

Data File : VW014970.D
Acq On : 13 Feb 2020 09:47
Operator : SY/VA
Sample : VSTD2.501
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5301

Quant Time: Feb 13 11:46:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	605850	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	562116	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	226261	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	34108	4.10	ug/L	0.00
7) Chloroethane-d5	2.89	69	25507	3.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.02	63	58284	3.97	ug/L	0.00
21) 2-Butanone-d5	7.08	46	15023	4.10	ug/L	0.00
24) Chloroform-d	7.65	84	53682	3.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	31898	4.02	ug/L	0.00
32) Benzene-d6	8.27	84	98398	3.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	34643	3.74	ug/L	0.00
41) Toluene-d8	10.32	98	74611	2.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.57	79	11396	2.44	ug/L	0.00
47) 2-Hexanone-d5	10.92	63	7728	2.41	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	24616	2.45	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	22662	2.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	15699	1.658 ug/L #	89
3) Chloromethane	2.21	50	33922	3.279 ug/L	100
5) Vinyl chloride	2.36	62	41898	3.850 ug/L	97
6) Bromomethane	2.78	94	19006	3.001 ug/L	90
8) Chloroethane	2.93	64	21895	3.487 ug/L	86
9) Trichlorofluoromethane	3.26	101	16134	1.263 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	26175	3.300 ug/L	99
12) 1,1-Dichloroethene	4.04	96	23176	2.962 ug/L	87
13) Acetone	4.12	43	19107	4.517 ug/L	99
14) Carbon disulfide	4.38	76	87614	3.315 ug/L	100
16) Methylene chloride	4.92	84	35867	3.544 ug/L	96
17) trans-1,2-Dichloroethene	5.42	96	12722	1.452 ug/L	89
18) Methyl tert-butyl Ether	5.42	73	25045	1.035 ug/L #	85
19) 1,1-Dichloroethane	6.21	63	54266	3.627 ug/L	98
20) cis-1,2-Dichloroethene	7.16	96	22873	2.377 ug/L	87
22) 2-Butanone	7.17	43	18208	3.438 ug/L	98
23) Bromochloromethane	7.51	128	10040	2.360 ug/L	93
25) Chloroform	7.67	83	48286	3.262 ug/L	95
27) 1,2-Dichloroethane	8.40	62	35029	3.337 ug/L	98
29) Cyclohexane	7.95	56	38347	2.444 ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	36184	2.869 ug/L	97
31) Carbon tetrachloride	8.07	117	32028	2.880 ug/L	99
33) Benzene	8.32	78	102617	2.864 ug/L	100
34) Trichloroethene	9.09	95	25827	2.825 ug/L	93
35) Methylcyclohexane	9.33	83	38879	2.307 ug/L	96
37) 1,2-Dichloropropane	9.37	63	29357	3.252 ug/L	99
38) Bromodichloromethane	9.64	83	33913	2.934 ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	33815	2.211 ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	30602	3.122 ug/L	97
42) Toluene	10.38	91	91120	2.349 ug/L	96

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Instrument :
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ClientSampleId :
VSTD2.5301

Quant Time: Feb 13 11:46:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.60	75	28023	2.154	ug/L	92
45) 1,1,2-Trichloroethane	10.79	97	17761	2.284	ug/L	95
46) Tetrachloroethene	10.86	164	16301	2.318	ug/L	91
48) 2-Hexanone	10.96	43	20759	2.761	ug/L	95
49) Dibromochloromethane	11.12	129	17665	2.102	ug/L	99
50) 1,2-Dibromoethane	11.23	107	14986	1.908	ug/L #	99
51) Chlorobenzene	11.66	112	59592	2.424	ug/L	99
52) Ethylbenzene	11.73	91	95742	2.201	ug/L	100
53) m,p-Xylene	11.84	106	31906	1.888	ug/L	95
54) o-Xylene	12.16	106	30087	1.858	ug/L	92
55) Styrene	12.18	104	48005	1.694	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.71	83	22020	2.020	ug/L	92
59) Bromoform	12.35	173	8643	1.807	ug/L #	97
60) Isopropylbenzene	12.46	105	79196	2.197	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	16638	2.365	ug/L	94
62) 1,3,5-Trimethylbenzene	12.94	105	57613	1.931	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	54050	1.831	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	36715	2.296	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	39263	2.446	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	34137	2.307	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.49	75	3107	1.750	ug/L	90
69) 1,3,5-Trichlorobenzene	14.63	180	23474	2.137	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	15032	1.502	ug/L	99
71) Naphthalene	15.36	128	12347	0.443	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.55	180	13389	1.434	ug/L	91

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

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Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5301

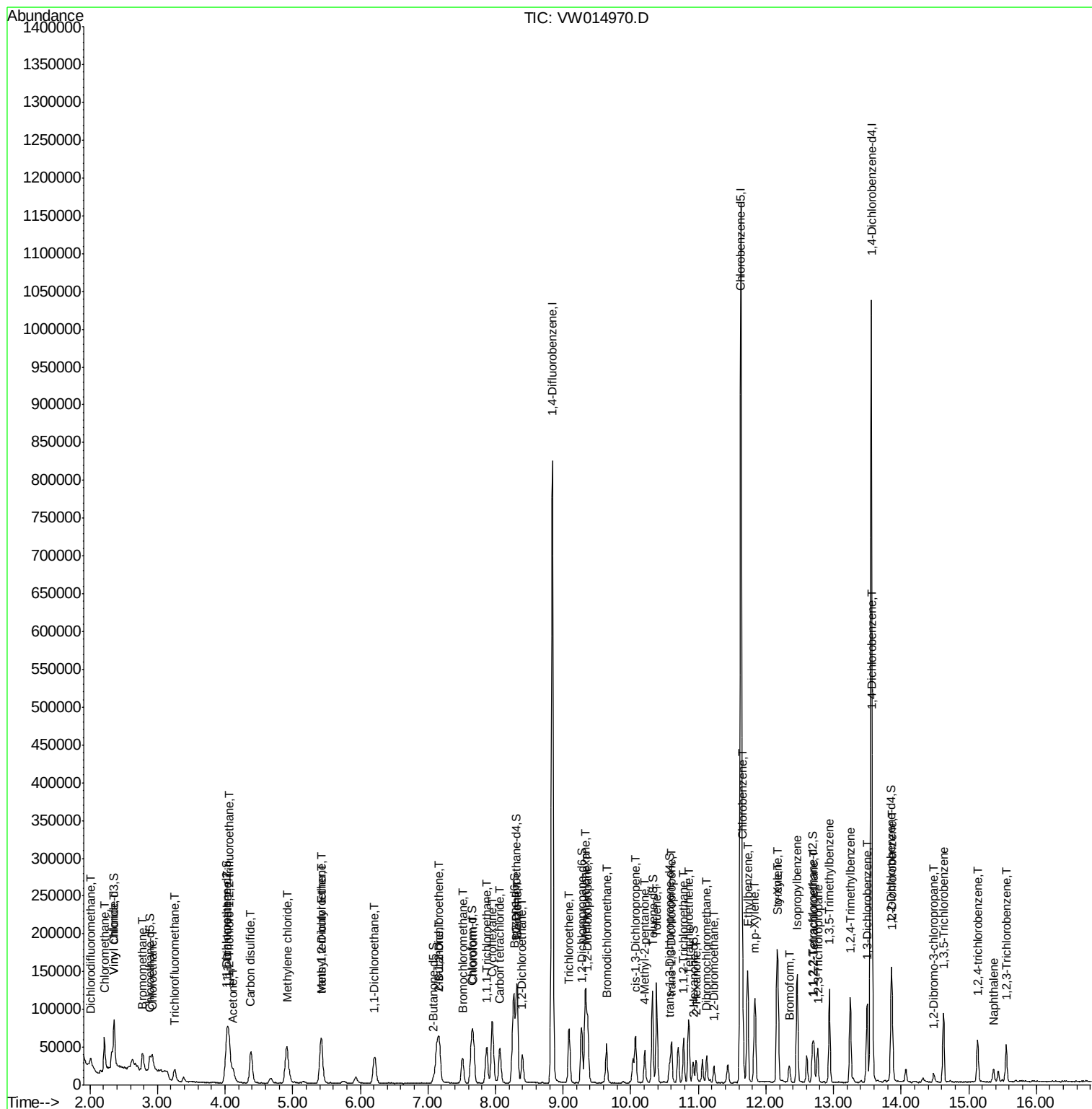
Quant Time: Feb 13 11:46:56 2020

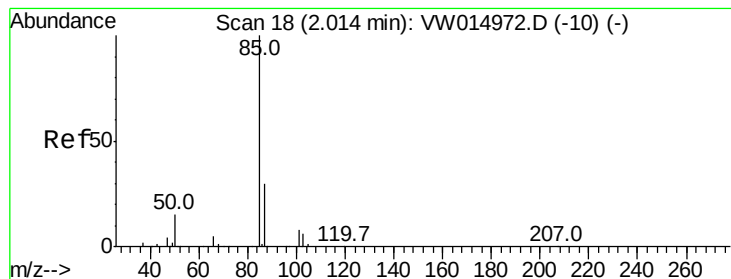
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Thu Feb 13 11:44:58 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.658 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

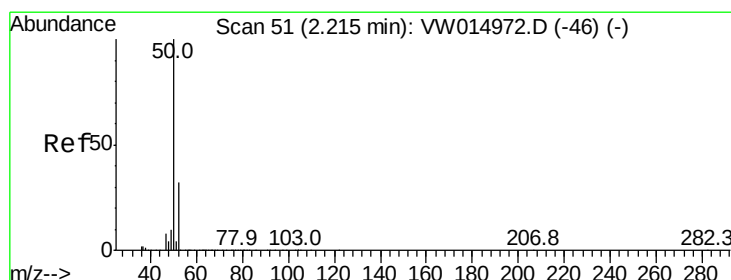
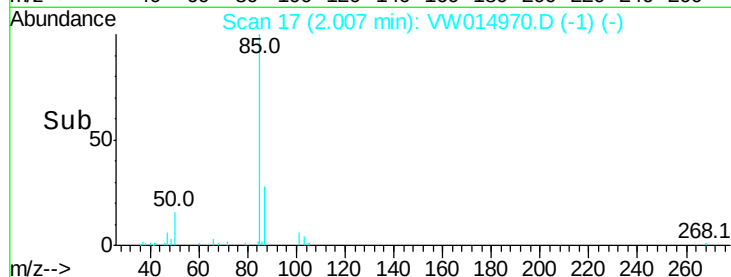
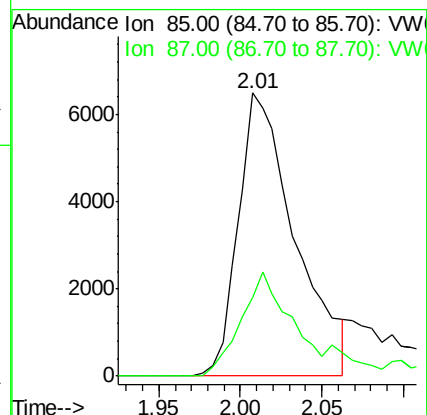
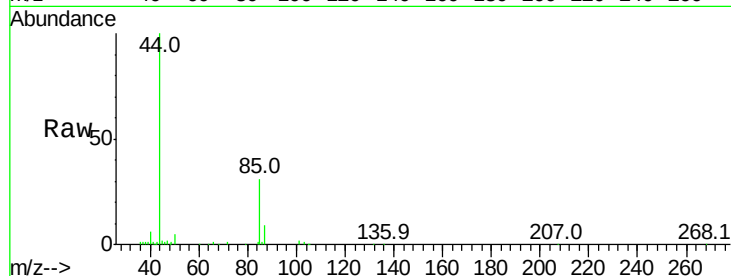
VSTD2.5301

Tgt Ion: 85 Resp: 15699

Ion Ratio Lower Upper

85 100

87 32.4 21.5 32.3#



#3

Chloromethane

Concen: 3.279 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014970.D

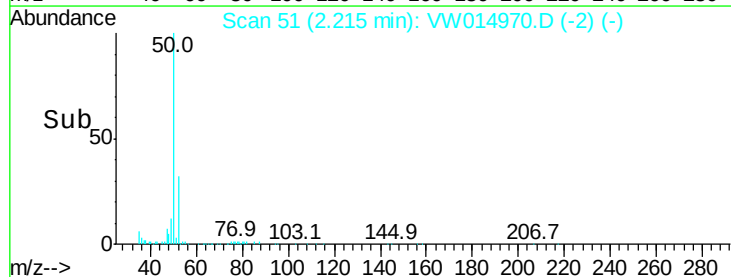
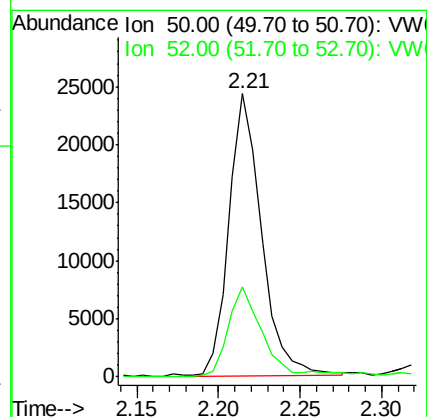
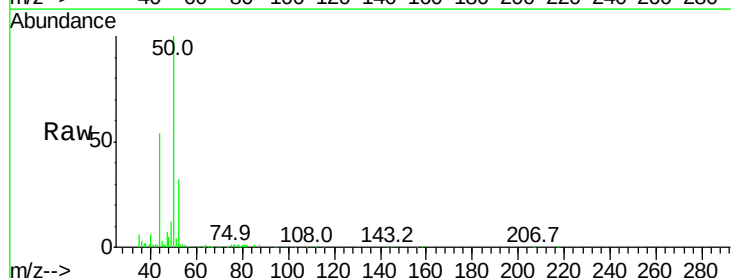
Acq: 13 Feb 2020 09:47

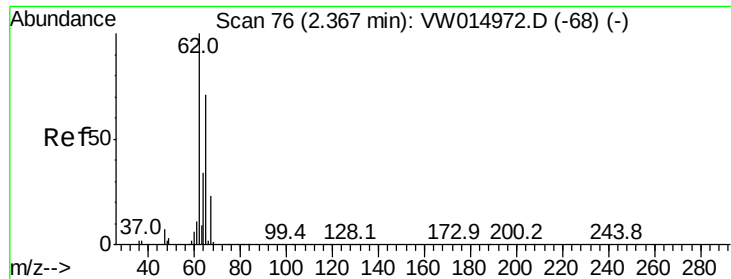
Tgt Ion: 50 Resp: 33922

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.3





#5

Vinyl chloride

Concen: 3.850 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

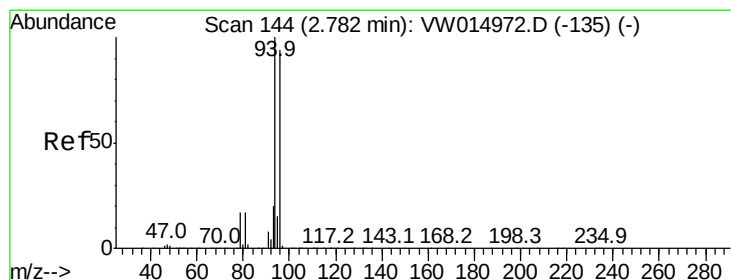
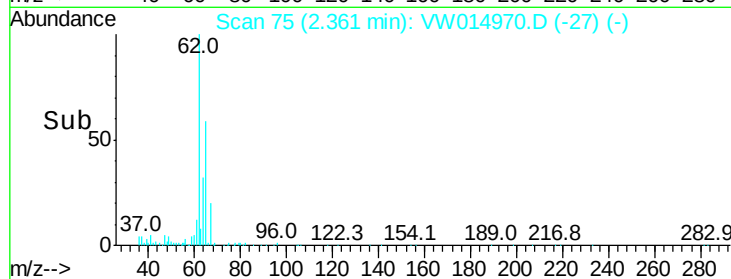
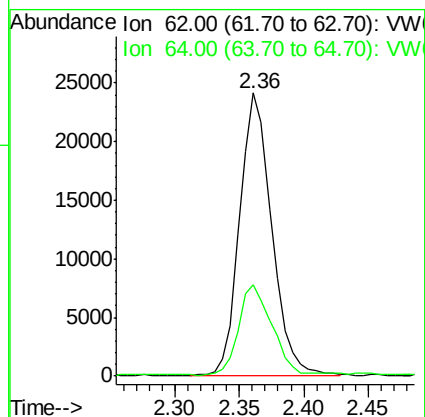
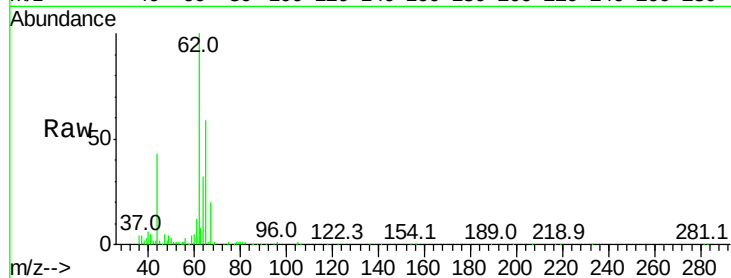
VSTD2.5301

Tgt Ion: 62 Resp: 41898

Ion Ratio Lower Upper

62 100

64 32.1 23.6 43.8



#6

Bromomethane

Concen: 3.001 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014970.D

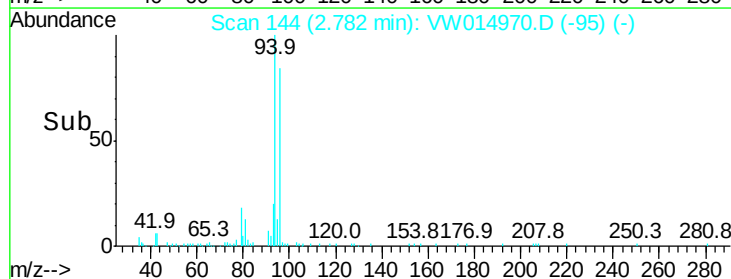
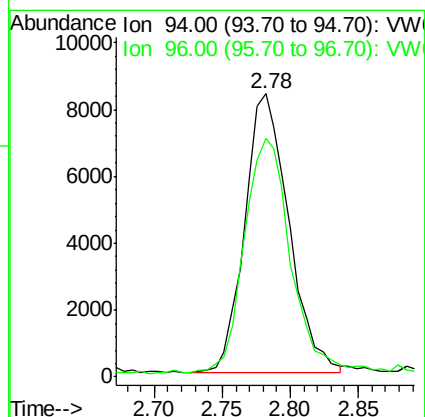
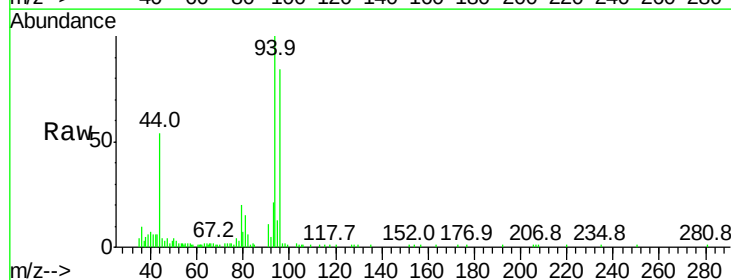
Acq: 13 Feb 2020 09:47

