

Data File : VW010922.D
Acq On : 24 Jun 2019 08:55
Operator : SY/VA
Sample : VSTD00511
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Quant Time: Jun 24 10:10:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 10:06:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	413059	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	370521	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178121	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	26960	5.34	ug/L	0.00
7) Chloroethane-d5	2.89	69	19486	4.69	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	62479	5.36	ug/L	0.00
20) 2-Butanone-d5	7.07	46	26759	9.49	ug/L	0.00
24) Chloroform-d	7.65	84	55098	4.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	34803	4.64	ug/L	0.00
29) Benzene-d6	8.27	84	113195	5.10	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	36922	4.89	ug/L	0.00
37) Toluene-d8	10.32	98	100896	5.00	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	15786	5.06	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	17079	9.63	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30846	4.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	34393	4.86	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24385	4.518	ug/L	100
3) Chloromethane	2.21	50	27984	4.484	ug/L	99
5) Vinyl chloride	2.36	62	34498	5.435	ug/L	96
6) Bromomethane	2.77	94	17301	4.983	ug/L	97
8) Chloroethane	2.92	64	17908	4.921	ug/L	98
9) Trichlorofluoromethane	3.24	101	10508	5.545	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	26002	5.077	ug/L #	74
12) 1,1-Dichloroethene	4.04	96	27232	5.353	ug/L	94
13) Acetone	4.12	43	28362	13.325	ug/L	97
14) Carbon disulfide	4.38	76	76601	5.306	ug/L	99
15) Methyl Acetate	4.67	43	21125	4.836	ug/L	100
16) Methylene chloride	4.92	84	30257	4.808	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	44246	5.000	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	28309	5.161	ug/L	97
19) 1,1-Dichloroethane	6.21	63	58102	5.195	ug/L	99
21) 2-Butanone	7.16	43	35239	10.843	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	30238	4.987	ug/L	98
23) Bromochloromethane	7.51	128	12874	4.886	ug/L	94
25) Chloroform	7.67	83	52578	4.984	ug/L	100
27) 1,2-Dichloroethane	8.40	62	42396	4.974	ug/L	98
30) Cyclohexane	7.95	56	59552	5.622	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	39766	5.744	ug/L	99
32) Carbon tetrachloride	8.07	117	36591	5.722	ug/L	100
34) Benzene	8.32	78	119588	5.257	ug/L	100
35) Trichloroethene	9.09	95	30631	5.437	ug/L	99
36) Methylcyclohexane	9.33	83	55688	5.646	ug/L	100
40) 1,2-Dichloropropane	9.37	63	32930	5.176	ug/L	99
41) Bromodichloromethane	9.64	83	37225	5.087	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	48503	5.193	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	62144	10.131	ug/L	99

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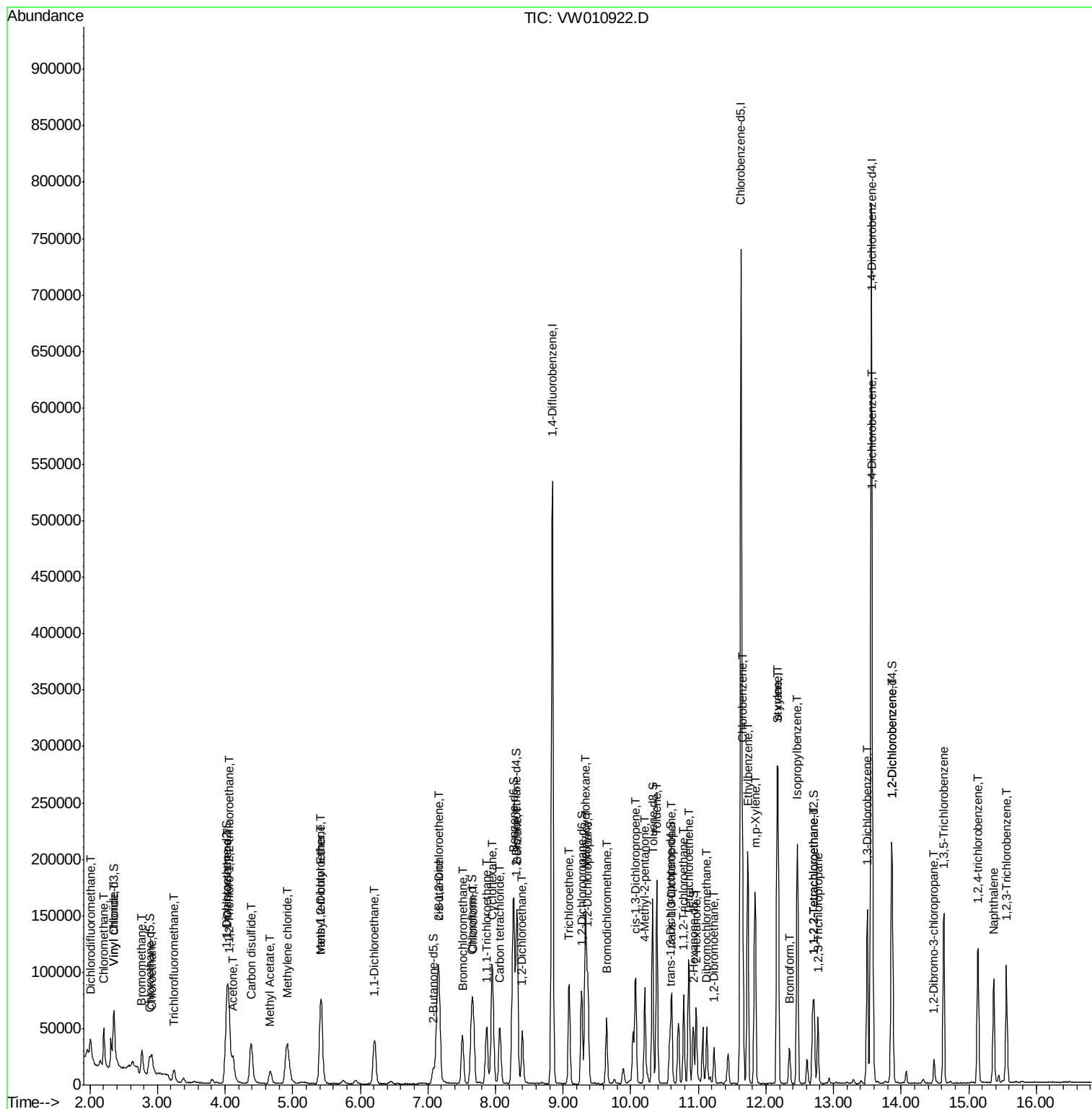
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	125617	5.319	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	39325	5.020	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	22941	5.154	ug/L	97
47) Tetrachloroethene	10.86	164	23536	5.671	ug/L	90
49) 2-Hexanone	10.97	43	45586	10.558	ug/L	97
50) Dibromochloromethane	11.13	129	23692	5.000	ug/L	96
51) 1,2-Dibromoethane	11.24	107	21898	4.996	ug/L	99
52) Chlorobenzene	11.66	112	75372	5.176	ug/L	99
53) Ethylbenzene	11.73	91	139466	5.270	ug/L	99
54) m,p-Xylene	11.84	106	50205	5.214	ug/L	99
55) o-xylene	12.16	106	48628	5.138	ug/L	99
56) Styrene	12.18	104	82749	5.092	ug/L	99
57) Isopropylbenzene	12.46	105	132559	5.354	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	29943	5.072	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	23622	5.037	ug/L	100
62) Bromoform	12.35	173	12949	4.810	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	56623	5.135	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	58439	5.192	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	52339	5.023	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	5401	5.057	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	43717	5.237	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	35698	4.919	ug/L	100
69) Naphthalene	15.37	128	74852	4.592	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	32919	4.880	ug/L	100

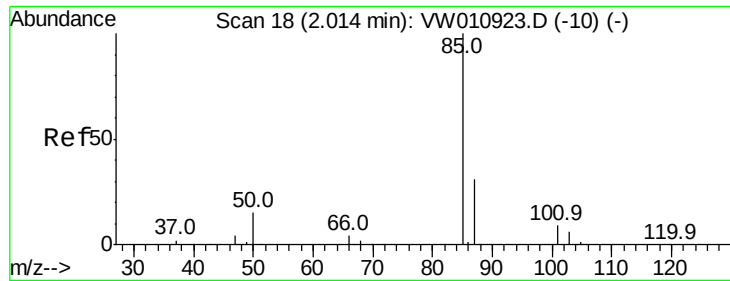
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.518 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

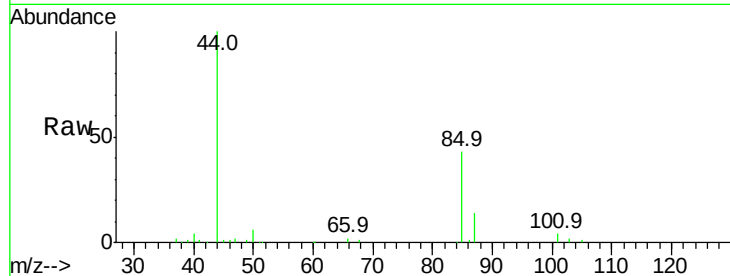
VSTD00503

Tgt Ion: 85 Resp: 24385

Ion Ratio Lower Upper

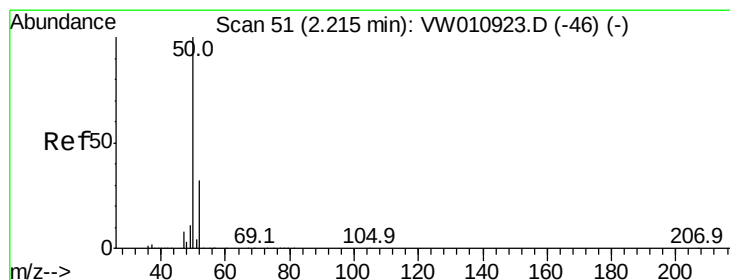
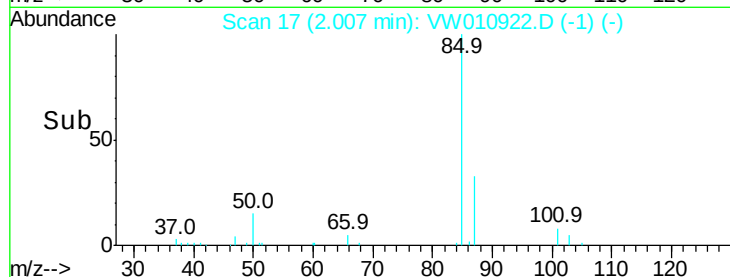
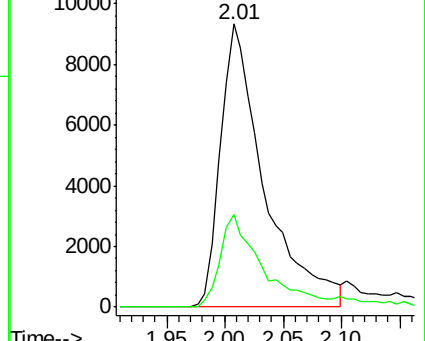
85 100

87 31.4 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.484 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010922.D

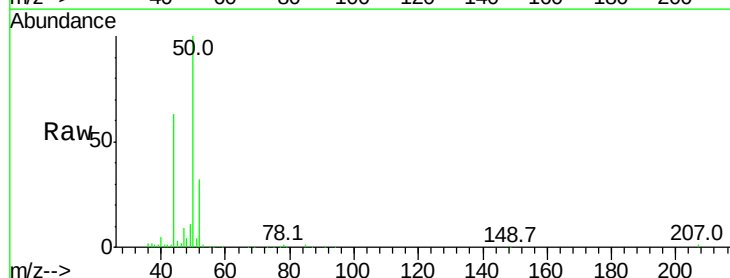
Acq: 24 Jun 2019 08:55

Tgt Ion: 50 Resp: 27984

Ion Ratio Lower Upper

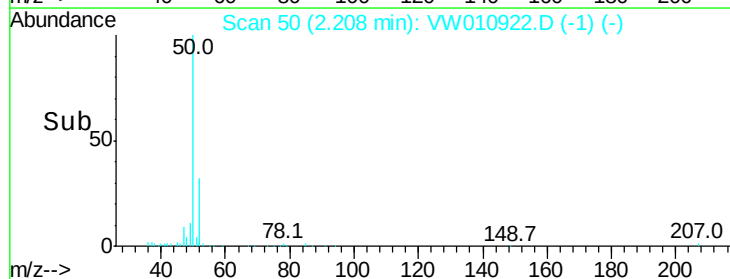
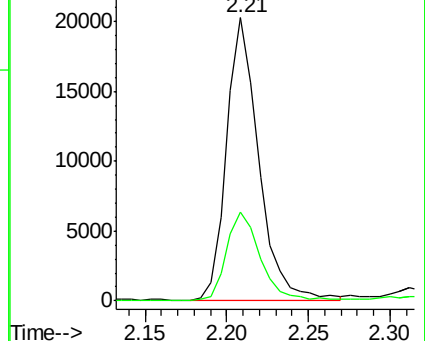
50 100

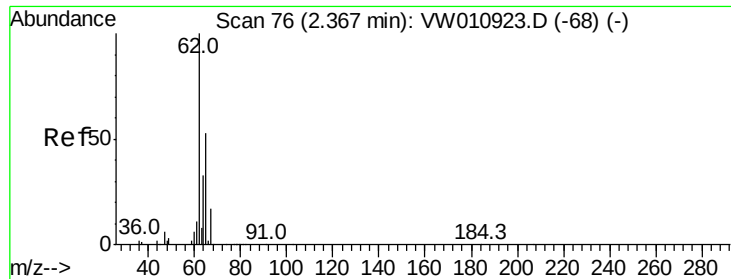
52 31.6 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.435 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

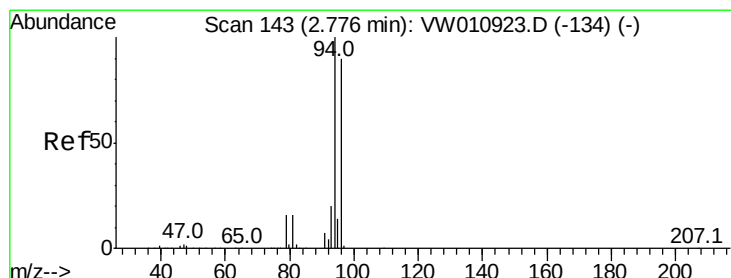
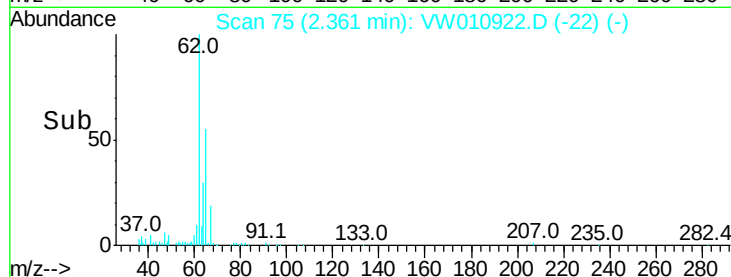
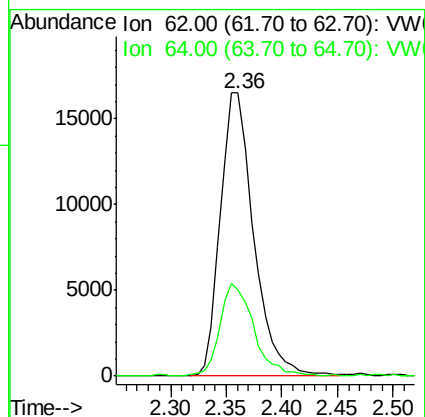
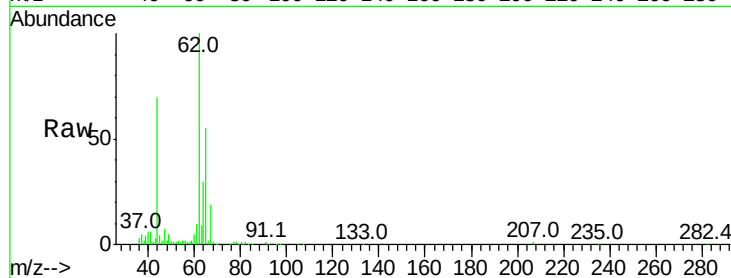
VSTD00503

Tgt Ion: 62 Resp: 34498

Ion Ratio Lower Upper

62 100

64 30.5 22.9 42.5



#6

Bromomethane

Concen: 4.983 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010922.D

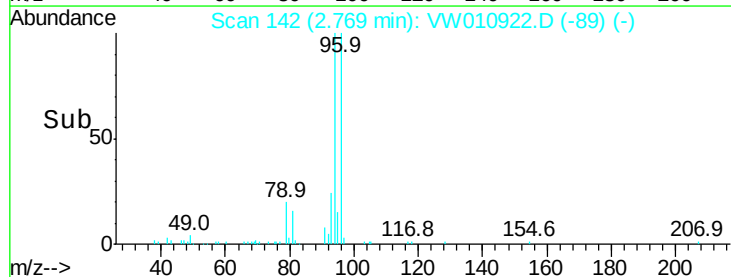
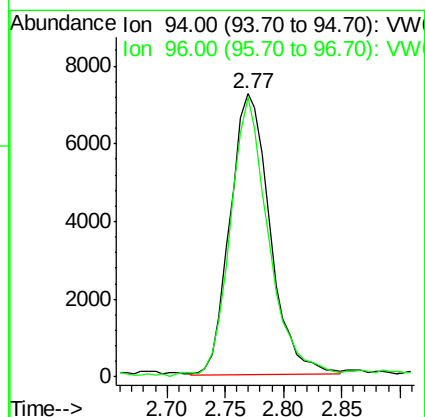
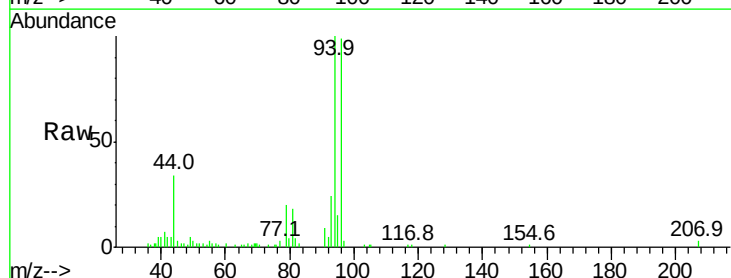
Acq: 24 Jun 2019 08:55

