

Data File : VW014870.D
Acq On : 05 Feb 2020 13:22
Operator : SY/VA
Sample : VSTD2.513
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Quant Time: Feb 05 14:44:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 14:42:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1002959	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	905085	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	404192	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	45794	2.92	ug/L	0.00
7) Chloroethane-d5	2.89	69	35463	2.36	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	81563	2.44	ug/L	0.00
20) 2-Butanone-d5	7.09	46	22090	3.74	ug/L	0.01
24) Chloroform-d	7.65	84	78140	2.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	42884	2.39	ug/L	0.00
29) Benzene-d6	8.27	84	159889	2.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	50928	2.44	ug/L	0.00
37) Toluene-d8	10.32	98	133321	2.39	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	17991	2.17	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	13571	3.32	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	37414	2.30	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	42883	2.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	26261	2.079 ug/L	89
3) Chloromethane	2.21	50	41774	2.413 ug/L	100
5) Vinyl chloride	2.36	62	55606	3.195 ug/L	99
6) Bromomethane	2.78	94	28205	2.769 ug/L	97
8) Chloroethane	2.93	64	29924	2.648 ug/L	100
9) Trichlorofluoromethane	3.26	101	21300	2.102 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	36965	2.380 ug/L	95
12) 1,1-Dichloroethene	4.04	96	36563	2.496 ug/L	81
13) Acetone	4.12	43	33332	5.220 ug/L	98
14) Carbon disulfide	4.38	76	113010	2.542 ug/L	98
15) Methyl Acetate	4.68	43	18836	1.971 ug/L #	85
16) Methylene chloride	4.92	84	66180	3.573 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	44881	2.414 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	37041	2.464 ug/L	98
19) 1,1-Dichloroethane	6.21	63	75804	2.484 ug/L	97
21) 2-Butanone	7.17	43	29268	4.271 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	39719	2.557 ug/L	100
23) Bromochloromethane	7.51	128	16483	2.481 ug/L	99
25) Chloroform	7.67	83	69835	2.506 ug/L	99
27) 1,2-Dichloroethane	8.40	62	48241	2.478 ug/L	100
30) Cyclohexane	7.96	56	63095	2.307 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	54160	2.550 ug/L	99
32) Carbon tetrachloride	8.07	117	47525	2.463 ug/L	99
34) Benzene	8.32	78	163573	2.581 ug/L	100
35) Trichloroethene	9.09	95	39970	2.554 ug/L	98
36) Methylcyclohexane	9.34	83	63319	2.310 ug/L	94
40) 1,2-Dichloropropane	9.37	63	43281	2.532 ug/L	100
41) Bromodichloromethane	9.64	83	47747	2.438 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	54304	2.282 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	47812	3.809 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Wed Feb 05 14:42:27 2020
Response via : Initial Calibration

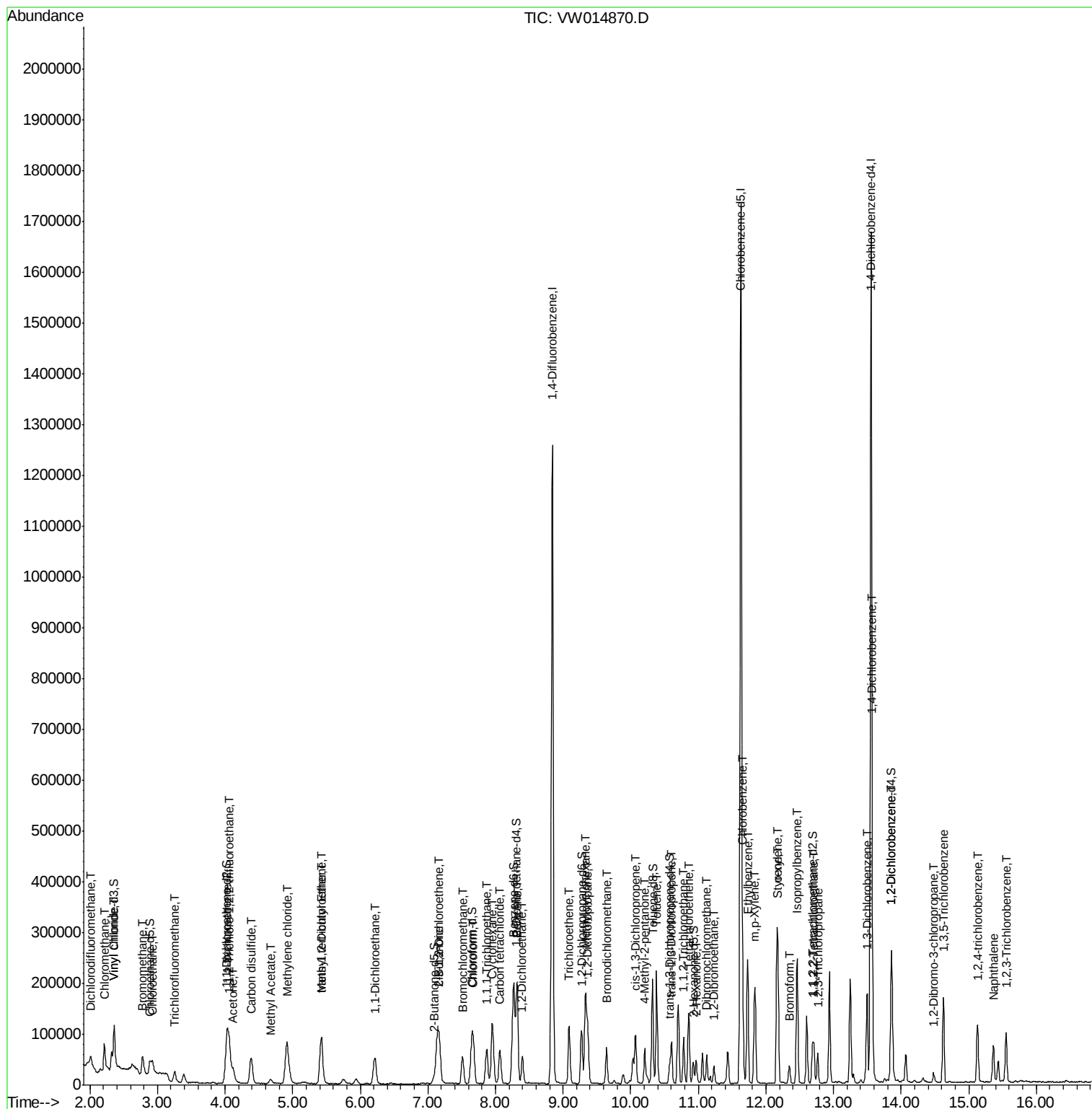
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	156836	2.473	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	42972	2.195	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	27275	2.411	ug/L	99
47) Tetrachloroethene	10.86	164	29604	2.535	ug/L	97
49) 2-Hexanone	10.97	43	30545	3.527	ug/L	98
50) Dibromochloromethane	11.13	129	27692	2.277	ug/L	100
51) 1,2-Dibromoethane	11.23	107	24723	2.325	ug/L	98
52) Chlorobenzene	11.66	112	97933	2.532	ug/L	99
53) Ethylbenzene	11.73	91	168116	2.447	ug/L	97
54) m,p-Xylene	11.83	106	59679	2.374	ug/L	96
55) o-xylene	12.16	106	55260	2.359	ug/L	90
56) Styrene	12.18	104	90088	2.259	ug/L	97
57) Isopropylbenzene	12.46	105	148660	2.347	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	32139	2.165	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	24656	2.169	ug/L	99
62) Bromoform	12.35	173	14612	2.187	ug/L	98
63) 1,3-Dichlorobenzene	13.49	146	68680	2.533	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	73393	2.686	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	64154	2.599	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	5242	2.176	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	47133	2.454	ug/L	94
68) 1,2,4-trichlorobenzene	15.13	180	35892	2.392	ug/L	98
69) Naphthalene	15.36	128	60998	2.003	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	33678	2.428	ug/L	99

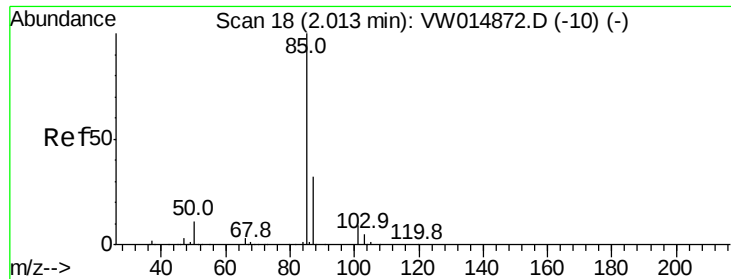
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.079 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

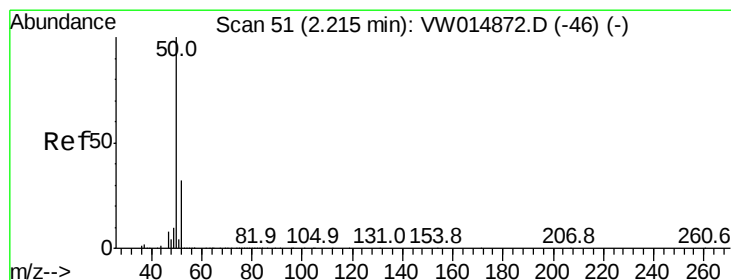
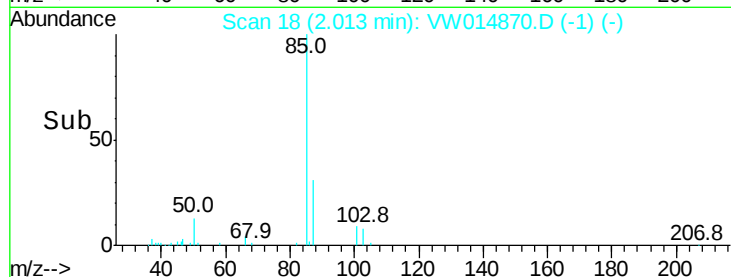
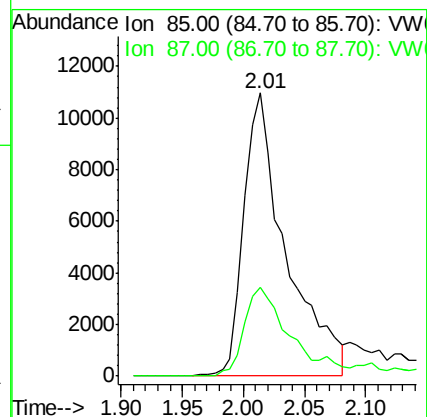
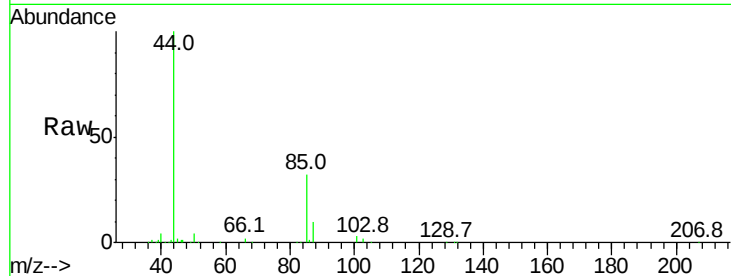
VSTD2.506

Tgt Ion: 85 Resp: 26261

Ion Ratio Lower Upper

85 100

87 31.5 18.1 33.7



#3

Chloromethane

Concen: 2.413 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014870.D

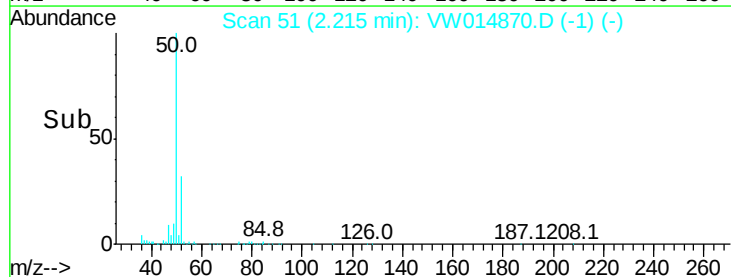
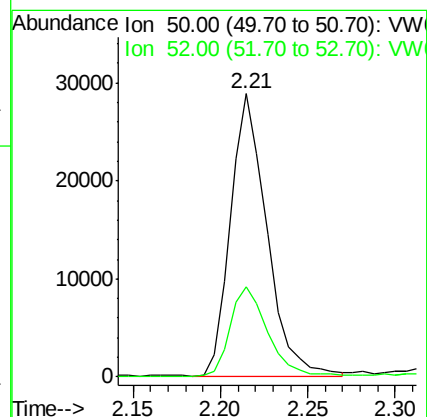
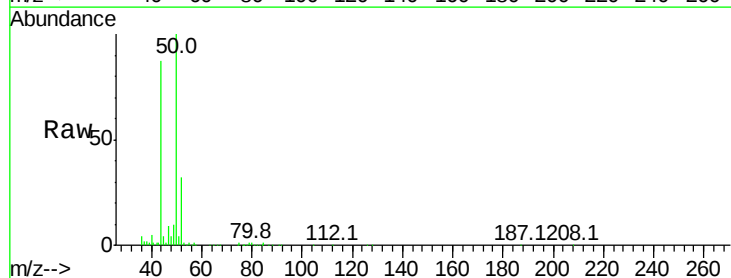
Acq: 05 Feb 2020 13:22

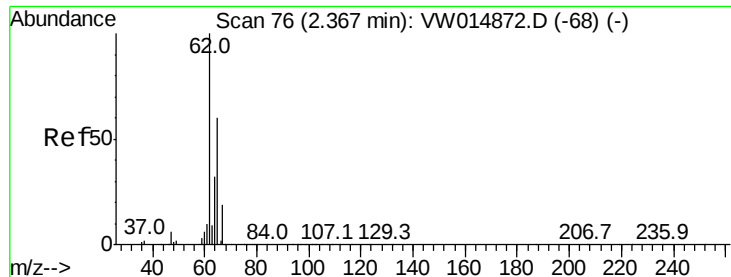
Tgt Ion: 50 Resp: 41774

Ion Ratio Lower Upper

50 100

52 31.9 22.1 41.1





#5

Vinyl chloride

Concen: 3.195 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

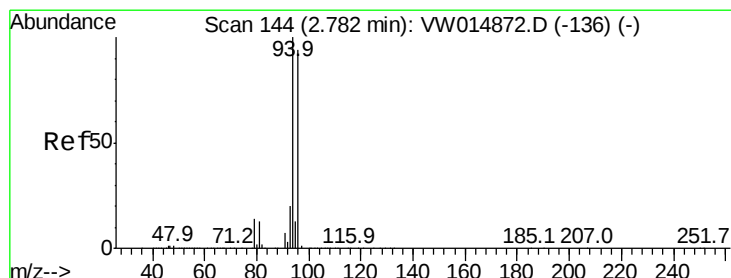
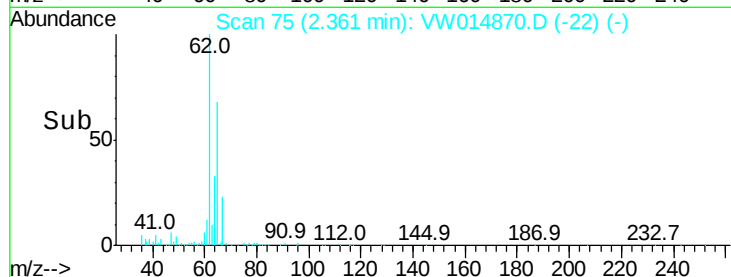
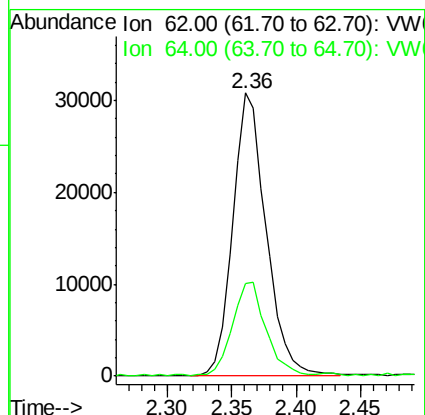
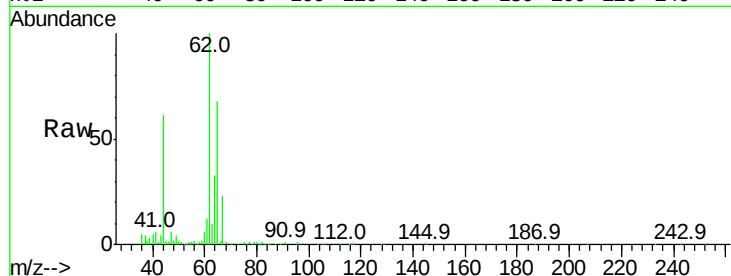
VSTD2.506

Tgt Ion: 62 Resp: 55606

Ion Ratio Lower Upper

62 100

64 32.6 22.5 41.9



#6

Bromomethane

Concen: 2.769 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014870.D

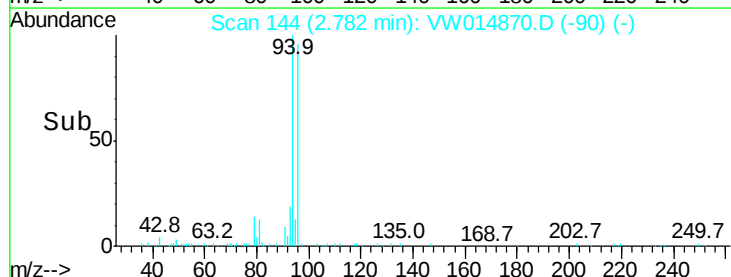
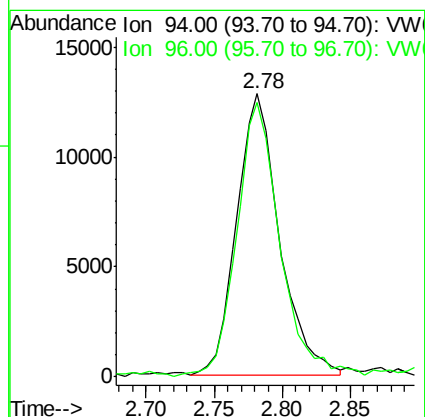
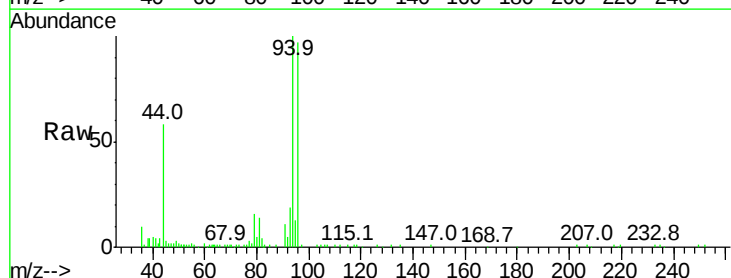
Acq: 05 Feb 2020 13:22

