

Data File : VW014873.D
Acq On : 05 Feb 2020 14:40
Operator : SY/VA
Sample : VSTD05016
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

Quant Time: Feb 05 15:12:40 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	1081420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	974855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	454627	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	829513	48.97	ug/L	0.00
7) Chloroethane-d5	2.89	69	673094	41.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1523595	42.34	ug/L	0.00
20) 2-Butanone-d5	7.07	46	478626	75.18	ug/L	0.00
24) Chloroform-d	7.65	84	1411918	41.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	770656	39.82	ug/L	0.00
29) Benzene-d6	8.27	84	2907073	42.30	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	954309	42.37	ug/L	0.00
37) Toluene-d8	10.32	98	2619093	43.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	389396	43.67	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	389527	88.35	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	711317	40.53	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	811501	42.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	510364	37.474 ug/L	90
3) Chloromethane	2.21	50	779583	41.759 ug/L	99
5) Vinyl chloride	2.37	62	986222	52.555 ug/L	99
6) Bromomethane	2.78	94	498968	45.436 ug/L	99
8) Chloroethane	2.93	64	554338	45.497 ug/L	99
9) Trichlorofluoromethane	3.26	101	411887	37.700 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	720632	43.034 ug/L	100
12) 1,1-Dichloroethene	4.04	96	712961	45.144 ug/L	91
13) Acetone	4.12	43	405080	58.839 ug/L	98
14) Carbon disulfide	4.38	76	2107601	43.968 ug/L	99
15) Methyl Acetate	4.67	43	389435	37.796 ug/L	100
16) Methylene chloride	4.91	84	753648	37.742 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	956414	47.719 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	719036	44.365 ug/L	96
19) 1,1-Dichloroethane	6.21	63	1452184	44.127 ug/L	100
21) 2-Butanone	7.16	43	544440	73.692 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	793081	47.343 ug/L	97
23) Bromochloromethane	7.51	128	314622	43.920 ug/L	100
25) Chloroform	7.67	83	1336112	44.471 ug/L	99
27) 1,2-Dichloroethane	8.40	62	898087	42.785 ug/L	100
30) Cyclohexane	7.95	56	1434630	48.691 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1021471	44.650 ug/L	100
32) Carbon tetrachloride	8.07	117	921381	44.336 ug/L	100
34) Benzene	8.32	78	3085770	45.204 ug/L	100
35) Trichloroethene	9.09	95	764395	45.342 ug/L	99
36) Methylcyclohexane	9.34	83	1406886	47.648 ug/L	99
40) 1,2-Dichloropropane	9.37	63	831170	45.147 ug/L	100
41) Bromodichloromethane	9.64	83	972343	46.091 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	1270469	49.577 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1150505	85.108 ug/L	99

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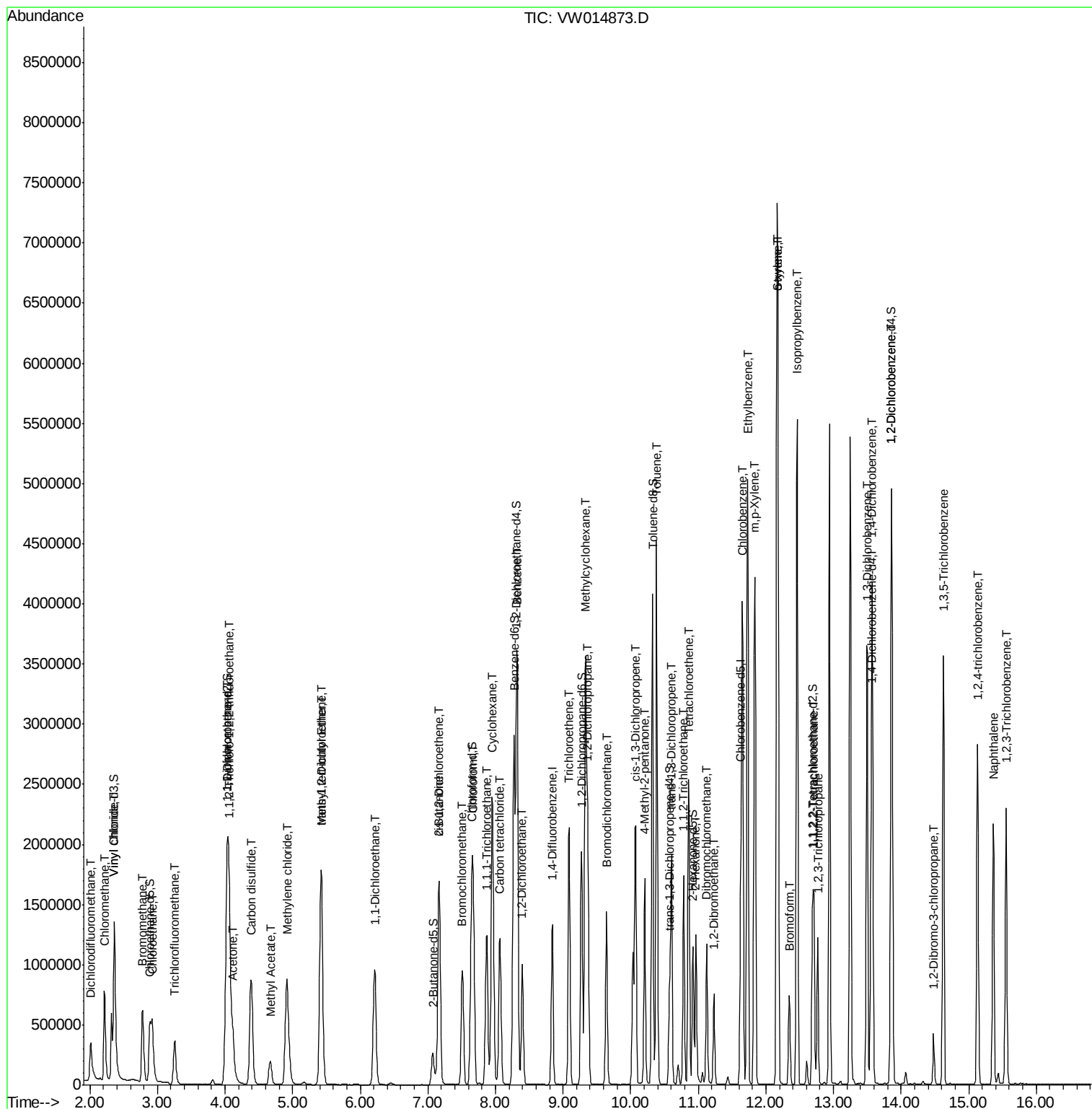
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	3219430	47.139	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	1010176	47.903	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	550461	45.184	ug/L	99
47) Tetrachloroethene	10.86	164	558502	44.407	ug/L	97
49) 2-Hexanone	10.96	43	818463	87.748	ug/L	100
50) Dibromochloromethane	11.13	129	610027	46.576	ug/L	99
51) 1,2-Dibromoethane	11.23	107	511097	44.618	ug/L	98
52) Chlorobenzene	11.65	112	1947755	46.749	ug/L	98
53) Ethylbenzene	11.73	91	3597078	48.609	ug/L	100
54) m,p-Xylene	11.83	106	1324740	48.920	ug/L	99
55) o-xylene	12.16	106	1279338	50.711	ug/L	95
56) Styrene	12.18	104	2191461	51.012	ug/L	100
57) Isopropylbenzene	12.46	105	3428611	50.257	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	682903	42.702	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	509241	41.593	ug/L	99
62) Bromoform	12.35	173	327030	43.518	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1437454	47.142	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	1421870	46.261	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	1311608	47.247	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	110507	40.784	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	1045859	48.407	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	855085	50.657	ug/L	98
69) Naphthalene	15.36	128	1764413	51.520	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	776841	49.800	ug/L	99

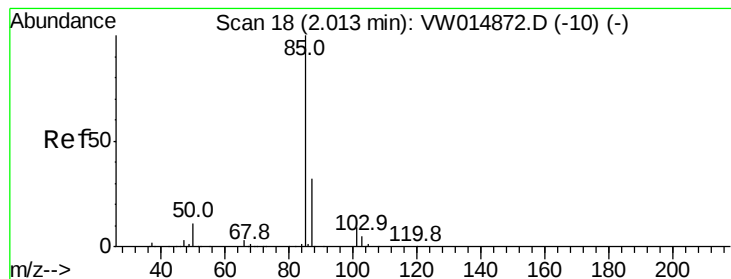
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 37.474 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

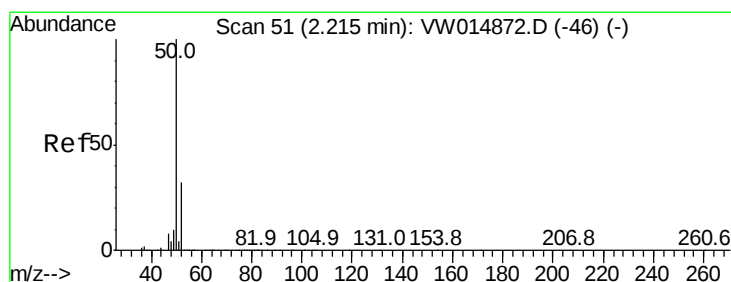
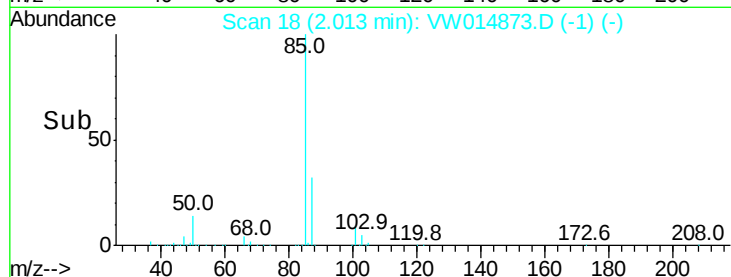
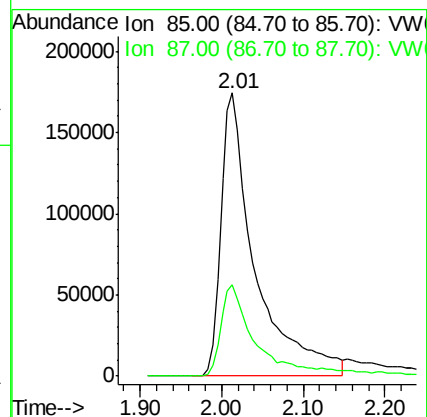
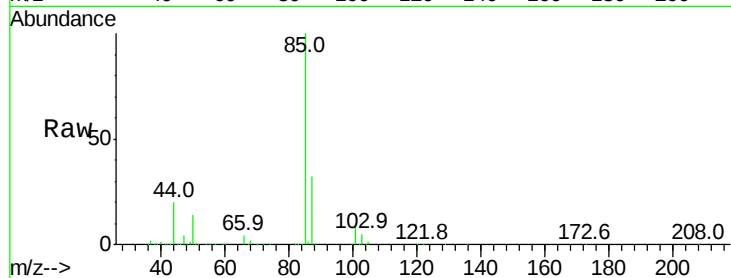
VSTD05003

Tgt Ion: 85 Resp: 510364

Ion Ratio Lower Upper

85 100

87 31.0 18.1 33.7



#3

Chloromethane

Concen: 41.759 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014873.D

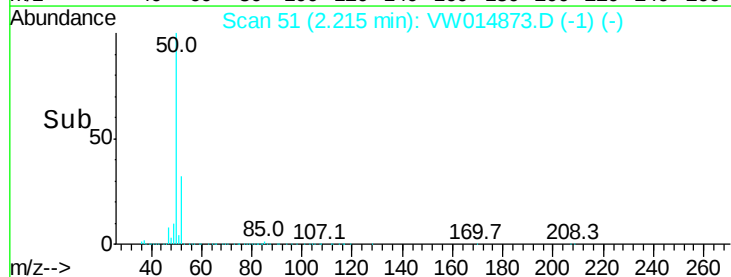
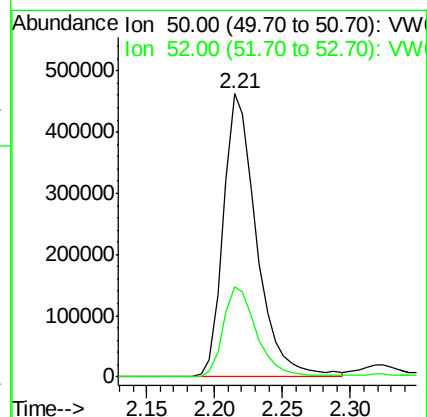
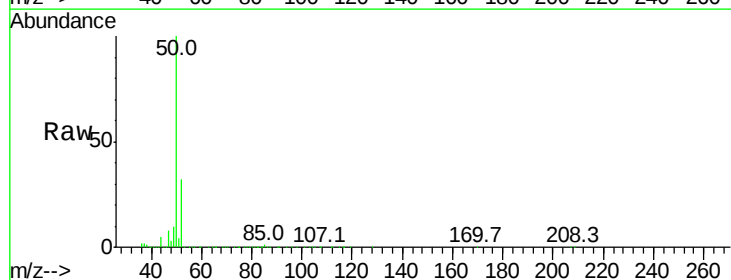
Acq: 05 Feb 2020 14:40

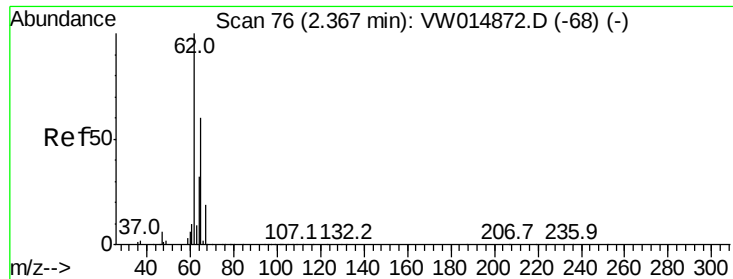
Tgt Ion: 50 Resp: 779583

Ion Ratio Lower Upper

50 100

52 32.1 22.1 41.1





#5

Vinyl chloride

Concen: 52.555 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

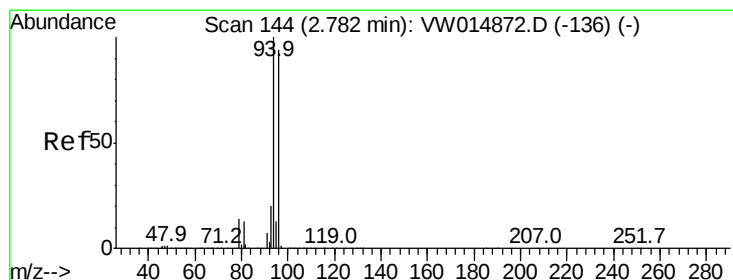
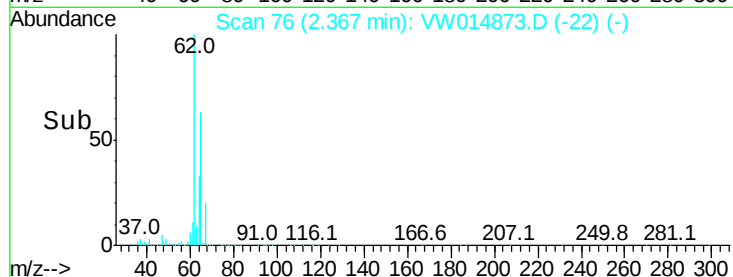
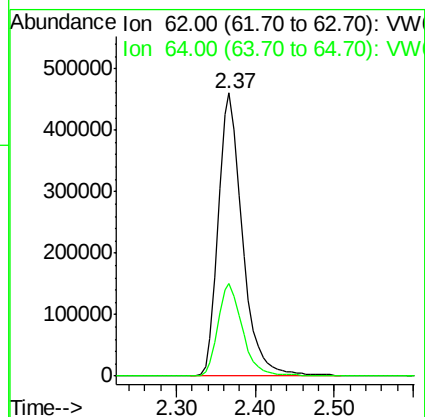
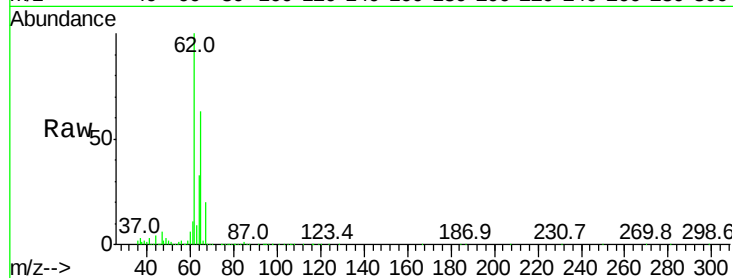
VSTD05003

Tgt Ion: 62 Resp: 986222

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.9



#6

Bromomethane

Concen: 45.436 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014873.D

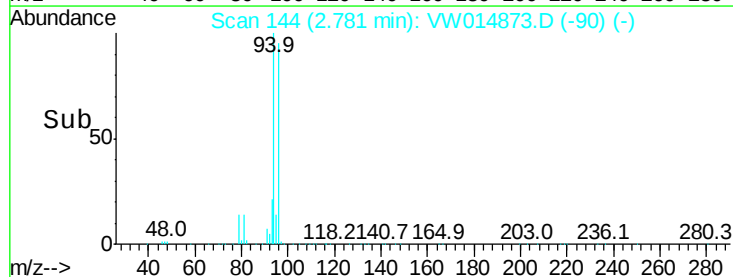
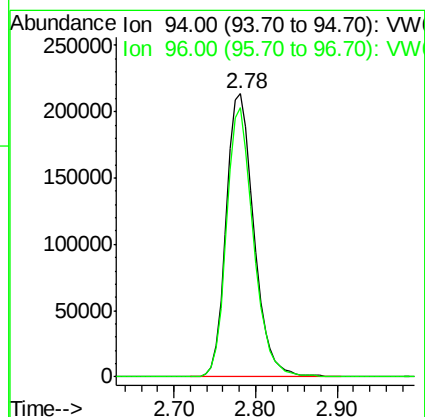
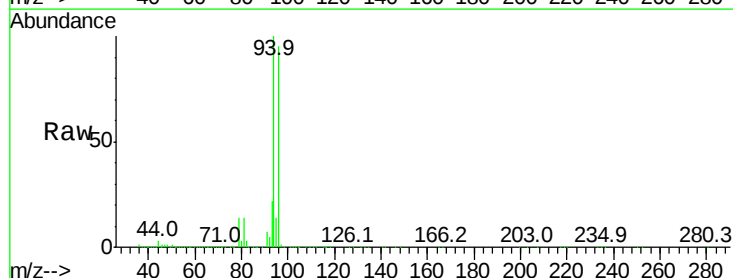
Acq: 05 Feb 2020 14:40

