

Data File : VW010921.D
Acq On : 24 Jun 2019 08:28
Operator : SY/VA
Sample : VSTD2.510
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

Quant Time: Jun 24 10:09:25 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	412046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364733	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175201	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14391	2.86	ug/L	0.00
7) Chloroethane-d5	2.89	69	11344	2.74	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	32980	2.84	ug/L	0.00
20) 2-Butanone-d5	7.08	46	11559	4.11	ug/L	0.00
24) Chloroform-d	7.65	84	29841	2.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	18031	2.41	ug/L	0.00
29) Benzene-d6	8.27	84	60222	2.75	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	19664	2.65	ug/L	0.00
37) Toluene-d8	10.32	98	52993	2.67	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7973	2.59	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7598	4.35	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	14898	2.35	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	17392	2.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12462	2.315 ug/L	100
3) Chloromethane	2.21	50	14163	2.275 ug/L	98
5) Vinyl chloride	2.35	62	17654	2.788 ug/L	96
6) Bromomethane	2.77	94	9141	2.639 ug/L	99
8) Chloroethane	2.92	64	9185	2.530 ug/L	85
9) Trichlorofluoromethane	3.25	101	5859	3.099 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13869	2.715 ug/L	96
12) 1,1-Dichloroethene	4.04	96	14227	2.803 ug/L	92
13) Acetone	4.12	43	13082	6.161 ug/L	96
14) Carbon disulfide	4.39	76	39813	2.765 ug/L	100
15) Methyl Acetate	4.67	43	9040	2.075 ug/L	# 89
16) Methylene chloride	4.92	84	15287	2.435 ug/L	87
17) Methyl tert-butyl Ether	5.43	73	22586	2.559 ug/L	# 86
18) trans-1,2-Dichloroethene	5.42	96	14184	2.592 ug/L	98
19) 1,1-Dichloroethane	6.21	63	29105	2.609 ug/L	95
21) 2-Butanone	7.17	43	14715	4.539 ug/L	78
22) cis-1,2-Dichloroethene	7.17	96	15010	2.482 ug/L	96
23) Bromochloromethane	7.51	128	6580	2.503 ug/L	86
25) Chloroform	7.67	83	27122	2.577 ug/L	98
27) 1,2-Dichloroethane	8.40	62	20684	2.433 ug/L	96
30) Cyclohexane	7.95	56	30135	2.890 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	20211	2.966 ug/L	98
32) Carbon tetrachloride	8.07	117	18351	2.915 ug/L	98
34) Benzene	8.32	78	61424	2.743 ug/L	100
35) Trichloroethene	9.09	95	15464	2.788 ug/L	99
36) Methylcyclohexane	9.34	83	27610	2.844 ug/L	98
40) 1,2-Dichloropropane	9.37	63	16800	2.683 ug/L	99
41) Bromodichloromethane	9.64	83	18639	2.587 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	23456	2.551 ug/L	91
43) 4-Methyl-2-pentanone	10.21	43	28870	4.781 ug/L	99

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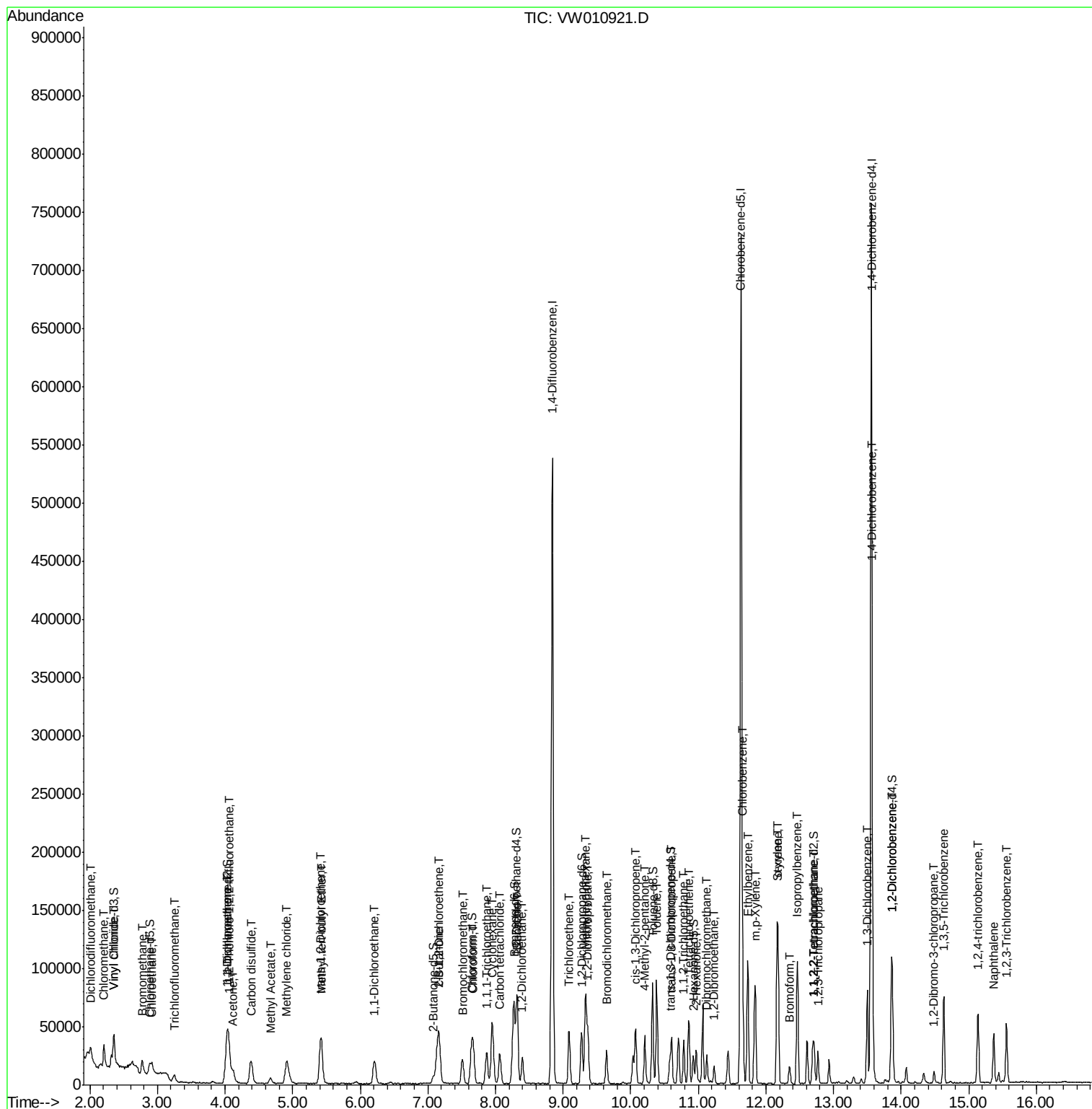
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	62813	2.702	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	18989	2.462	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	11050	2.522	ug/L	96
47) Tetrachloroethene	10.86	164	11815	2.892	ug/L	97
49) 2-Hexanone	10.97	43	19677	4.629	ug/L	98
50) Dibromochloromethane	11.13	129	11419	2.448	ug/L	98
51) 1,2-Dibromoethane	11.24	107	10395	2.409	ug/L	100
52) Chlorobenzene	11.66	112	37644	2.626	ug/L	98
53) Ethylbenzene	11.73	91	70153	2.693	ug/L	97
54) m,p-Xylene	11.84	106	25314	2.670	ug/L	97
55) o-xylene	12.16	106	23710	2.545	ug/L	95
56) Styrene	12.18	104	40491	2.531	ug/L	99
57) Isopropylbenzene	12.46	105	64563	2.649	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	13762	2.368	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	10860	2.353	ug/L	95
62) Bromoform	12.35	173	6358	2.401	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	28566	2.634	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	28607	2.584	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	26343	2.570	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2447	2.329	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	21428	2.610	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	17327	2.427	ug/L	98
69) Naphthalene	15.37	128	33527	2.091	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	15809	2.383	ug/L	99

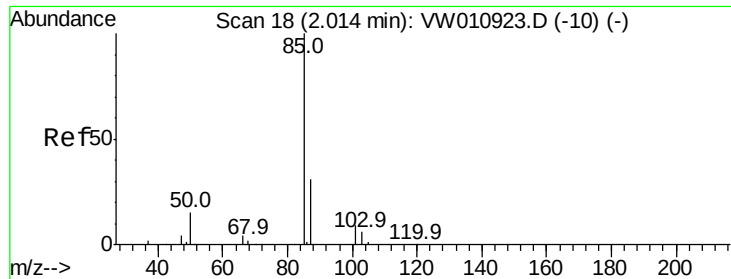
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.315 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampled :

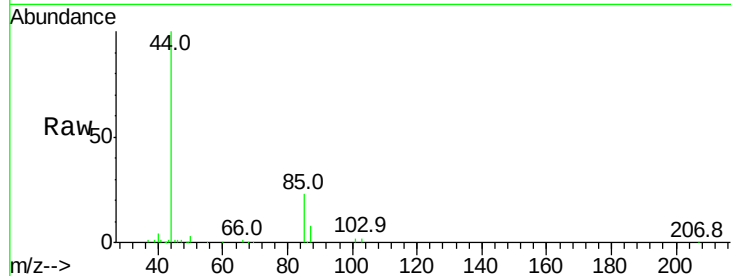
VSTD2.502

Tgt Ion: 85 Resp: 12462

Ion Ratio Lower Upper

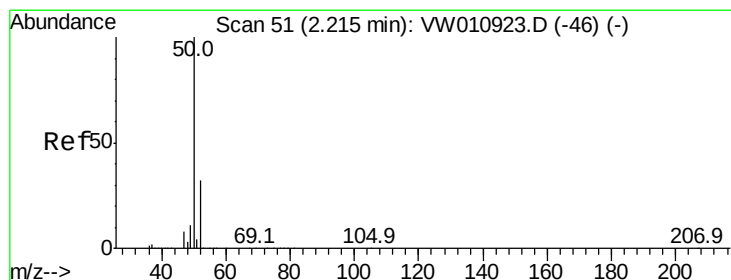
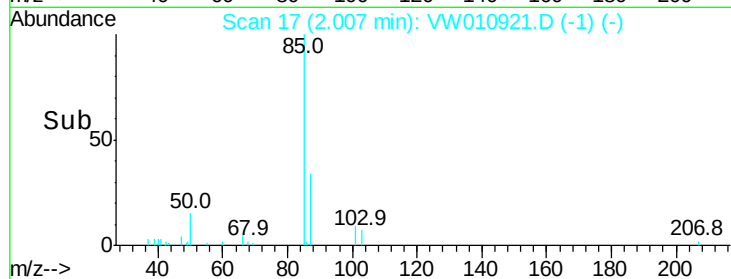
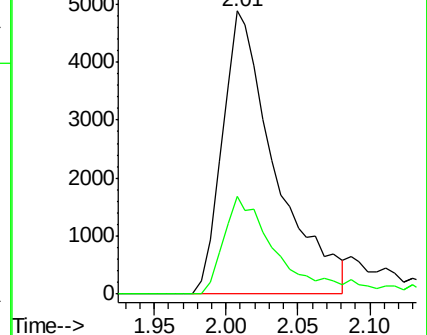
85 100

87 30.9 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: 2.275 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010921.D

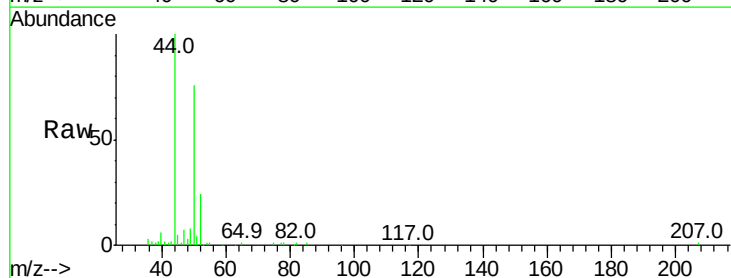
Acq: 24 Jun 2019 08:28

Tgt Ion: 50 Resp: 14163

Ion Ratio Lower Upper

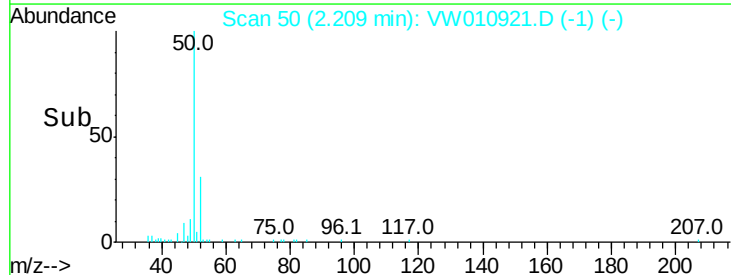
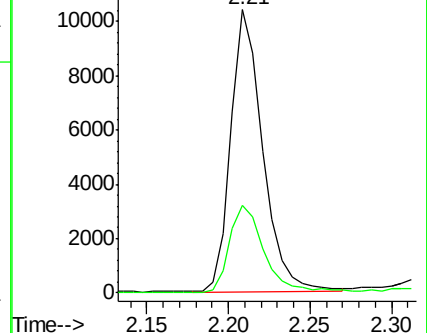
50 100

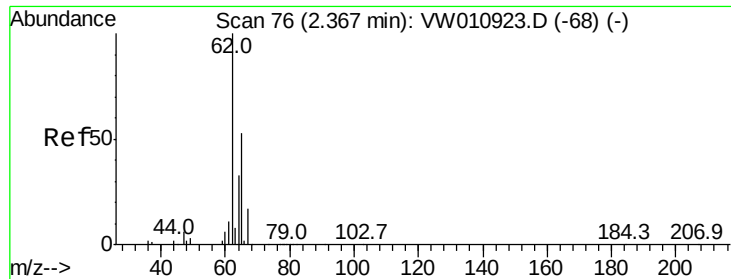
52 31.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.788 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampled :

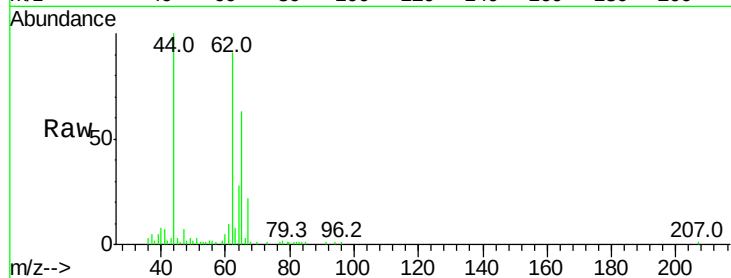
VSTD2.502

Tgt Ion: 62 Resp: 17654

Ion Ratio Lower Upper

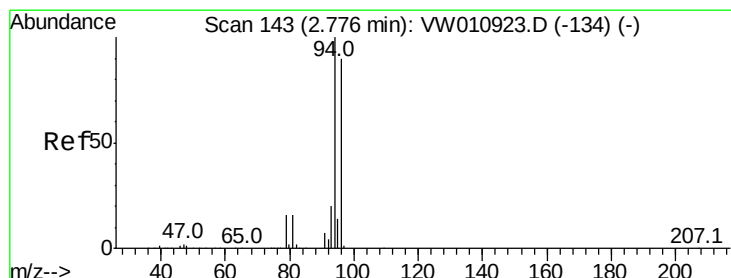
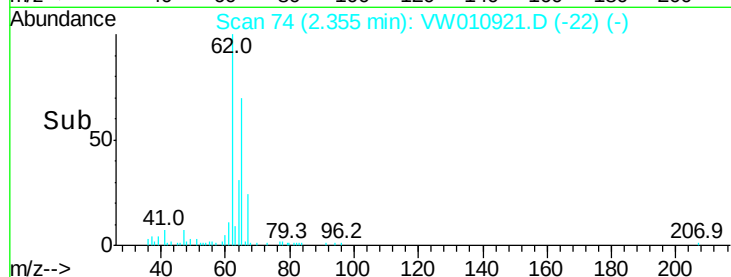
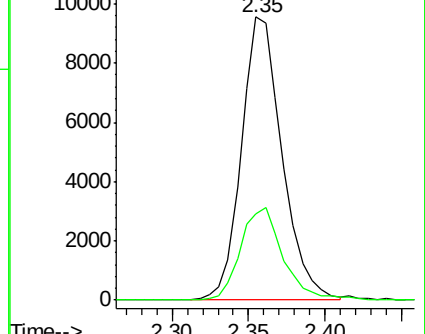
62 100

64 30.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 2.639 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010921.D

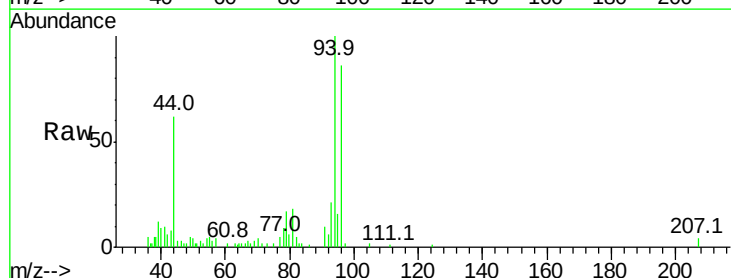
Acq: 24 Jun 2019 08:28

Tgt Ion: 94 Resp: 9141

Ion Ratio Lower Upper

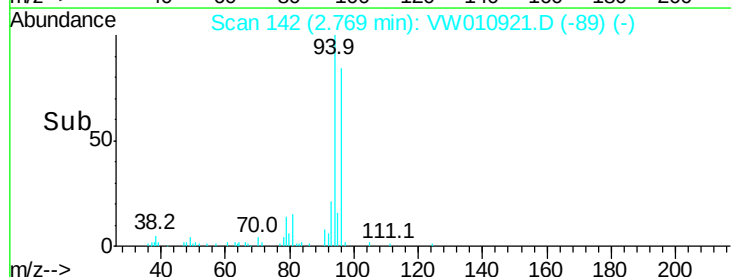
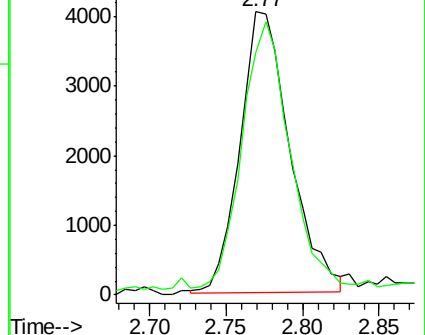
94 100

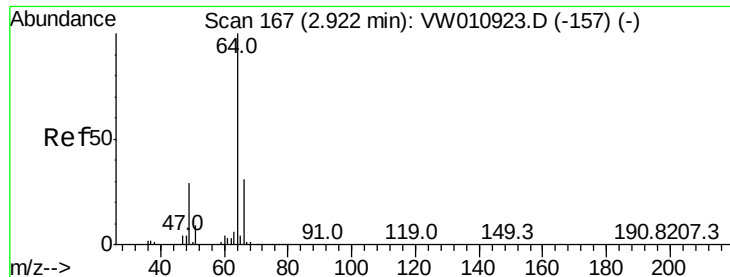
96 93.1 9.2 175.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 2.530 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