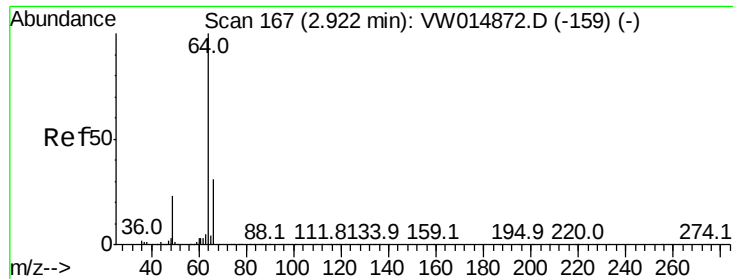
Tgt Ion: 94 Resp: 28205

Ion Ratio Lower Upper

94 100

96 97.0 9.4 178.0





#8

Chloroethane

Concen: 2.648 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

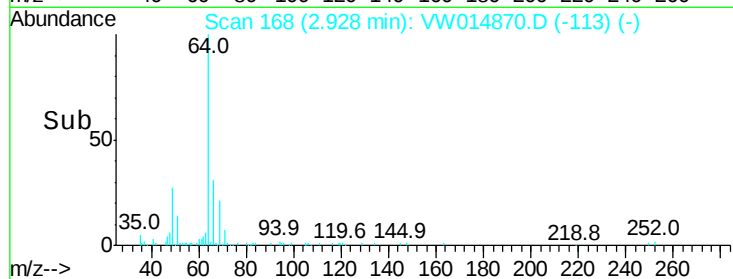
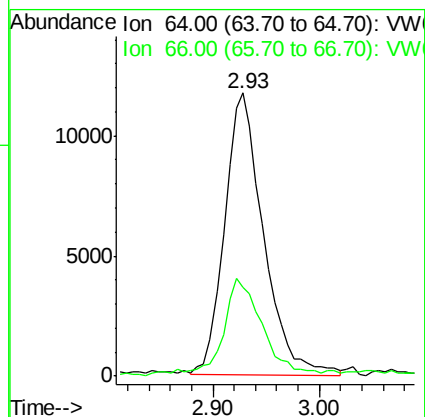
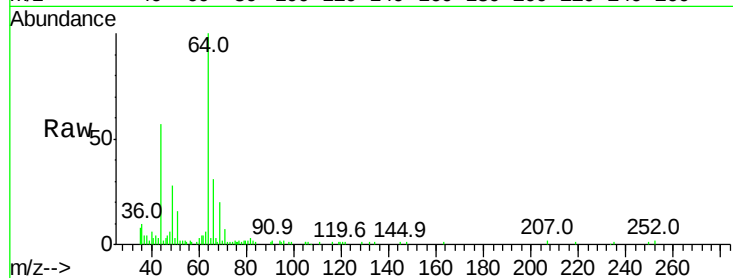
VSTD2.506

Tgt Ion: 64 Resp: 29924

Ion Ratio Lower Upper

64 100

66 31.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 2.102 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014870.D

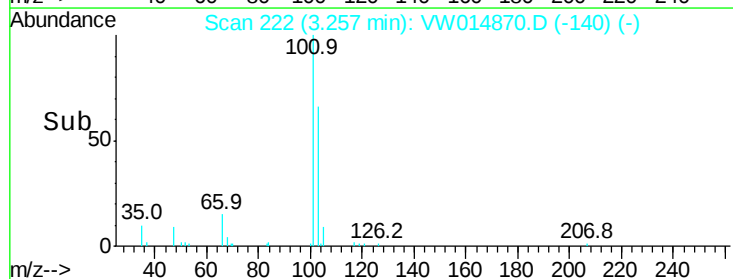
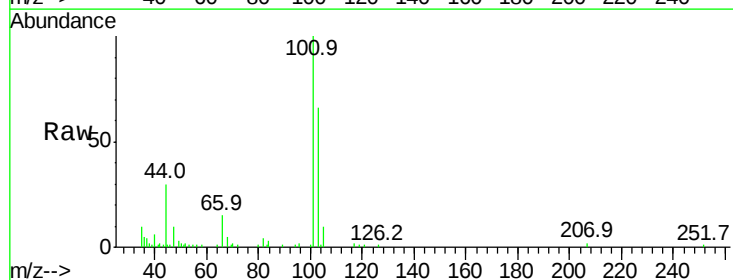
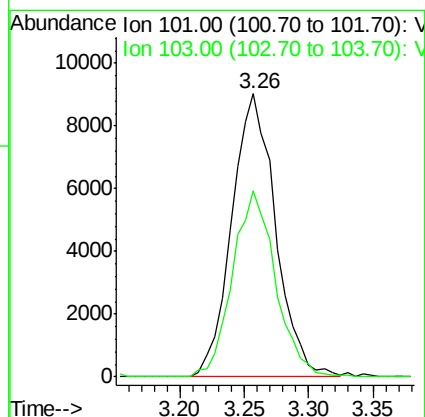
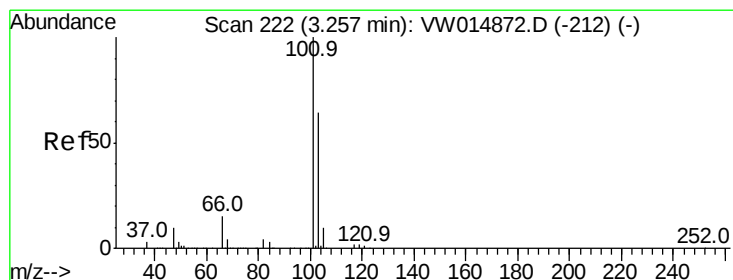
Acq: 05 Feb 2020 13:22

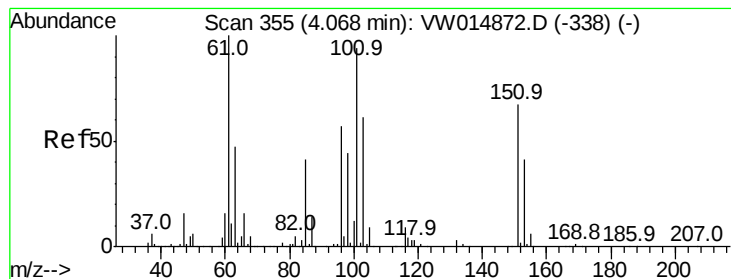
Tgt Ion: 101 Resp: 21300

Ion Ratio Lower Upper

101 100

103 64.4 45.8 85.0





#11

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

Concen: 2.380 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampled :

VSTD2.506

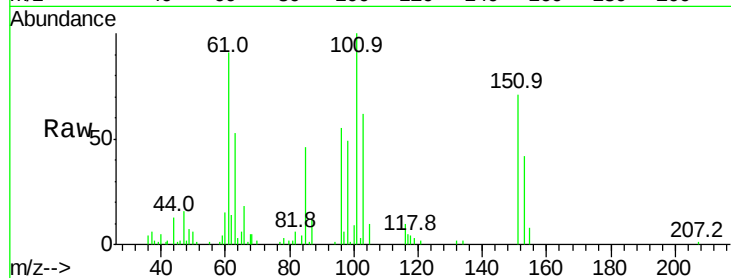
Tgt Ion: 101 Resp: 36965

Ion Ratio Lower Upper

101 100

85 44.4 34.8 52.2

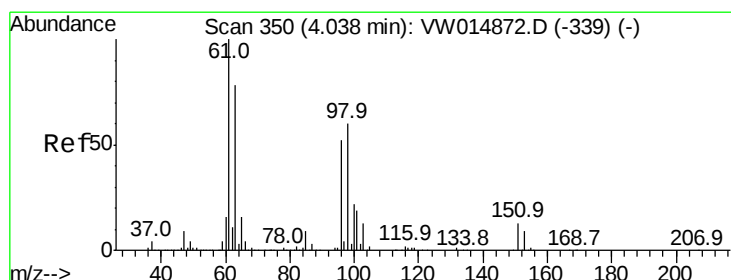
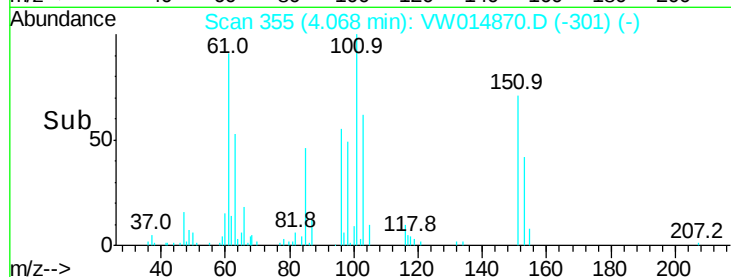
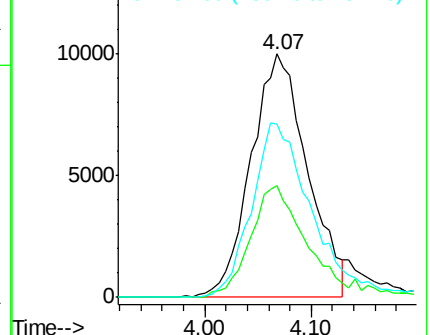
151 76.3 56.3 84.5



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: 2.496 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

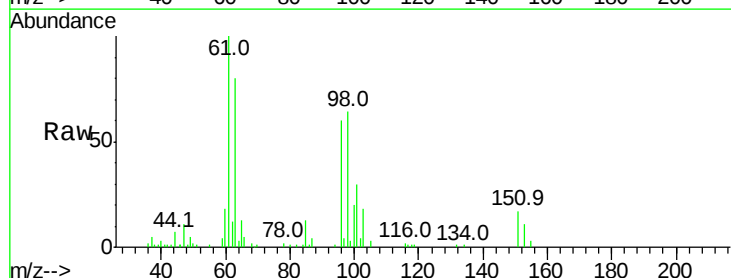
Tgt Ion: 96 Resp: 36563

Ion Ratio Lower Upper

96 100

61 165.3 134.7 250.1

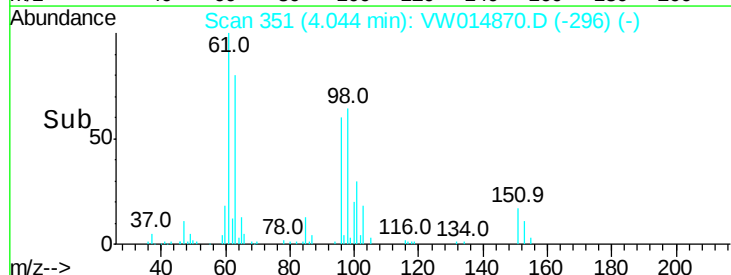
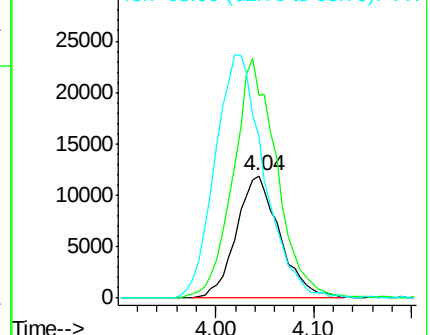
63 132.1 110.2 204.8

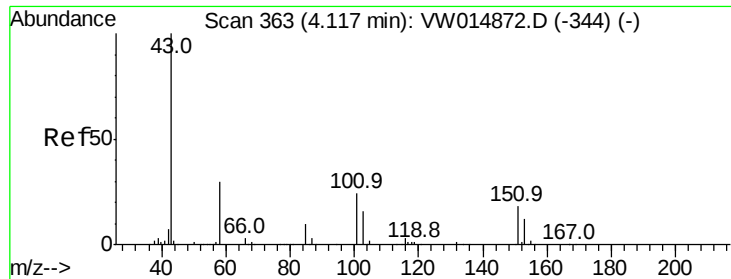


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

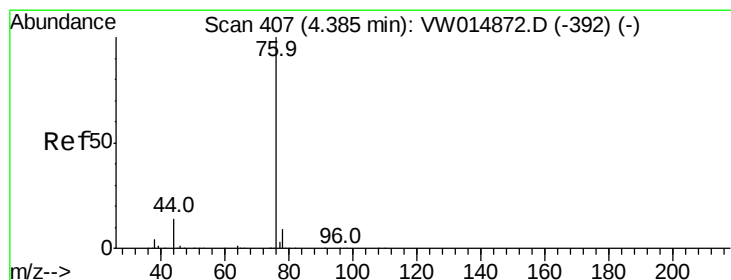
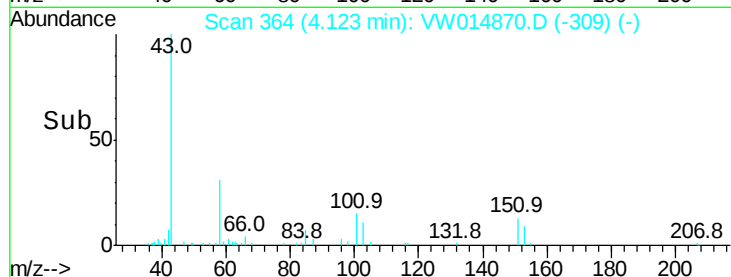
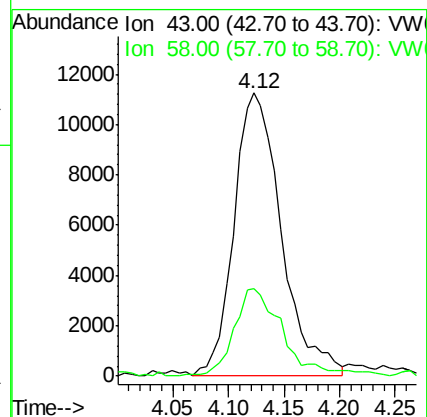
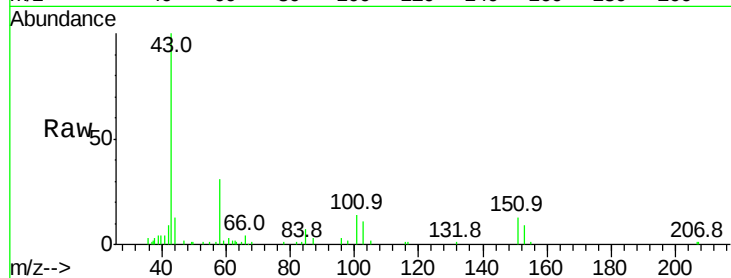




#13
Acetone
Concen: 5.220 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

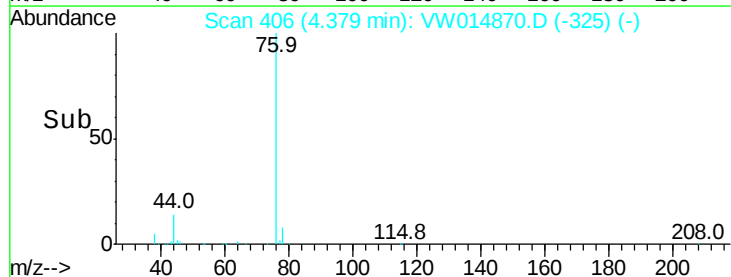
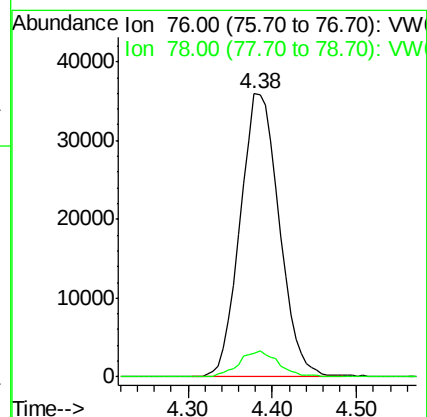
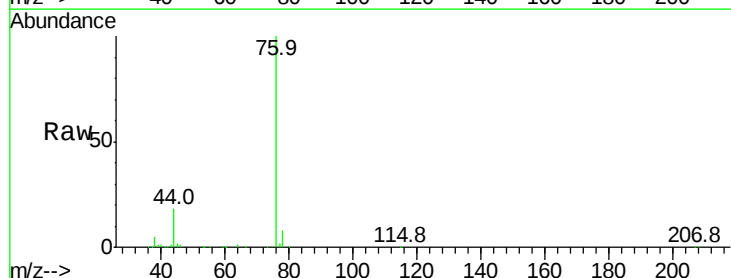
Instrument :
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ClientSampleId :
VSTD2.506

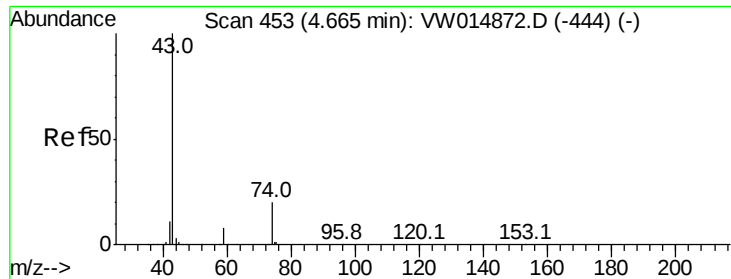
Tgt Ion: 43 Resp: 33332
Ion Ratio Lower Upper
43 100
58 29.0 0.0 60.4



#14
Carbon disulfide
Concen: 2.542 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

Tgt Ion: 76 Resp: 113010
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6

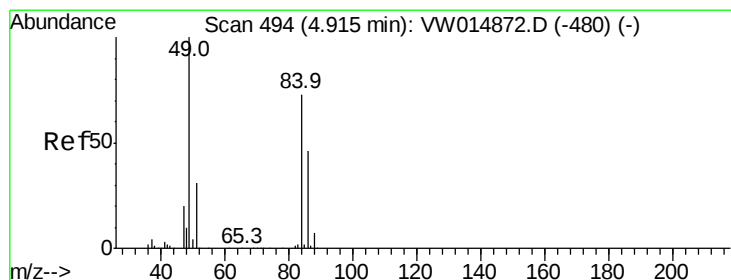
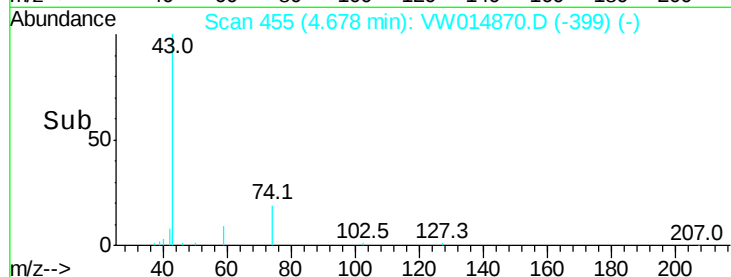
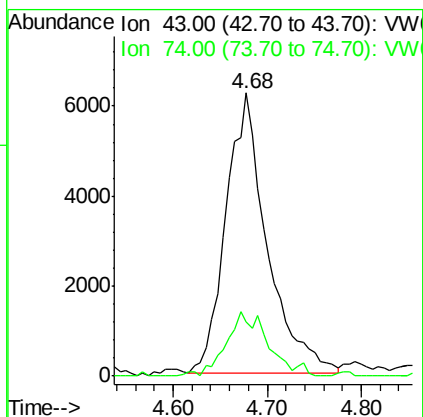
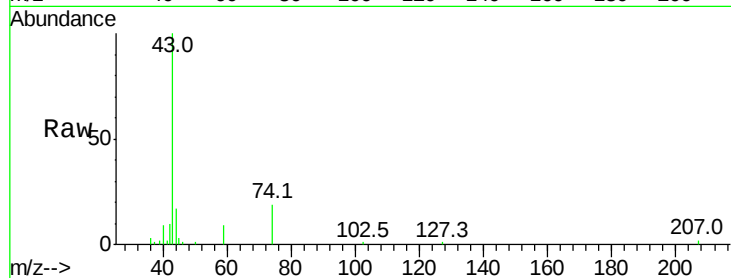