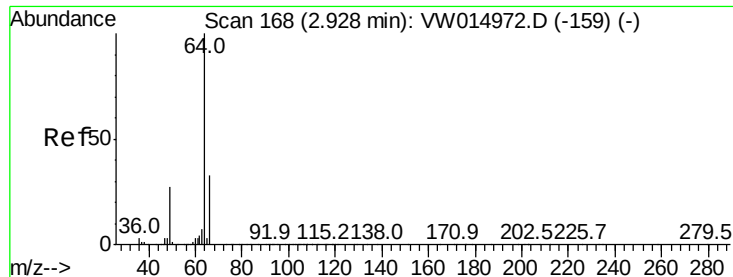
Tgt Ion: 94 Resp: 19006

Ion Ratio Lower Upper

94 100

96 84.4 65.8 122.2





#8

Chloroethane

Concen: 3.487 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

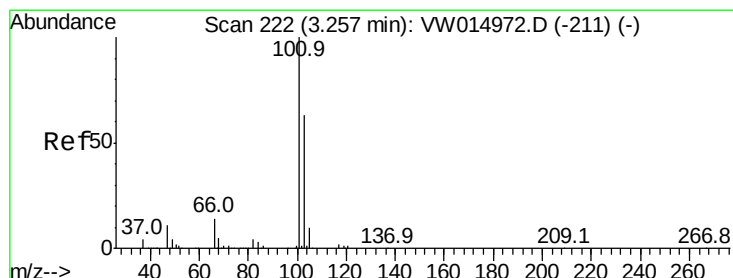
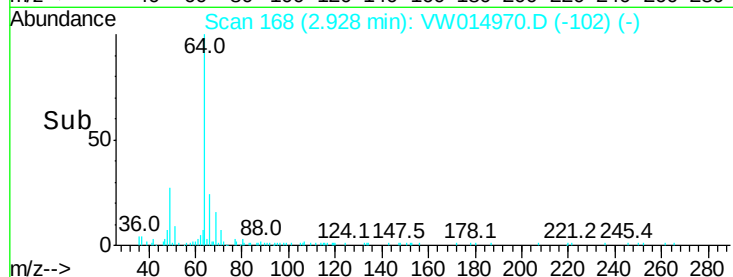
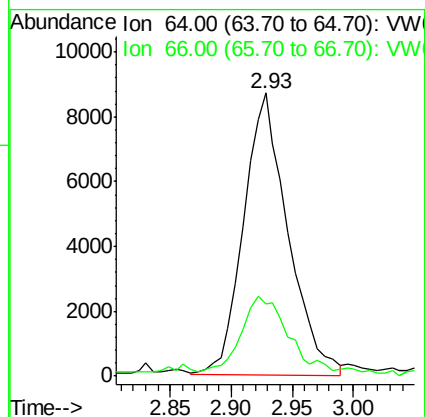
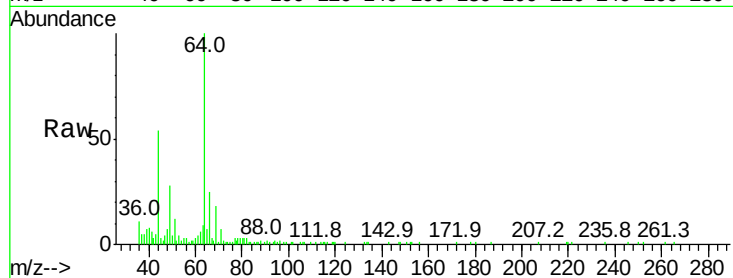
VSTD2.5301

Tgt Ion: 64 Resp: 21895

Ion Ratio Lower Upper

64 100

66 25.4 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.263 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014970.D

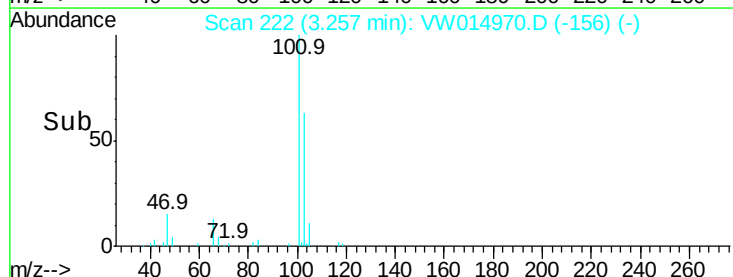
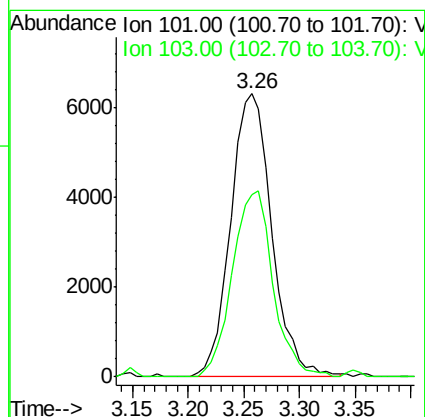
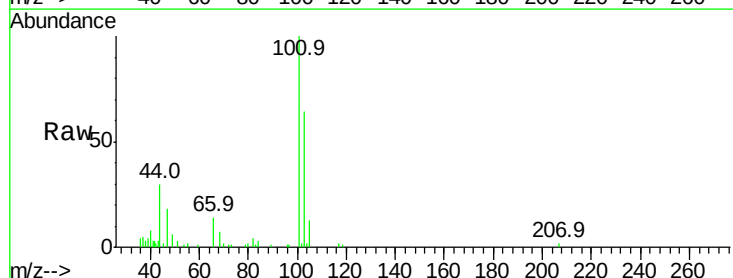
Acq: 13 Feb 2020 09:47

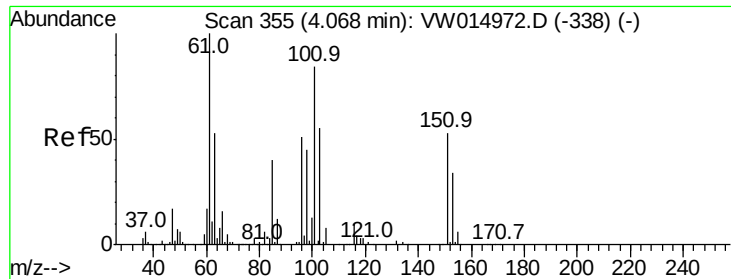
Tgt Ion: 101 Resp: 16134

Ion Ratio Lower Upper

101 100

103 64.9 51.5 77.3





#10

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

Concen: 3.300 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

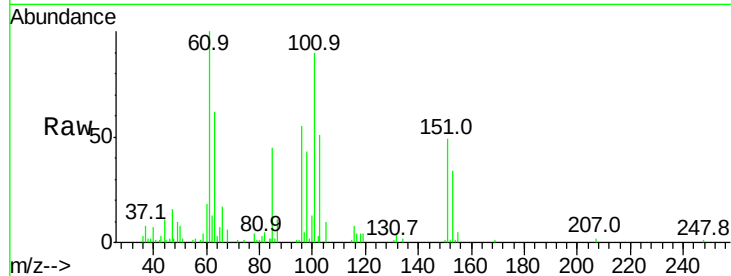
Tgt Ion: 101 Resp: 26175

Ion Ratio Lower Upper

101 100

85 44.6 36.5 54.7

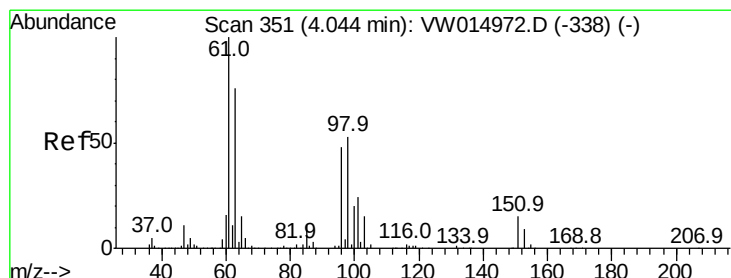
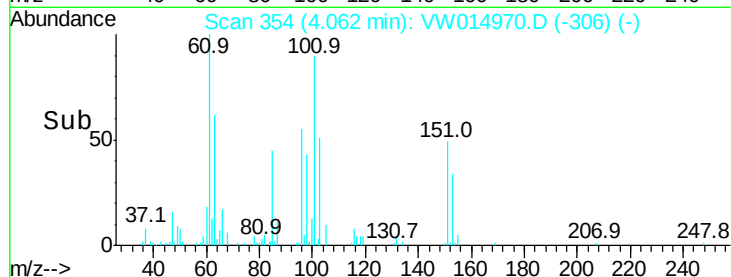
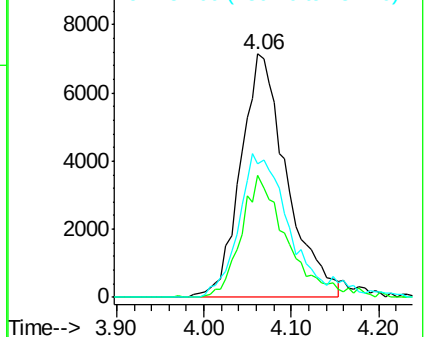
151 62.1 50.2 75.4



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: 2.962 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

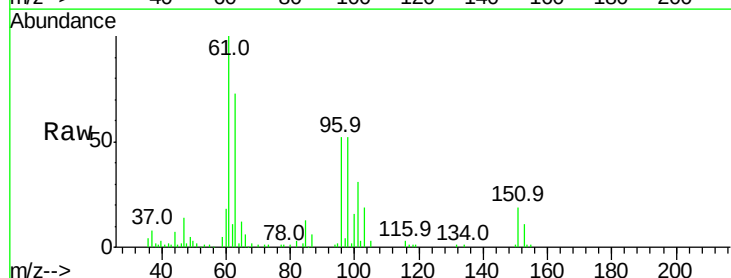
Tgt Ion: 96 Resp: 23176

Ion Ratio Lower Upper

96 100

61 193.6 147.0 273.0

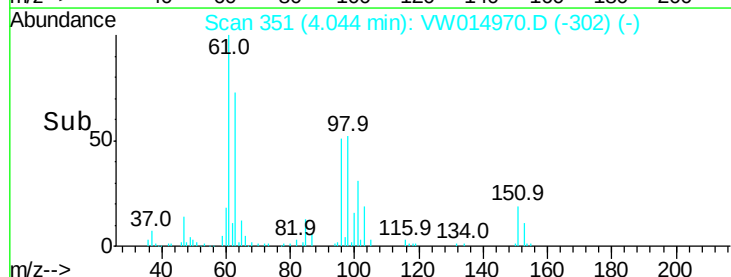
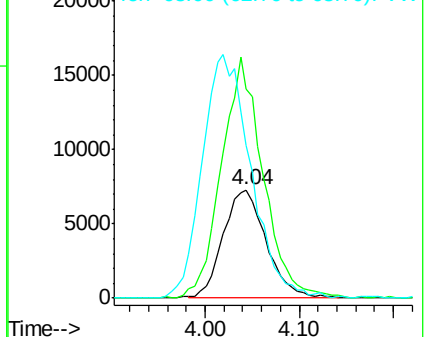
63 141.7 113.4 210.6

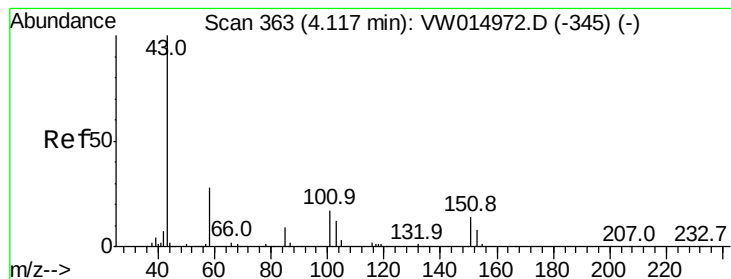


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.517 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

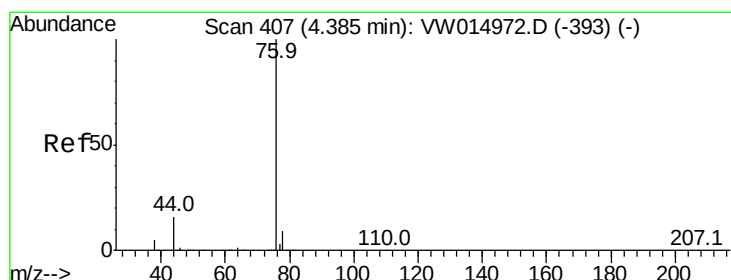
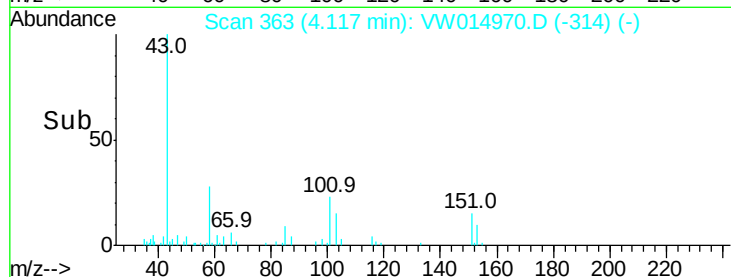
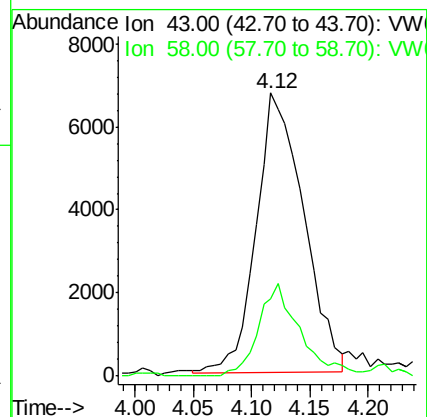
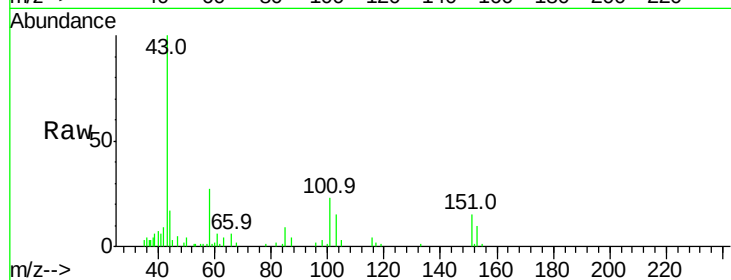
VSTD2.5301

Tgt Ion: 43 Resp: 19107

Ion Ratio Lower Upper

43 100

58 27.0 0.0 54.6



#14

Carbon disulfide

Concen: 3.315 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014970.D

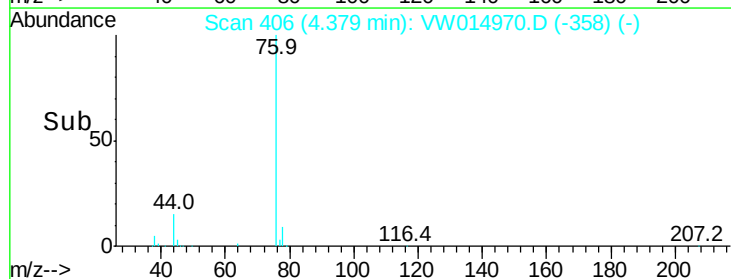
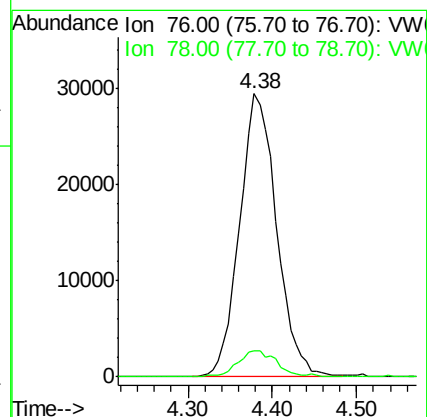
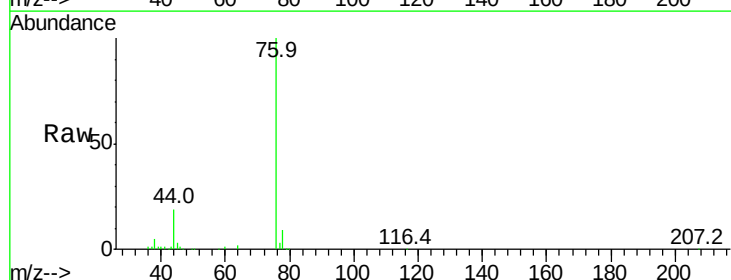
Acq: 13 Feb 2020 09:47

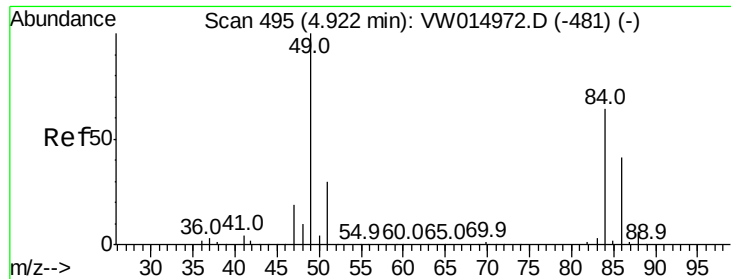
Tgt Ion: 76 Resp: 87614

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

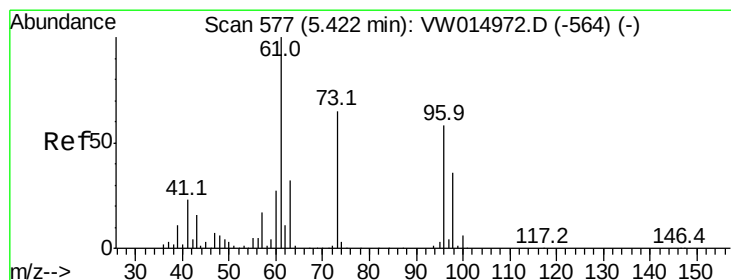
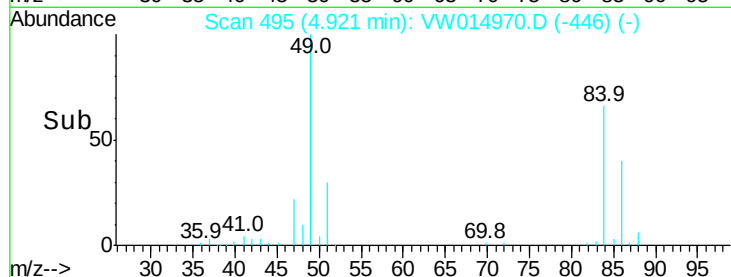
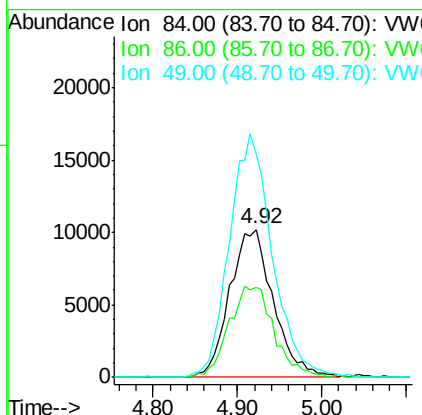
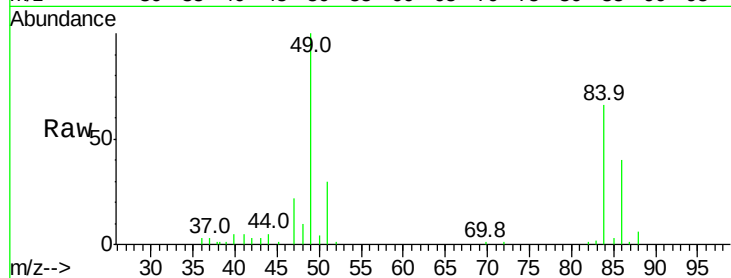