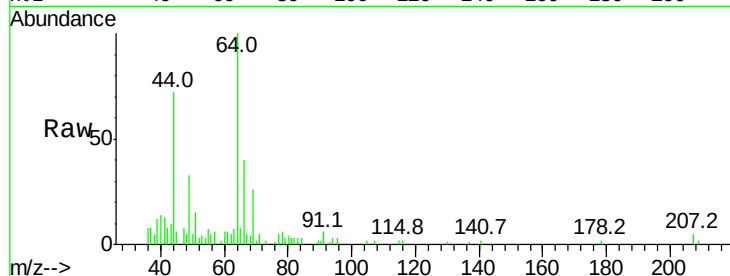
VSTD2.502

Tgt Ion: 64 Resp: 9185

Ion Ratio Lower Upper

64 100

66 39.6 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

4000

3000

2000

1000

0

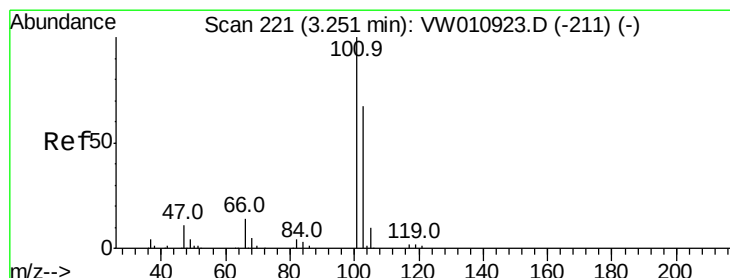
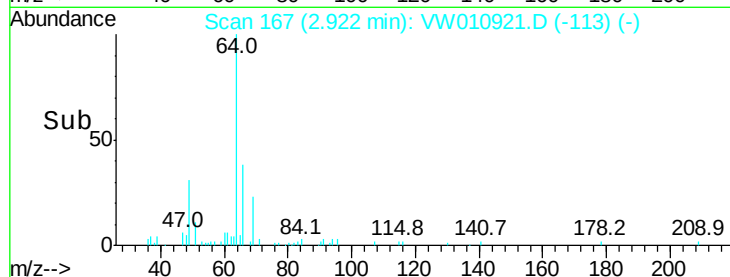
Time-->

2.85

2.90

2.95

3.00



#9

Trichlorofluoromethane

Concen: 3.099 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW010921.D

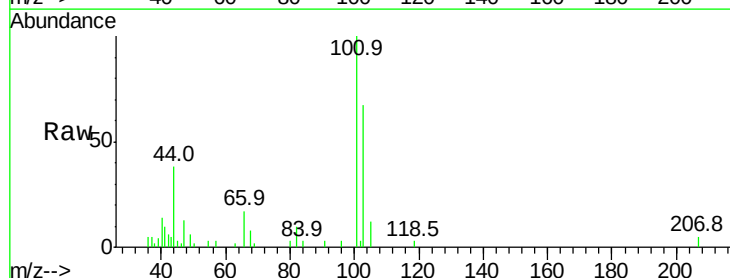
Acq: 24 Jun 2019 08:28

Tgt Ion: 101 Resp: 5859

Ion Ratio Lower Upper

101 100

103 65.0 46.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.25

2500

2000

1500

1000

500

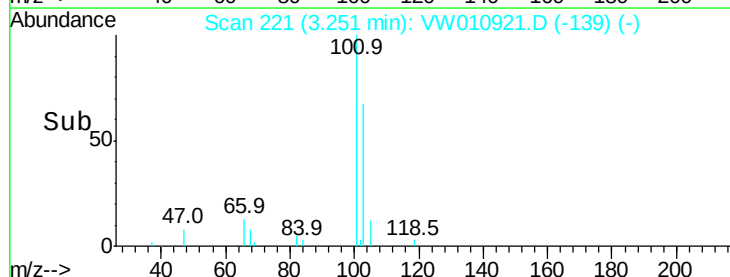
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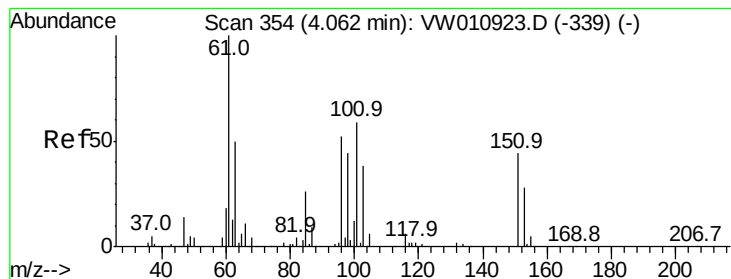
Time-->

3.20

3.25

3.30





#11

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

Concen: 2.715 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

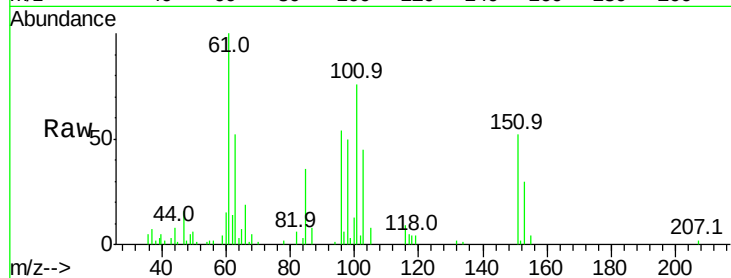
Tgt Ion: 101 Resp: 13869

Ion Ratio Lower Upper

101 100

85 48.1 35.8 53.8

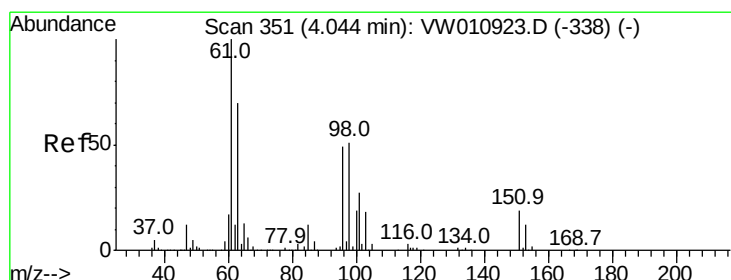
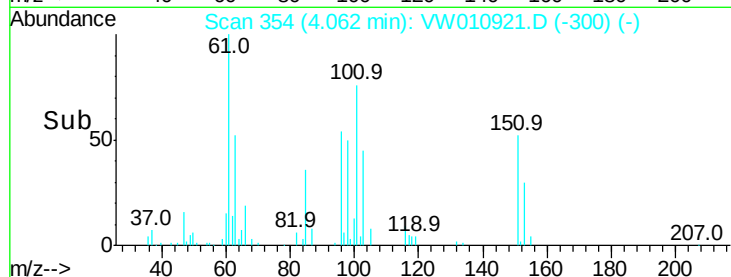
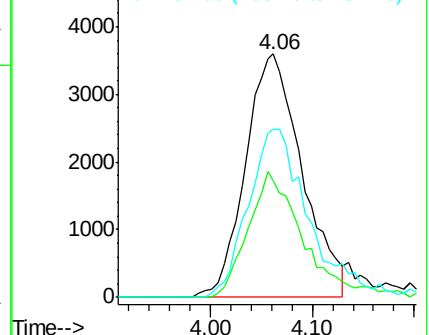
151 68.2 56.9 85.3



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: 2.803 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

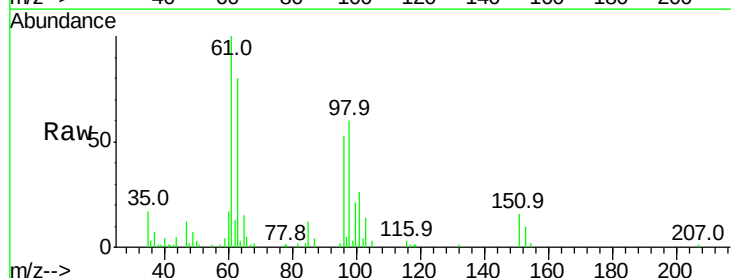
Tgt Ion: 96 Resp: 14227

Ion Ratio Lower Upper

96 100

61 190.0 144.5 268.3

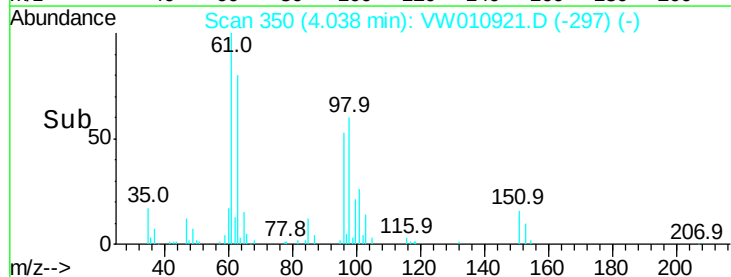
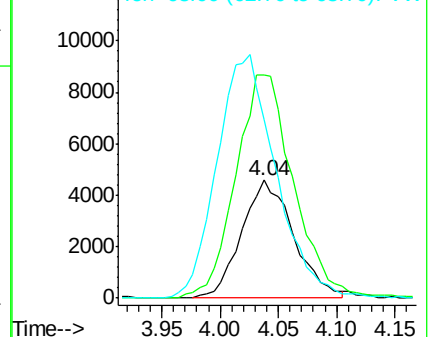
63 152.0 102.3 189.9

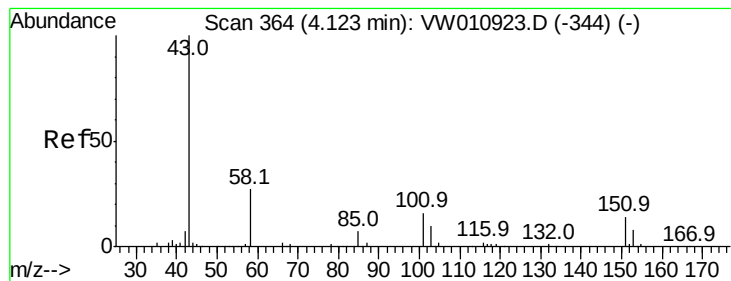


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.161 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

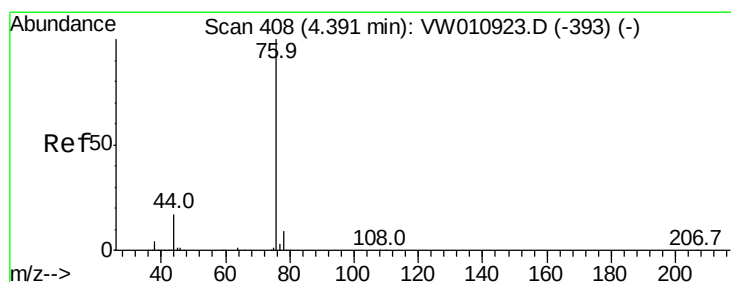
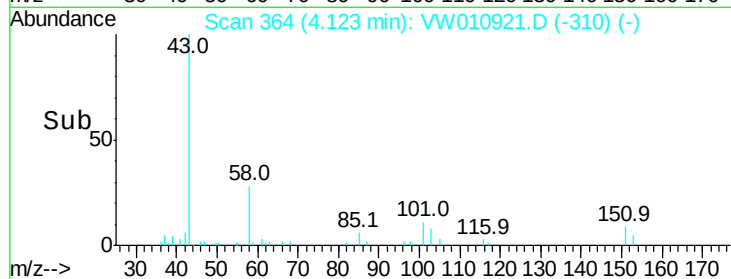
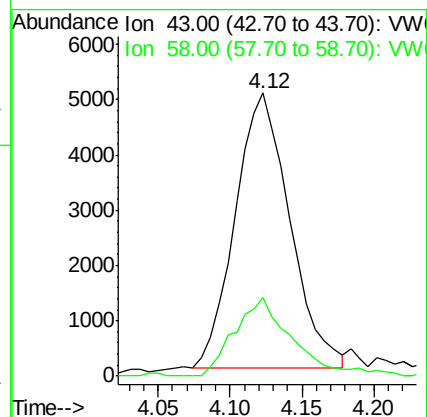
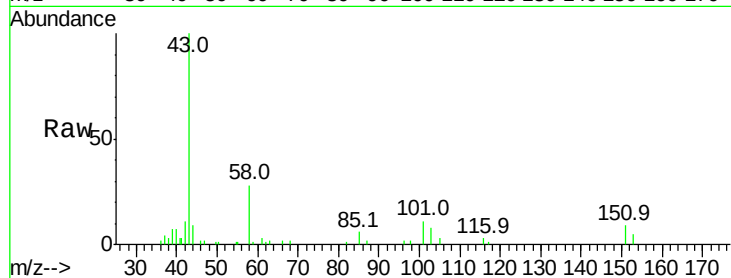
VSTD2.502

Tgt Ion: 43 Resp: 13082

Ion Ratio Lower Upper

43 100

58 28.9 0.0 53.2



#14

Carbon disulfide

Concen: 2.765 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW010921.D

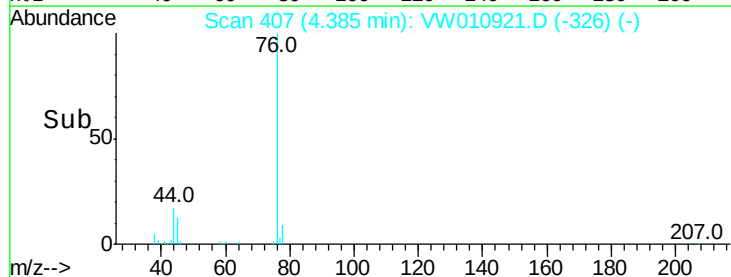
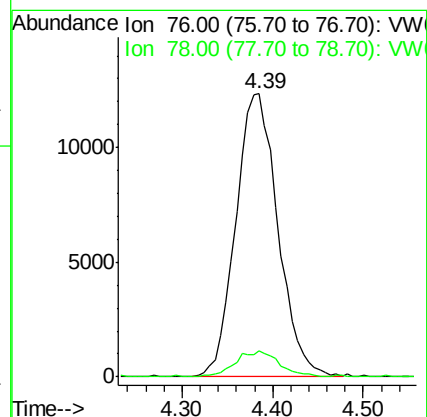
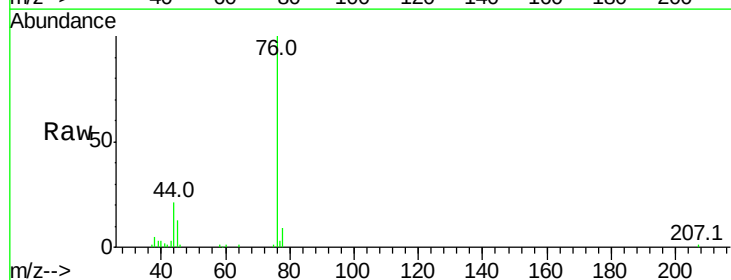
Acq: 24 Jun 2019 08:28

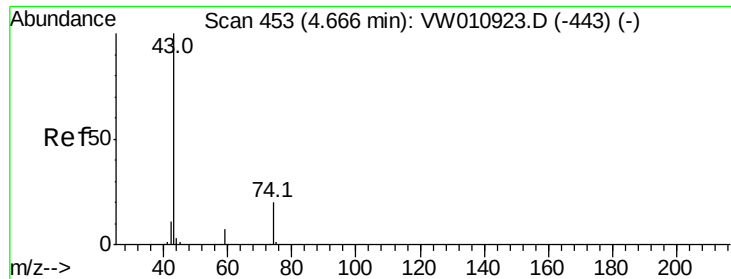
Tgt Ion: 76 Resp: 39813

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

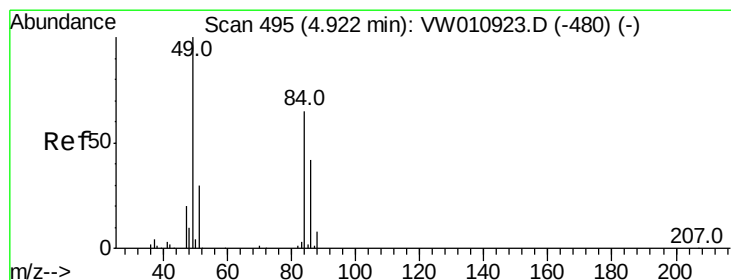
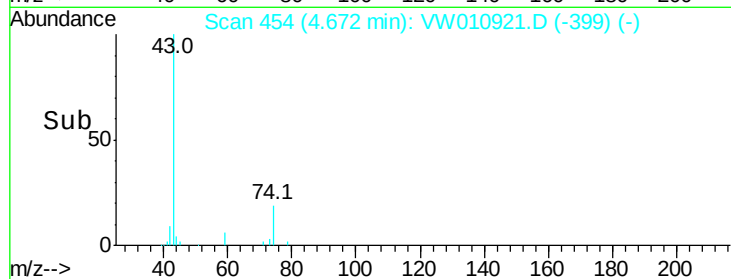
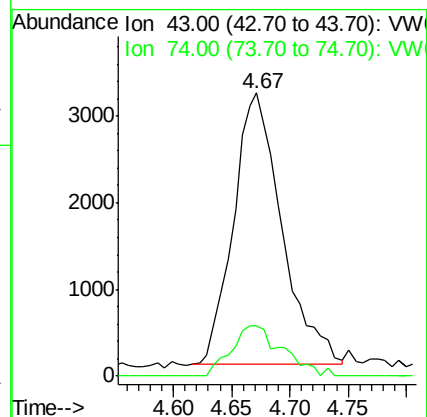
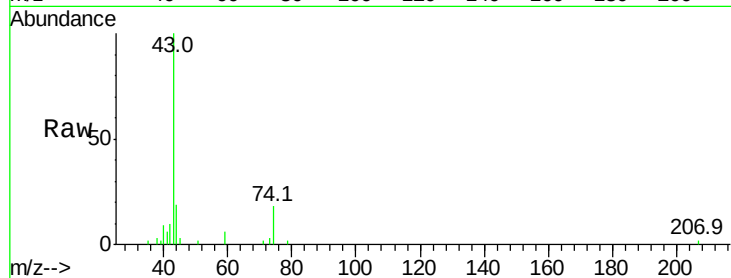




#15
Methyl Acetate
Concen: 2.075 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