#15
Methyl Acetate
Concen: 1.971 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014870.D
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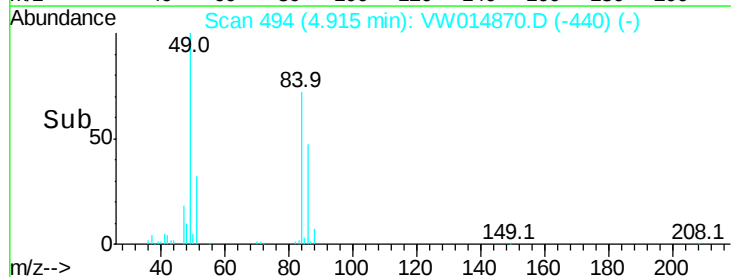
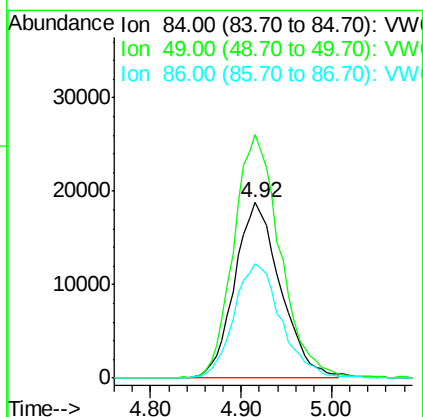
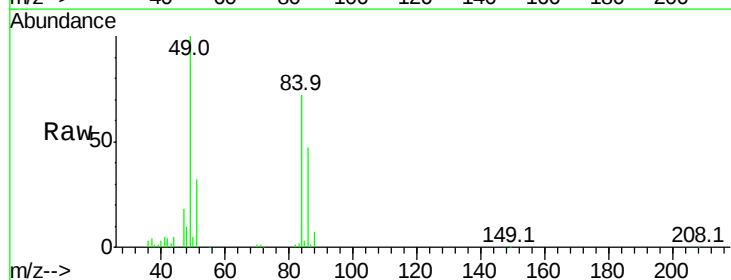
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

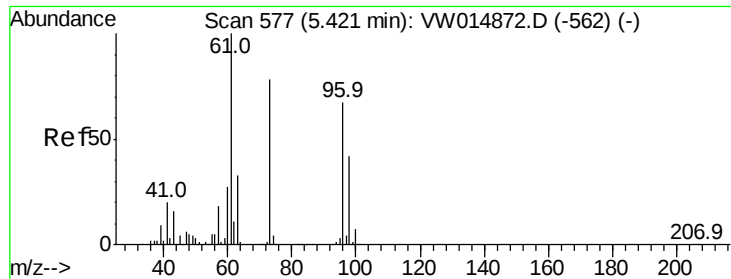
Tgt Ion: 43 Resp: 18836
Ion Ratio Lower Upper
43 100
74 13.9 16.5 24.7#



#16
Methylene chloride
Concen: 3.573 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

Tgt Ion: 84 Resp: 66180
Ion Ratio Lower Upper
84 100
49 138.7 95.8 177.8
86 64.9 44.2 82.2

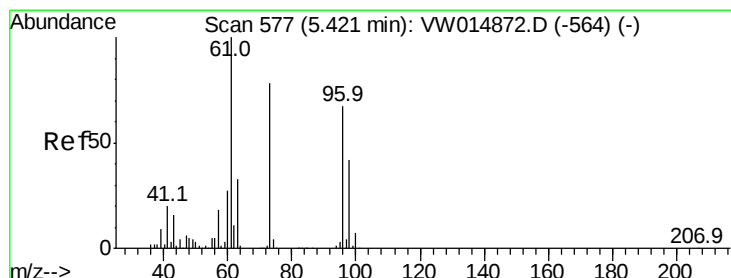
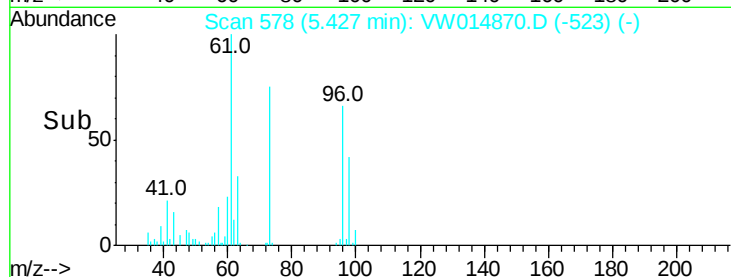
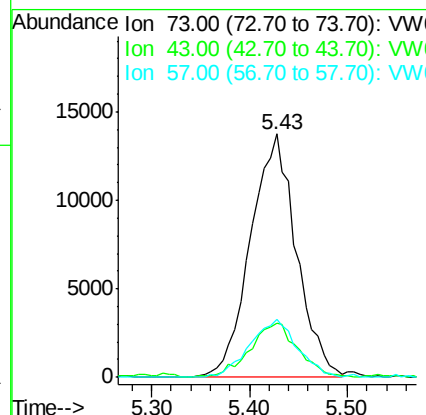
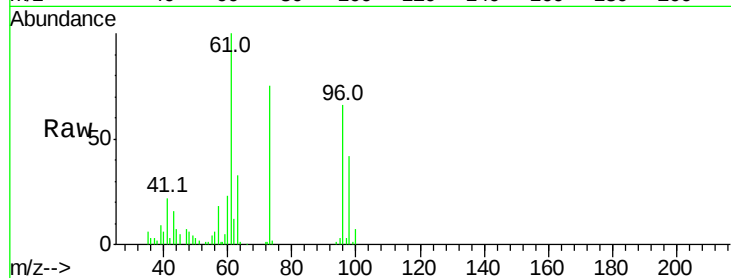




#17
Methyl tert-butyl Ether
Concen: 2.414 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

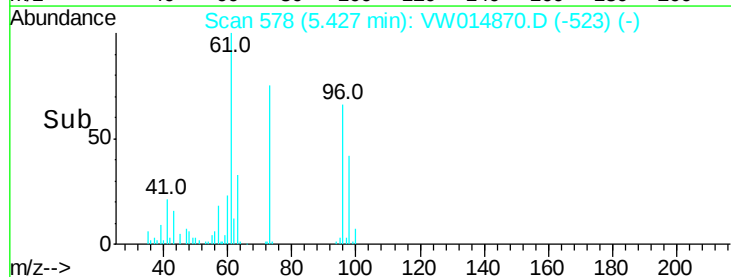
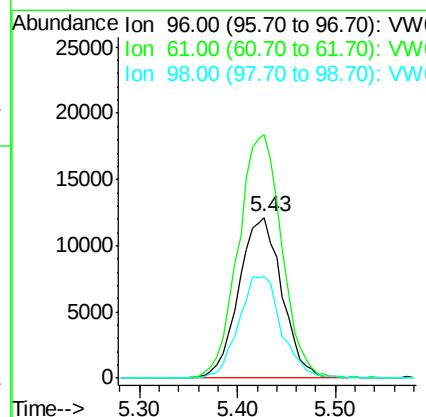
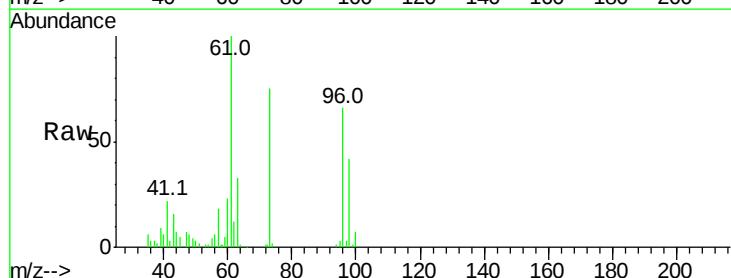
Instrument :
MSVOA_W
ClientSampled :
VSTD2.506

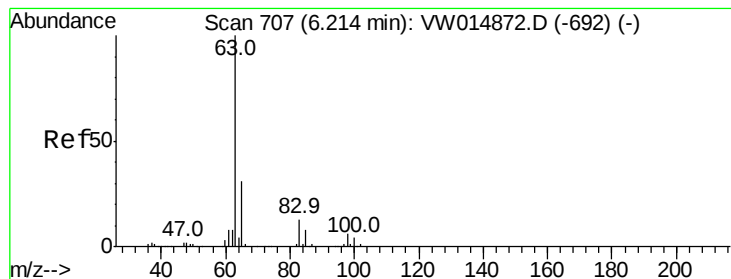
Tgt Ion: 73 Resp: 44881
Ion Ratio Lower Upper
73 100
43 23.3 17.5 26.3
57 24.8 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 2.464 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

Tgt Ion: 96 Resp: 37041
Ion Ratio Lower Upper
96 100
61 151.5 104.4 194.0
98 63.5 43.8 81.3





#19

1,1-Dichloroethane

Concen: 2.484 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

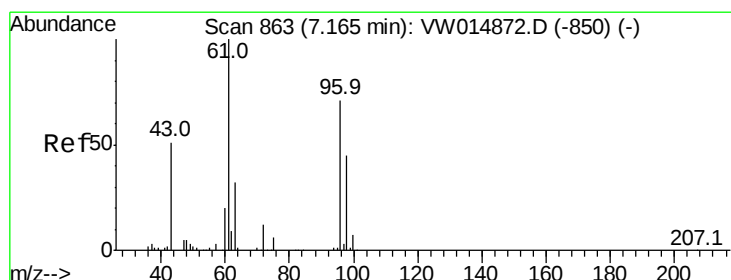
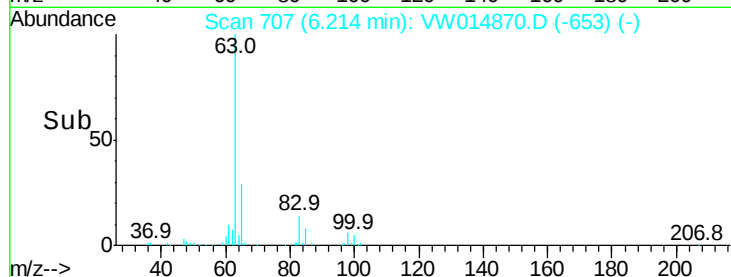
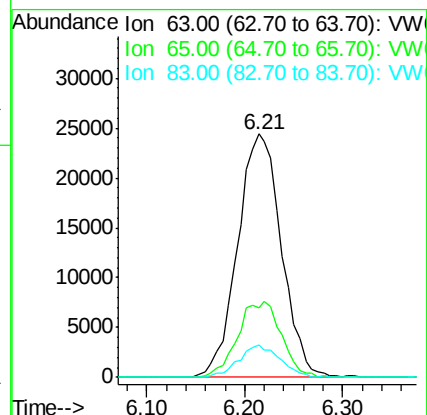
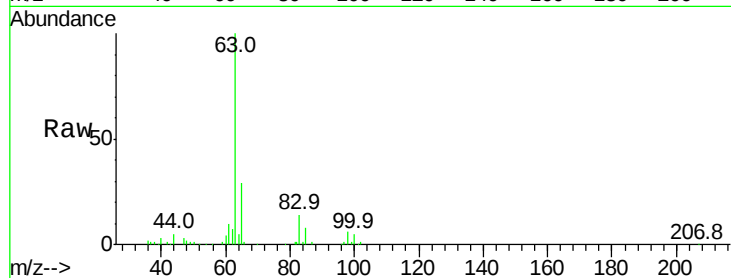
Tgt Ion: 63 Resp: 75804

Ion Ratio Lower Upper

63 100

65 28.7 21.5 39.9

83 13.5 8.8 16.3



#21

2-Butanone

Concen: 4.271 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014870.D

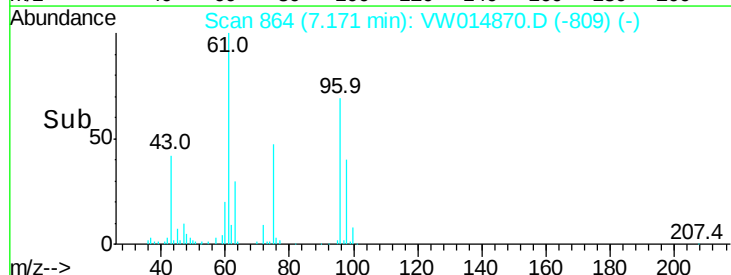
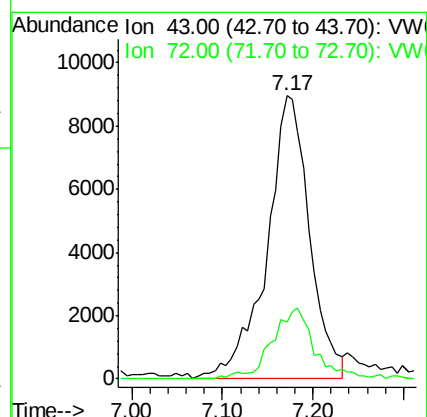
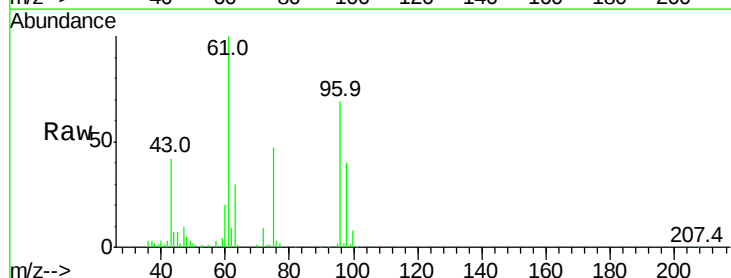
Acq: 05 Feb 2020 13:22

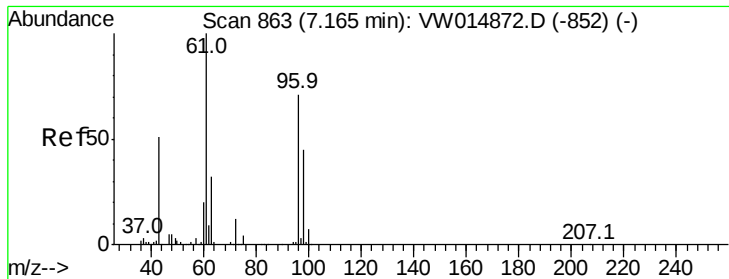
Tgt Ion: 43 Resp: 29268

Ion Ratio Lower Upper

43 100

72 23.6 11.9 35.5



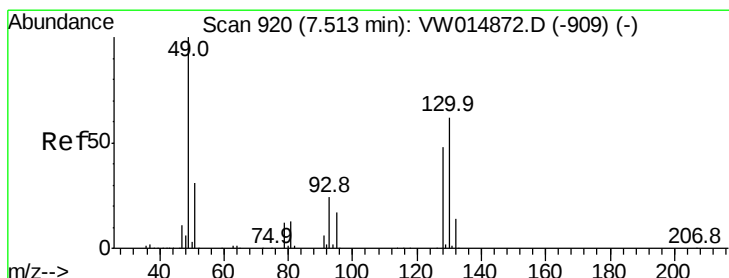
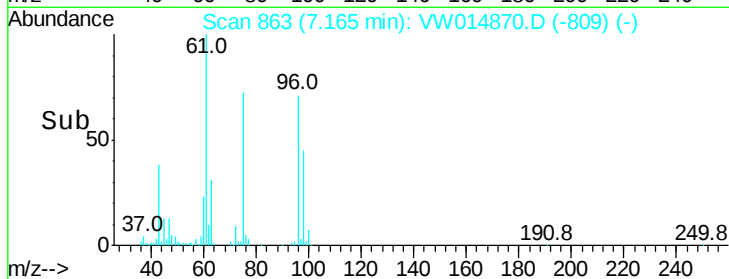
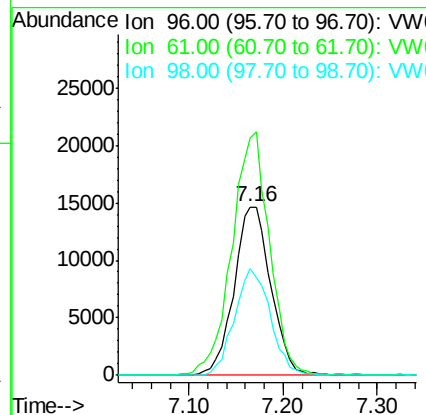
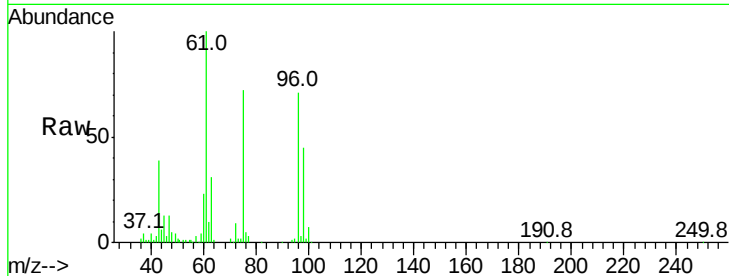


#22

cis-1,2-Dichloroethene
 Concen: 2.557 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

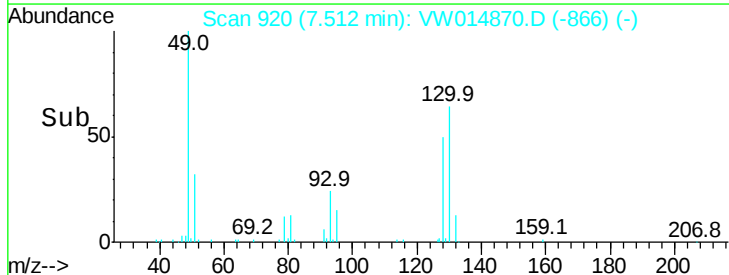
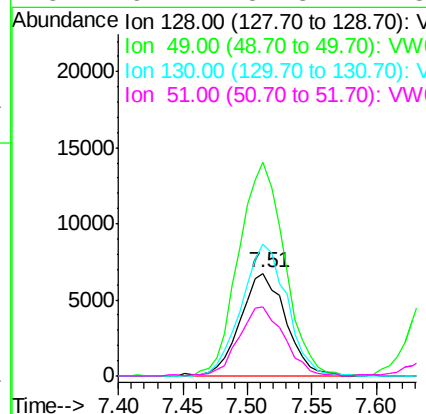
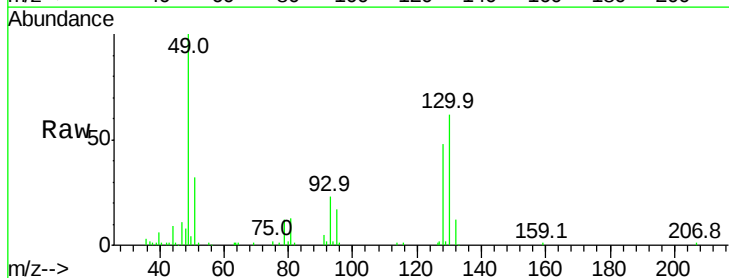
Tgt Ion: 96 Resp: 39719
 Ion Ratio Lower Upper
 96 100
 61 140.7 98.6 183.0
 98 63.1 44.2 82.2