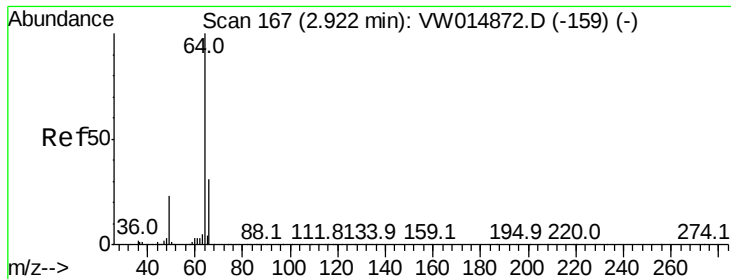
Tgt Ion: 94 Resp: 498968

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.0





#8

Chloroethane

Concen: 45.497 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

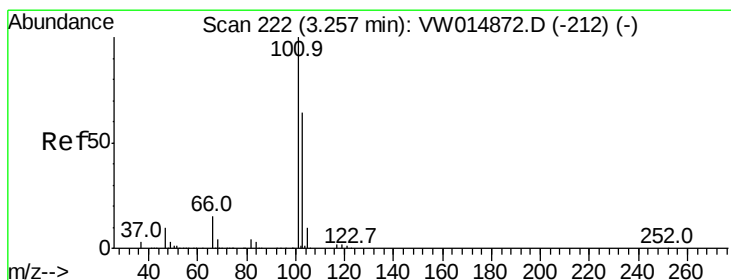
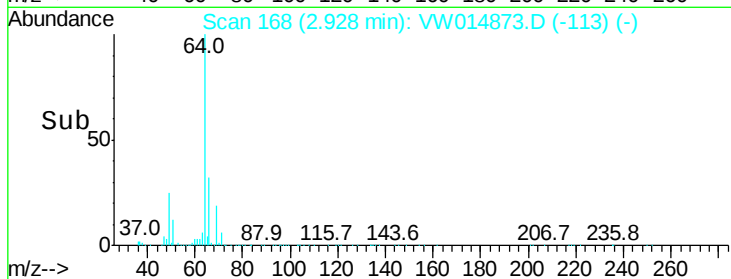
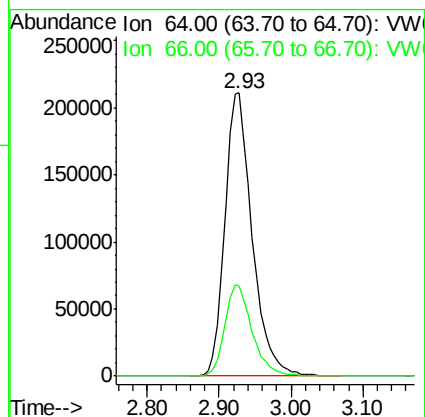
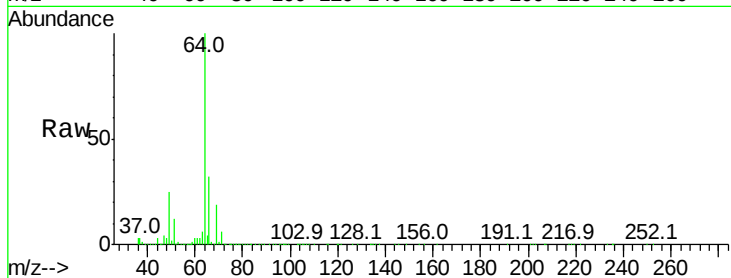
VSTD05003

Tgt Ion: 64 Resp: 554338

Ion Ratio Lower Upper

64 100

66 32.0 21.9 40.7



#9

Trichlorofluoromethane

Concen: 37.700 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014873.D

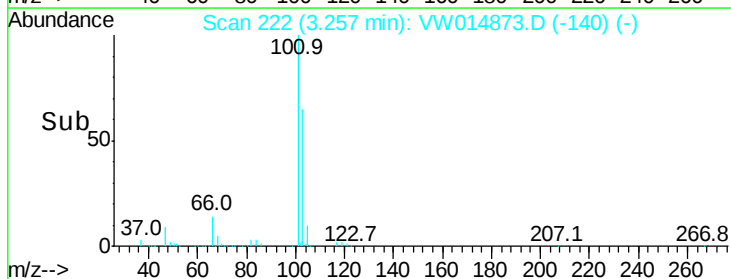
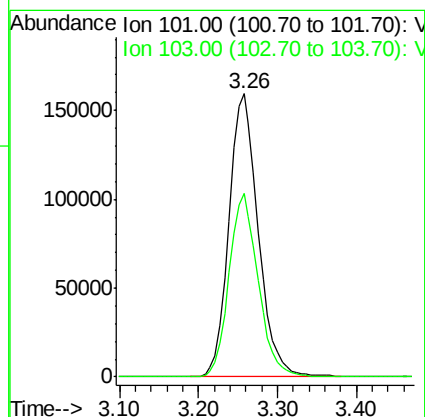
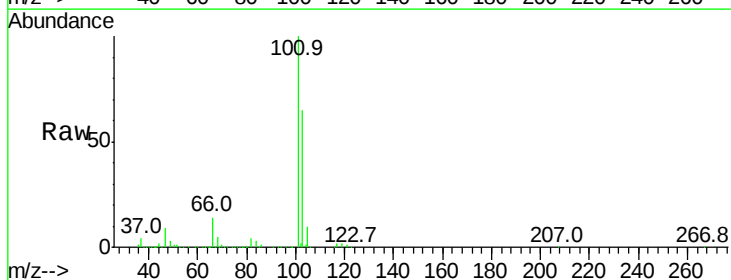
Acq: 05 Feb 2020 14:40

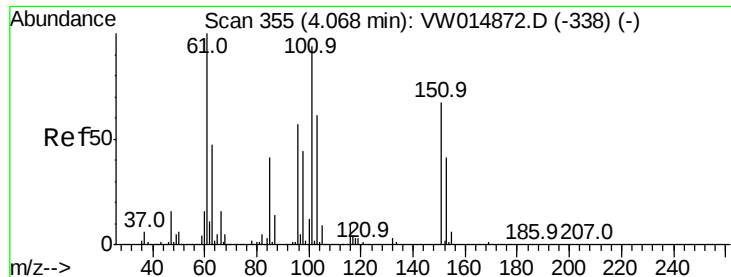
Tgt Ion: 101 Resp: 411887

Ion Ratio Lower Upper

101 100

103 64.2 45.8 85.0





#11

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

Concen: 43.034 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

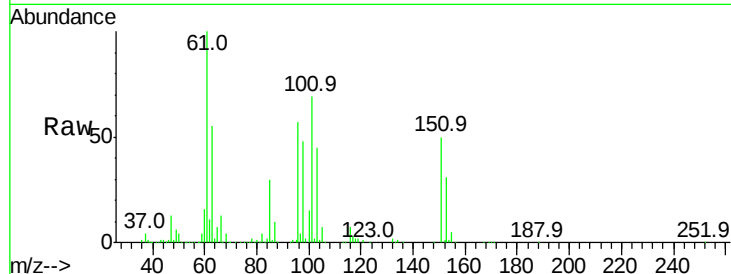
Tgt Ion: 101 Resp: 720632

Ion Ratio Lower Upper

101 100

85 43.4 34.8 52.2

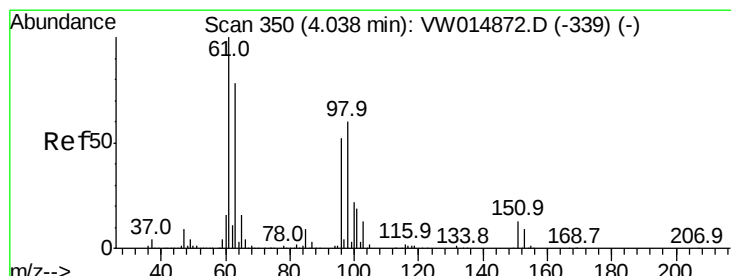
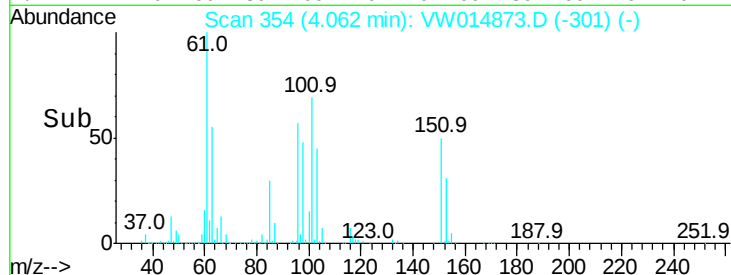
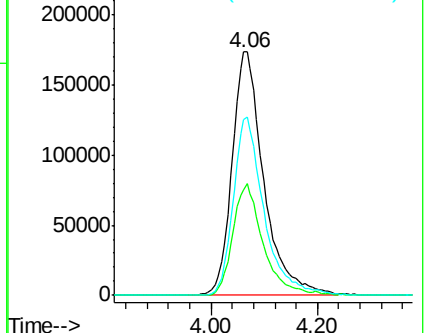
151 69.8 56.3 84.5



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: 45.144 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

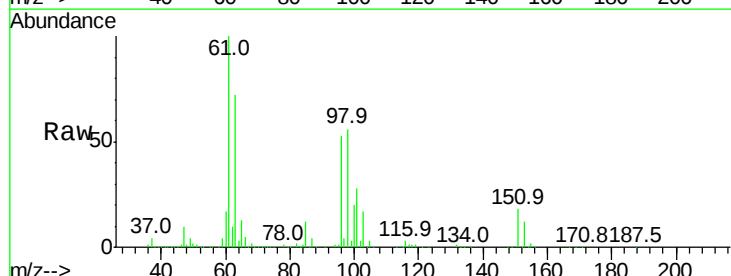
Tgt Ion: 96 Resp: 712961

Ion Ratio Lower Upper

96 100

61 188.7 134.7 250.1

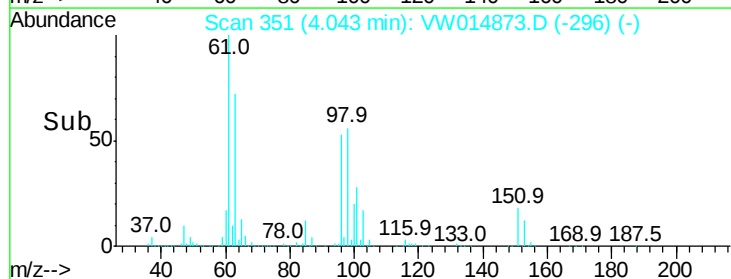
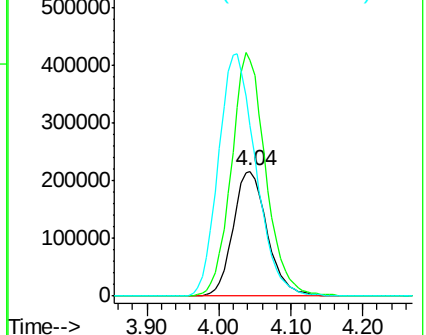
63 136.7 110.2 204.8

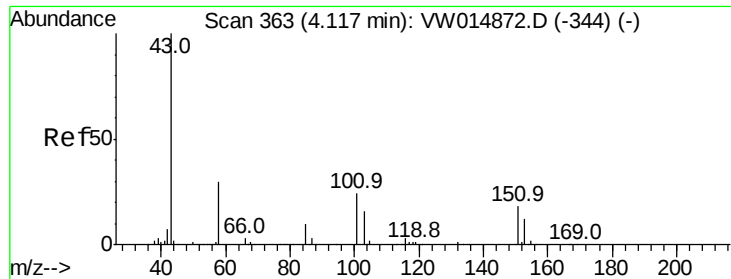


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.839 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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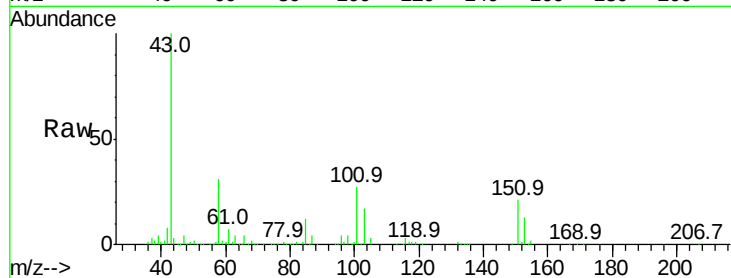
VSTD05003

Tgt Ion: 43 Resp: 405080

Ion Ratio Lower Upper

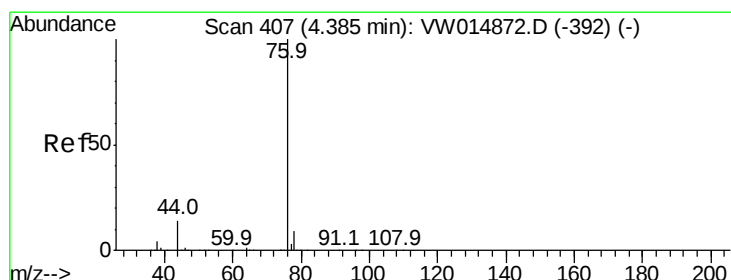
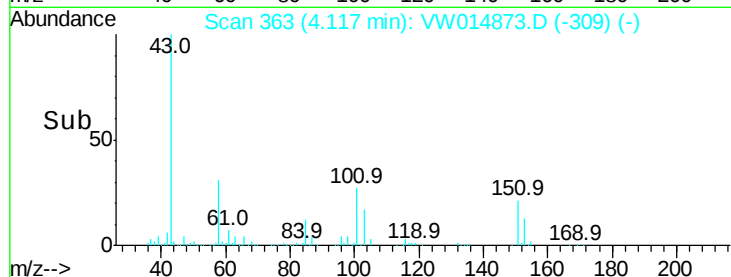
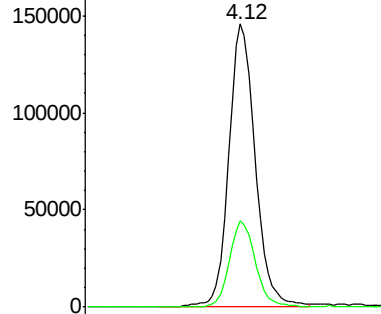
43 100

58 29.3 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 43.968 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014873.D

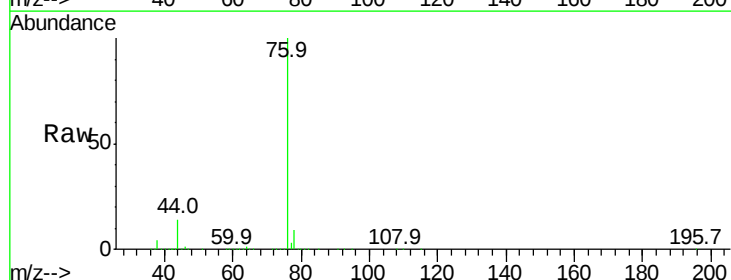
Acq: 05 Feb 2020 14:40

Tgt Ion: 76 Resp: 2107601

Ion Ratio Lower Upper

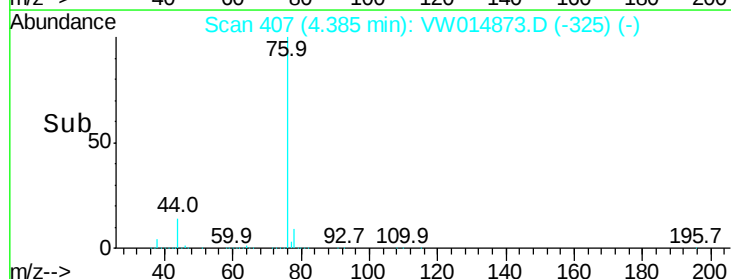
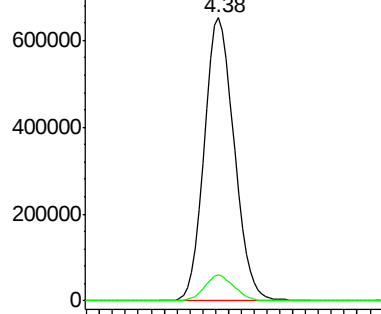
76 100

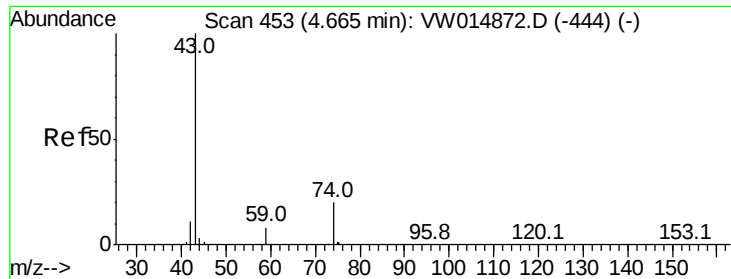
78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

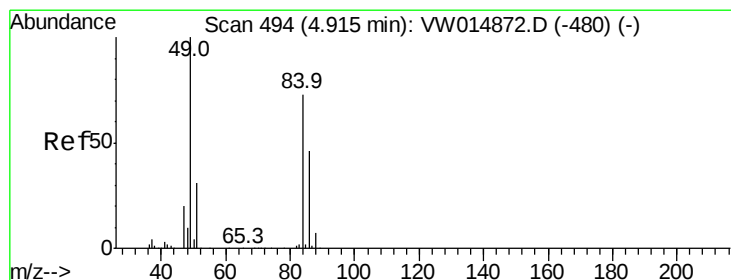
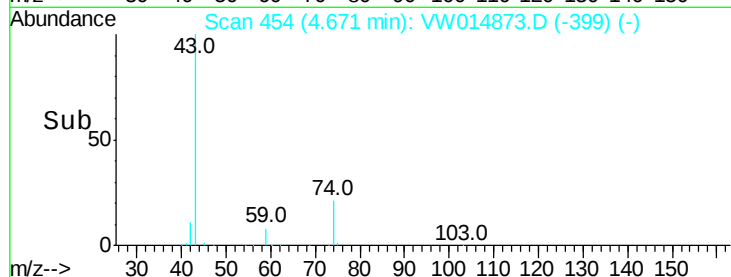
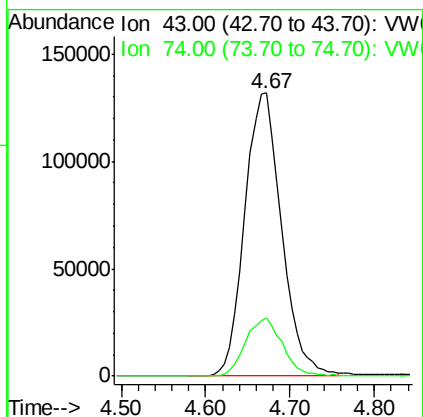
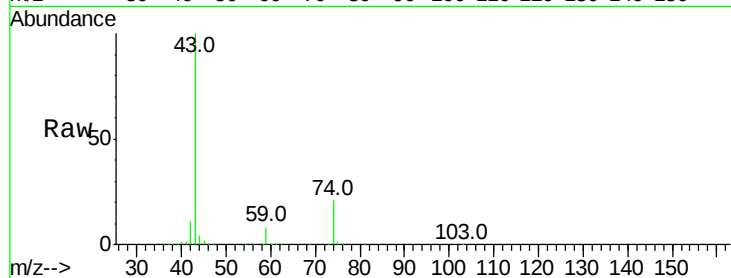




#15
Methyl Acetate
Concen: 37.796 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