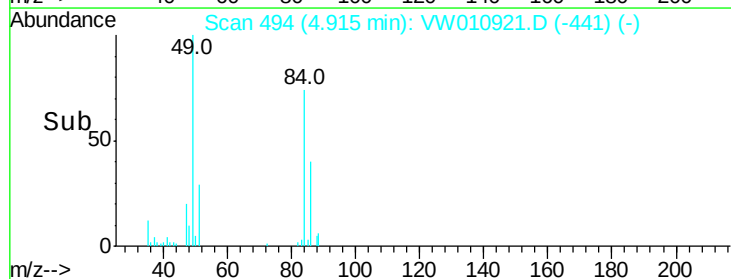
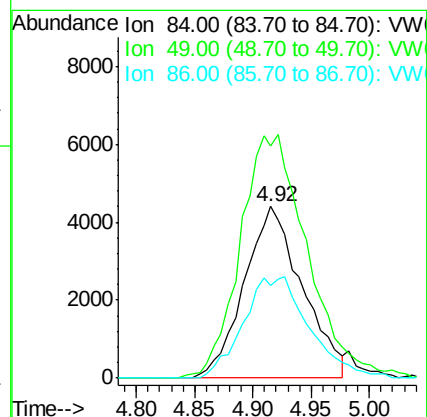
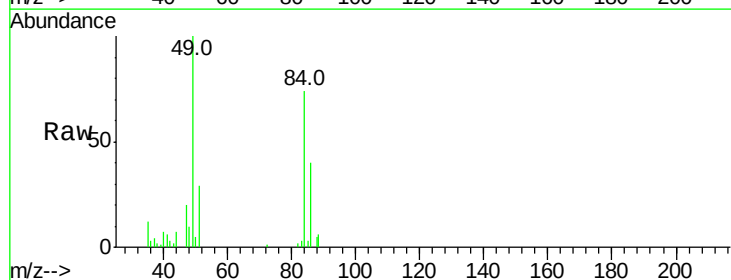
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

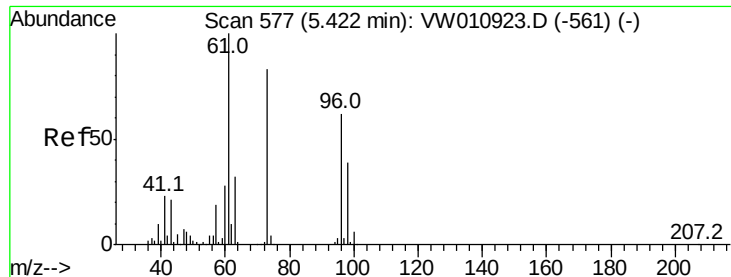
Tgt Ion: 43 Resp: 9040
Ion Ratio Lower Upper
43 100
74 14.1 15.3 22.9#



#16
Methylene chloride
Concen: 2.435 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

Tgt Ion: 84 Resp: 15287
Ion Ratio Lower Upper
84 100
49 135.1 107.0 198.8
86 54.0 44.4 82.5

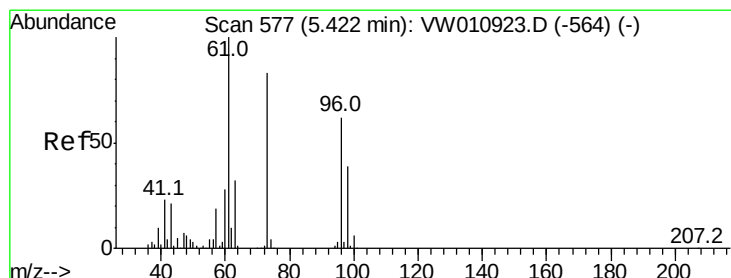
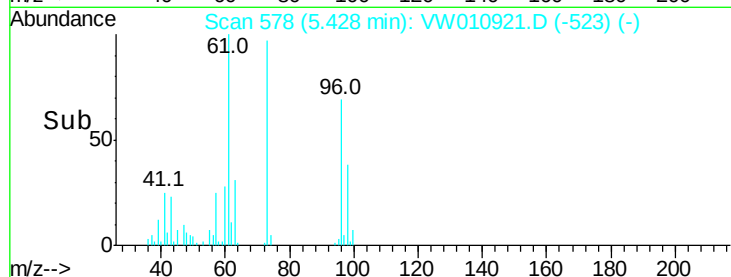
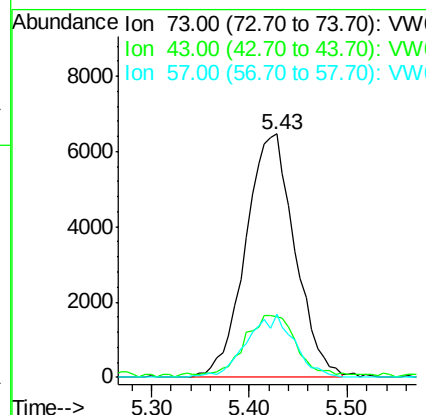
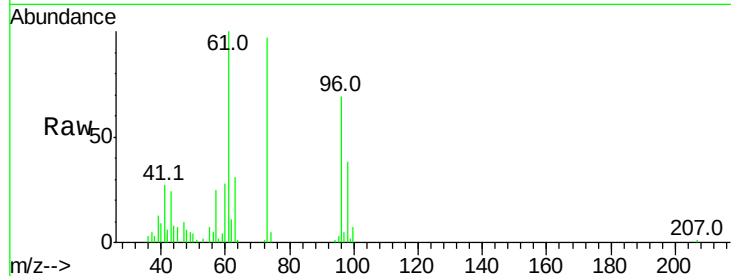




#17
Methyl tert-butyl Ether
Concen: 2.559 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

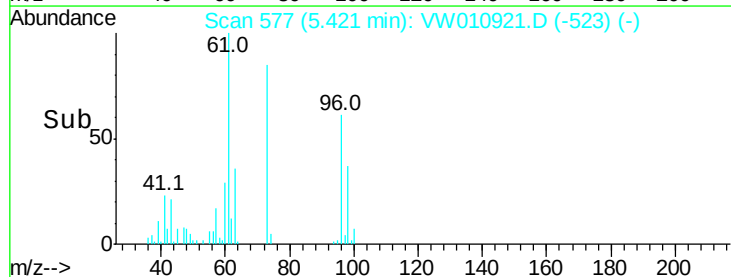
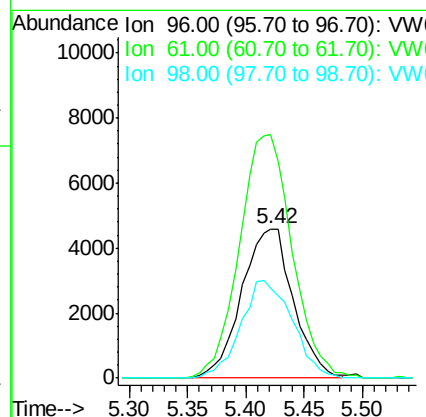
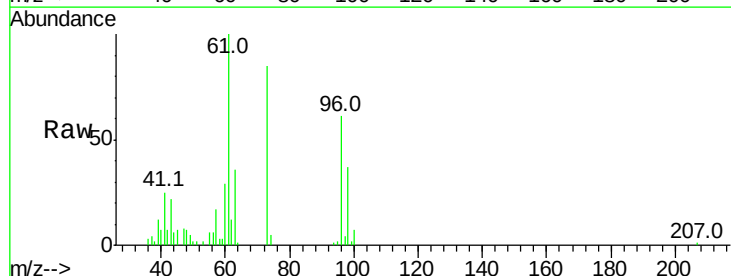
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

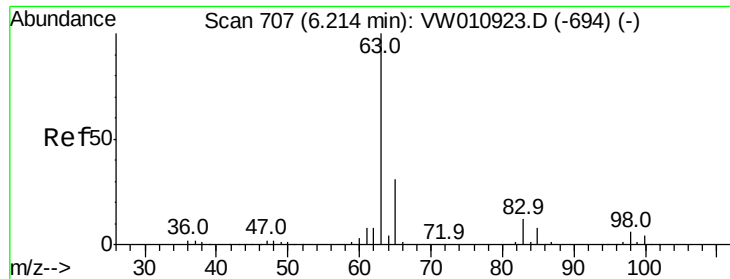
Tgt Ion: 73 Resp: 22586
Ion Ratio Lower Upper
73 100
43 24.0 20.2 30.2
57 11.8 19.4 29.0#



#18
trans-1,2-Dichloroethene
Concen: 2.592 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

Tgt Ion: 96 Resp: 14184
Ion Ratio Lower Upper
96 100
61 163.2 113.3 210.3
98 60.7 44.1 81.9

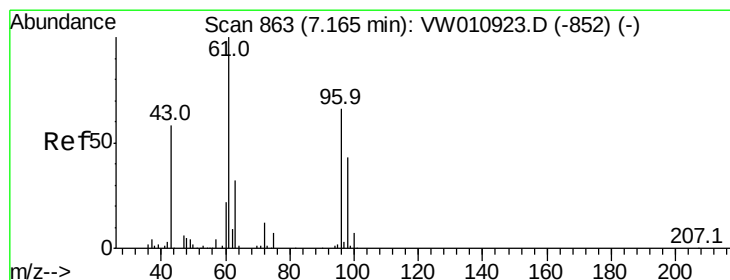
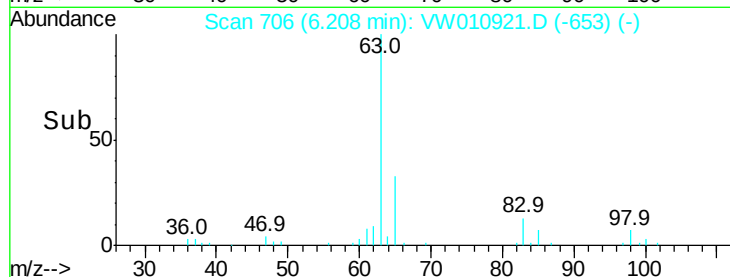
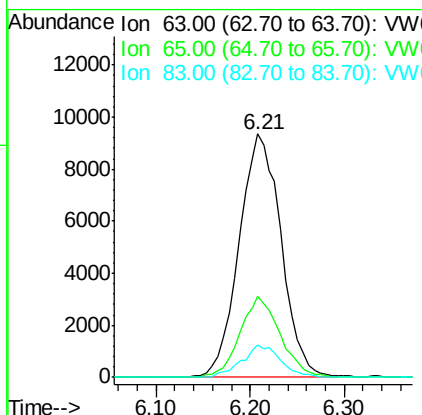
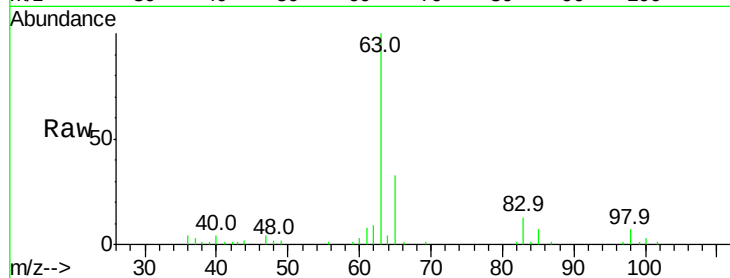




#19
 1,1-Dichloroethane
 Concen: 2.609 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

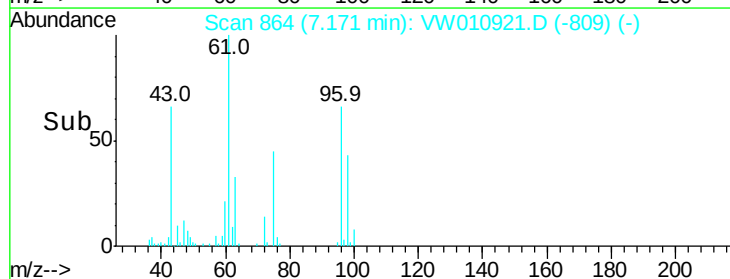
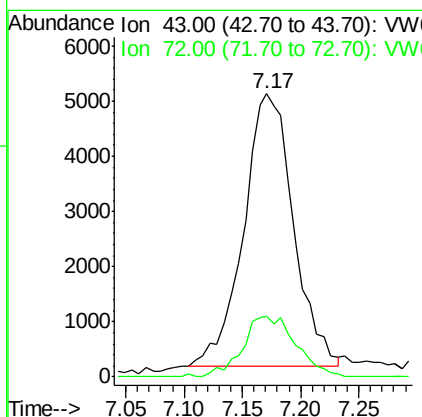
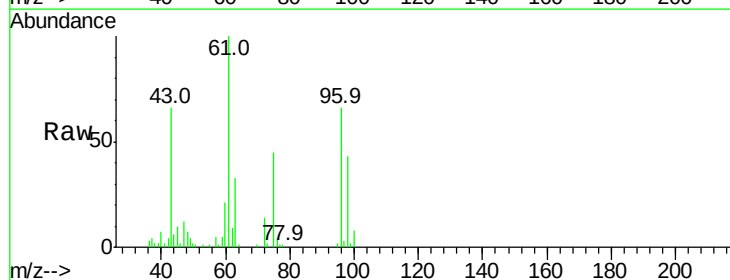
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

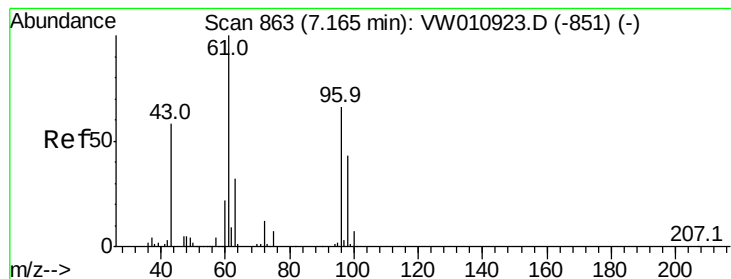
Tgt Ion: 63 Resp: 29105
 Ion Ratio Lower Upper
 63 100
 65 33.3 21.3 39.6
 83 13.4 8.5 15.9



#21
 2-Butanone
 Concen: 4.539 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Tgt Ion: 43 Resp: 14715
 Ion Ratio Lower Upper
 43 100
 72 11.3 10.9 32.6





#22

cis-1,2-Dichloroethene

Concen: 2.482 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

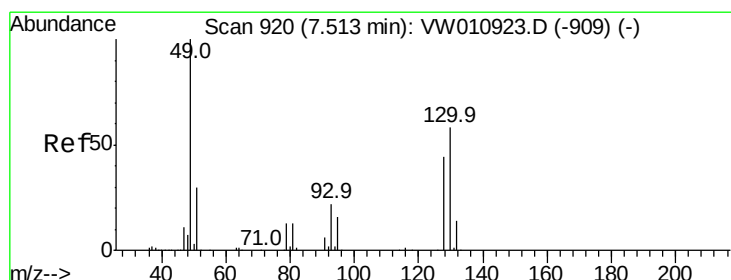
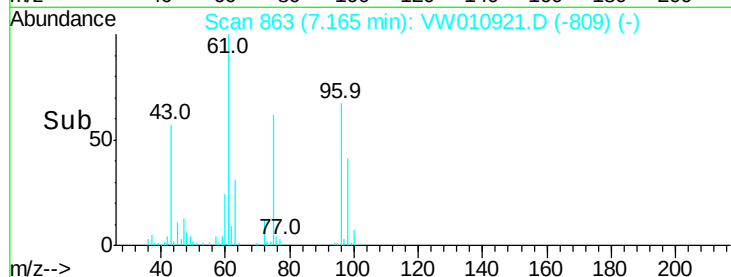
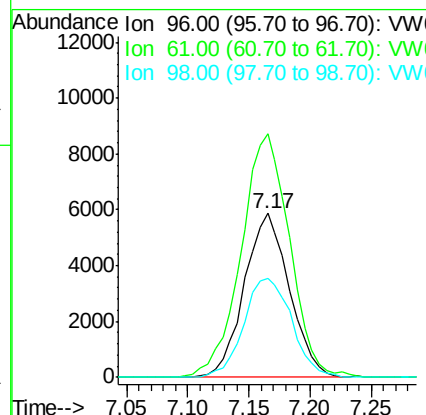
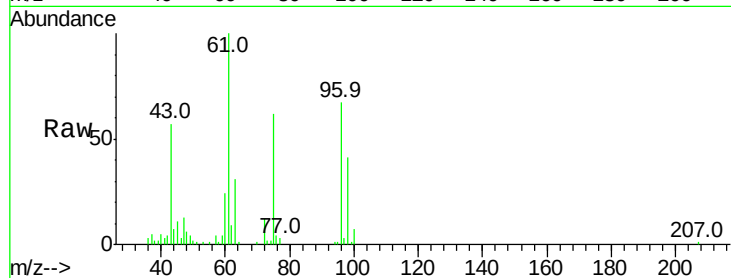
Tgt Ion: 96 Resp: 15010

Ion Ratio Lower Upper

96 100

61 148.6 106.5 197.7

98 60.7 45.5 84.5



#23

Bromochloromethane

Concen: 2.503 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Tgt Ion: 128 Resp: 6580

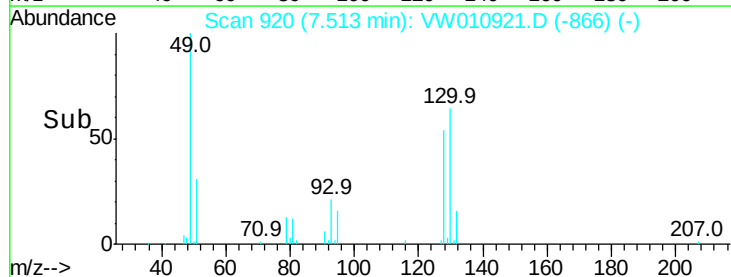
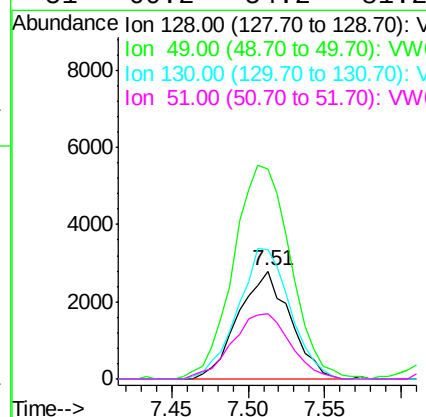
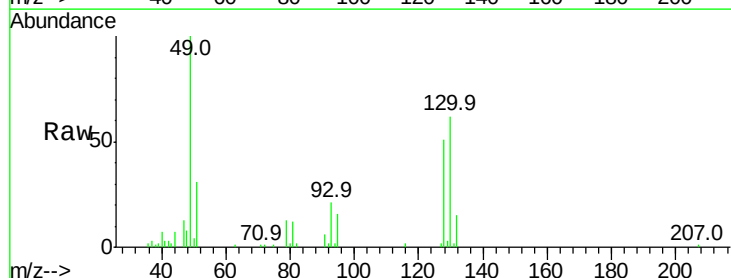
Ion Ratio Lower Upper

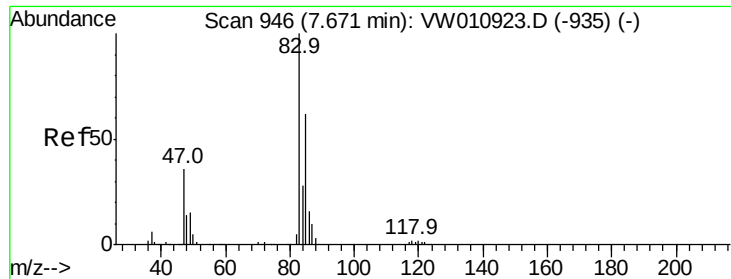
128 100

49 194.6 157.7 292.9

130 120.1 91.6 170.0

51 60.2 54.2 81.2





#25

Chloroform

Concen: 2.577 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampled :

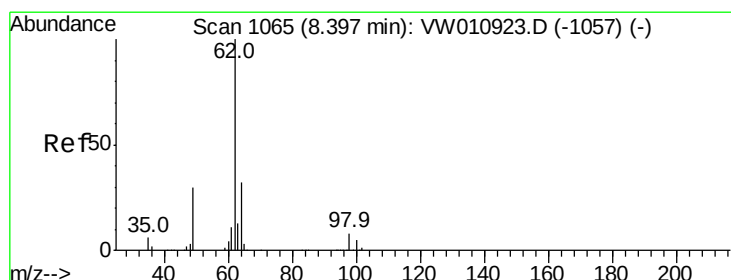
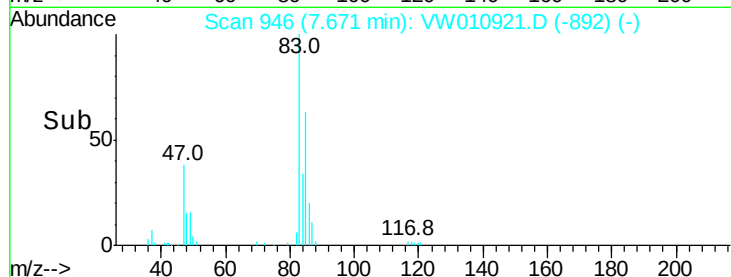
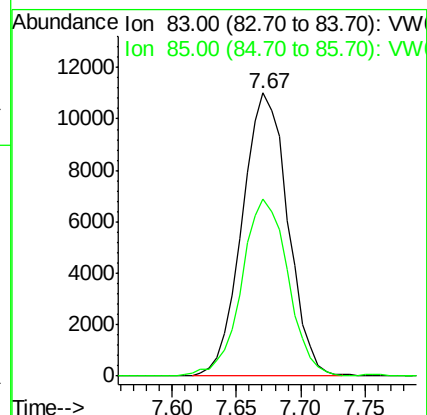
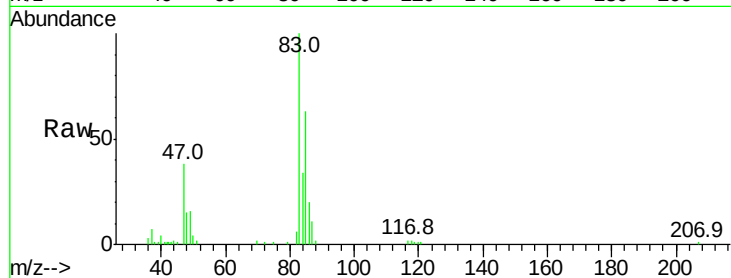
VSTD2.502

Tgt Ion: 83 Resp: 27122

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.433 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010921.D

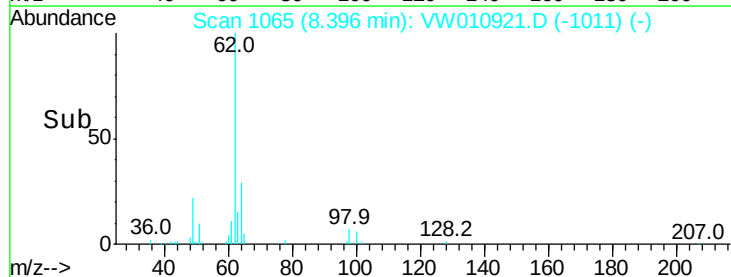
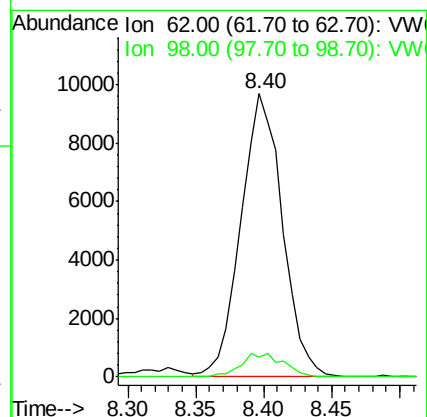
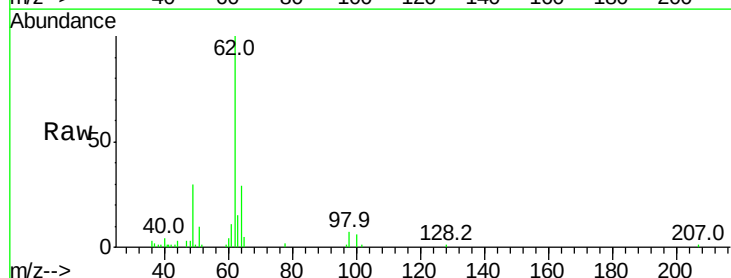
Acq: 24 Jun 2019 08:28

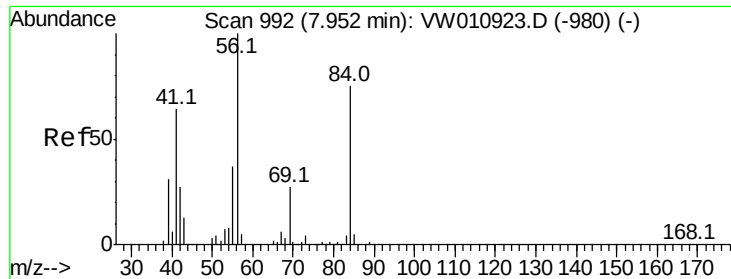
Tgt Ion: 62 Resp: 20684

Ion Ratio Lower Upper

62 100

98 7.0 6.7 10.1

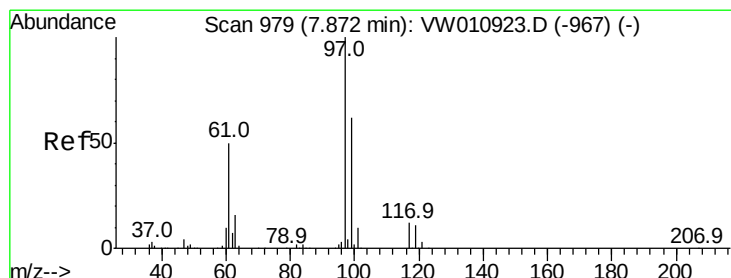
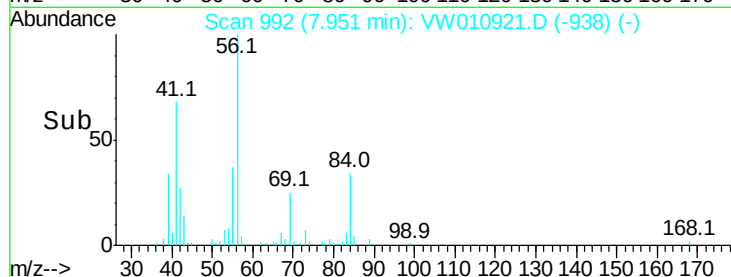
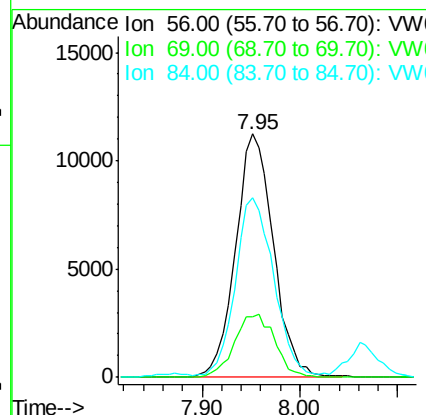
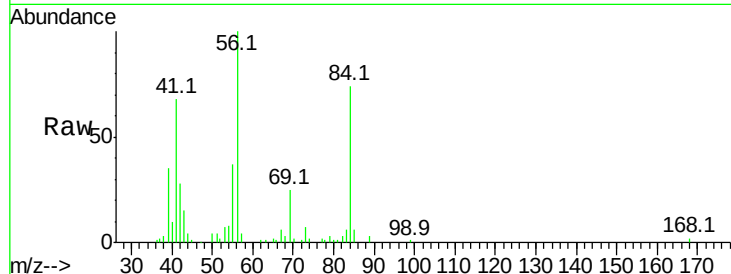




#30
Cyclohexane
Concen: 2.890 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

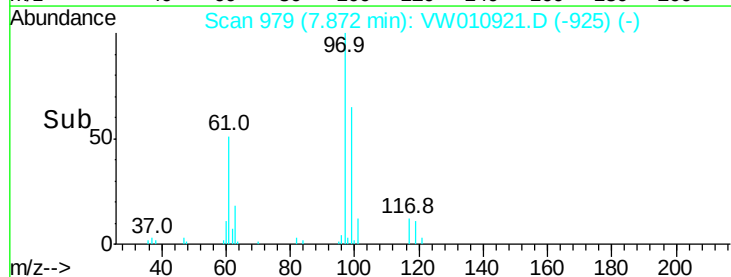
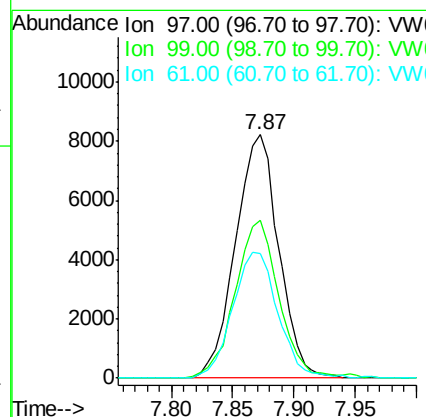
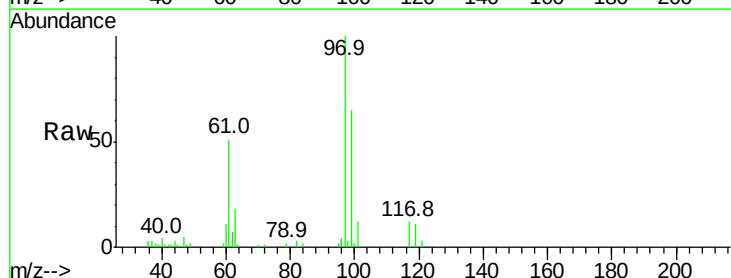
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

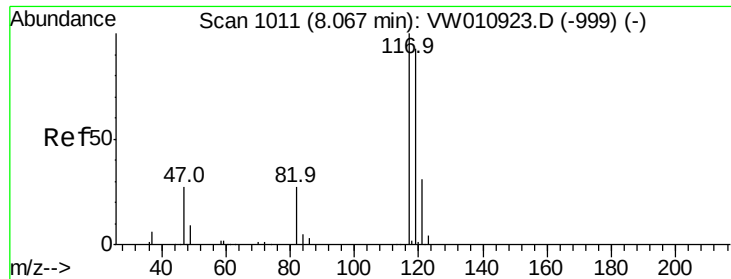
Tgt Ion: 56 Resp: 30135
Ion Ratio Lower Upper
56 100
69 27.6 22.2 33.4
84 75.4 60.3 90.5



#31
1,1,1-Trichloroethane
Concen: 2.966 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

Tgt Ion: 97 Resp: 20211
Ion Ratio Lower Upper
97 100
99 64.6 50.7 76.1
61 54.0 41.2 61.8





#32

Carbon tetrachloride

Concen: 2.915 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

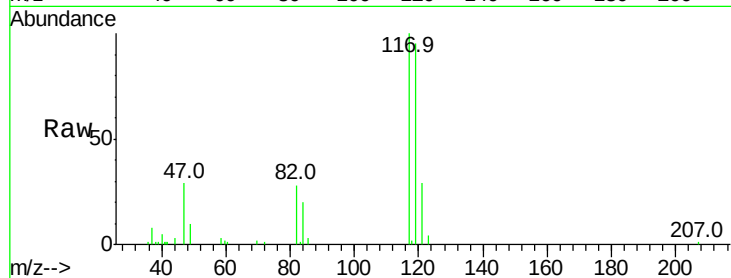
VSTD2.502

Tgt Ion:117 Resp: 18351

Ion Ratio Lower Upper

117 100

119 96.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

8000

6000

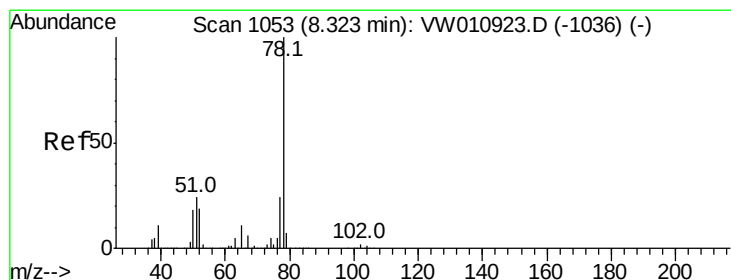
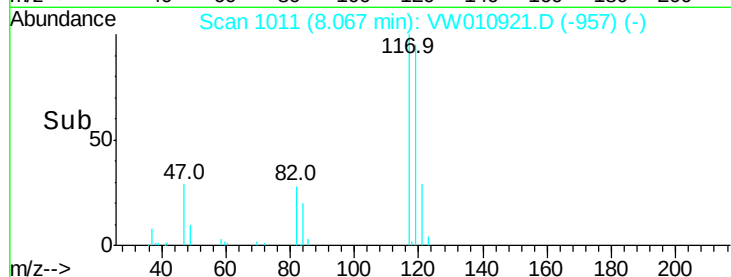
4000

2000

0

8.00 8.05 8.10 8.15

Time-->



#34

Benzene

Concen: 2.743 ug/L

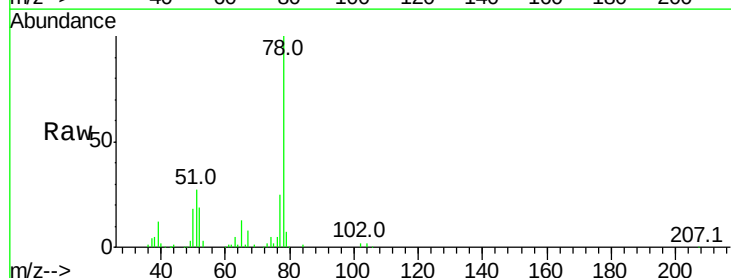
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Tgt Ion: 78 Resp: 61424



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

30000

25000

20000

15000

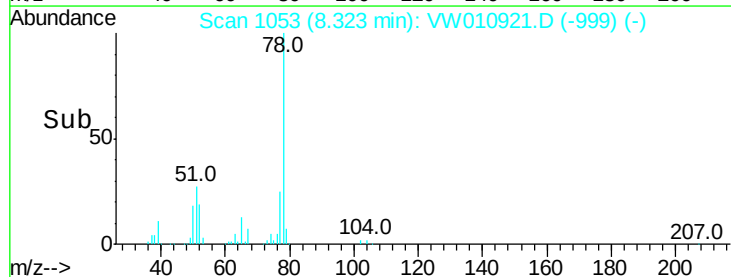
10000

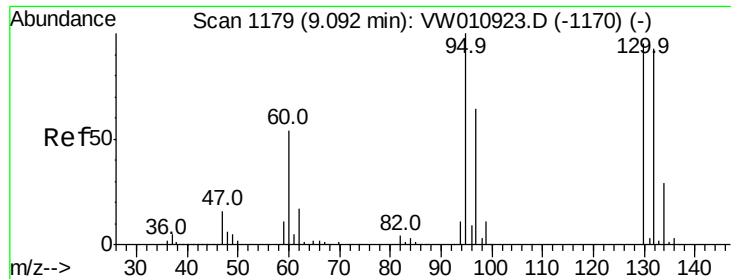
5000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 2.788 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

Tgt Ion: 95 Resp: 15464

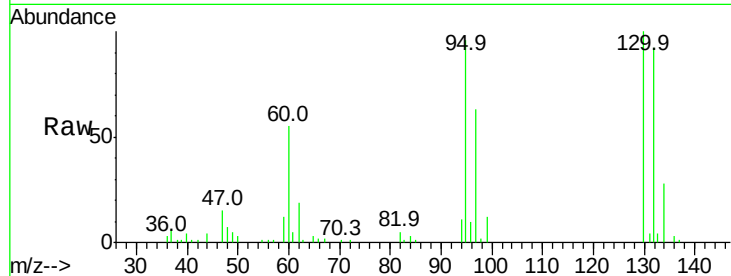
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.3

132 91.8 64.0 119.0

130 98.3 67.4 125.2

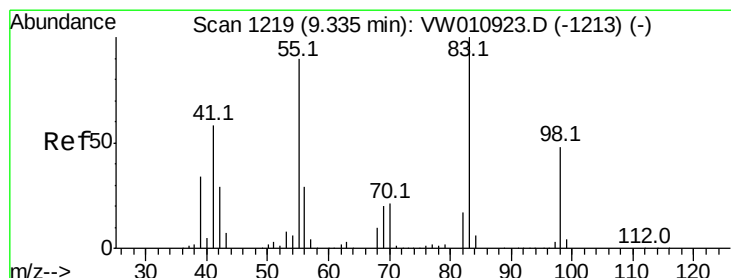
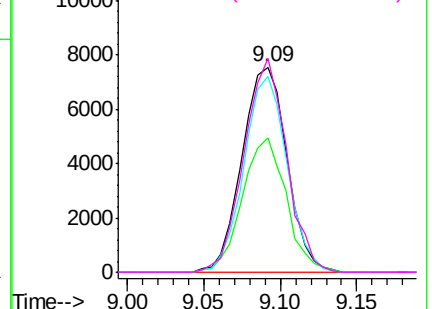
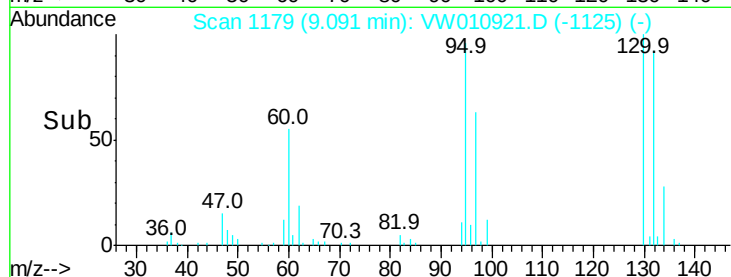


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.844 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

