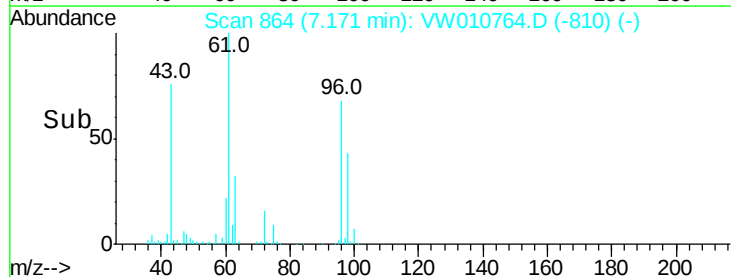
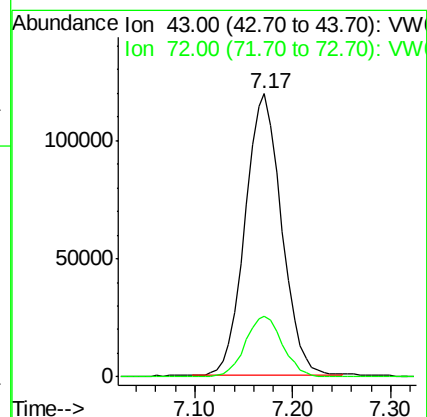
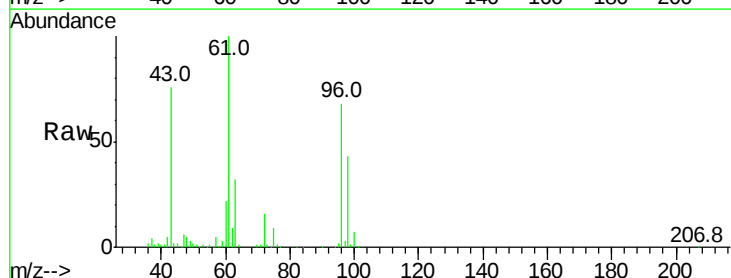
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05016

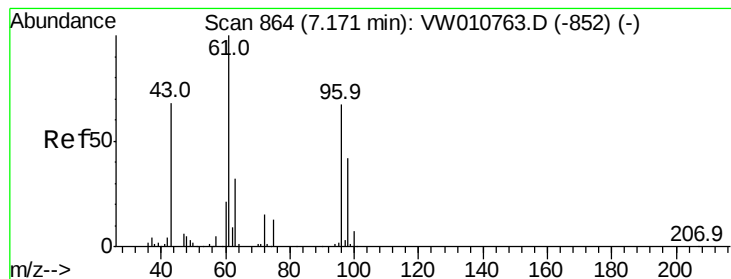
Tgt Ion: 63 Resp: 520121
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.2 41.2
 83 12.0 8.6 16.0



#21
 2-Butanone
 Concen: 124.404 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Tgt Ion: 43 Resp: 309248
 Ion Ratio Lower Upper
 43 100
 72 22.1 11.0 33.0



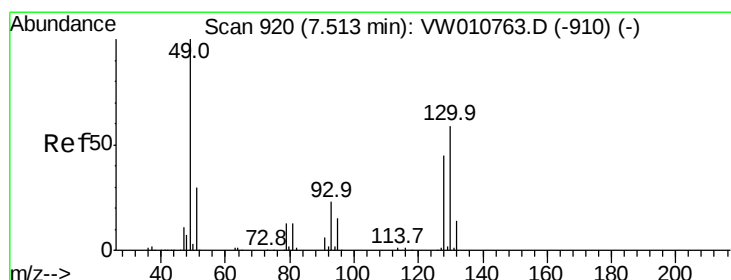
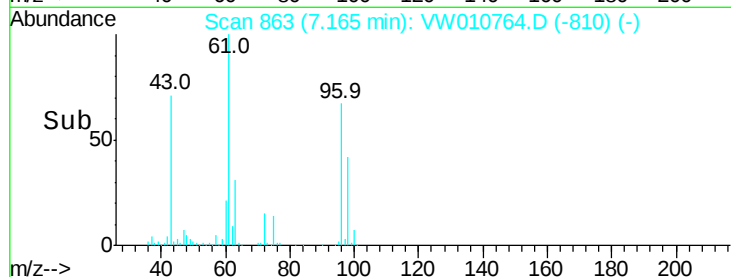
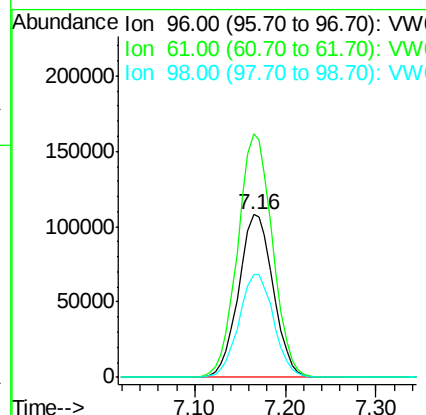
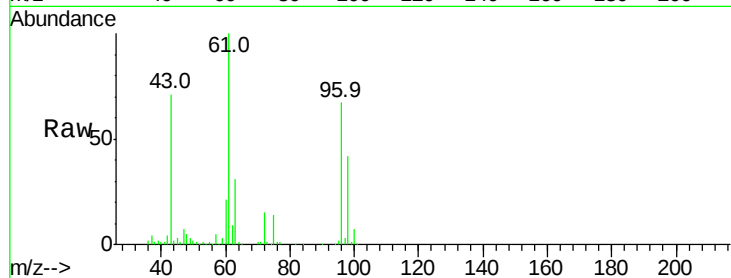


#22

cis-1,2-Dichloroethene
Concen: 50.422 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD05016

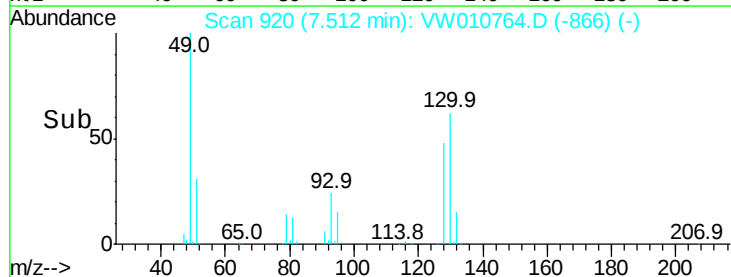
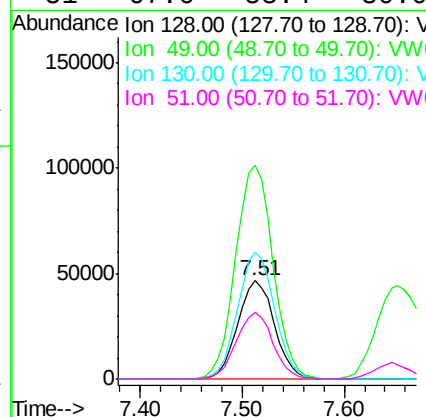
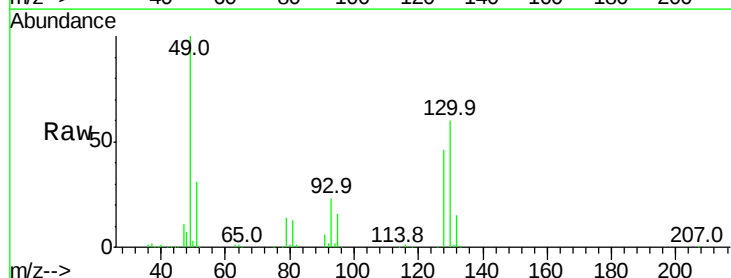
Tgt Ion: 96 Resp: 285161
Ion Ratio Lower Upper
96 100
61 149.6 105.3 195.6
98 63.4 44.6 82.8

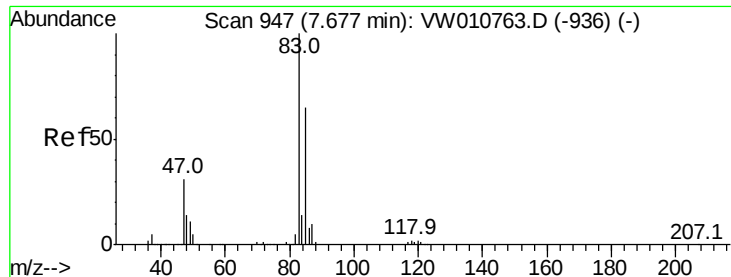


#23

Bromochloromethane
Concen: 45.084 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

Tgt Ion: 128 Resp: 116799
Ion Ratio Lower Upper
128 100
49 217.3 155.1 288.1
130 129.4 91.3 169.6
51 67.6 53.4 80.0





#25

Chloroform

Concen: 55.654 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

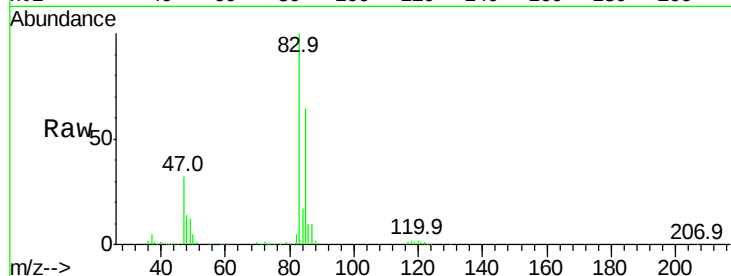
VSTD05016

Tgt Ion: 83 Resp: 564905

Ion Ratio Lower Upper

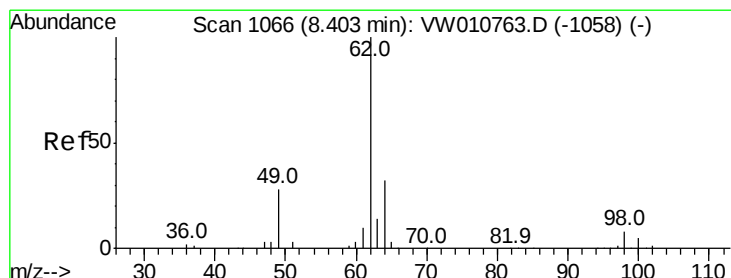
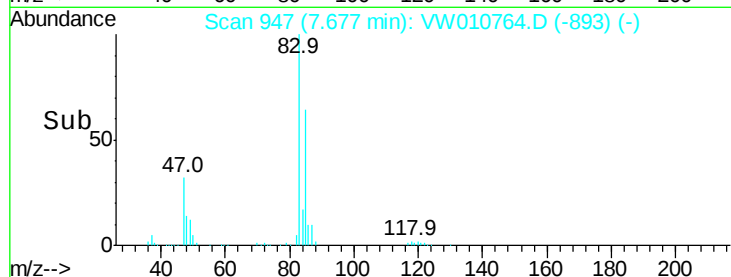
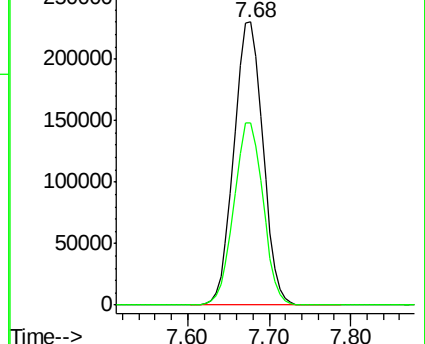
83 100

85 64.9 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 52.456 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW010764.D

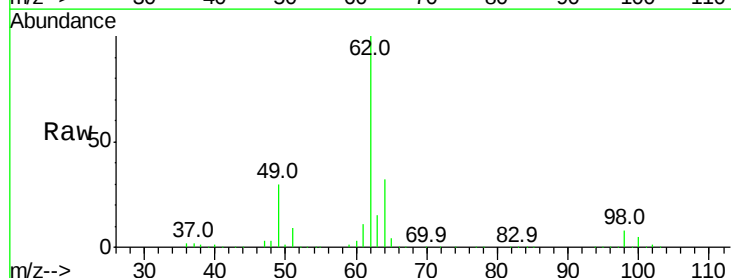
Acq: 11 Jun 2019 11:44

Tgt Ion: 62 Resp: 389679

Ion Ratio Lower Upper

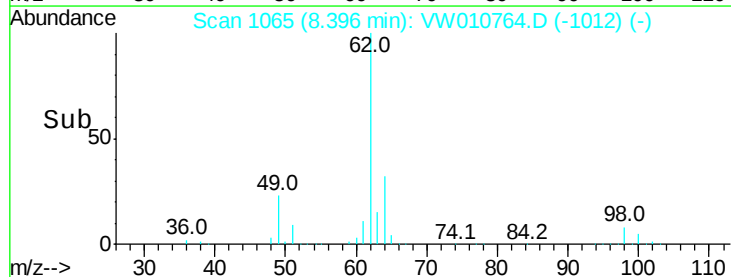
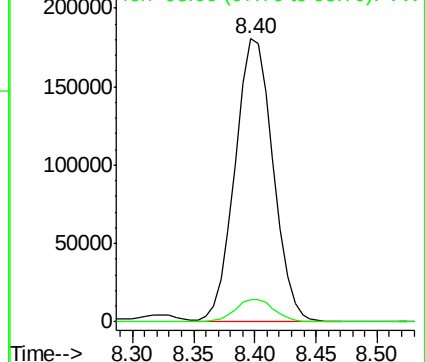
62 100