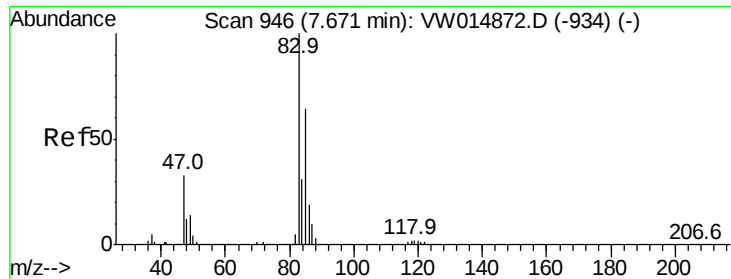


#23

Bromochloromethane
 Concen: 2.481 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

Tgt Ion: 128 Resp: 16483
 Ion Ratio Lower Upper
 128 100
 49 208.3 146.0 271.2
 130 128.6 90.9 168.9
 51 67.4 51.8 77.8

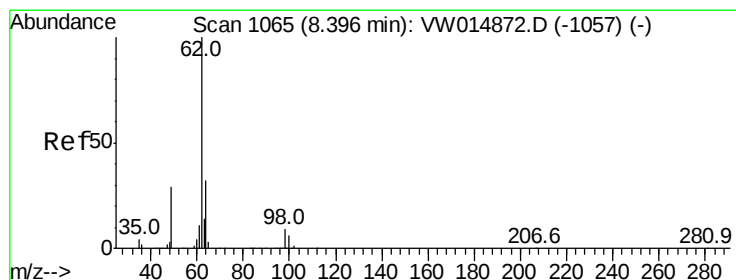
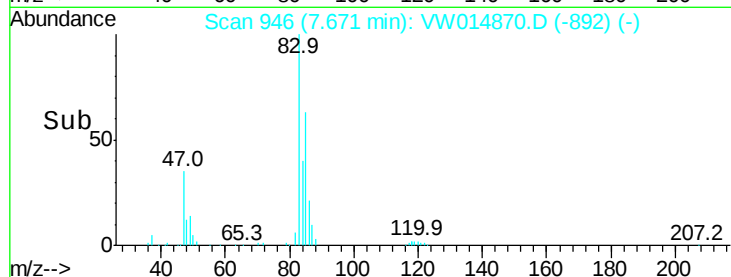
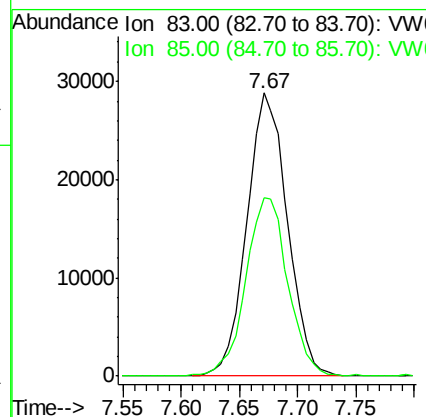
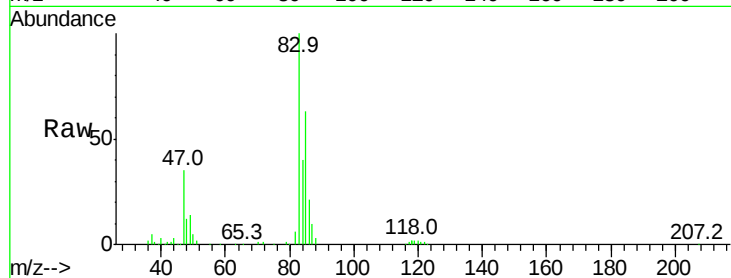




#25
Chloroform
Concen: 2.506 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

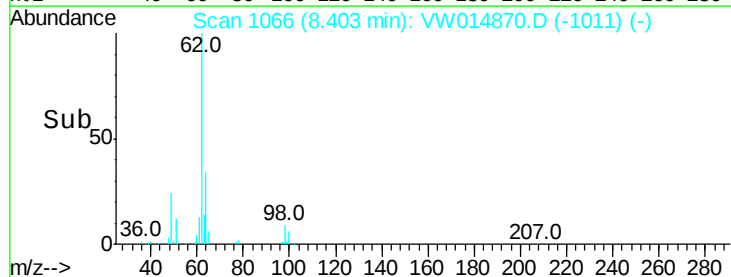
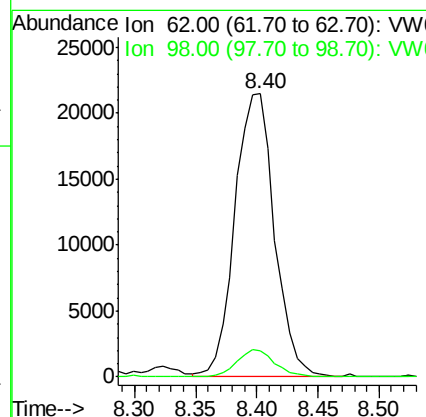
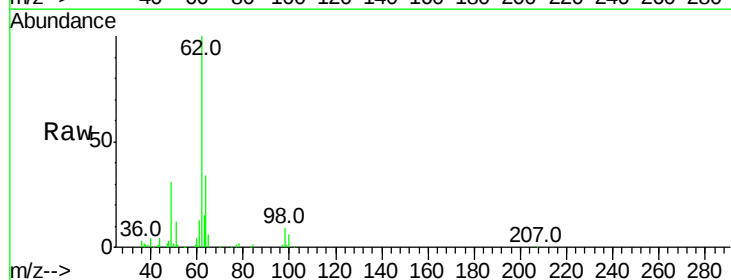
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

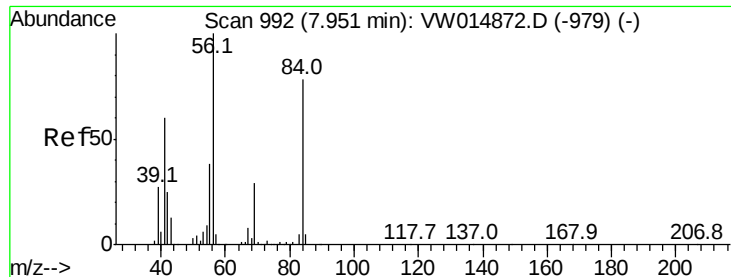
Tgt Ion: 83 Resp: 69835
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.478 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

Tgt Ion: 62 Resp: 48241
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

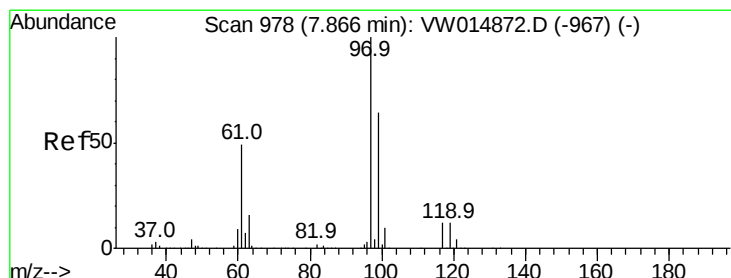
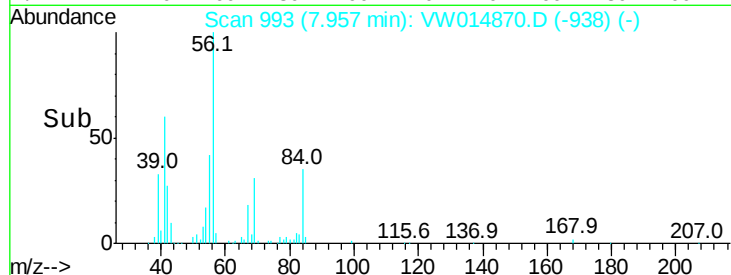
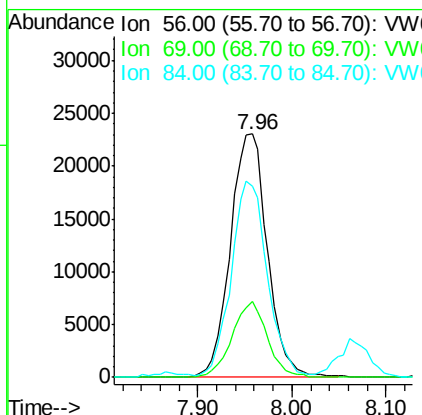
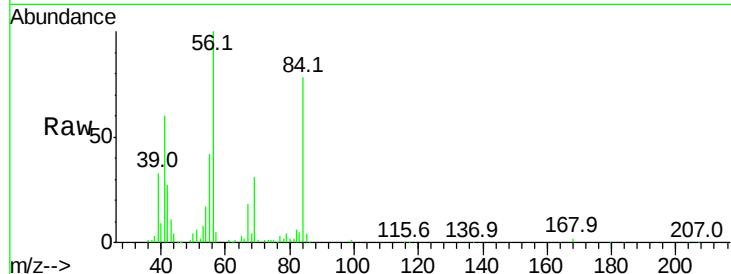




#30
Cyclohexane
Concen: 2.307 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

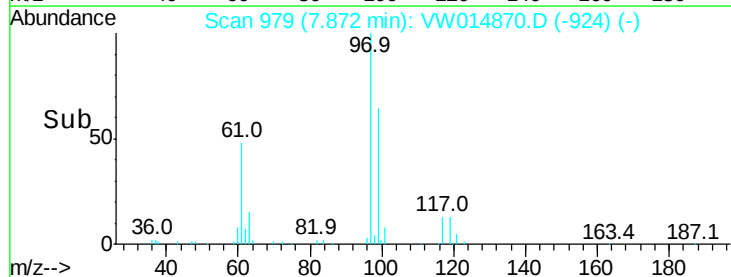
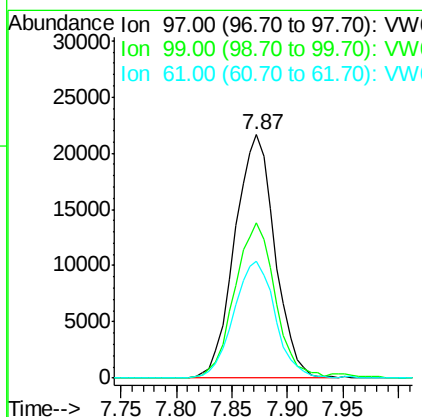
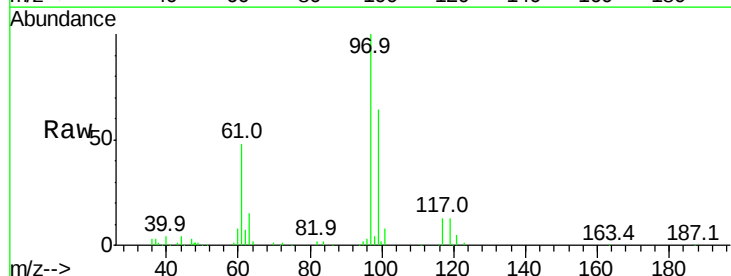
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

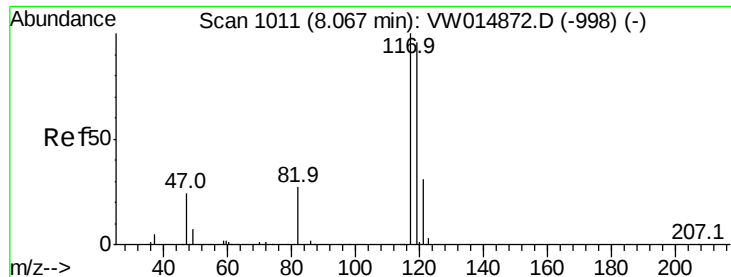
Tgt Ion: 56 Resp: 63095
Ion Ratio Lower Upper
56 100
69 29.4 22.9 34.3
84 78.9 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 2.550 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014870.D
Acq: 05 Feb 2020 13:22

Tgt Ion: 97 Resp: 54160
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.6
61 49.4 38.9 58.3





#32

Carbon tetrachloride

Concen: 2.463 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

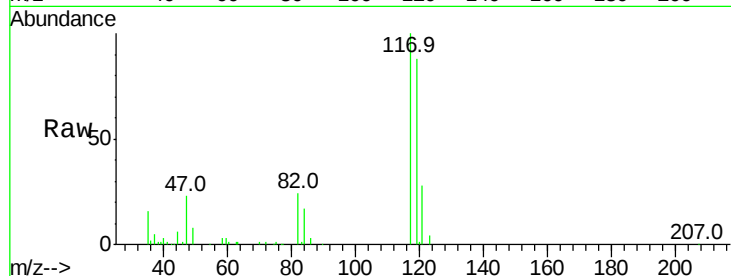
VSTD2.506

Tgt Ion:117 Resp: 47525

Ion Ratio Lower Upper

117 100

119 94.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

20000

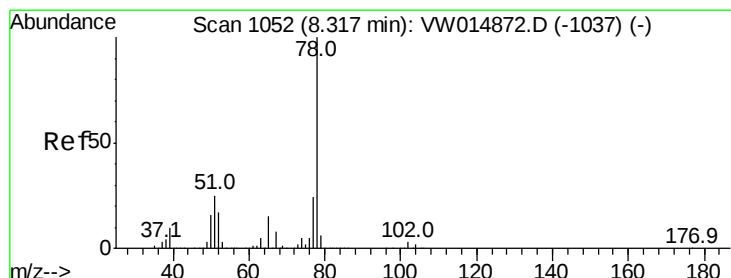
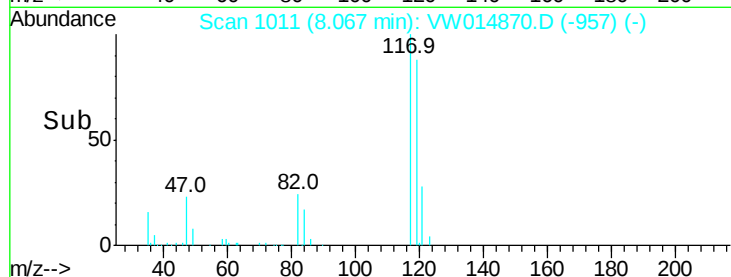
15000

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 2.581 ug/L

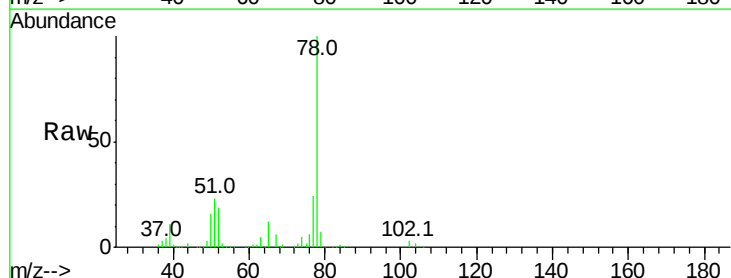
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Tgt Ion: 78 Resp: 163573



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

80000

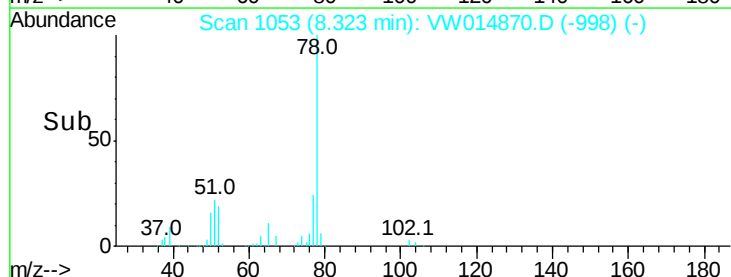
60000

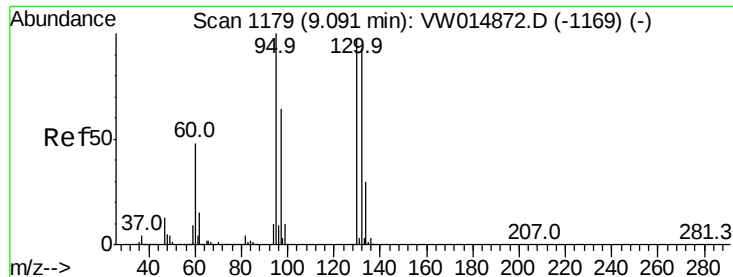
40000

20000

0

Time--> 8.20 8.30 8.40

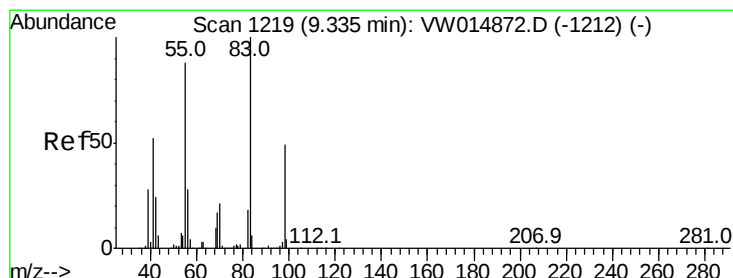
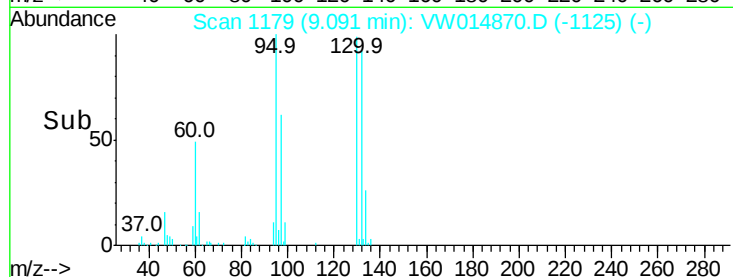
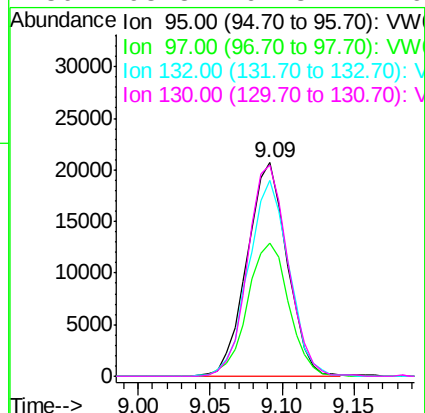
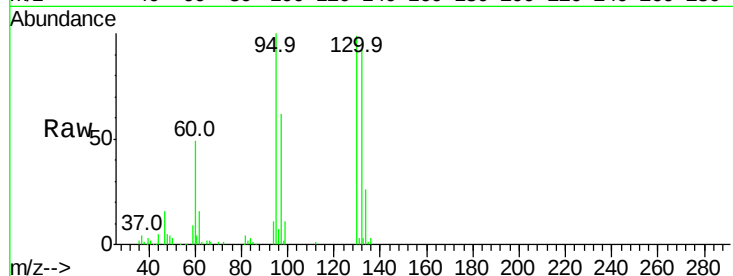