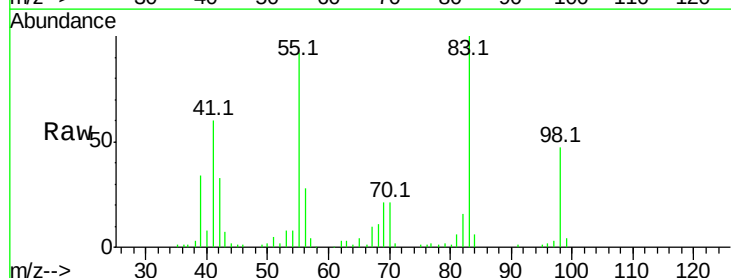
Tgt Ion: 83 Resp: 27610

Ion Ratio Lower Upper

83 100

55 92.1 72.2 108.2

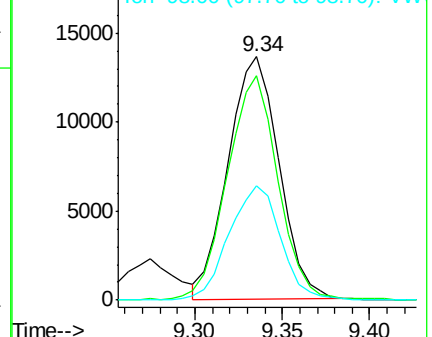
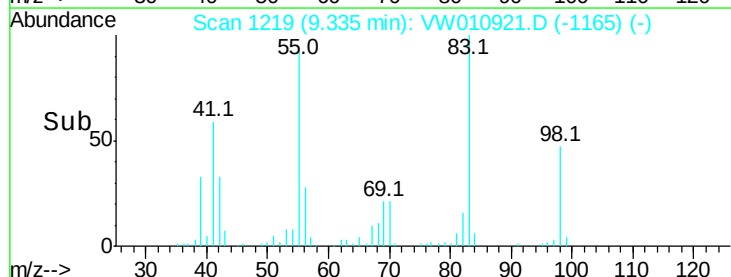
98 47.8 37.8 56.8

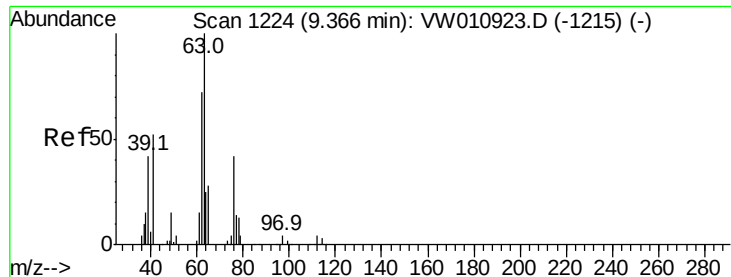


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

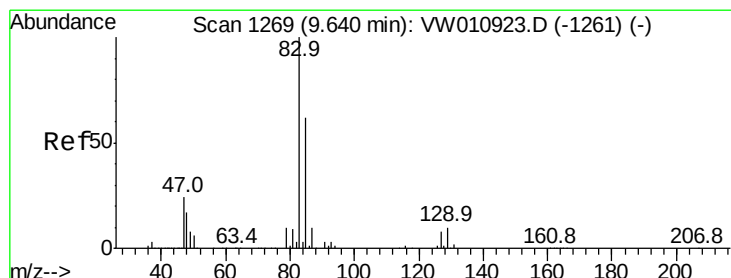
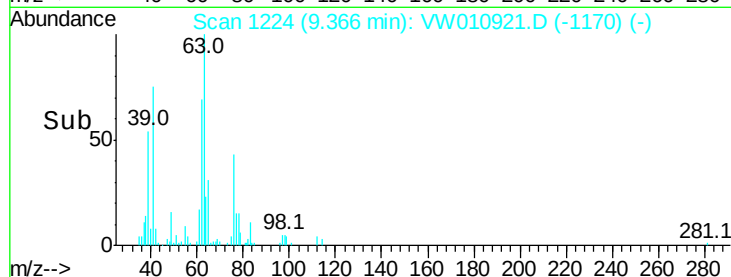
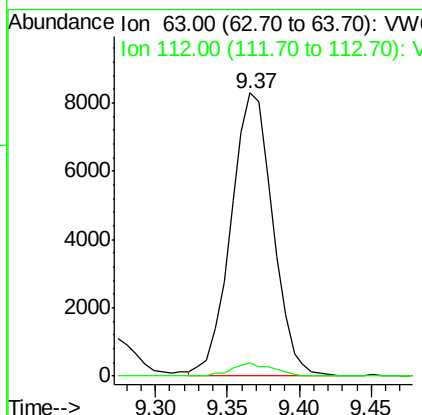
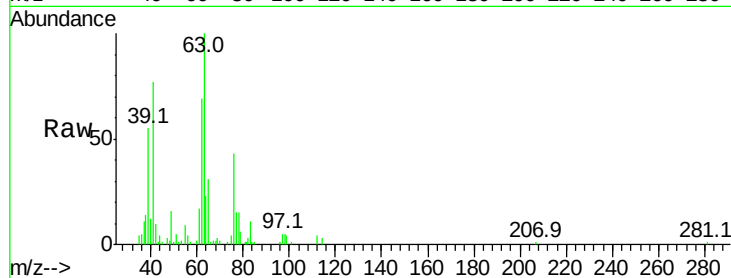




#40
 1,2-Dichloropropane
 Concen: 2.683 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

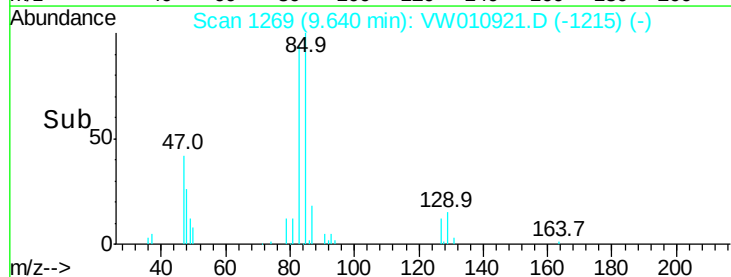
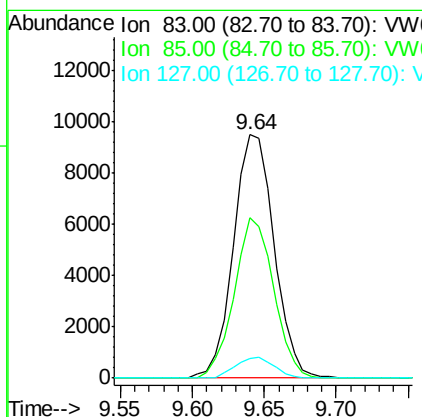
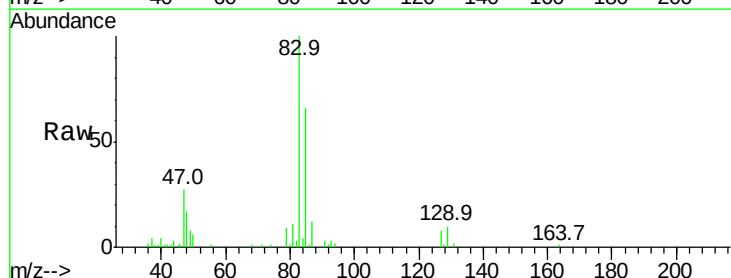
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

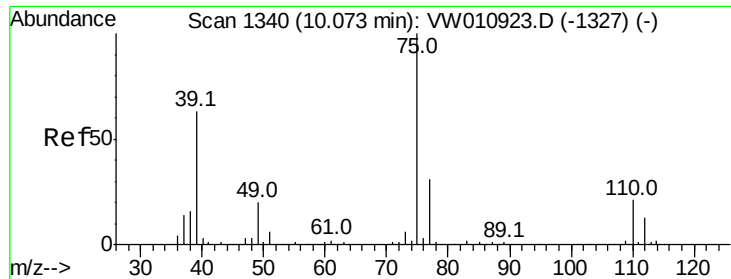
Tgt Ion: 63 Resp: 16800
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.3 4.9



#41
 Bromodichloromethane
 Concen: 2.587 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Tgt Ion: 83 Resp: 18639
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.1 80.1
 127 7.9 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 2.551 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

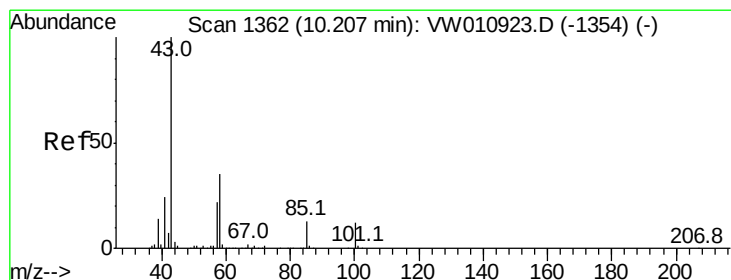
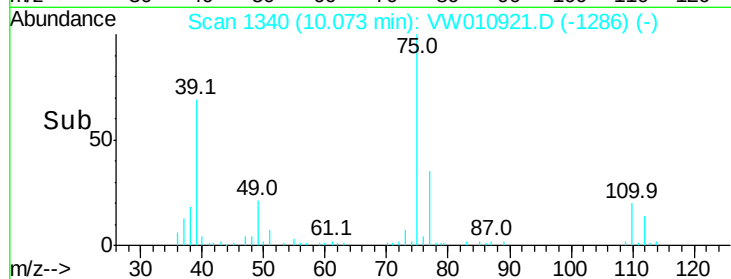
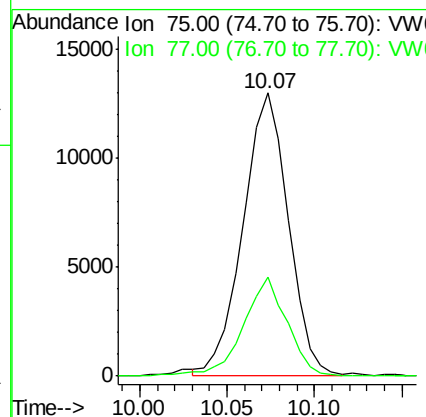
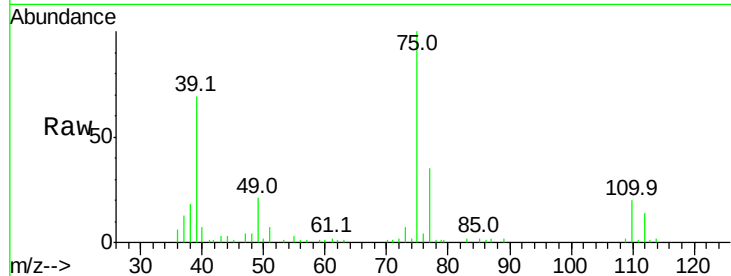
VSTD2.502

Tgt Ion: 75 Resp: 23456

Ion Ratio Lower Upper

75 100

77 35.2 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 4.781 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

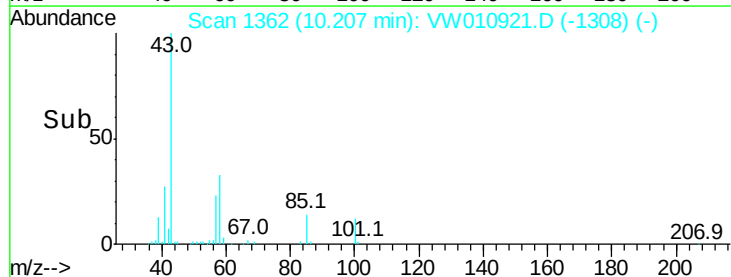
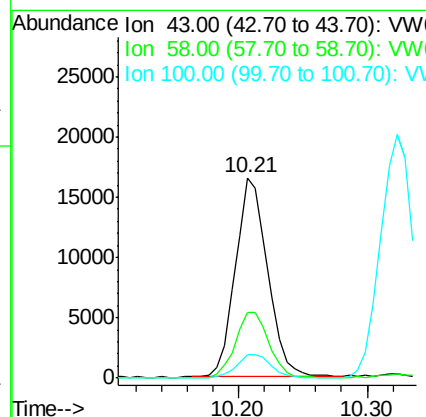
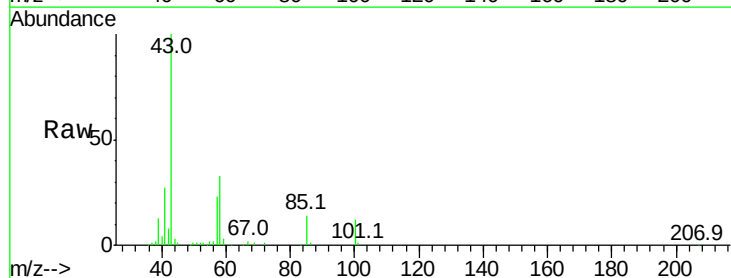
Tgt Ion: 43 Resp: 28870

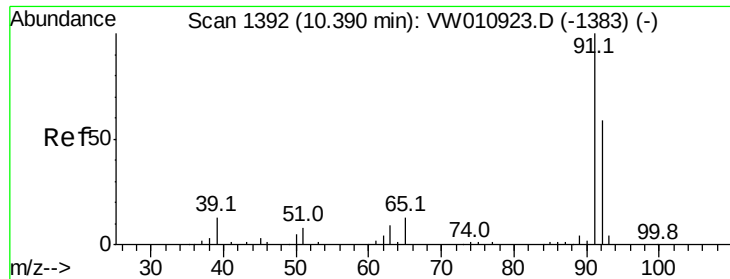
Ion Ratio Lower Upper

43 100

58 34.6 27.5 41.3

100 12.7 9.6 14.4





#44

Toluene

Concen: 2.702 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

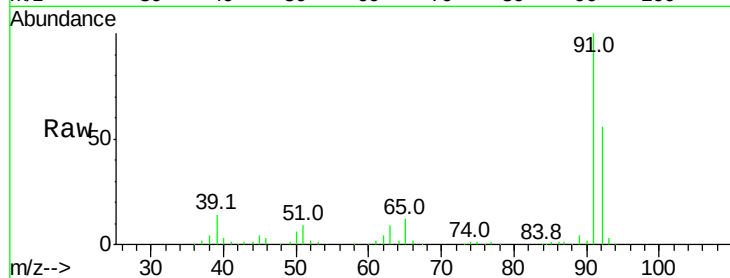
VSTD2.502

Tgt Ion: 91 Resp: 62813

Ion Ratio Lower Upper

91 100

92 56.0 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

40000

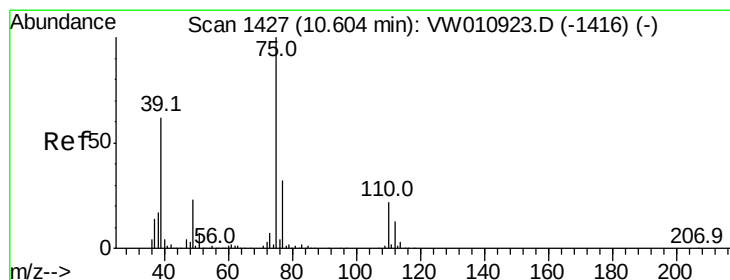
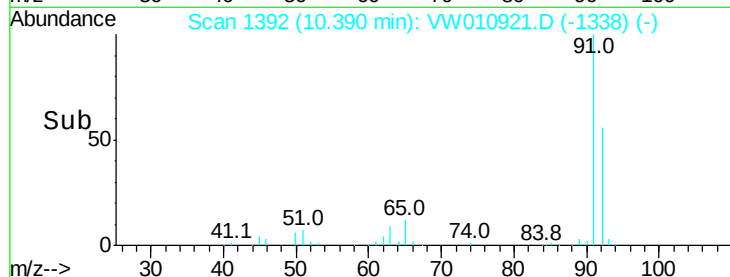
30000

20000

10000

0

Time--> 10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 2.462 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010921.D

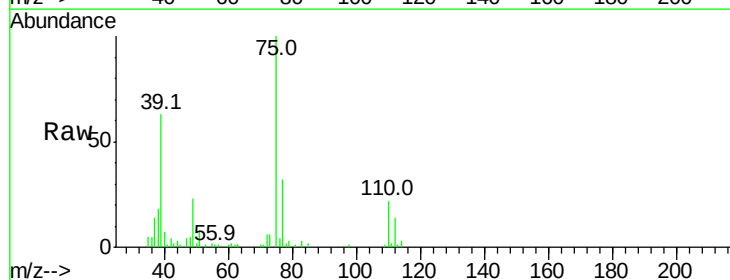
Acq: 24 Jun 2019 08:28

Tgt Ion: 75 Resp: 18989

Ion Ratio Lower Upper

75 100

77 32.3 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

12000

10000

8000

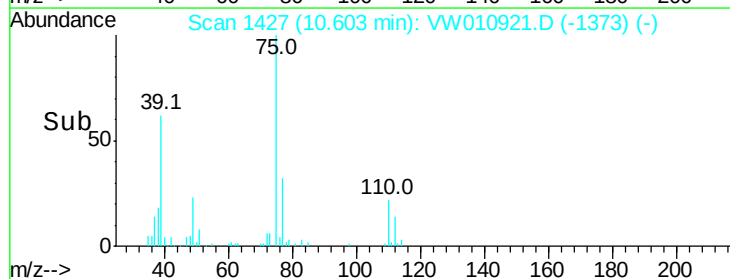
6000

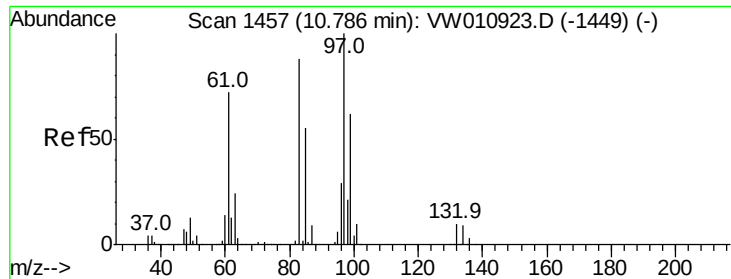
4000

2000

0

Time--> 10.50 10.55 10.60 10.65

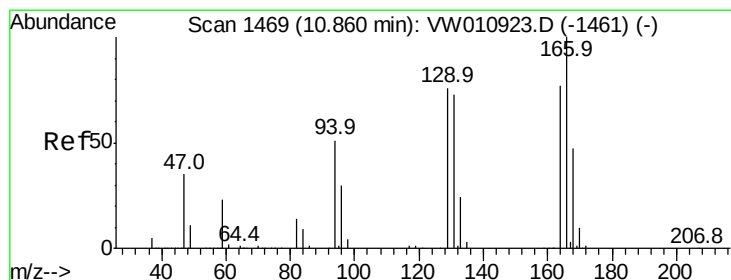
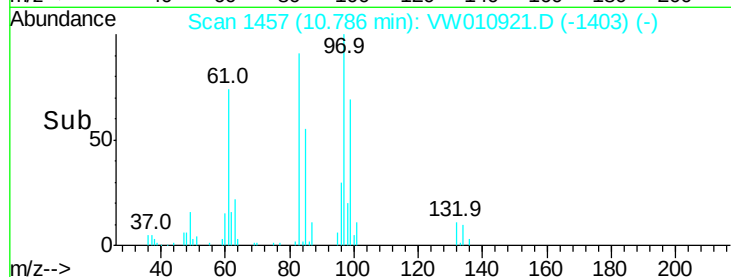
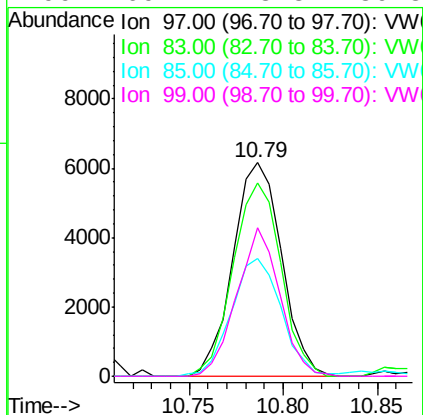
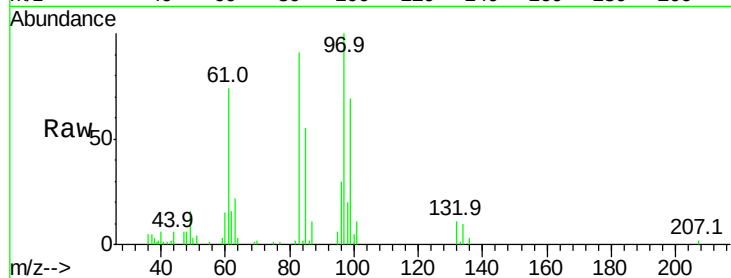