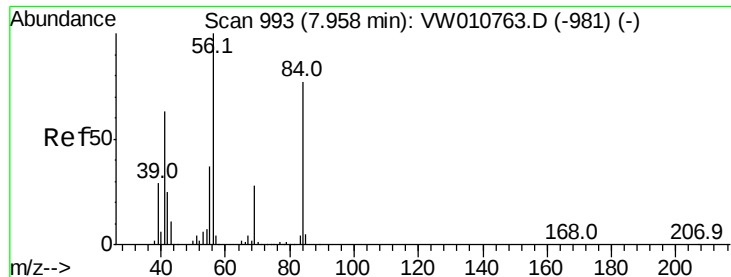
98 8.1 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

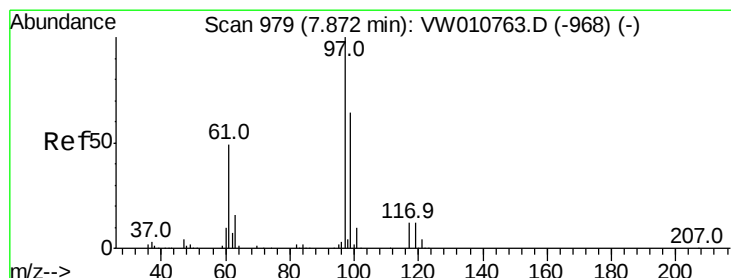
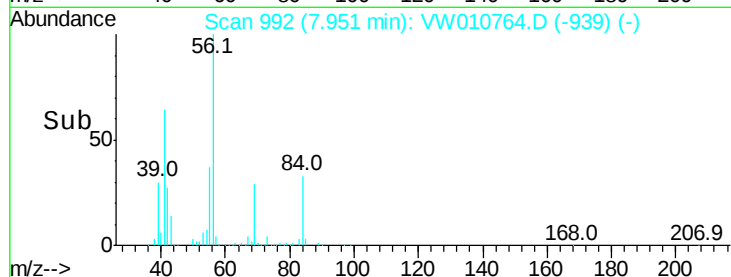
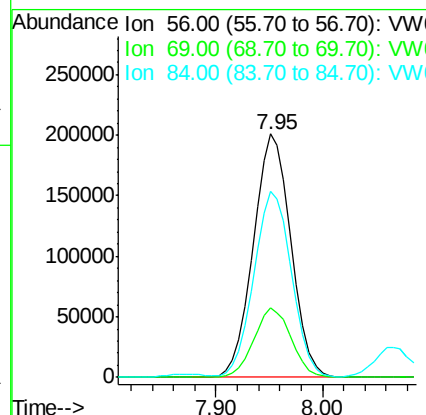
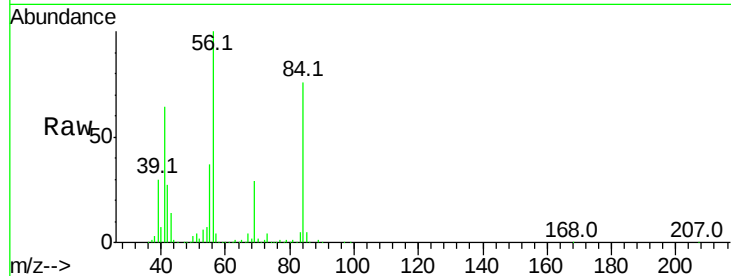




#30
Cyclohexane
Concen: 56.962 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

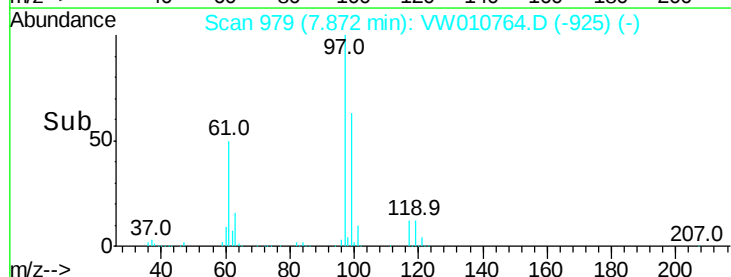
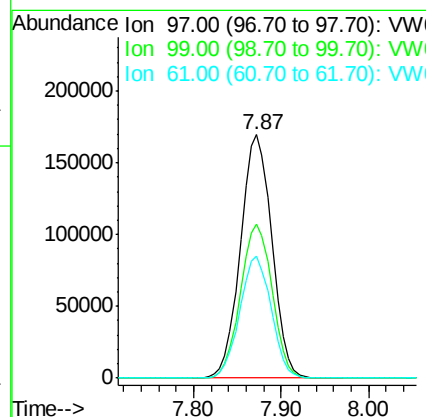
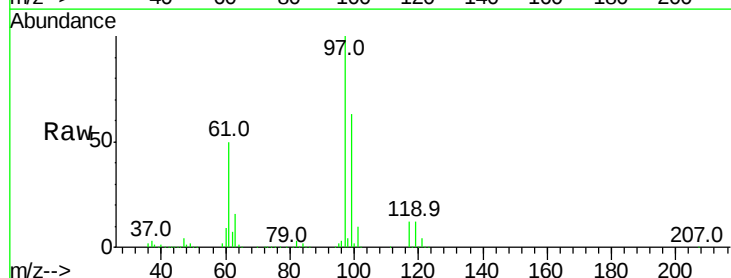
Instrument :
MSVOA_W
ClientSampleId :
VSTD05016

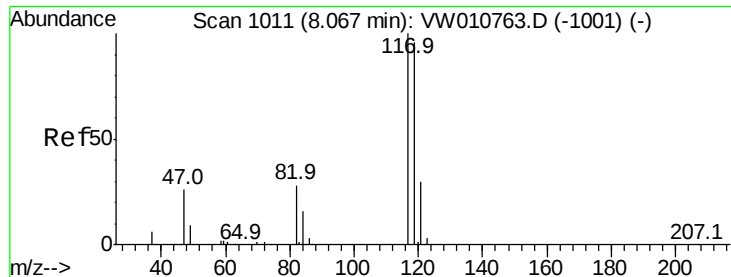
Tgt Ion: 56 Resp: 497081
Ion Ratio Lower Upper
56 100
69 28.3 22.6 33.8
84 76.8 61.1 91.7



#31
1,1,1-Trichloroethane
Concen: 57.834 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

Tgt Ion: 97 Resp: 423821
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 49.9 40.4 60.6





#32

Carbon tetrachloride

Concen: 47.438 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

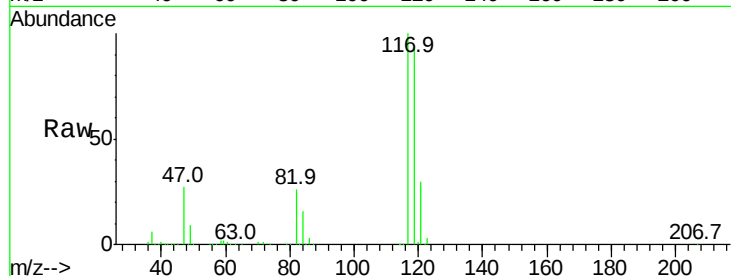
VSTD05016

Tgt Ion:117 Resp: 358036

Ion Ratio Lower Upper

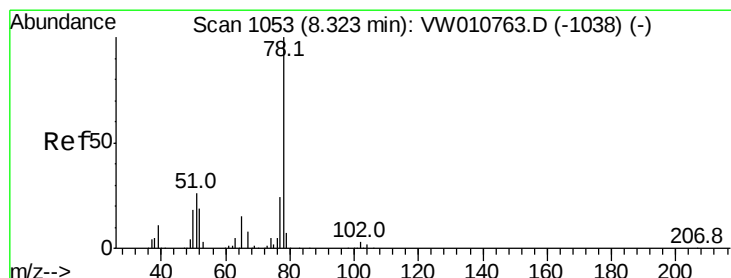
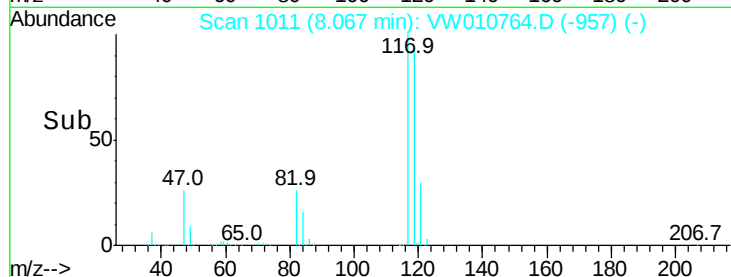
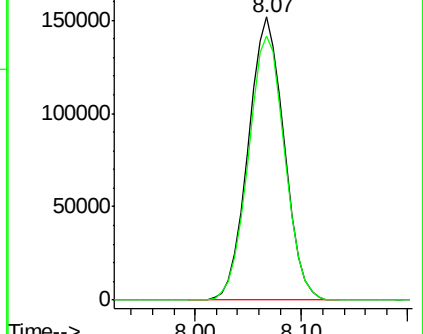
117 100

119 95.1 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 49.438 ug/L

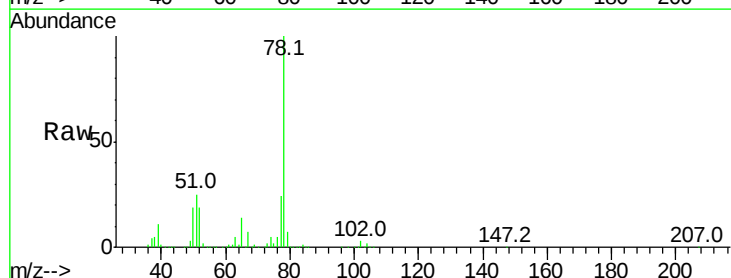
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

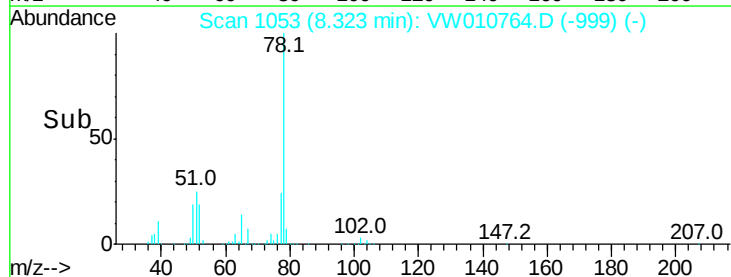
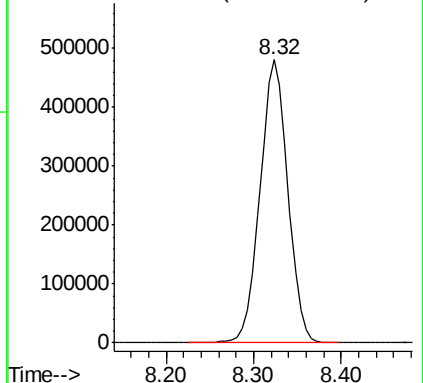
Lab File: VW010764.D

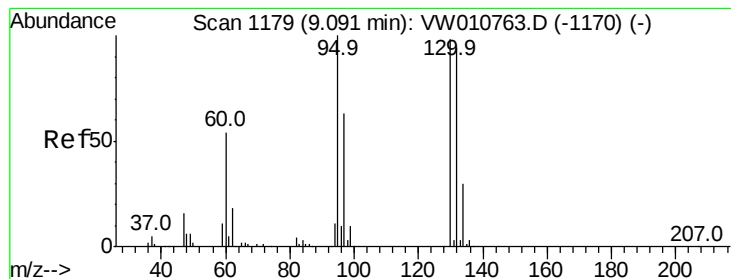
Acq: 11 Jun 2019 11:44

Tgt Ion: 78 Resp: 1063647



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 48.888 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05016

Tgt Ion: 95 Resp: 271710

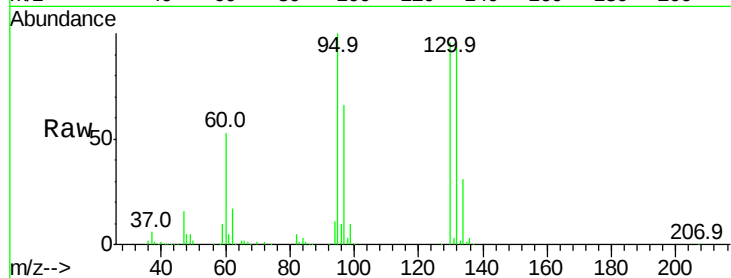
Ion Ratio Lower Upper

95 100

97 64.6 45.4 84.2

132 92.8 65.0 120.6

130 95.8 68.3 126.9

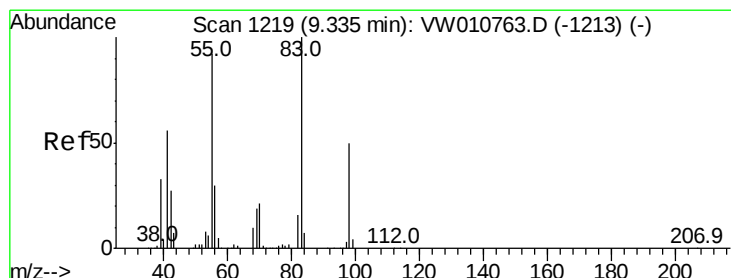
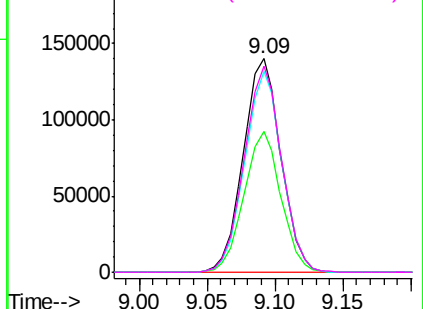
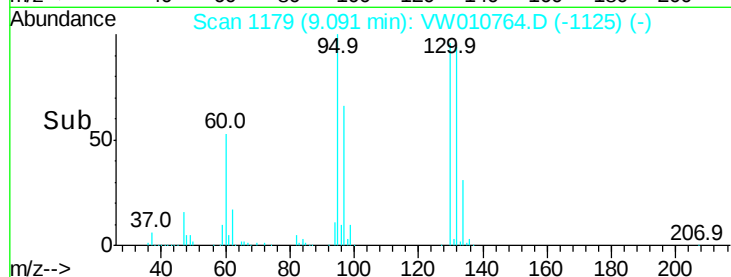