#35
 Trichloroethene
 Concen: 2.554 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

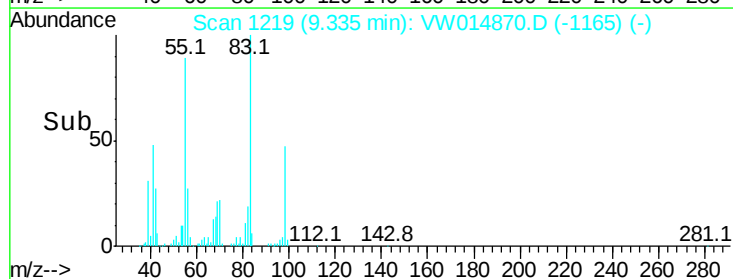
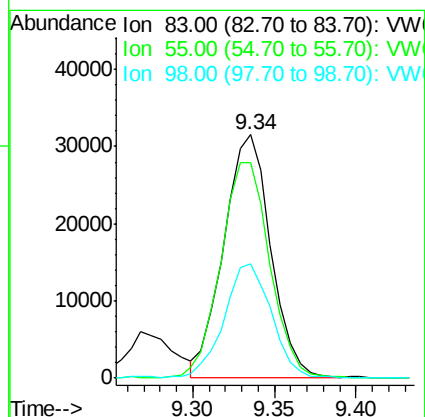
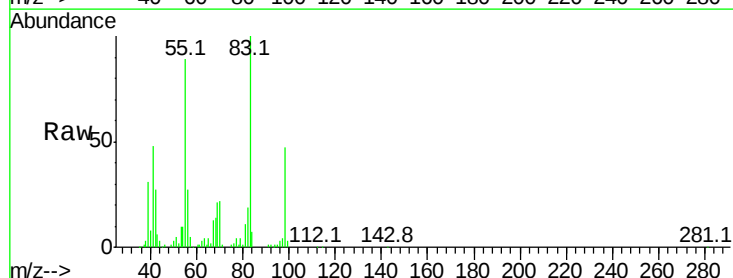
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

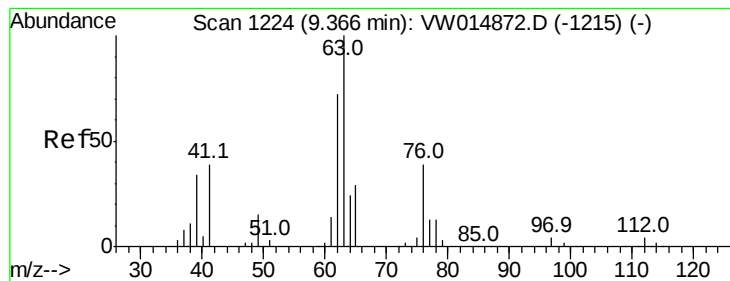
Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.5
132	92.7	63.6	118.0
130	98.8	67.3	124.9



#36
 Methylcyclohexane
 Concen: 2.310 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.5	68.0	102.0
98	46.8	37.8	56.6





#40

1,2-Dichloropropane

Concen: 2.532 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

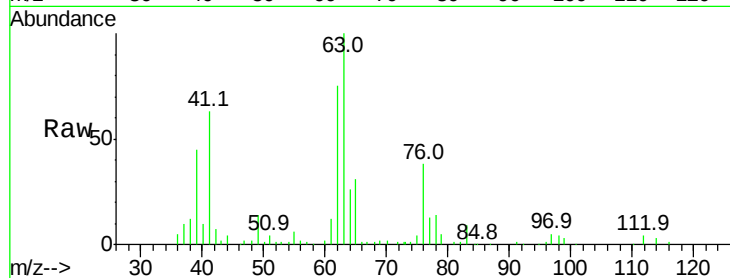
VSTD2.506

Tgt Ion: 63 Resp: 43281

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

25000

20000

15000

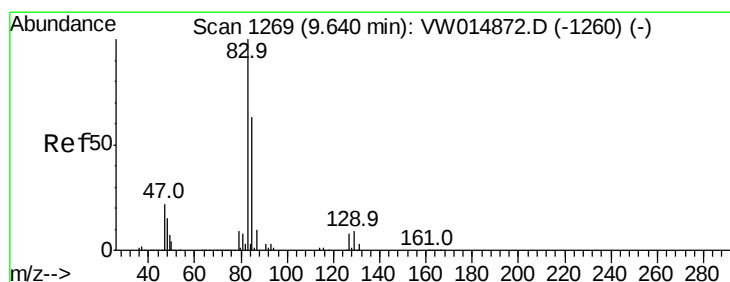
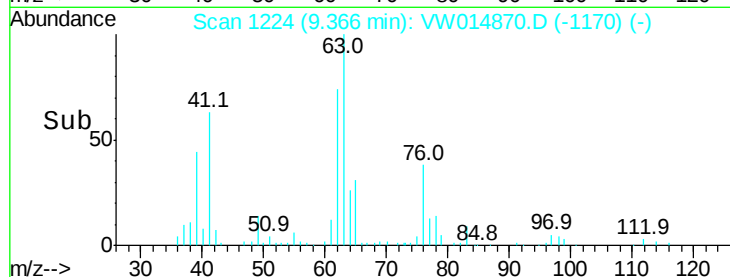
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 2.438 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

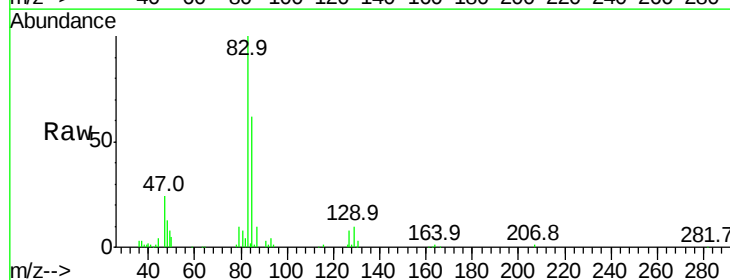
Tgt Ion: 83 Resp: 47747

Ion Ratio Lower Upper

83 100

85 62.1 44.2 82.0

127 8.5 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

30000

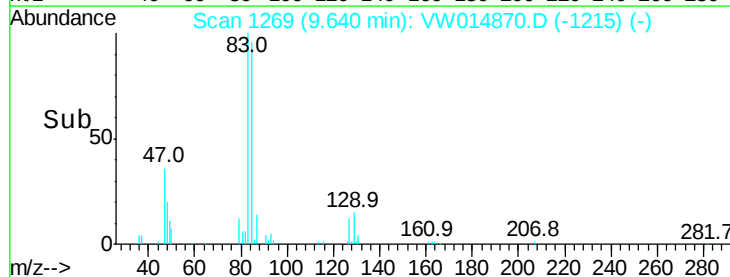
20000

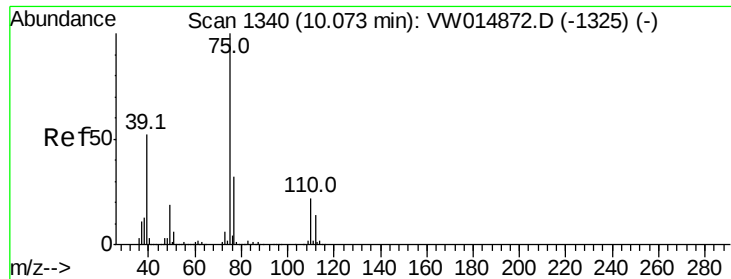
10000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 2.282 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

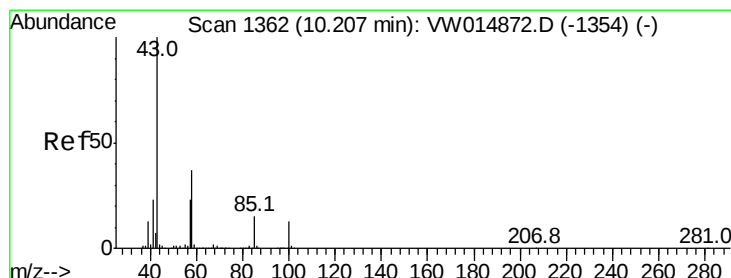
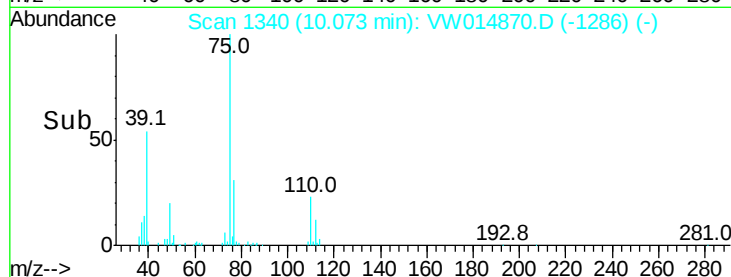
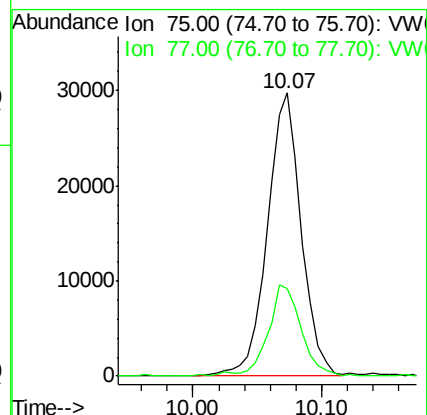
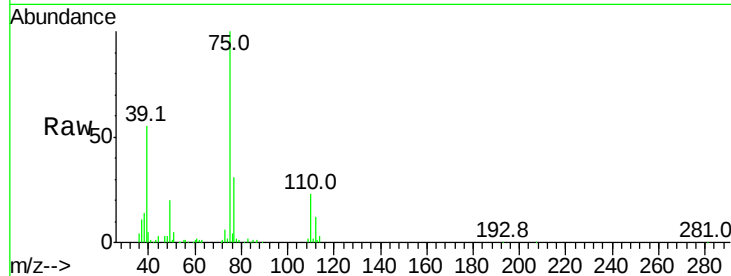
VSTD2.506

Tgt Ion: 75 Resp: 54304

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 3.809 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

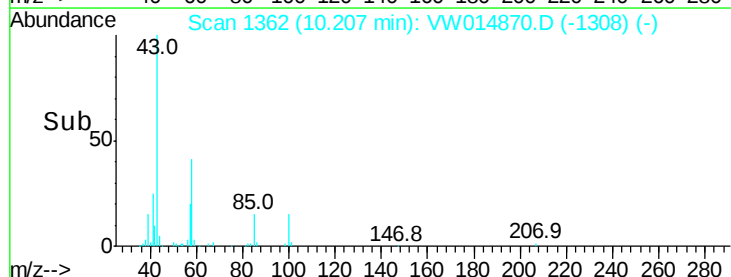
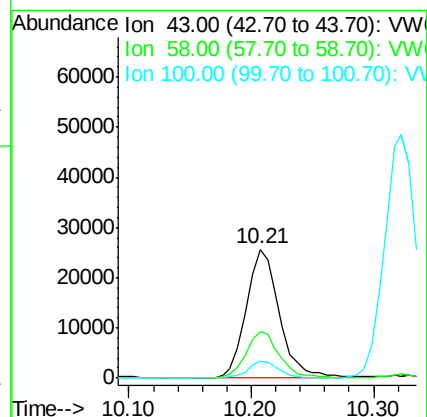
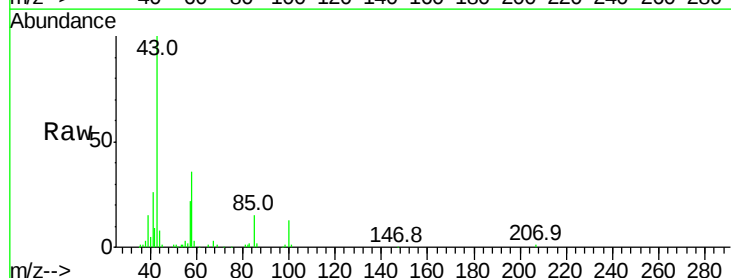
Tgt Ion: 43 Resp: 47812

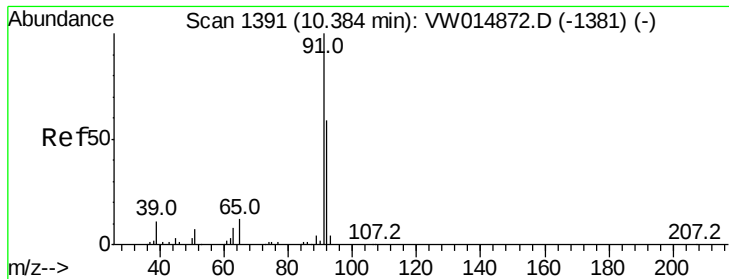
Ion Ratio Lower Upper

43 100

58 36.6 30.0 45.0

100 12.3 10.6 15.8





#44

Toluene

Concen: 2.473 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

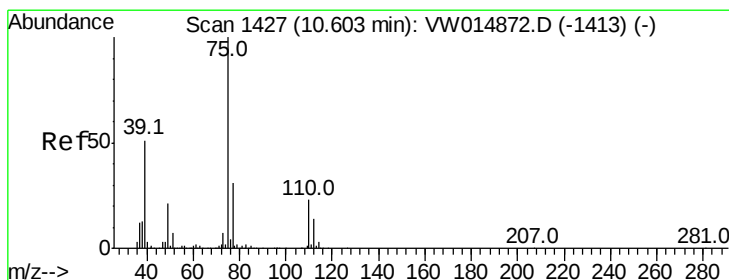
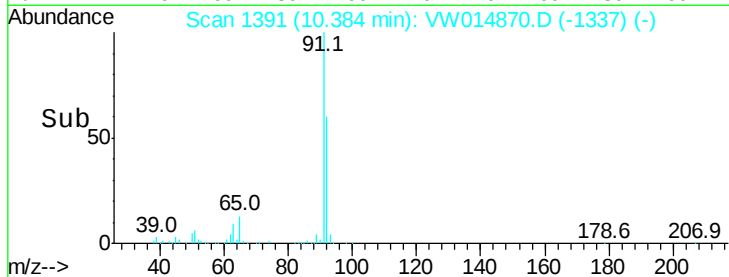
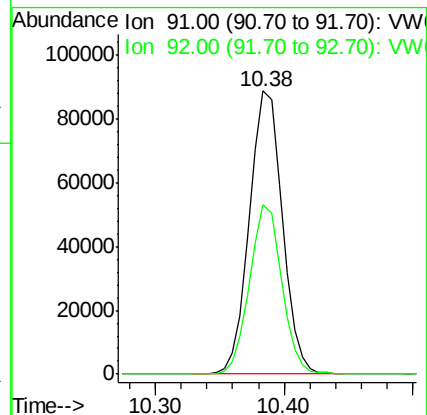
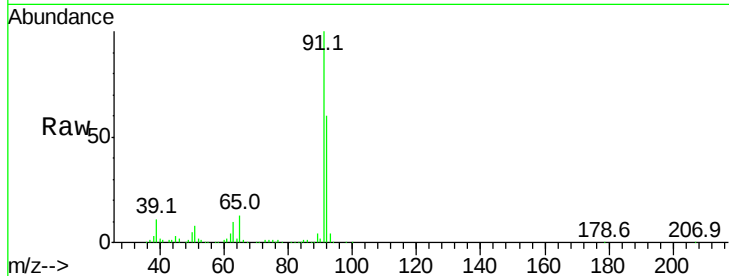
VSTD2.506

Tgt Ion: 91 Resp: 156836

Ion Ratio Lower Upper

91 100

92 59.7 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 2.195 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014870.D

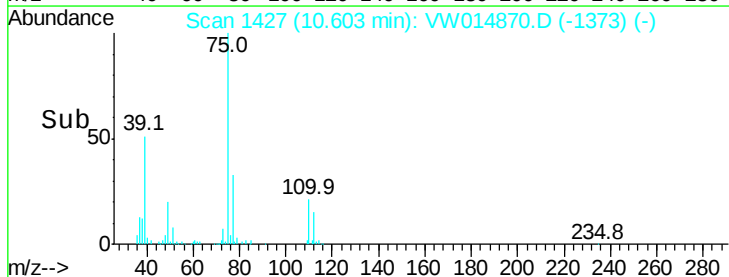
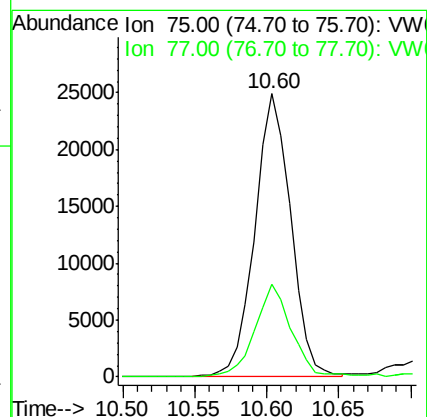
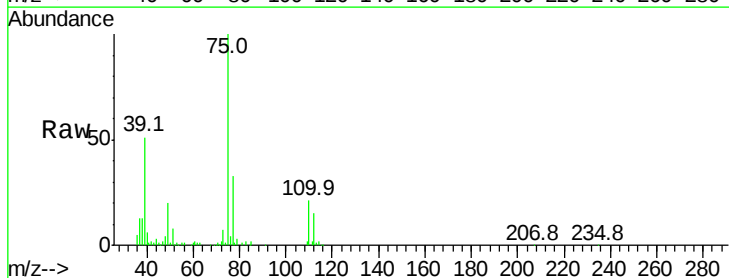
Acq: 05 Feb 2020 13:22

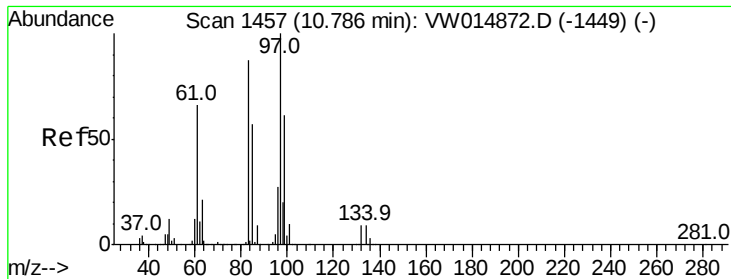
Tgt Ion: 75 Resp: 42972

Ion Ratio Lower Upper

75 100

77 32.9 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 2.411 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion: 97 Resp: 27275