#46
1,1,2-Trichloroethane
Concen: 2.522 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

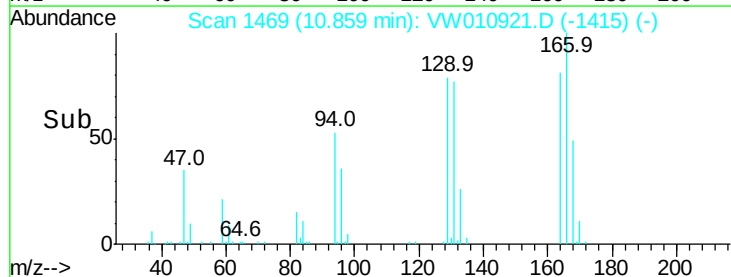
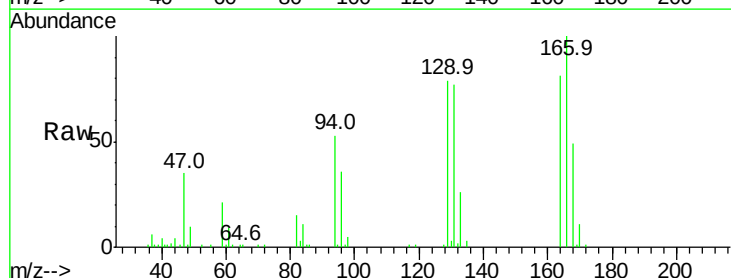
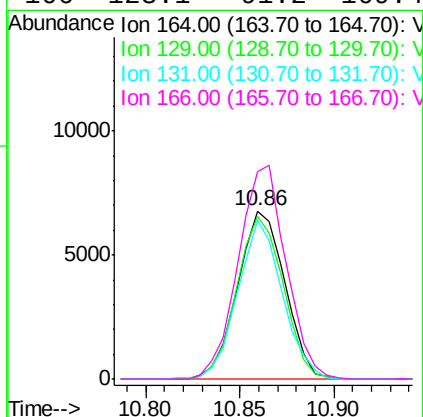
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

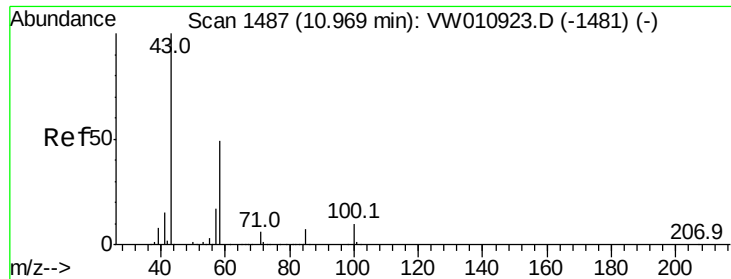
Tgt Ion: 97 Resp: 11050
Ion Ratio Lower Upper
97 100
83 90.7 61.8 114.8
85 55.3 38.6 71.6
99 69.4 43.3 80.3



#47
Tetrachloroethene
Concen: 2.892 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

Tgt Ion: 164 Resp: 11815
Ion Ratio Lower Upper
164 100
129 96.9 69.6 129.2
131 94.8 66.8 124.0
166 123.1 91.2 169.4





#49

2-Hexanone

Concen: 4.629 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

Tgt Ion: 43 Resp: 19677

Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.3	57.5
57	16.6	13.8	20.8
100	9.7	7.3	10.9

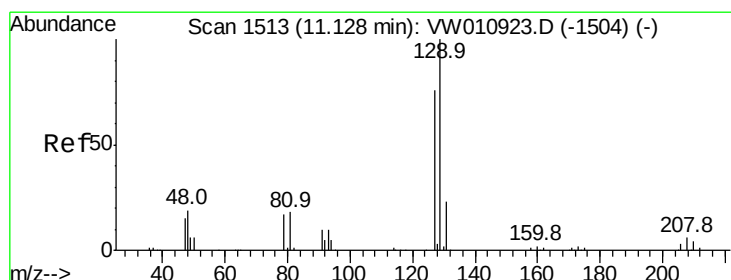
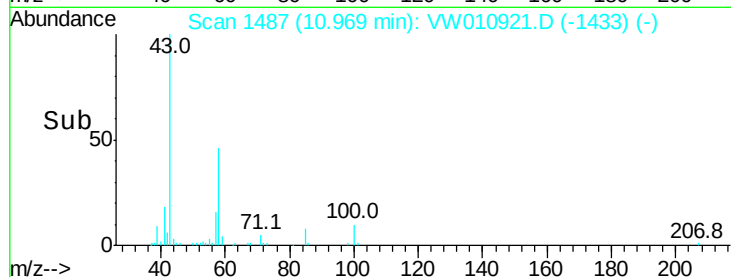
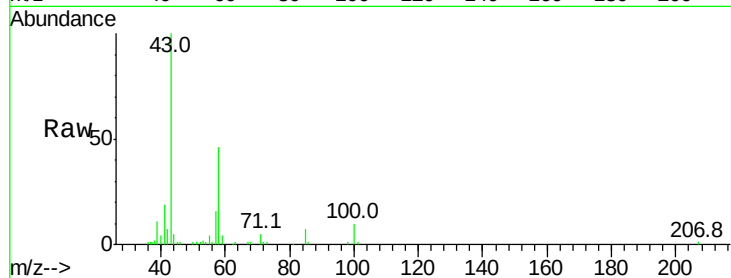
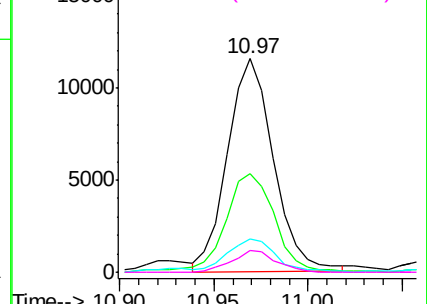
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 2.448 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

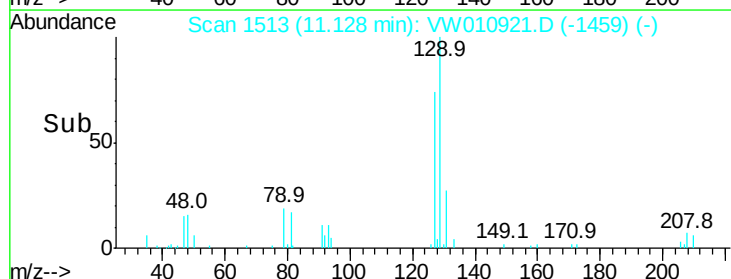
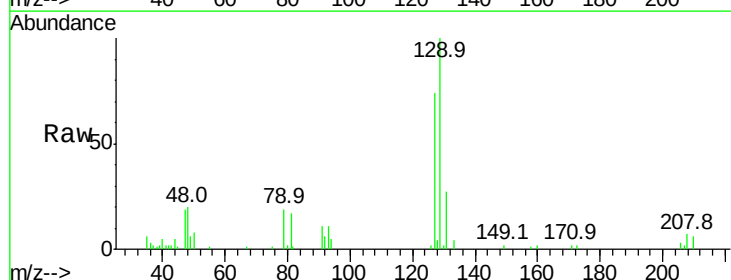
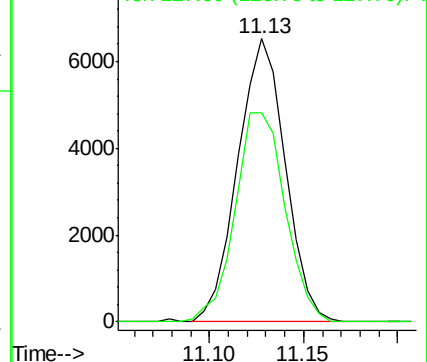
Tgt Ion: 129 Resp: 11419

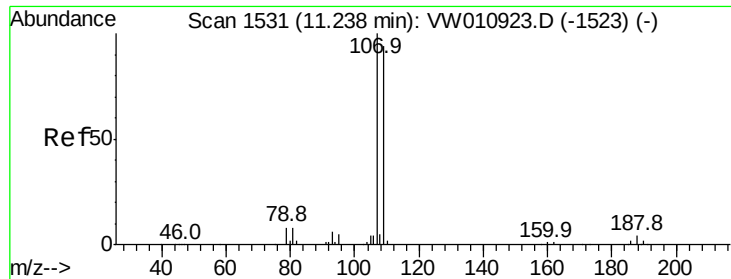
Ion	Ratio	Lower	Upper
129	100		
127	73.9	52.8	98.2

Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

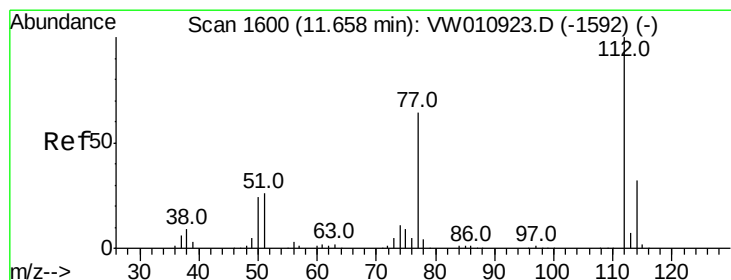
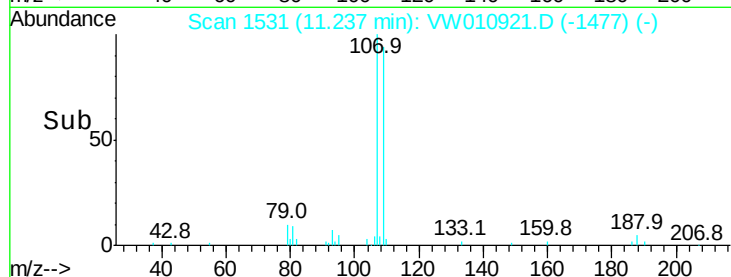
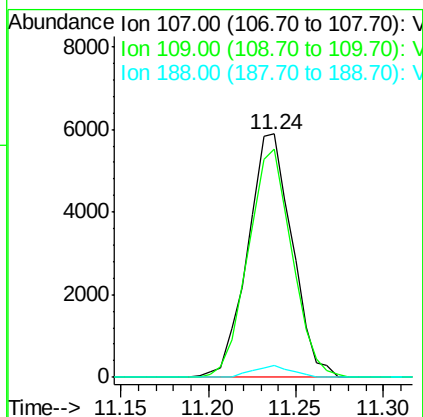
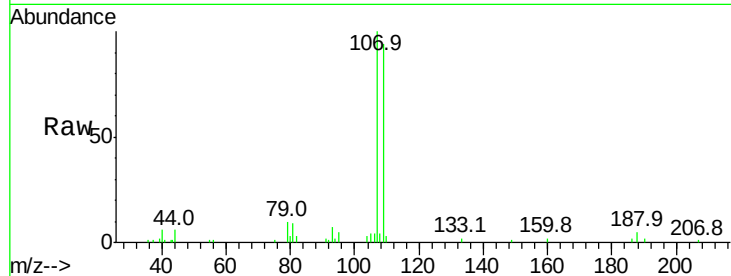




#51
 1,2-Dibromoethane
 Concen: 2.409 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

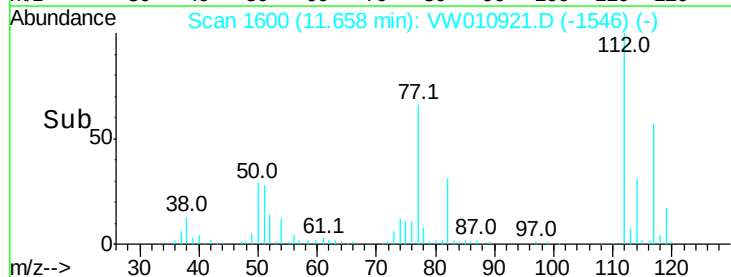
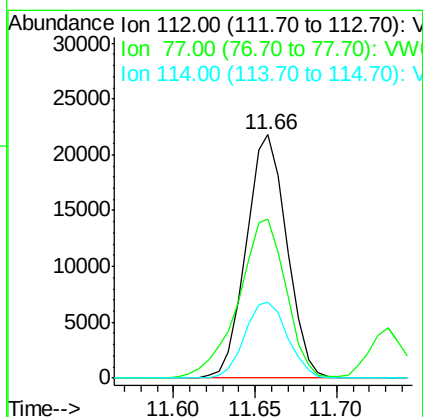
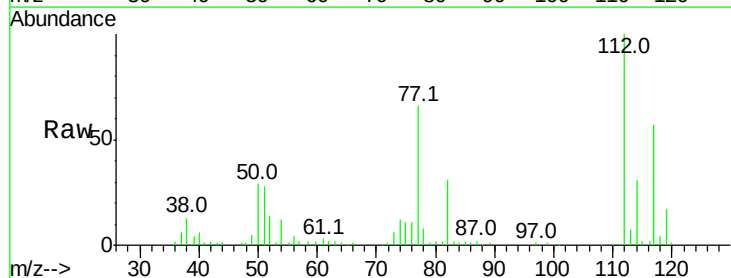
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

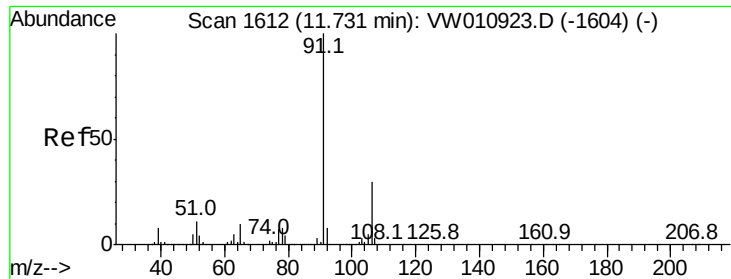
Tgt Ion:107 Resp: 10395
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.5 121.7
 188 4.8 3.3 4.9



#52
 Chlorobenzene
 Concen: 2.626 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Tgt Ion:112 Resp: 37644
 Ion Ratio Lower Upper
 112 100
 77 65.6 51.1 76.7
 114 31.4 22.7 42.1





#53

Ethylbenzene

Concen: 2.693 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

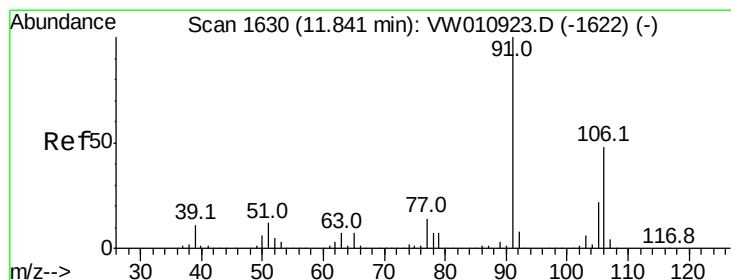
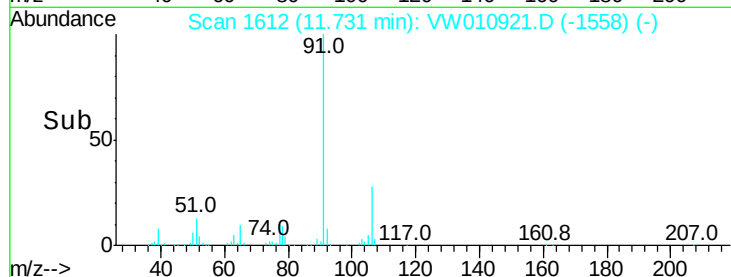
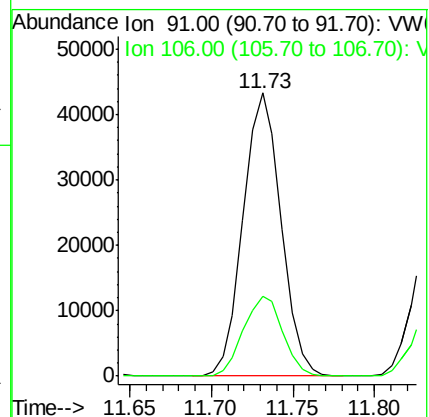
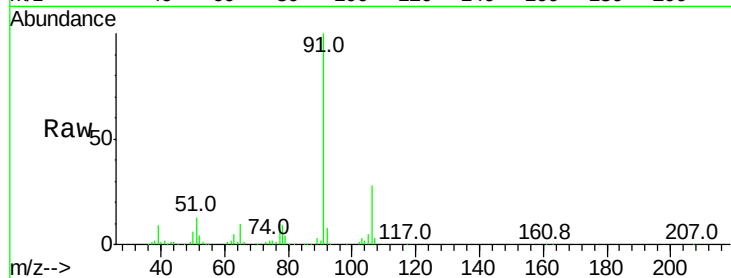
VSTD2.502