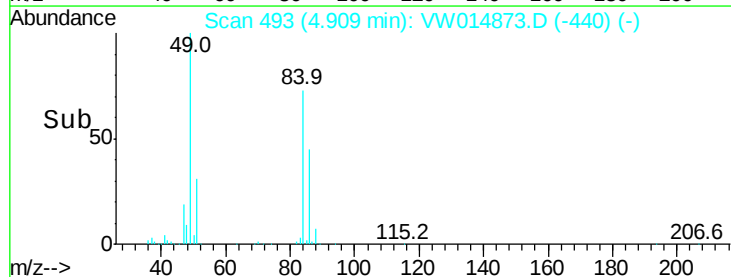
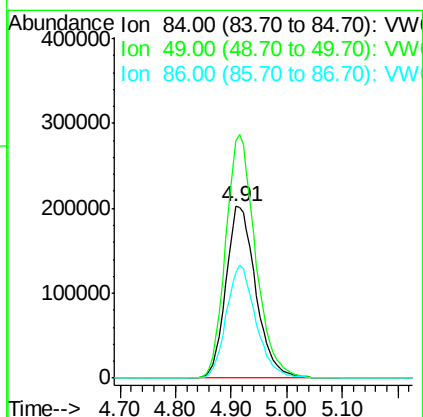
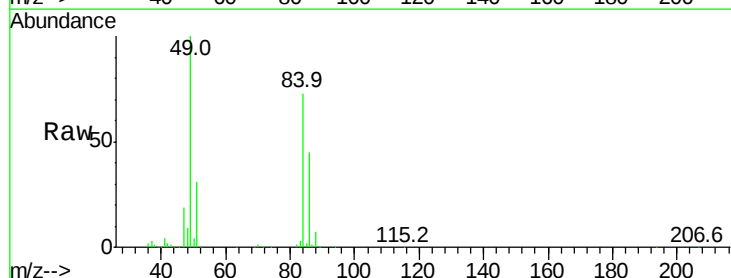
Instrument :
MSVOA_W
ClientSampled :
VSTD05003

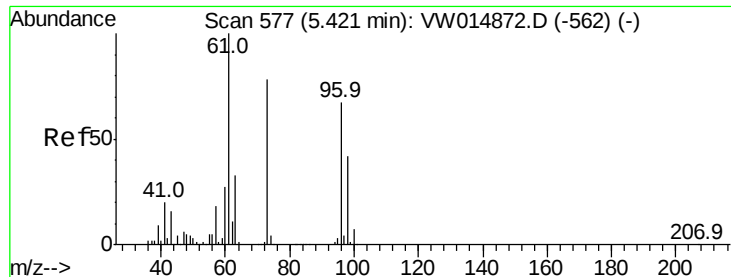
Tgt Ion: 43 Resp: 389435
Ion Ratio Lower Upper
43 100
74 20.6 16.5 24.7



#16
Methylene chloride
Concen: 37.742 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 84 Resp: 753648
Ion Ratio Lower Upper
84 100
49 137.8 95.8 177.8
86 61.3 44.2 82.2

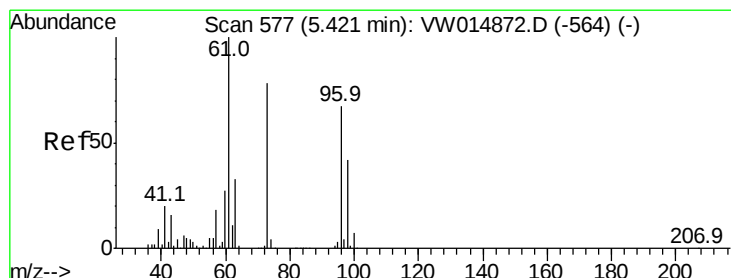
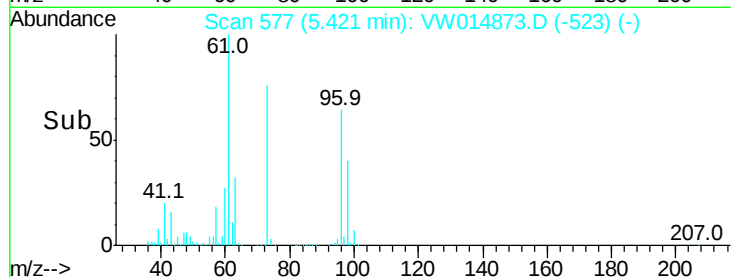
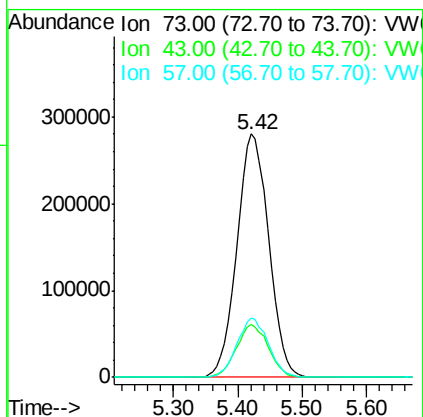
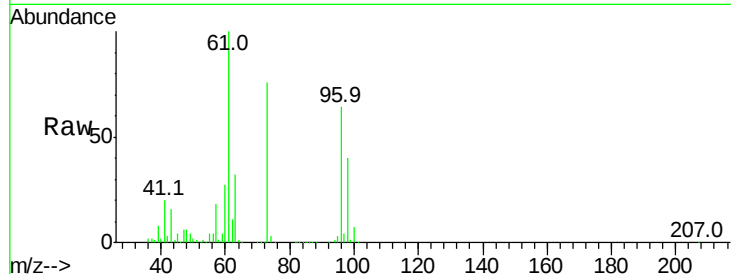




#17
Methyl tert-butyl Ether
Concen: 47.719 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

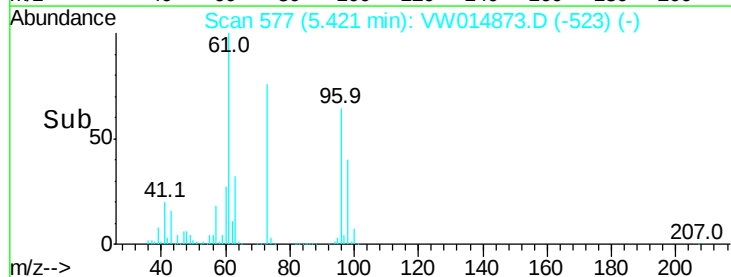
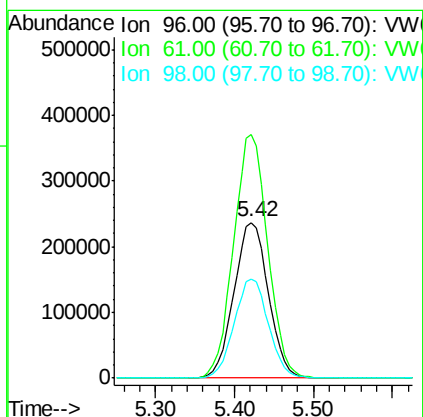
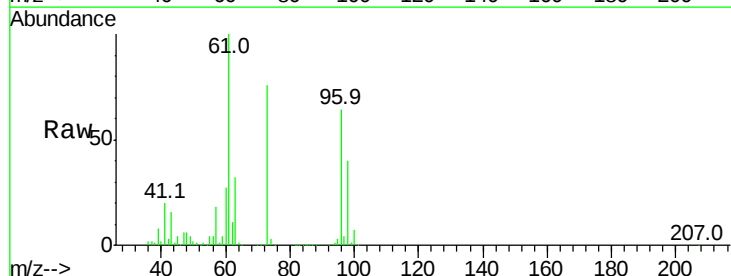
Instrument :
MSVOA_W
ClientSampled :
VSTD05003

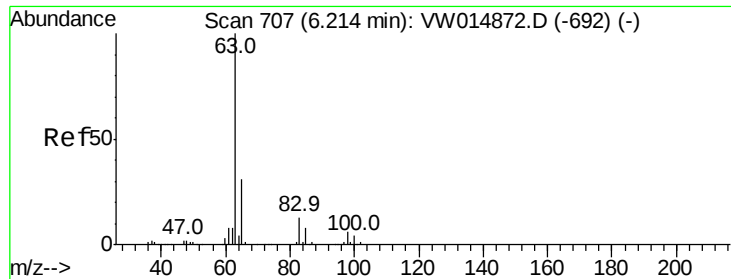
Tgt Ion: 73 Resp: 956414
Ion Ratio Lower Upper
73 100
43 21.8 17.5 26.3
57 24.1 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 44.365 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 96 Resp: 719036
Ion Ratio Lower Upper
96 100
61 156.5 104.4 194.0
98 63.3 43.8 81.3





#19

1,1-Dichloroethane

Concen: 44.127 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

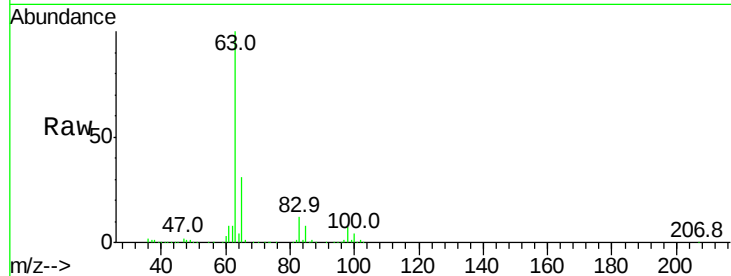
Tgt Ion: 63 Resp: 1452184

Ion Ratio Lower Upper

63 100

65 30.7 21.5 39.9

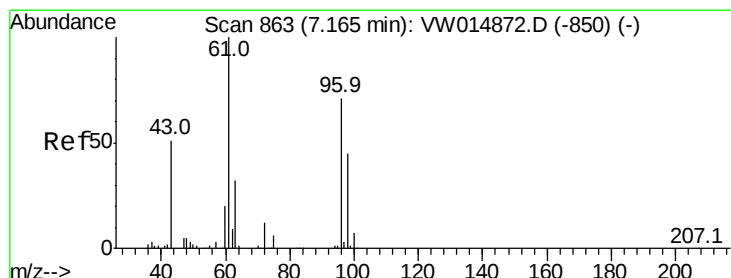
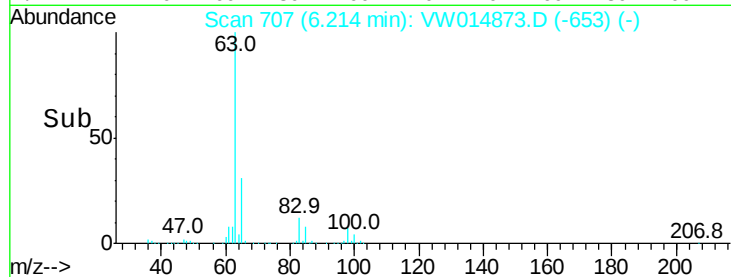
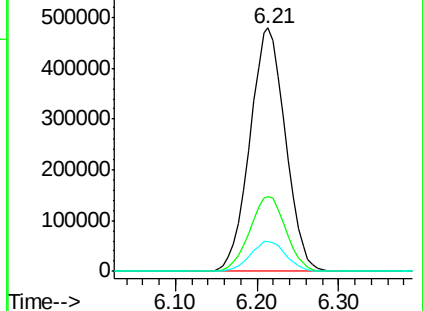
83 12.5 8.8 16.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 73.692 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014873.D

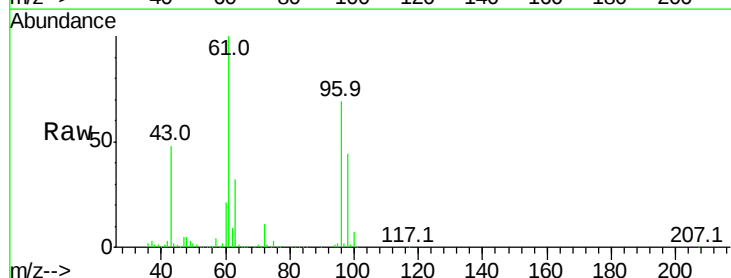
Acq: 05 Feb 2020 14:40

Tgt Ion: 43 Resp: 544440

Ion Ratio Lower Upper

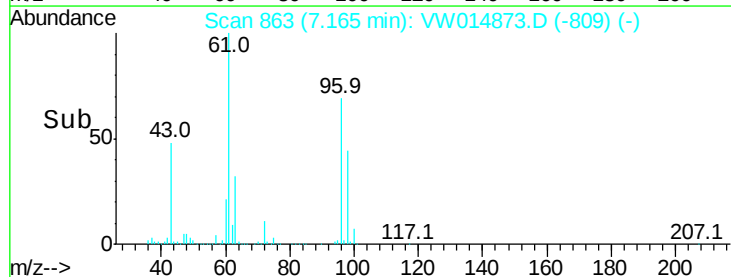
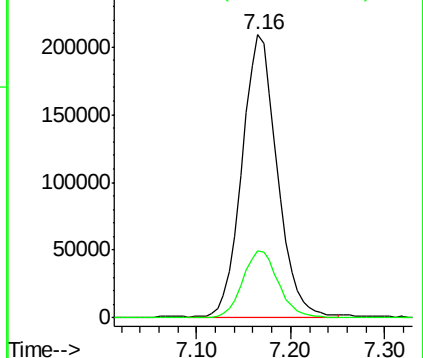
43 100

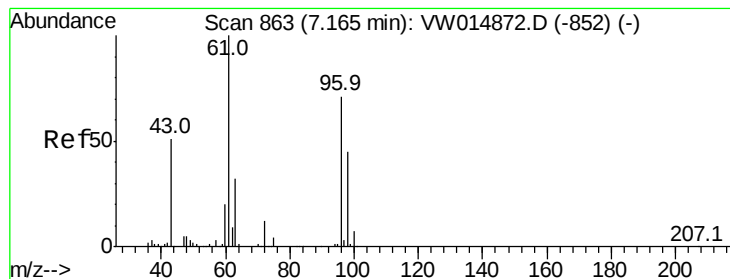
72 24.4 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



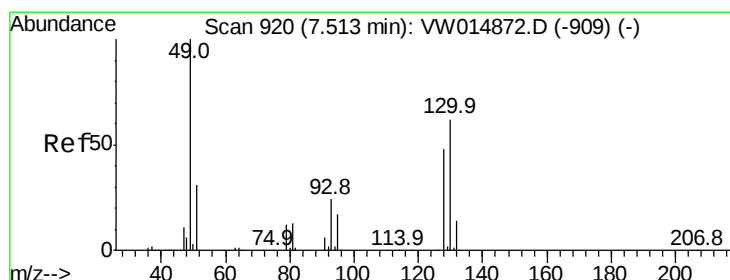
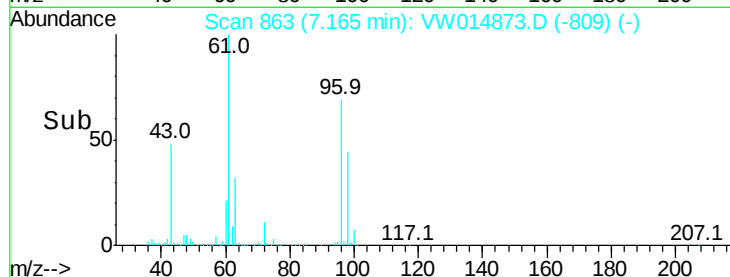
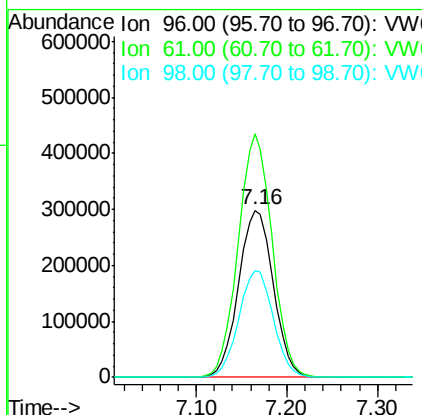
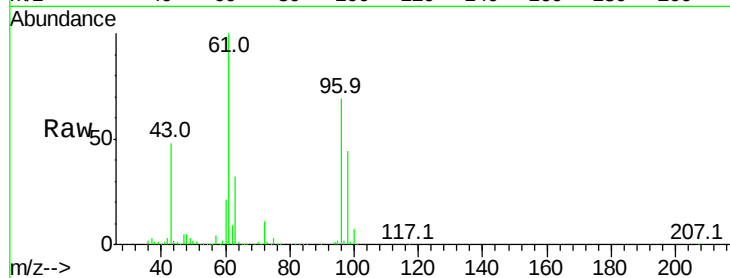


#22

cis-1,2-Dichloroethene
Concen: 47.343 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Instrument :
MSVOA_W
ClientSampled :
VSTD05003

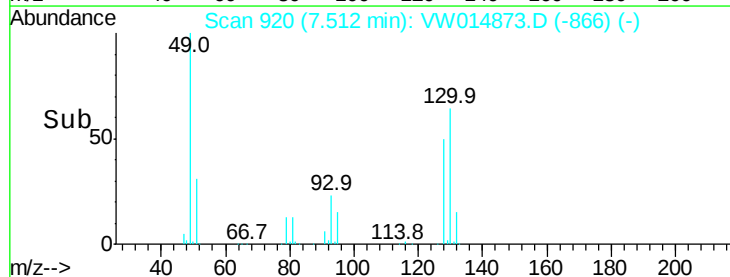
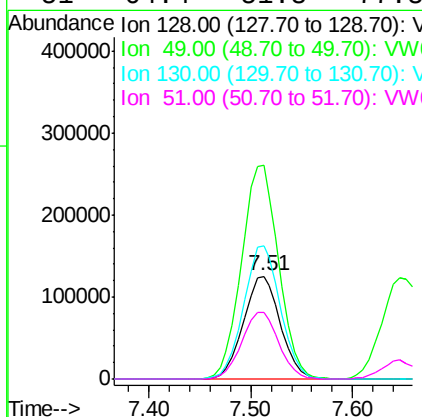
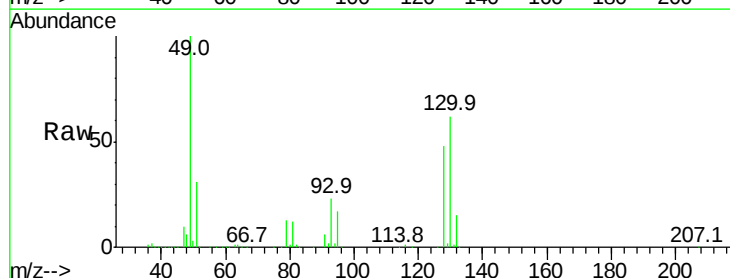
Tgt Ion: 96 Resp: 793081
Ion Ratio Lower Upper
96 100
61 145.9 98.6 183.0
98 64.0 44.2 82.2

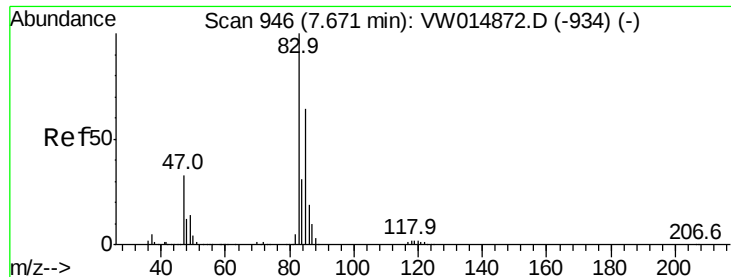


#23

Bromochloromethane
Concen: 43.920 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 128 Resp: 314622
Ion Ratio Lower Upper
128 100
49 208.1 146.0 271.2
130 129.8 90.9 168.9
51 64.4 51.8 77.8