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 50.610 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

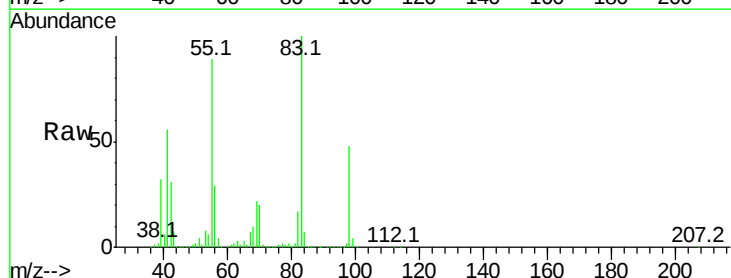
Tgt Ion: 83 Resp: 472035

Ion Ratio Lower Upper

83 100

55 88.5 71.6 107.4

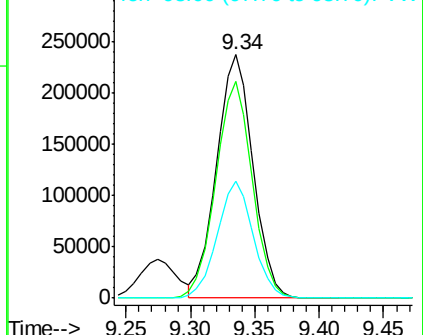
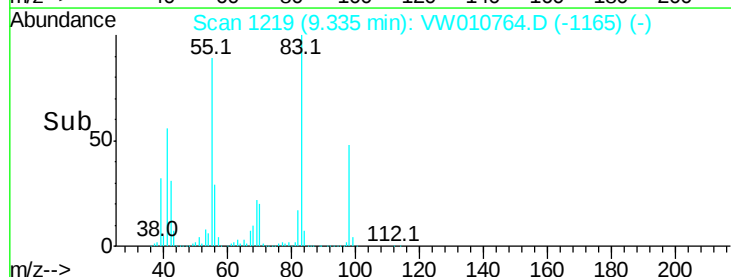
98 47.4 38.2 57.2

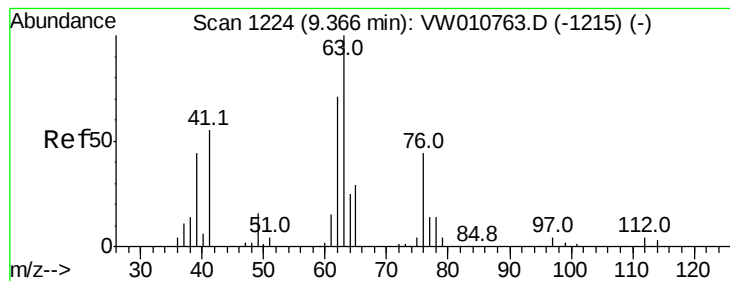


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 54.454 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

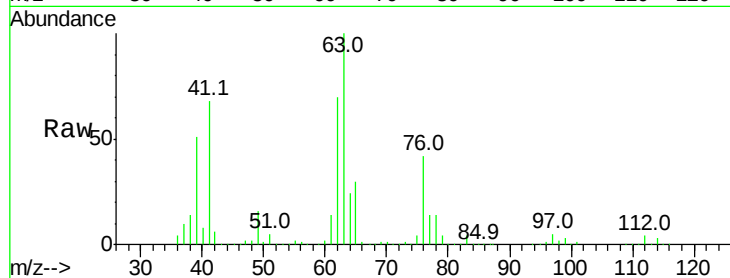
VSTD05016

Tgt Ion: 63 Resp: 304087

Ion Ratio Lower Upper

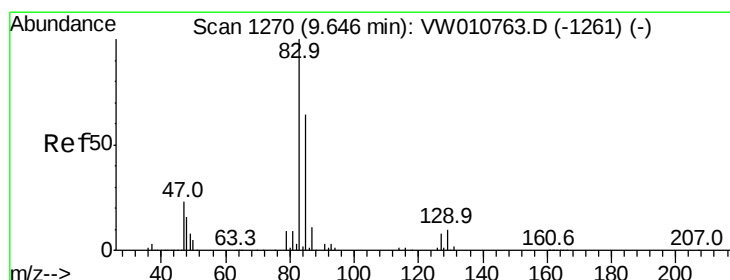
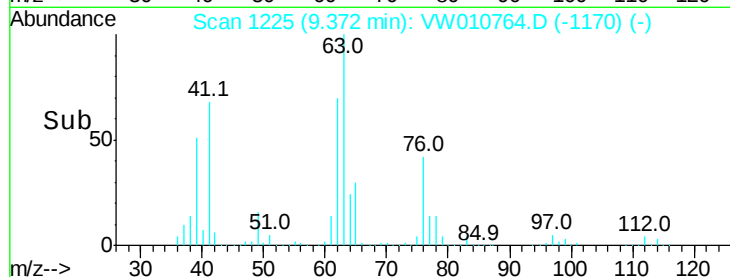
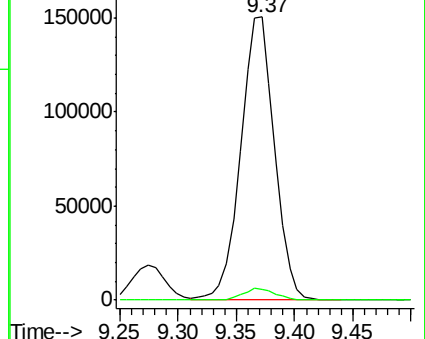
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 52.457 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

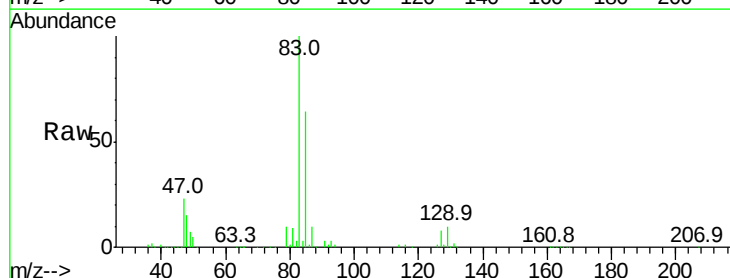
Tgt Ion: 83 Resp: 379327

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

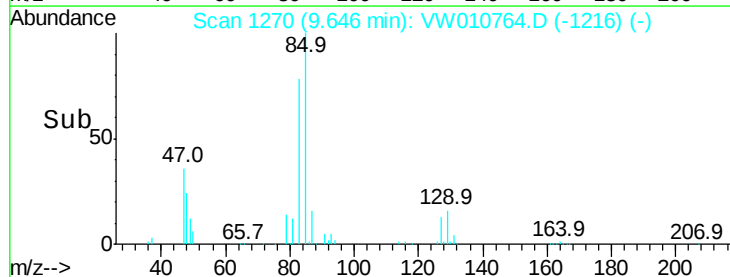
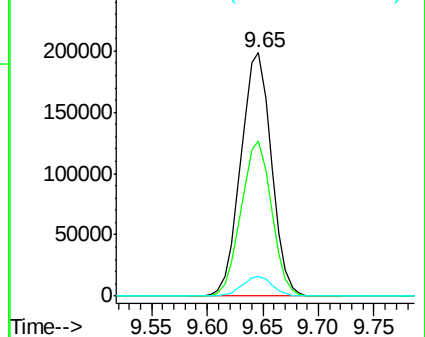
127 8.1 6.6 10.0

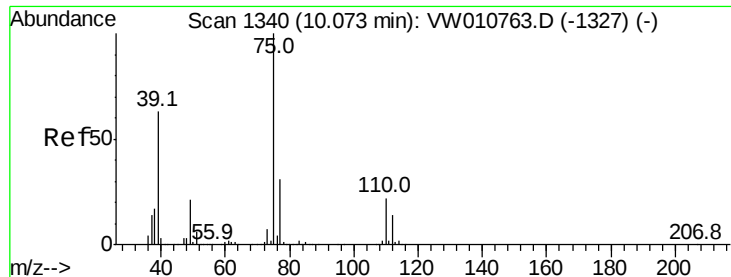


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

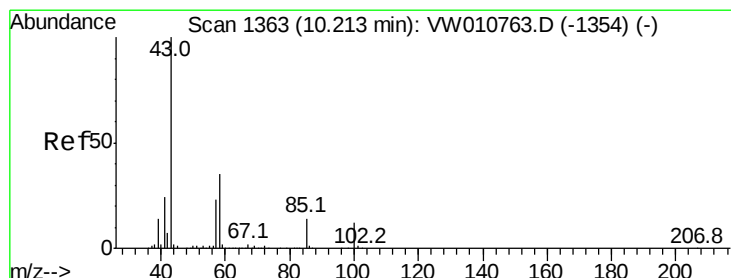
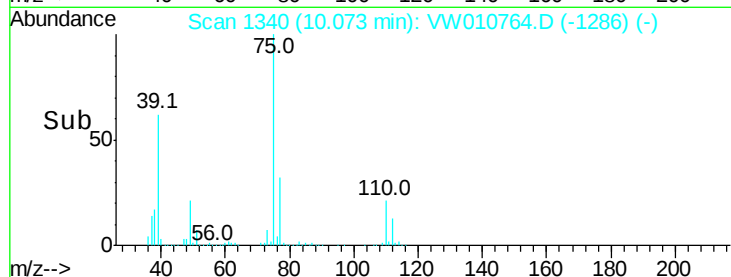
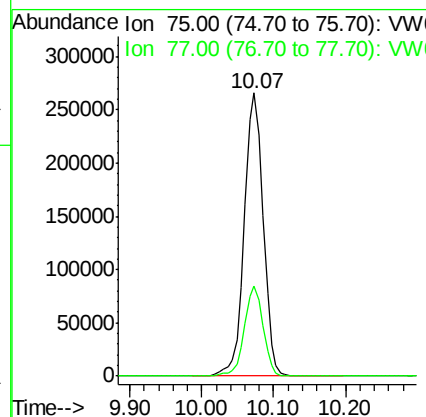
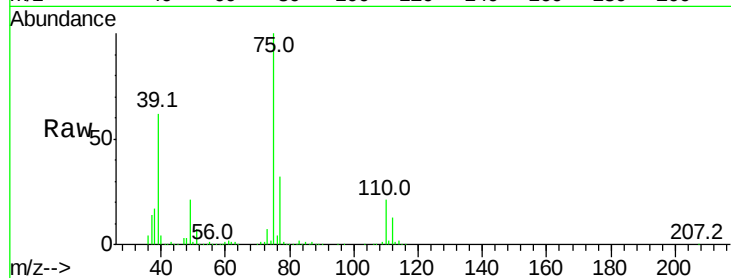




#42
 cis-1,3-Dichloropropene
 Concen: 57.703 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

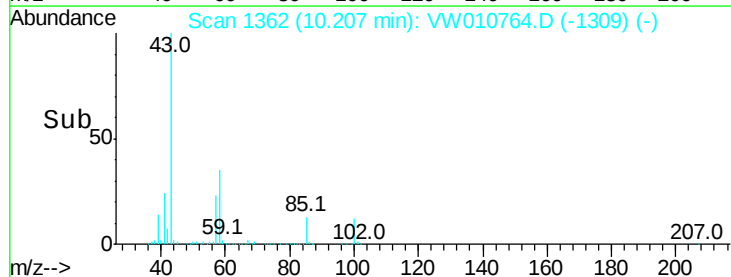
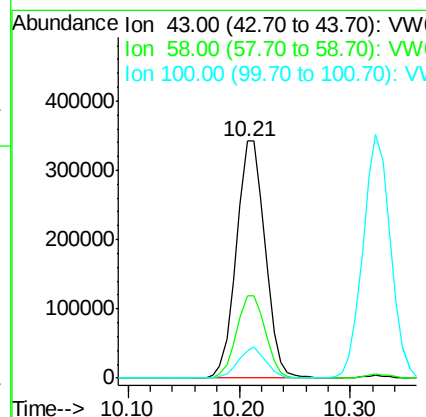
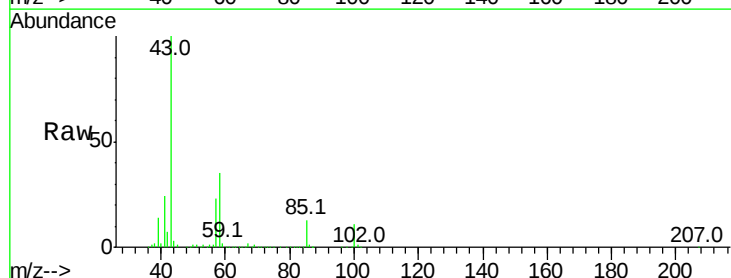
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05016