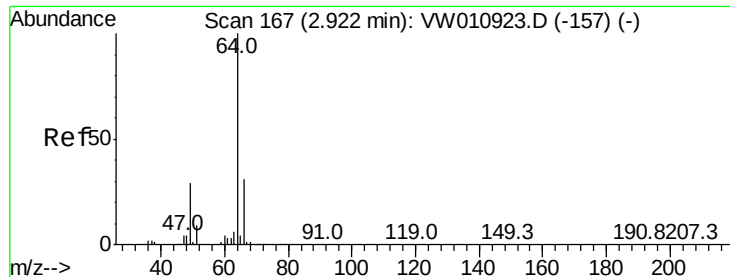
Tgt Ion: 94 Resp: 17301

Ion Ratio Lower Upper

94 100

96 95.3 9.2 175.8





#8

Chloroethane

Concen: 4.921 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

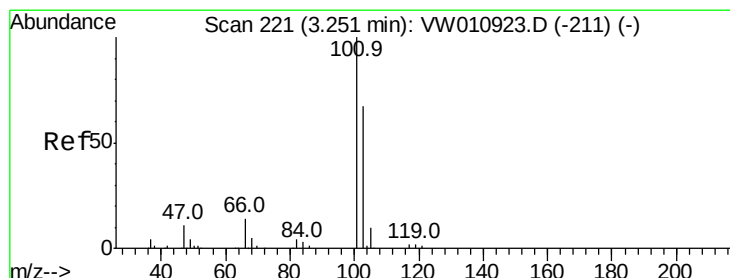
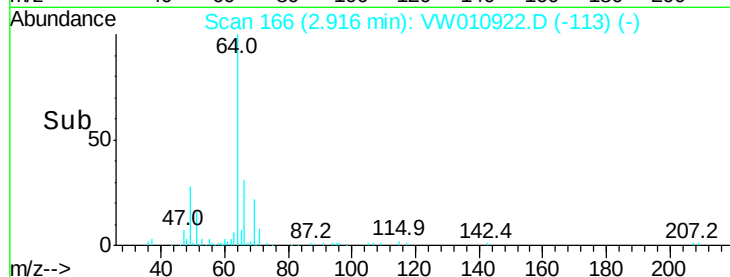
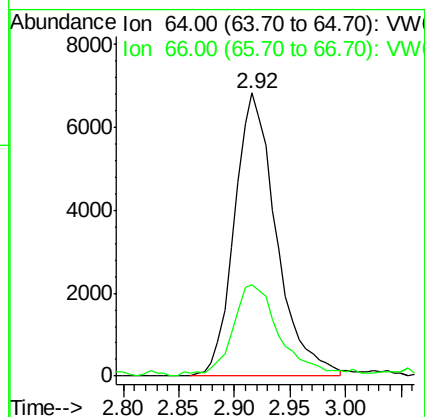
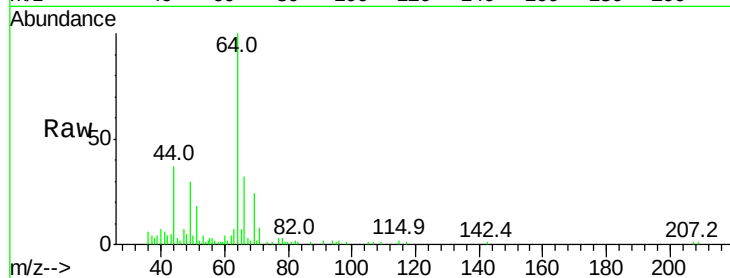
VSTD00503

Tgt Ion: 64 Resp: 17908

Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



#9

Trichlorofluoromethane

Concen: 5.545 ug/L

RT: 3.24 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW010922.D

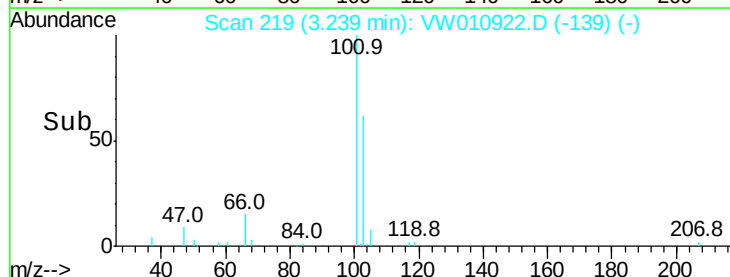
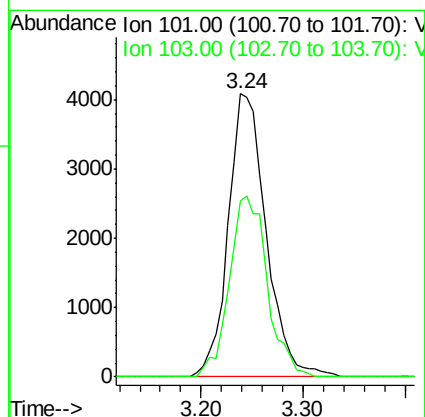
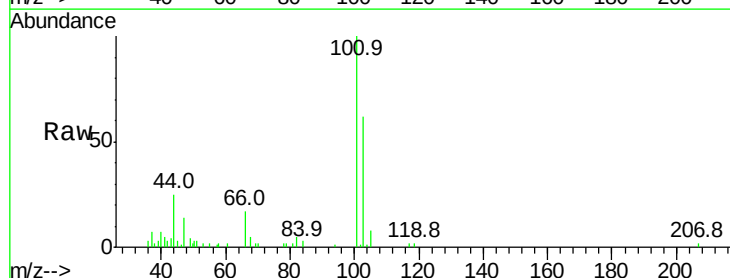
Acq: 24 Jun 2019 08:55

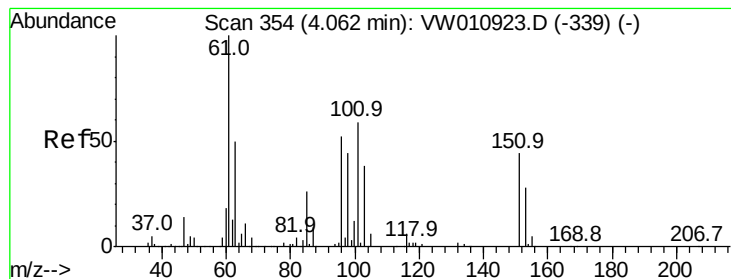
Tgt Ion: 101 Resp: 10508

Ion Ratio Lower Upper

101 100

103 63.6 46.4 86.2





#11

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

Concen: 5.077 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

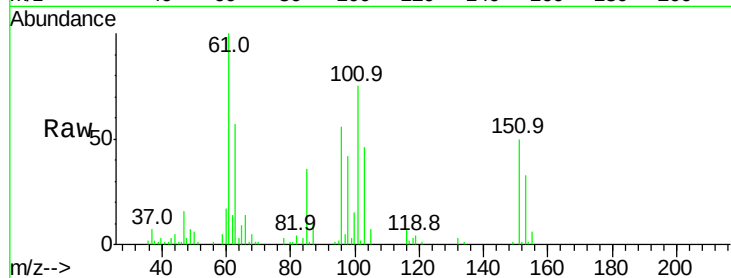
Tgt Ion:101 Resp: 26002

Ion Ratio Lower Upper

101 100

85 47.8 35.8 53.8

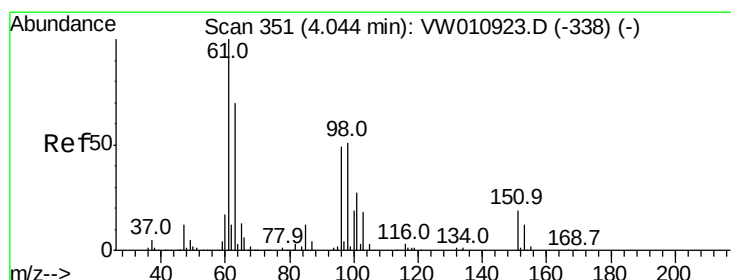
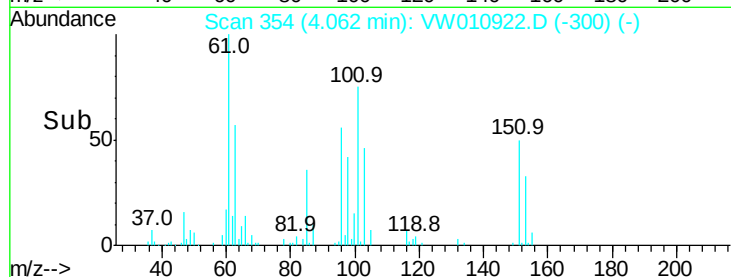
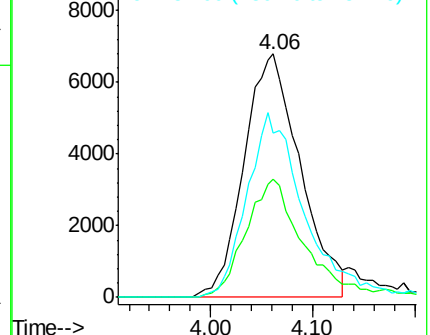
151 38.0 56.9 85.3#



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: 5.353 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

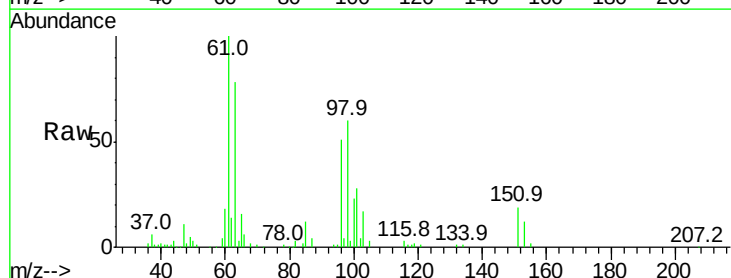
Tgt Ion: 96 Resp: 27232

Ion Ratio Lower Upper

96 100

61 197.9 144.5 268.3

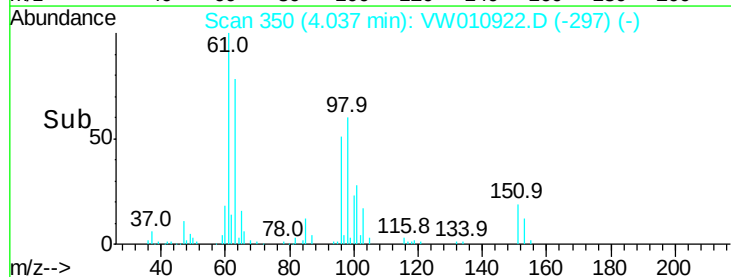
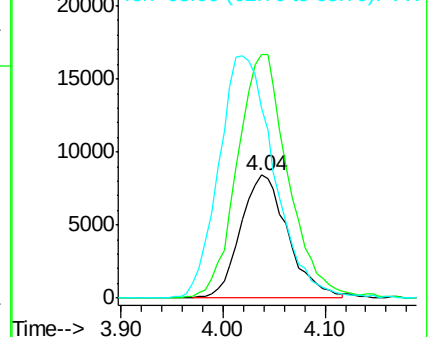
63 154.2 102.3 189.9

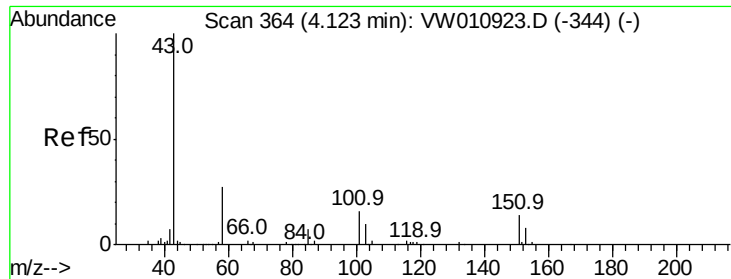


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 13.325 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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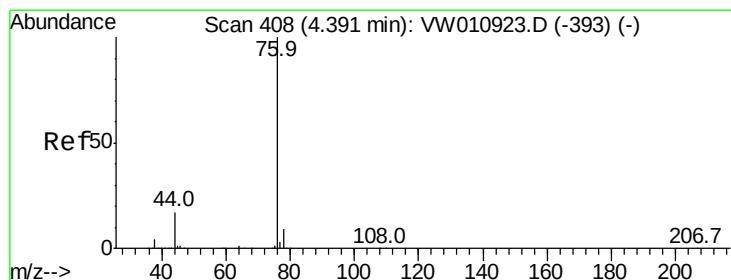
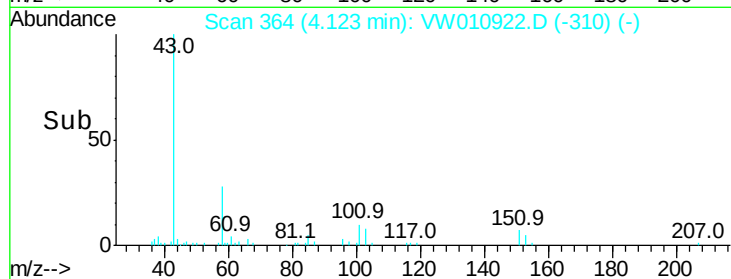
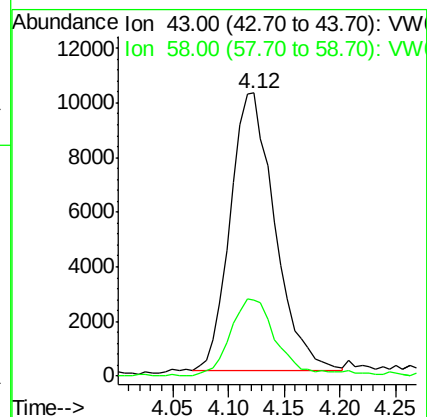
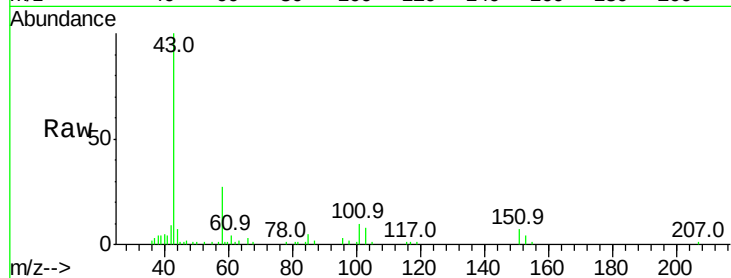
VSTD00503

Tgt Ion: 43 Resp: 28362

Ion Ratio Lower Upper

43 100

58 28.2 0.0 53.2



#14

Carbon disulfide

Concen: 5.306 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW010922.D

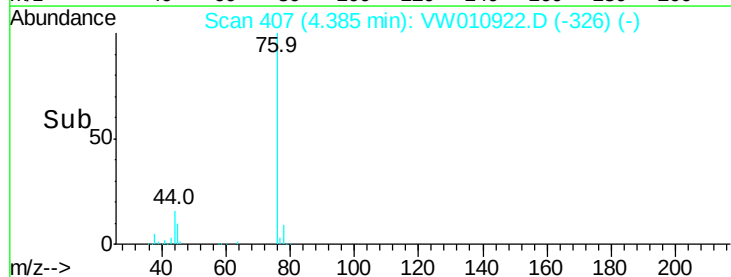
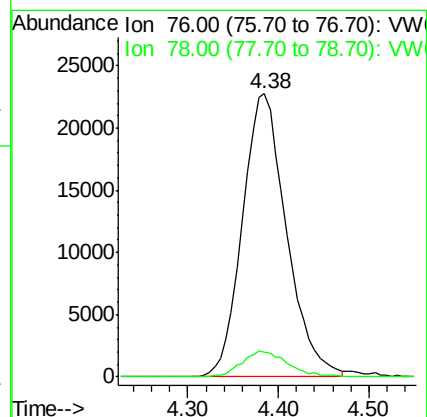
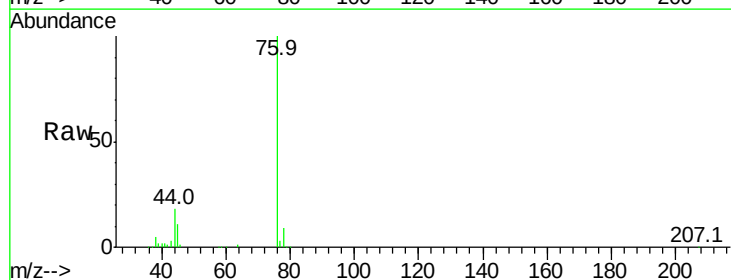
Acq: 24 Jun 2019 08:55

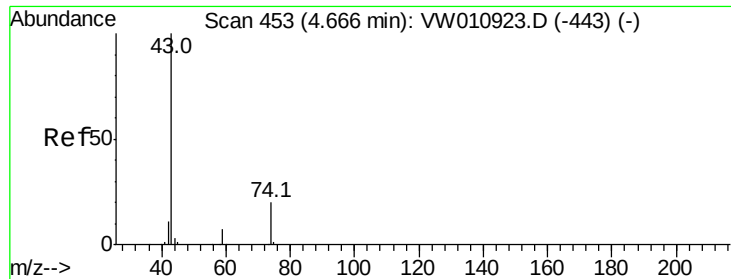
Tgt Ion: 76 Resp: 76601

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

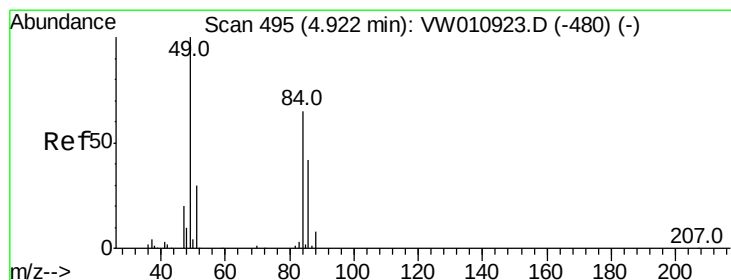
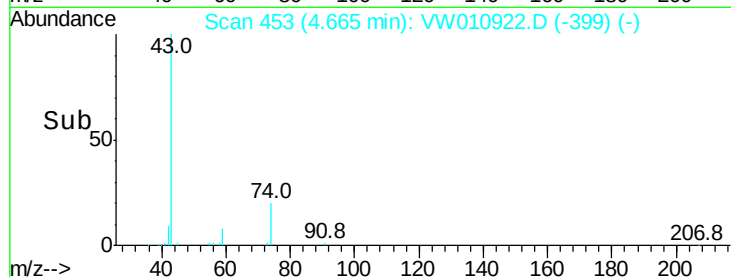
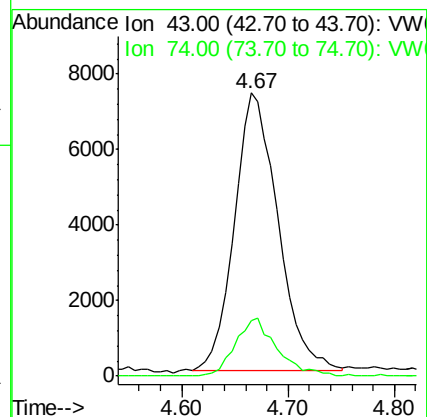
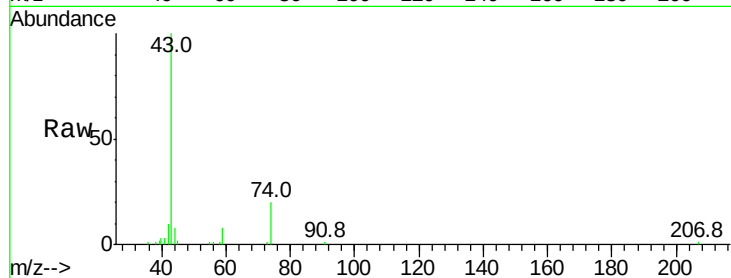