#25

Chloroform

Concen: 44.471 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

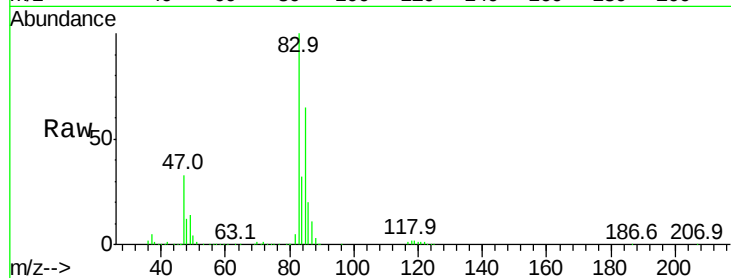
VSTD05003

Tgt Ion: 83 Resp: 1336112

Ion Ratio Lower Upper

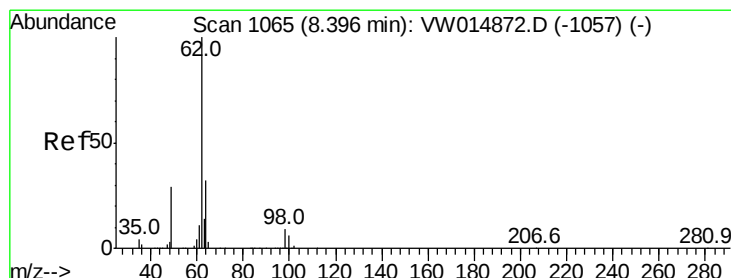
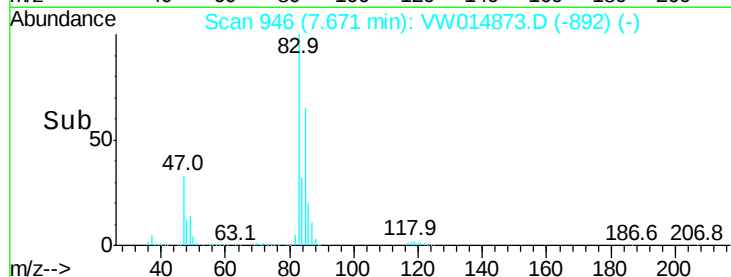
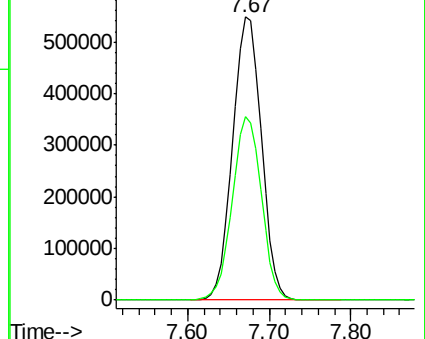
83 100

85 65.4 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 42.785 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014873.D

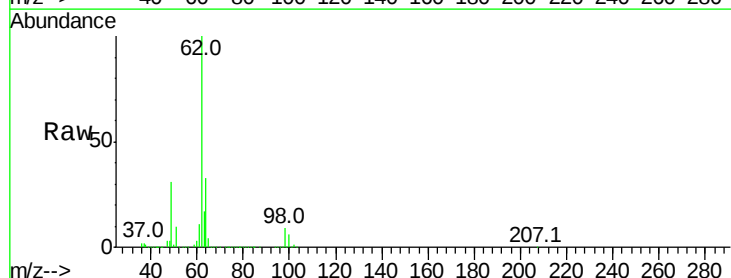
Acq: 05 Feb 2020 14:40

Tgt Ion: 62 Resp: 898087

Ion Ratio Lower Upper

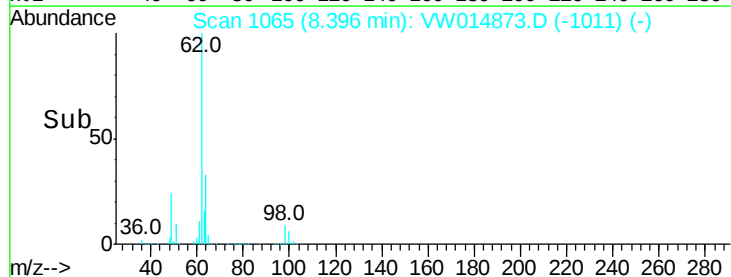
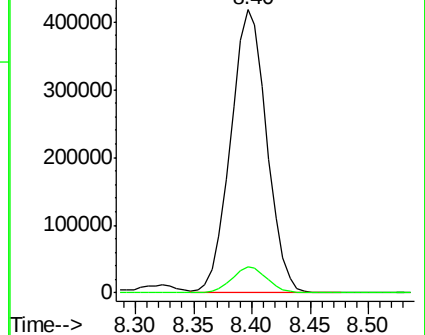
62 100

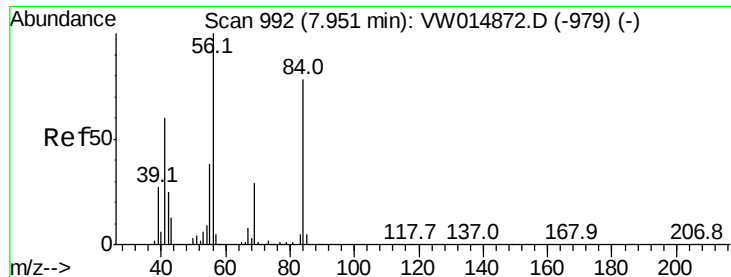
98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

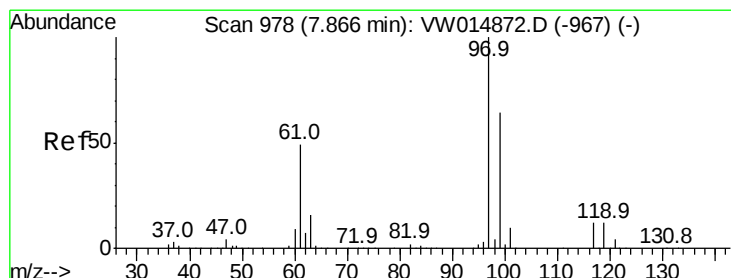
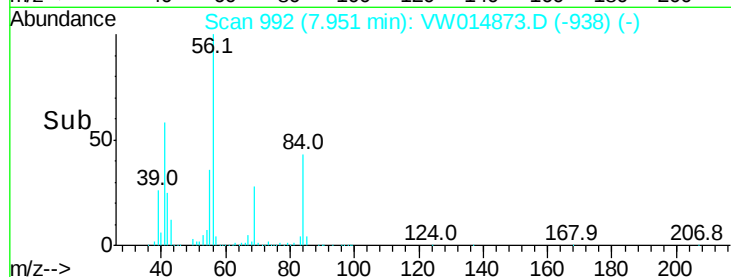
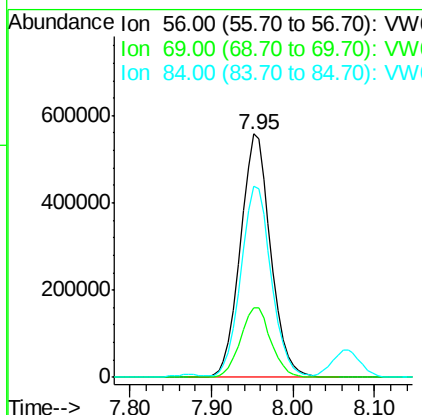
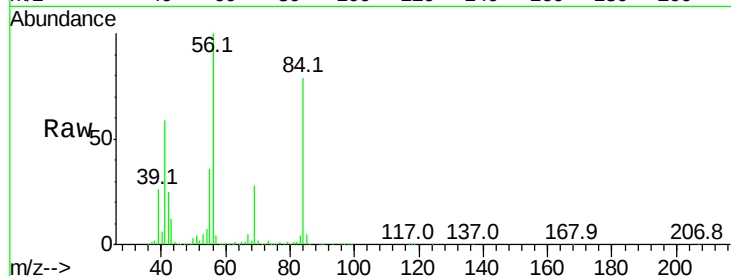




#30
Cyclohexane
Concen: 48.691 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

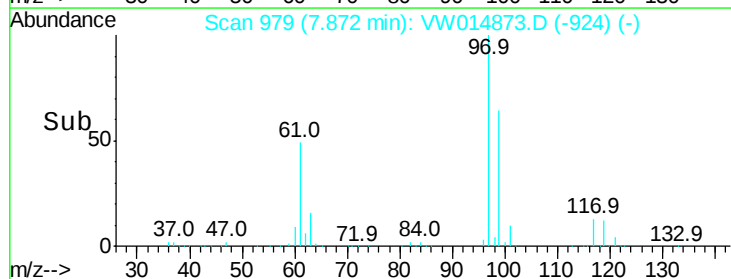
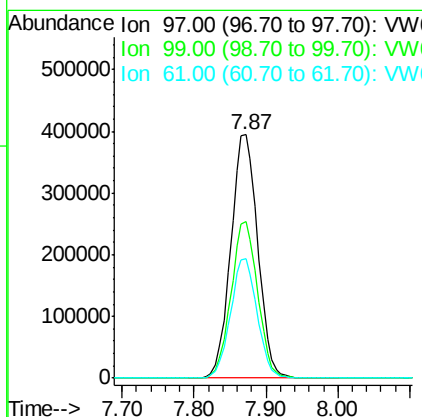
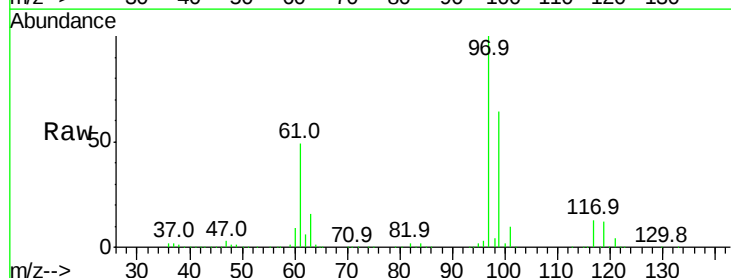
Instrument :
MSVOA_W
ClientSampled :
VSTD05003

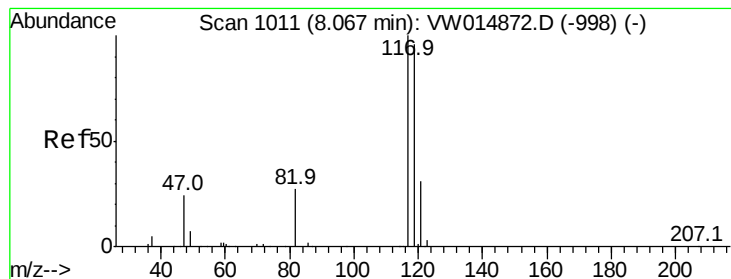
Tgt Ion: 56 Resp: 1434630
Ion Ratio Lower Upper
56 100
69 28.9 22.9 34.3
84 79.5 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 44.650 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 97 Resp: 1021471
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 48.6 38.9 58.3





#32

Carbon tetrachloride

Concen: 44.336 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

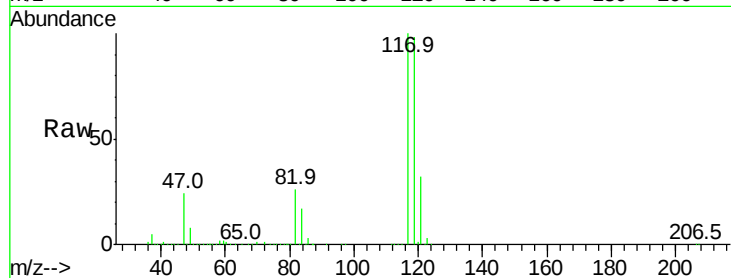
VSTD05003

Tgt Ion:117 Resp: 921381

Ion Ratio Lower Upper

117 100

119 95.9 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

400000

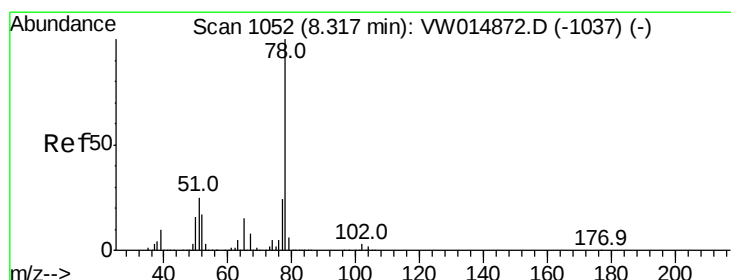
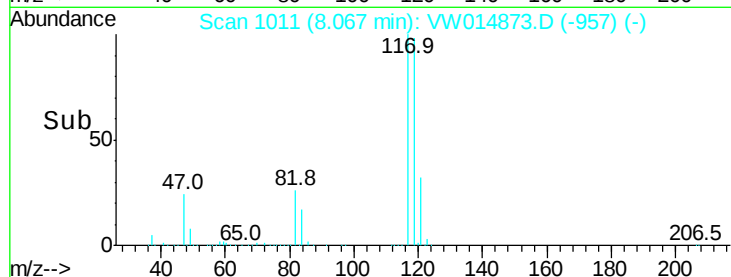
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 45.204 ug/L

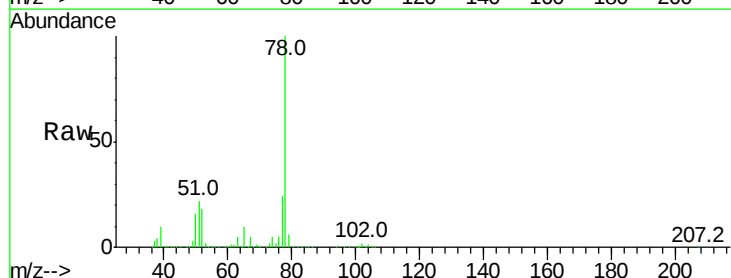
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Tgt Ion: 78 Resp: 3085770



Abundance Ion 78.00 (77.70 to 78.70): VW

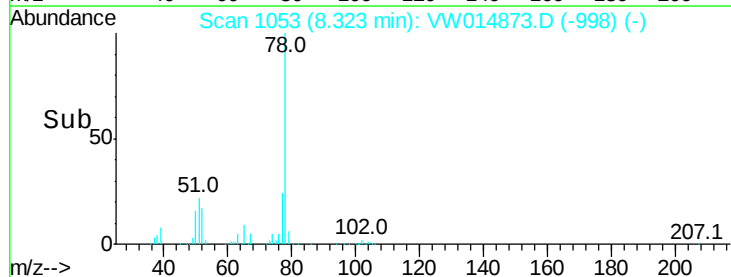
1500000

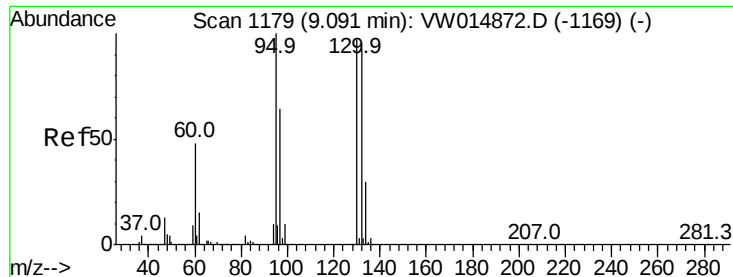
1000000

500000

0

Time-->

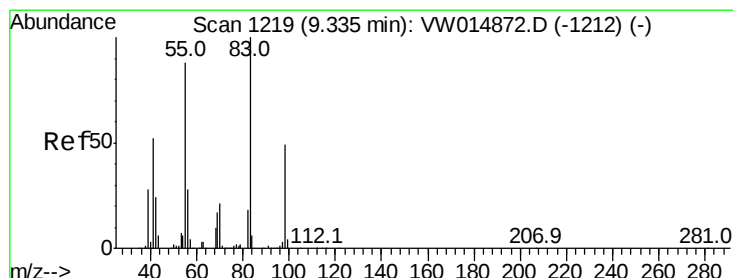
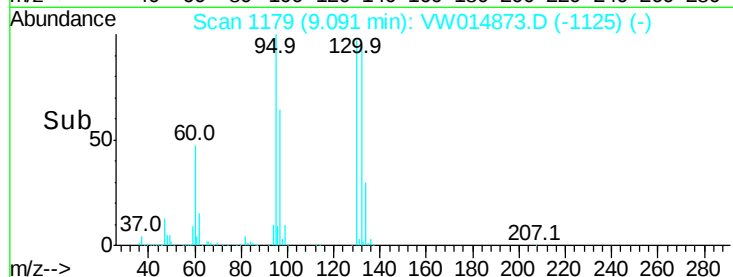
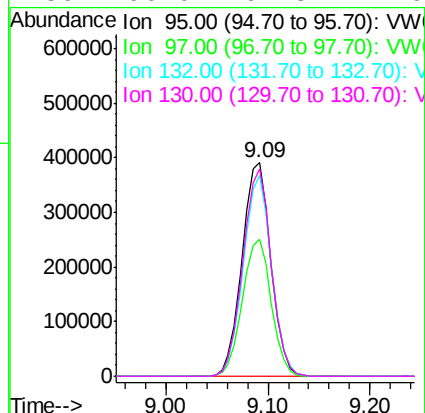
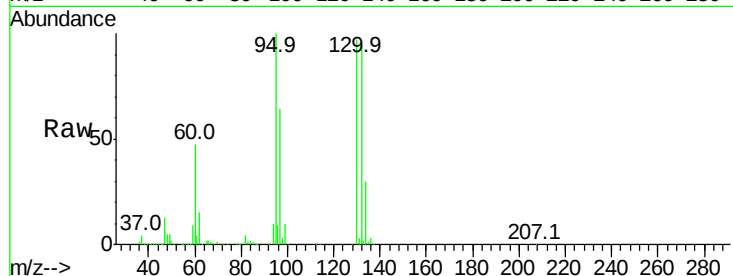




#35
 Trichloroethene
 Concen: 45.342 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