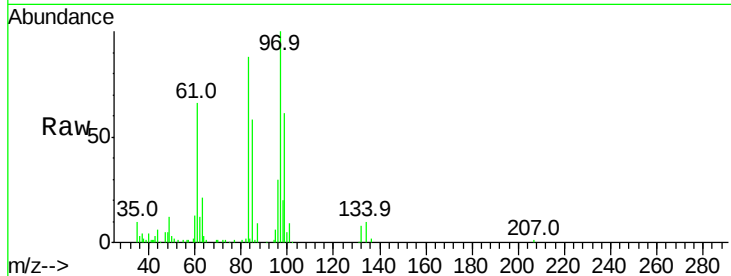
Ion Ratio Lower Upper

97 100

83 88.1 60.8 112.8

85 57.7 39.9 74.1

99 61.0 42.8 79.6



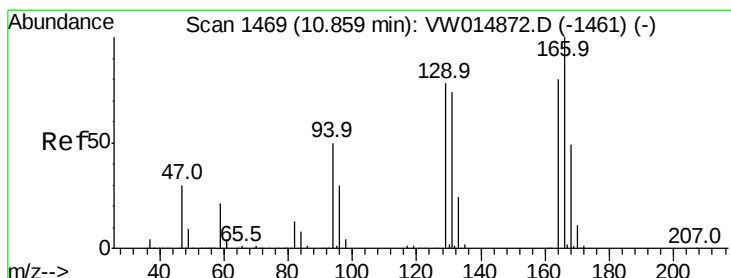
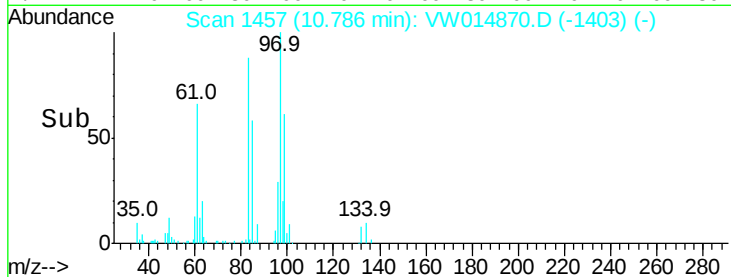
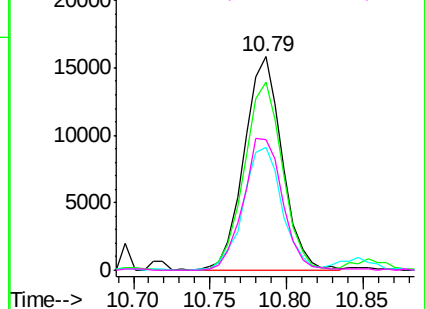
Abundance

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: 2.535 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Tgt Ion: 164 Resp: 29604

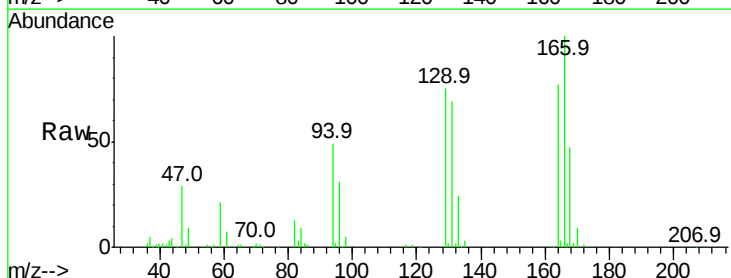
Ion Ratio Lower Upper

164 100

129 97.2 67.5 125.4

131 89.5 64.0 119.0

166 130.1 87.0 161.6



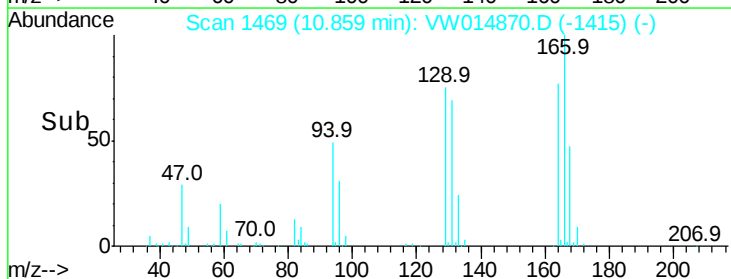
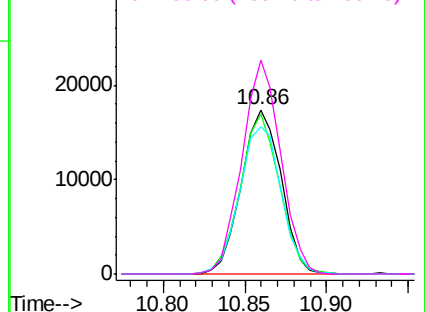
Abundance

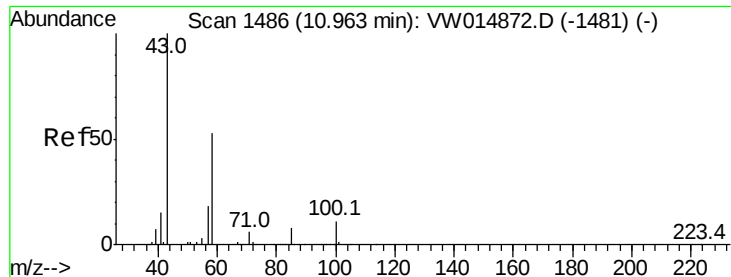
Ion 164.00 (163.70 to 164.70): V

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: 3.527 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampled :

VSTD2.506

Tgt Ion: 43 Resp: 30545

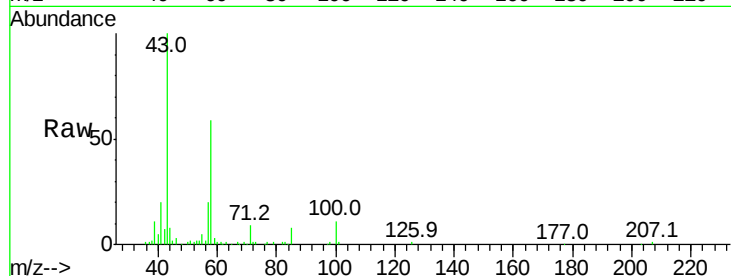
Ion Ratio Lower Upper

43 100

58 51.0 42.2 63.2

57 17.6 14.5 21.7

100 11.2 8.6 12.8

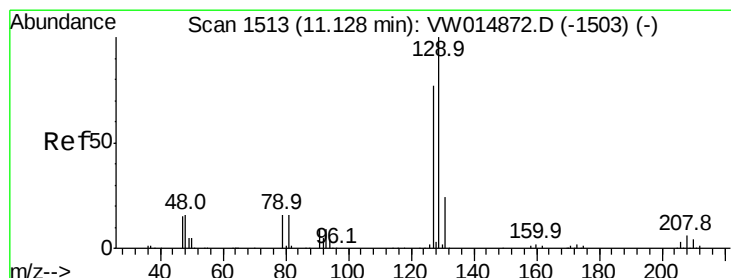
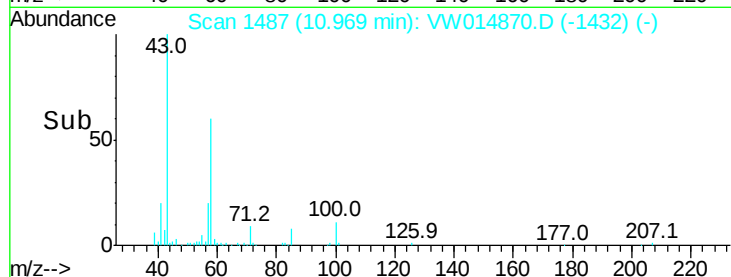
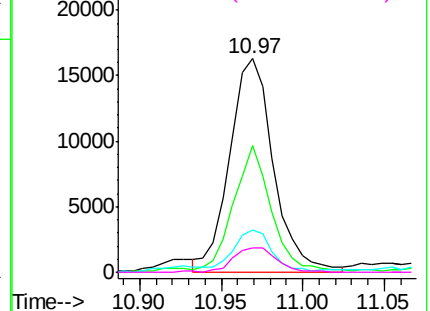


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.277 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014870.D

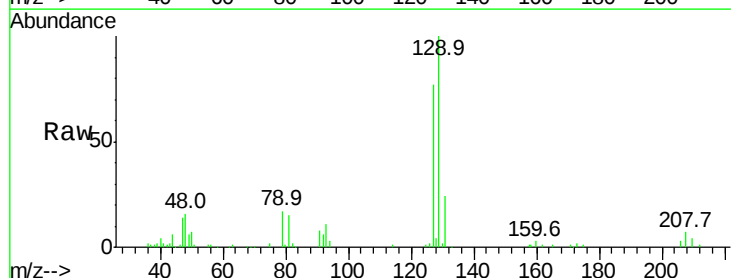
Acq: 05 Feb 2020 13:22

Tgt Ion: 129 Resp: 27692

Ion Ratio Lower Upper

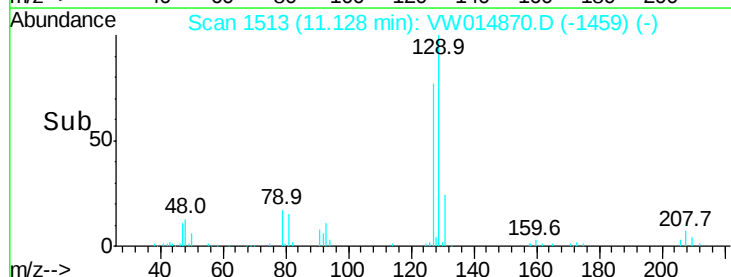
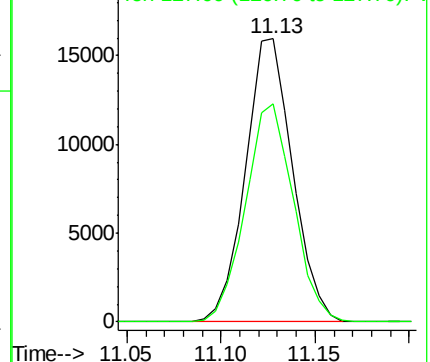
129 100

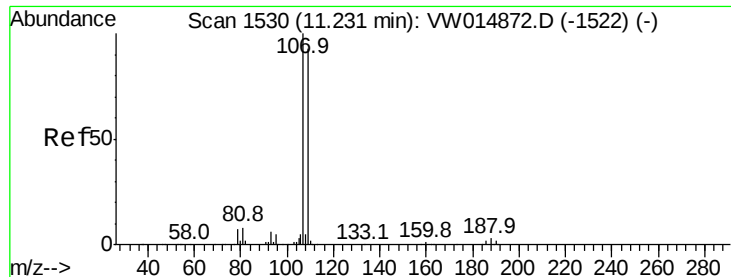
127 77.1 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 2.325 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

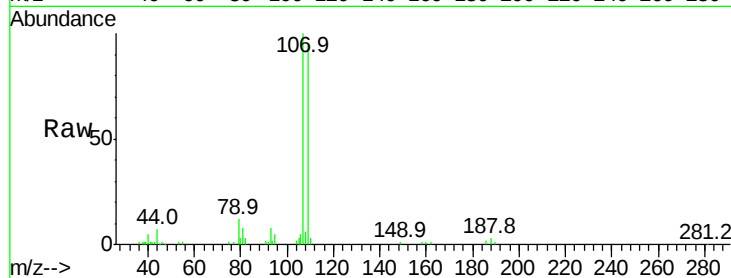
Tgt Ion:107 Resp: 24723

Ion Ratio Lower Upper

107 100

109 94.8 65.0 120.6

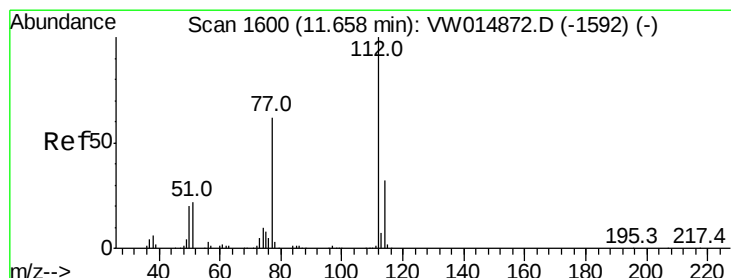
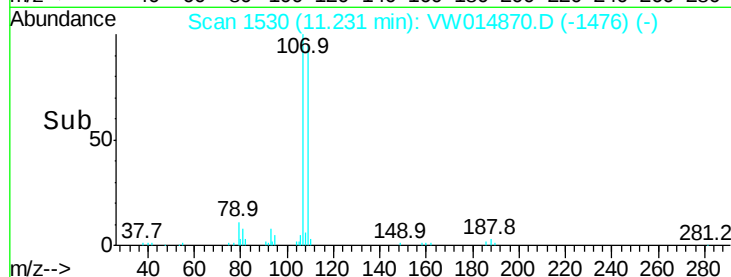
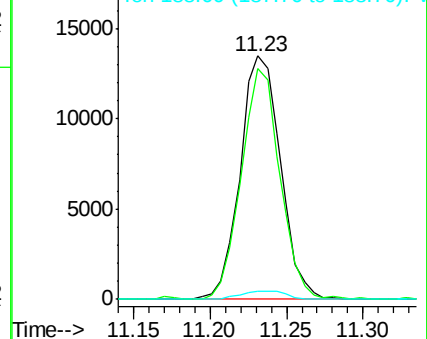
188 3.3 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.532 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

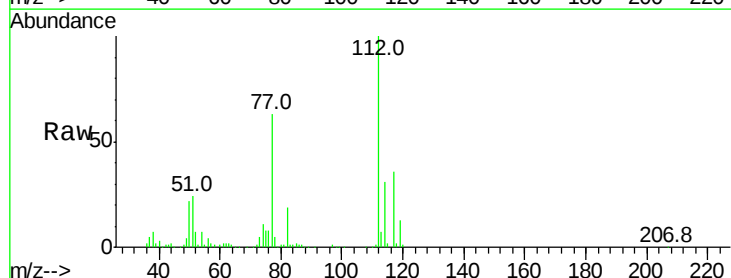
Tgt Ion:112 Resp: 97933

Ion Ratio Lower Upper

112 100

77 62.8 49.9 74.9

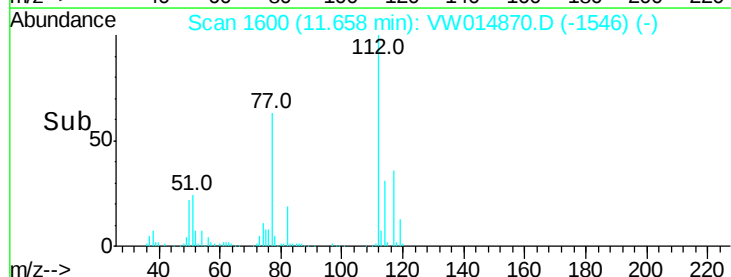
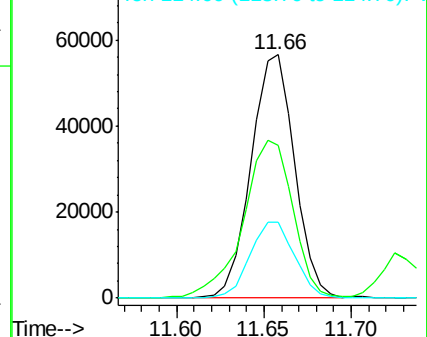
114 31.3 22.7 42.1

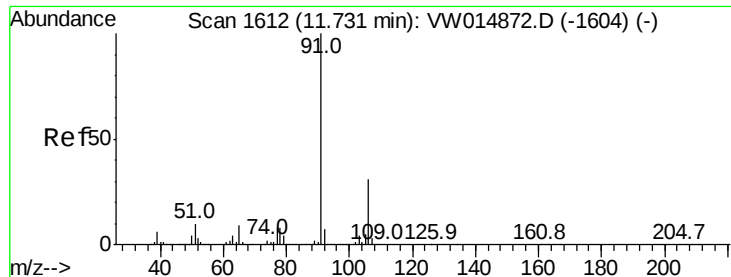


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.447 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

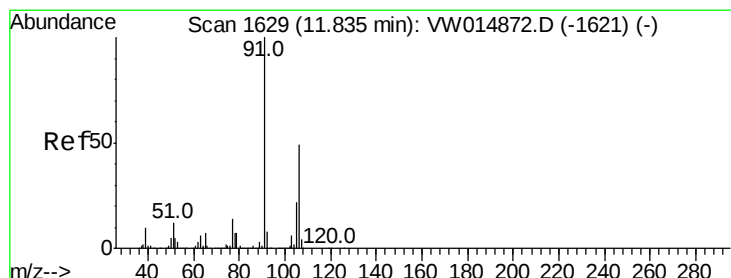
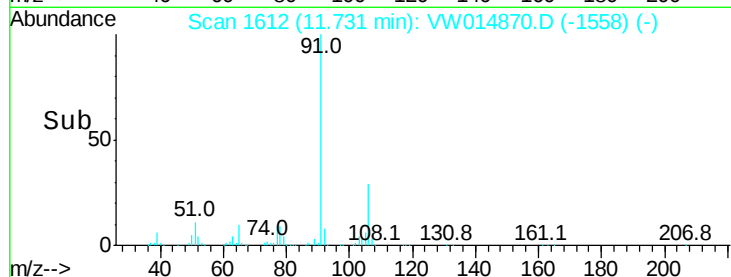
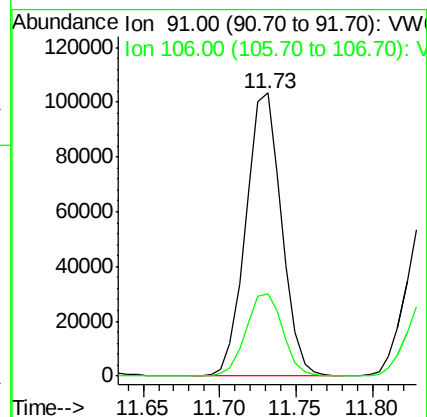
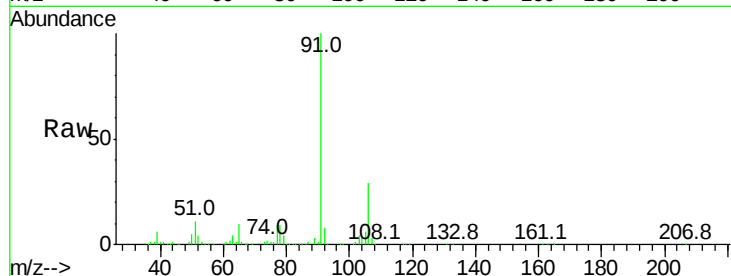
VSTD2.506

Tgt Ion: 91 Resp: 168116

Ion Ratio Lower Upper

91 100

106 29.1 21.5 39.9



#54

m,p-Xylene

Concen: 2.374 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014870.D

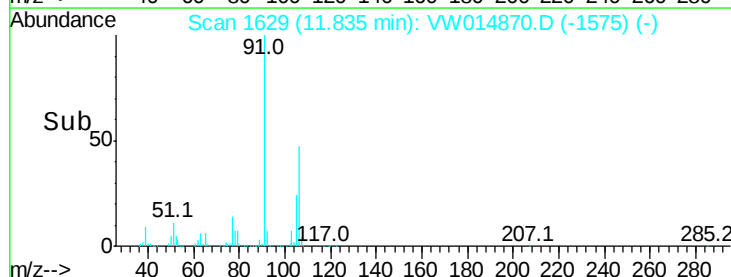
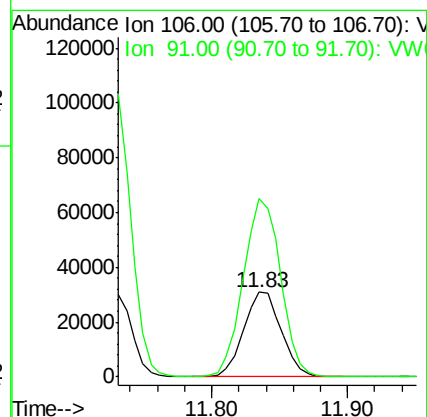
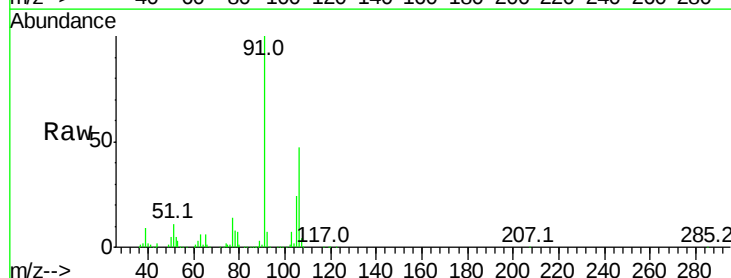
Acq: 05 Feb 2020 13:22