#15
Methyl Acetate
Concen: 4.836 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
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Acq: 24 Jun 2019 08:55

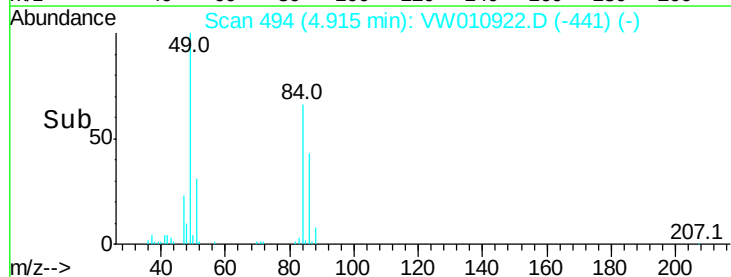
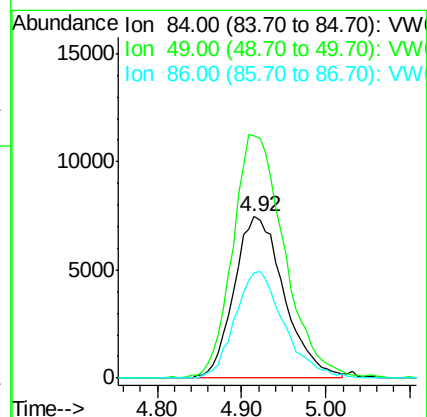
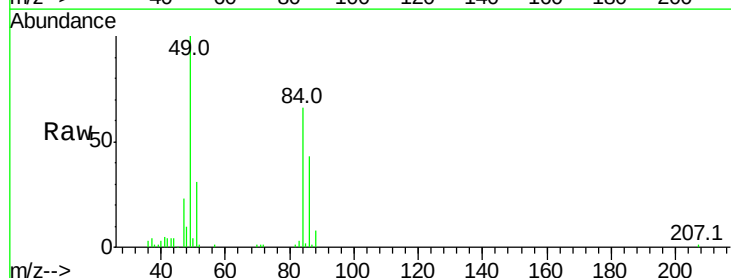
Instrument :
MSVOA_W
ClientSampled :
VSTD00503

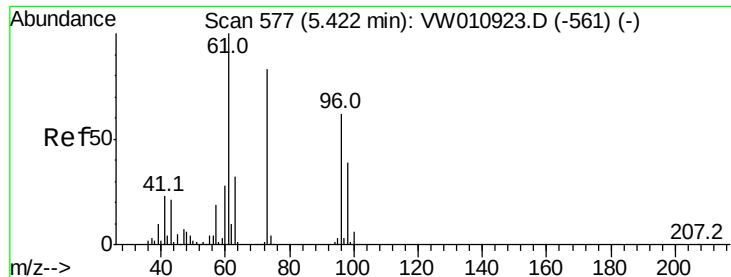
Tgt Ion: 43 Resp: 21125
Ion Ratio Lower Upper
43 100
74 19.1 15.3 22.9



#16
Methylene chloride
Concen: 4.808 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion: 84 Resp: 30257
Ion Ratio Lower Upper
84 100
49 150.6 107.0 198.8
86 65.3 44.4 82.5

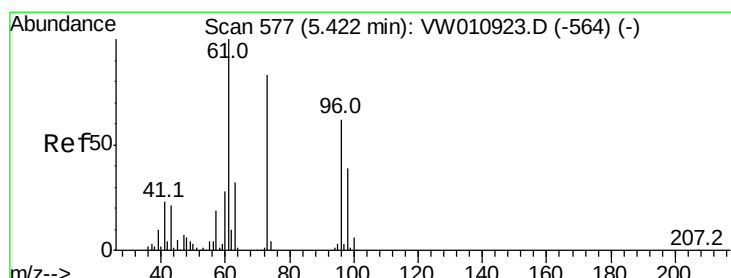
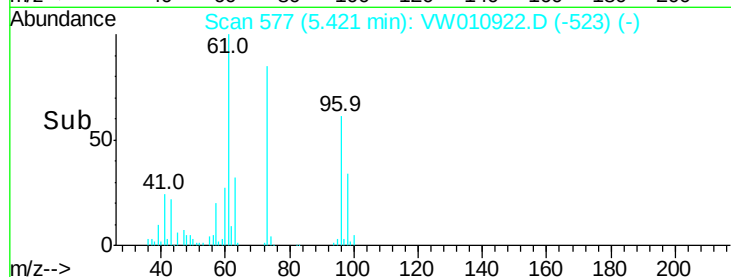
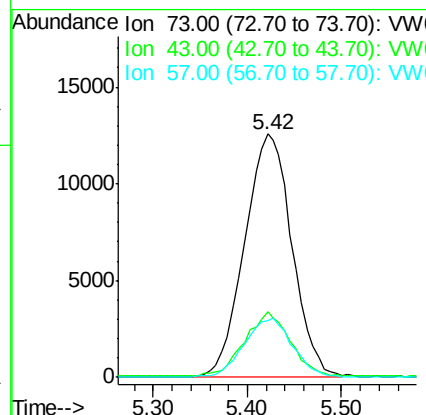
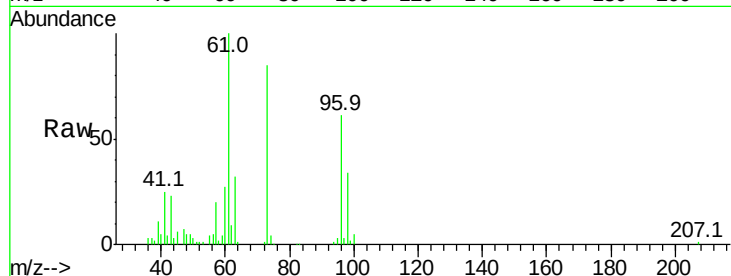




#17
Methyl tert-butyl Ether
Concen: 5.000 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

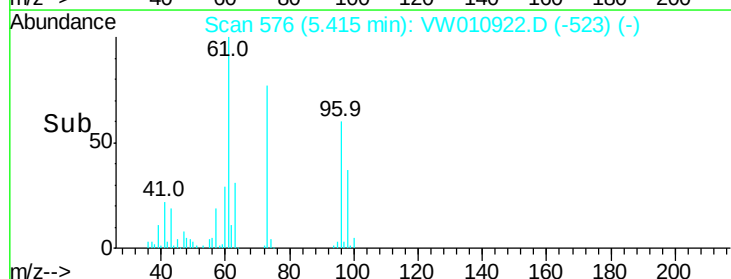
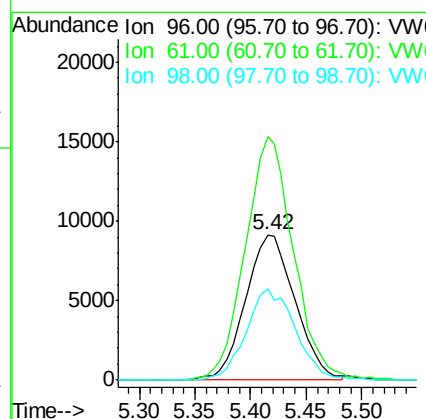
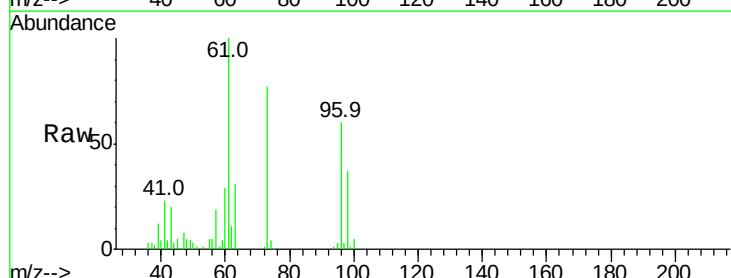
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

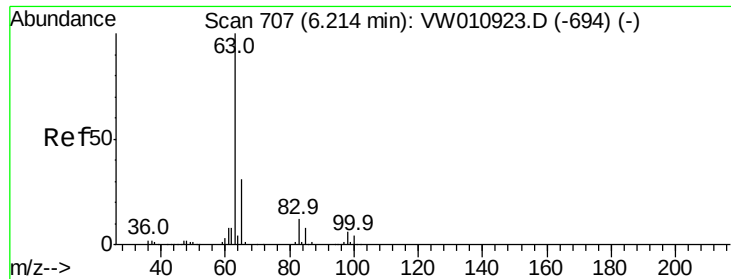
Tgt Ion: 73 Resp: 44246
Ion Ratio Lower Upper
73 100
43 25.5 20.2 30.2
57 23.9 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 5.161 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion: 96 Resp: 28309
Ion Ratio Lower Upper
96 100
61 167.3 113.3 210.3
98 62.7 44.1 81.9

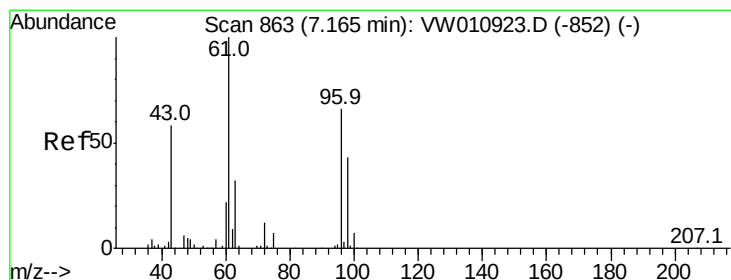
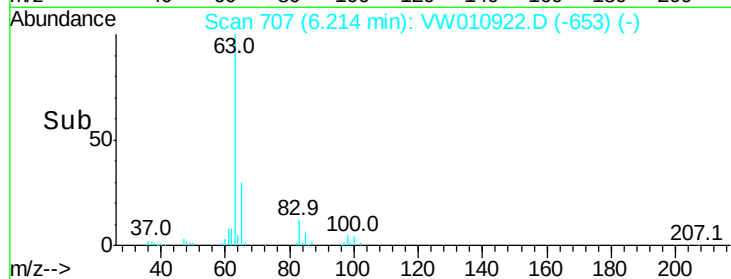
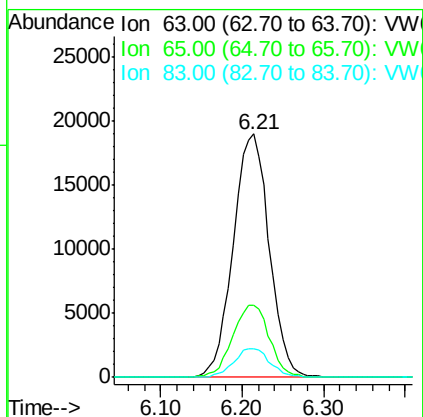
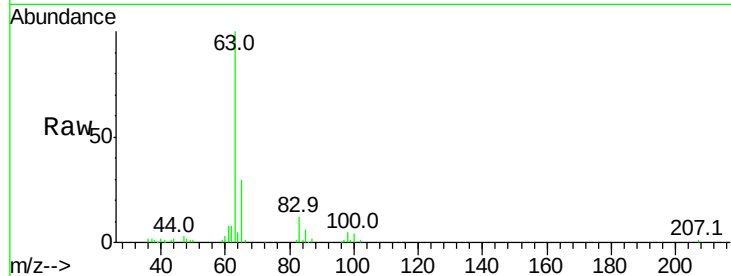




#19
 1,1-Dichloroethane
 Concen: 5.195 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

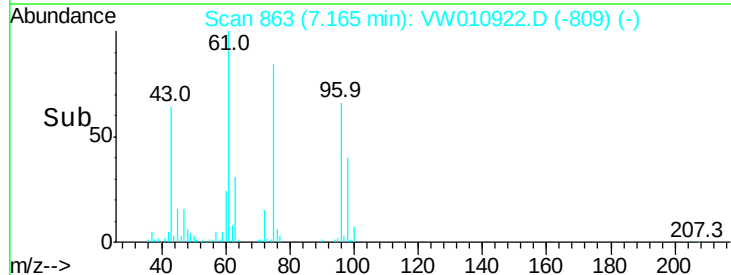
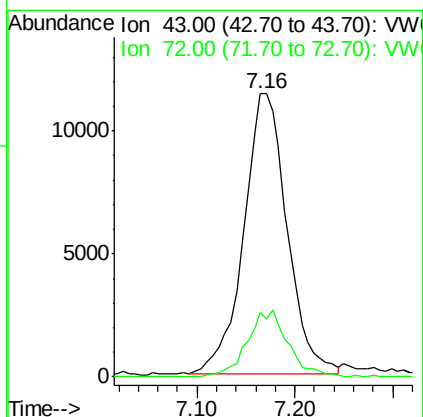
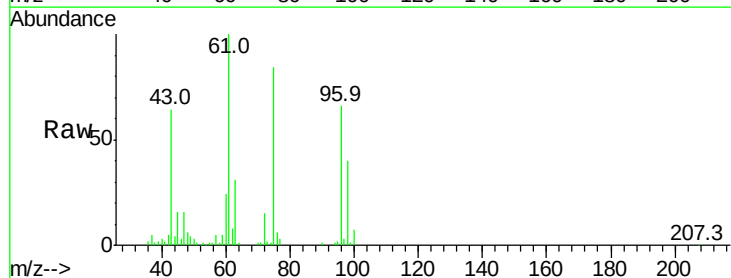
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

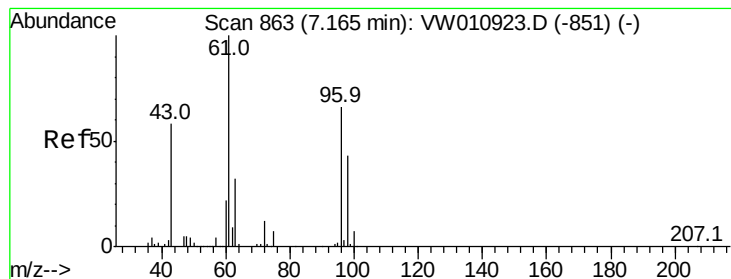
Tgt Ion: 63 Resp: 58102
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.3 39.6
 83 11.6 8.5 15.9



#21
 2-Butanone
 Concen: 10.843 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Tgt Ion: 43 Resp: 35239
 Ion Ratio Lower Upper
 43 100
 72 21.3 10.9 32.6





#22

cis-1,2-Dichloroethene

Concen: 4.987 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

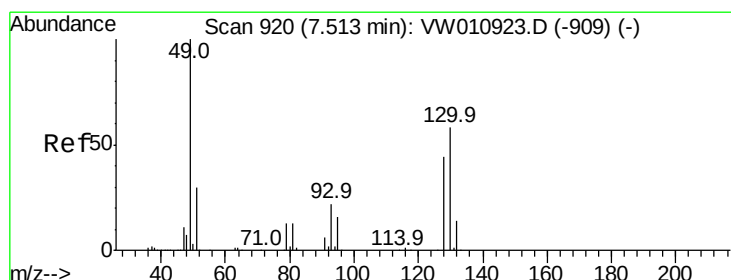
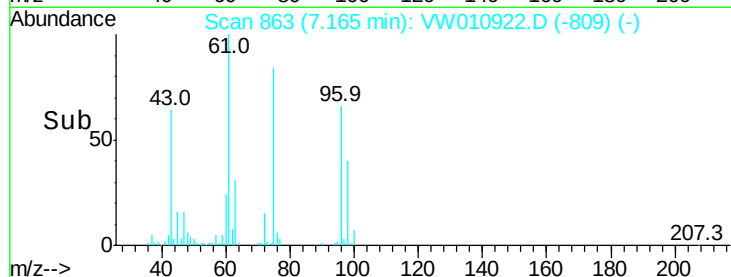
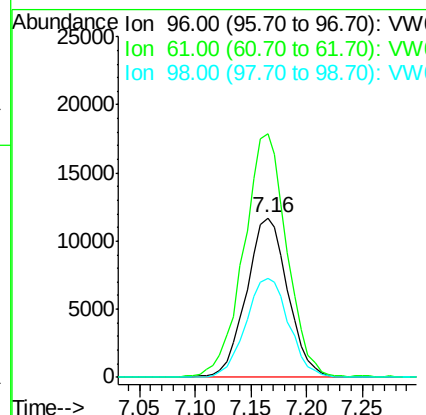
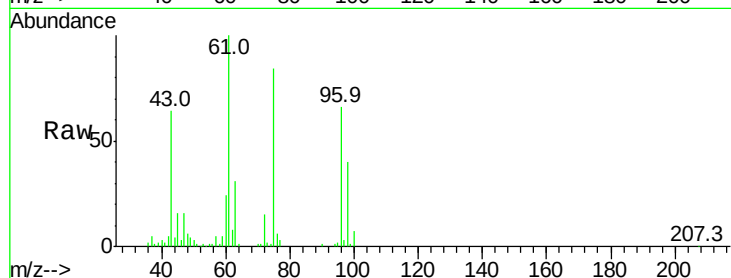
Tgt Ion: 96 Resp: 30238

Ion Ratio Lower Upper

96 100

61 152.6 106.5 197.7

98 61.7 45.5 84.5



#23

Bromochloromethane

Concen: 4.886 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Tgt Ion: 128 Resp: 12874

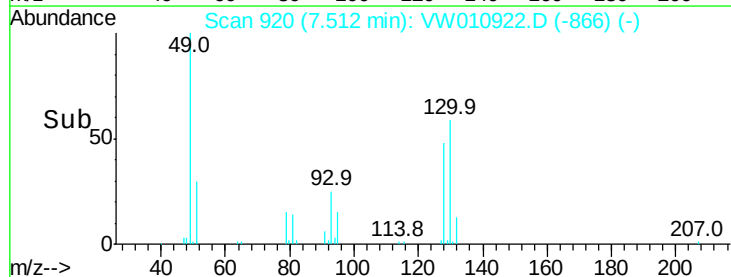
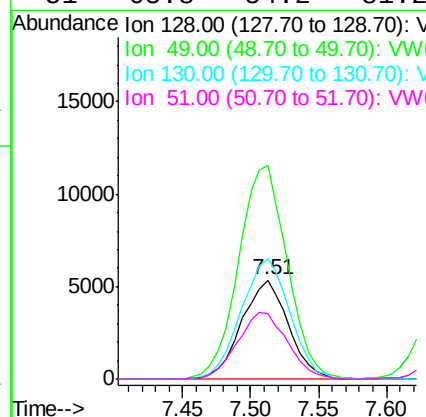
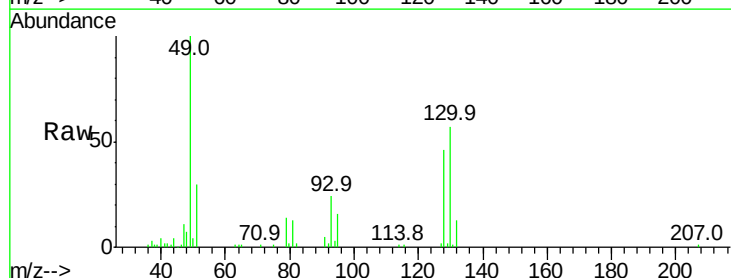
Ion Ratio Lower Upper