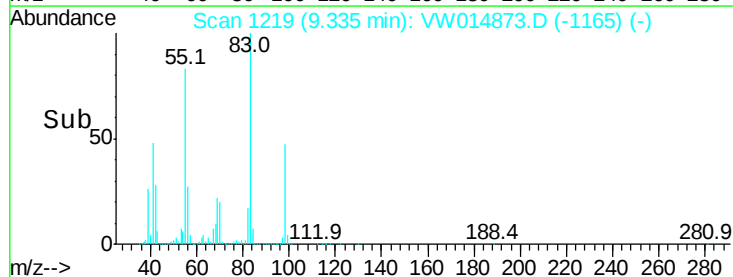
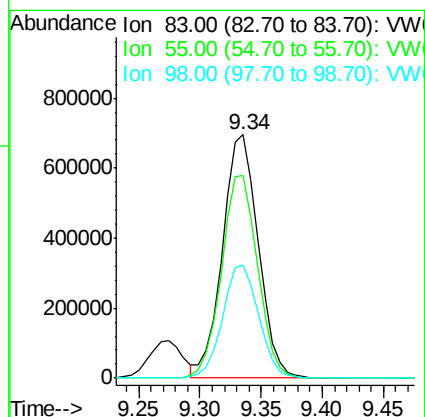
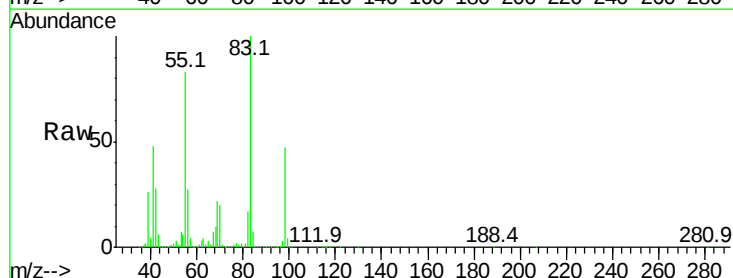
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

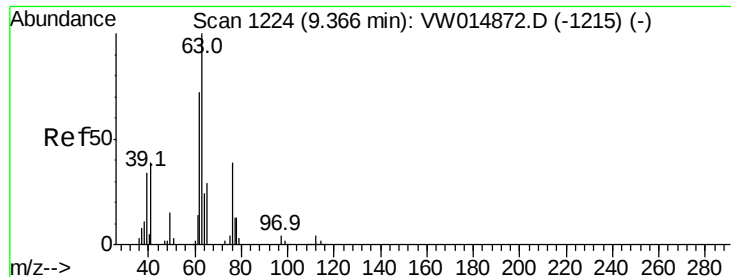
Tgt Ion: 95 Resp: 764395
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.4 82.5
 132 92.4 63.6 118.0
 130 96.0 67.3 124.9



#36
 Methylcyclohexane
 Concen: 47.648 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

Tgt Ion: 83 Resp: 1406886
 Ion Ratio Lower Upper
 83 100
 55 84.2 68.0 102.0
 98 46.9 37.8 56.6

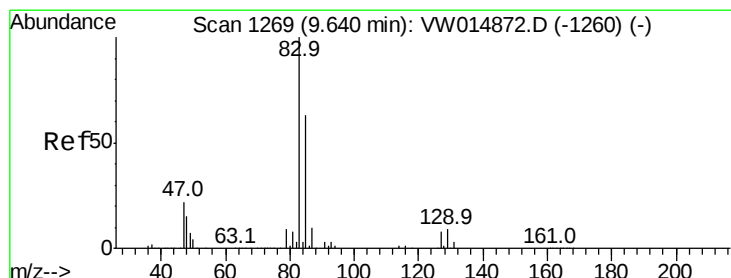
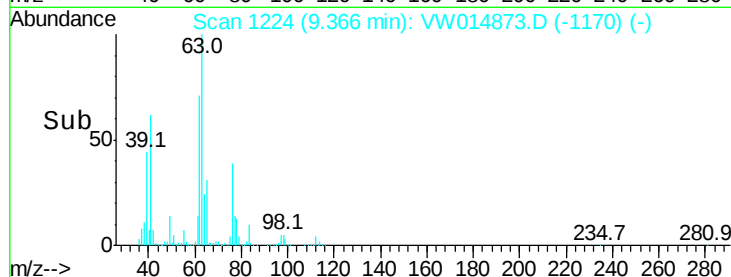
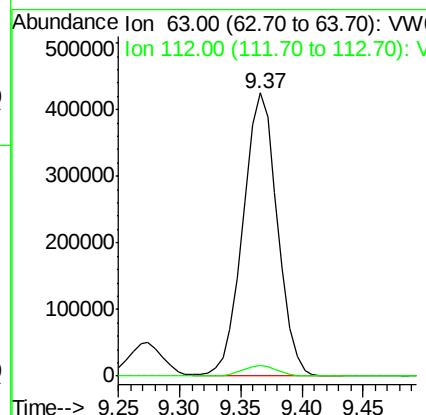
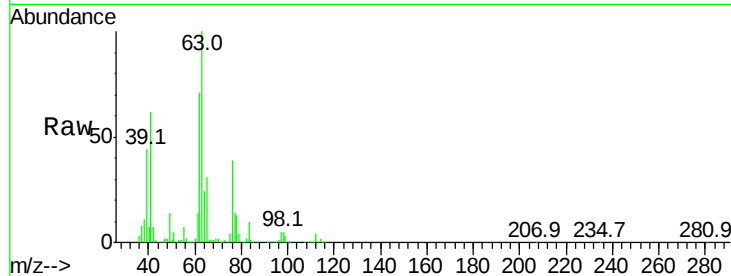




#40
1,2-Dichloropropane
Concen: 45.147 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

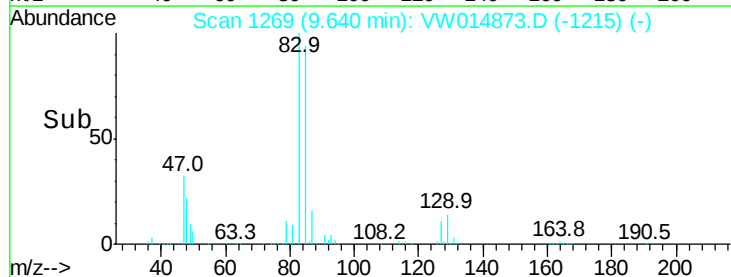
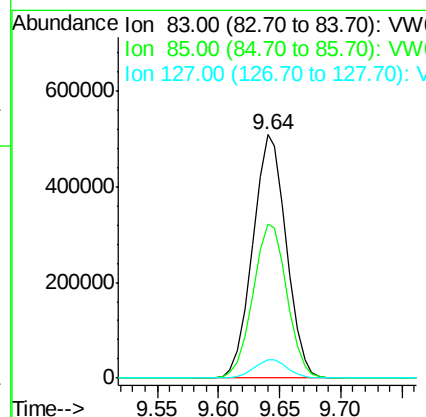
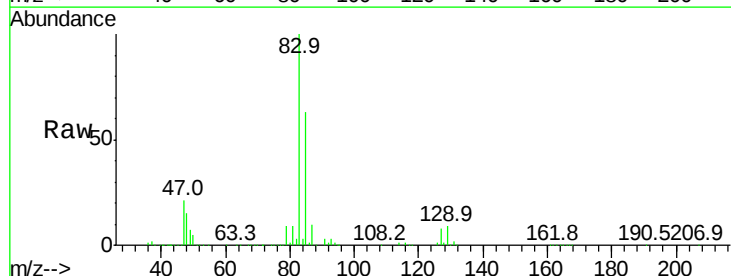
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

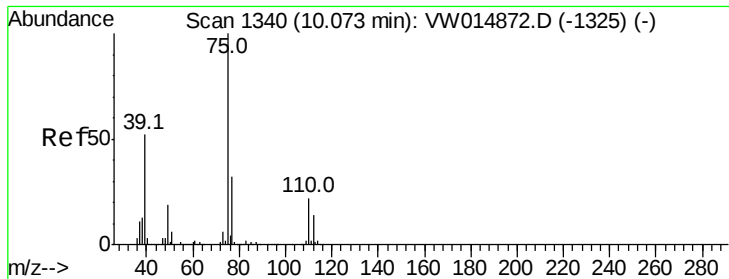
Tgt Ion: 63 Resp: 831170
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#41
Bromodichloromethane
Concen: 46.091 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 83 Resp: 972343
Ion Ratio Lower Upper
83 100
85 63.4 44.2 82.0
127 7.7 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 49.577 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

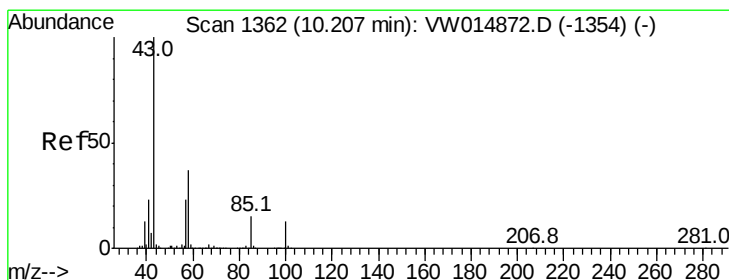
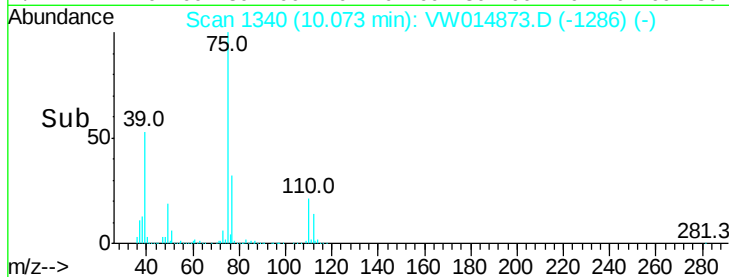
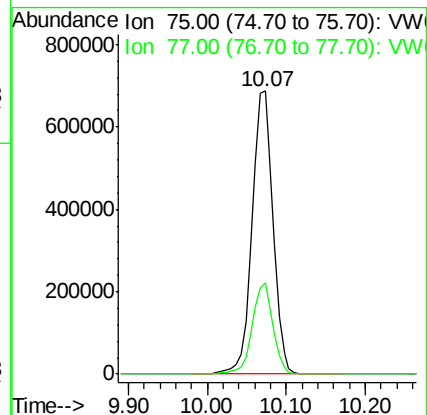
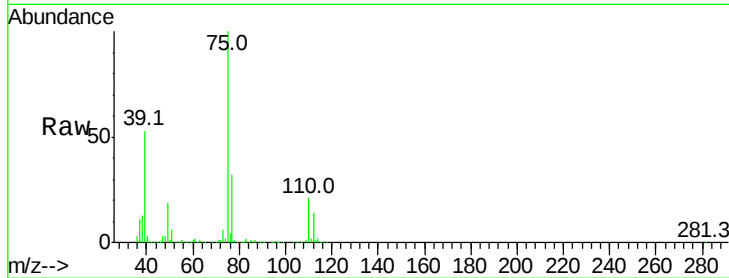
VSTD05003

Tgt Ion: 75 Resp: 1270469

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 85.108 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

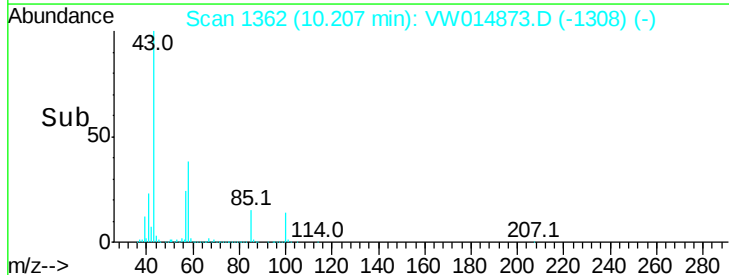
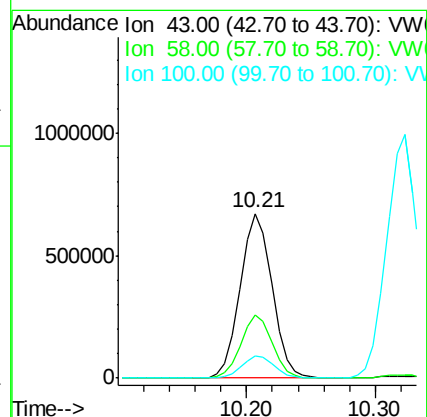
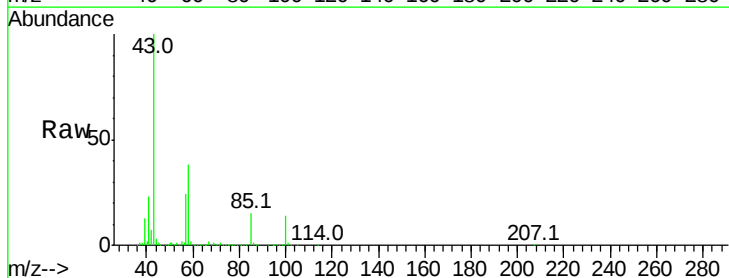
Tgt Ion: 43 Resp: 1150505

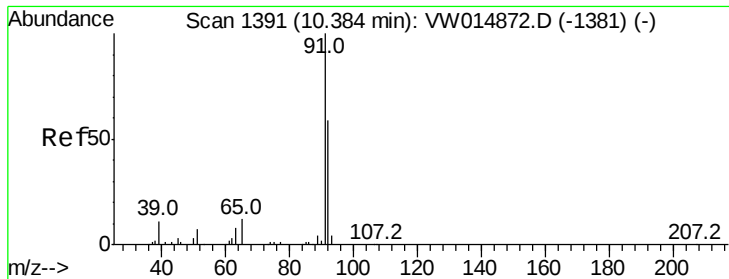
Ion Ratio Lower Upper

43 100

58 37.8 30.0 45.0

100 13.7 10.6 15.8





#44

Toluene

Concen: 47.139 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

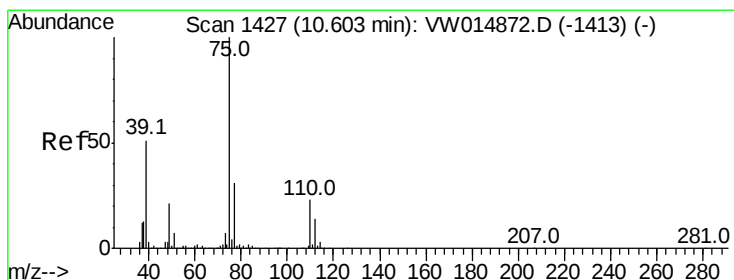
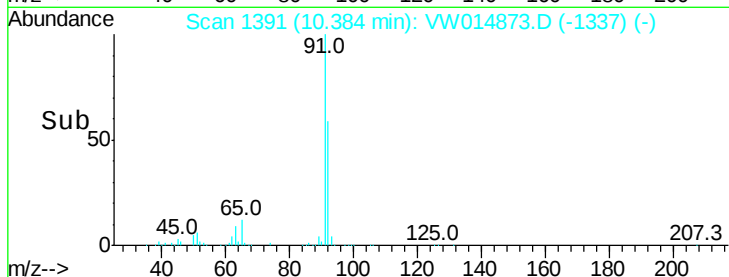
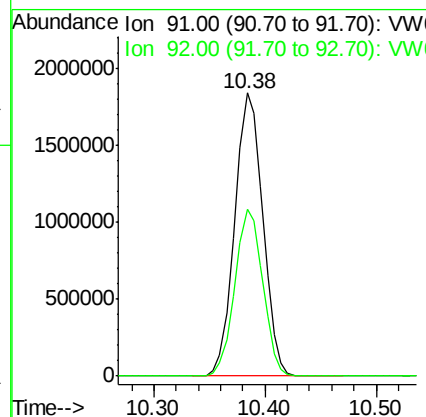
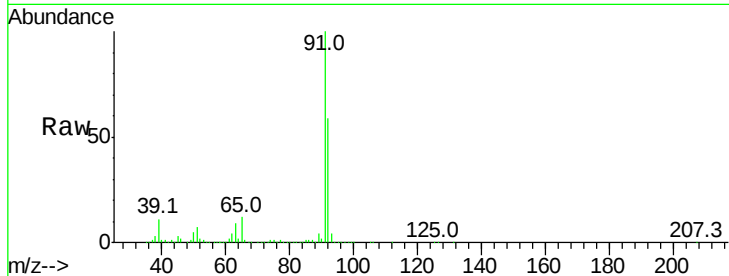
VSTD05003

Tgt Ion: 91 Resp: 3219430

Ion Ratio Lower Upper

91 100

92 58.8 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 47.903 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014873.D

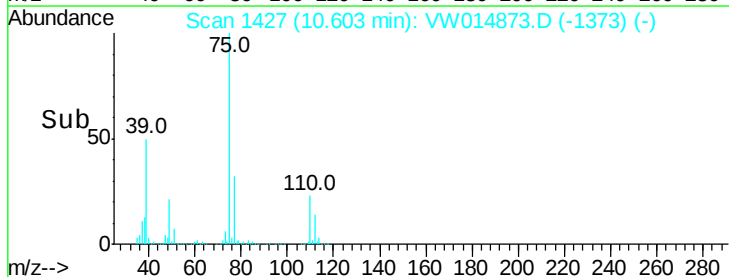
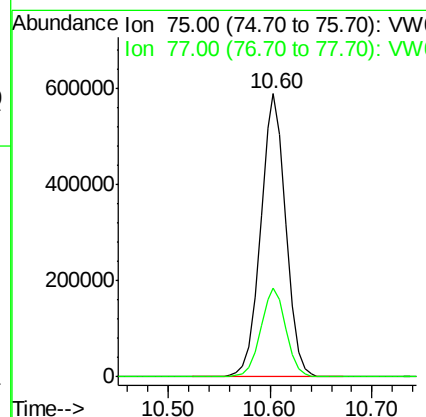
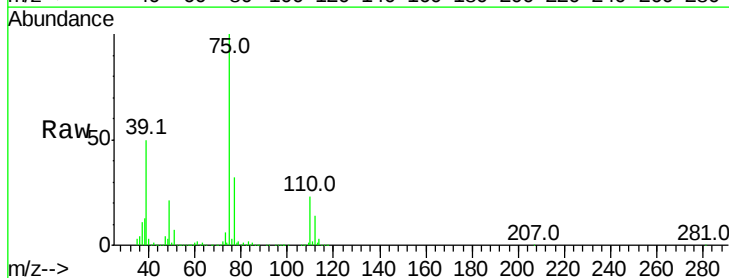
Acq: 05 Feb 2020 14:40

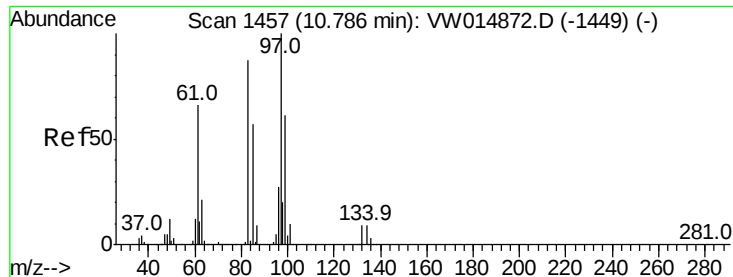
Tgt Ion: 75 Resp: 1010176

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 45.184 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