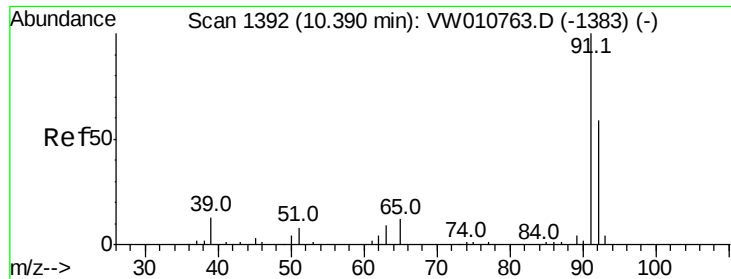
Tgt Ion: 75 Resp: 485390
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 128.354 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Tgt Ion: 43 Resp: 611505
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.0 42.0
 100 12.2 9.8 14.6





#44

Toluene

Concen: 50.021 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

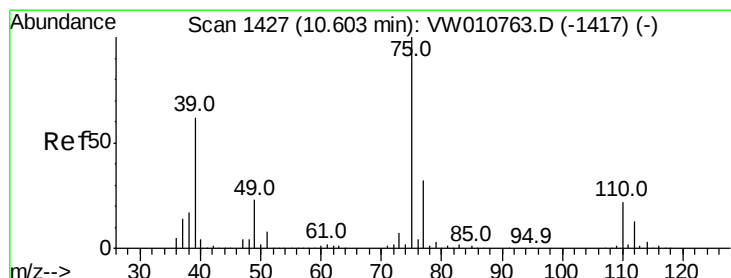
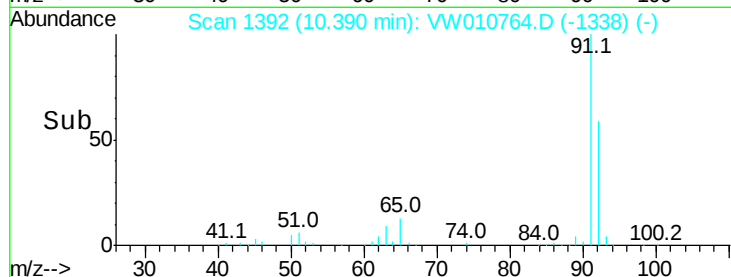
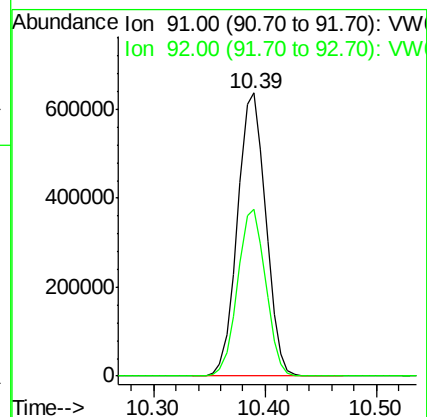
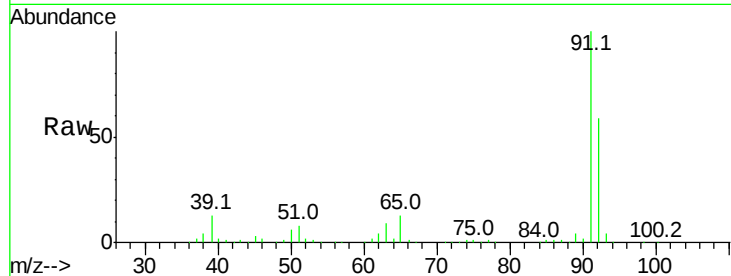
VSTD05016

Tgt Ion: 91 Resp: 1120257

Ion Ratio Lower Upper

91 100

92 58.7 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 58.229 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010764.D

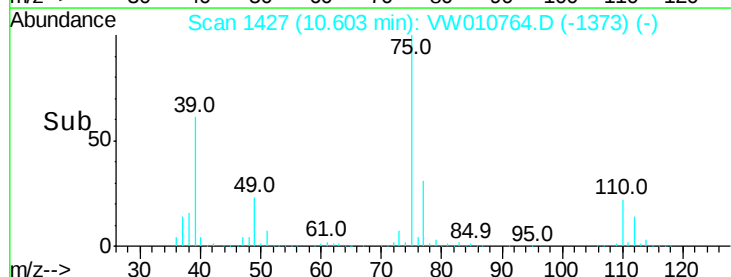
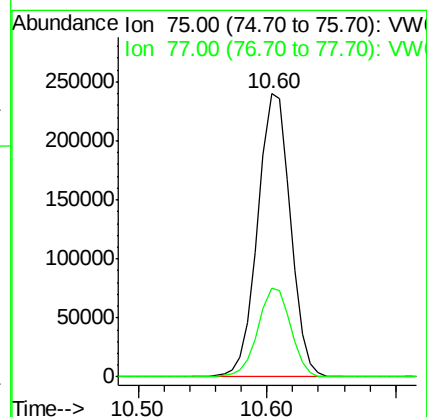
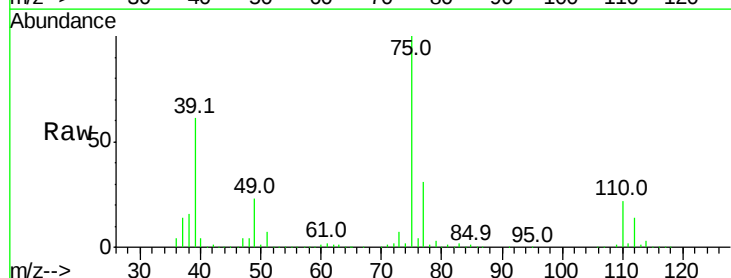
Acq: 11 Jun 2019 11:44

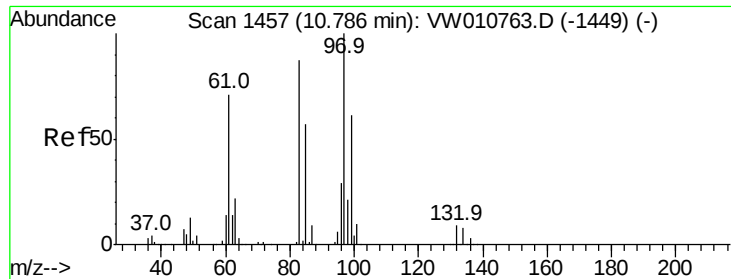
Tgt Ion: 75 Resp: 421472

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 51.823 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05016

Tgt Ion: 97 Resp: 220377

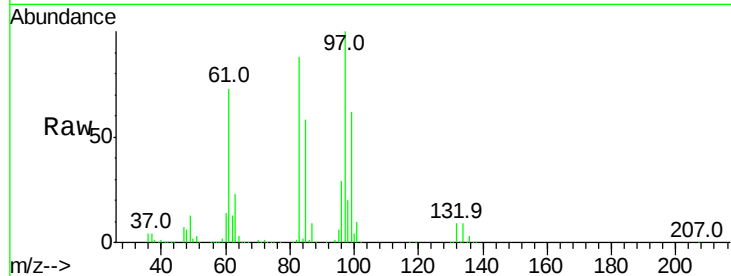
Ion Ratio Lower Upper

97 100

83 88.2 60.8 113.0

85 57.9 39.8 73.8

99 62.4 42.7 79.3

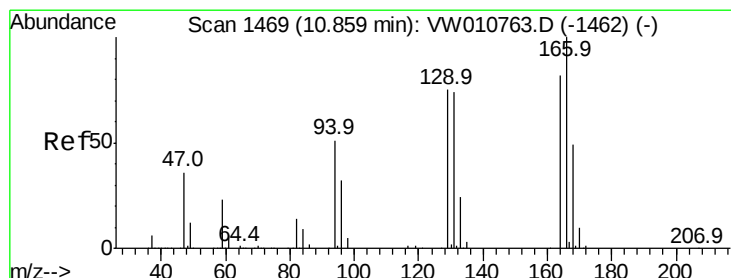
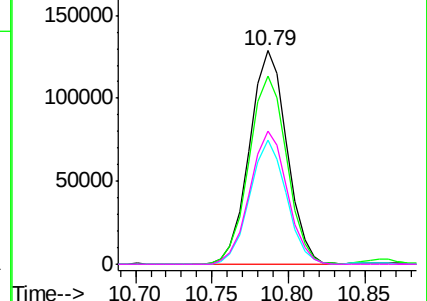
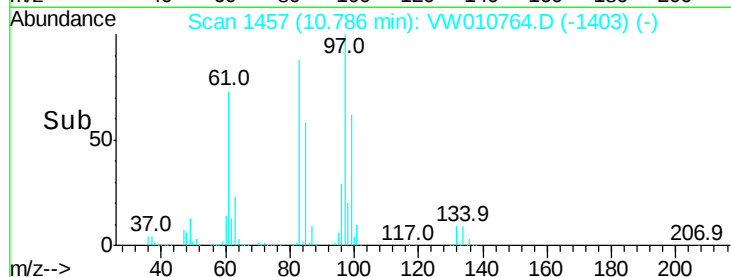


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 47.523 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Tgt Ion: 164 Resp: 203345

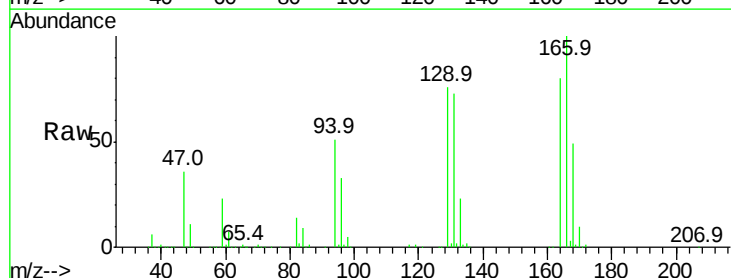
Ion Ratio Lower Upper

164 100

129 94.8 64.5 119.7

131 91.4 63.6 118.0

166 125.1 85.8 159.3

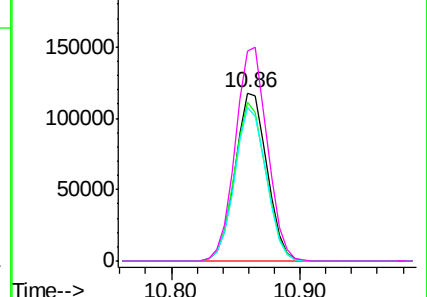
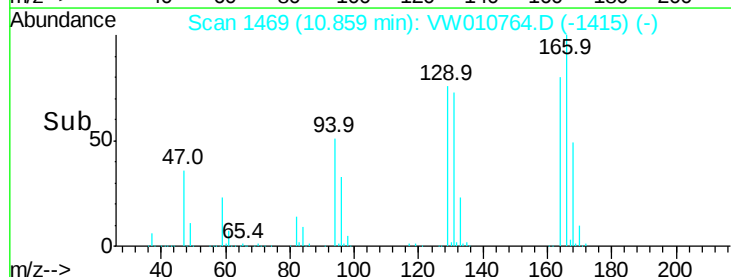


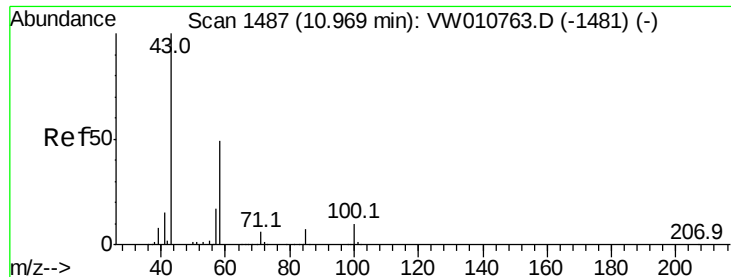
Abundance Ion 164.00 (163.70 to 164.70): V