#16
Methylene chloride
Concen: 3.544 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW014970.D
Acq: 13 Feb 2020 09:47

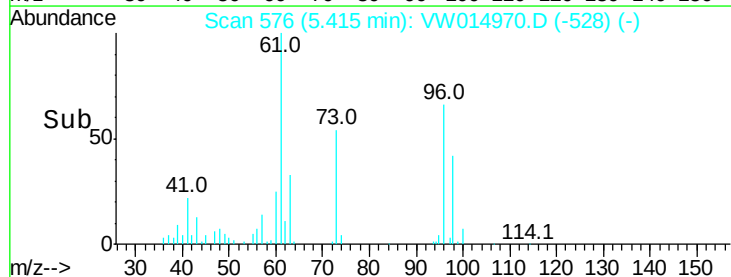
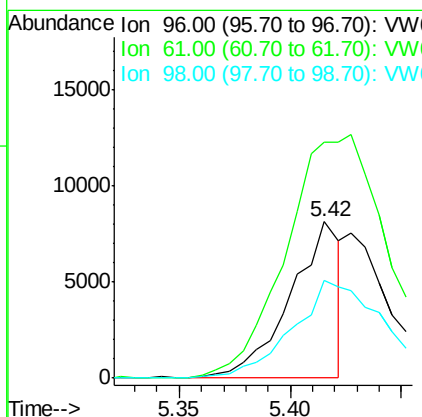
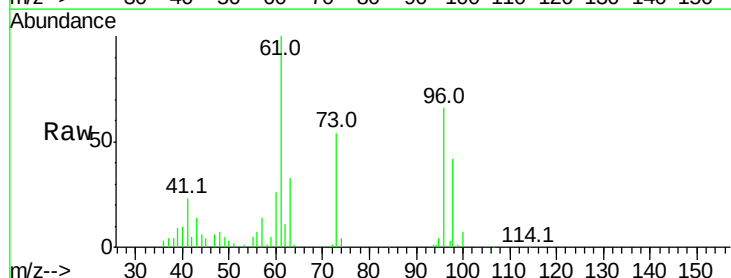
Instrument :
MSVOA_W
ClientSampled :
VSTD2.5301

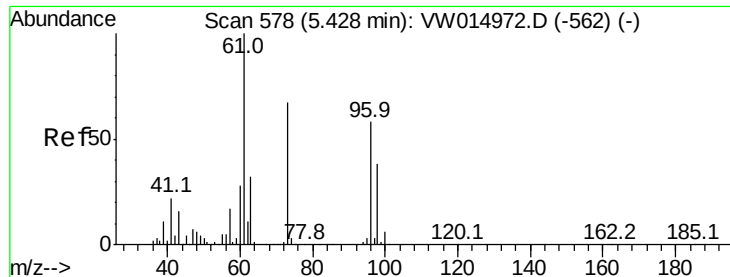
Tgt Ion: 84 Resp: 35867
Ion Ratio Lower Upper
84 100
86 61.1 44.4 82.4
49 150.8 109.0 202.4



#17
trans-1,2-Dichloroethene
Concen: 1.452 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014970.D
Acq: 13 Feb 2020 09:47

Tgt Ion: 96 Resp: 12722
Ion Ratio Lower Upper
96 100
61 150.6 120.1 223.1
98 62.6 43.8 81.3

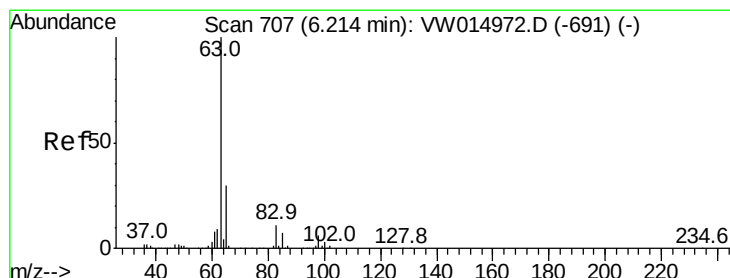
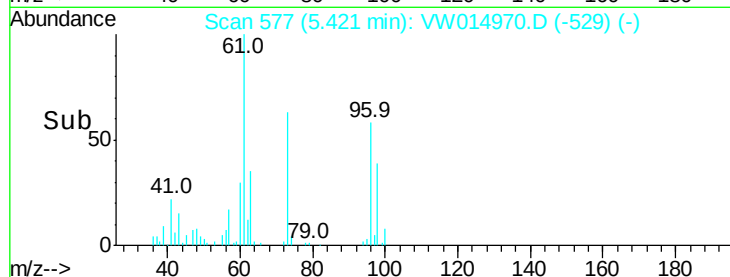
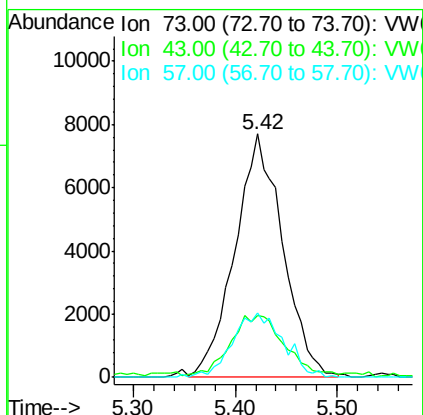
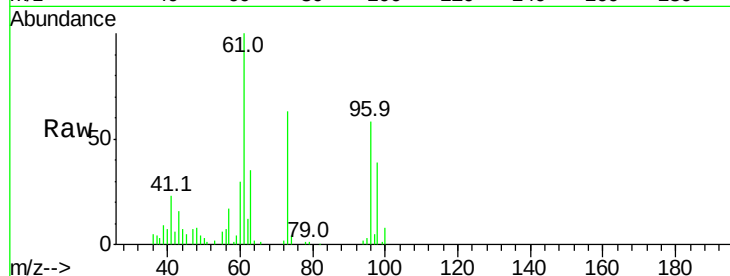




#18
Methyl tert-butyl Ether
Concen: 1.035 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014970.D
Acq: 13 Feb 2020 09:47

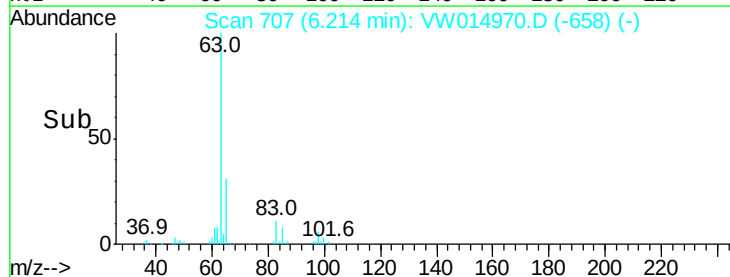
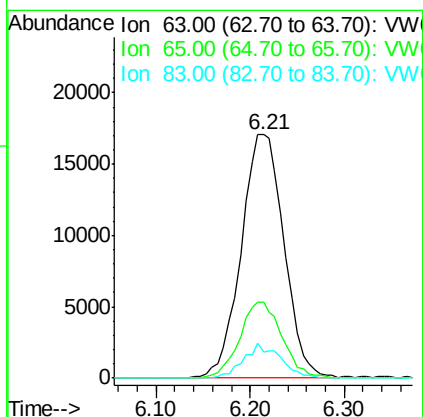
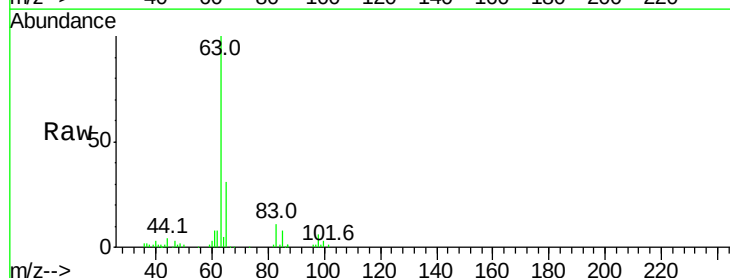
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5301

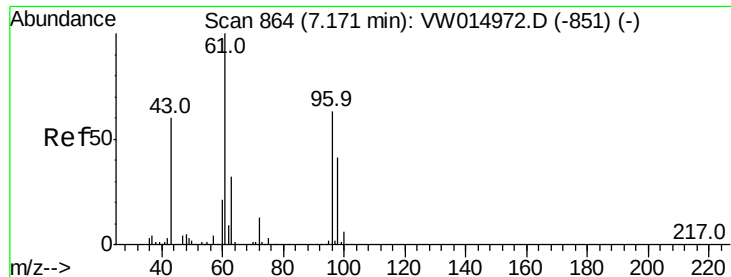
Tgt Ion: 73 Resp: 25045
Ion Ratio Lower Upper
73 100
43 10.3 19.6 29.4#
57 27.1 21.0 31.4



#19
1,1-Dichloroethane
Concen: 3.627 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW014970.D
Acq: 13 Feb 2020 09:47

Tgt Ion: 63 Resp: 54266
Ion Ratio Lower Upper
63 100
65 31.4 20.9 38.7
83 10.7 7.8 14.6

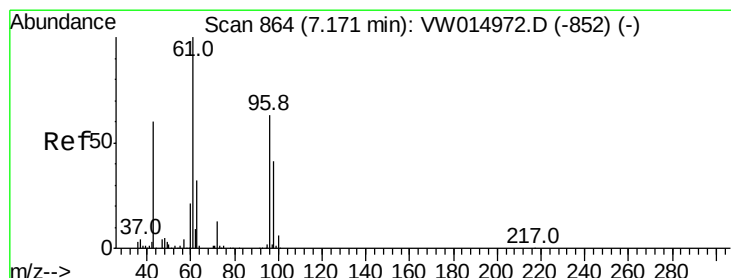
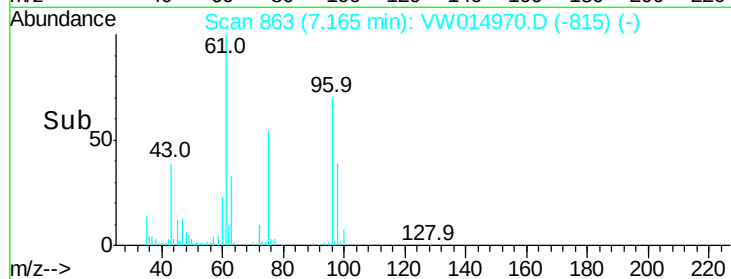
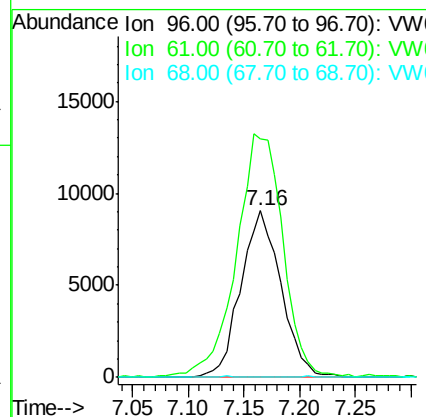
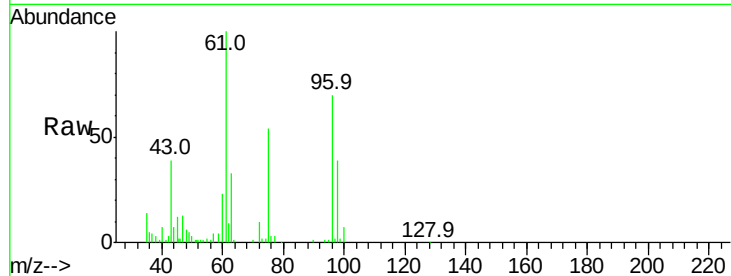




#20
 cis-1,2-Dichloroethene
 Concen: 2.377 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

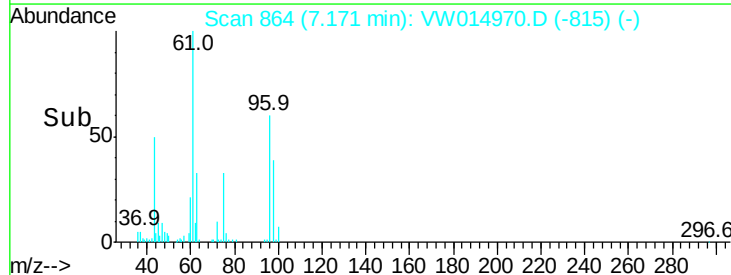
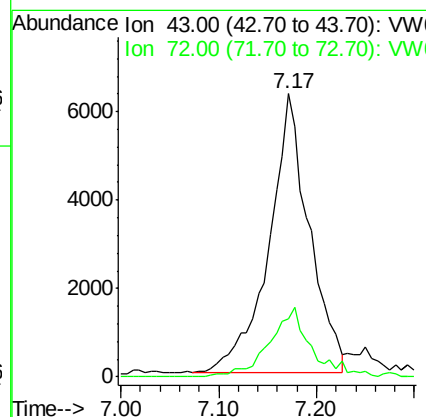
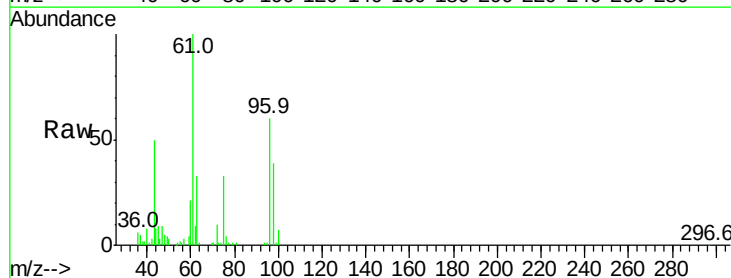
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.5301

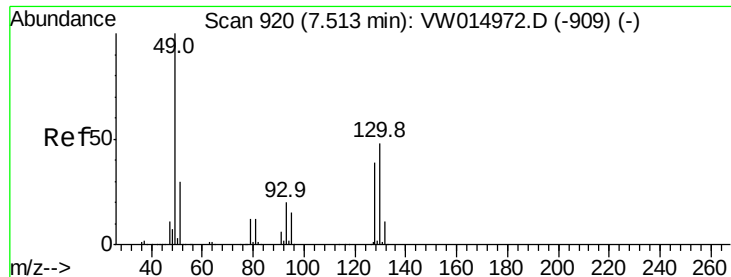
Tgt Ion: 96 Resp: 22873
 Ion Ratio Lower Upper
 96 100
 61 142.7 111.5 207.1
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 3.438 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion: 43 Resp: 18208
 Ion Ratio Lower Upper
 43 100
 72 21.3 11.1 33.1





#23

Bromochloromethane

Concen: 2.360 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

Tgt Ion:128 Resp: 10040

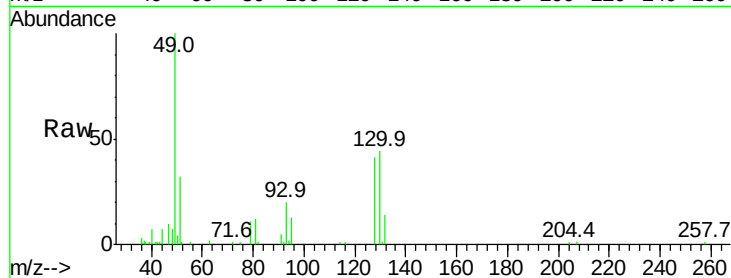
Ion Ratio Lower Upper

128 100

49 244.9 179.0 332.4

130 106.7 85.5 158.7

51 78.8 61.7 92.5

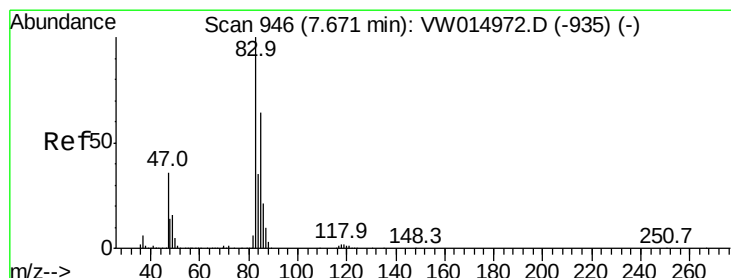
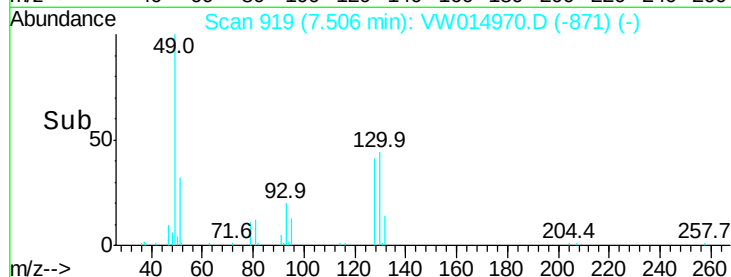
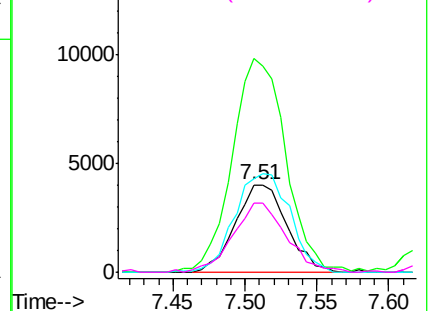


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV



#25

Chloroform

Concen: 3.262 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014970.D

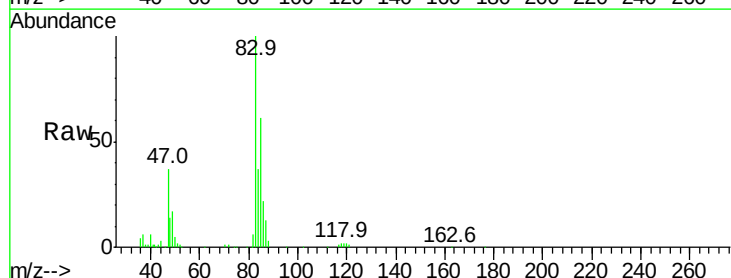
Acq: 13 Feb 2020 09:47

Tgt Ion: 83 Resp: 48286

Ion Ratio Lower Upper

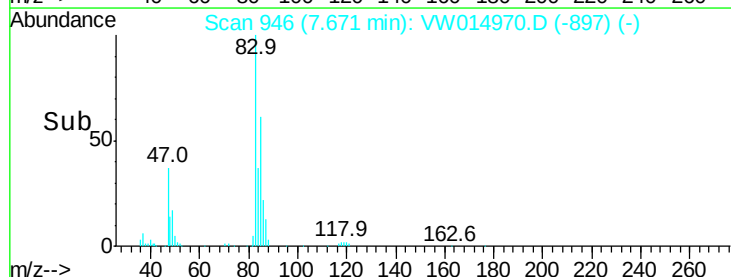
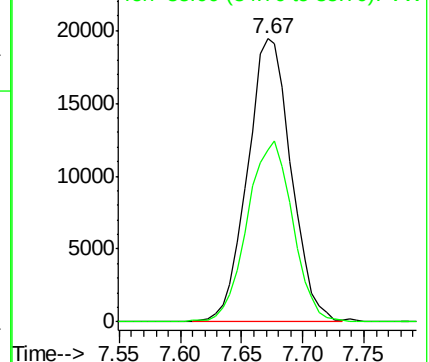
83 100

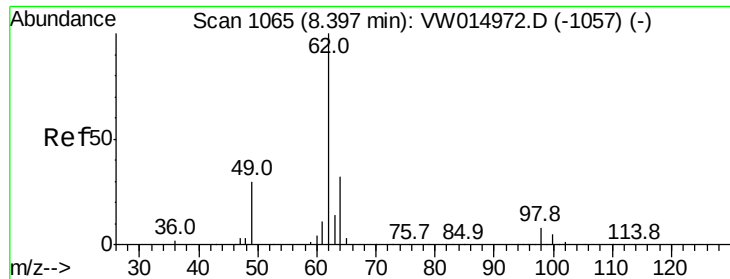
85 60.7 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