Tgt Ion: 97 Resp: 550461

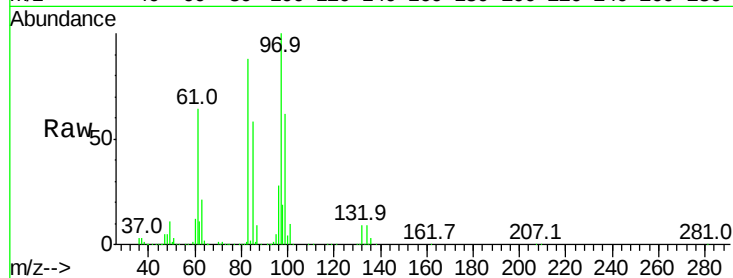
Ion Ratio Lower Upper

97 100

83 87.5 60.8 112.8

85 57.5 39.9 74.1

99 61.9 42.8 79.6



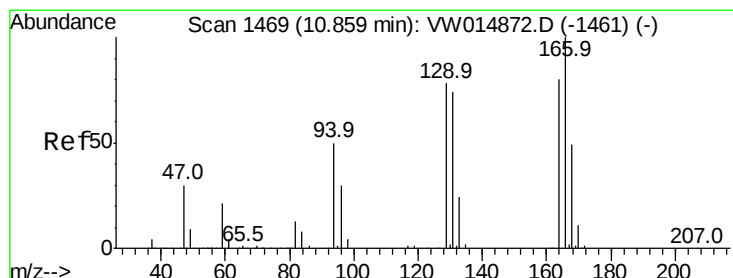
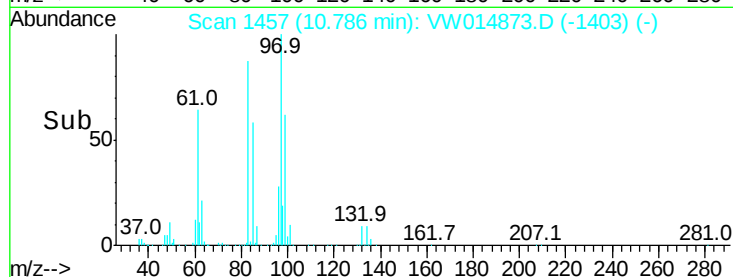
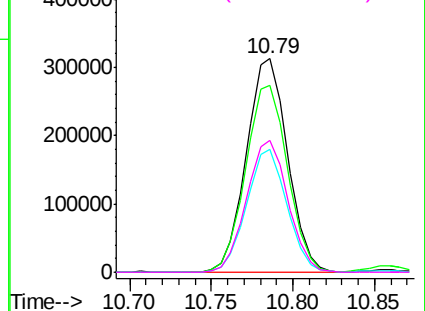
Abundance

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: 44.407 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Tgt Ion: 164 Resp: 558502

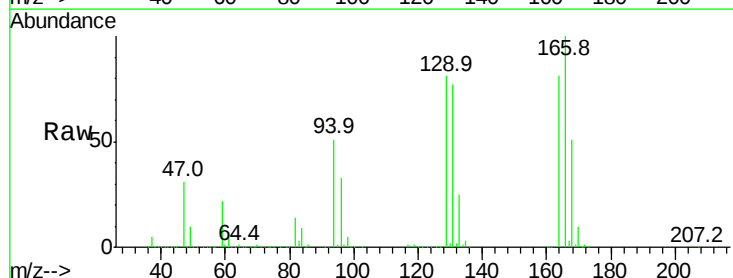
Ion Ratio Lower Upper

164 100

129 100.3 67.5 125.4

131 95.2 64.0 119.0

166 123.4 87.0 161.6



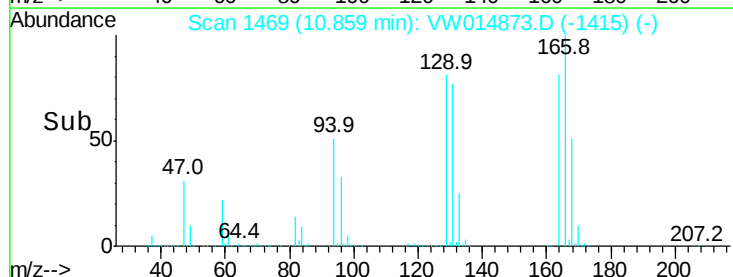
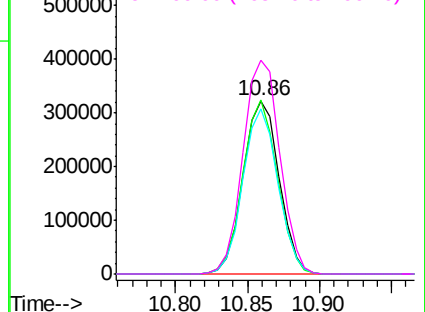
Abundance

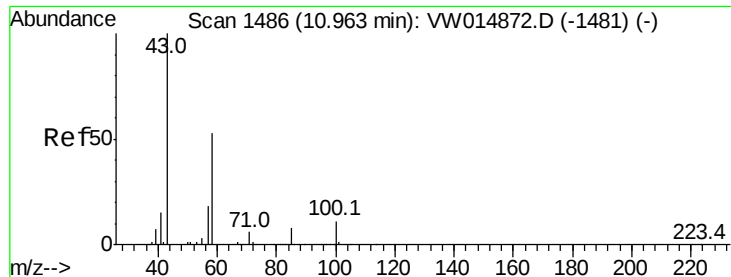
Ion 164.00 (163.70 to 164.70): V

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

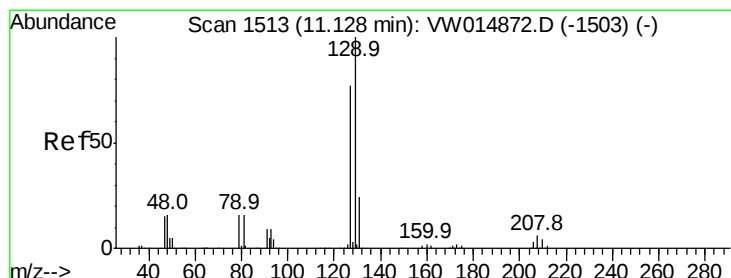
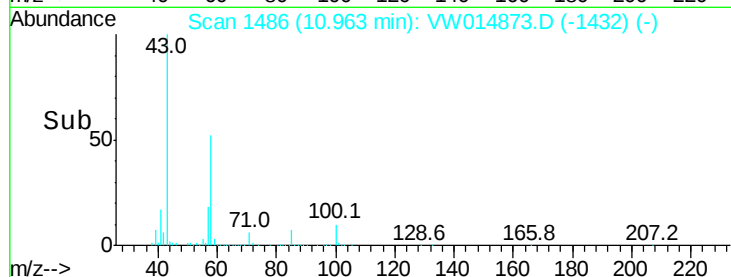
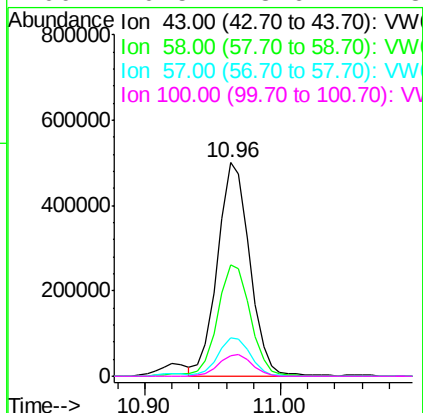
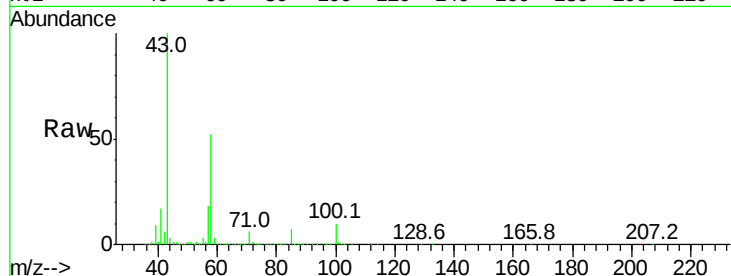




#49
2-Hexanone
Concen: 87.748 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

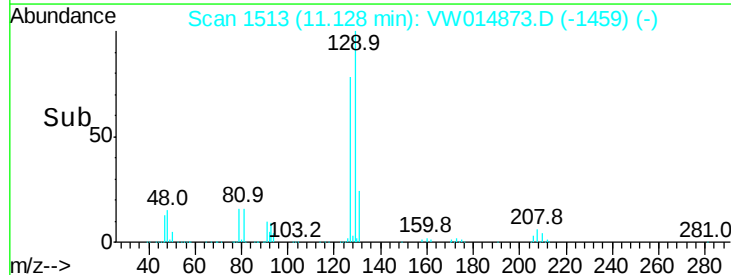
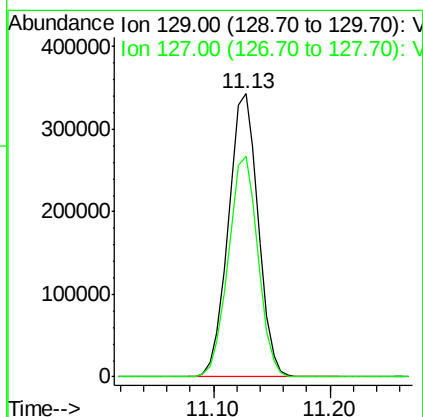
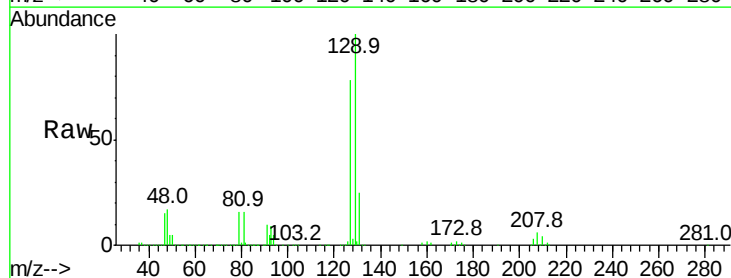
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

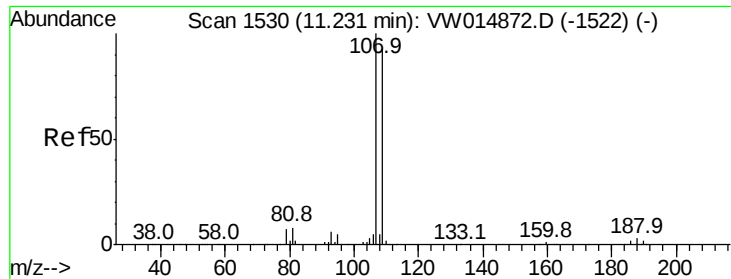
Tgt Ion: 43 Resp: 818463
Ion Ratio Lower Upper
43 100
58 53.0 42.2 63.2
57 18.3 14.5 21.7
100 10.5 8.6 12.8



#50
Dibromochloromethane
Concen: 46.576 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 129 Resp: 610027
Ion Ratio Lower Upper
129 100
127 78.2 54.1 100.5

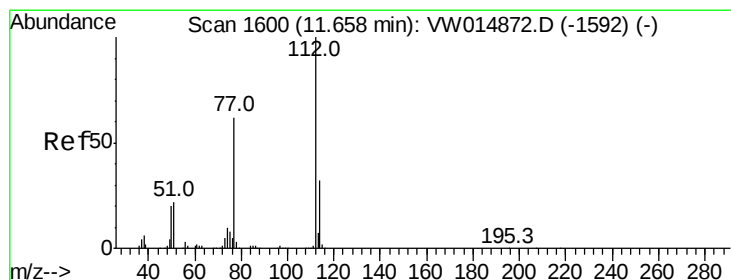
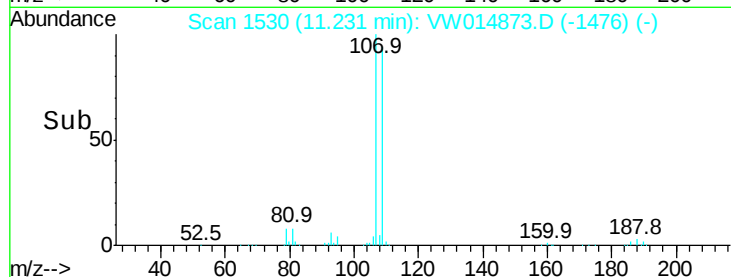
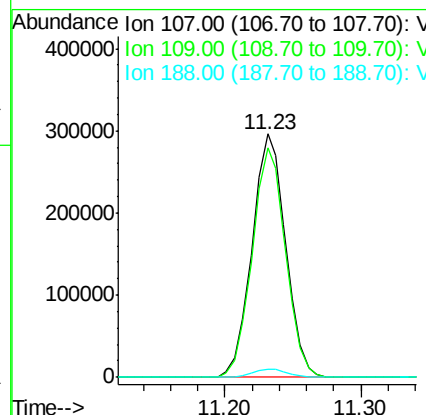
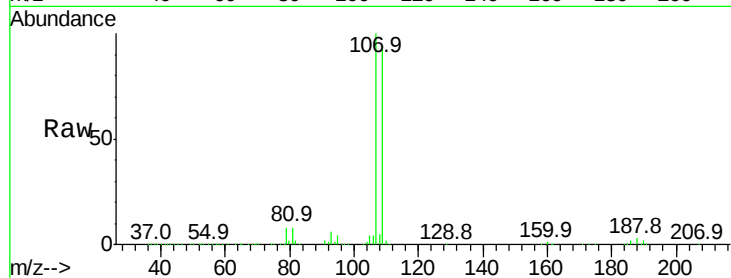




#51
 1,2-Dibromoethane
 Concen: 44.618 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

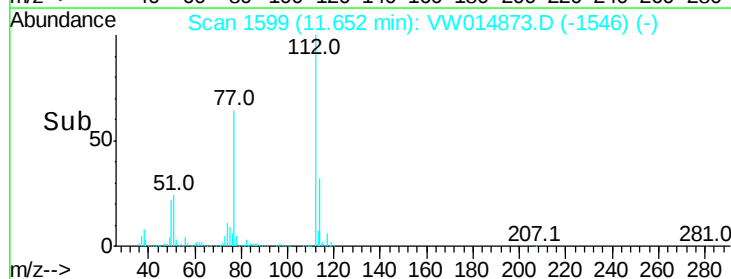
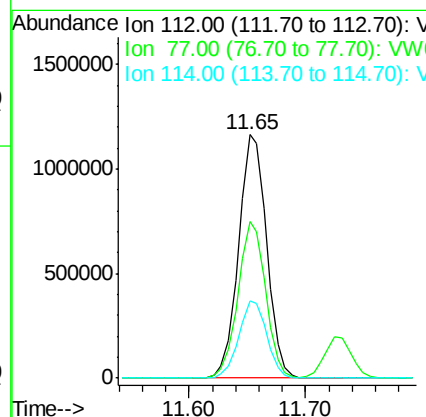
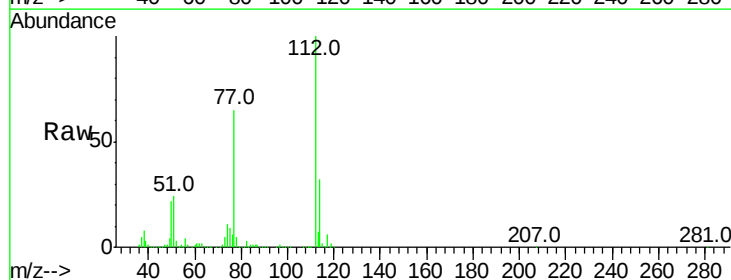
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

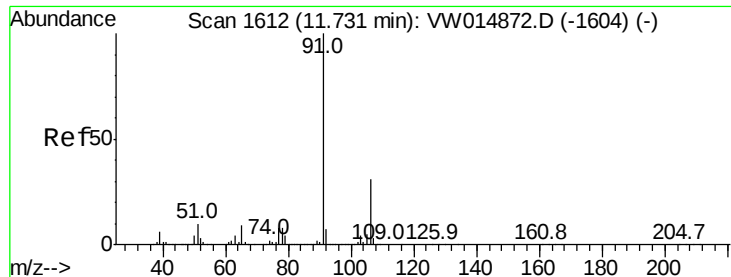
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.0	120.6
188	3.5	2.4	3.6



#52
 Chlorobenzene
 Concen: 46.749 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.5	49.9	74.9
114	31.8	22.7	42.1

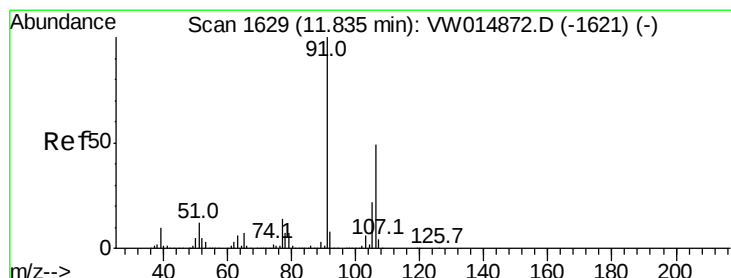
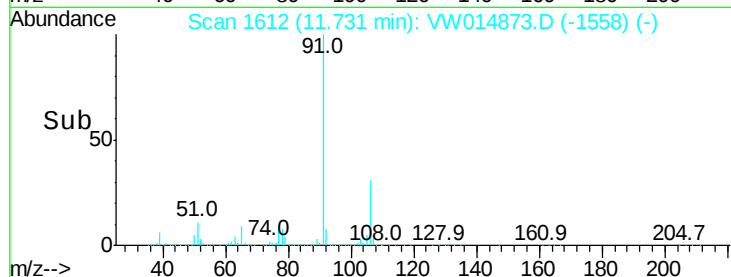
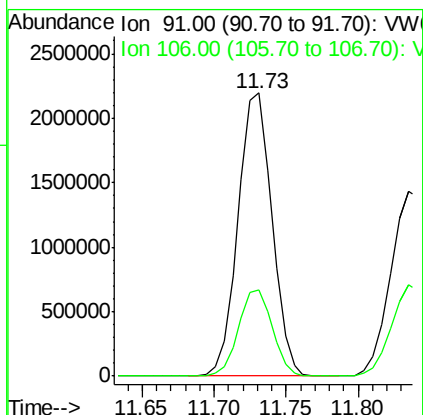
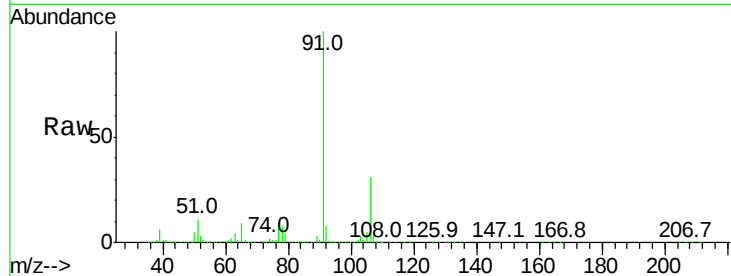




#53
Ethylbenzene
Concen: 48.609 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