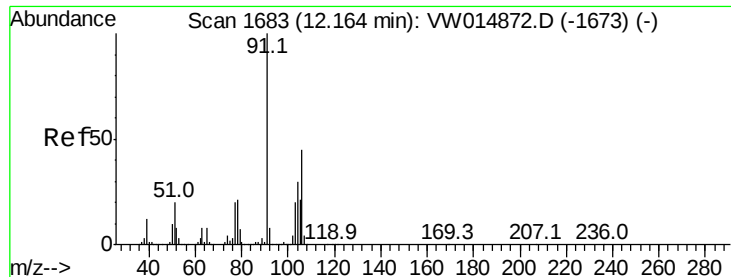
Tgt Ion: 106 Resp: 59679

Ion Ratio Lower Upper

106 100

91 211.2 143.4 266.4





#55

o-xylene

Concen: 2.359 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampled :

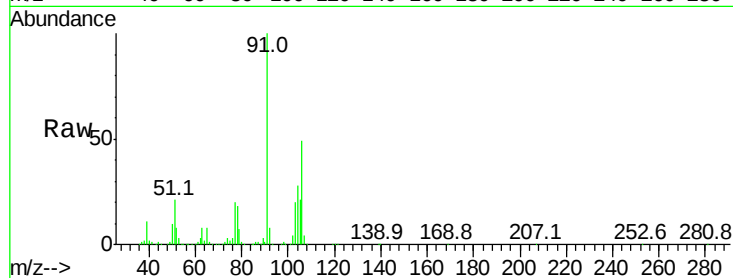
VSTD2.506

Tgt Ion:106 Resp: 55260

Ion Ratio Lower Upper

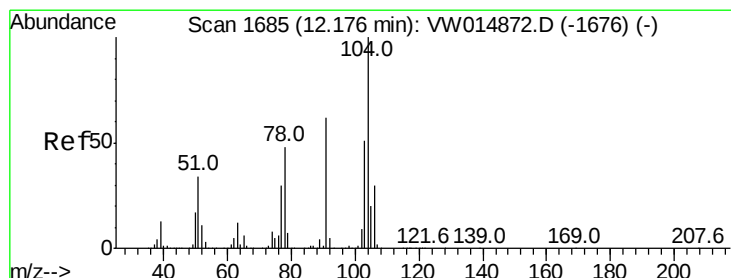
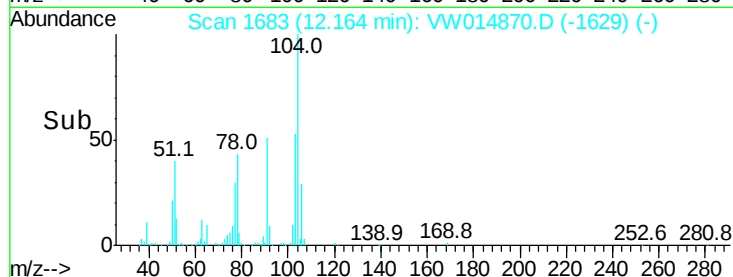
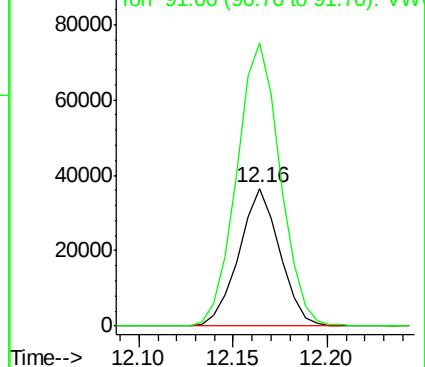
106 100

91 205.3 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.259 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014870.D

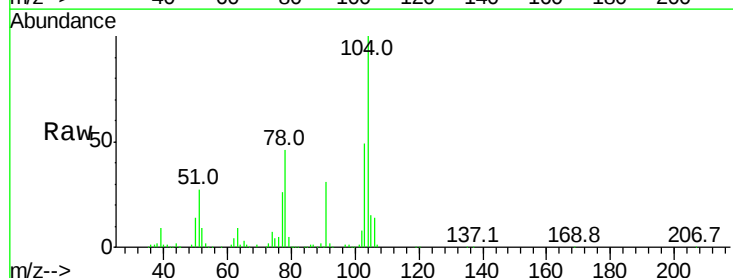
Acq: 05 Feb 2020 13:22

Tgt Ion:104 Resp: 90088

Ion Ratio Lower Upper

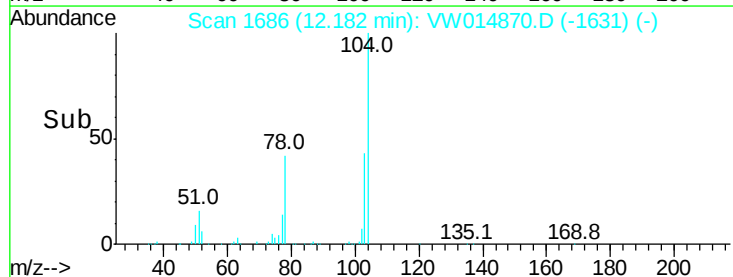
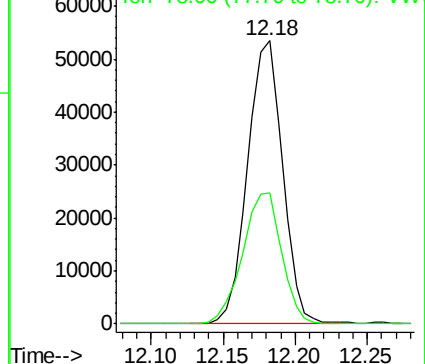
104 100

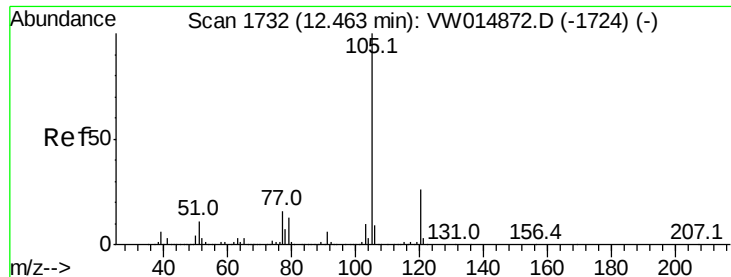
78 46.3 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.347 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

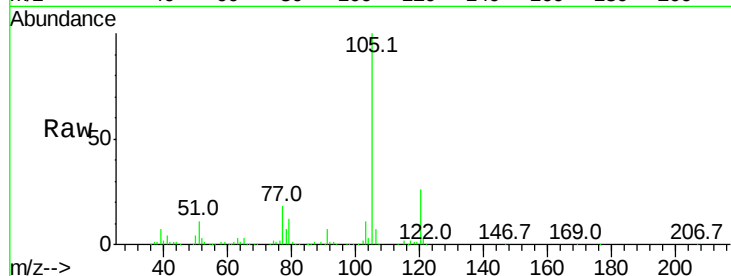
Tgt Ion:105 Resp: 148660

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

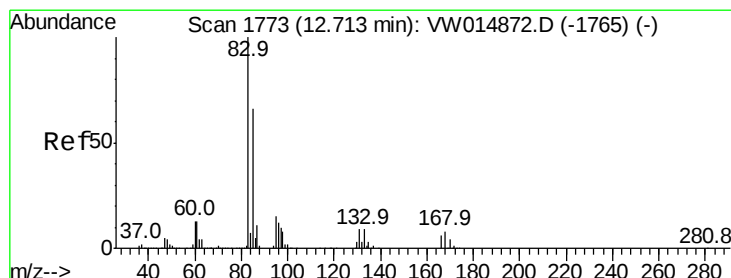
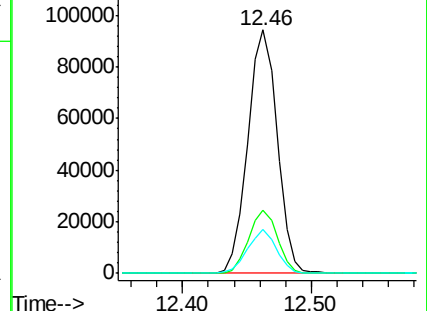
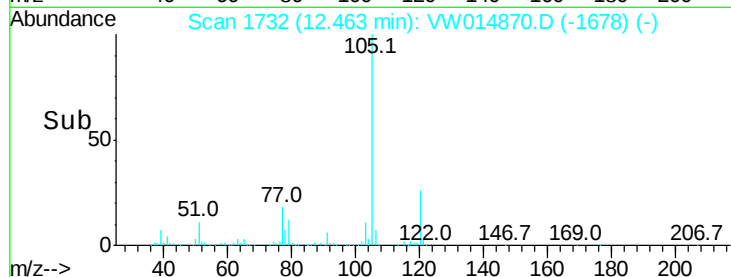
77 17.6 13.1 19.7



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: 2.165 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

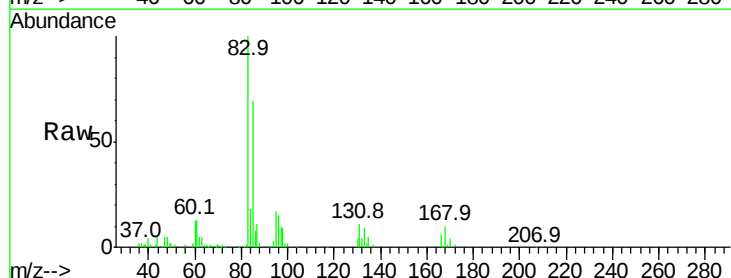
Tgt Ion: 83 Resp: 32139

Ion Ratio Lower Upper

83 100

85 69.1 45.9 85.3

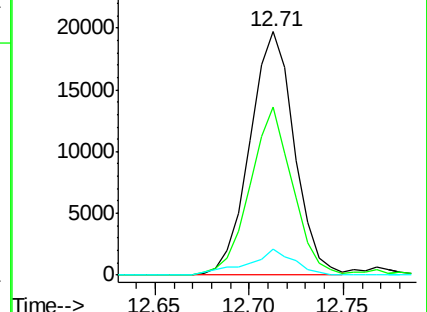
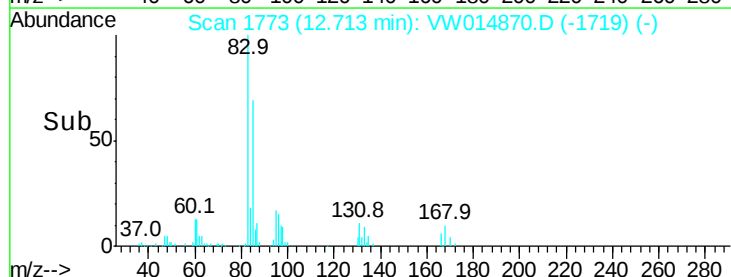
131 10.6 7.3 10.9

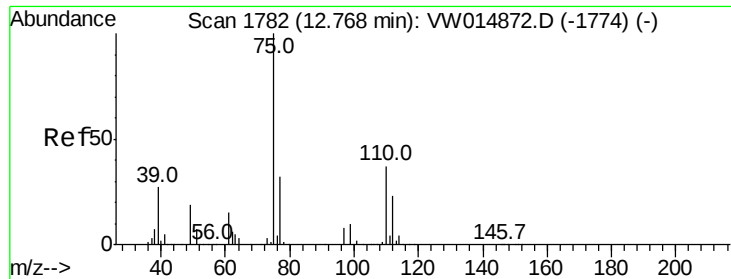


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.169 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampleId :

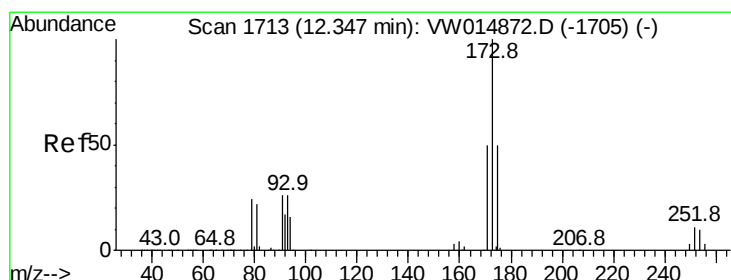
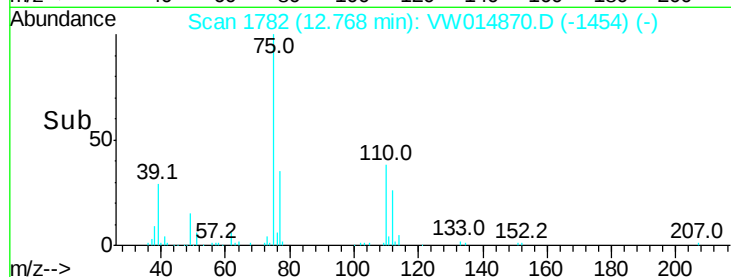
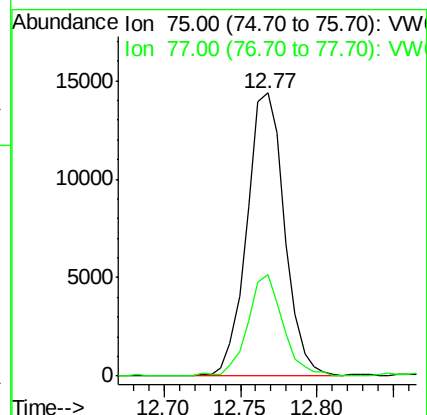
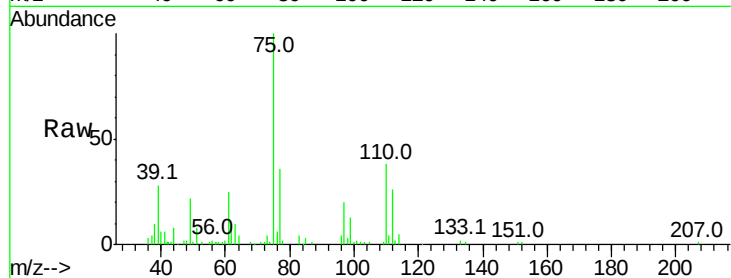
VSTD2.506

Tgt Ion: 75 Resp: 24656

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



#62

Bromoform

Concen: 2.187 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

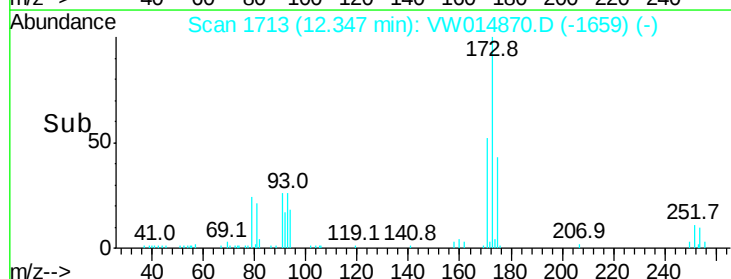
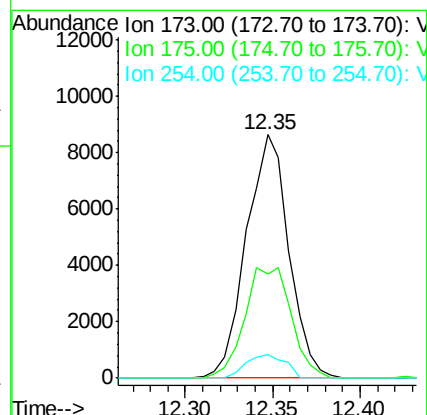
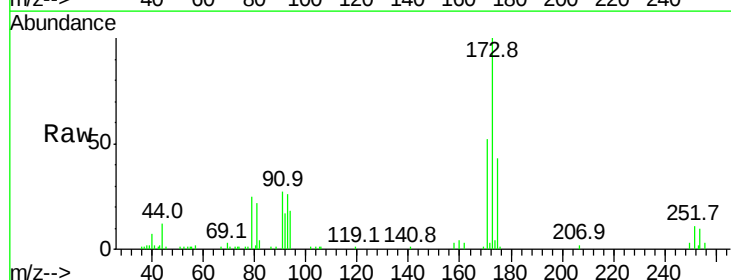
Tgt Ion: 173 Resp: 14612

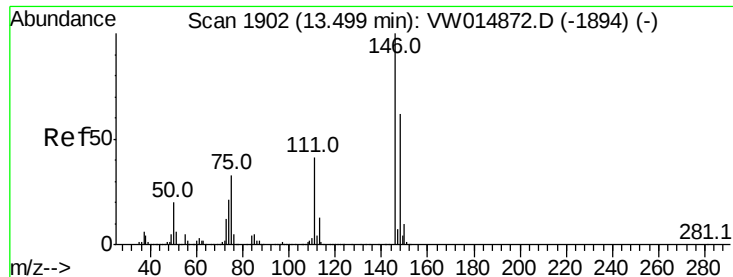
Ion Ratio Lower Upper

173 100

175 49.5 38.9 58.3

254 8.9 7.8 11.8

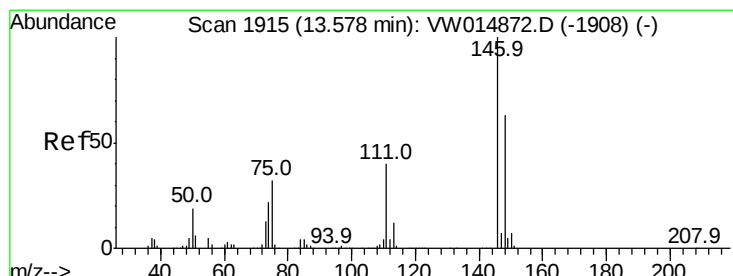
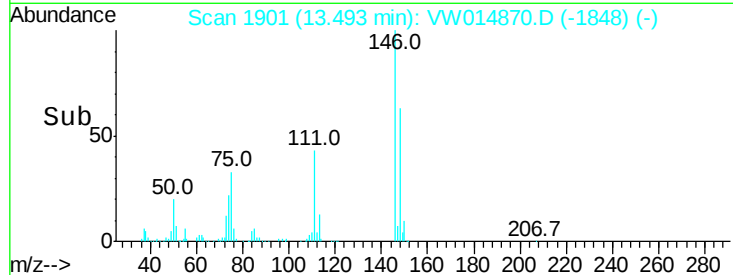
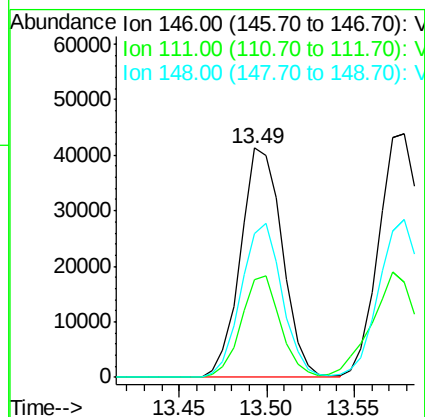
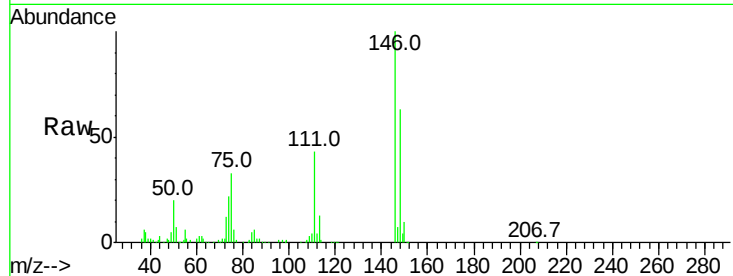