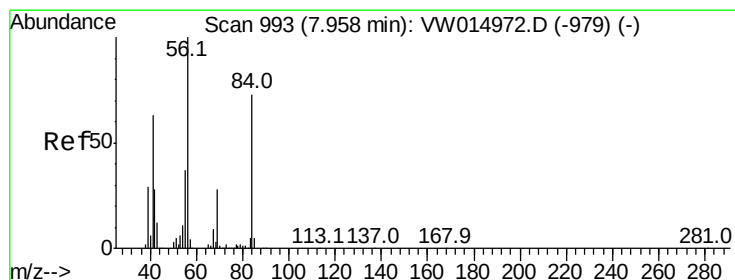
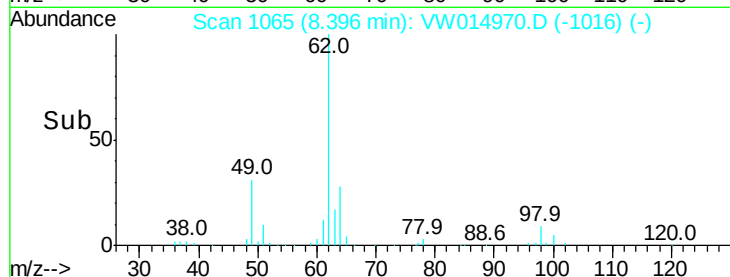
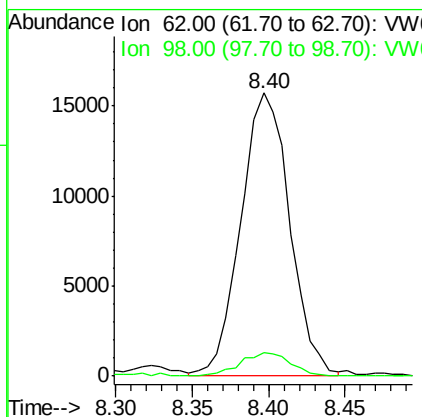
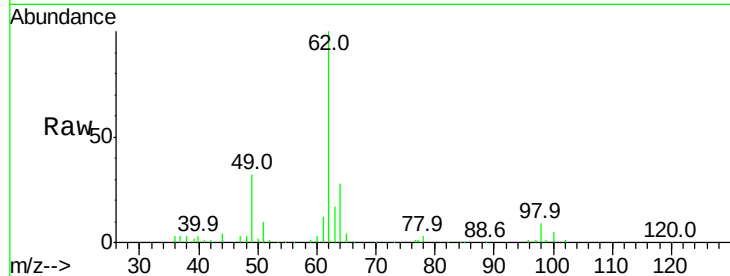




#27
1,2-Dichloroethane
Concen: 3.337 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014970.D
Acq: 13 Feb 2020 09:47

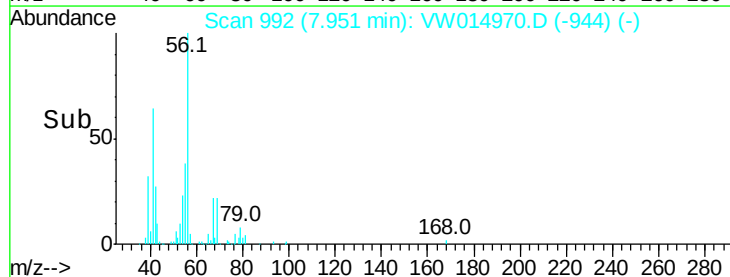
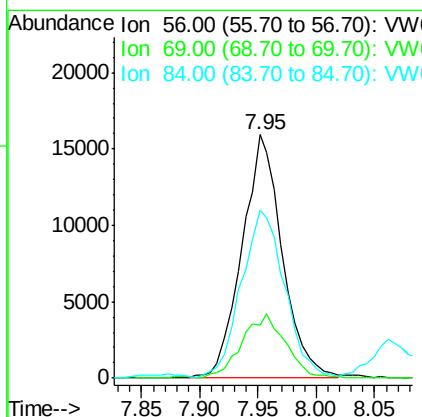
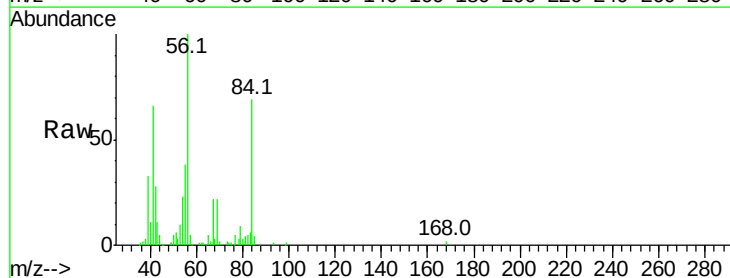
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5301

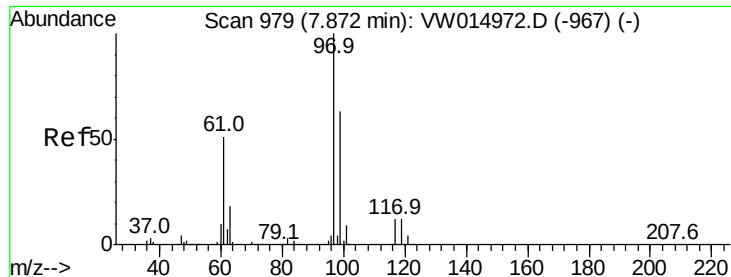
Tgt Ion: 62 Resp: 35029
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4



#29
Cyclohexane
Concen: 2.444 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014970.D
Acq: 13 Feb 2020 09:47

Tgt Ion: 56 Resp: 38347
Ion Ratio Lower Upper
56 100
69 27.4 22.0 33.0
84 74.7 57.8 86.6

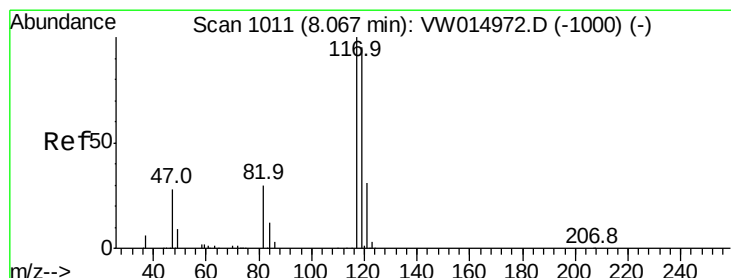
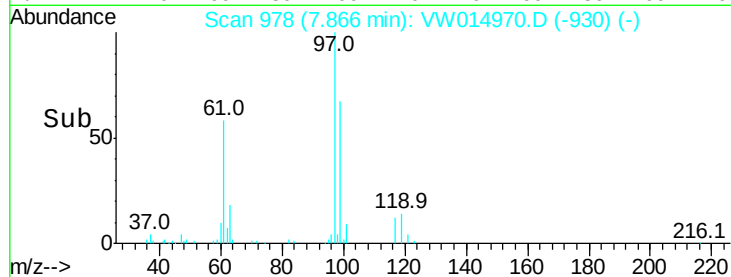
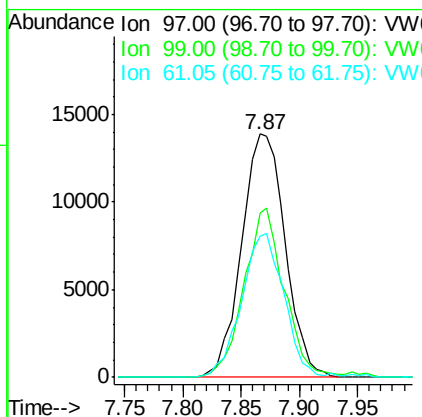
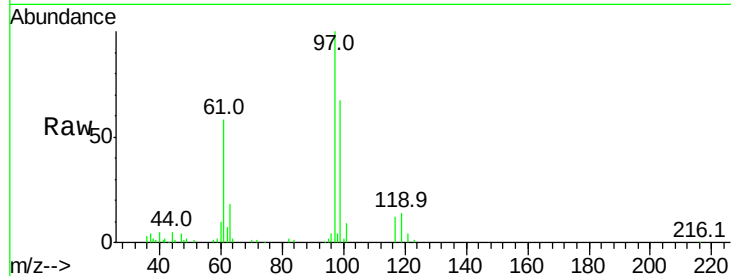




#30
 1,1,1-Trichloroethane
 Concen: 2.869 ug/L
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

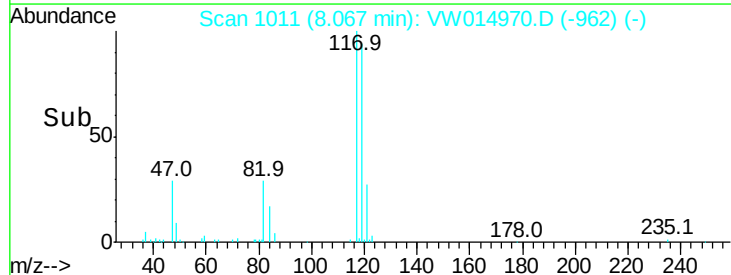
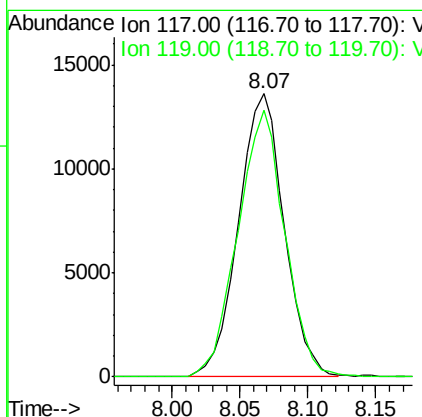
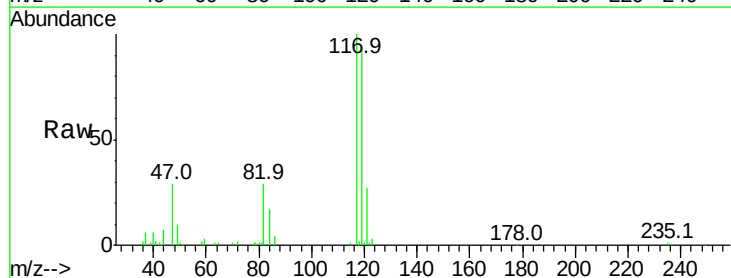
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

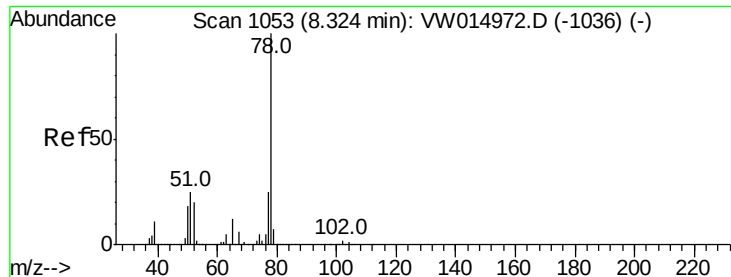
Tgt Ion: 97 Resp: 36184
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.6 75.8
 61 57.5 42.7 64.1



#31
 Carbon tetrachloride
 Concen: 2.880 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion: 117 Resp: 32028
 Ion Ratio Lower Upper
 117 100
 119 96.9 76.6 114.8





#33

Benzene

Concen: 2.864 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

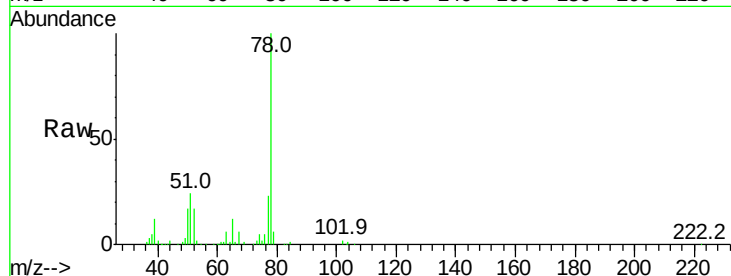
Instrument :

MSVOA_W

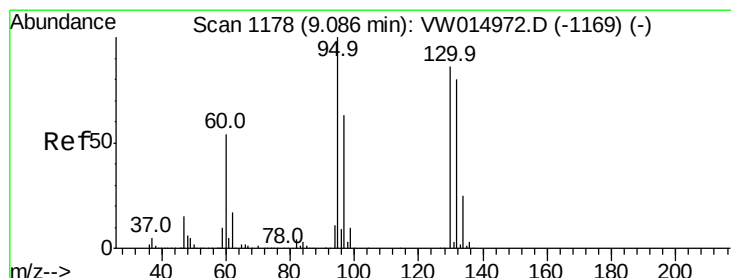
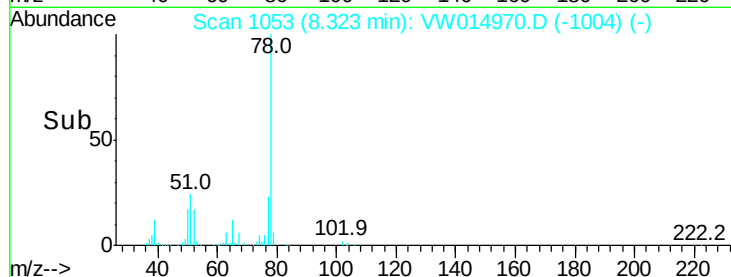
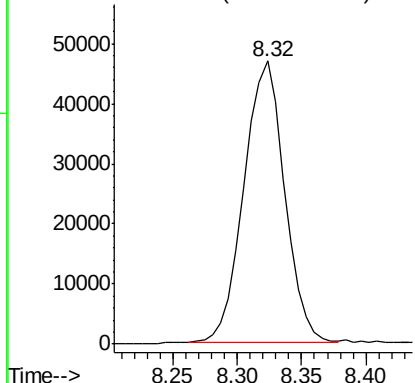
ClientSampleId :

VSTD2.5301

Tgt Ion: 78 Resp: 102617



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 2.825 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Tgt Ion: 95 Resp: 25827

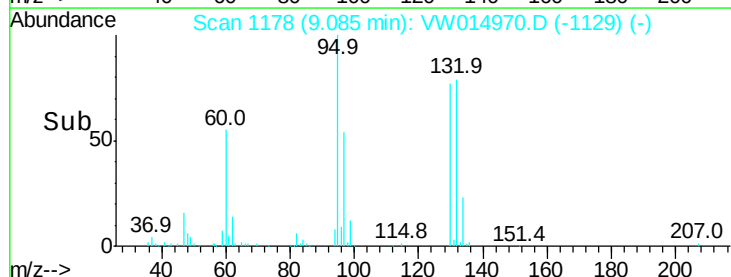
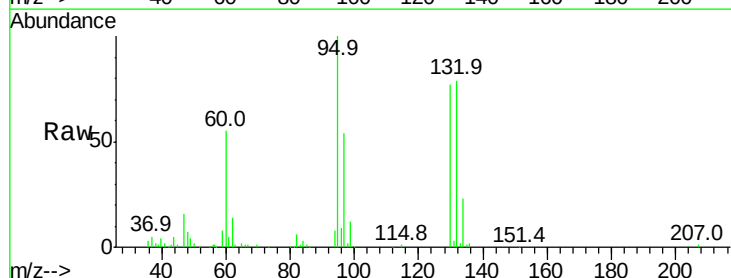
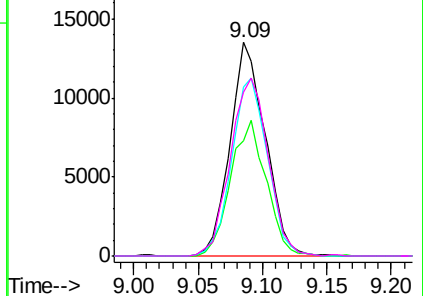
Ion	Ratio	Lower	Upper
95	100		
97	54.1	44.2	82.0
132	79.4	56.1	104.3
130	76.8	60.1	111.7

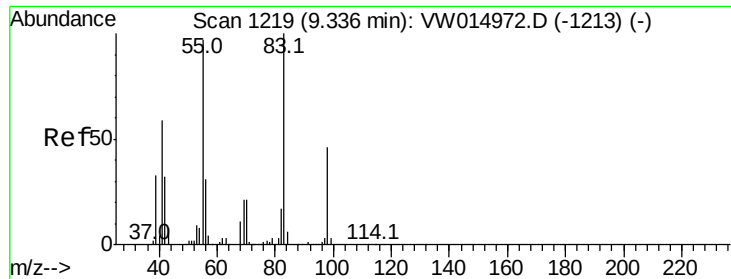
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#35

Methylcyclohexane

Concen: 2.307 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

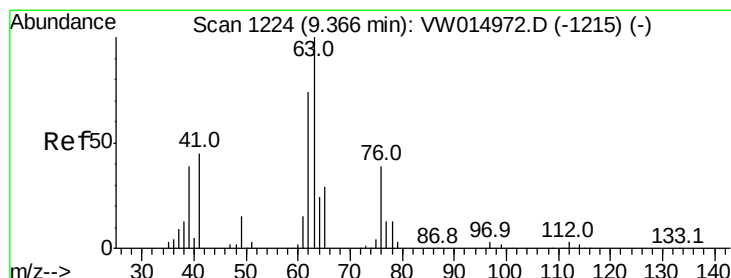
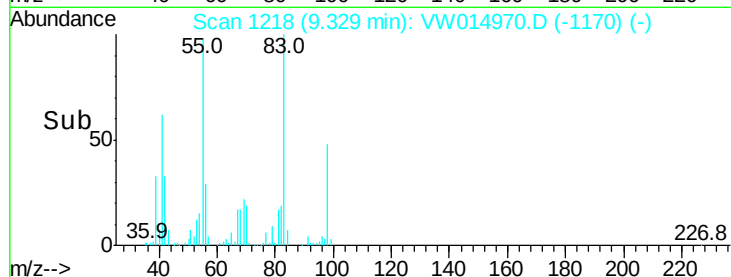
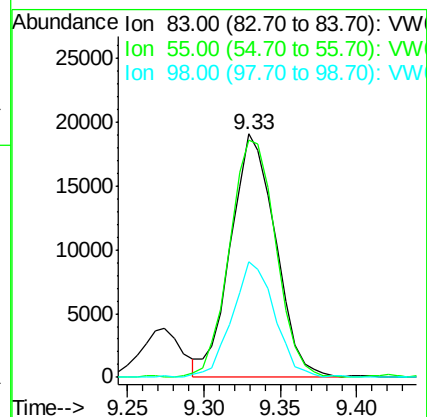
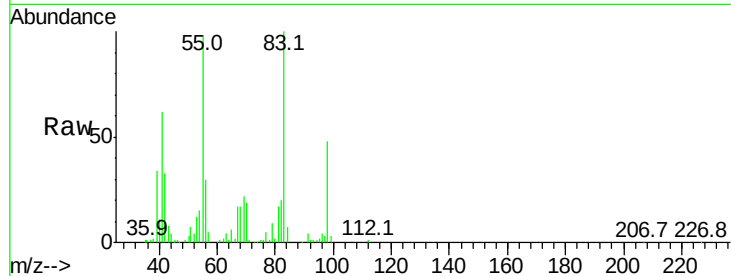
Tgt Ion: 83 Resp: 38879