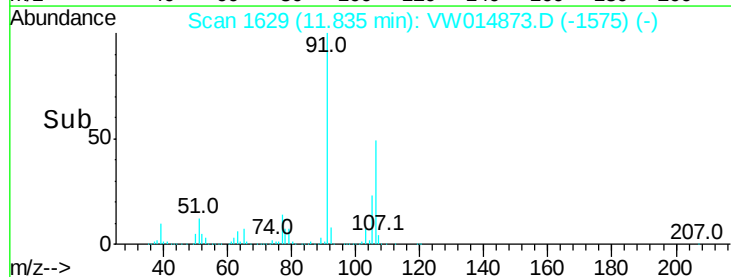
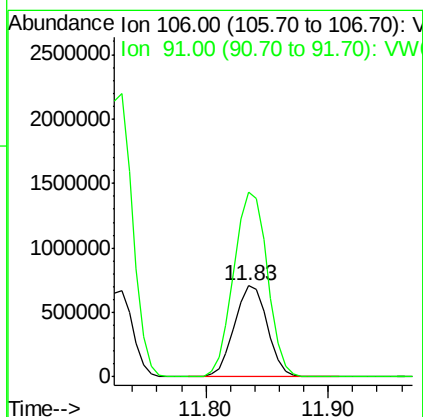
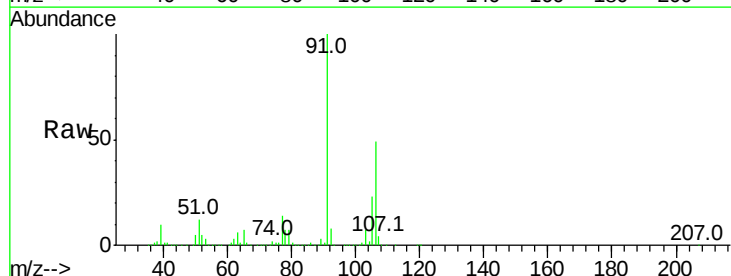
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

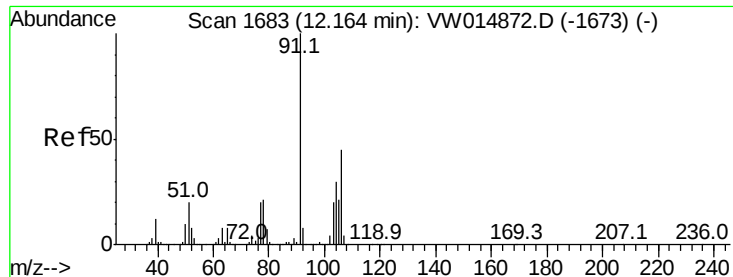
Tgt Ion: 91 Resp: 3597078
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#54
m,p-Xylene
Concen: 48.920 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014873.D
Acq: 05 Feb 2020 14:40

Tgt Ion: 106 Resp: 1324740
Ion Ratio Lower Upper
106 100
91 203.2 143.4 266.4





#55

o-xylene

Concen: 50.711 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

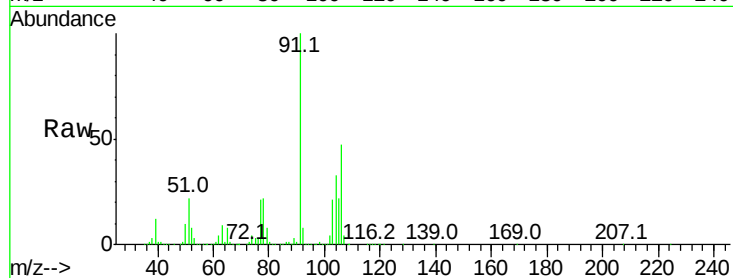
VSTD05003

Tgt Ion:106 Resp: 1279338

Ion Ratio Lower Upper

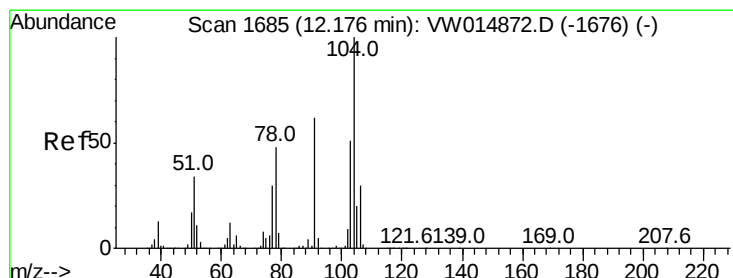
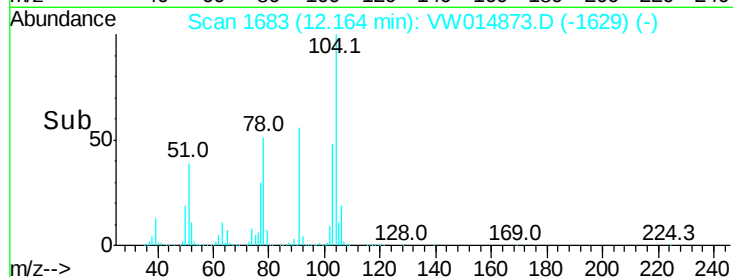
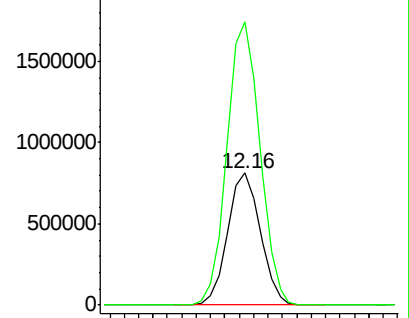
106 100

91 214.0 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 51.012 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014873.D

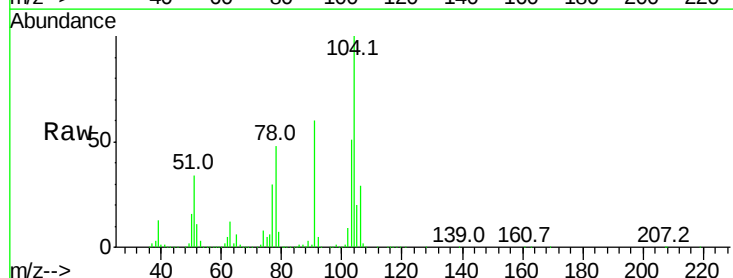
Acq: 05 Feb 2020 14:40

Tgt Ion:104 Resp: 2191461

Ion Ratio Lower Upper

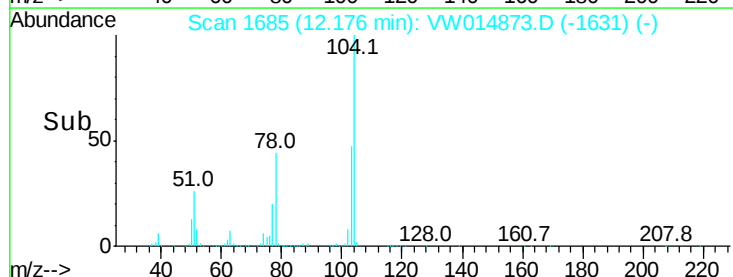
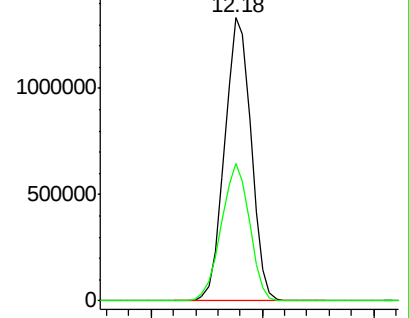
104 100

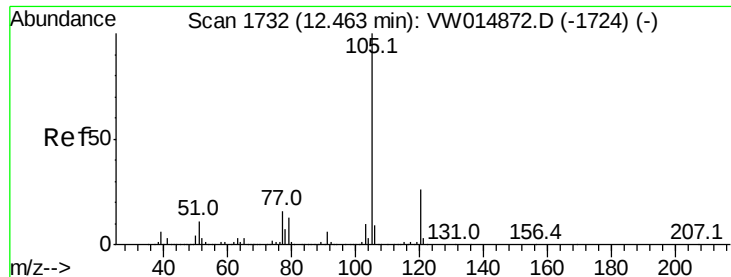
78 48.3 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 50.257 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

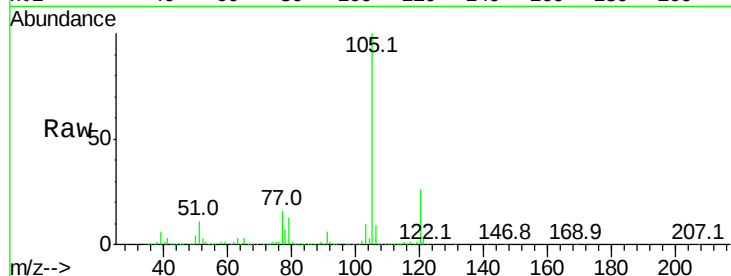
Tgt Ion:105 Resp: 3428611

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

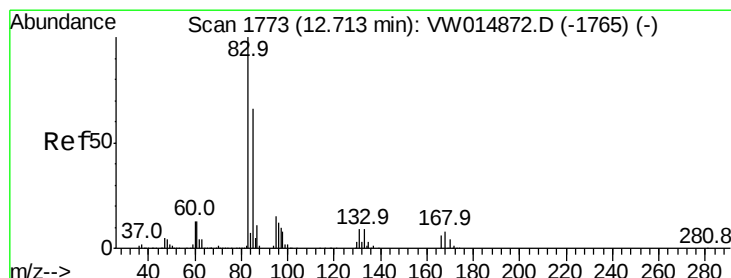
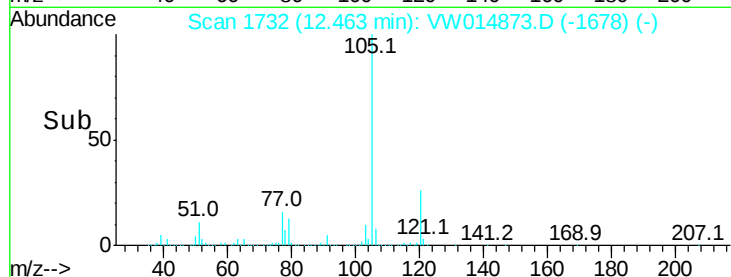
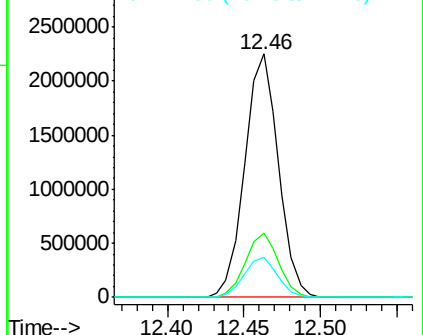
77 16.4 13.1 19.7



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: 42.702 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

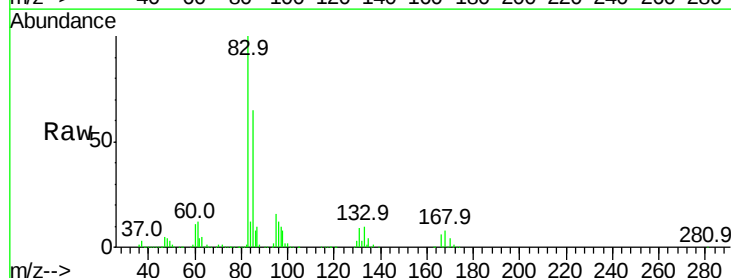
Tgt Ion: 83 Resp: 682903

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3

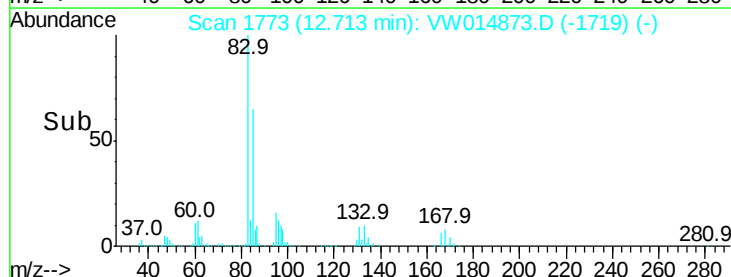
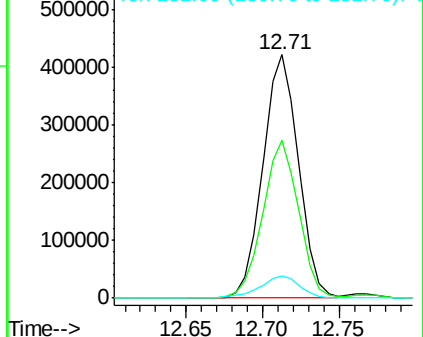
131 9.1 7.3 10.9

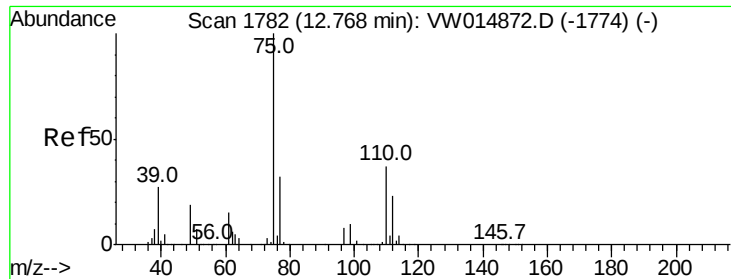


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.593 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

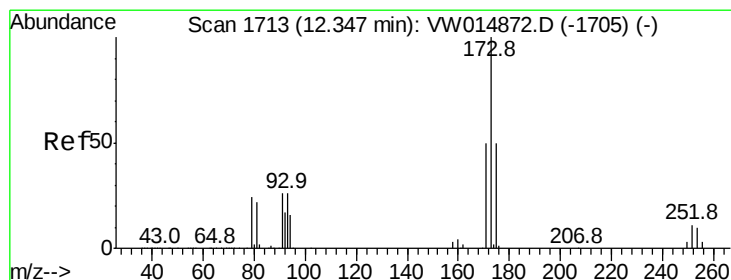
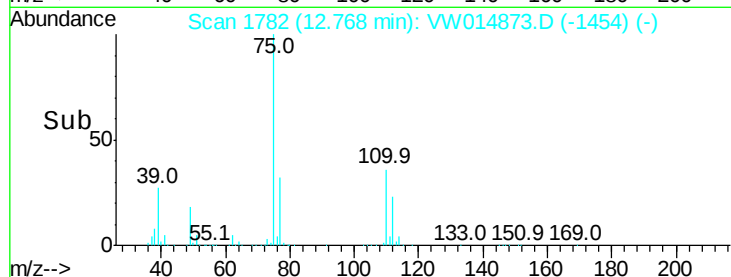
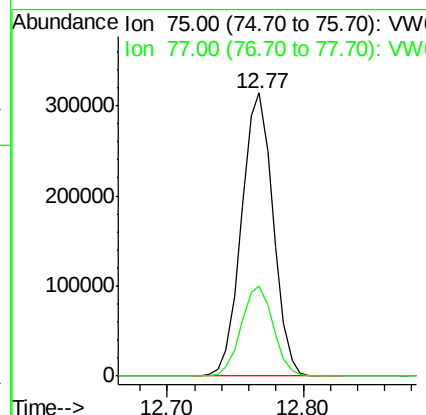
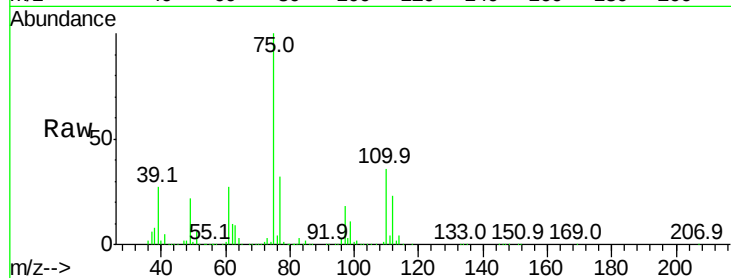
VSTD05003

Tgt Ion: 75 Resp: 509241

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#62

Bromoform

Concen: 43.518 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

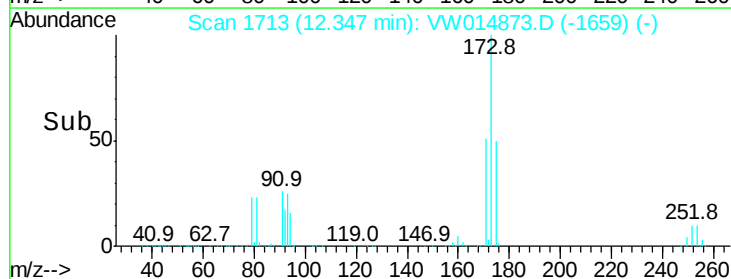
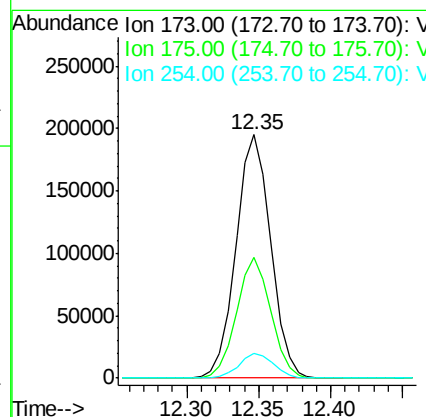
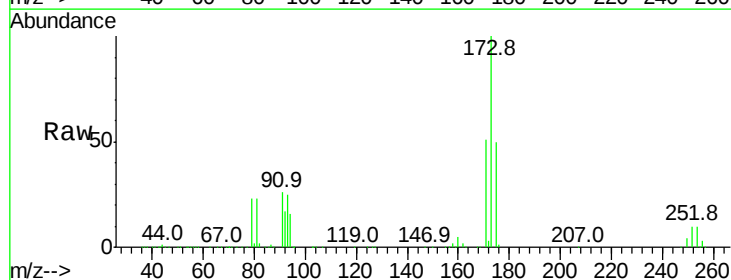
Tgt Ion: 173 Resp: 327030

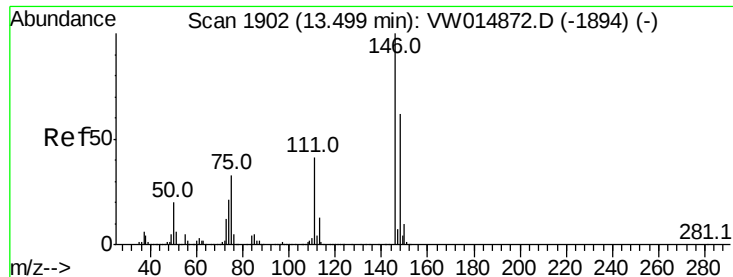
Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