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

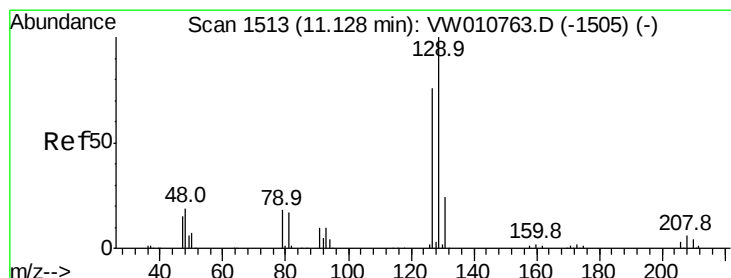
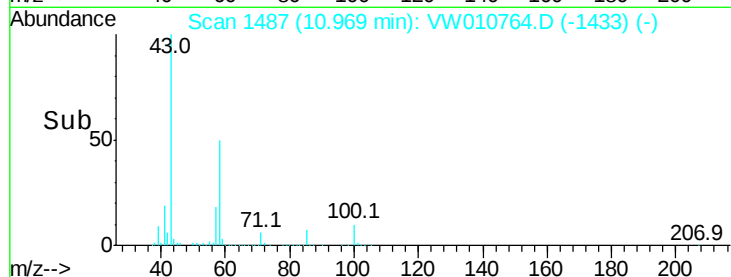
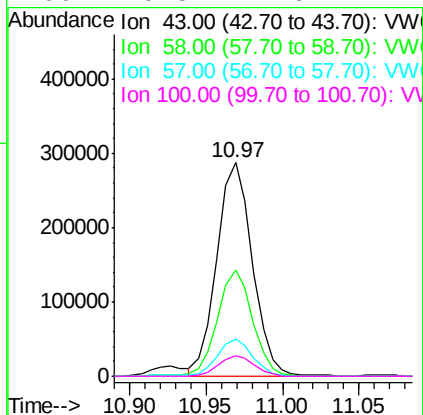
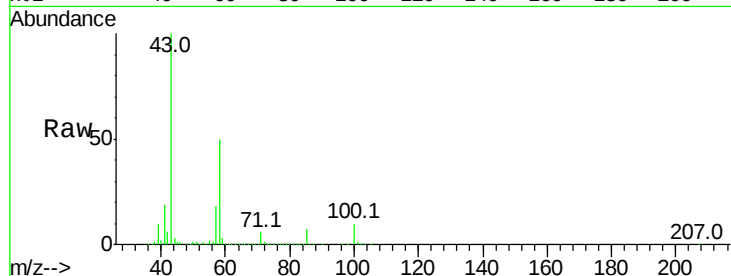




#49
2-Hexanone
Concen: 131.808 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

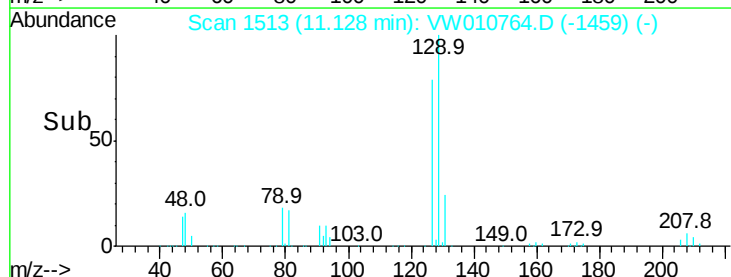
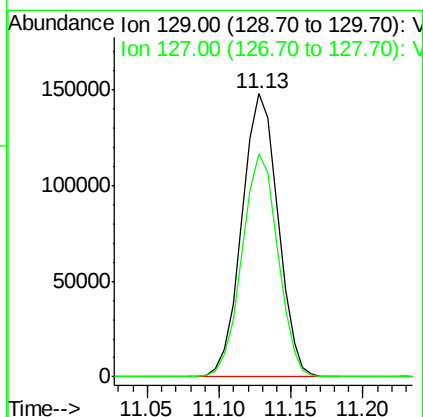
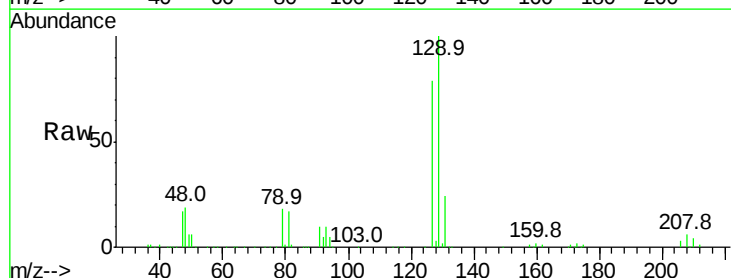
Instrument :
MSVOA_W
ClientSampleId :
VSTD05016

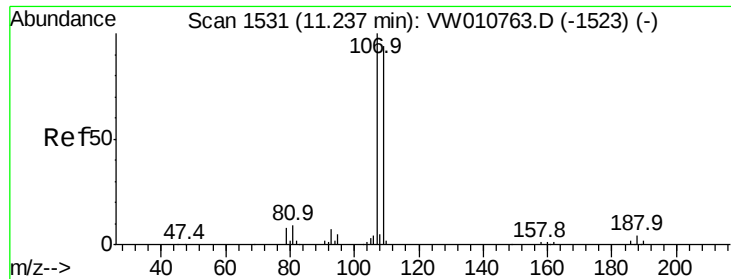
Tgt Ion: 43 Resp: 463298
Ion Ratio Lower Upper
43 100
58 49.1 39.5 59.3
57 17.3 13.8 20.8
100 9.5 7.6 11.4



#50
Dibromochloromethane
Concen: 52.622 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

Tgt Ion: 129 Resp: 257037
Ion Ratio Lower Upper
129 100
127 78.8 53.1 98.7

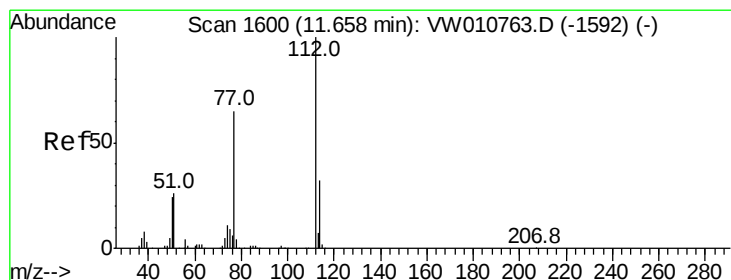
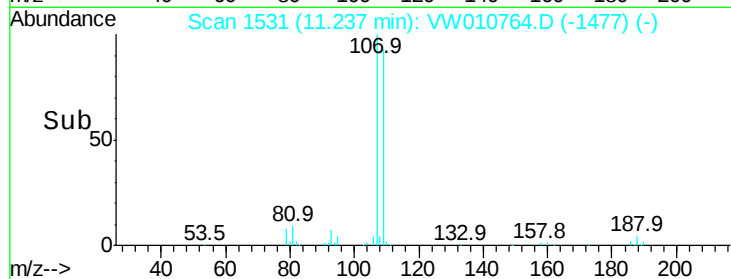
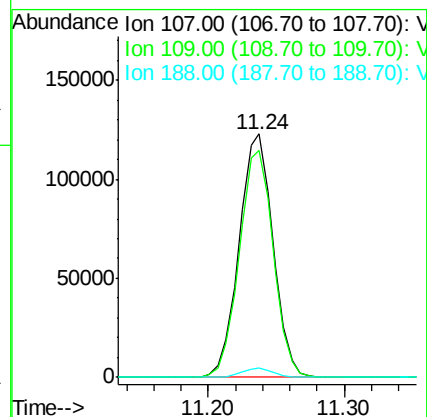
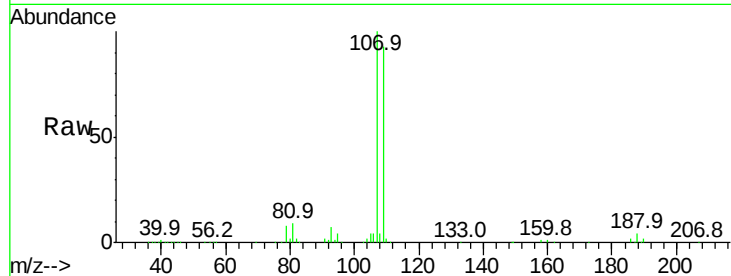




#51
 1,2-Dibromoethane
 Concen: 51.344 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

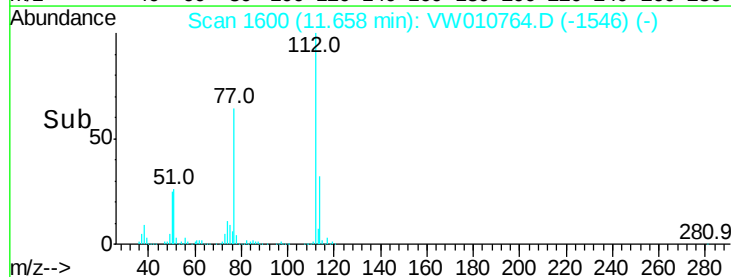
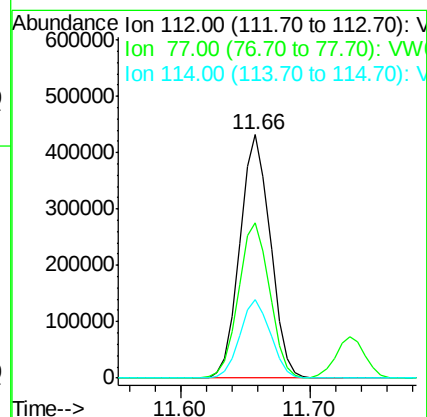
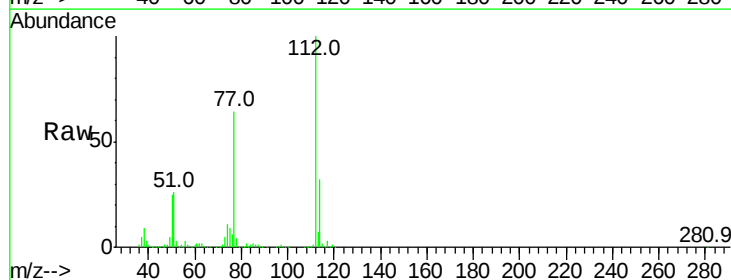
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05016

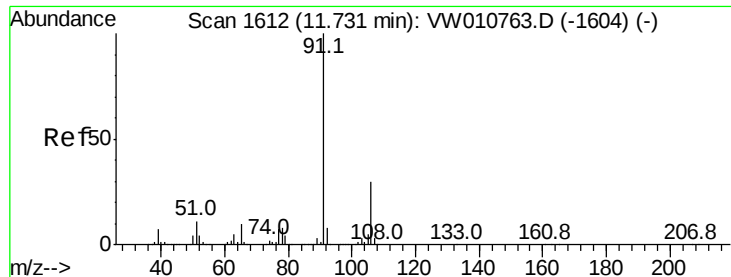
Tgt Ion:107 Resp: 213121
 Ion Ratio Lower Upper
 107 100
 109 93.2 66.0 122.6
 188 3.7 3.1 4.7



#52
 Chlorobenzene
 Concen: 49.373 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Tgt Ion:112 Resp: 708247
 Ion Ratio Lower Upper
 112 100
 77 64.0 51.8 77.8
 114 32.0 22.1 41.1





#53

Ethylbenzene

Concen: 51.767 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

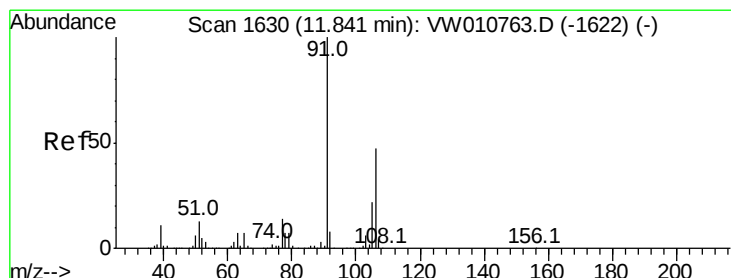
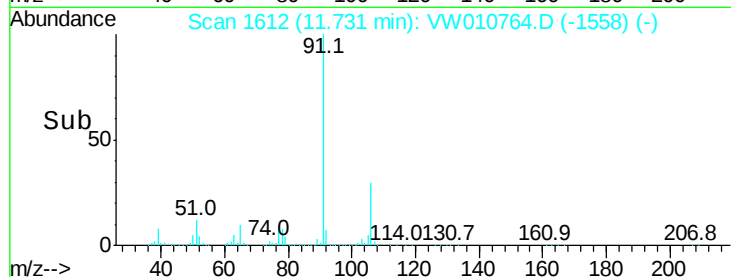
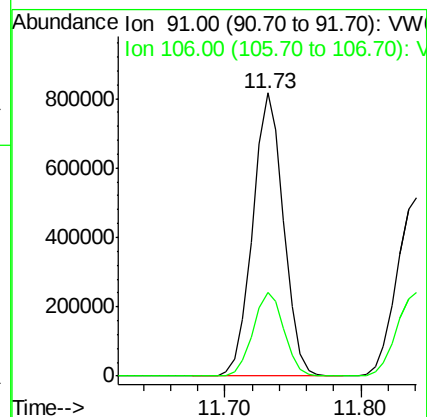
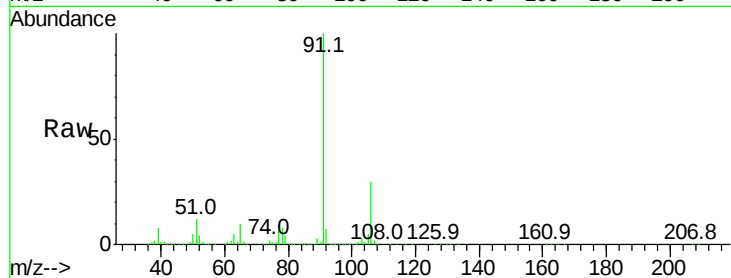
VSTD05016