Ion Ratio Lower Upper

83 100

55 100.4 76.3 114.5

98 45.0 36.4 54.6



#37

1,2-Dichloropropane

Concen: 3.252 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014970.D

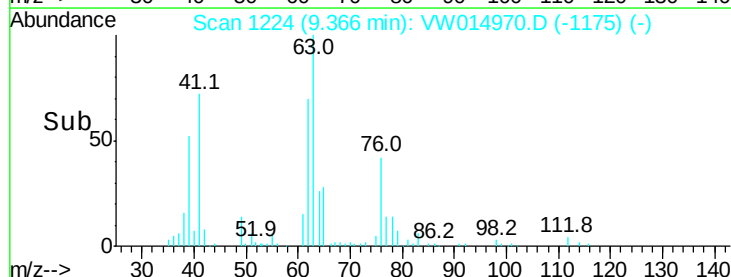
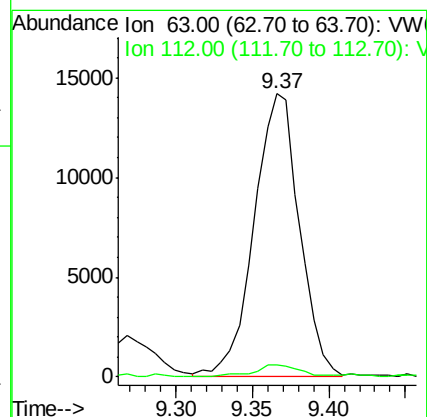
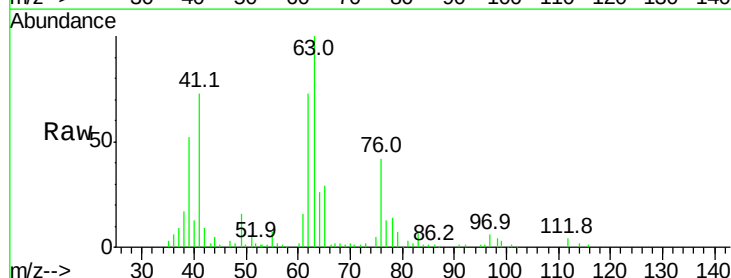
Acq: 13 Feb 2020 09:47

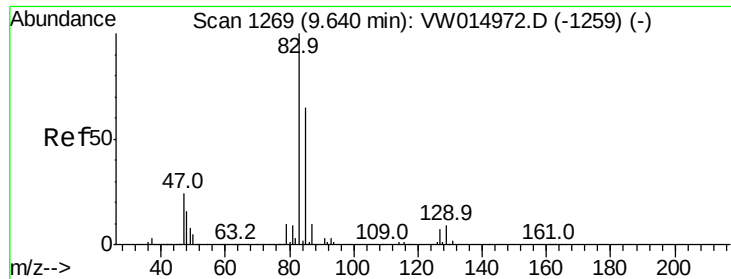
Tgt Ion: 63 Resp: 29357

Ion Ratio Lower Upper

63 100

112 3.7 2.6 4.0

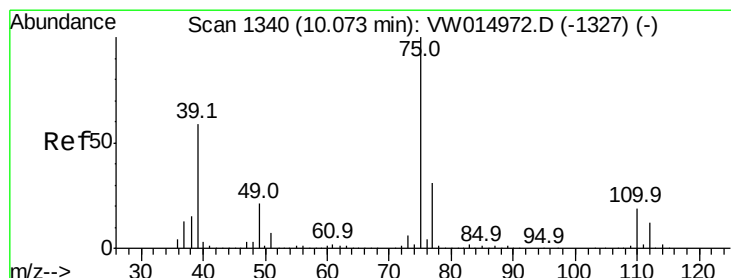
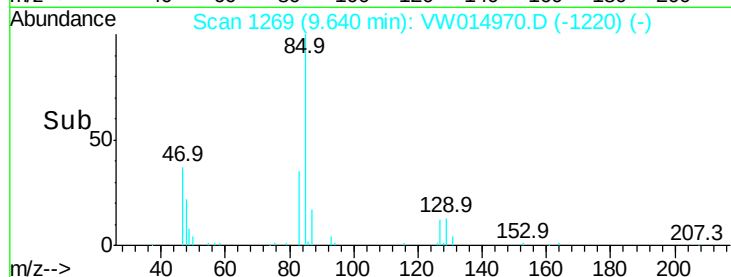
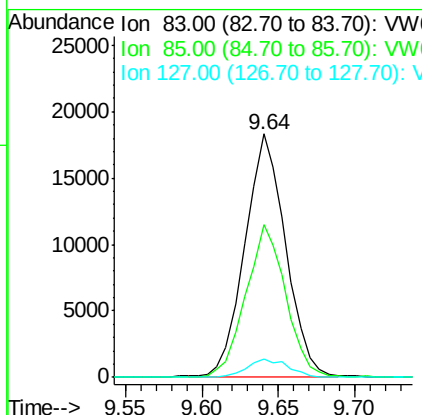
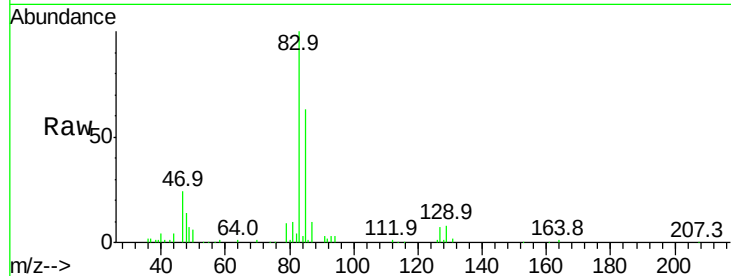




#38
 Bromodichloromethane
 Concen: 2.934 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

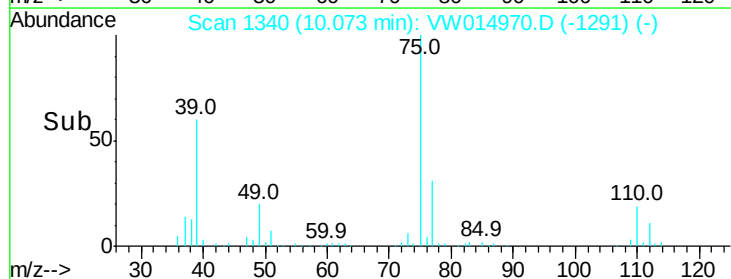
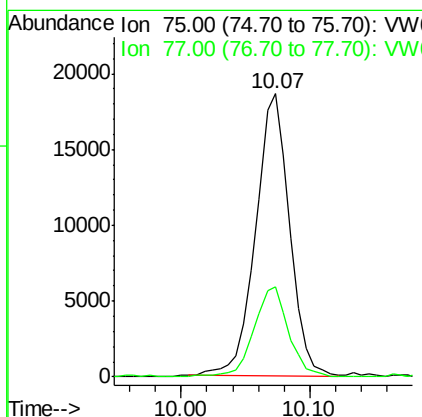
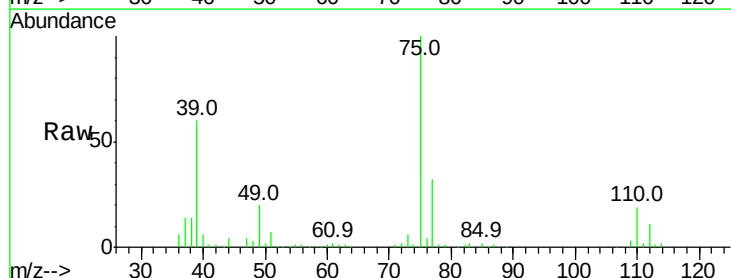
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

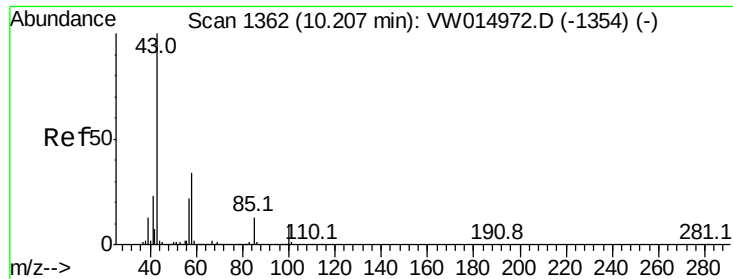
Tgt Ion: 83 Resp: 33913
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.2 84.0
 127 7.5 5.5 8.3



#39
 cis-1,3-Dichloropropene
 Concen: 2.211 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion: 75 Resp: 33815
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.2

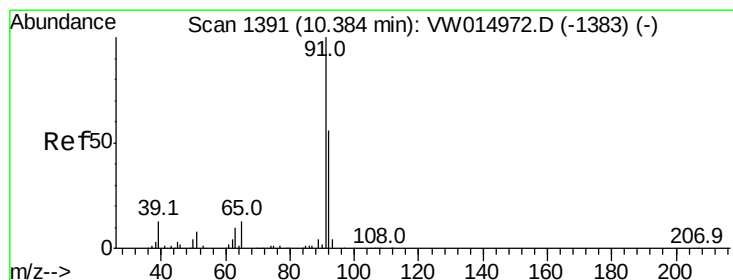
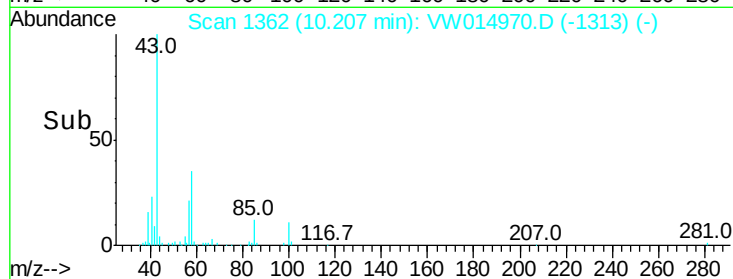
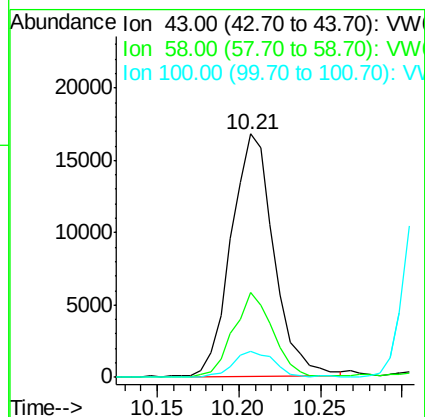
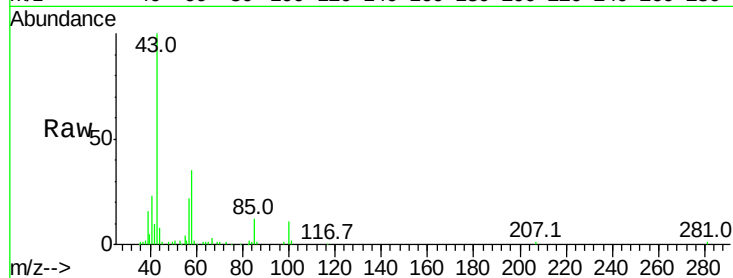




#40
 4-Methyl-2-pentanone
 Concen: 3.122 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

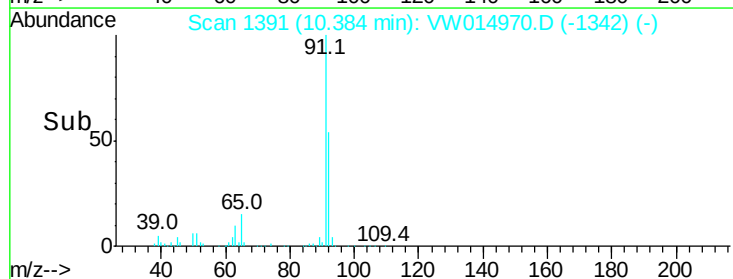
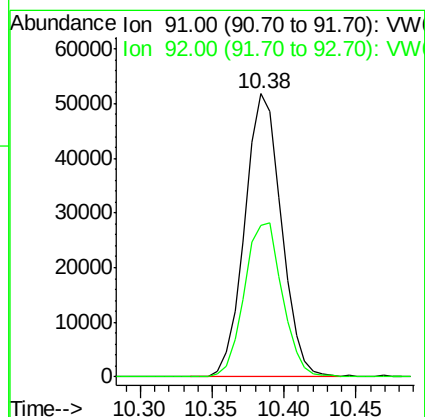
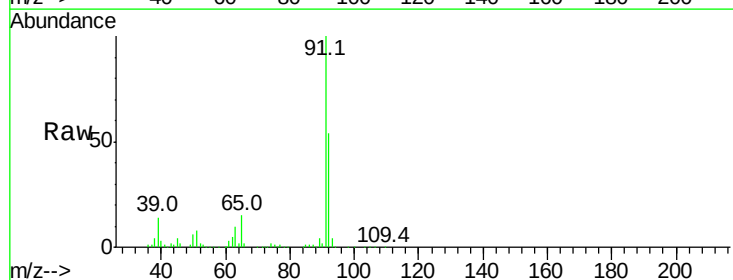
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

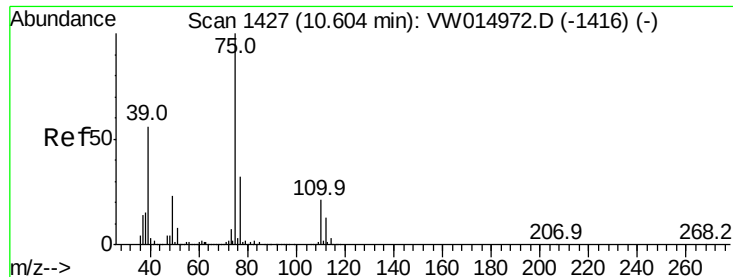
Tgt Ion: 43 Resp: 30602
 Ion Ratio Lower Upper
 43 100
 58 32.5 27.7 41.5
 100 10.4 8.6 13.0



#42
 Toluene
 Concen: 2.349 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion: 91 Resp: 91120
 Ion Ratio Lower Upper
 91 100
 92 53.6 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.154 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

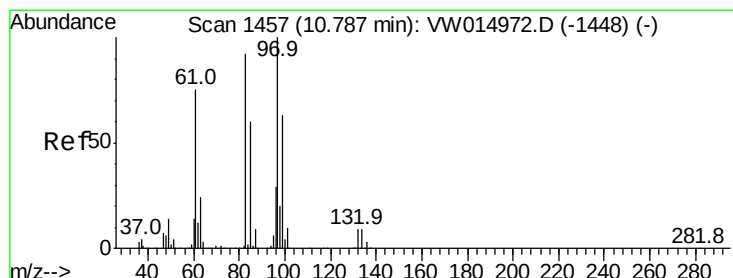
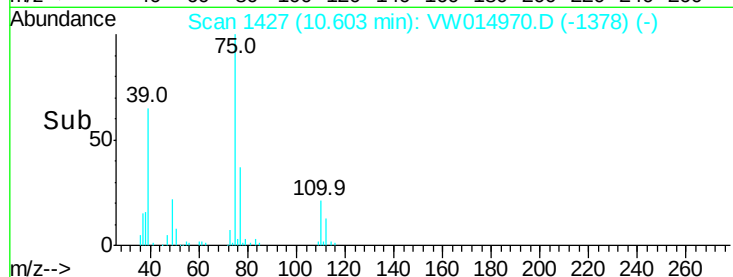
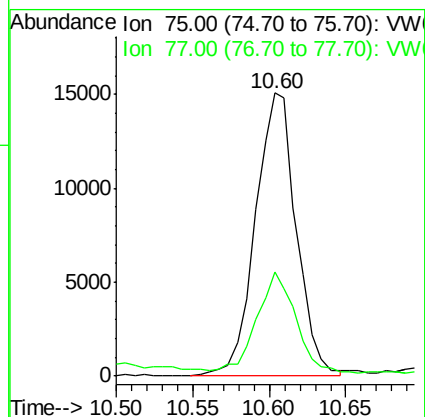
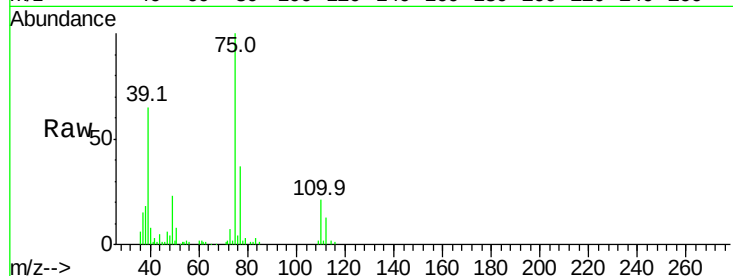
VSTD2.5301

Tgt Ion: 75 Resp: 28023

Ion Ratio Lower Upper

75 100

77 37.0 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 2.284 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Tgt Ion: 97 Resp: 17761

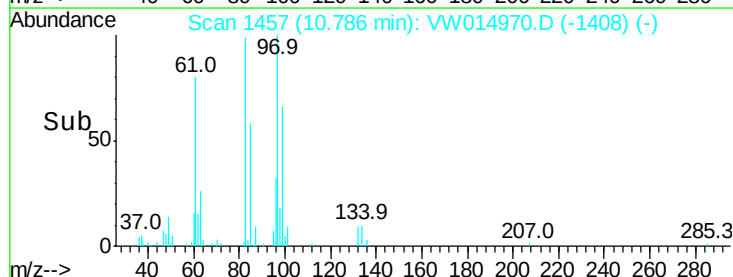
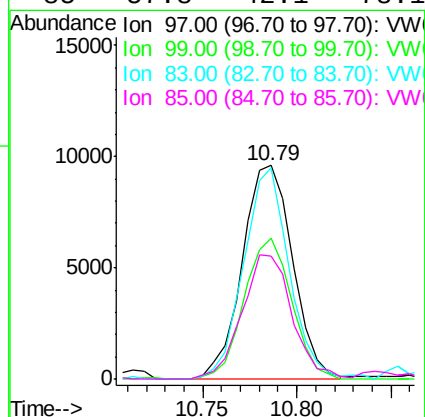
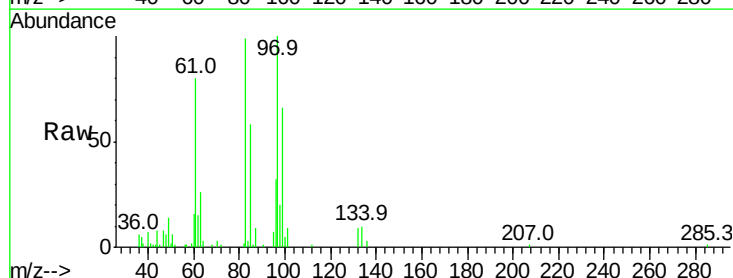
Ion Ratio Lower Upper