254 10.2 7.8 11.8

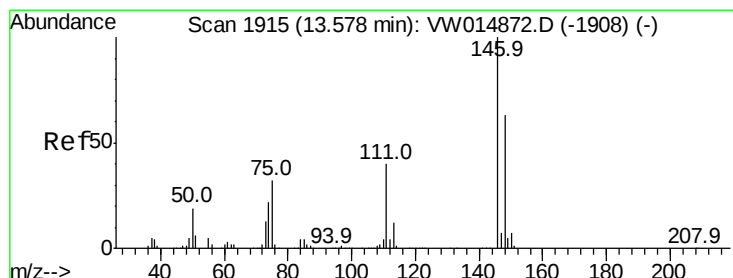
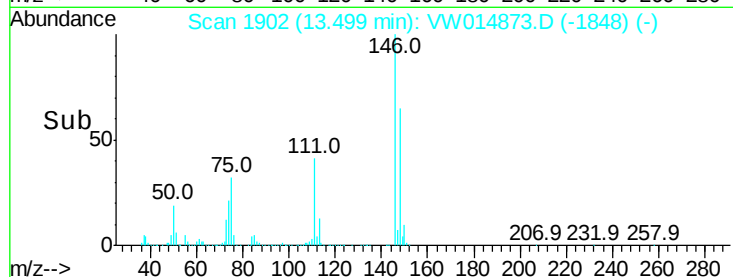
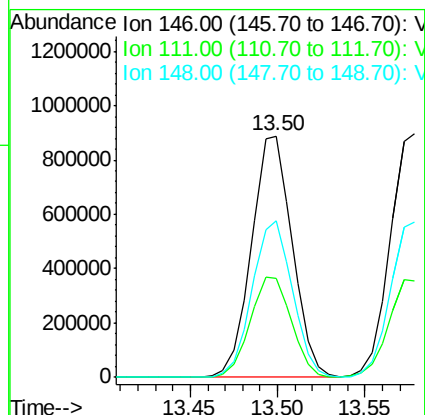
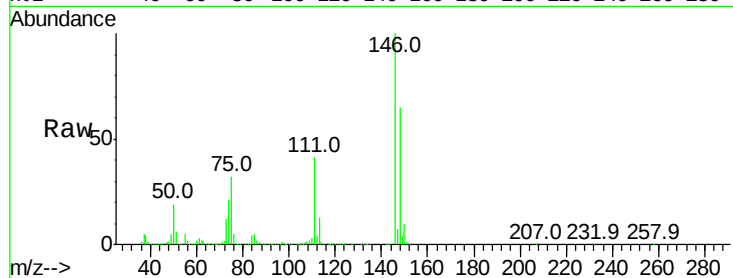




#63
 1,3-Dichlorobenzene
 Concen: 47.142 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

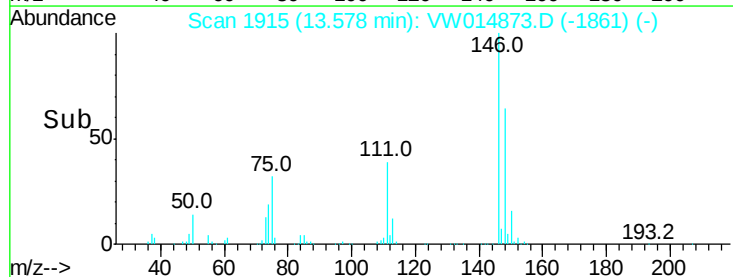
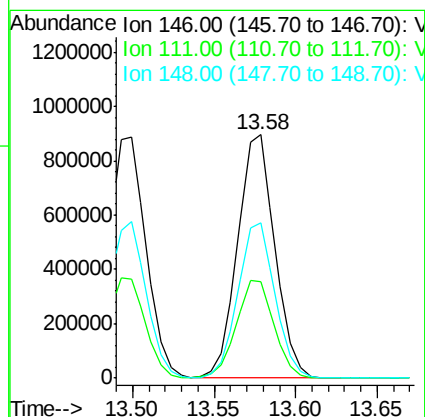
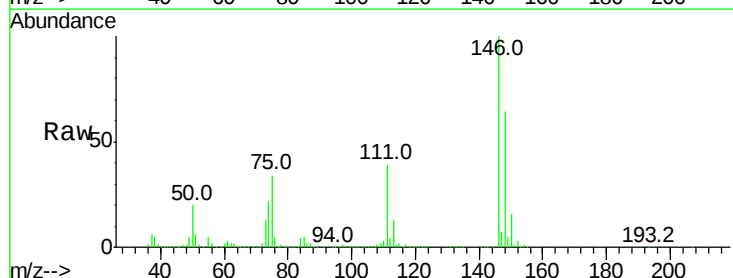
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

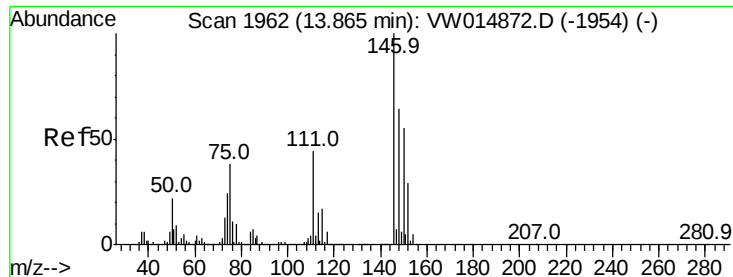
Tgt Ion:146 Resp: 1437454
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.6 53.0
 148 65.0 43.3 80.5



#64
 1,4-Dichlorobenzene
 Concen: 46.261 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

Tgt Ion:146 Resp: 1421870
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.9 51.7
 148 63.9 44.0 81.8

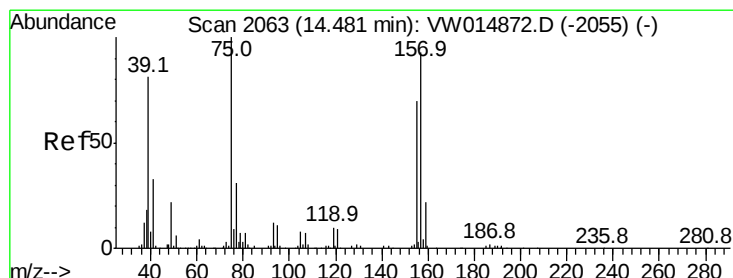
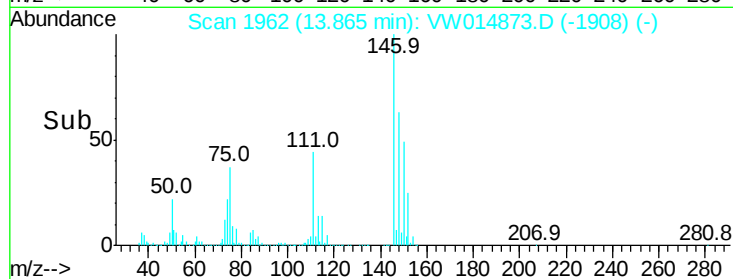
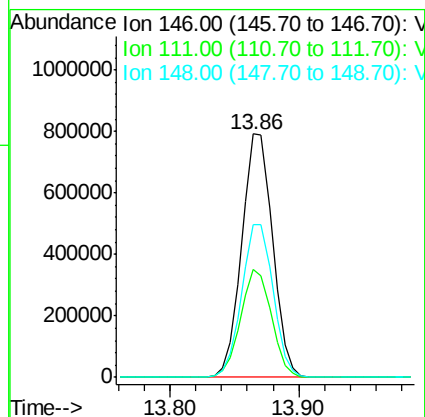
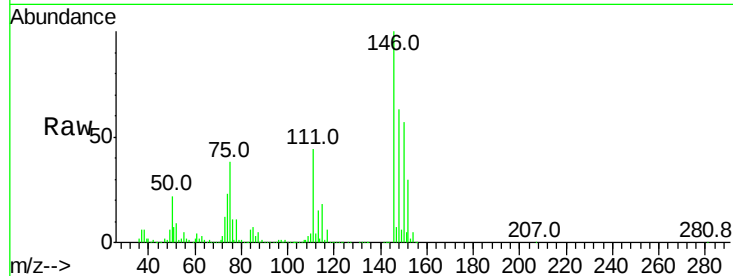




#65
 1,2-Dichlorobenzene
 Concen: 47.247 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

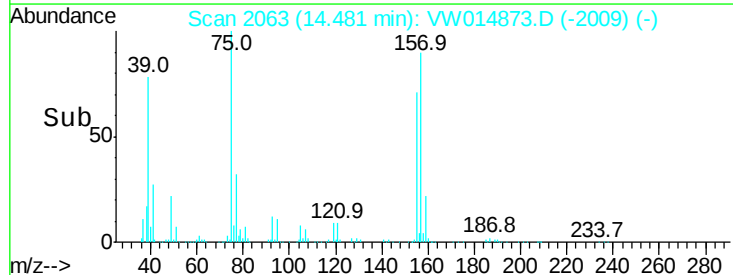
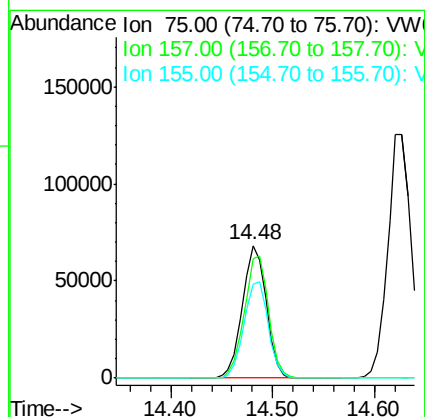
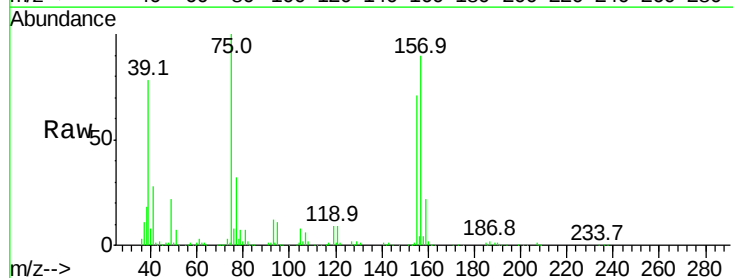
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

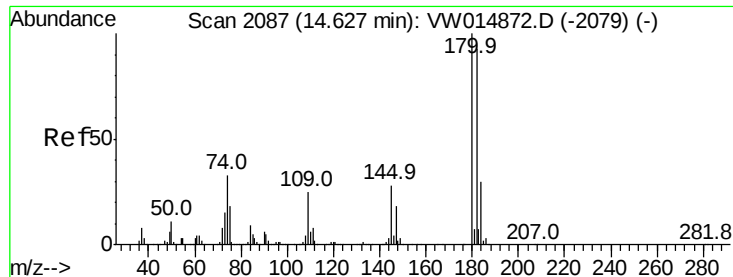
Tgt Ion: 146 Resp: 1311608
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.0 52.6
 148 62.6 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 40.784 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

Tgt Ion: 75 Resp: 110507
 Ion Ratio Lower Upper
 75 100
 157 89.9 74.2 111.4
 155 70.6 56.1 84.1

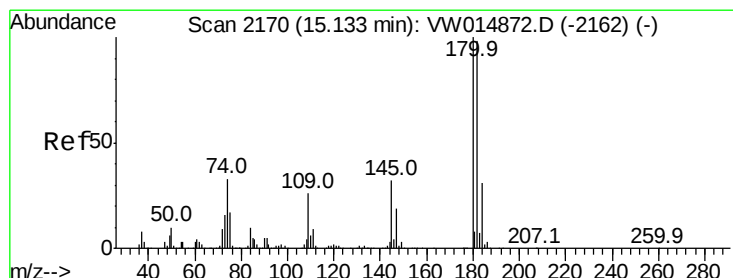
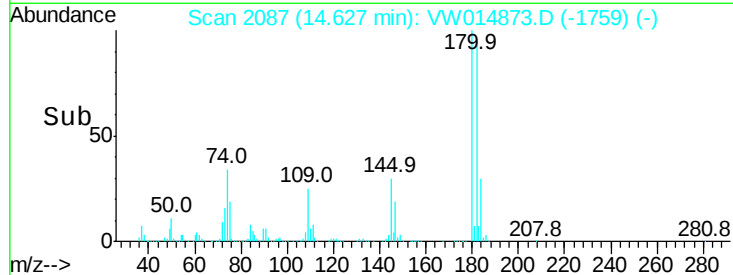
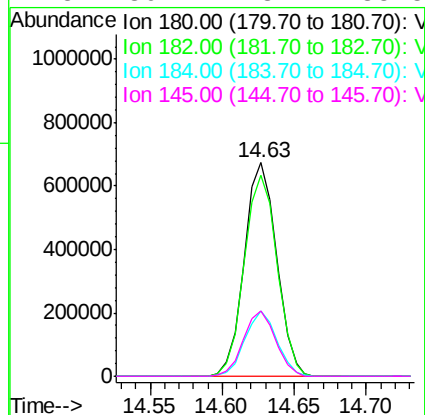
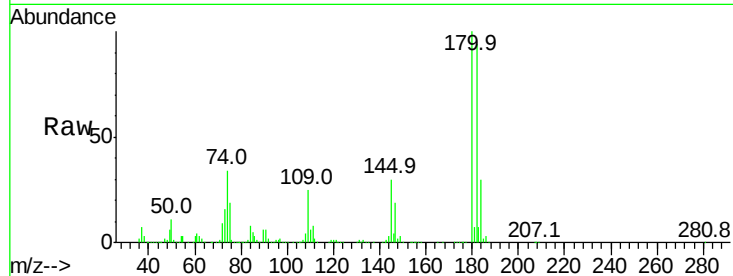




#67
 1,3,5-Trichlorobenzene
 Concen: 48.407 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

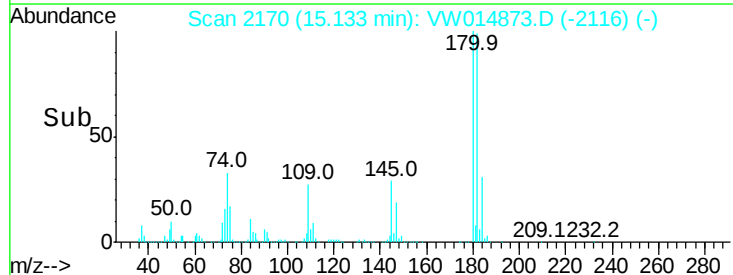
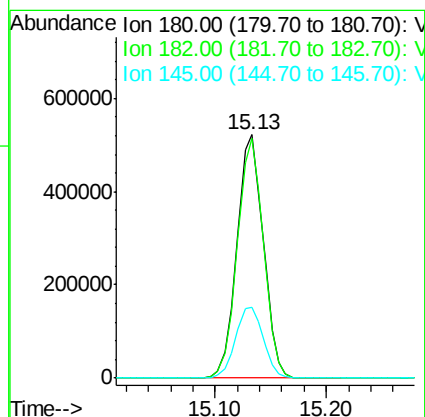
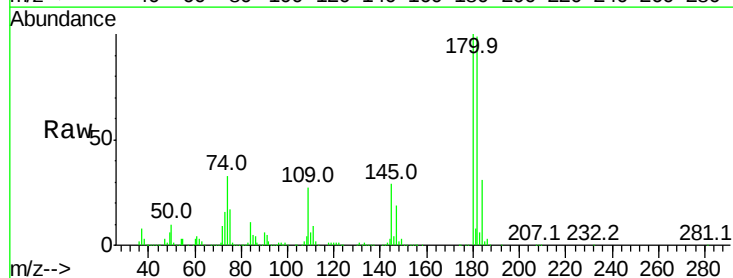
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

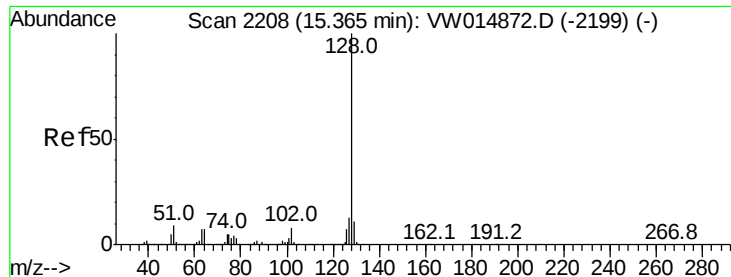
Tgt Ion:180 Resp: 1045859
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.5 113.3
 184 30.1 24.6 36.8
 145 30.2 23.7 35.5



#68
 1,2,4-trichlorobenzene
 Concen: 50.657 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014873.D
 Acq: 05 Feb 2020 14:40

Tgt Ion:180 Resp: 855085
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.4 114.6
 145 30.5 24.6 37.0





#69

Naphthalene

Concen: 51.520 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

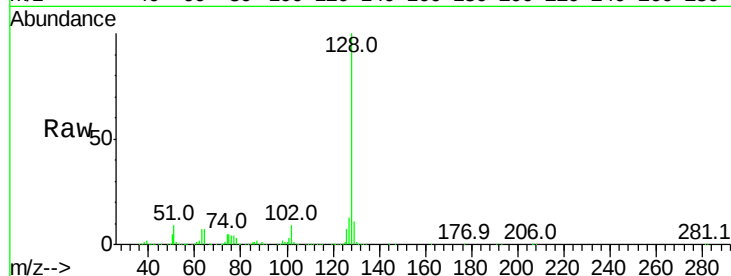
Tgt Ion:128 Resp: 1764413

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

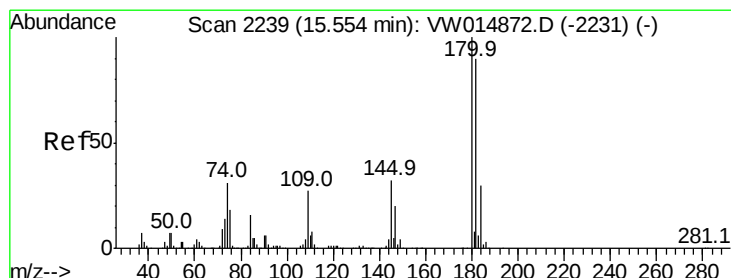
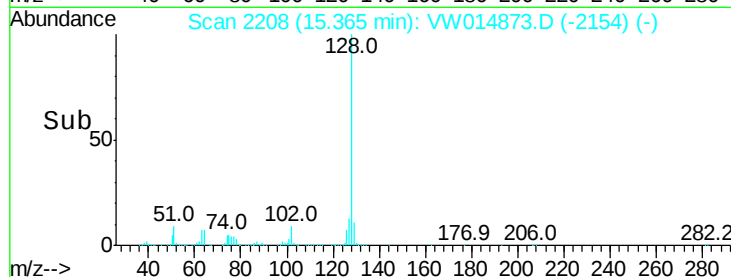
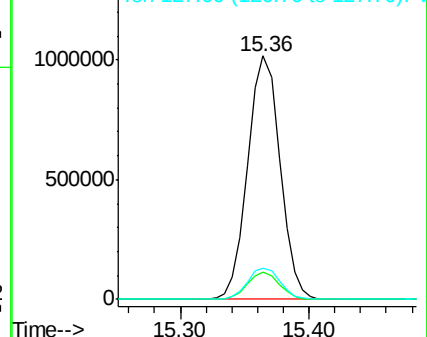
127 13.0 10.5 15.7



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: 49.800 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014873.D

Acq: 05 Feb 2020 14:40

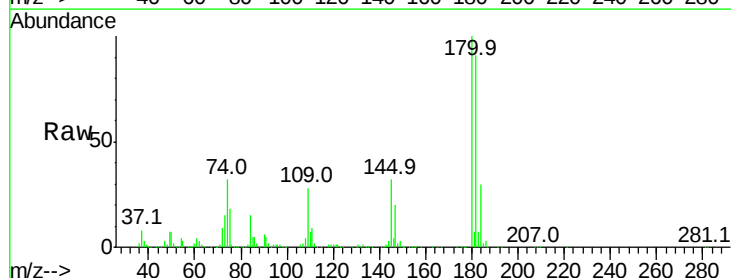
Tgt Ion:180 Resp: 776841

Ion Ratio Lower Upper

180 100

182 93.2 75.3 112.9

145 32.3 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