Tgt Ion: 91 Resp: 1294308

Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



#54

m,p-Xylene

Concen: 50.045 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010764.D

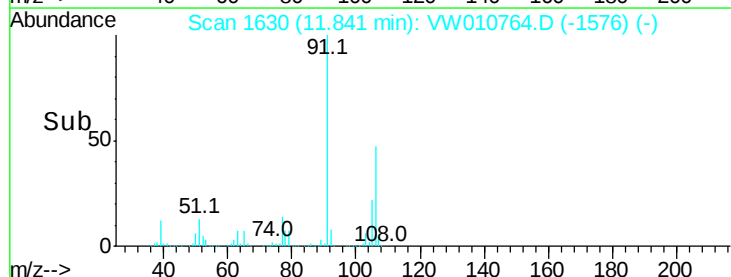
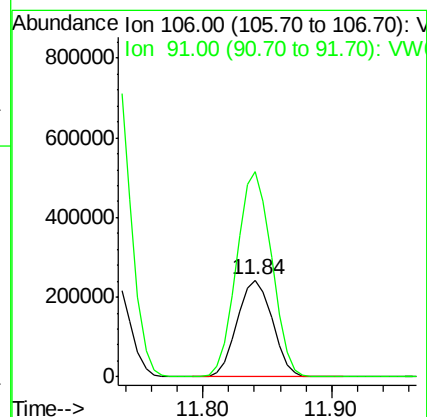
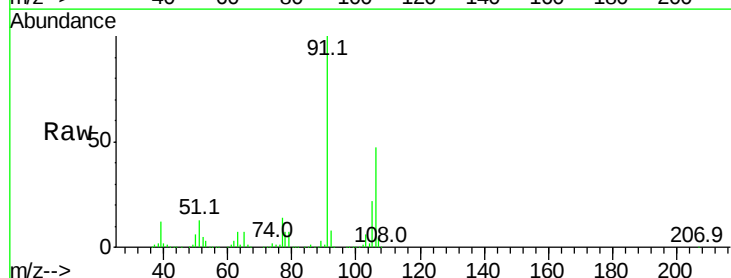
Acq: 11 Jun 2019 11:44

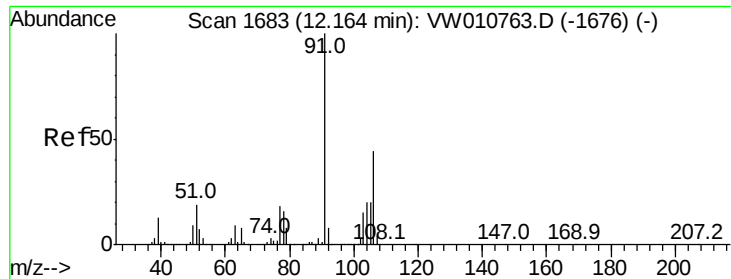
Tgt Ion: 106 Resp: 461000

Ion Ratio Lower Upper

106 100

91 211.7 148.7 276.1

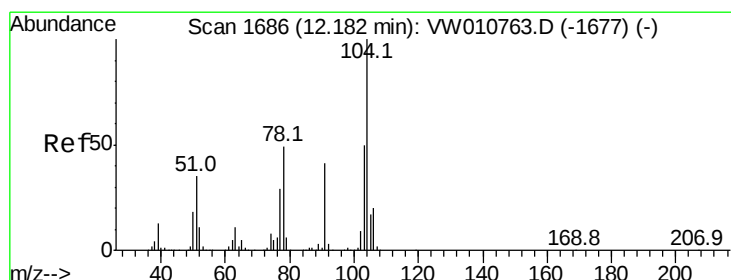
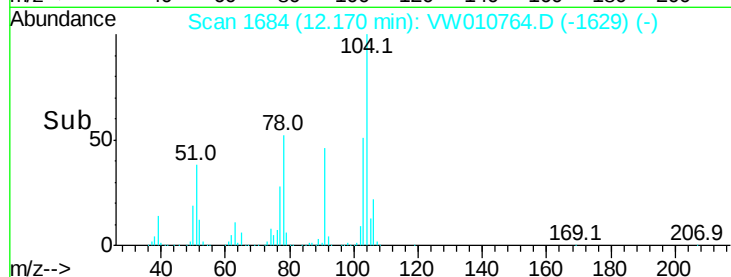
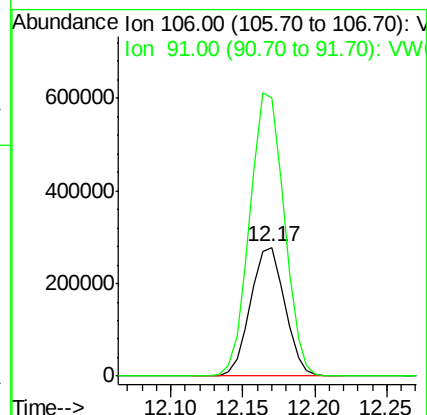
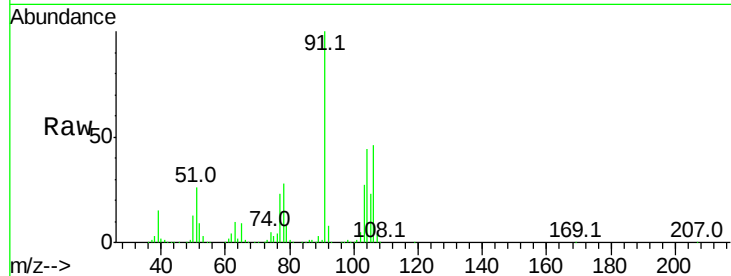




#55
o-xylene
Concen: 52.850 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

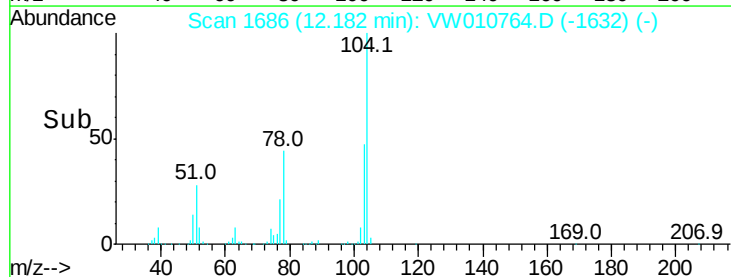
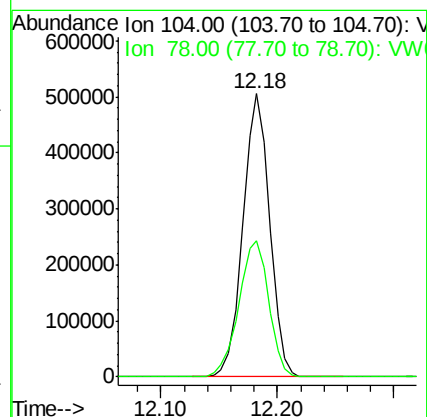
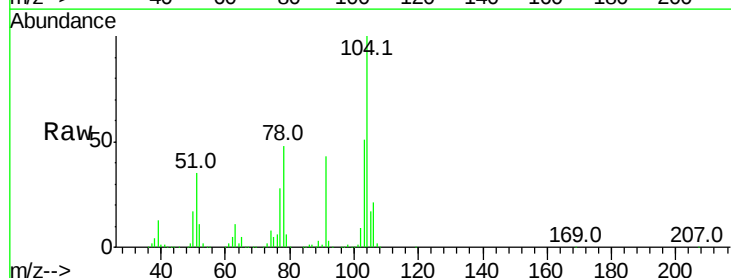
Instrument :
MSVOA_W
ClientSampleId :
VSTD05016

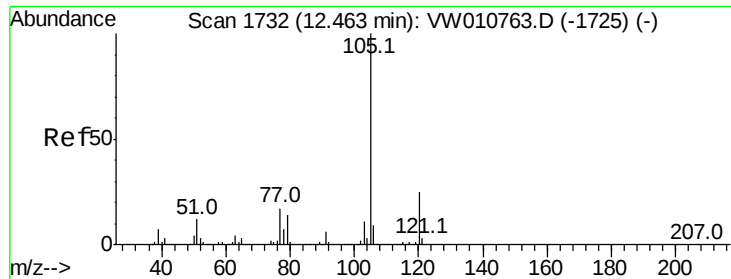
Tgt Ion:106 Resp: 459221
Ion Ratio Lower Upper
106 100
91 215.9 157.8 293.1



#56
Styrene
Concen: 53.416 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010764.D
Acq: 11 Jun 2019 11:44

Tgt Ion:104 Resp: 809452
Ion Ratio Lower Upper
104 100
78 47.9 34.2 63.4





#57

Isopropylbenzene

Concen: 53.112 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05016

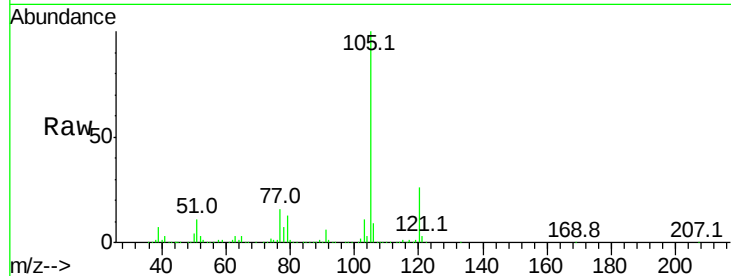
Tgt Ion:105 Resp: 1250657

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

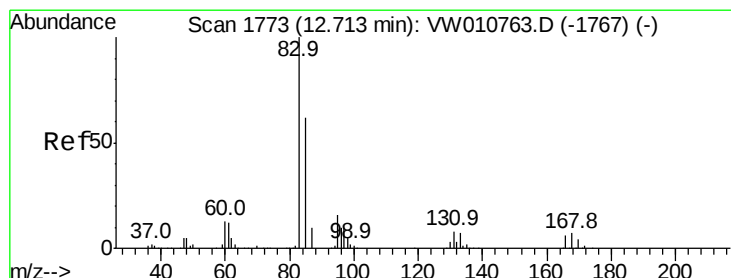
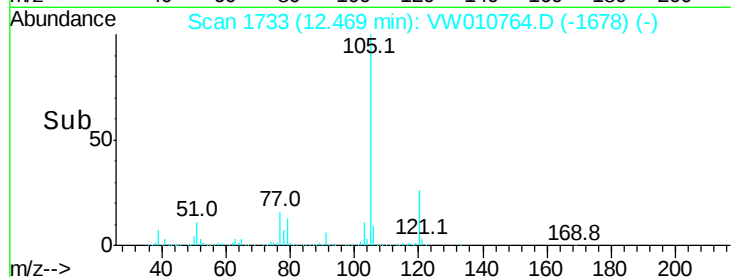
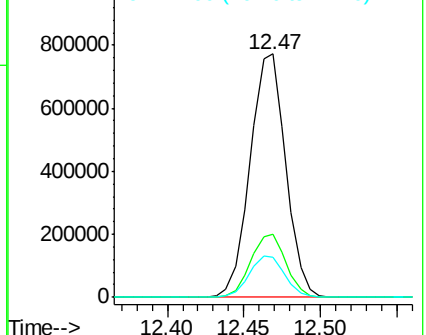
77 17.0 13.6 20.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 53.009 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

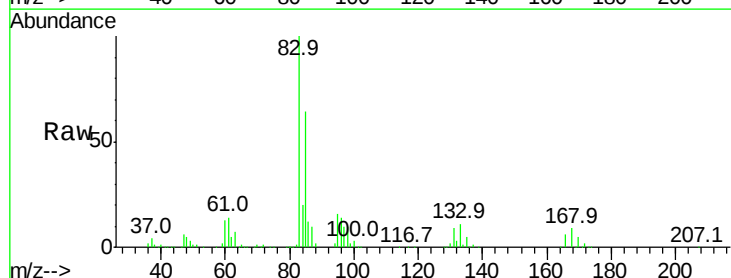
Tgt Ion: 83 Resp: 302373

Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.6

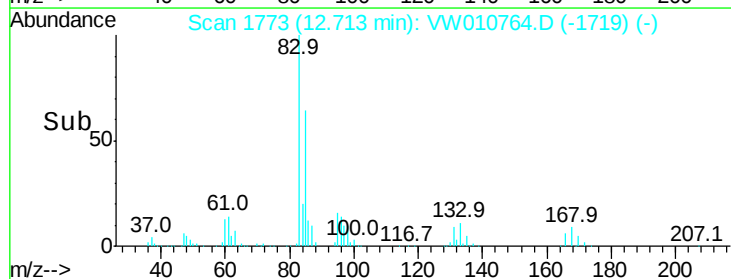
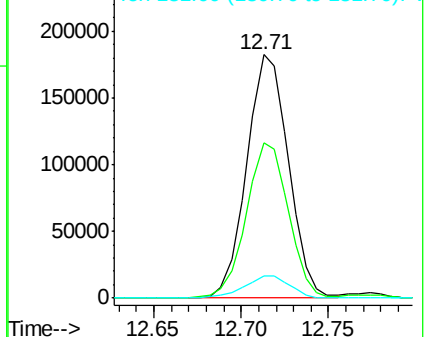
131 8.9 7.0 10.6