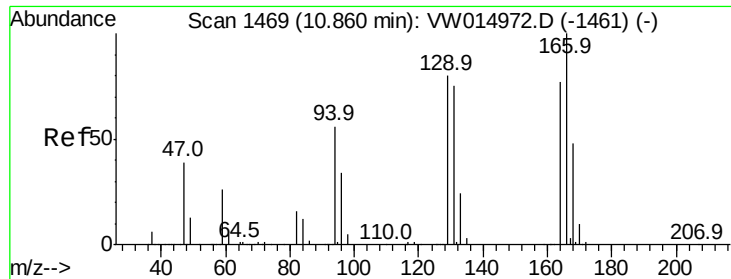
97 100

99 65.9 44.2 82.0

83 98.9 64.1 119.1

85 57.8 42.1 78.1





#46

Tetrachloroethene

Concen: 2.318 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

Tgt Ion:164 Resp: 16301

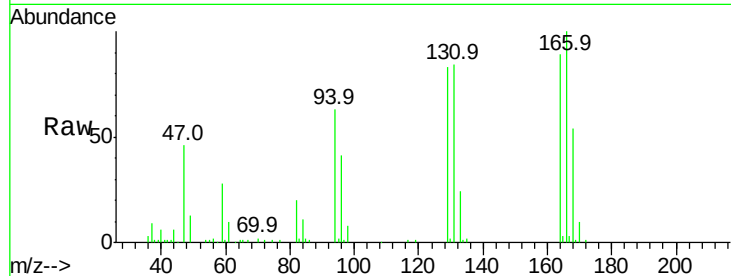
Ion Ratio Lower Upper

164 100

129 94.0 72.2 134.2

131 95.1 68.1 126.5

166 112.9 90.6 168.2

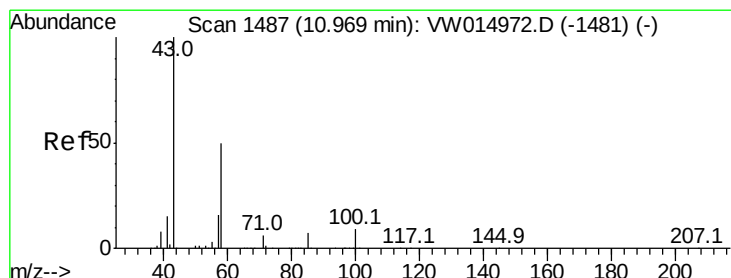
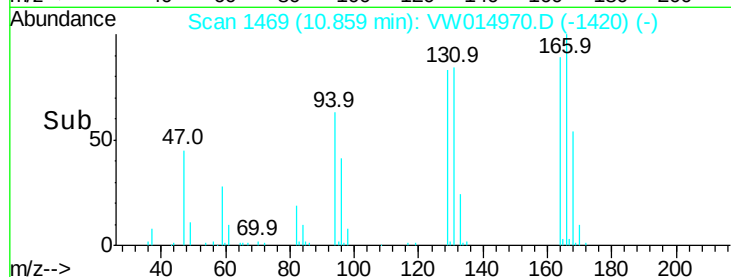
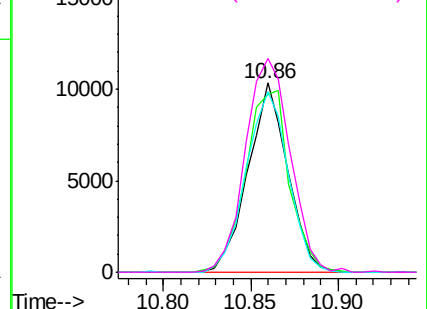


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 2.761 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Tgt Ion: 43 Resp: 20759

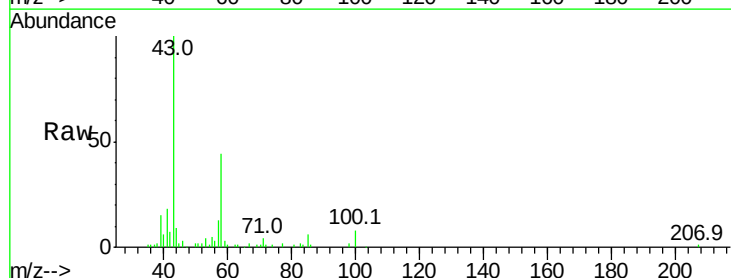
Ion Ratio Lower Upper

43 100

58 45.2 39.2 58.8

57 15.3 13.1 19.7

100 7.8 7.0 10.4

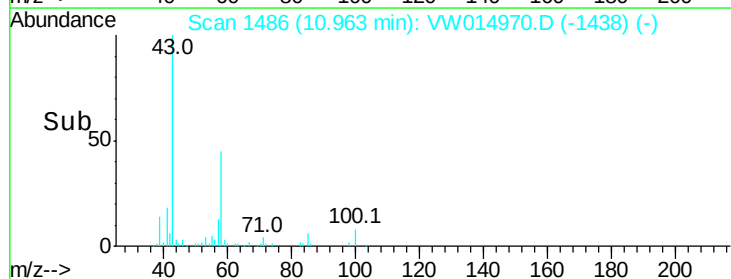
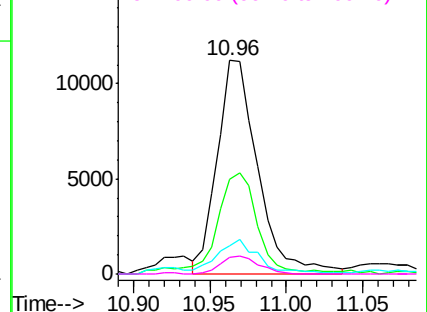


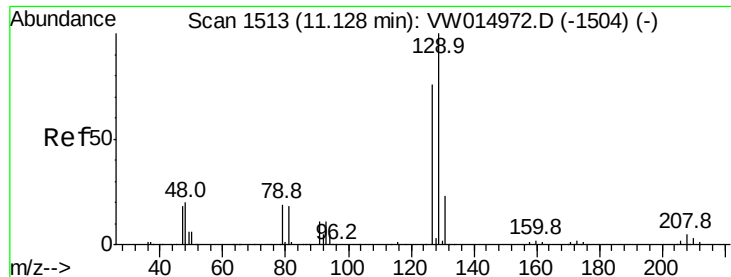
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#49

Dibromochloromethane

Concen: 2.102 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

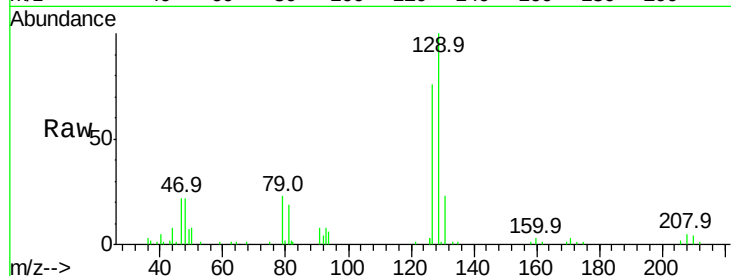
VSTD2.5301

Tgt Ion:129 Resp: 17665

Ion Ratio Lower Upper

129 100

127 75.1 53.0 98.4

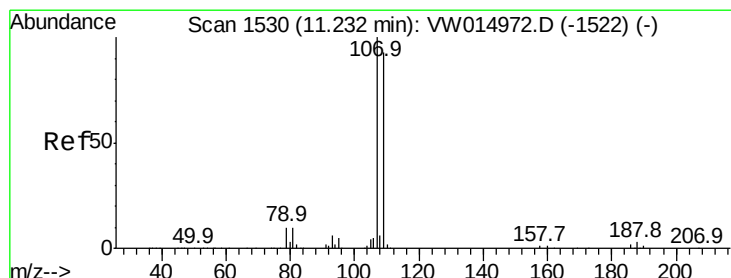
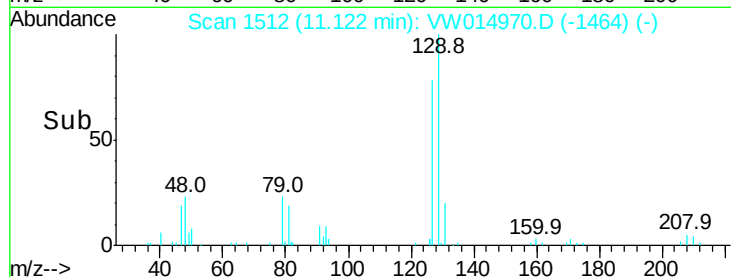


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.12

Time-->



#50

1,2-Dibromoethane

Concen: 1.908 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

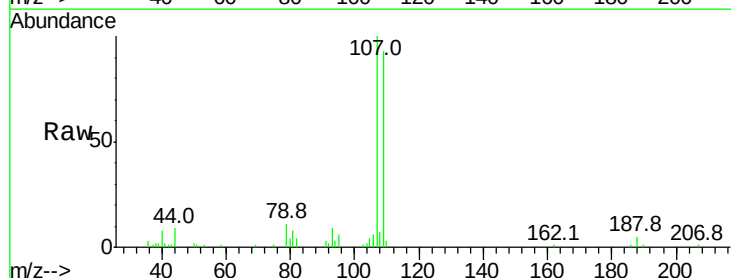
Tgt Ion:107 Resp: 14986

Ion Ratio Lower Upper

107 100

109 92.6 65.1 120.9

188 4.6 2.4 3.6#



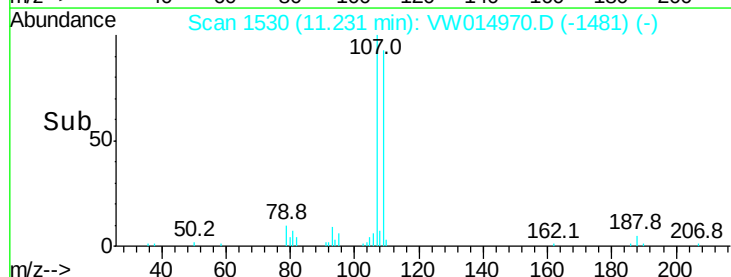
Abundance Ion 107.00 (106.70 to 107.70): V

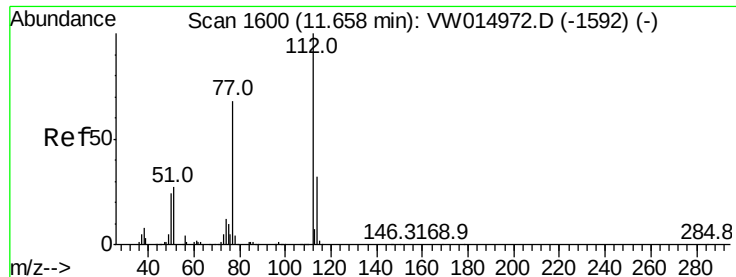
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.23

Time-->





#51

Chlorobenzene

Concen: 2.424 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

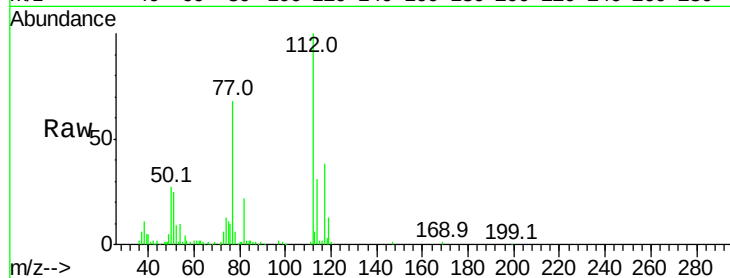
Tgt Ion: 112 Resp: 59592

Ion Ratio Lower Upper

112 100

114 30.9 22.6 42.0

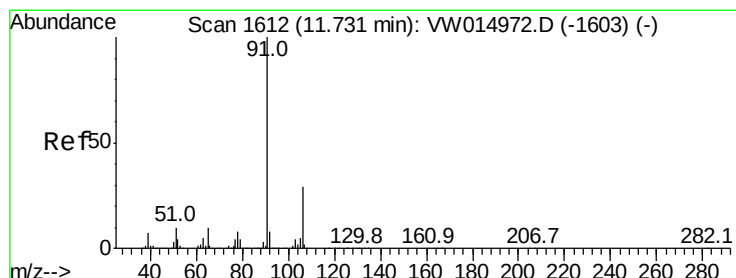
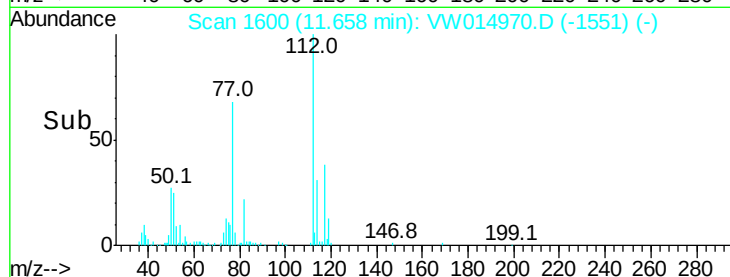
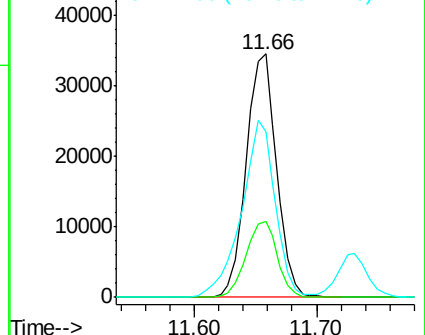
77 68.2 54.6 82.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.201 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014970.D

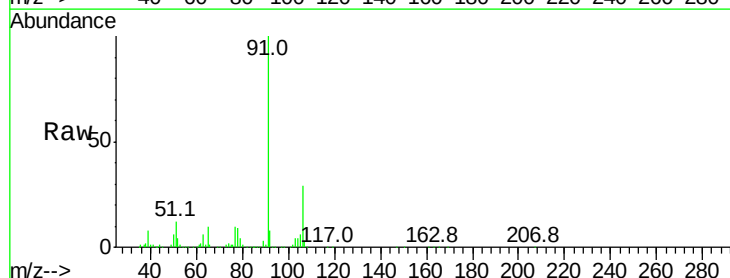
Acq: 13 Feb 2020 09:47

Tgt Ion: 91 Resp: 95742

Ion Ratio Lower Upper

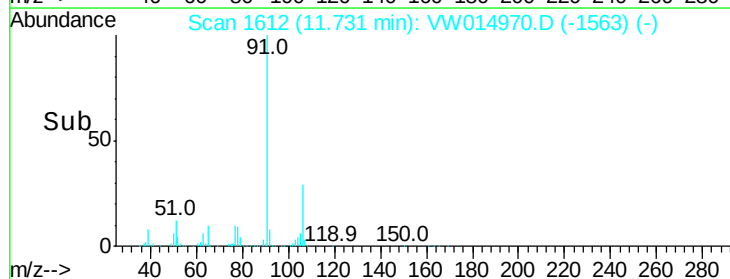
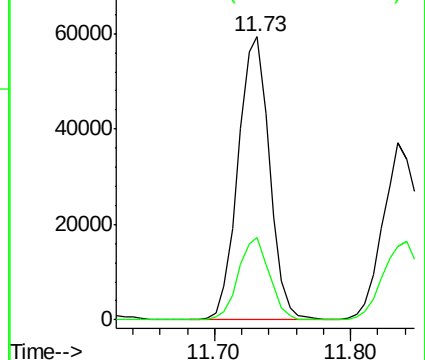
91 100

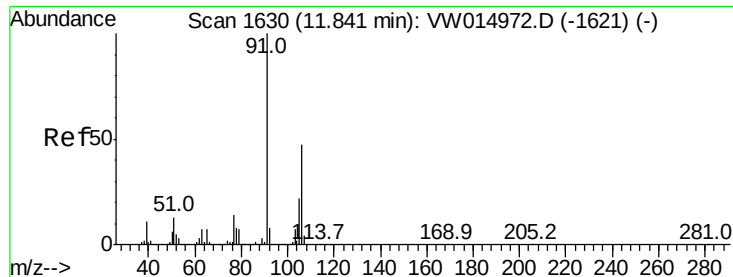
106 28.9 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.888 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

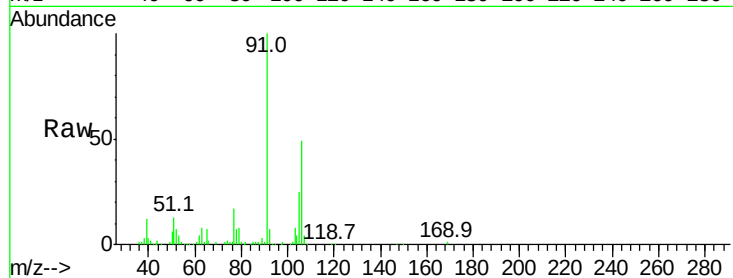
VSTD2.5301

Tgt Ion:106 Resp: 31906

Ion Ratio Lower Upper

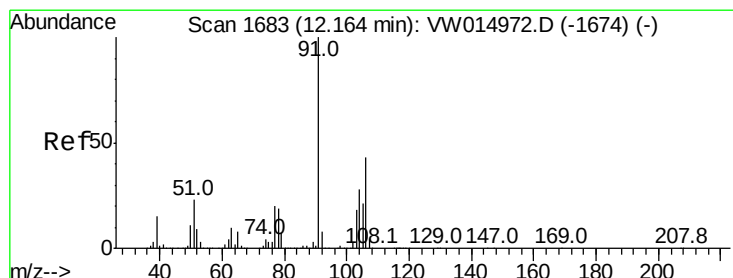
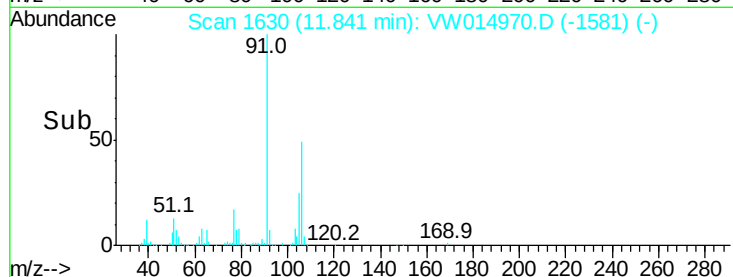
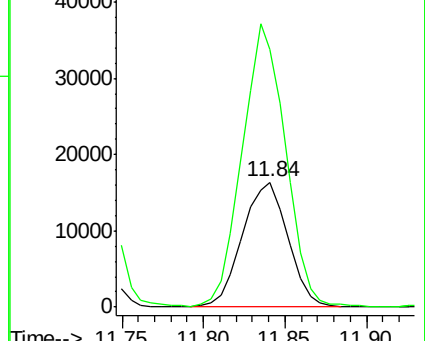
106 100

91 205.5 149.2 277.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 1.858 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014970.D

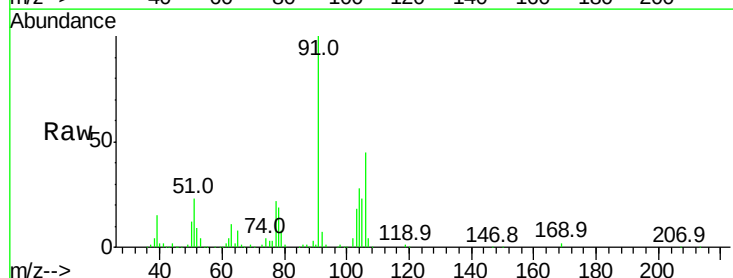
Acq: 13 Feb 2020 09:47

Tgt Ion:106 Resp: 30087

Ion Ratio Lower Upper

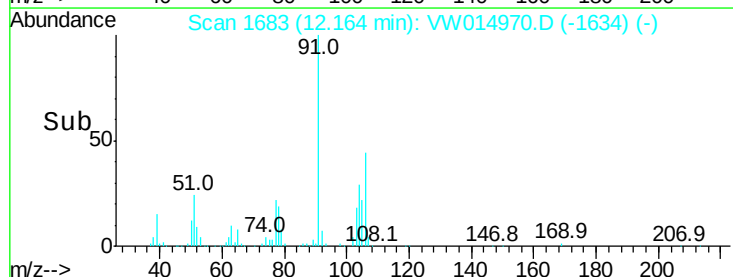
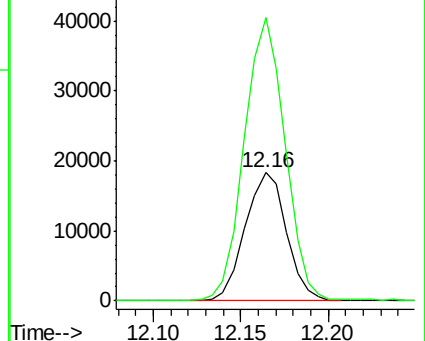
106 100