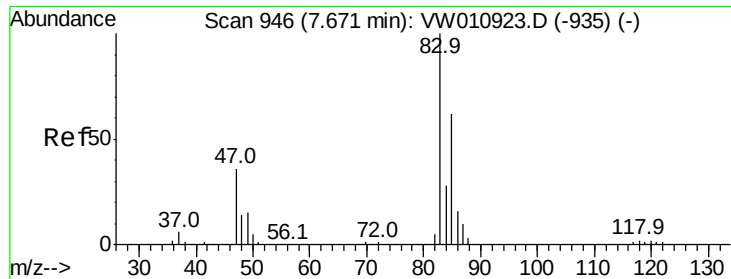
128 100

49 216.0 157.7 292.9

130 122.3 91.6 170.0

51 65.8 54.2 81.2

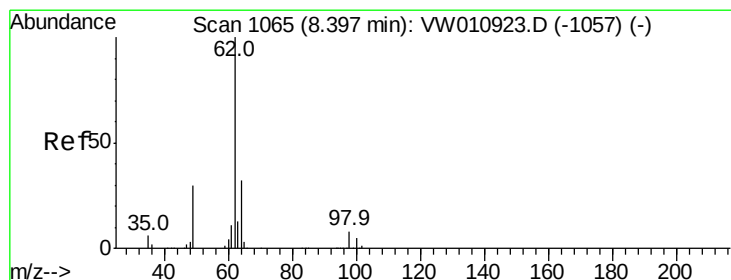
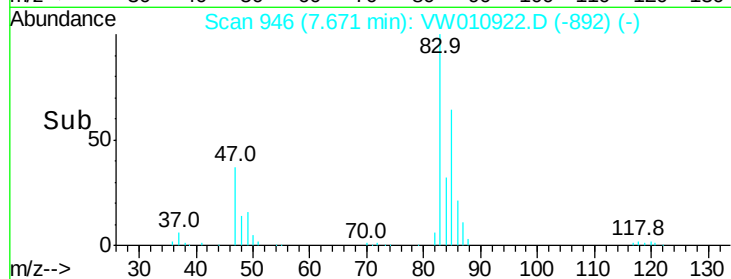
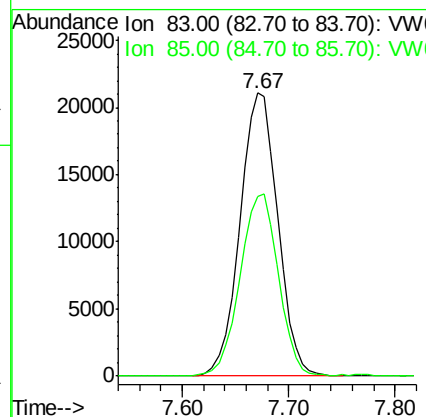
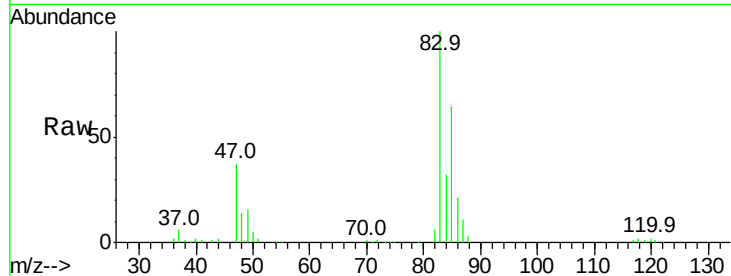




#25
Chloroform
Concen: 4.984 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

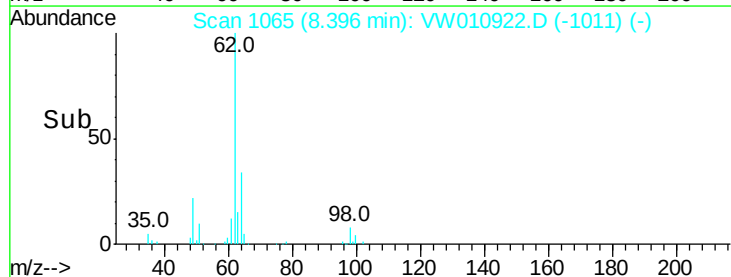
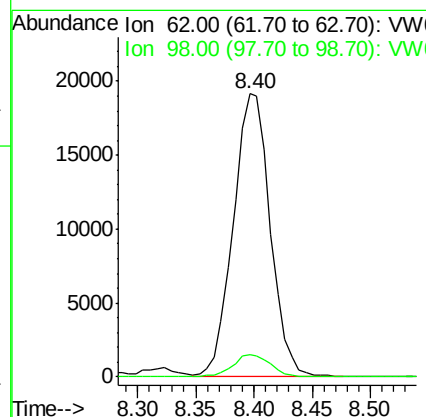
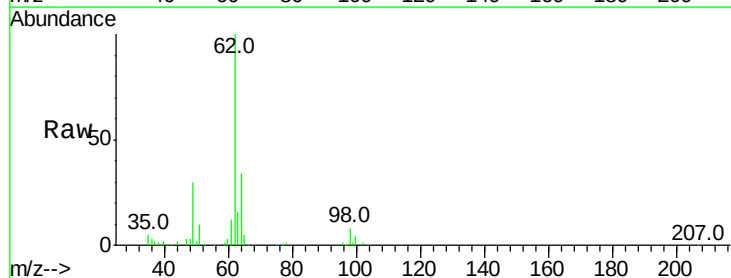
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

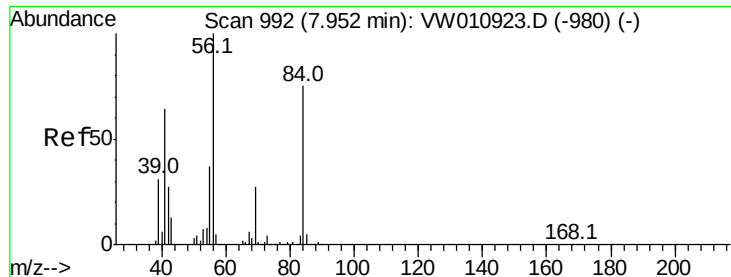
Tgt Ion: 83 Resp: 52578
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.974 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion: 62 Resp: 42396
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1

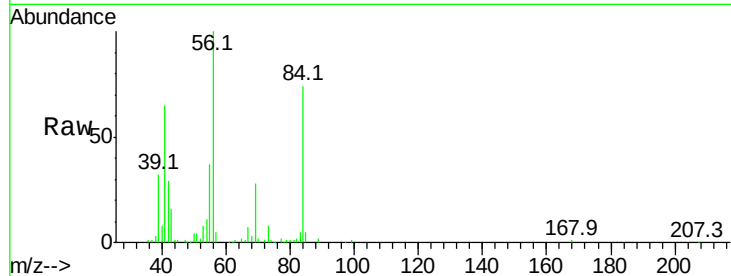




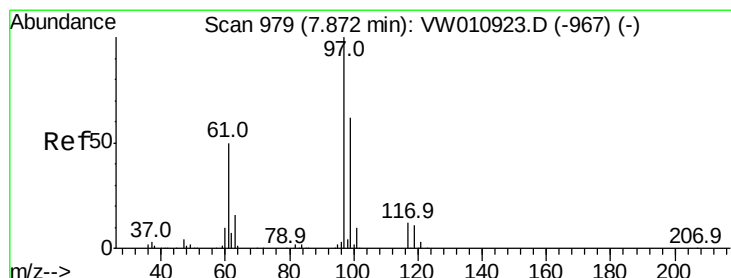
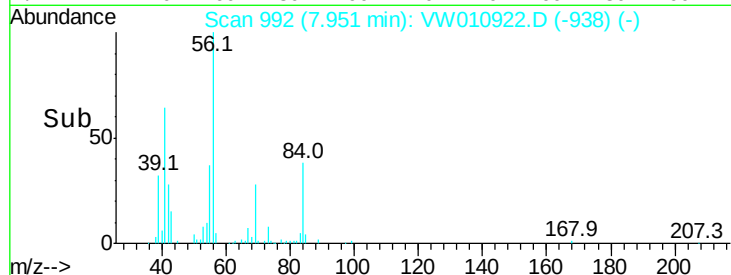
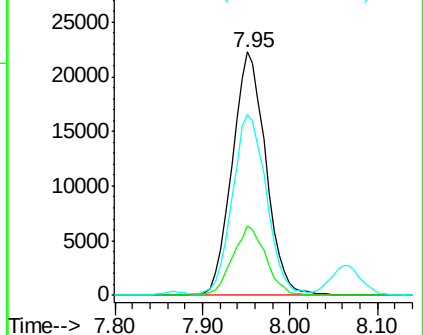
#30
Cyclohexane
Concen: 5.622 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Tgt Ion: 56 Resp: 59552
Ion Ratio Lower Upper
56 100
69 28.2 22.2 33.4
84 75.4 60.3 90.5

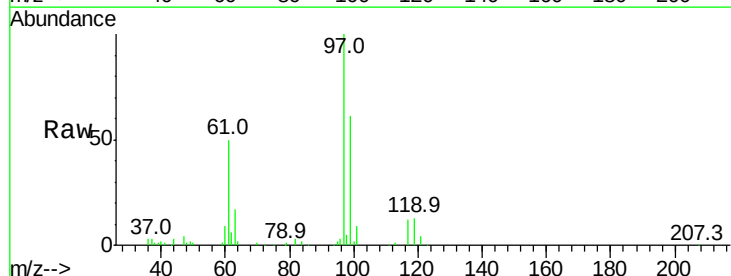


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

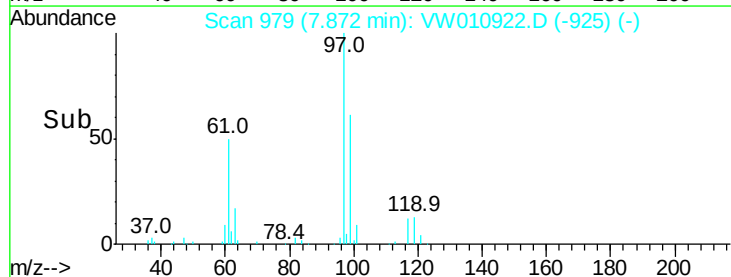
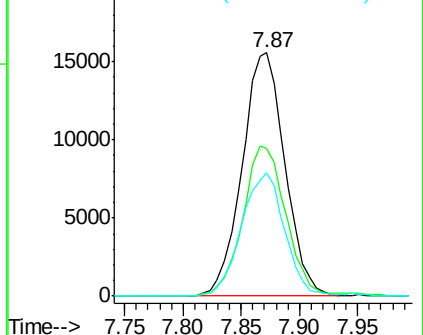


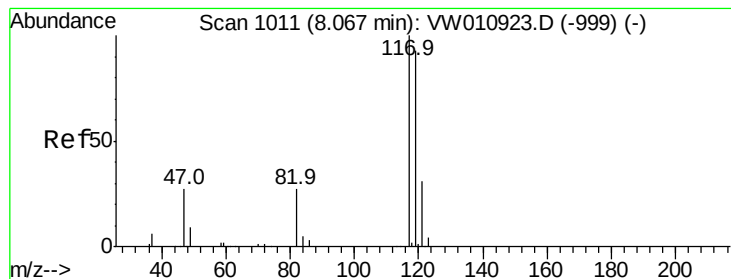
#31
1,1,1-Trichloroethane
Concen: 5.744 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion: 97 Resp: 39766
Ion Ratio Lower Upper
97 100
99 61.9 50.7 76.1
61 51.0 41.2 61.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 5.722 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

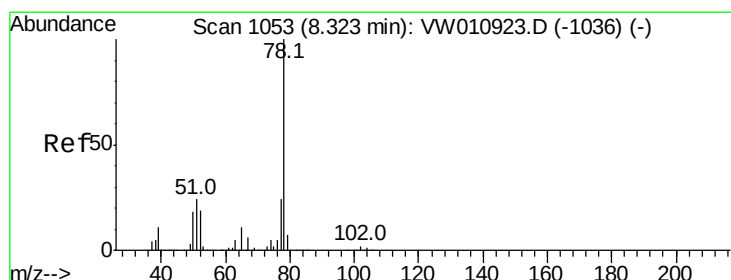
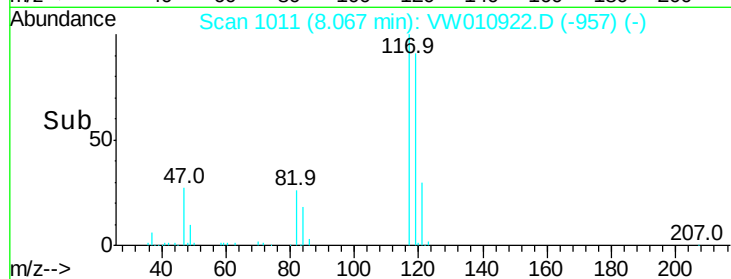
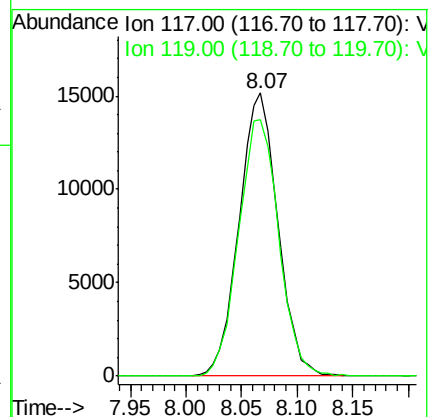
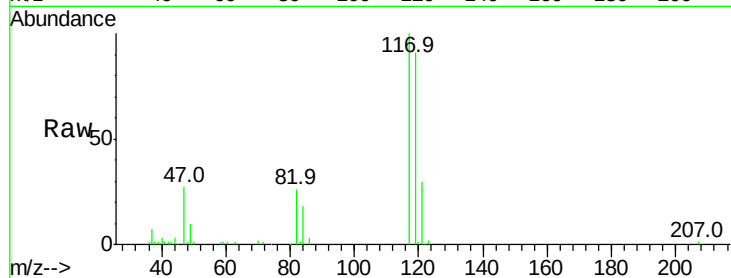
VSTD00503

Tgt Ion:117 Resp: 36591

Ion Ratio Lower Upper

117 100

119 94.3 75.7 113.5



#34

Benzene

Concen: 5.257 ug/L

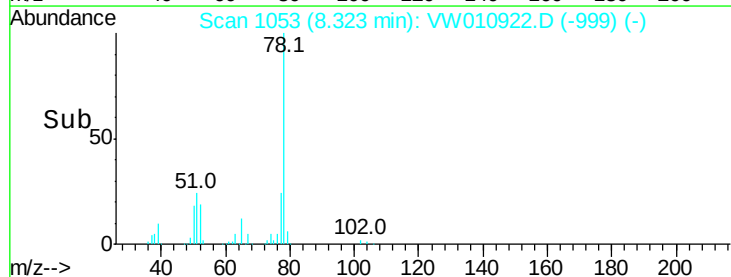
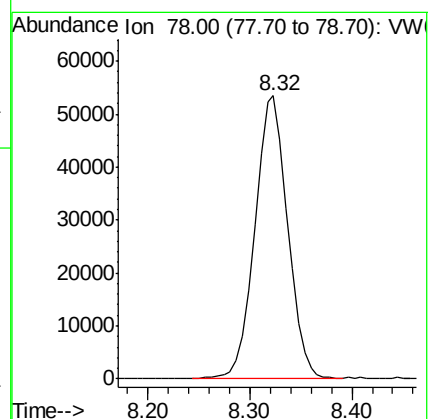
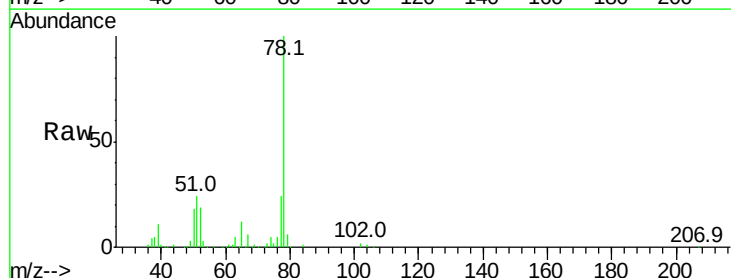
RT: 8.32 min Scan# 1053

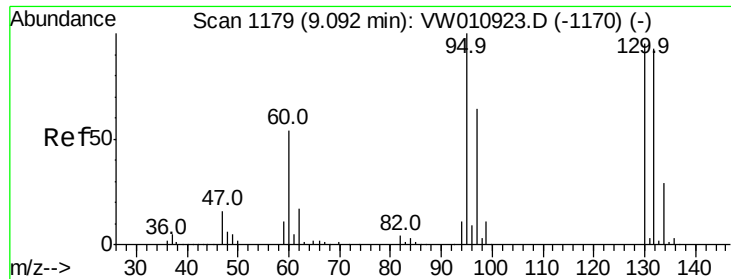
Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Tgt Ion: 78 Resp: 119588

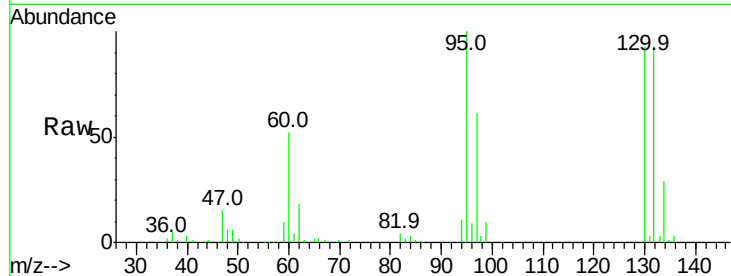




#35
 Trichloroethene
 Concen: 5.437 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Tgt Ion:	95	Resp:	30631
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.3
132	91.2	64.0	119.0
130	94.8	67.4	125.2



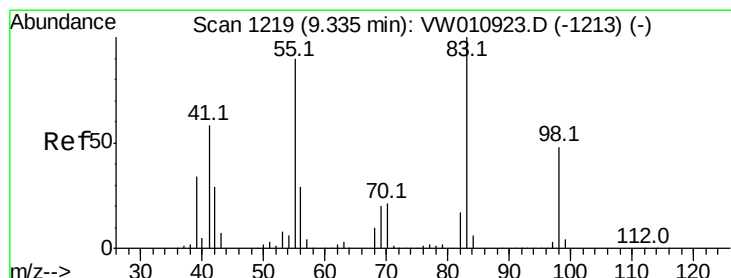
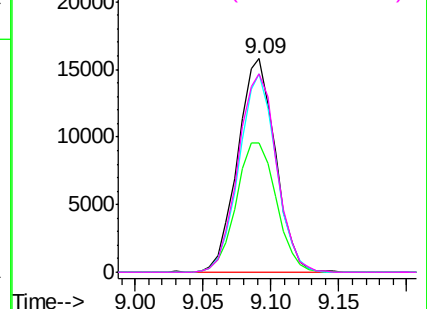
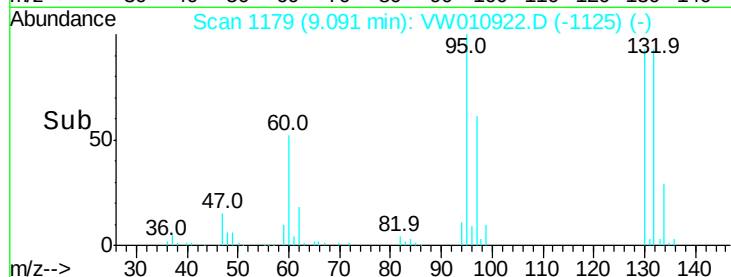
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