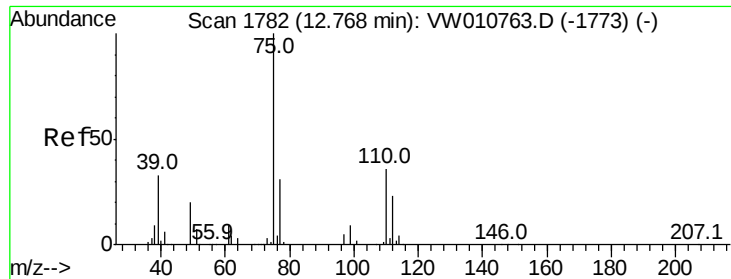


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

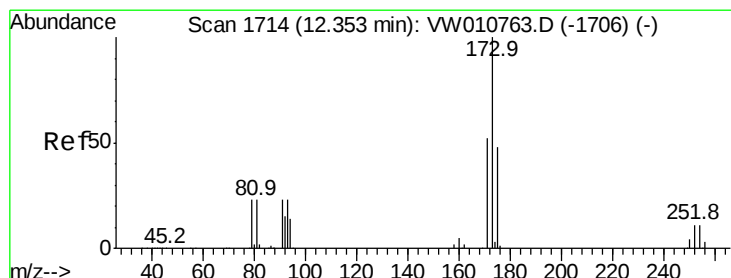
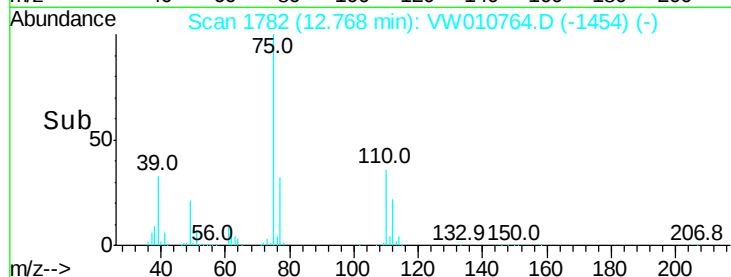
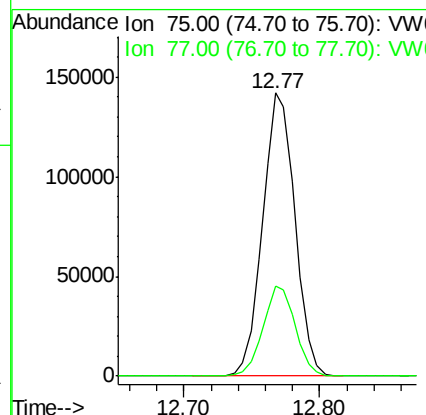
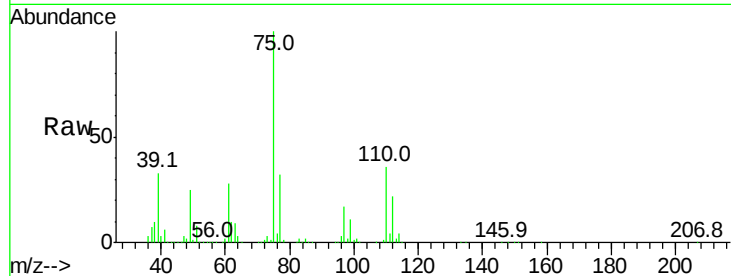




#59
 1,2,3-Trichloropropane
 Concen: 54.448 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

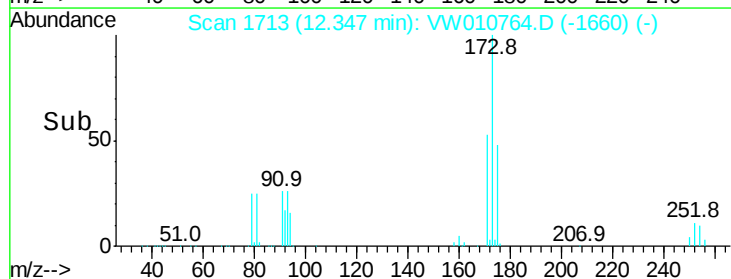
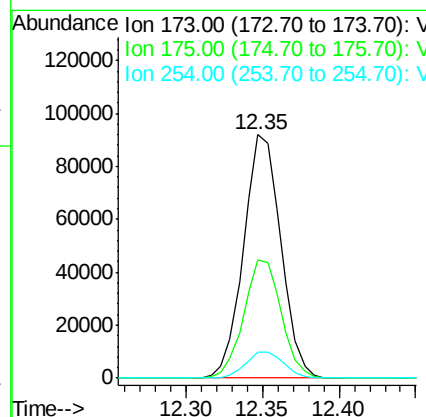
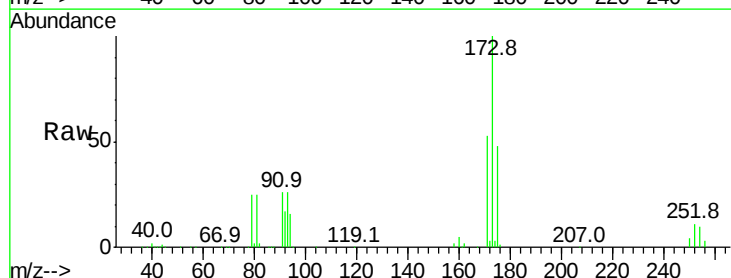
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05016

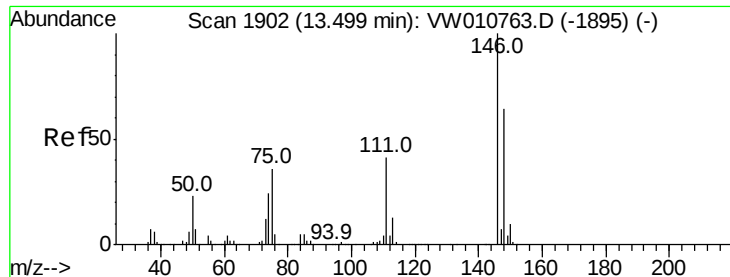
Tgt Ion: 75 Resp: 236489
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4



#62
 Bromoform
 Concen: 54.227 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Tgt Ion: 173 Resp: 155803
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.7 58.1
 254 10.9 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 53.032 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

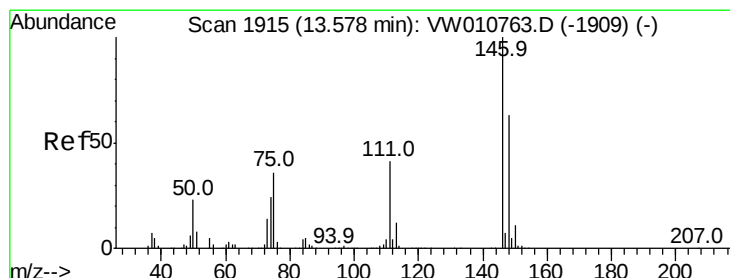
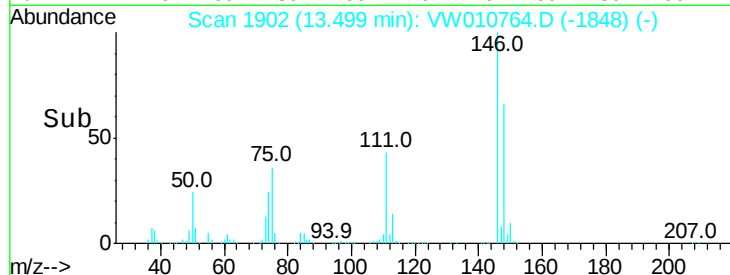
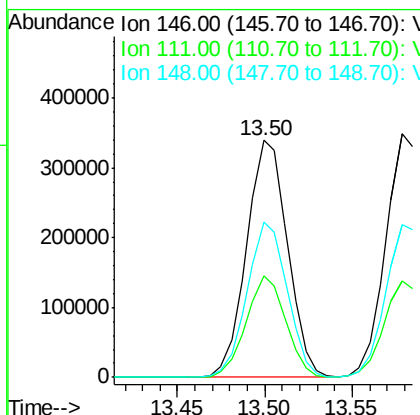
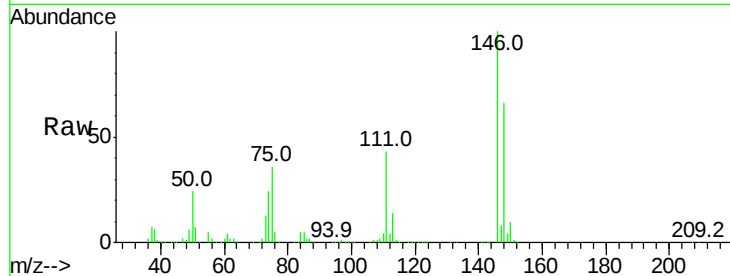
Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD05016

Tgt Ion:146 Resp: 551600

Ion	Ratio	Lower	Upper
146	100		
111	43.1	28.6	53.2
148	65.6	44.4	82.5



#64

1,4-Dichlorobenzene

Concen: 49.986 ug/L

RT: 13.58 min Scan# 1915

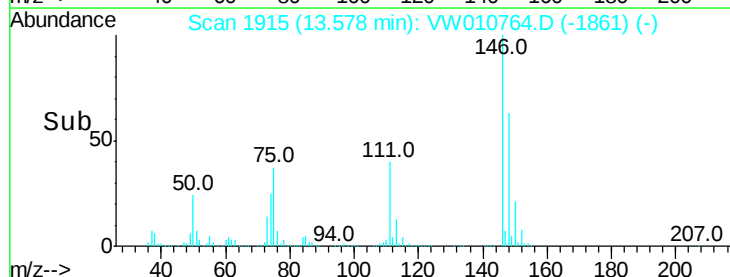
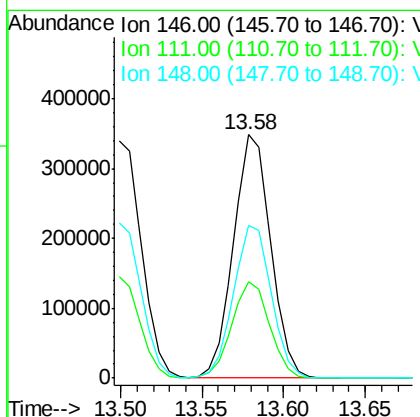
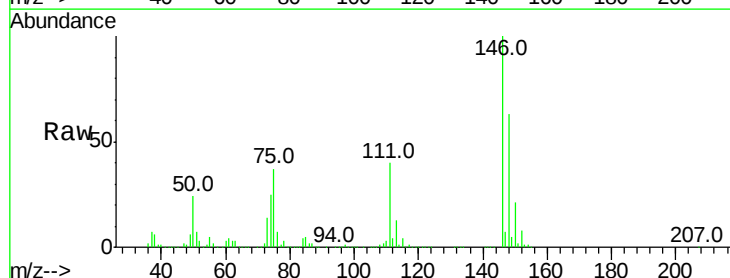
Delta R.T. -0.00 min

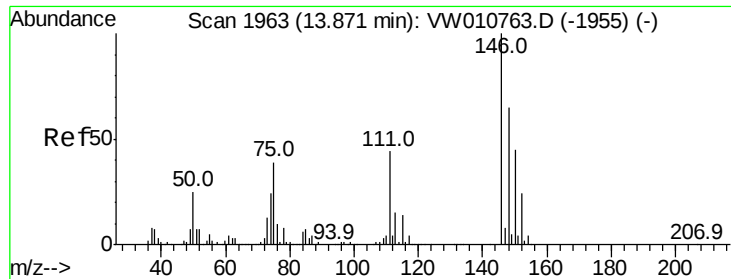
Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Tgt Ion:146 Resp: 555402

Ion	Ratio	Lower	Upper
146	100		
111	39.7	29.0	53.9
148	62.7	44.4	82.4

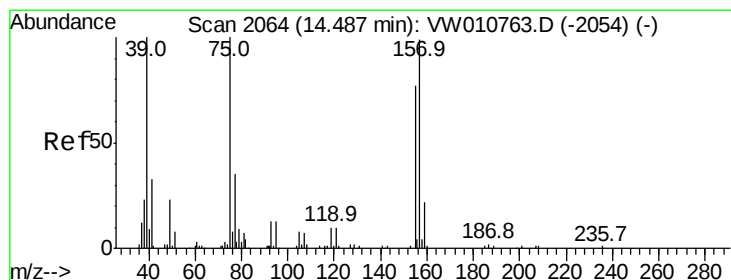
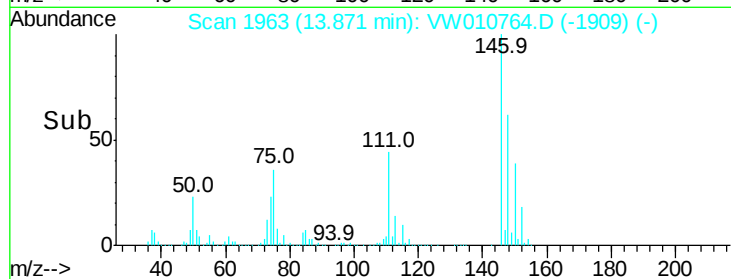
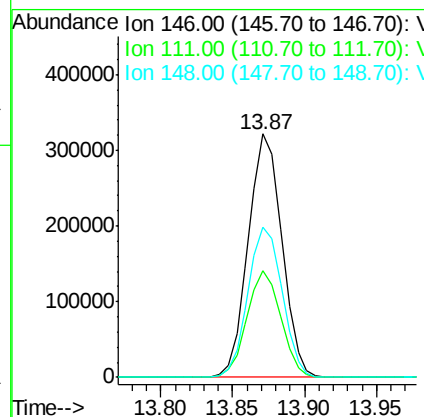
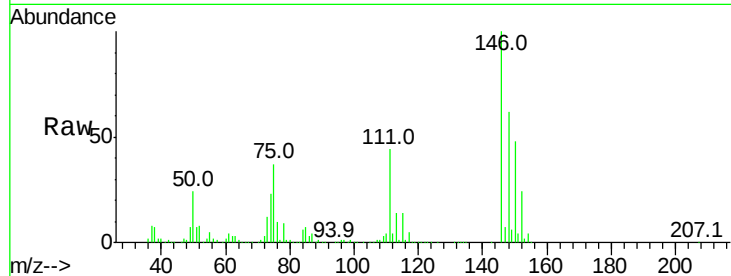