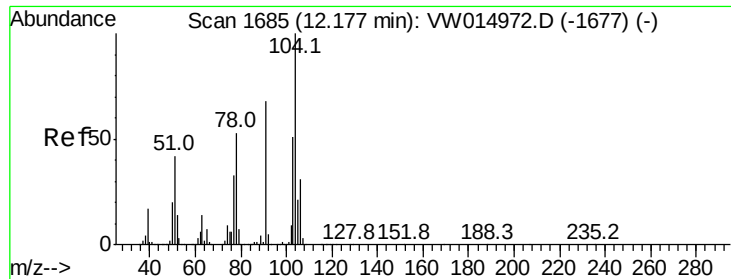
91 220.6 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 1.694 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampled :

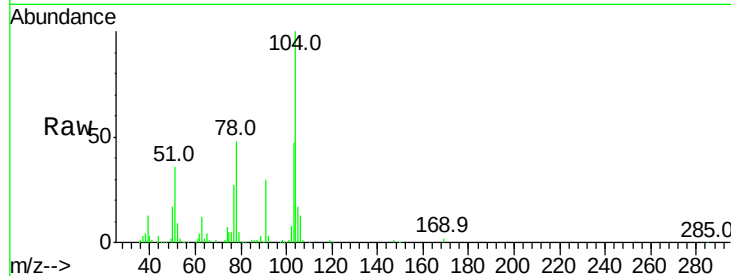
VSTD2.5301

Tgt Ion: 104 Resp: 48005

Ion Ratio Lower Upper

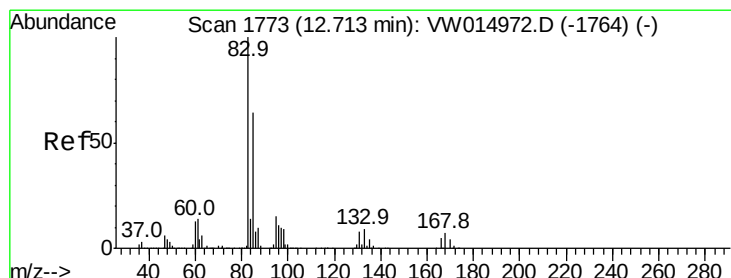
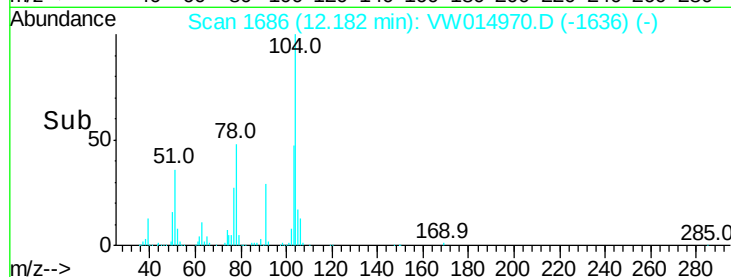
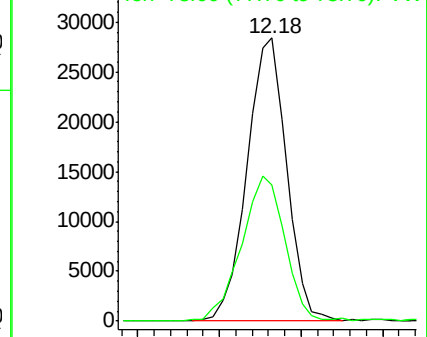
104 100

78 48.0 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 2.020 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

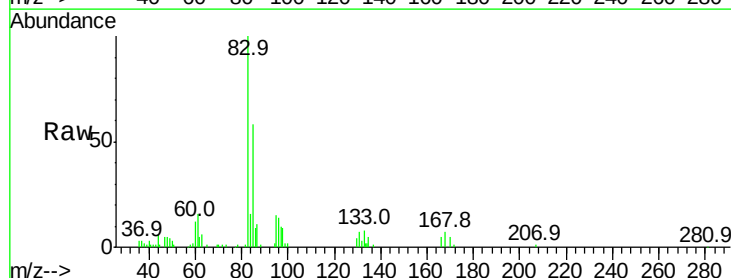
Tgt Ion: 83 Resp: 22020

Ion Ratio Lower Upper

83 100

85 57.6 44.9 83.5

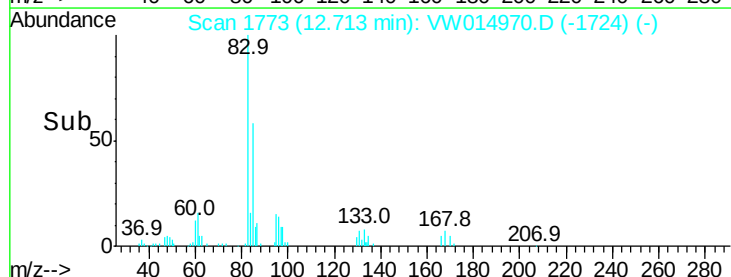
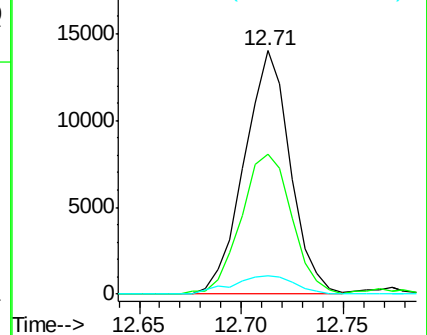
131 7.3 6.2 9.2

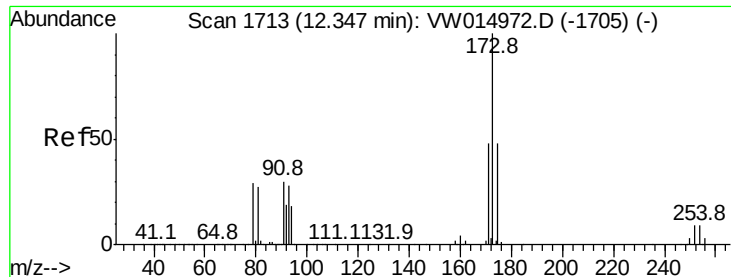


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 1.807 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

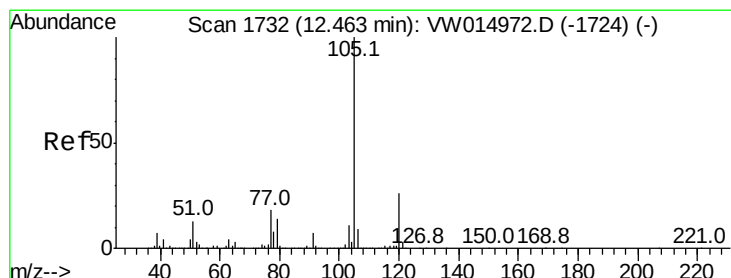
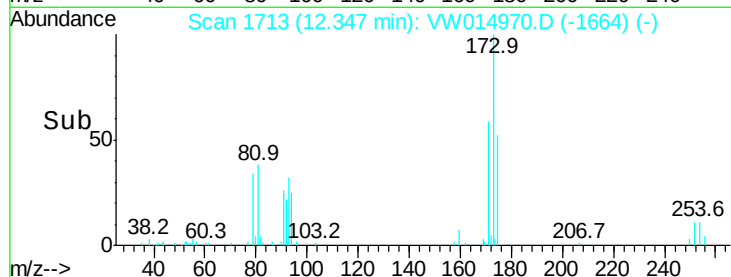
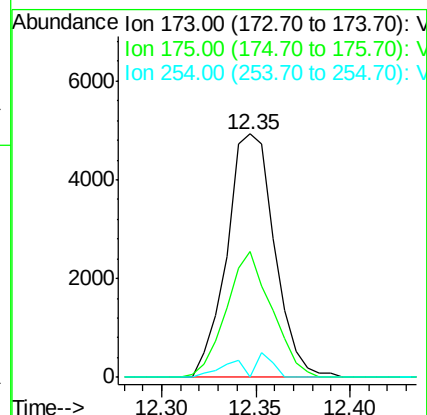
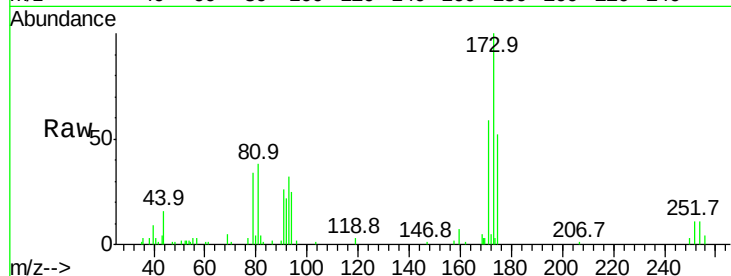
Tgt Ion:173 Resp: 8643

Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 3.3 7.1 10.7#



#60

Isopropylbenzene

Concen: 2.197 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

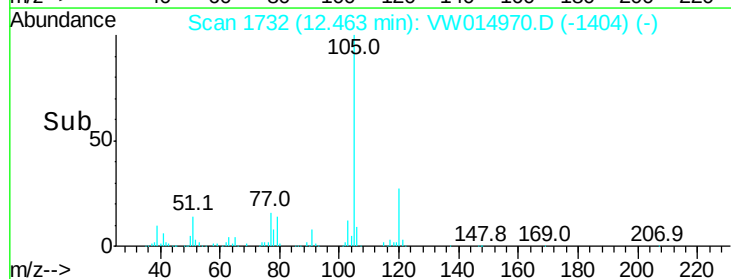
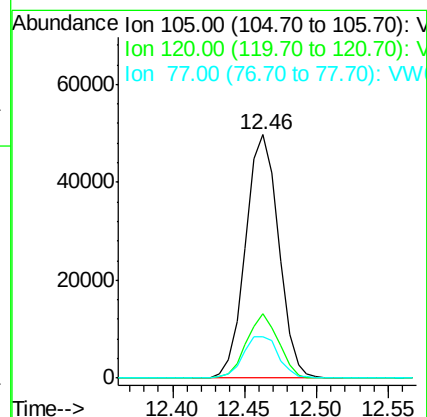
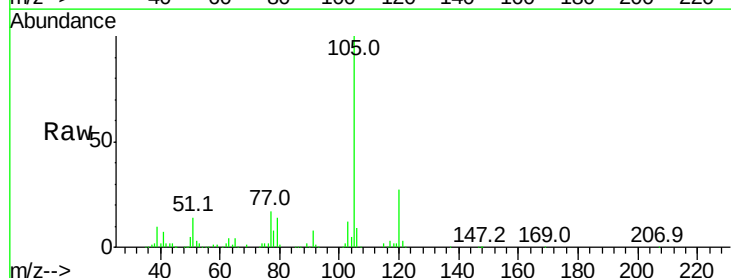
Tgt Ion:105 Resp: 79196

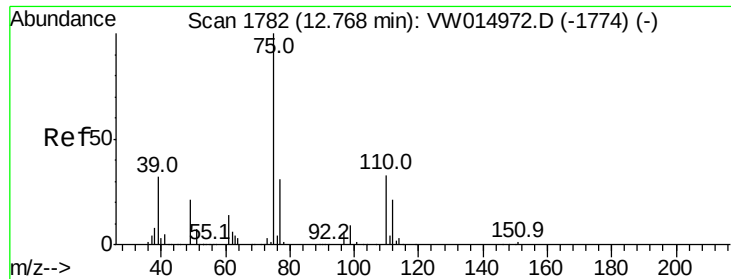
Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

77 18.6 14.4 21.6

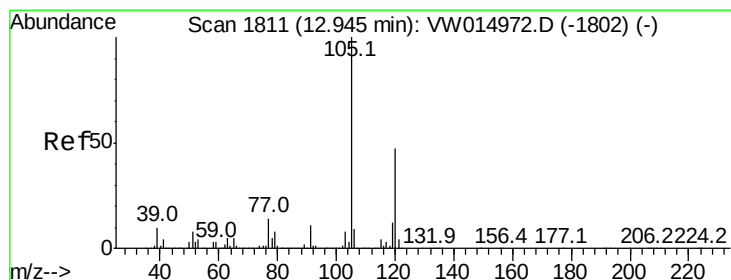
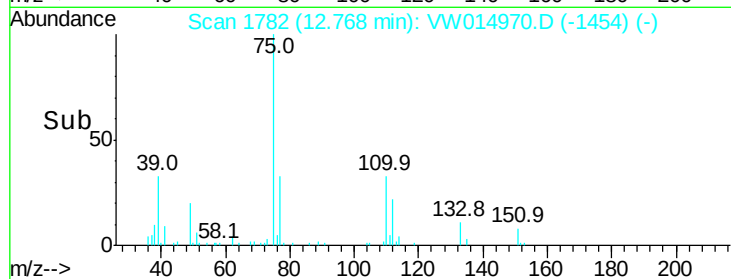
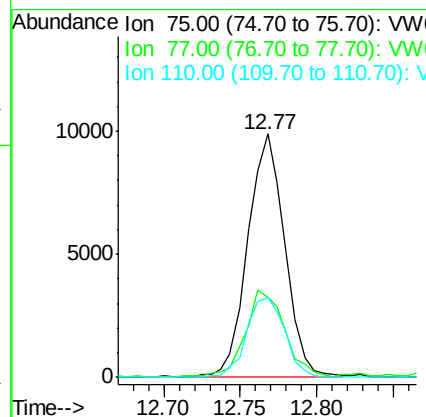
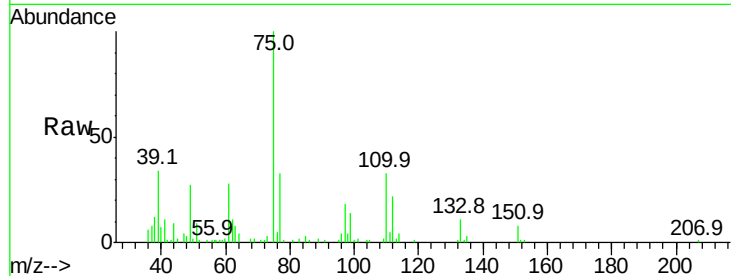




#61
 1,2,3-Trichloropropane
 Concen: 2.365 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

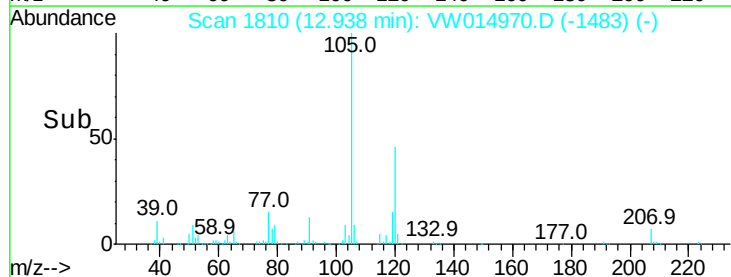
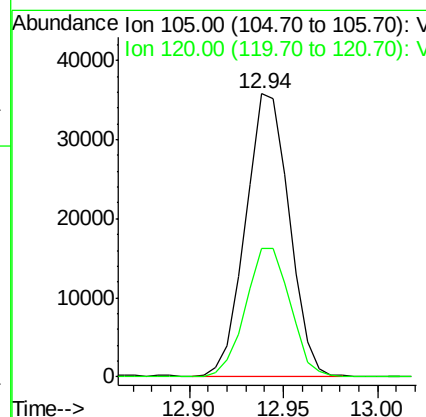
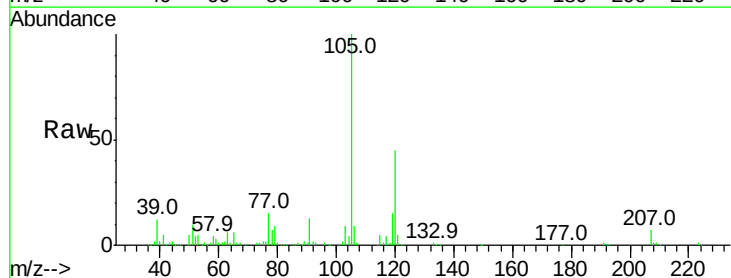
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

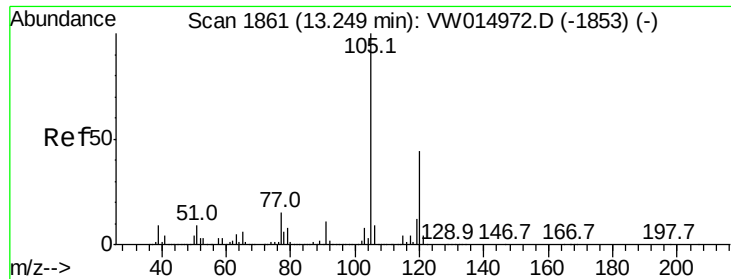
Tgt Ion: 75 Resp: 16638
 Ion Ratio Lower Upper
 75 100
 77 38.3 25.8 38.6
 110 33.5 26.6 39.8



#62
 1,3,5-Trimethylbenzene
 Concen: 1.931 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion: 105 Resp: 57613
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.4 56.0

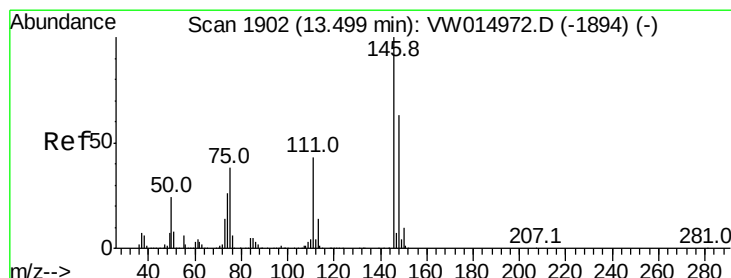
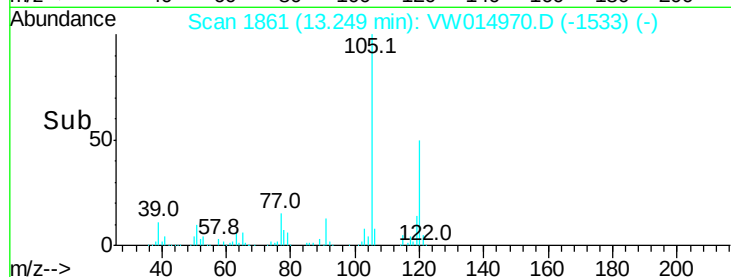
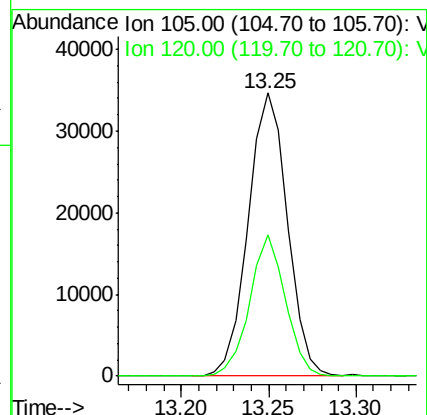
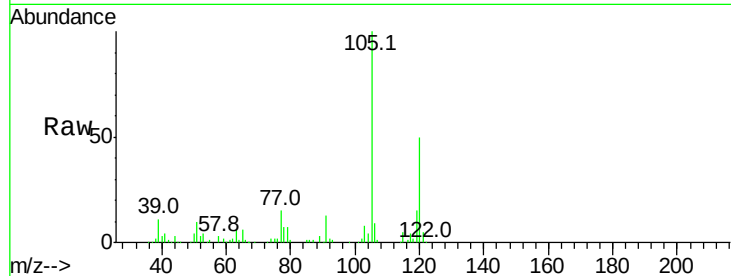