Tgt Ion: 91 Resp: 70153

Ion Ratio Lower Upper

91 100

106 28.3 20.9 38.7



#54

m,p-Xylene

Concen: 2.670 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010921.D

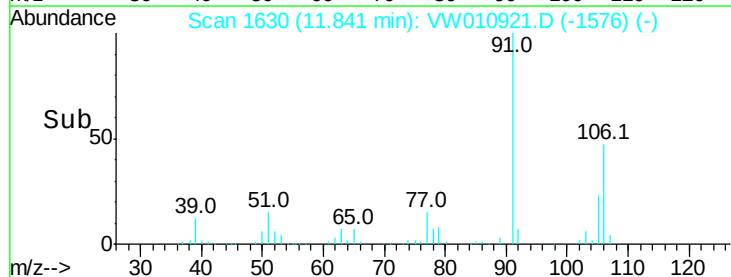
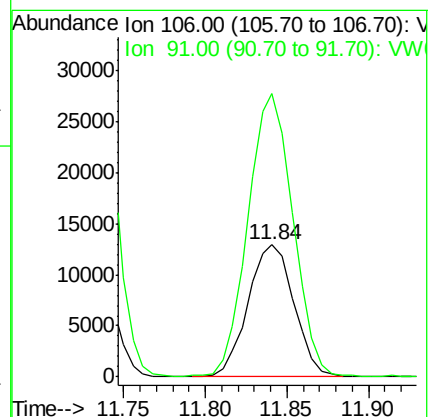
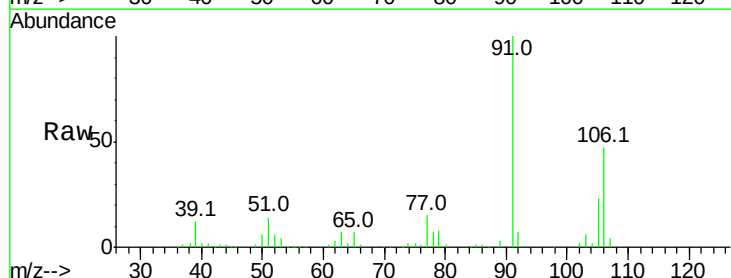
Acq: 24 Jun 2019 08:28

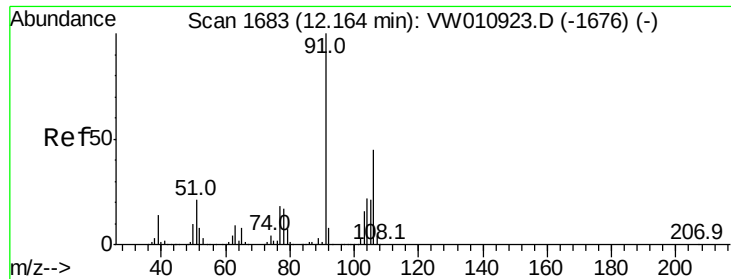
Tgt Ion: 106 Resp: 25314

Ion Ratio Lower Upper

106 100

91 214.5 146.5 272.1

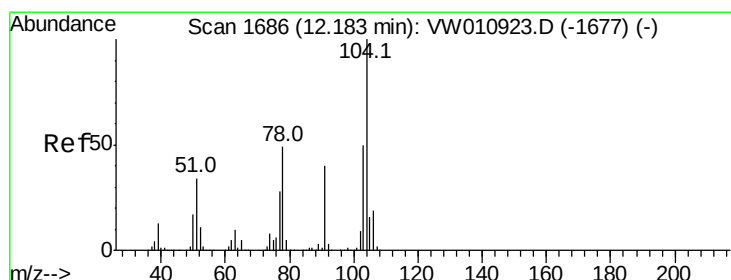
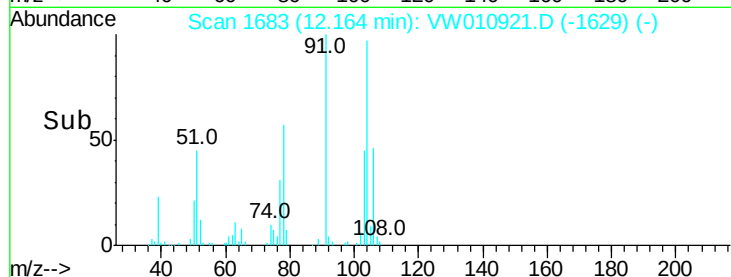
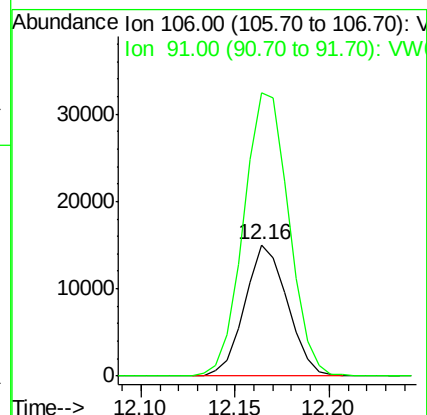
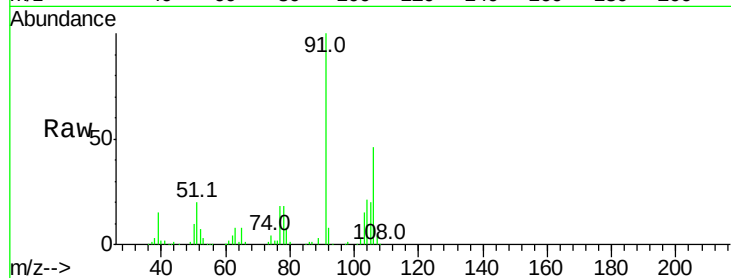




#55
o-xylene
Concen: 2.545 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

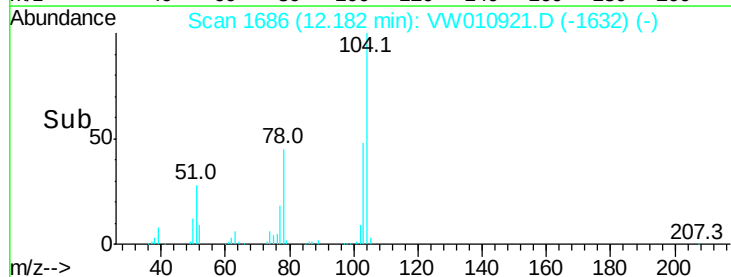
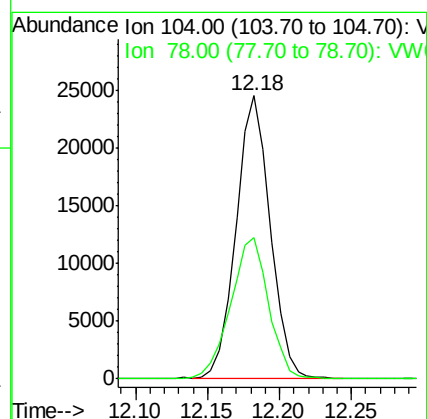
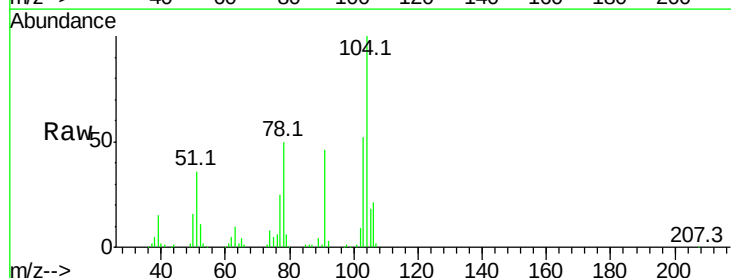
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

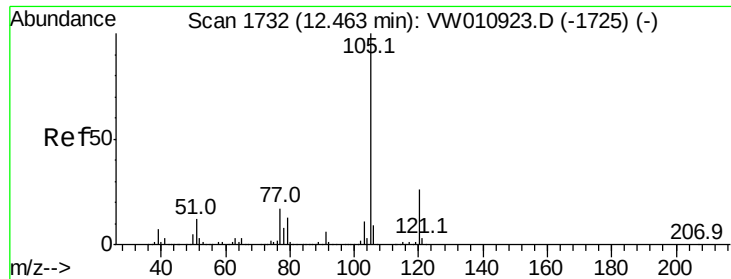
Tgt Ion:106 Resp: 23710
Ion Ratio Lower Upper
106 100
91 215.7 156.1 289.9



#56
Styrene
Concen: 2.531 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010921.D
Acq: 24 Jun 2019 08:28

Tgt Ion:104 Resp: 40491
Ion Ratio Lower Upper
104 100
78 49.8 34.4 64.0





#57

Isopropylbenzene

Concen: 2.649 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampled :

VSTD2.502

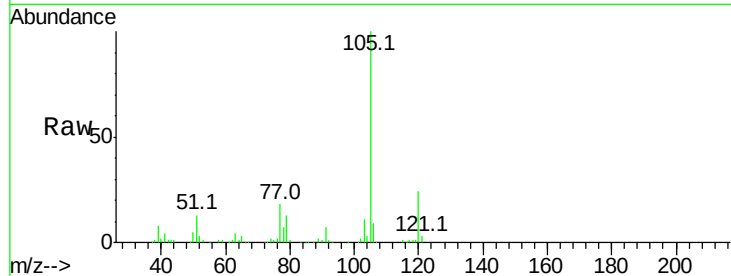
Tgt Ion:105 Resp: 64563

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

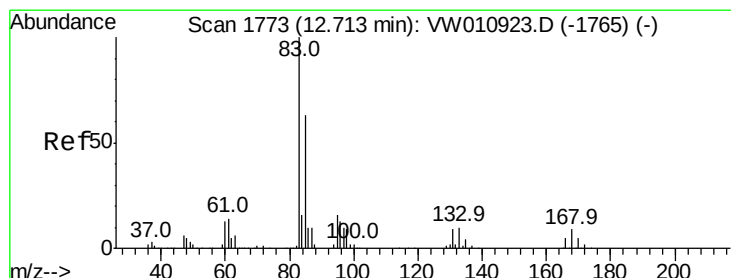
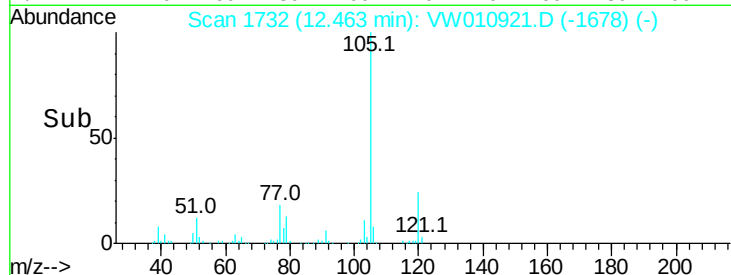
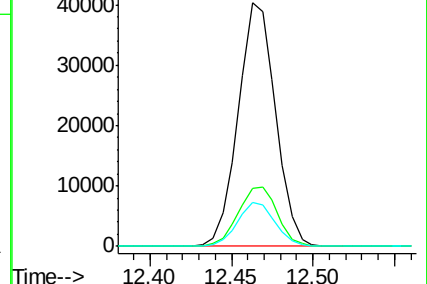
77 18.0 13.7 20.5



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: 2.368 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

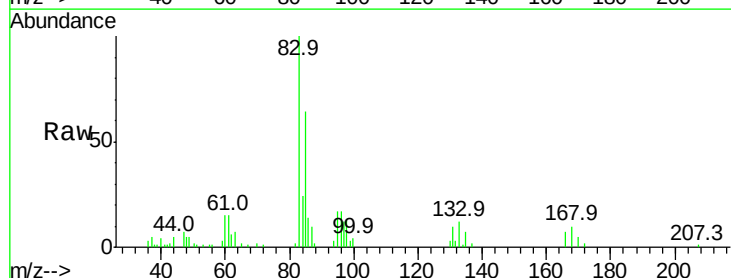
Tgt Ion: 83 Resp: 13762

Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.6

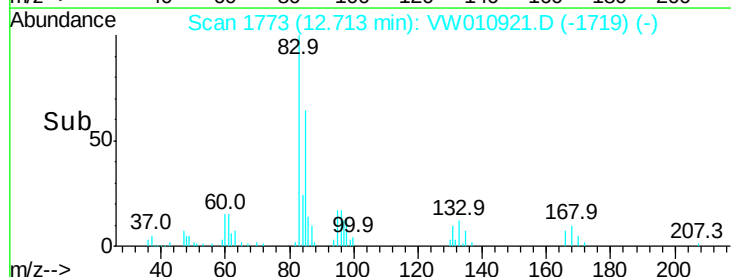
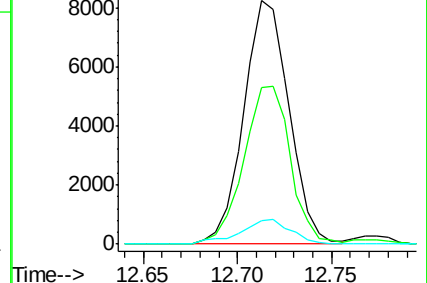
131 9.7 7.4 11.0

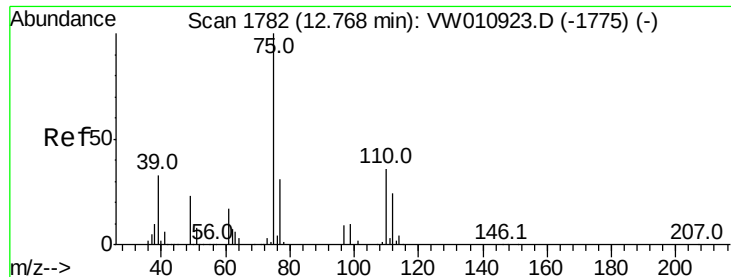


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.353 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

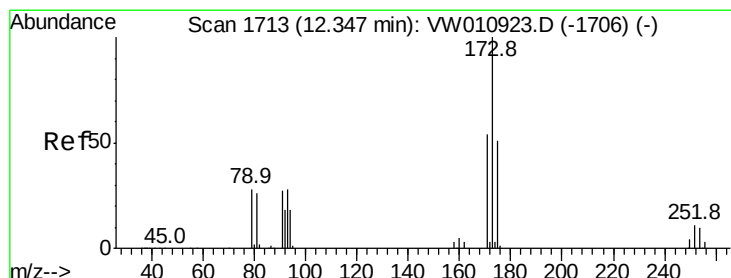
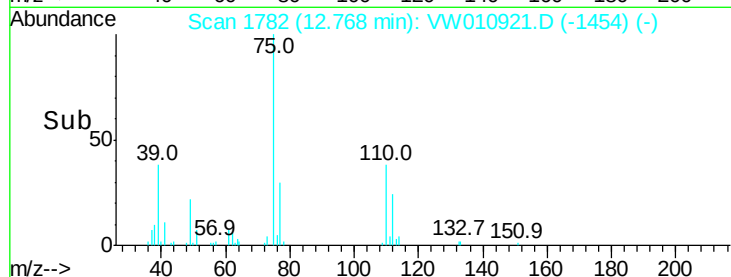
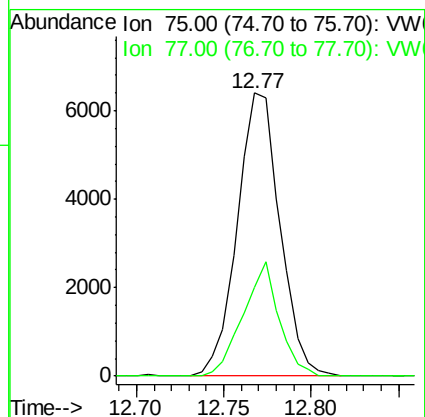
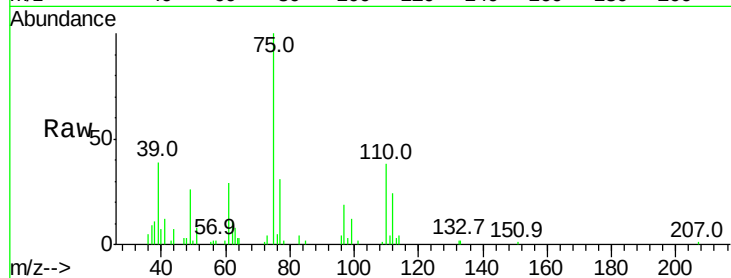
VSTD2.502

Tgt Ion: 75 Resp: 10860

Ion Ratio Lower Upper

75 100

77 34.0 25.2 37.8



#62

Bromoform

Concen: 2.401 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

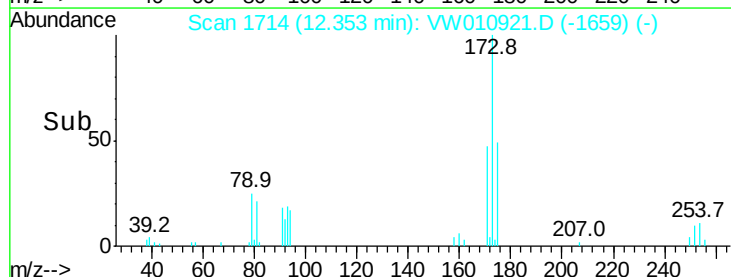
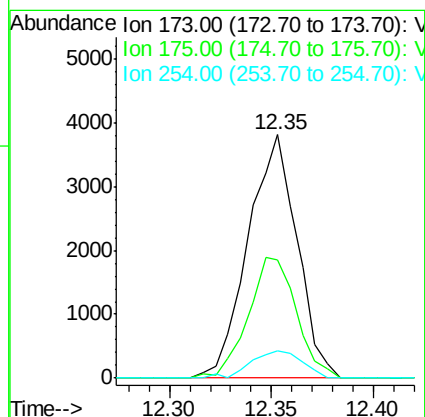
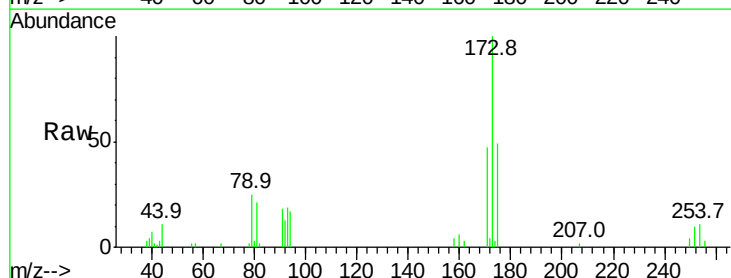
Tgt Ion: 173 Resp: 6358