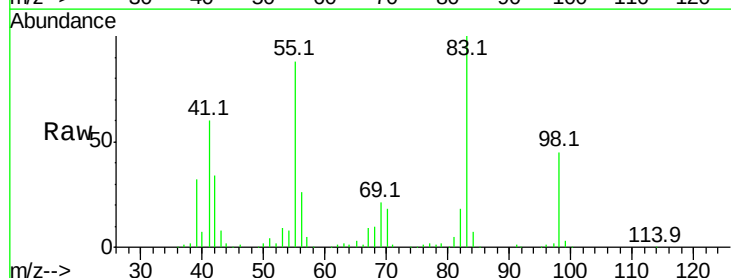
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 5.646 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Tgt Ion:	83	Resp:	55688
Ion	Ratio	Lower	Upper
83	100		
55	90.3	72.2	108.2
98	47.7	37.8	56.8

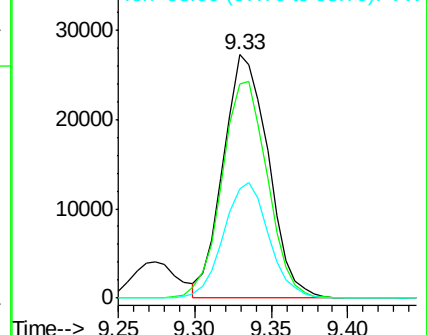
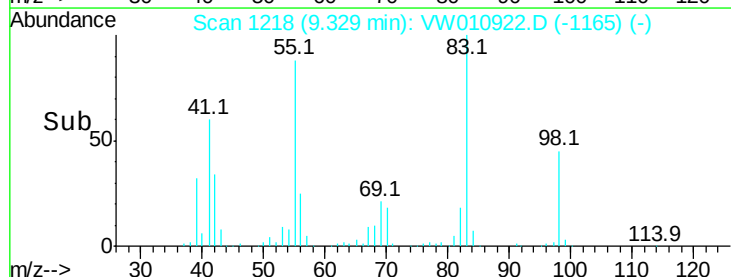


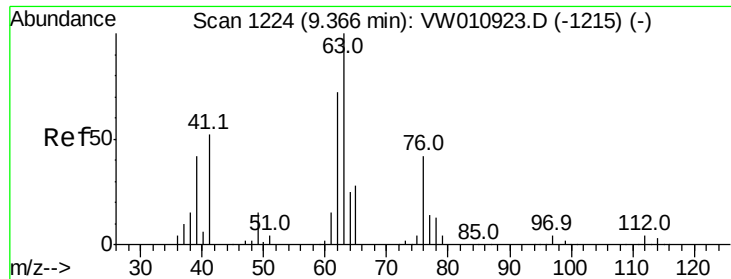
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

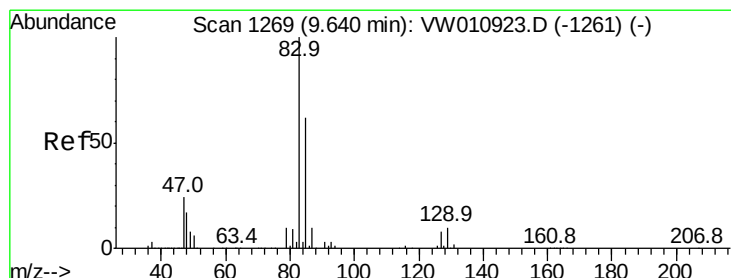
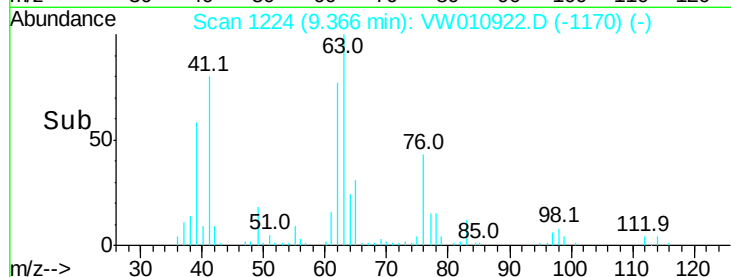
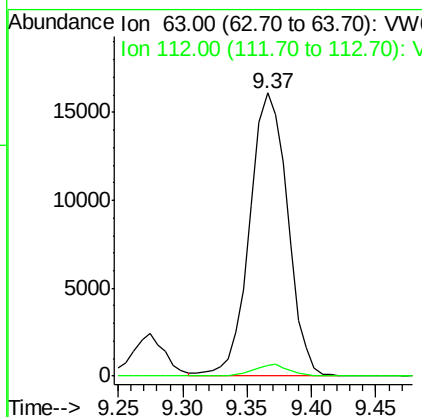
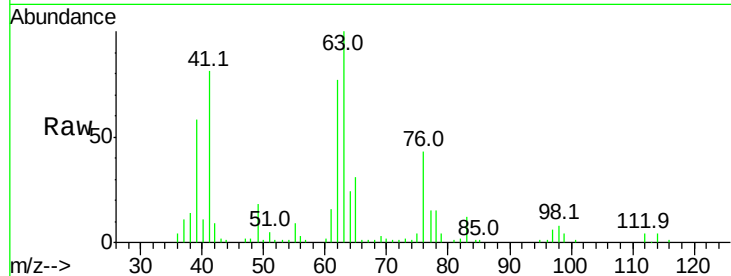




#40
 1,2-Dichloropropane
 Concen: 5.176 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

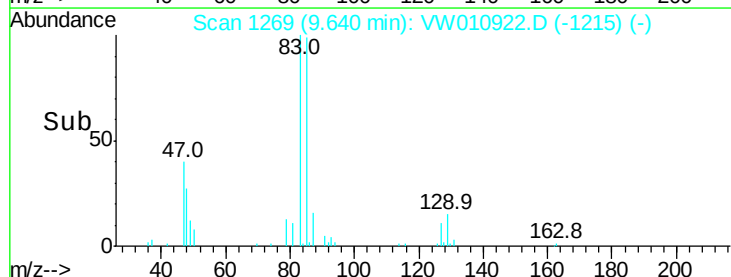
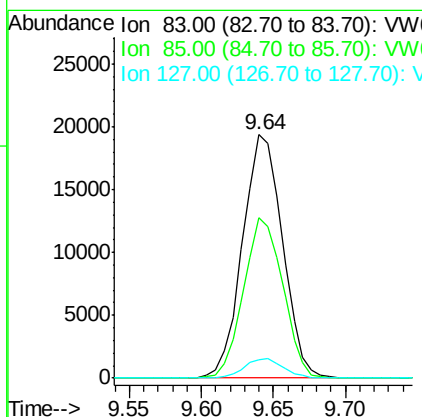
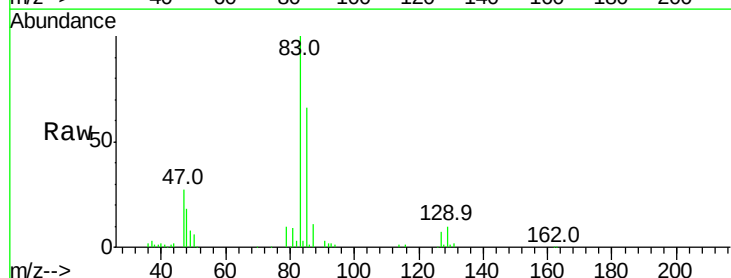
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

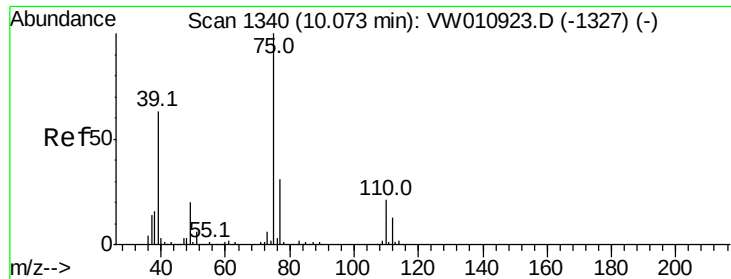
Tgt Ion: 63 Resp: 32930
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#41
 Bromodichloromethane
 Concen: 5.087 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Tgt Ion: 83 Resp: 37225
 Ion Ratio Lower Upper
 83 100
 85 66.1 43.1 80.1
 127 7.4 6.0 9.0

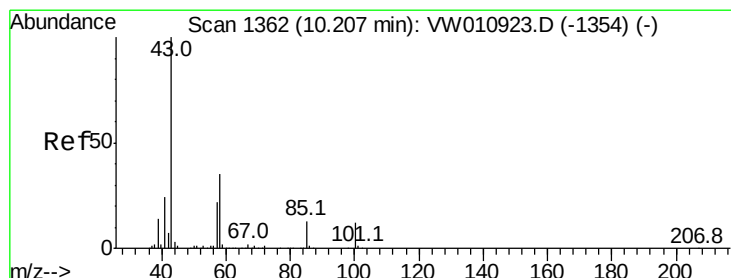
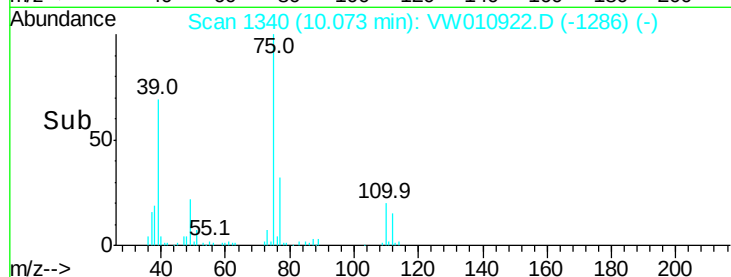
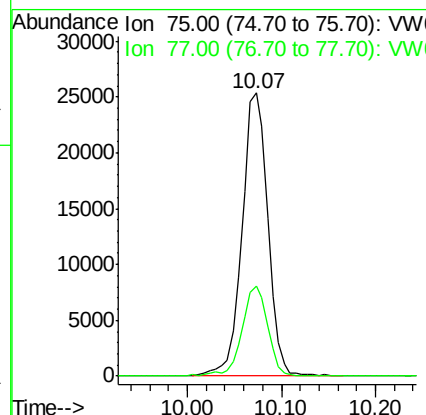
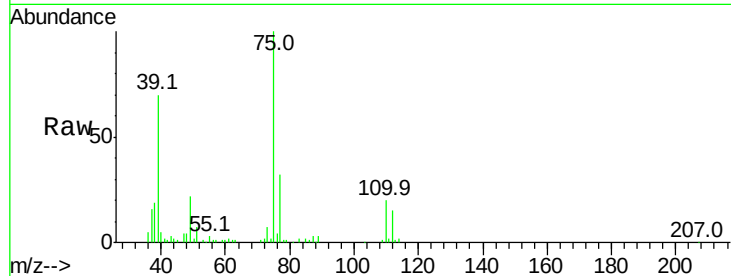




#42
 cis-1,3-Dichloroprene
 Concen: 5.193 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

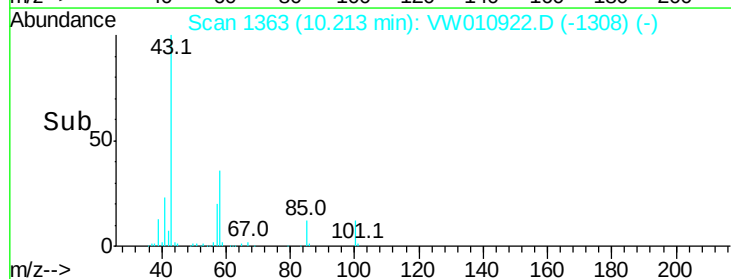
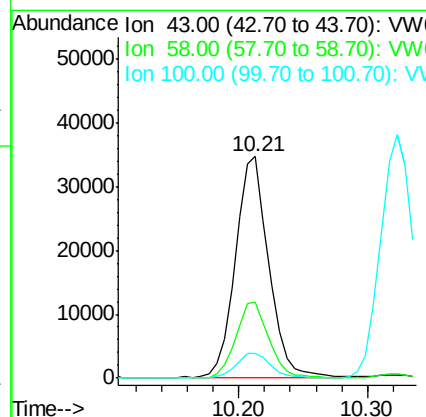
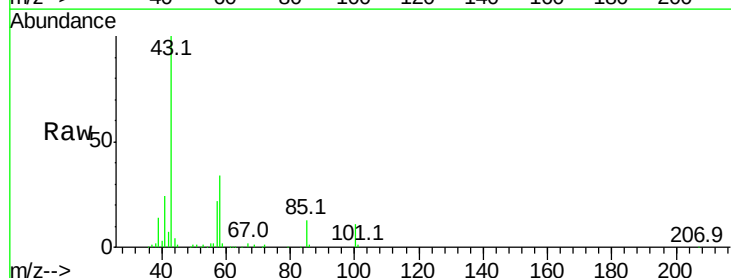
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

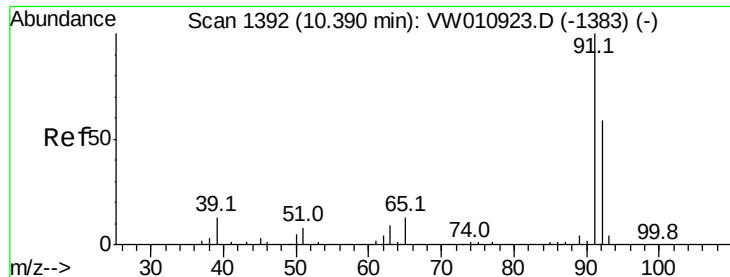
Tgt Ion: 75 Resp: 48503
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 10.131 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Tgt Ion: 43 Resp: 62144
 Ion Ratio Lower Upper
 43 100
 58 33.8 27.5 41.3
 100 11.8 9.6 14.4





#44

Toluene

Concen: 5.319 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

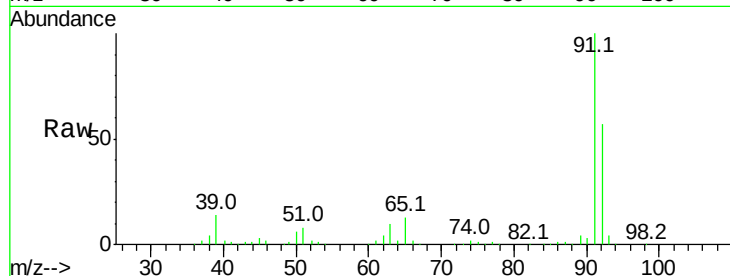
VSTD00503

Tgt Ion: 91 Resp: 125617

Ion Ratio Lower Upper

91 100

92 57.1 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

80000

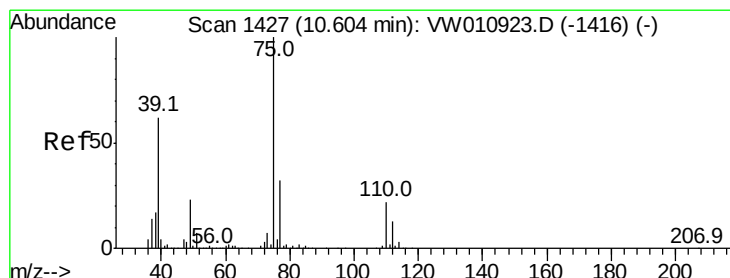
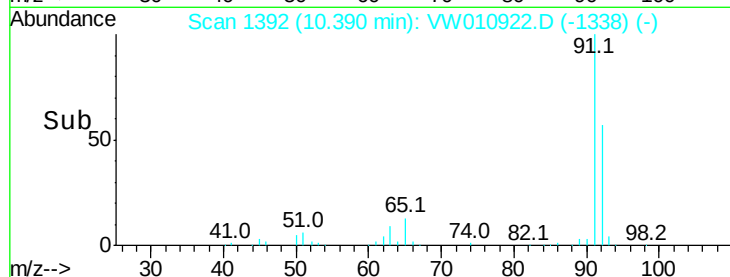
60000

40000

20000

0

Time--> 10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 5.020 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010922.D

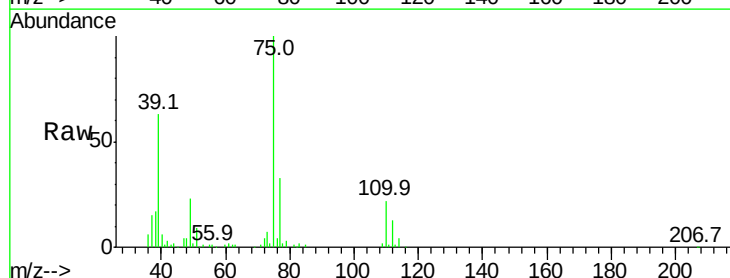
Acq: 24 Jun 2019 08:55

Tgt Ion: 75 Resp: 39325

Ion Ratio Lower Upper

75 100

77 33.2 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

25000

20000

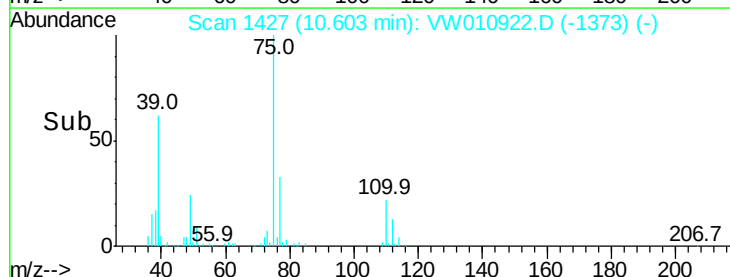
15000

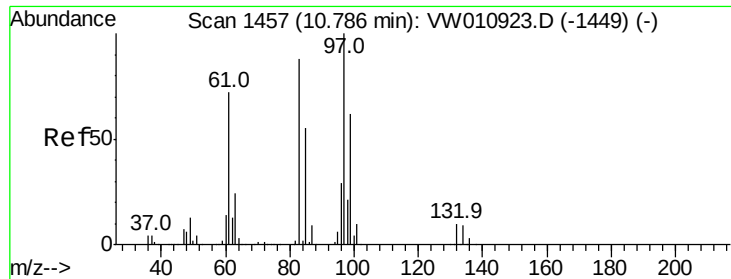
10000

5000

0

Time--> 10.55 10.60 10.65





#46

1,1,2-Trichloroethane

Concen: 5.154 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

Tgt Ion: 97 Resp: 22941

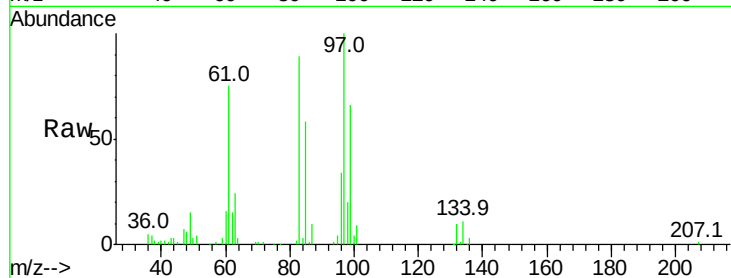
Ion Ratio Lower Upper

97 100

83 89.0 61.8 114.8

85 58.4 38.6 71.6

99 65.5 43.3 80.3



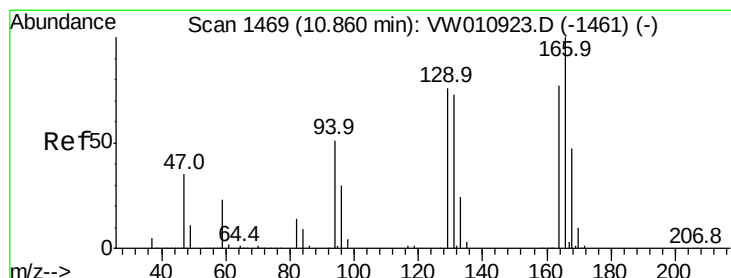
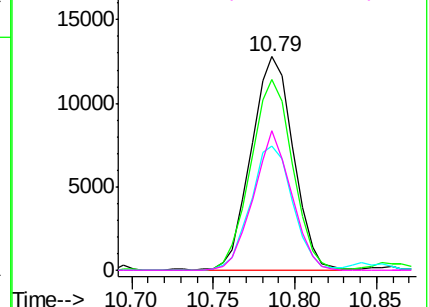
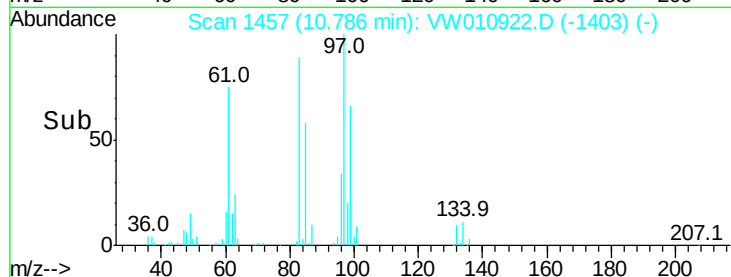
Abundance