#63
 1,2,4-Trimethylbenzene
 Concen: 1.831 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

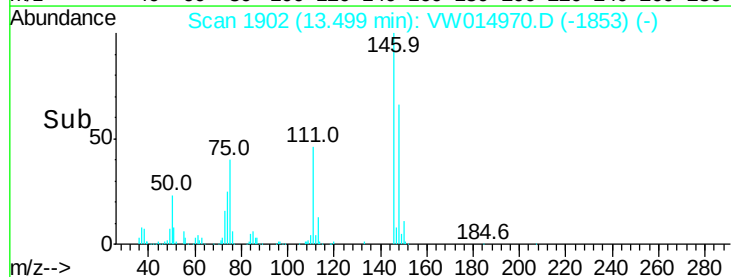
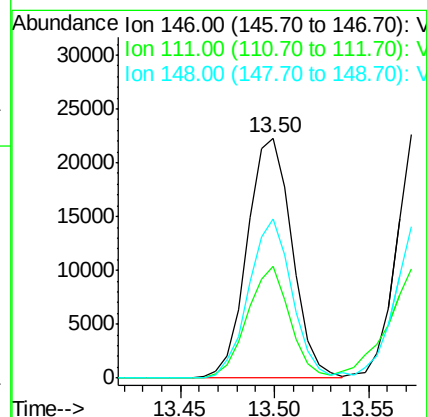
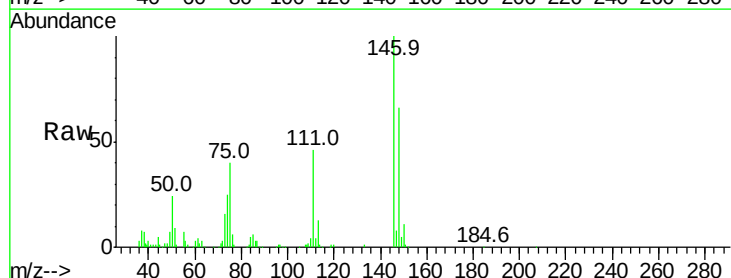
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

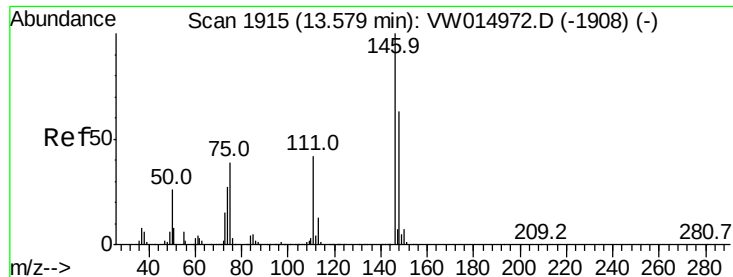
Tgt Ion:105 Resp: 54050
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 2.296 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion:146 Resp: 36715
 Ion Ratio Lower Upper
 146 100
 111 46.4 30.2 56.0
 148 66.1 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.446 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5301

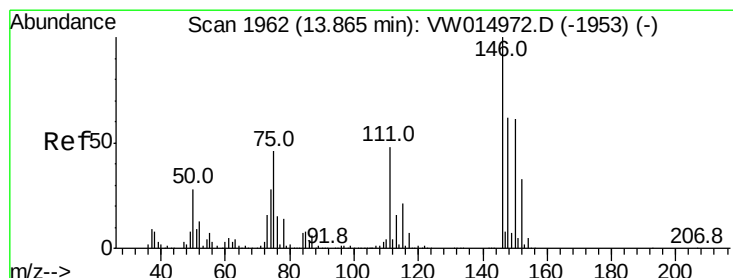
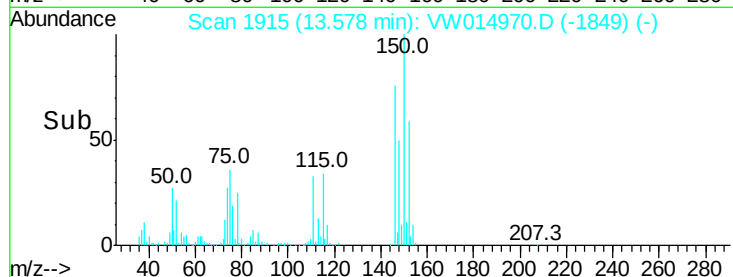
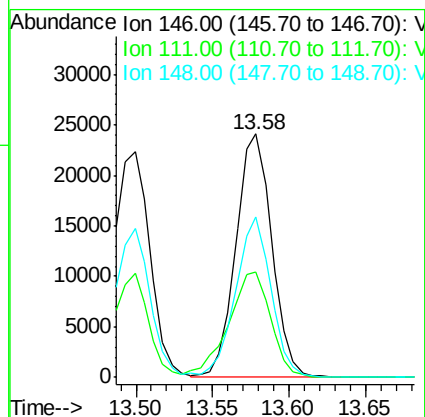
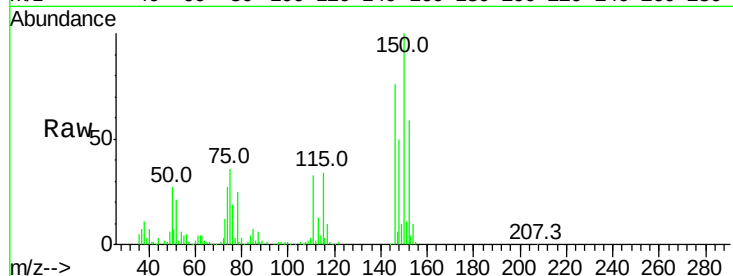
Tgt Ion:146 Resp: 39263

Ion Ratio Lower Upper

146 100

111 43.2 29.5 54.9

148 65.9 43.8 81.3



#67

1,2-Dichlorobenzene

Concen: 2.307 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014970.D

Acq: 13 Feb 2020 09:47

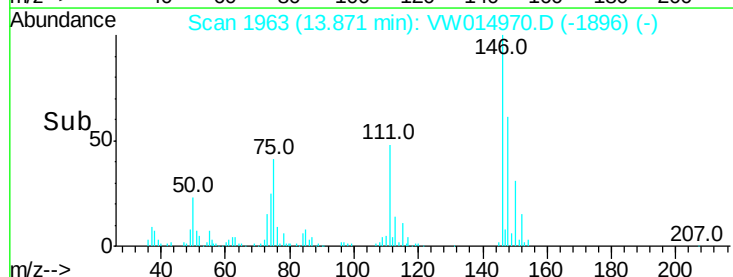
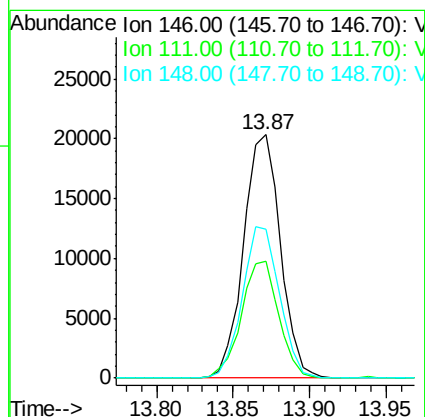
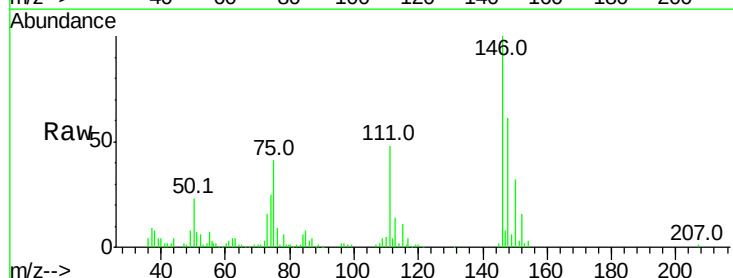
Tgt Ion:146 Resp: 34137

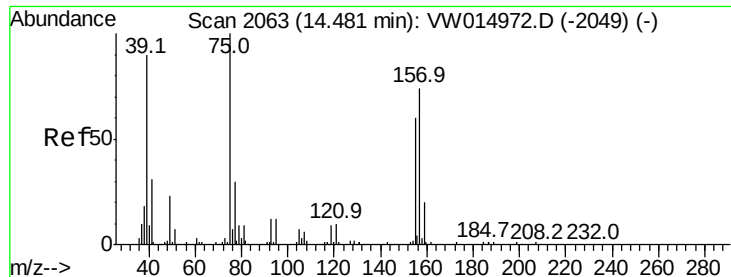
Ion Ratio Lower Upper

146 100

111 48.2 38.0 57.0

148 61.0 49.5 74.3

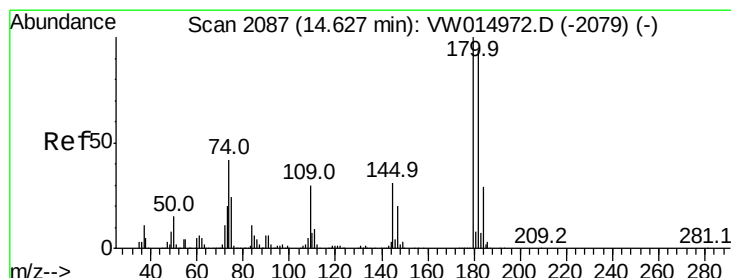
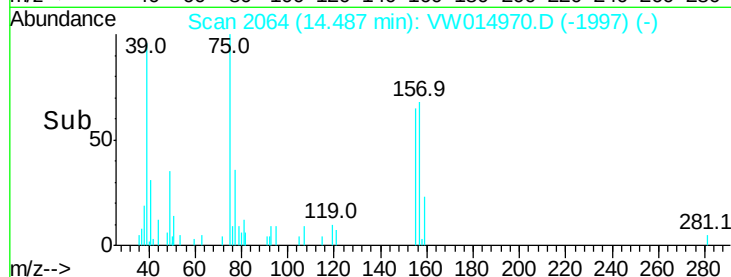
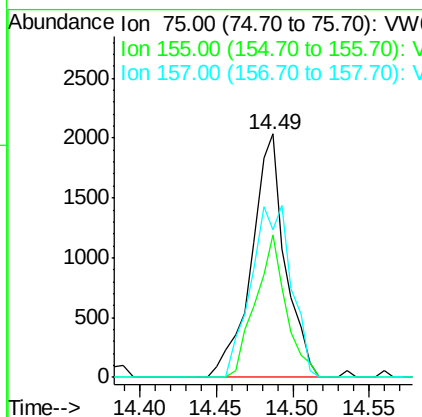
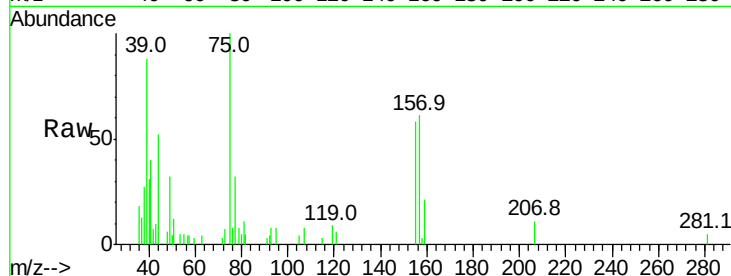




#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.750 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

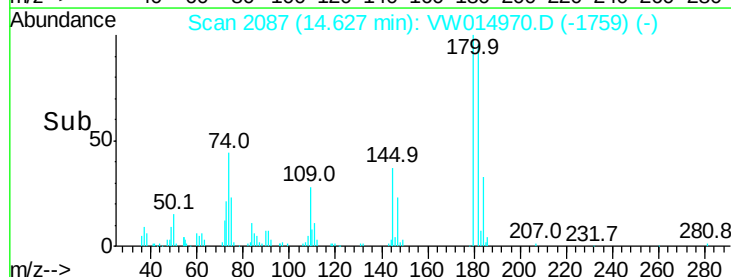
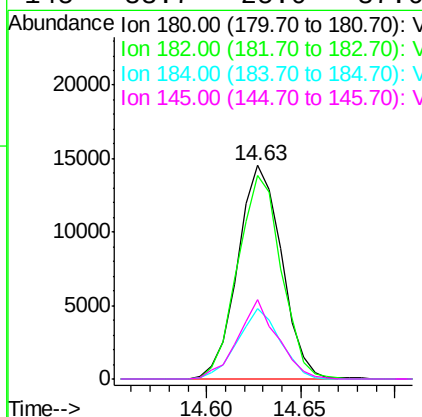
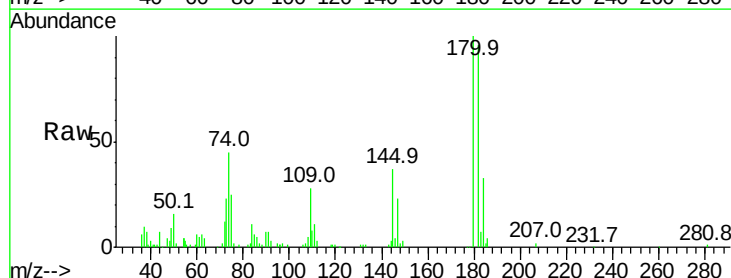
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

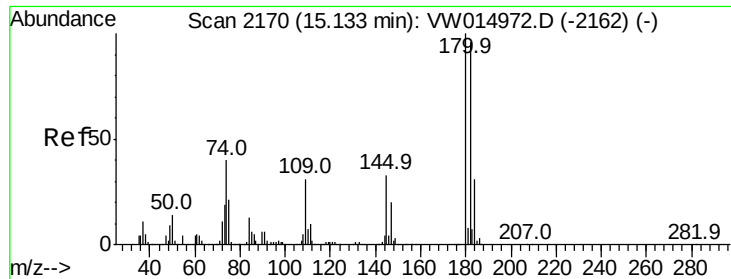
Tgt Ion: 75 Resp: 3107
 Ion Ratio Lower Upper
 75 100
 155 58.3 48.0 72.0
 157 60.6 59.4 89.0



#69
 1,3,5-Trichlorobenzene
 Concen: 2.137 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion: 180 Resp: 23474
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.5 114.7
 184 32.0 24.2 36.2
 145 33.7 25.0 37.6

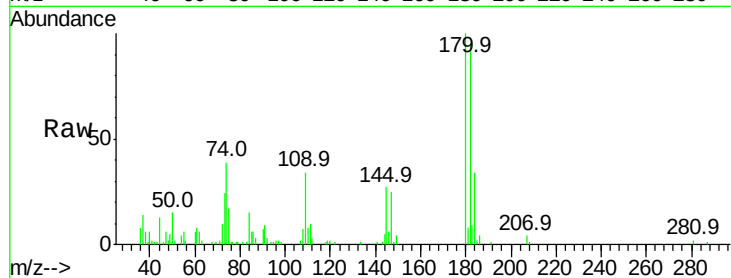




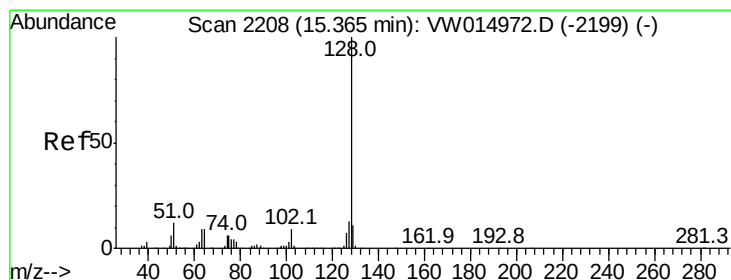
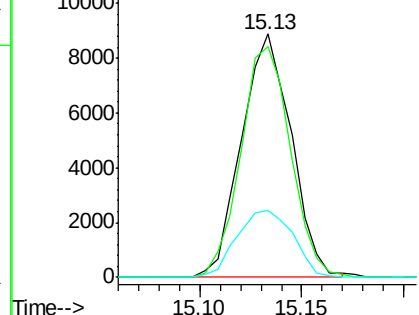
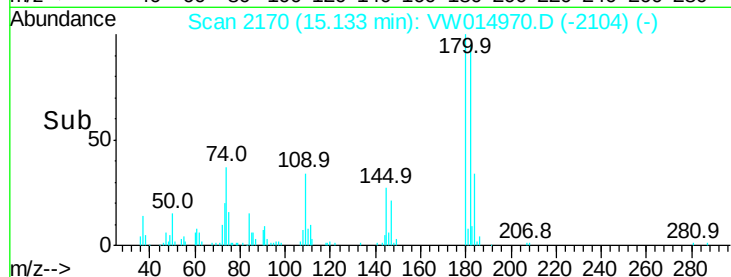
#70
 1,2,4-trichlorobenzene
 Concen: 1.502 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

Tgt Ion:180 Resp: 15032
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.4
 145 31.3 26.2 39.4

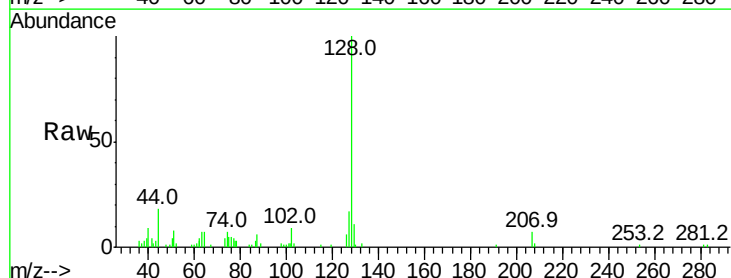


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

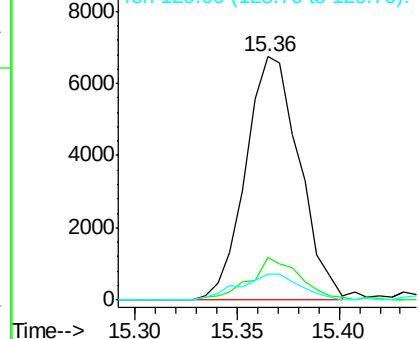
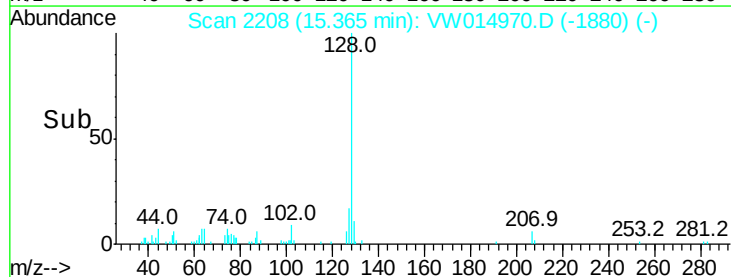


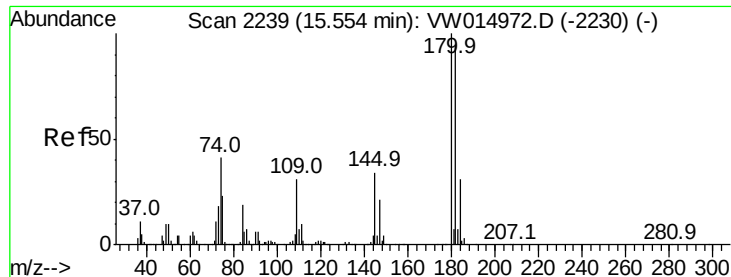
#71
 Naphthalene
 Concen: 0.443 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Tgt Ion:128 Resp: 12347
 Ion Ratio Lower Upper
 128 100
 127 16.5 10.5 15.7#
 129 12.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 1.434 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014970.D
 Acq: 13 Feb 2020 09:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5301

Tgt Ion:180 Resp: 13389
 Ion Ratio Lower Upper
 180 100
 182 104.1 75.2 112.8
 145 36.7 27.0 40.6