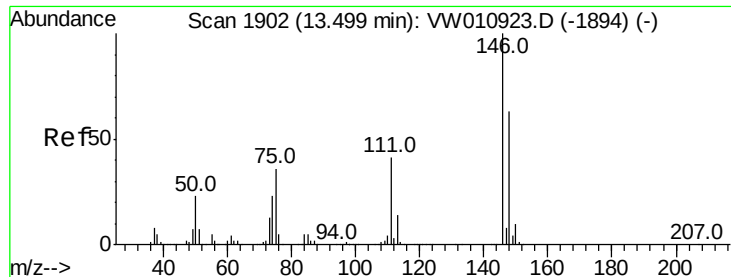
Ion Ratio Lower Upper

173 100

175 48.8 40.1 60.1

254 11.2 8.5 12.7

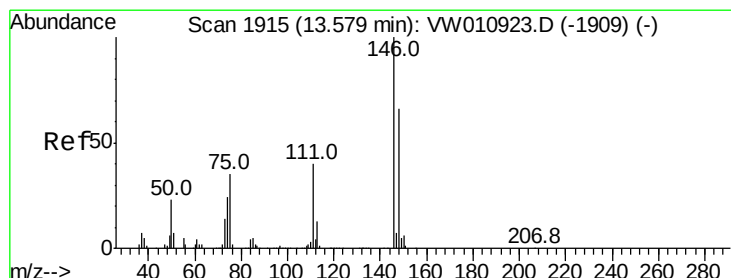
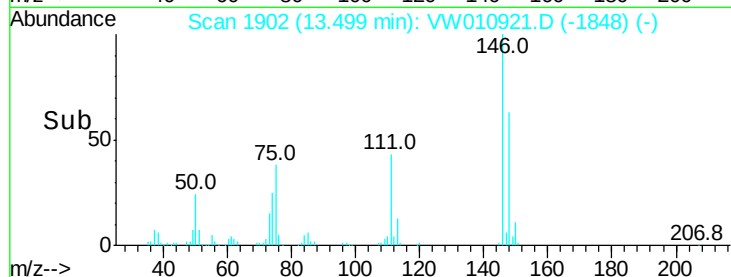
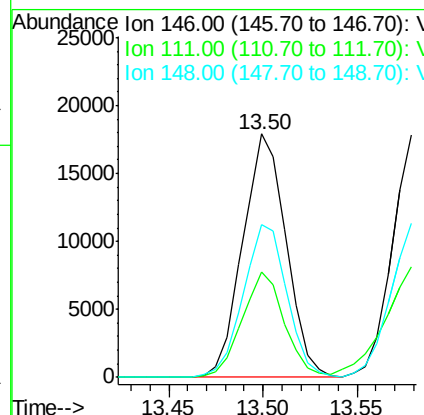
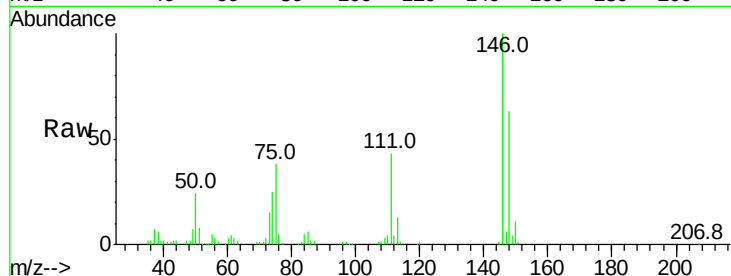




#63
 1,3-Dichlorobenzene
 Concen: 2.634 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

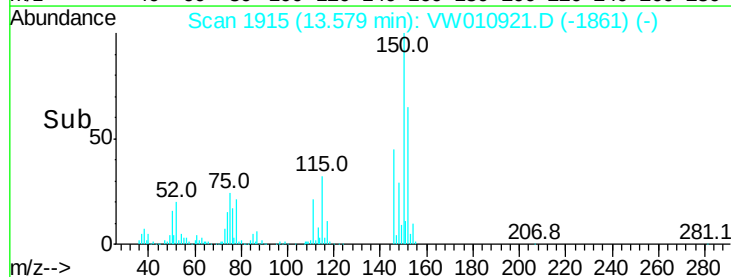
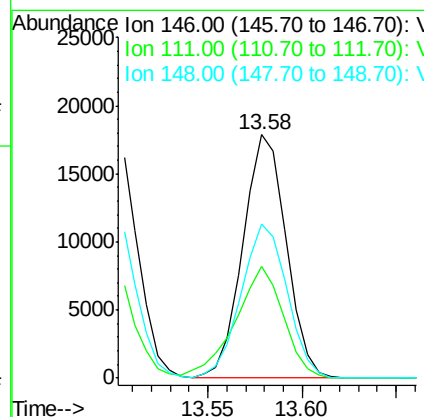
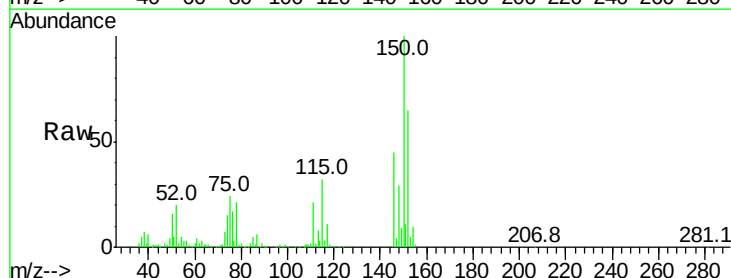
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

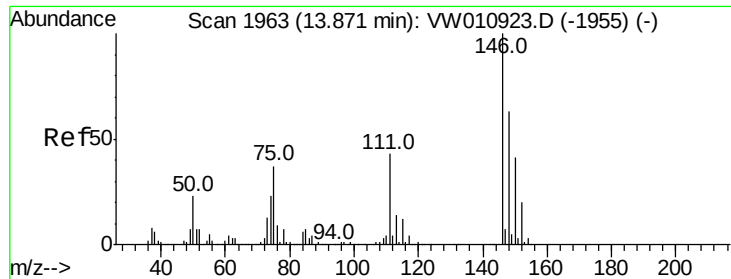
Tgt Ion:146 Resp: 28566
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.9 53.7
 148 62.7 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 2.584 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Tgt Ion:146 Resp: 28607
 Ion Ratio Lower Upper
 146 100
 111 45.7 27.9 51.9
 148 63.5 46.0 85.4

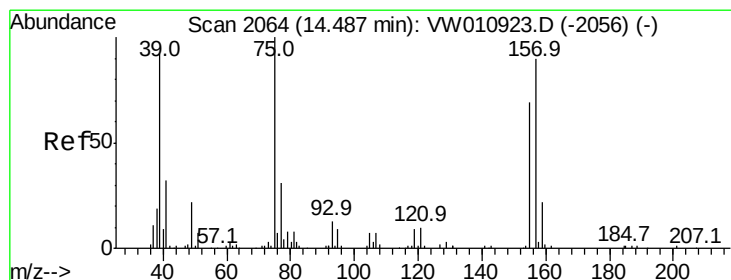
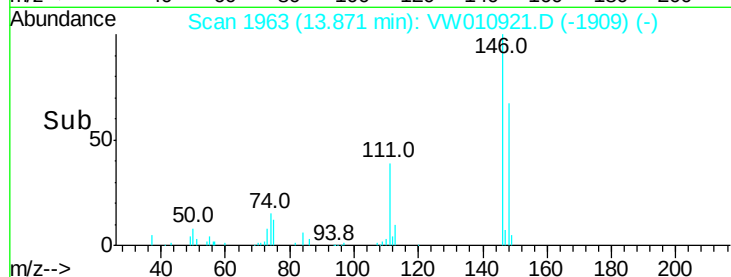
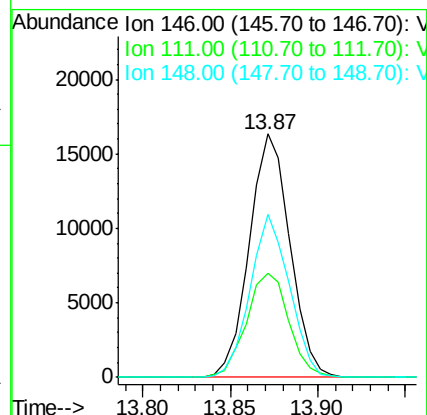
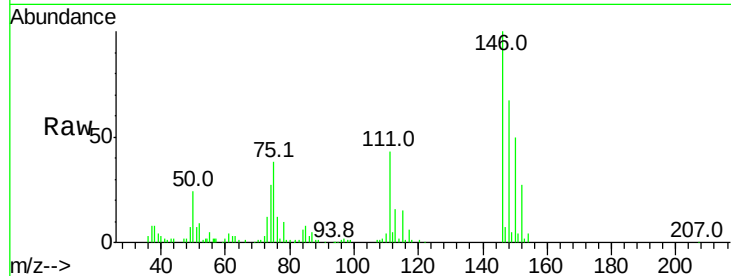




#65
 1,2-Dichlorobenzene
 Concen: 2.570 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

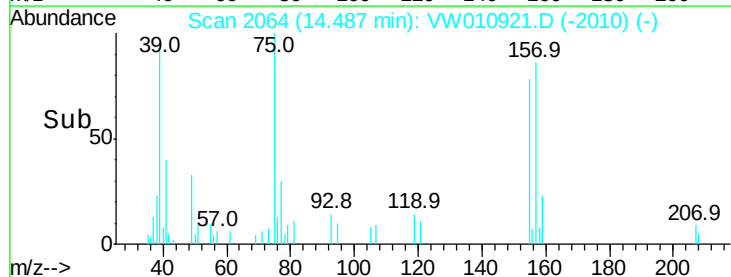
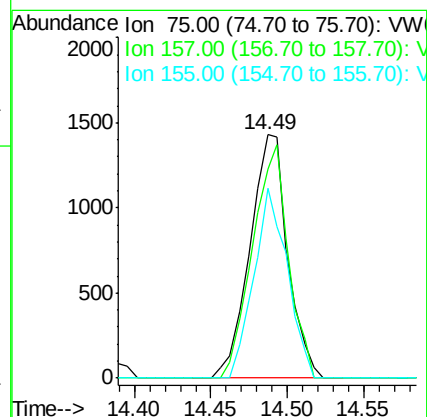
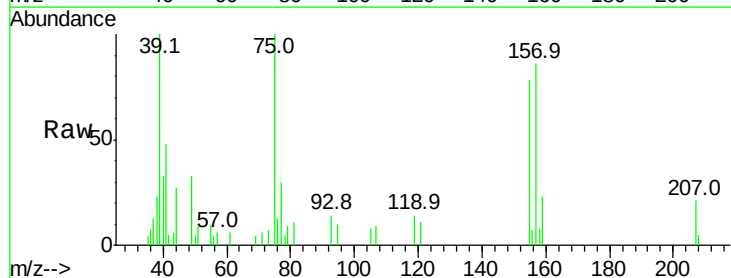
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

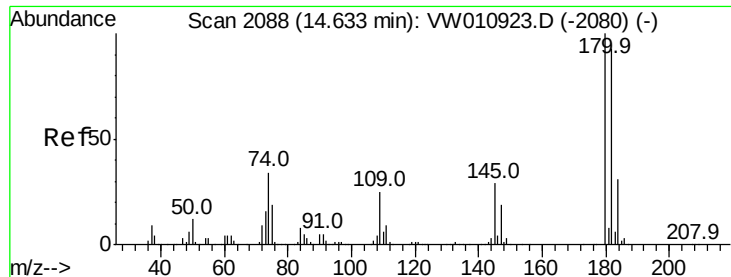
Tgt Ion:146 Resp: 26343
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.6 51.8
 148 66.8 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.329 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Tgt Ion: 75 Resp: 2447
 Ion Ratio Lower Upper
 75 100
 157 86.0 71.8 107.8
 155 78.1 55.2 82.8

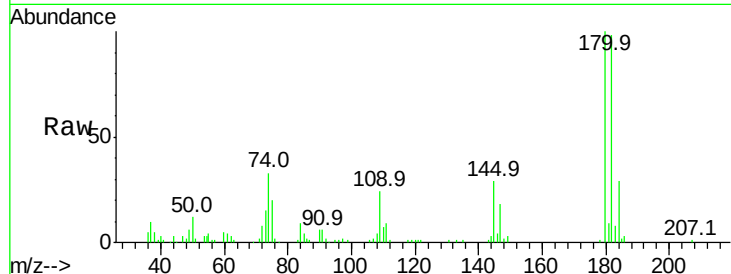




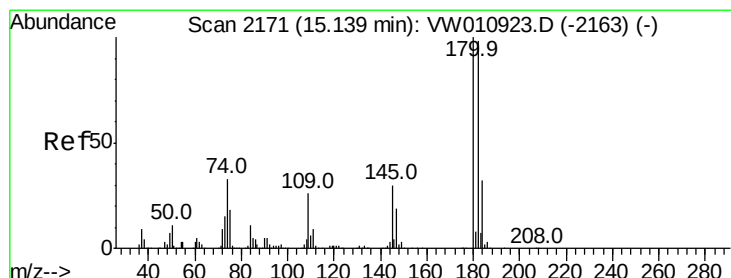
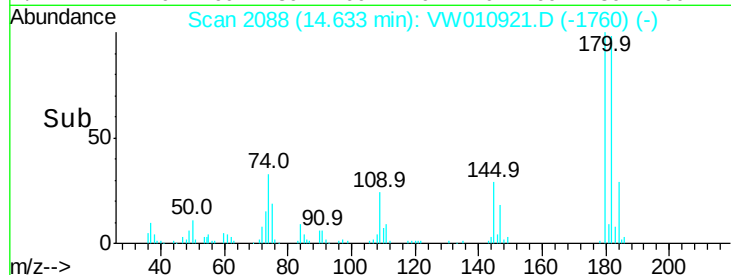
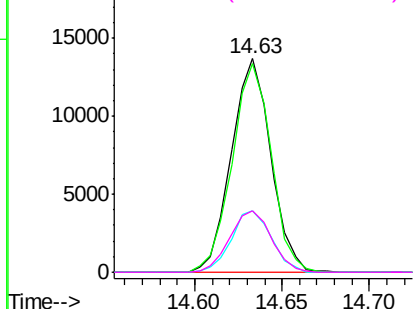
#67
 1,3,5-Trichlorobenzene
 Concen: 2.610 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Tgt Ion:180 Resp: 21428
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.2 114.2
 184 29.3 24.3 36.5
 145 30.5 24.2 36.2

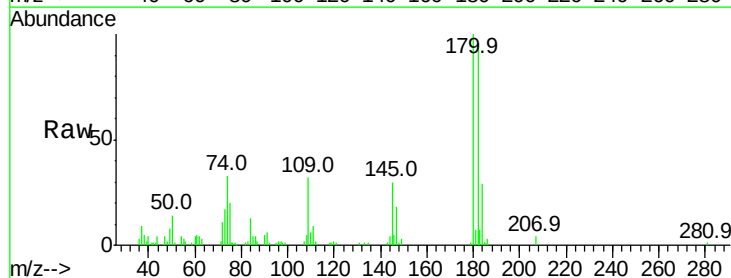


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

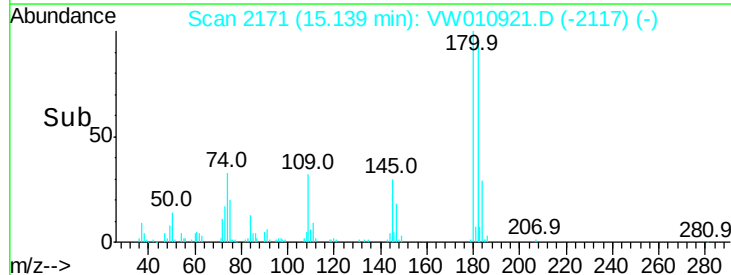
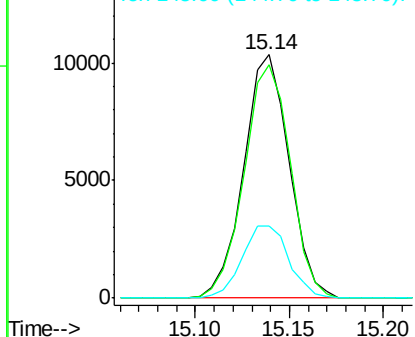


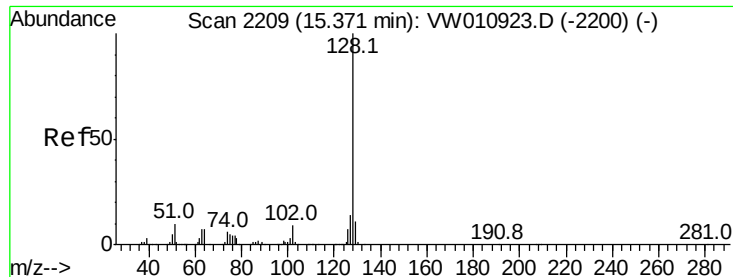
#68
 1,2,4-trichlorobenzene
 Concen: 2.427 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010921.D
 Acq: 24 Jun 2019 08:28

Tgt Ion:180 Resp: 17327
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.1 114.1
 145 30.6 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: 2.091 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

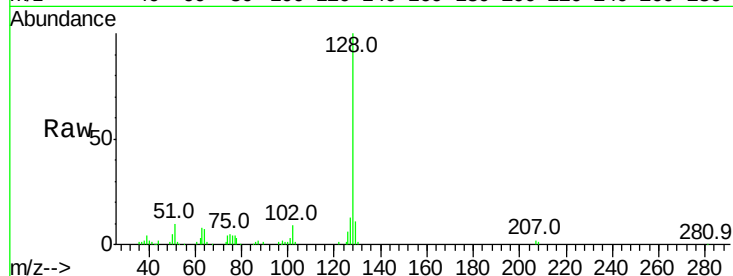
Tgt Ion:128 Resp: 33527

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

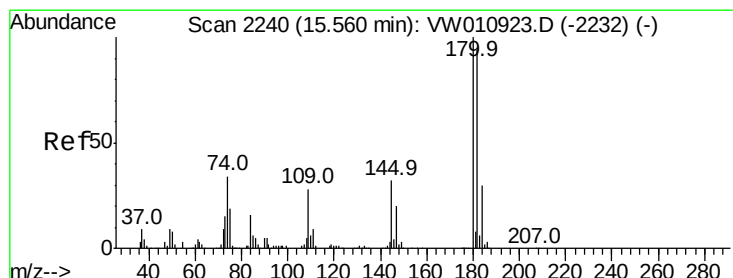
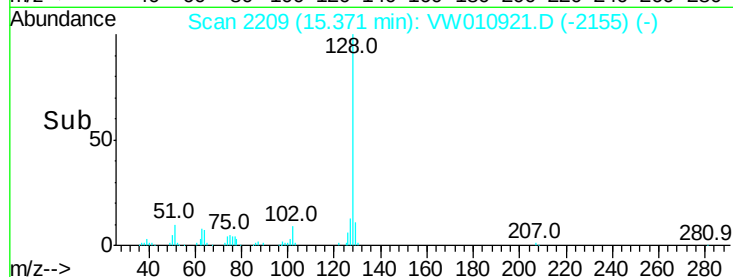
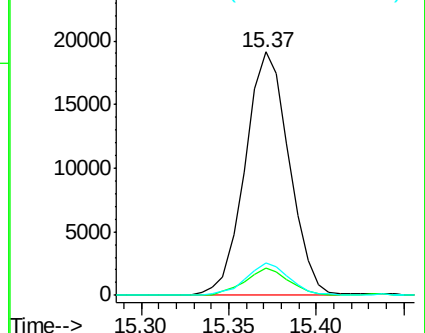
127 13.1 10.9 16.3



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: 2.383 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010921.D

Acq: 24 Jun 2019 08:28

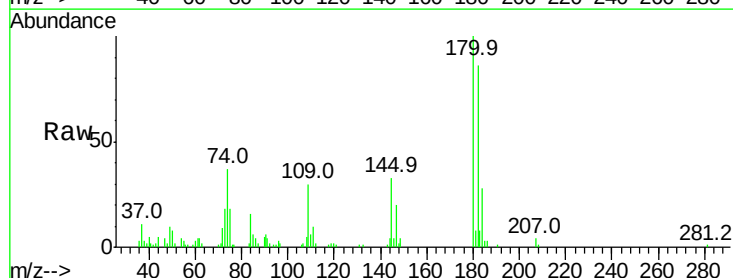
Tgt Ion:180 Resp: 15809

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 33.2 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