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: 5.671 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Tgt Ion: 164 Resp: 23536

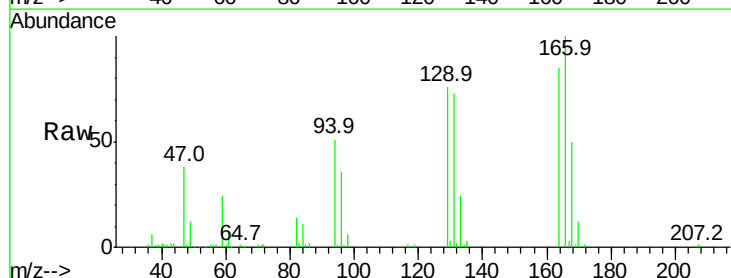
Ion Ratio Lower Upper

164 100

129 90.1 69.6 129.2

131 86.1 66.8 124.0

166 118.2 91.2 169.4



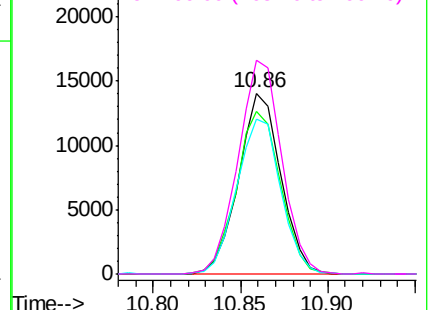
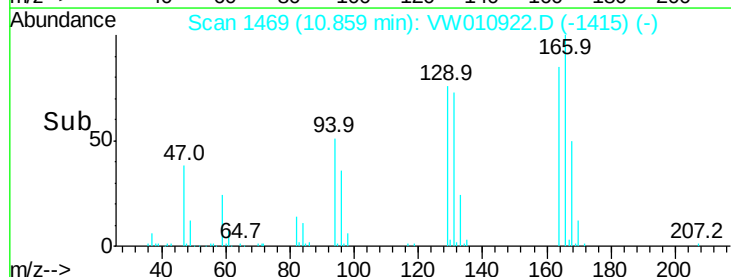
Abundance

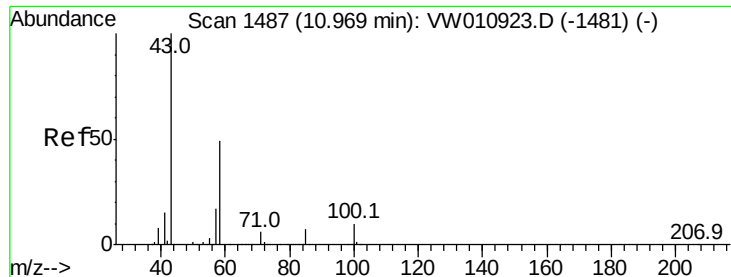
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

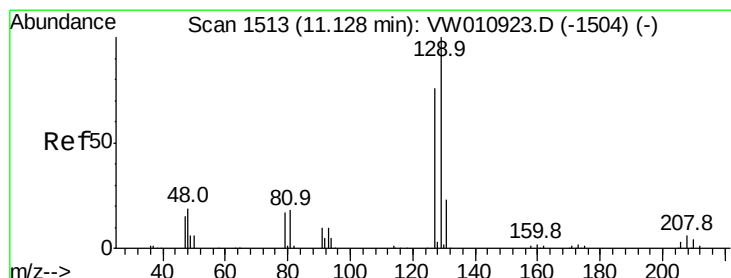
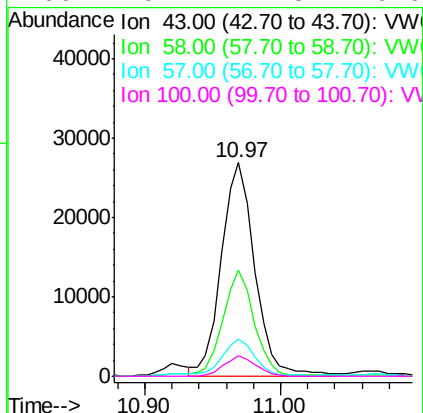
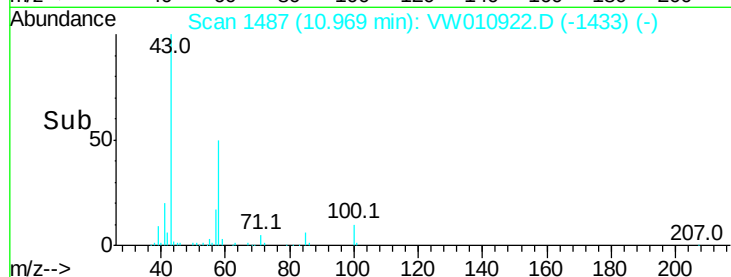
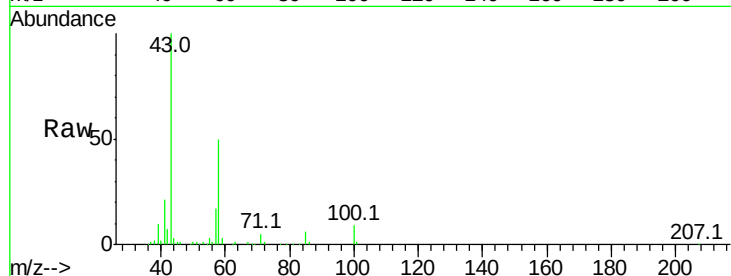




#49
2-Hexanone
Concen: 10.558 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

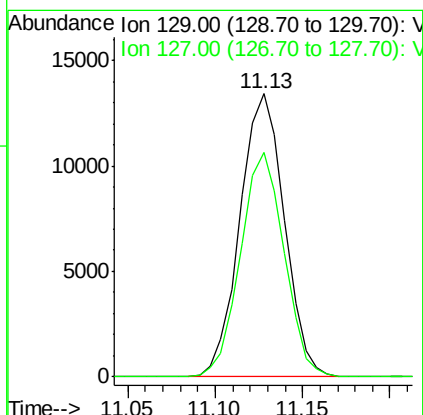
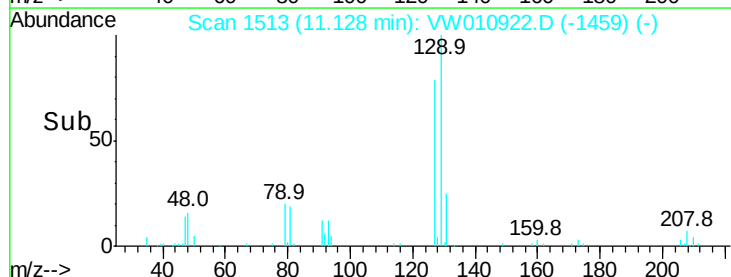
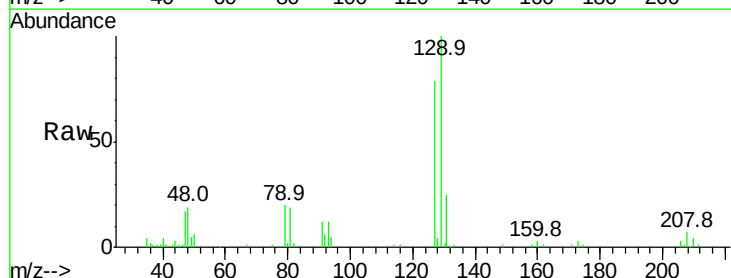
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

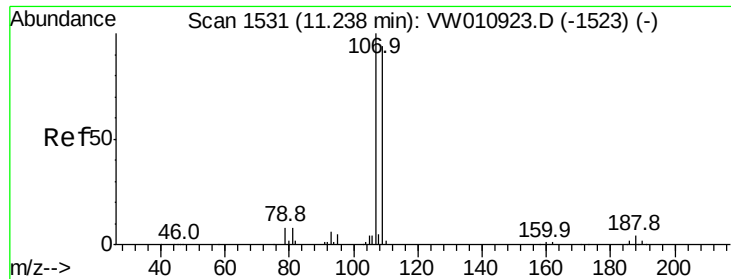
Tgt Ion:	43	Resp:	45586
Ion	Ratio	Lower	Upper
43	100		
58	45.4	38.3	57.5
57	16.2	13.8	20.8
100	9.2	7.3	10.9



#50
Dibromochloromethane
Concen: 5.000 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion:	129	Resp:	23692
Ion	Ratio	Lower	Upper
129	100		
127	79.3	52.8	98.2

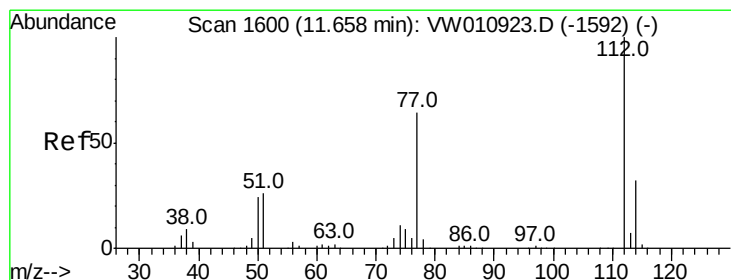
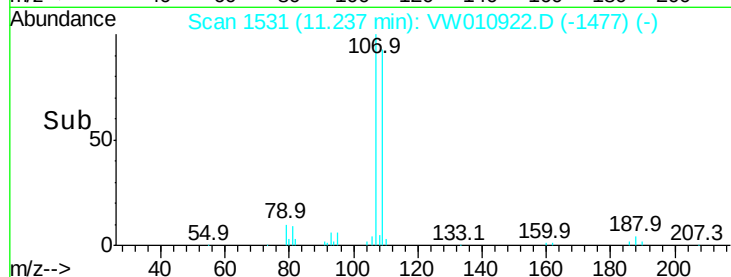
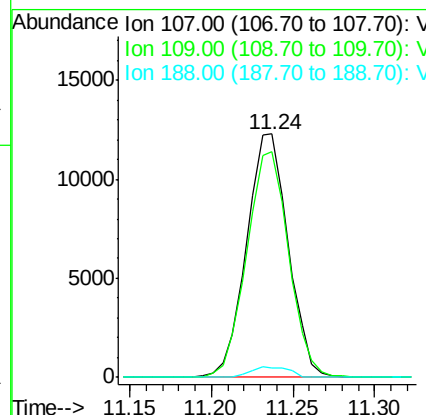
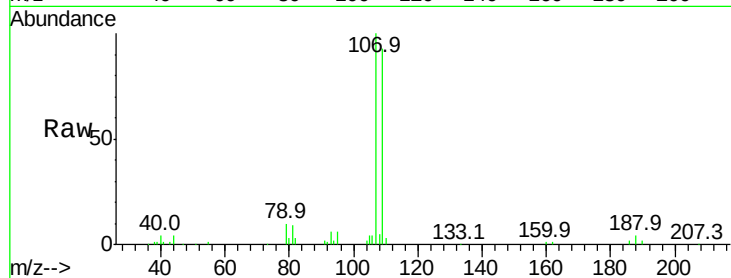




#51
1,2-Dibromoethane
Concen: 4.996 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

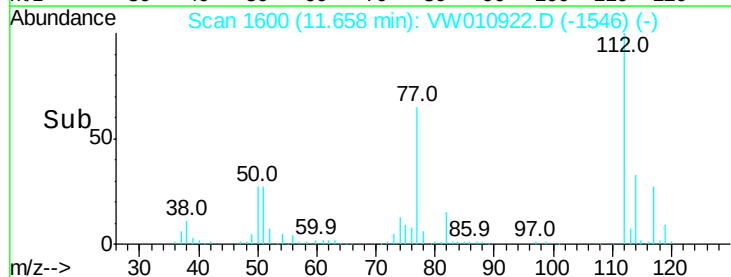
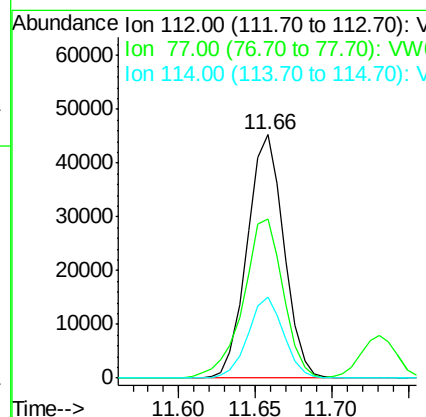
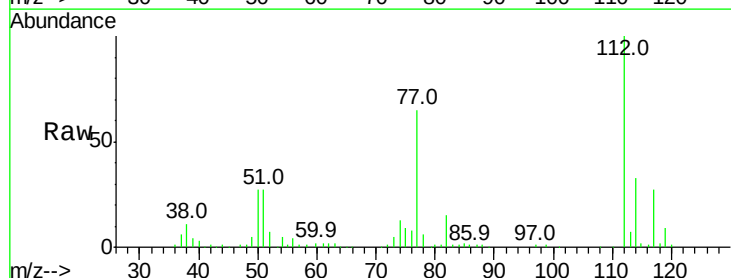
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

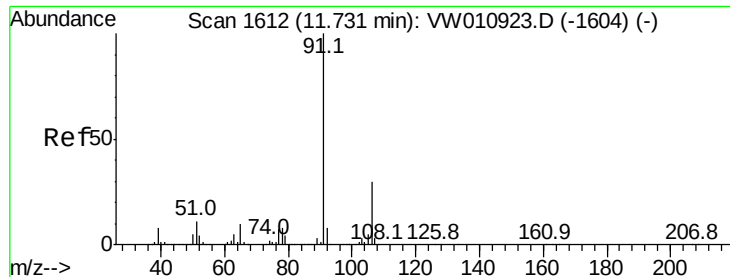
Tgt Ion:107 Resp: 21898
Ion Ratio Lower Upper
107 100
109 92.6 65.5 121.7
188 3.9 3.3 4.9



#52
Chlorobenzene
Concen: 5.176 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion:112 Resp: 75372
Ion Ratio Lower Upper
112 100
77 65.1 51.1 76.7
114 33.1 22.7 42.1





#53

Ethylbenzene

Concen: 5.270 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

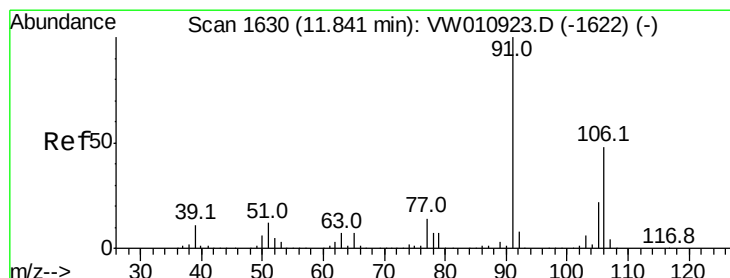
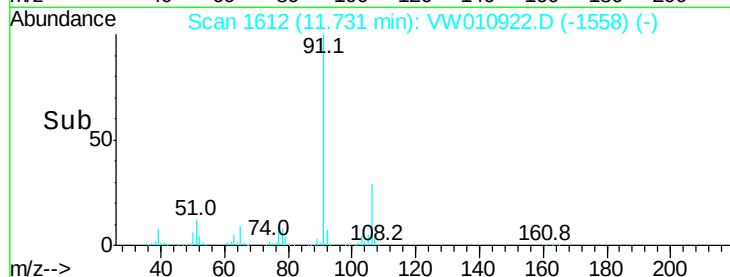
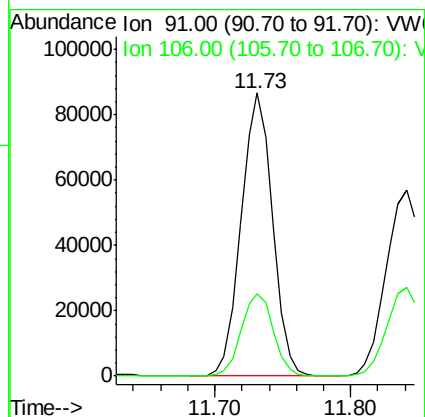
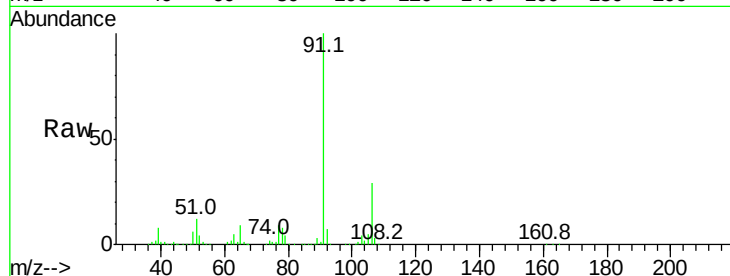
VSTD00503