#65
 1,2-Dichlorobenzene
 Concen: 51.709 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

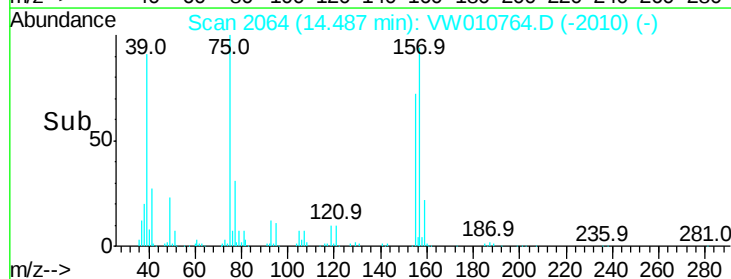
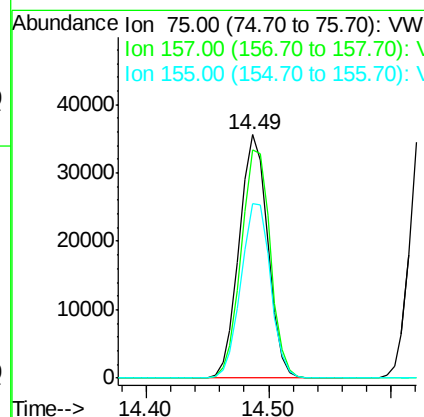
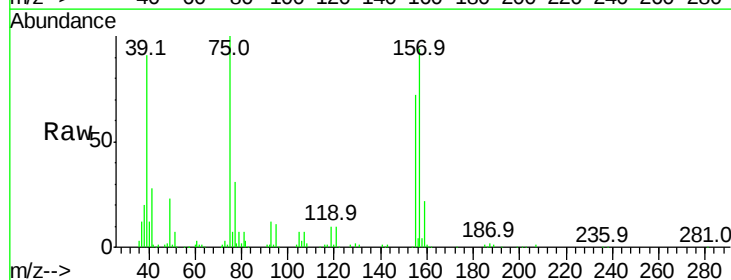
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05016

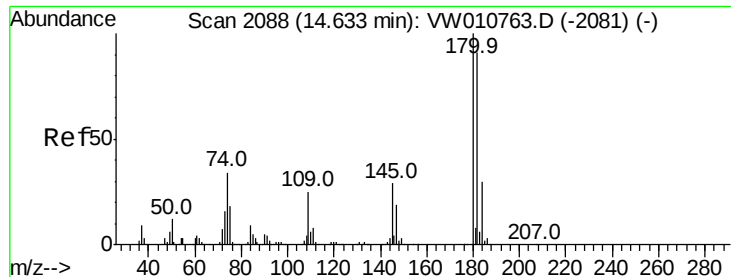
Tgt Ion: 146 Resp: 519356
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.3 52.9
 148 61.9 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.745 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Tgt Ion: 75 Resp: 57405
 Ion Ratio Lower Upper
 75 100
 157 93.9 79.1 118.7
 155 71.9 62.0 93.0

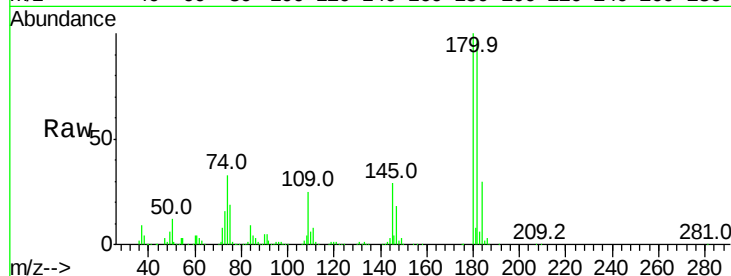




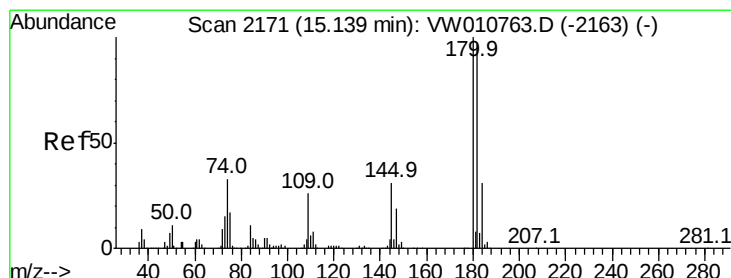
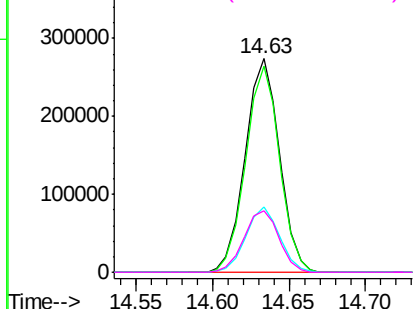
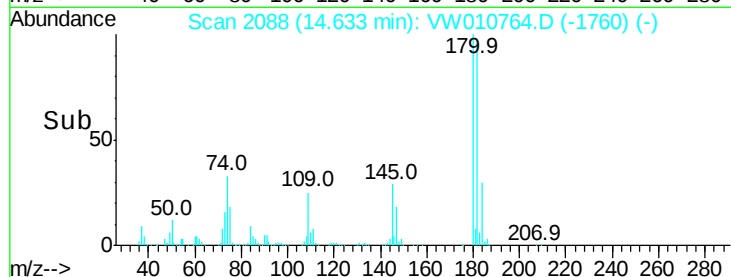
#67
 1,3,5-Trichlorobenzene
 Concen: 54.210 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05016

Tgt Ion:180 Resp: 426053
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.0 24.6 37.0
 145 29.8 24.1 36.1

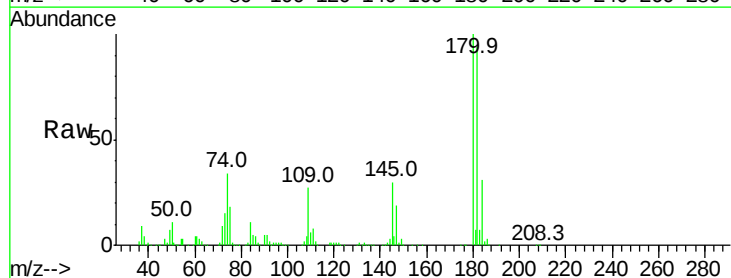


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

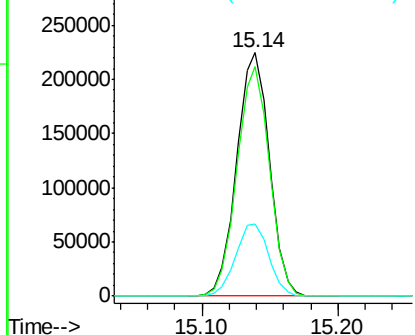
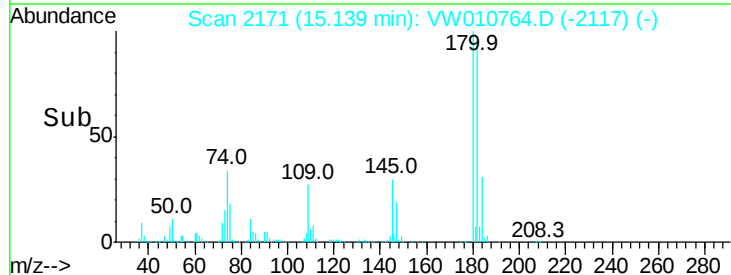


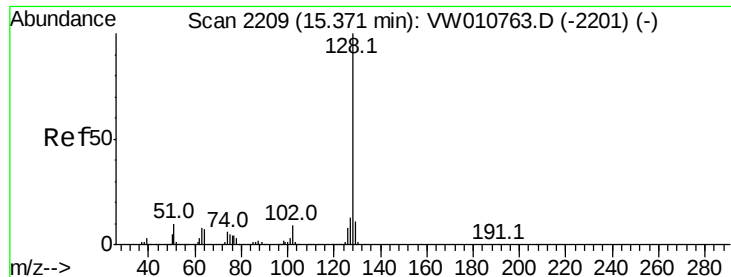
#68
 1,2,4-trichlorobenzene
 Concen: 59.220 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010764.D
 Acq: 11 Jun 2019 11:44

Tgt Ion:180 Resp: 376742
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.4 114.6
 145 30.2 24.8 37.2



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





#69

Naphthalene

Concen: 60.398 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05016

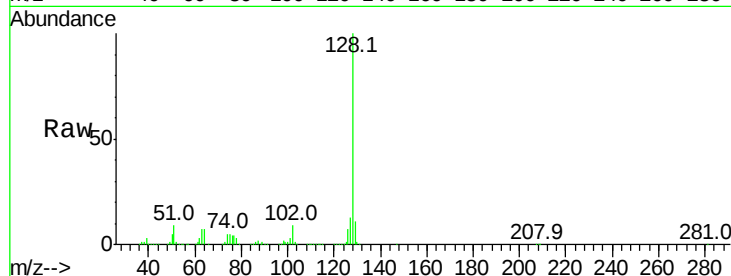
Tgt Ion:128 Resp: 851124

Ion Ratio Lower Upper

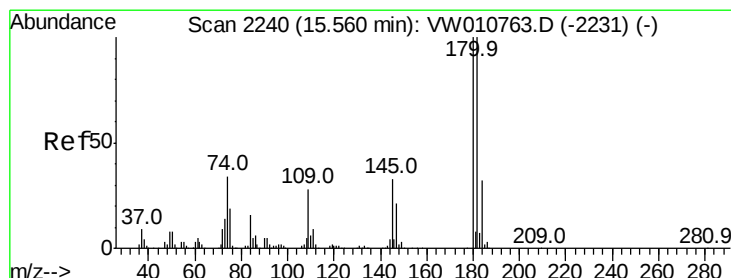
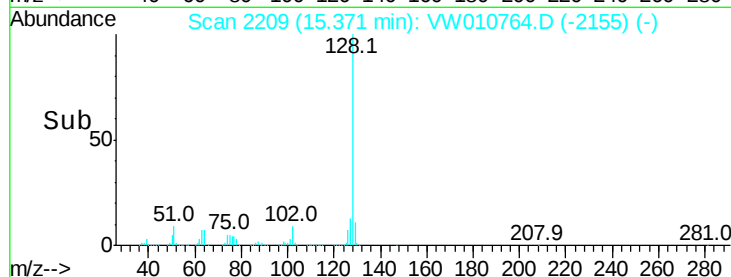
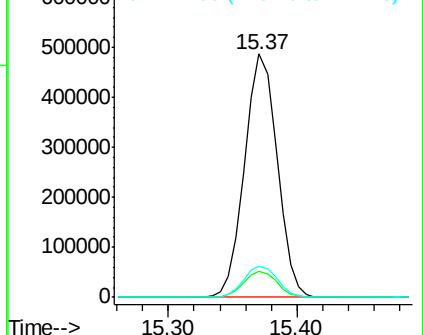
128 100

129 10.9 8.6 13.0

127 13.3 10.4 15.6



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: 56.525 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010764.D

Acq: 11 Jun 2019 11:44

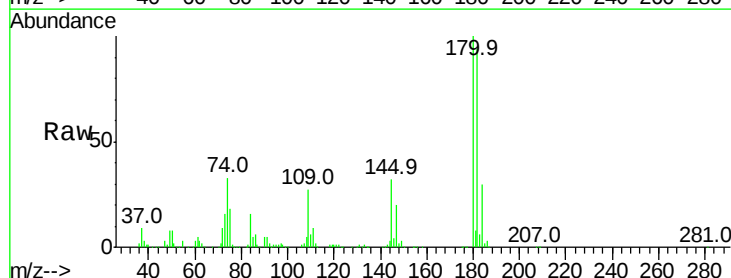
Tgt Ion:180 Resp: 344200

Ion Ratio Lower Upper

180 100

182 95.1 76.6 115.0

145 32.5 25.8 38.8



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