#63
 1,3-Dichlorobenzene
 Concen: 2.533 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

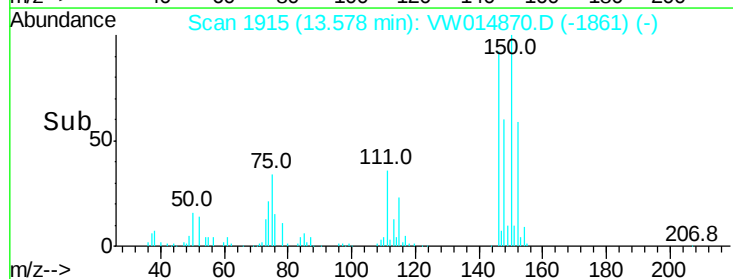
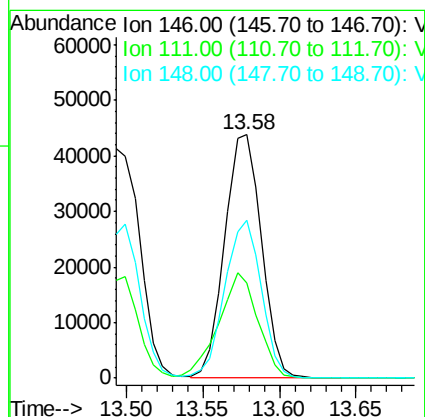
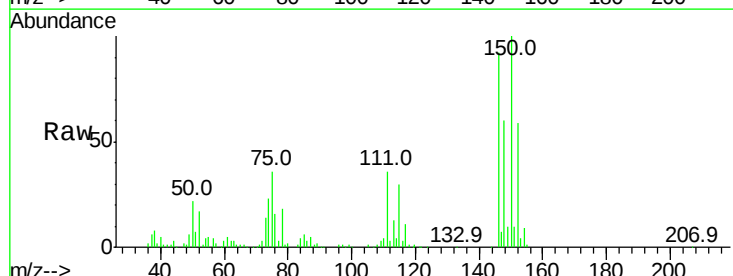
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

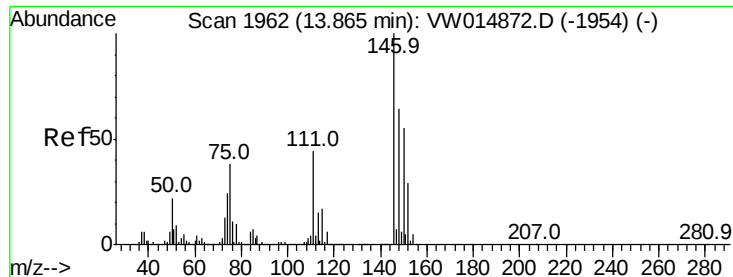
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	28.6	53.0
148	62.9	43.3	80.5



#64
 1,4-Dichlorobenzene
 Concen: 2.686 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.9	51.7
148	64.6	44.0	81.8

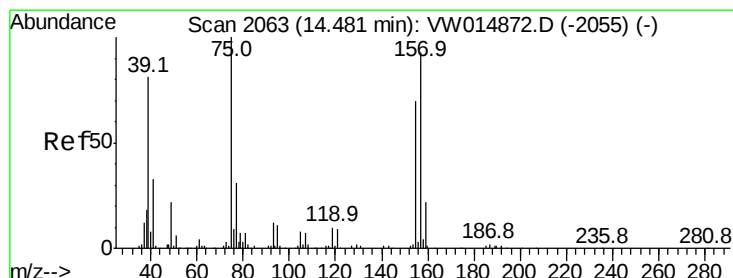
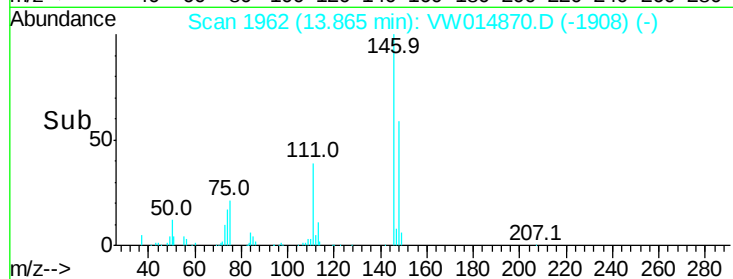
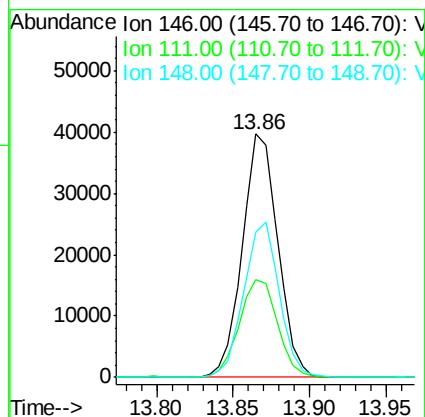
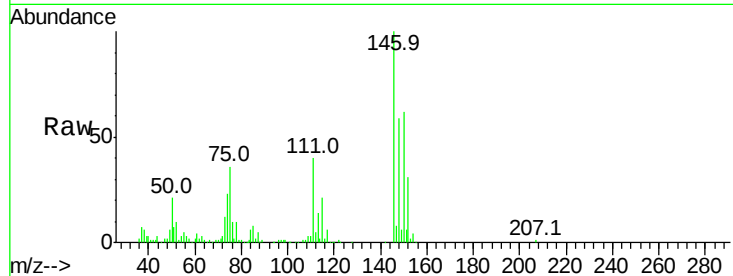




#65
 1,2-Dichlorobenzene
 Concen: 2.599 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

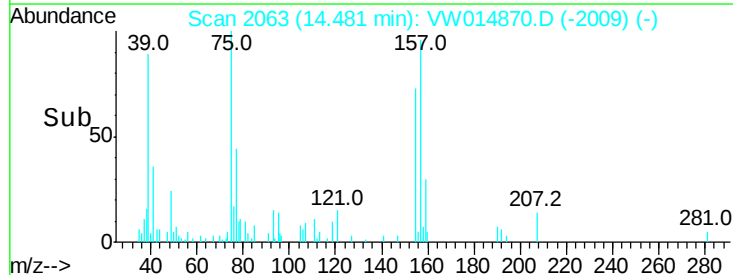
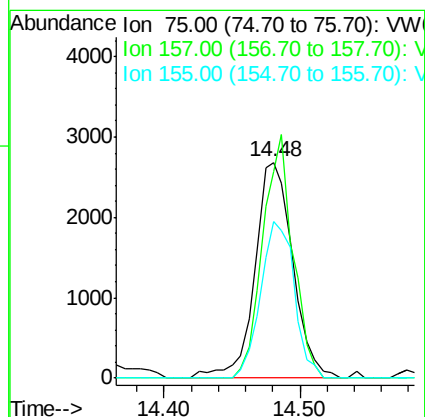
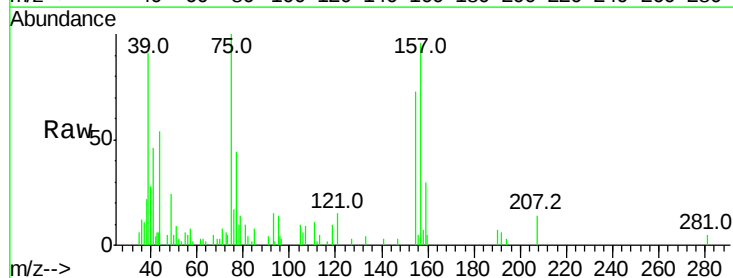
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

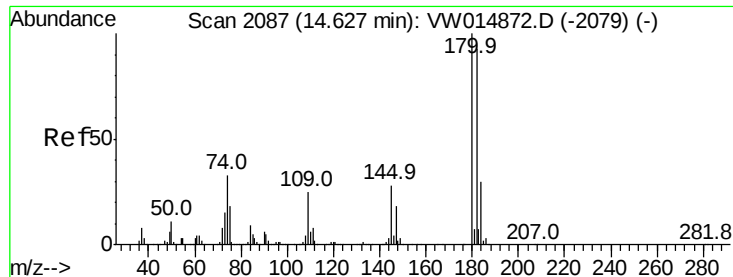
Tgt Ion: 146 Resp: 64154
 Ion Ratio Lower Upper
 146 100
 111 39.9 35.0 52.6
 148 59.4 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.176 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

Tgt Ion: 75 Resp: 5242
 Ion Ratio Lower Upper
 75 100
 157 95.9 74.2 111.4
 155 72.7 56.1 84.1

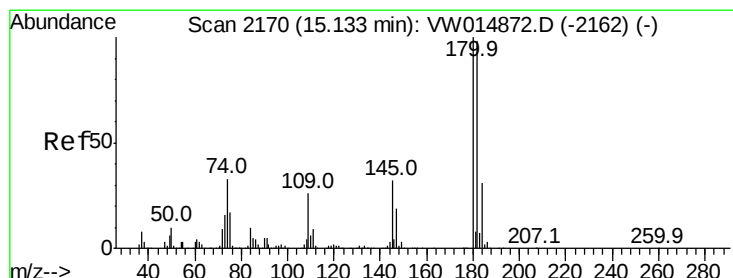
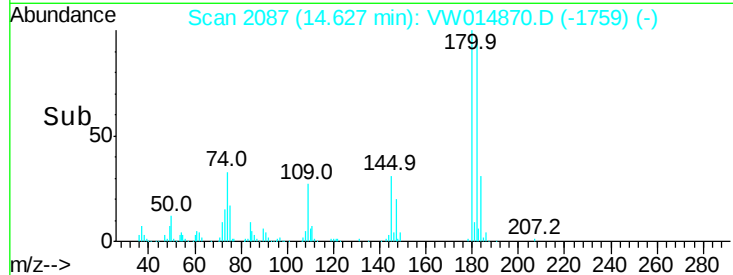
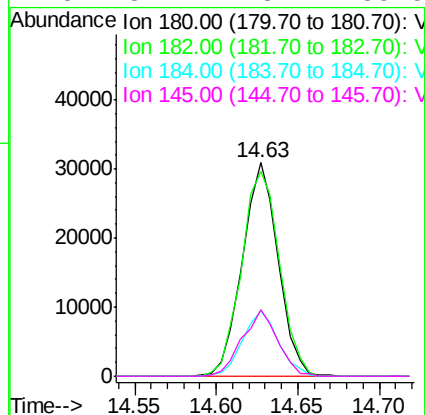
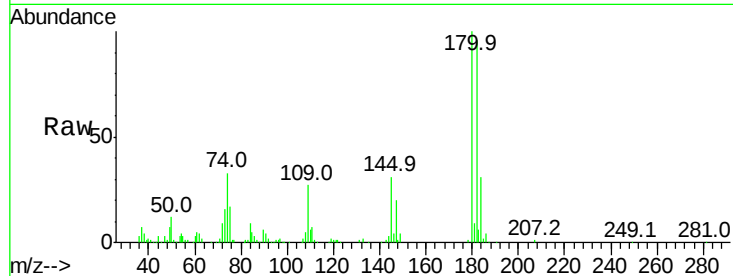




#67
 1,3,5-Trichlorobenzene
 Concen: 2.454 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

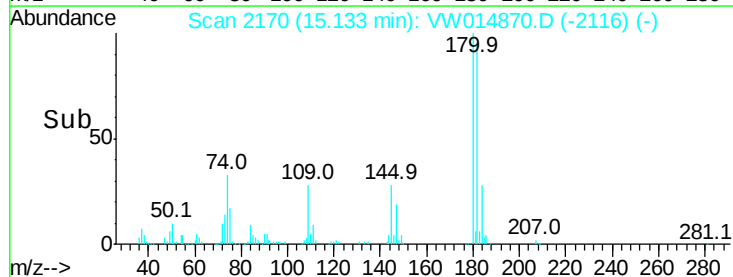
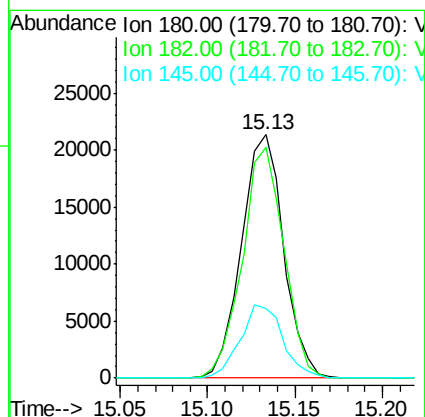
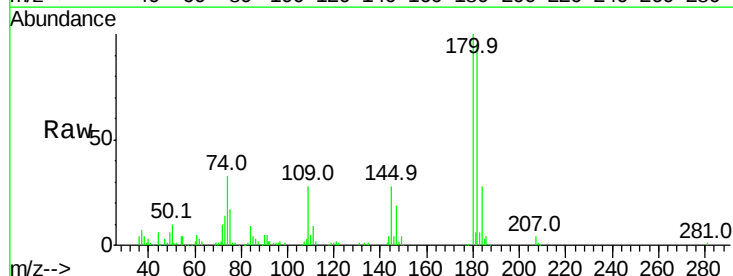
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

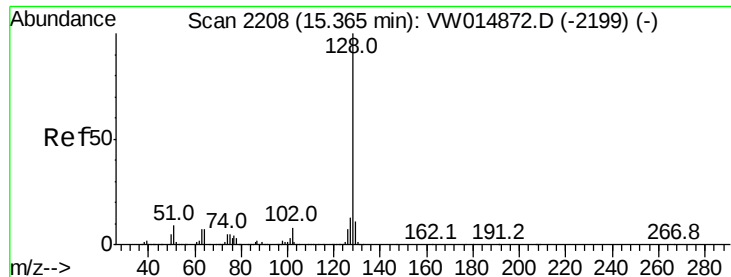
Tgt Ion:	180	Resp:	47133
Ion	Ratio	Lower	Upper
180	100		
182	102.4	75.5	113.3
184	30.8	24.6	36.8
145	31.1	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 2.392 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014870.D
 Acq: 05 Feb 2020 13:22

Tgt Ion:	180	Resp:	35892
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.4	114.6
145	30.5	24.6	37.0





#69

Naphthalene

Concen: 2.003 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

Instrument :

MSVOA_W

ClientSampled :

VSTD2.506

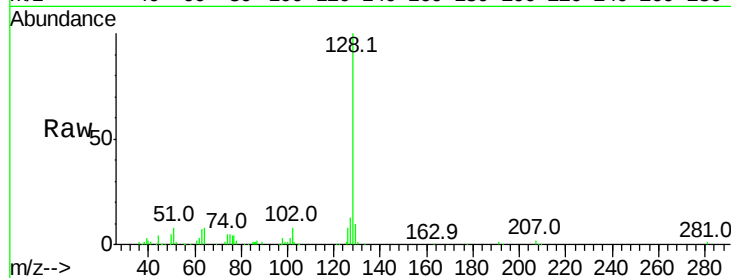
Tgt Ion:128 Resp: 60998

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

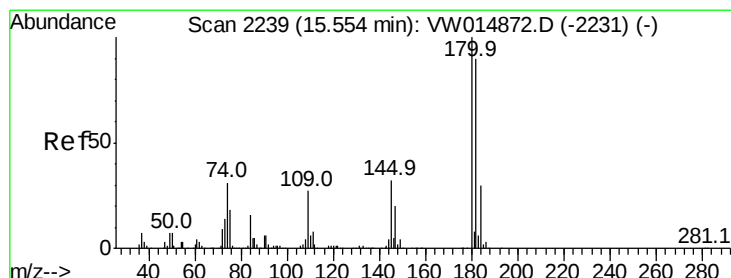
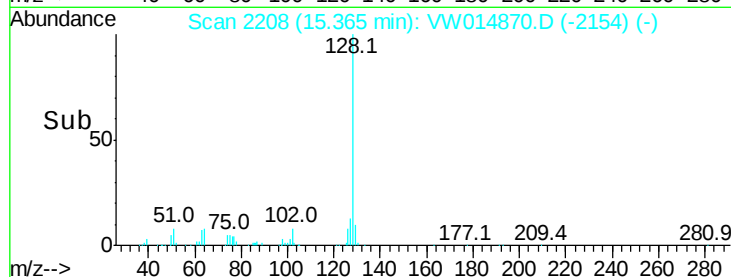
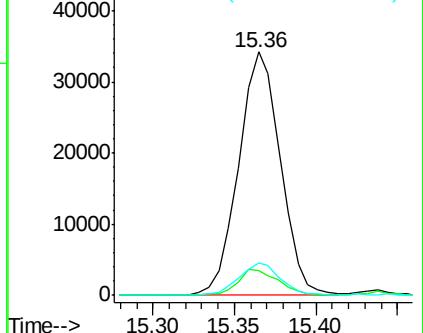
127 13.3 10.5 15.7



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: 2.428 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014870.D

Acq: 05 Feb 2020 13:22

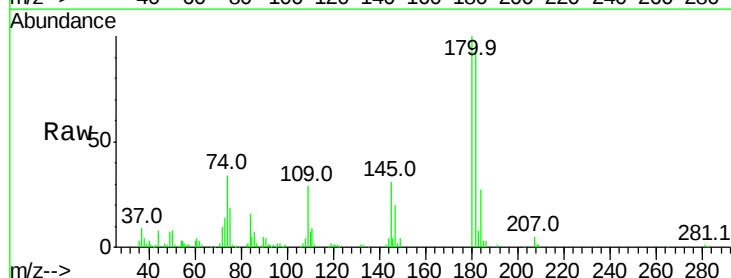
Tgt Ion:180 Resp: 33678

Ion Ratio Lower Upper

180 100

182 94.1 75.3 112.9

145 33.8 26.0 39.0



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