Tgt Ion: 91 Resp: 139466

Ion Ratio Lower Upper

91 100

106 29.3 20.9 38.7



#54

m,p-Xylene

Concen: 5.214 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010922.D

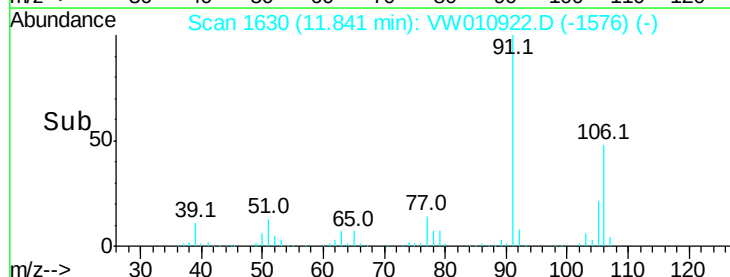
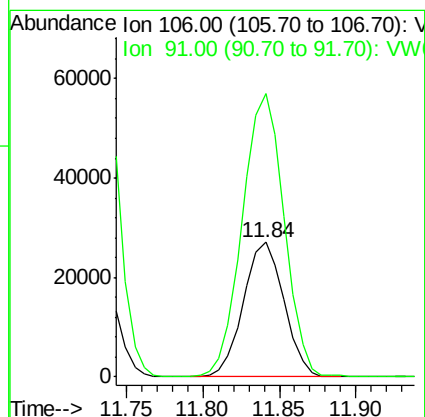
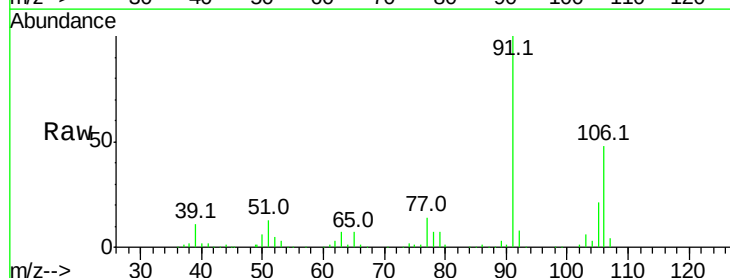
Acq: 24 Jun 2019 08:55

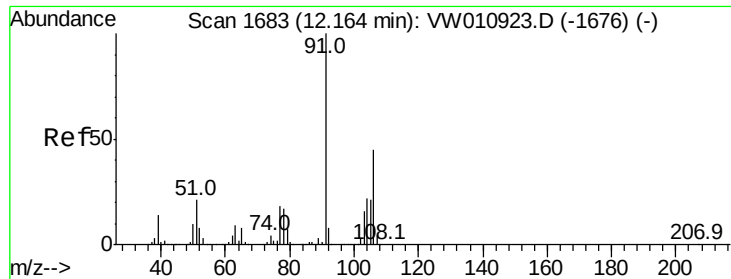
Tgt Ion: 106 Resp: 50205

Ion Ratio Lower Upper

106 100

91 210.2 146.5 272.1

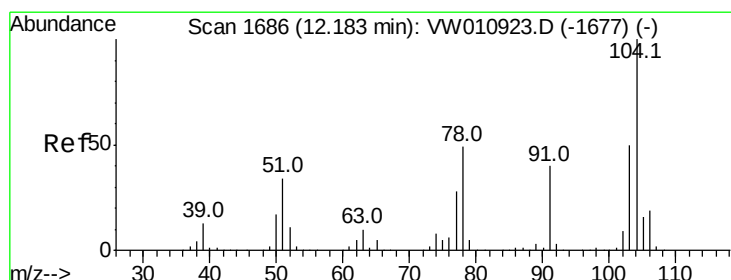
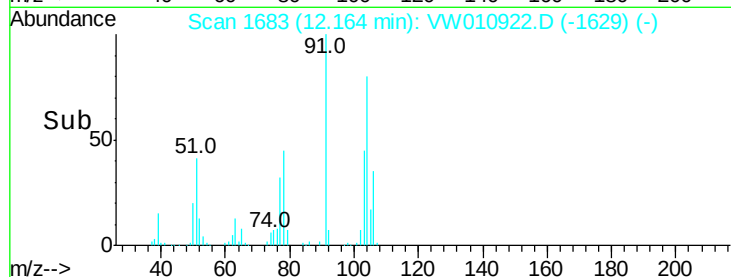
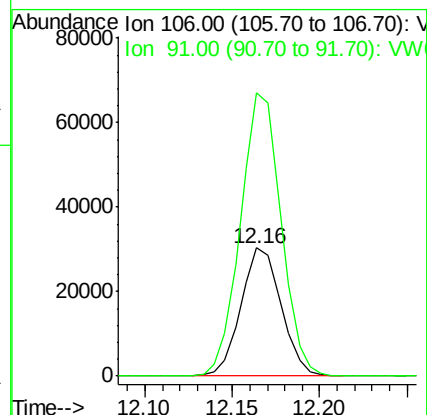
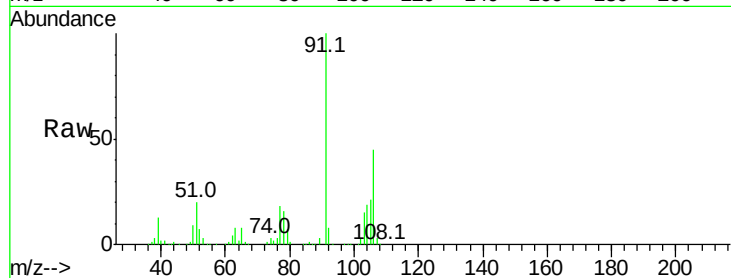




#55
o-xylene
Concen: 5.138 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

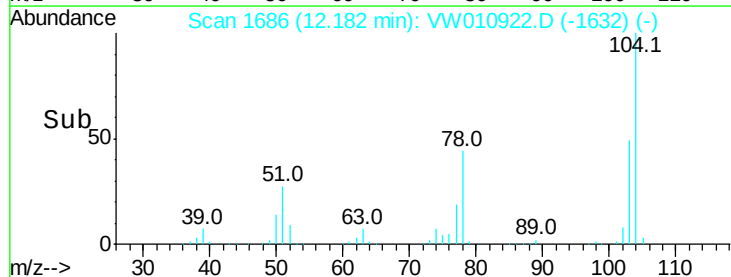
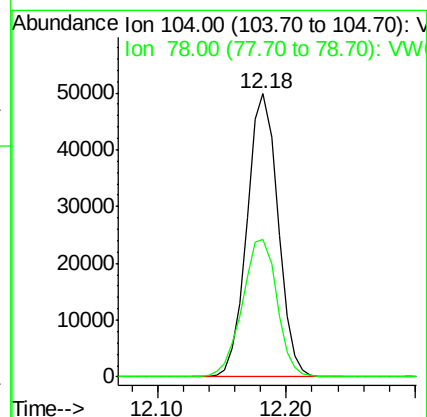
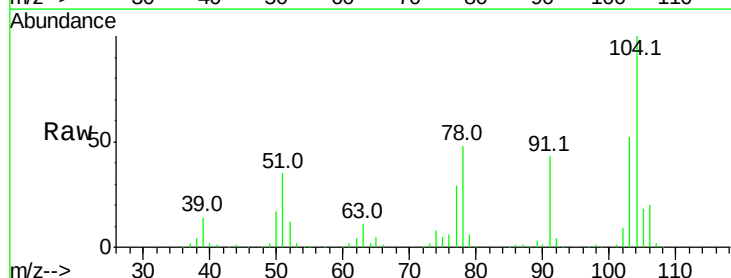
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

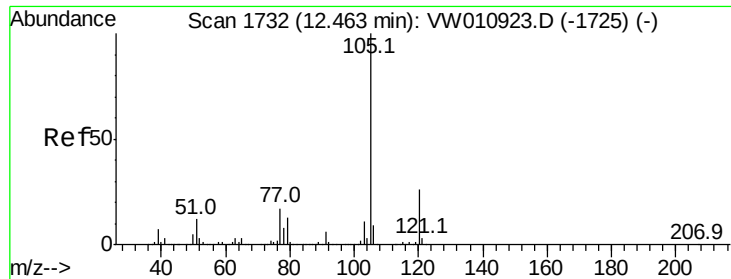
Tgt Ion:106 Resp: 48628
Ion Ratio Lower Upper
106 100
91 221.3 156.1 289.9



#56
Styrene
Concen: 5.092 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010922.D
Acq: 24 Jun 2019 08:55

Tgt Ion:104 Resp: 82749
Ion Ratio Lower Upper
104 100
78 48.5 34.4 64.0





#57

Isopropylbenzene

Concen: 5.354 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampled :

VSTD00503

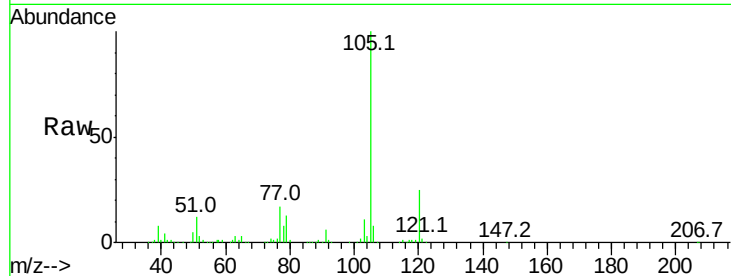
Tgt Ion:105 Resp: 132559

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

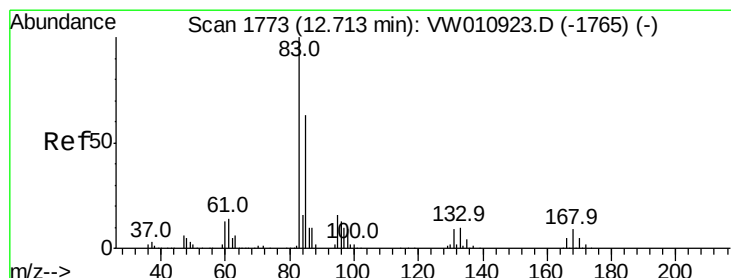
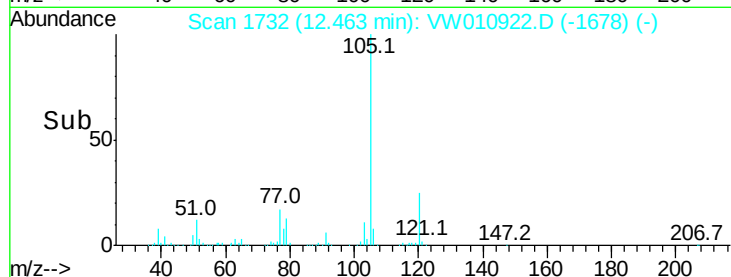
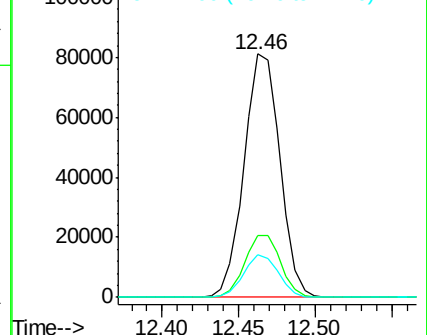
77 17.1 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.072 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

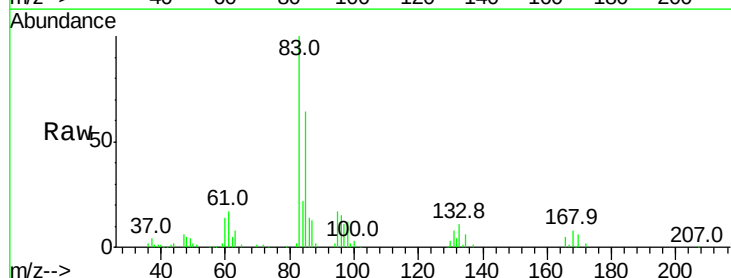
Tgt Ion: 83 Resp: 29943

Ion Ratio Lower Upper

83 100

85 63.9 44.0 81.6

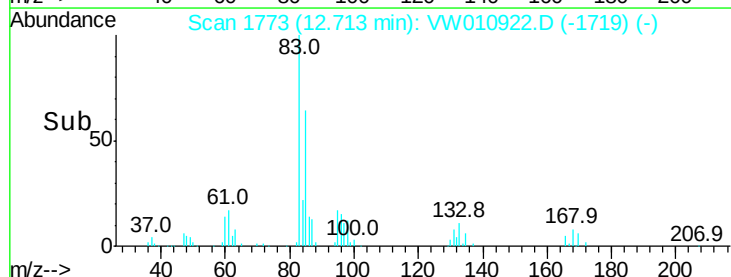
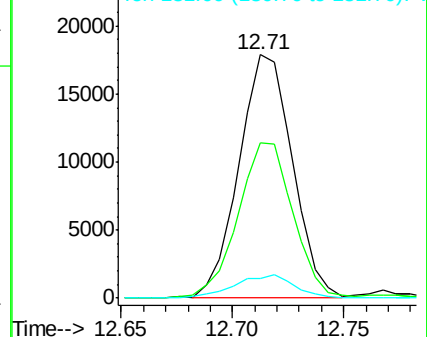
131 8.0 7.4 11.0

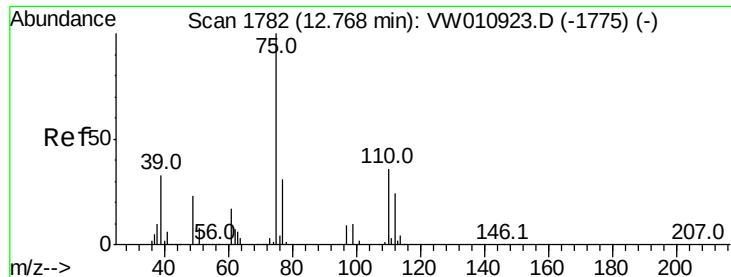


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.037 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

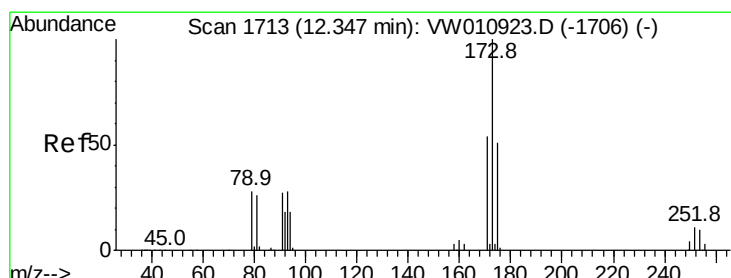
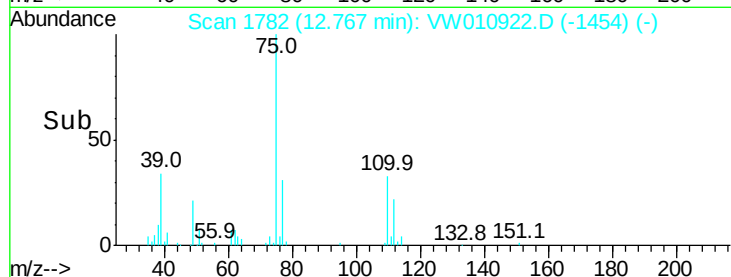
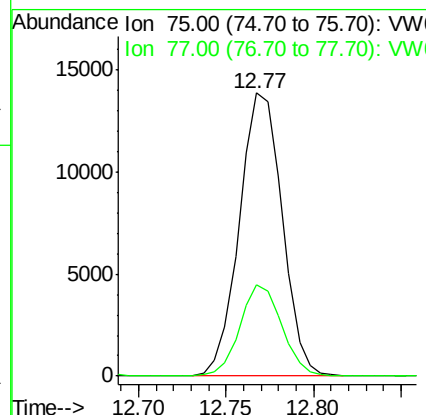
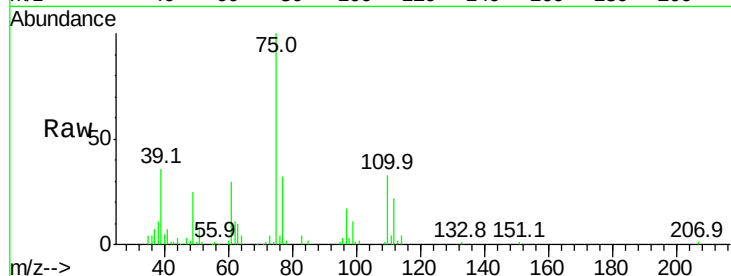
VSTD00503

Tgt Ion: 75 Resp: 23622

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



#62

Bromoform

Concen: 4.810 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

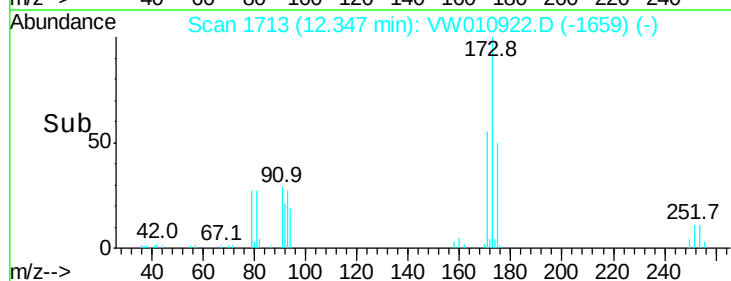
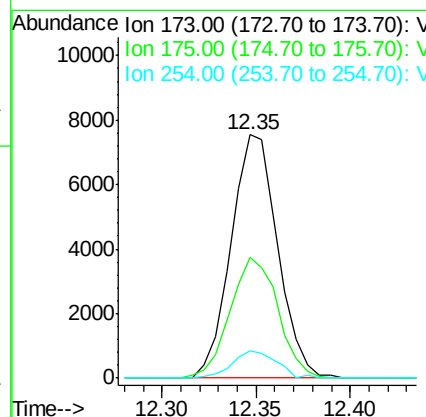
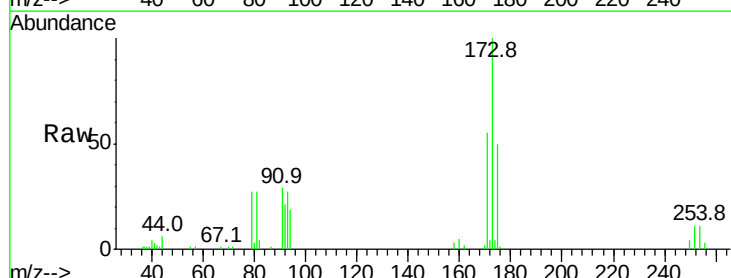
Tgt Ion: 173 Resp: 12949

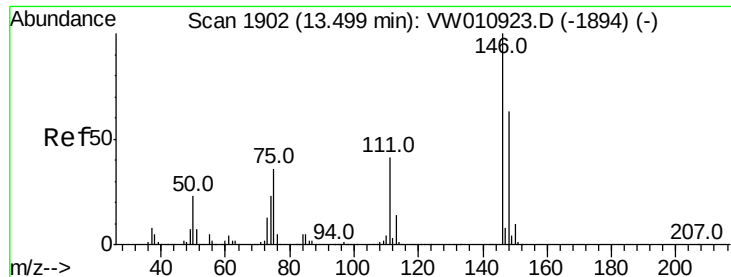
Ion Ratio Lower Upper

173 100

175 50.7 40.1 60.1

254 10.4 8.5 12.7

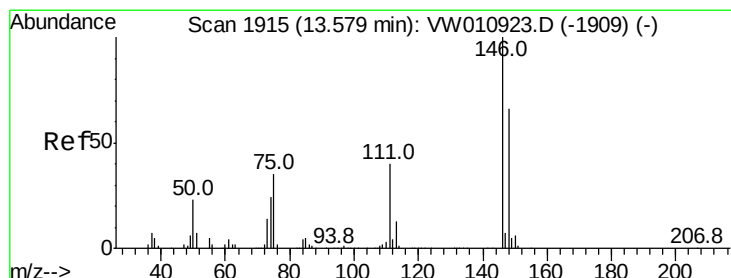
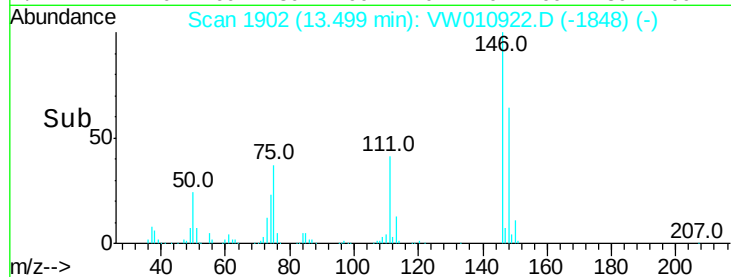
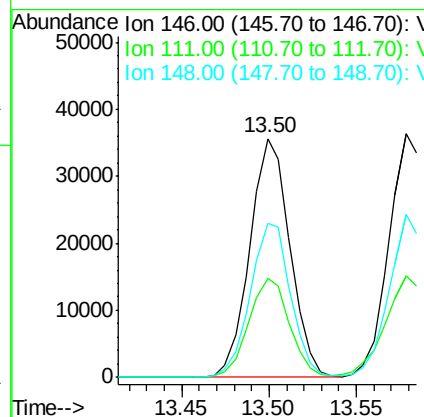
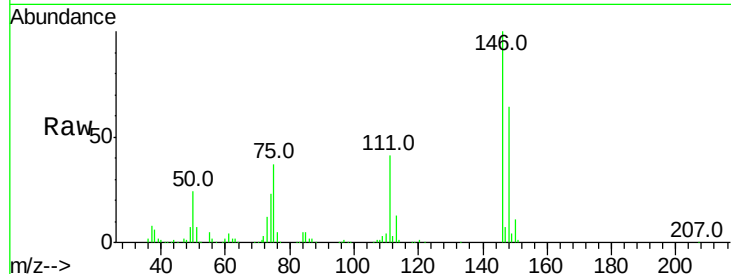




#63
 1,3-Dichlorobenzene
 Concen: 5.135 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

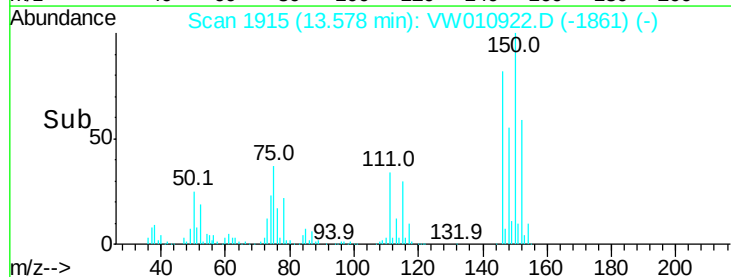
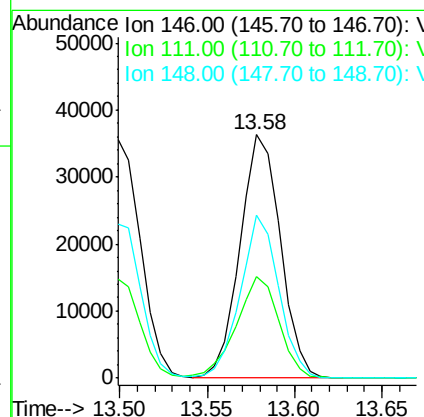
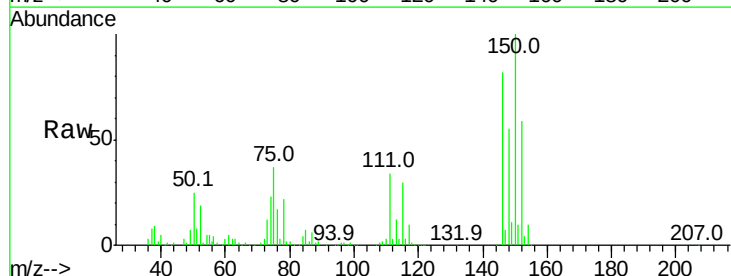
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

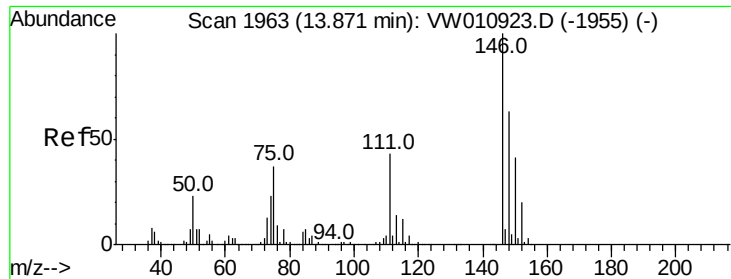
Tgt Ion:146 Resp: 56623
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.9 53.7
 148 64.3 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 5.192 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Tgt Ion:146 Resp: 58439
 Ion Ratio Lower Upper
 146 100
 111 41.7 27.9 51.9
 148 66.9 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 5.023 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

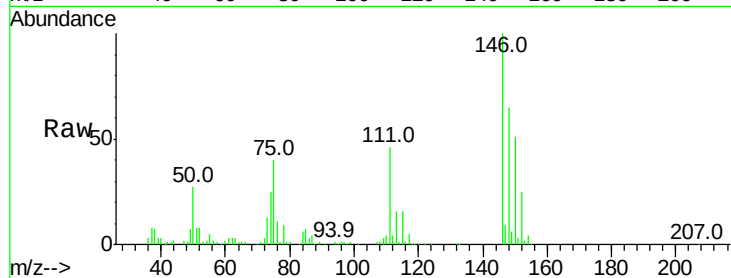
Tgt Ion:146 Resp: 52339

Ion Ratio Lower Upper

146 100

111 46.4 34.6 51.8

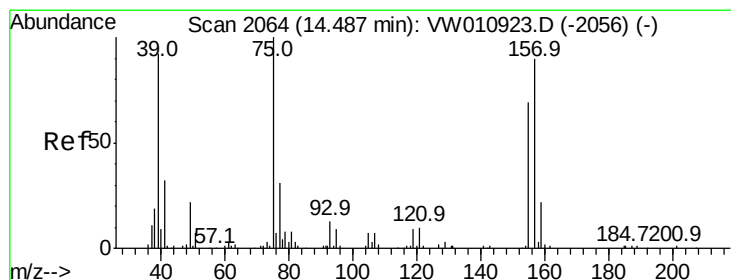
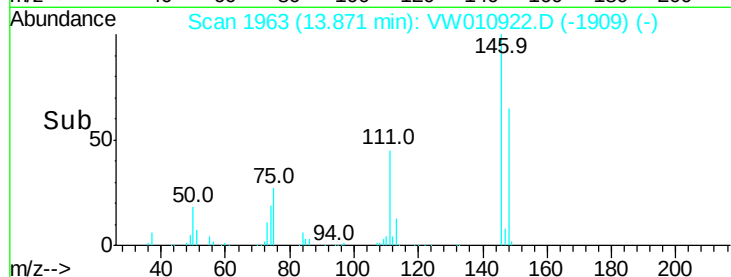
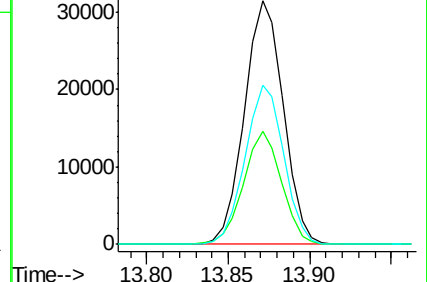
148 65.3 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.057 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

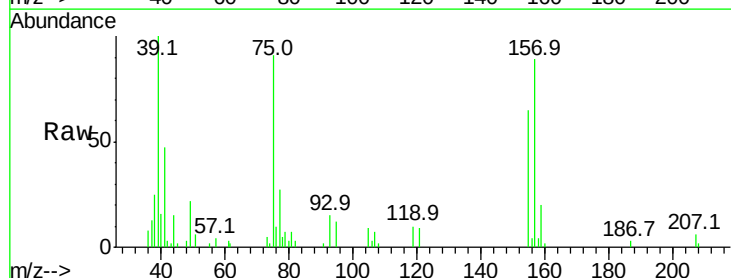
Tgt Ion: 75 Resp: 5401

Ion Ratio Lower Upper

75 100

157 97.8 71.8 107.8

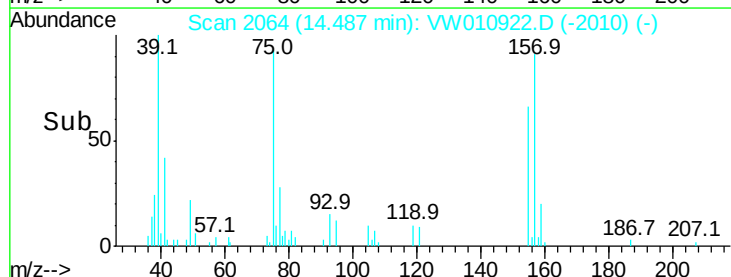
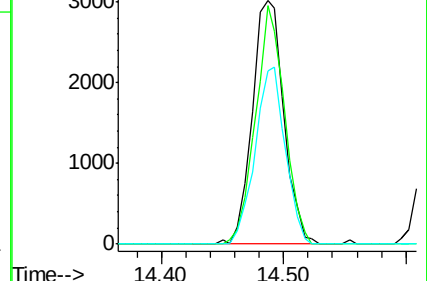
155 71.3 55.2 82.8

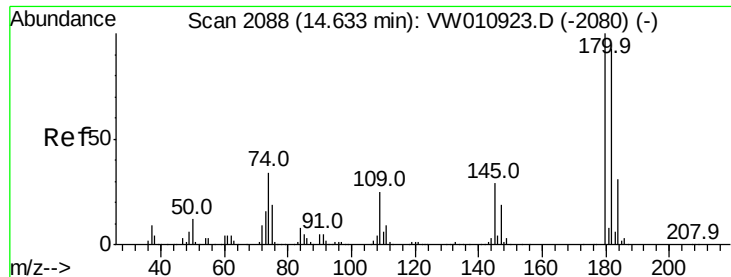


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

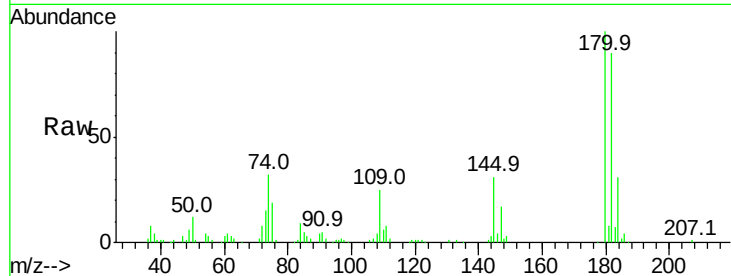




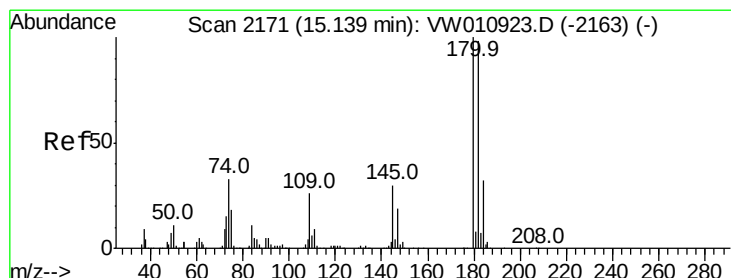
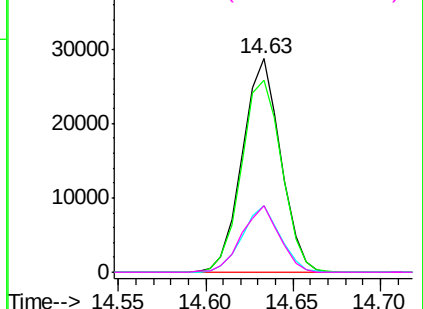
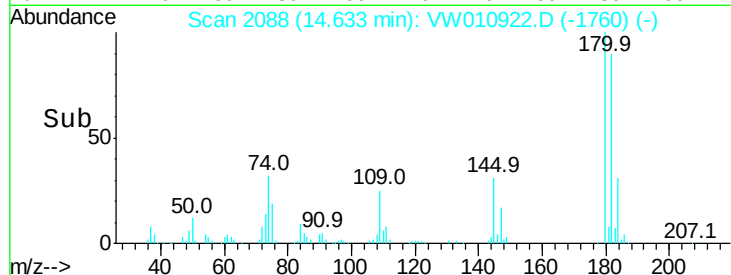
#67
 1,3,5-Trichlorobenzene
 Concen: 5.237 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Tgt Ion:180 Resp: 43717
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.2
 184 31.0 24.3 36.5
 145 30.5 24.2 36.2

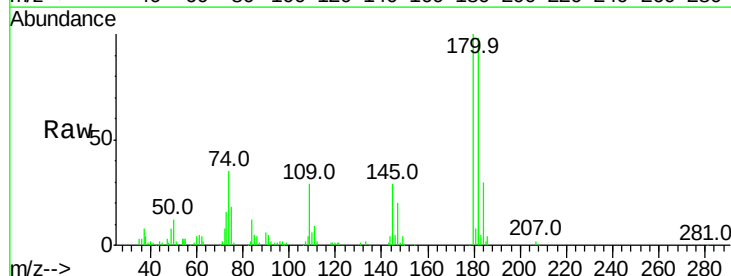


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

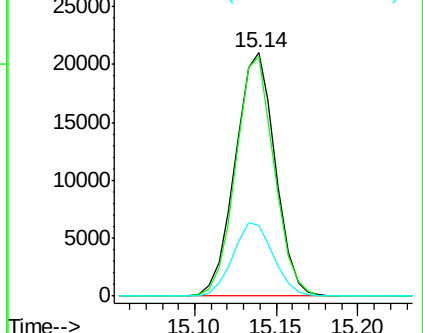
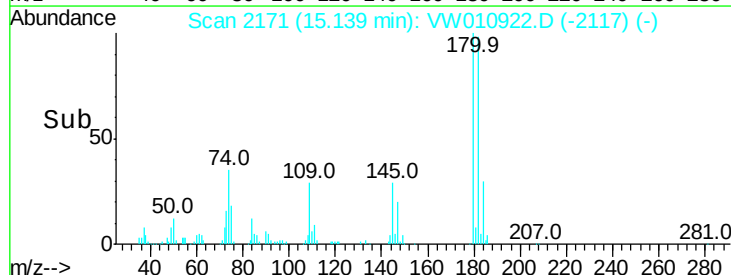


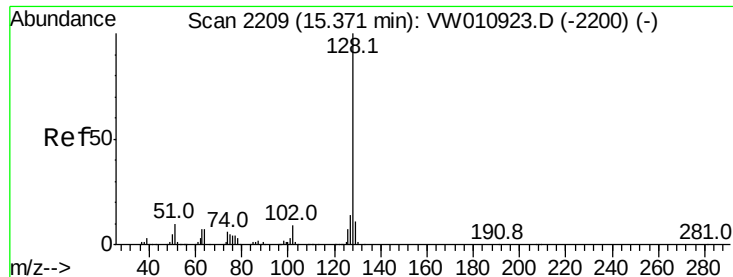
#68
 1,2,4-trichlorobenzene
 Concen: 4.919 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010922.D
 Acq: 24 Jun 2019 08:55

Tgt Ion:180 Resp: 35698
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.1 114.1
 145 30.5 24.2 36.4



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: 4.592 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

Instrument :

MSVOA_W

ClientSampled :

VSTD00503

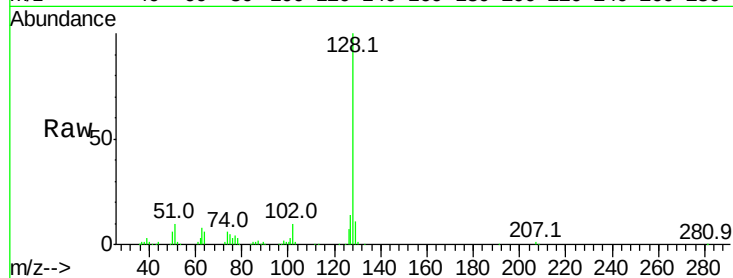
Tgt Ion:128 Resp: 74852

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

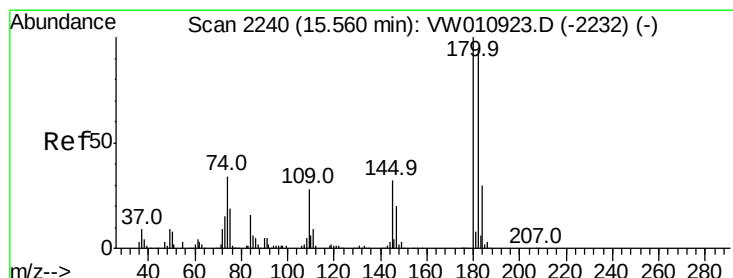
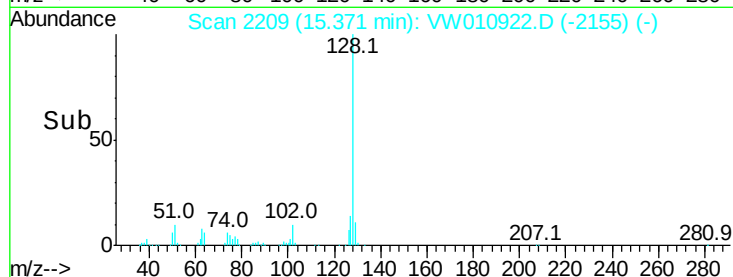
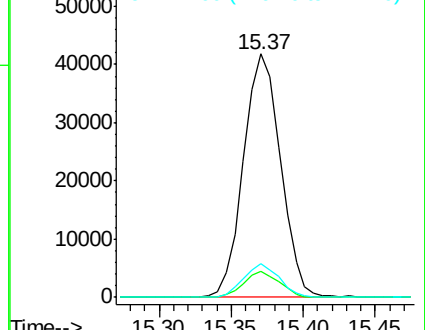
127 13.2 10.9 16.3



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: 4.880 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010922.D

Acq: 24 Jun 2019 08:55

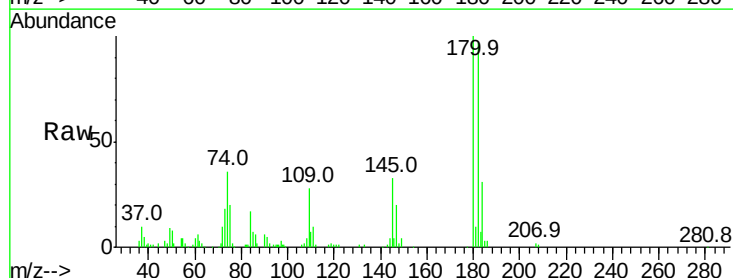
Tgt Ion:180 Resp: 32919

Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 32.0 25.6 38.4



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

