

Data File : VW014871.D
Acq On : 05 Feb 2020 13:48
Operator : SY/VA
Sample : VSTD00514
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Quant Time: Feb 05 14:45:10 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	1052155	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	943956	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	428237	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	87481	5.31	ug/L	0.00
7) Chloroethane-d5	2.89	69	70248	4.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	162594	4.64	ug/L	0.00
20) 2-Butanone-d5	7.08	46	47091	7.60	ug/L	0.00
24) Chloroform-d	7.64	84	155597	4.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	88495	4.70	ug/L	0.00
29) Benzene-d6	8.27	84	316855	4.76	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	103042	4.72	ug/L	0.00
37) Toluene-d8	10.32	98	276065	4.75	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	39690	4.60	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	31534	7.39	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	75273	4.43	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	85045	4.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	52137	3.935 ug/L	87
3) Chloromethane	2.21	50	83271	4.585 ug/L	98
5) Vinyl chloride	2.36	62	115536	6.328 ug/L	95
6) Bromomethane	2.78	94	56264	5.266 ug/L	99
8) Chloroethane	2.92	64	60461	5.100 ug/L	94
9) Trichlorofluoromethane	3.26	101	43537	4.096 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	82031	5.035 ug/L	96
12) 1,1-Dichloroethene	4.04	96	78121	5.084 ug/L	91
13) Acetone	4.12	43	53188	7.941 ug/L	97
14) Carbon disulfide	4.38	76	238272	5.109 ug/L	99
15) Methyl Acetate	4.67	43	43522	4.341 ug/L #	73
16) Methylene chloride	4.92	84	105369	5.423 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	99833	5.120 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	80201	5.086 ug/L	98
19) 1,1-Dichloroethane	6.21	63	161991	5.059 ug/L	98
21) 2-Butanone	7.17	43	59732	8.310 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	83658	5.133 ug/L	98
23) Bromochloromethane	7.51	128	35952	5.158 ug/L	95
25) Chloroform	7.67	83	148132	5.068 ug/L	100
27) 1,2-Dichloroethane	8.40	62	103928	5.089 ug/L	98
30) Cyclohexane	7.95	56	138036	4.838 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	114634	5.175 ug/L	99
32) Carbon tetrachloride	8.07	117	102721	5.105 ug/L	98
34) Benzene	8.32	78	347815	5.262 ug/L	100
35) Trichloroethene	9.09	95	85402	5.232 ug/L	99
36) Methylcyclohexane	9.34	83	141730	4.957 ug/L	98
40) 1,2-Dichloropropane	9.37	63	92119	5.167 ug/L	99
41) Bromodichloromethane	9.64	83	102668	5.026 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	120690	4.864 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	109514	8.366 ug/L	99

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Instrument :
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ClientSampleId :
VSTD00501

Quant Time: Feb 05 14:45:10 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)
44) Toluene	10.38	91	346010	5.232	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	99775	4.886	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	60268	5.109	ug/L	96
47) Tetrachloroethene	10.86	164	63714	5.232	ug/L	96
49) 2-Hexanone	10.97	43	78492	8.691	ug/L	96
50) Dibromochloromethane	11.13	129	62403	4.920	ug/L	99
51) 1,2-Dibromoethane	11.23	107	56645	5.107	ug/L	98
52) Chlorobenzene	11.66	112	213523	5.293	ug/L	98
53) Ethylbenzene	11.73	91	368102	5.137	ug/L	99
54) m,p-Xylene	11.83	106	131687	5.022	ug/L	97
55) o-xylene	12.16	106	124777	5.108	ug/L	96
56) Styrene	12.18	104	209299	5.031	ug/L	98
57) Isopropylbenzene	12.46	105	334996	5.071	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	76257	4.924	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	57433	4.845	ug/L	100
62) Bromoform	12.35	173	32305	4.564	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	150355	5.235	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	150652	5.204	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	136028	5.202	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	11328	4.438	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	106198	5.218	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	76407	4.805	ug/L	99
69) Naphthalene	15.36	128	137215	4.254	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	71477	4.864	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

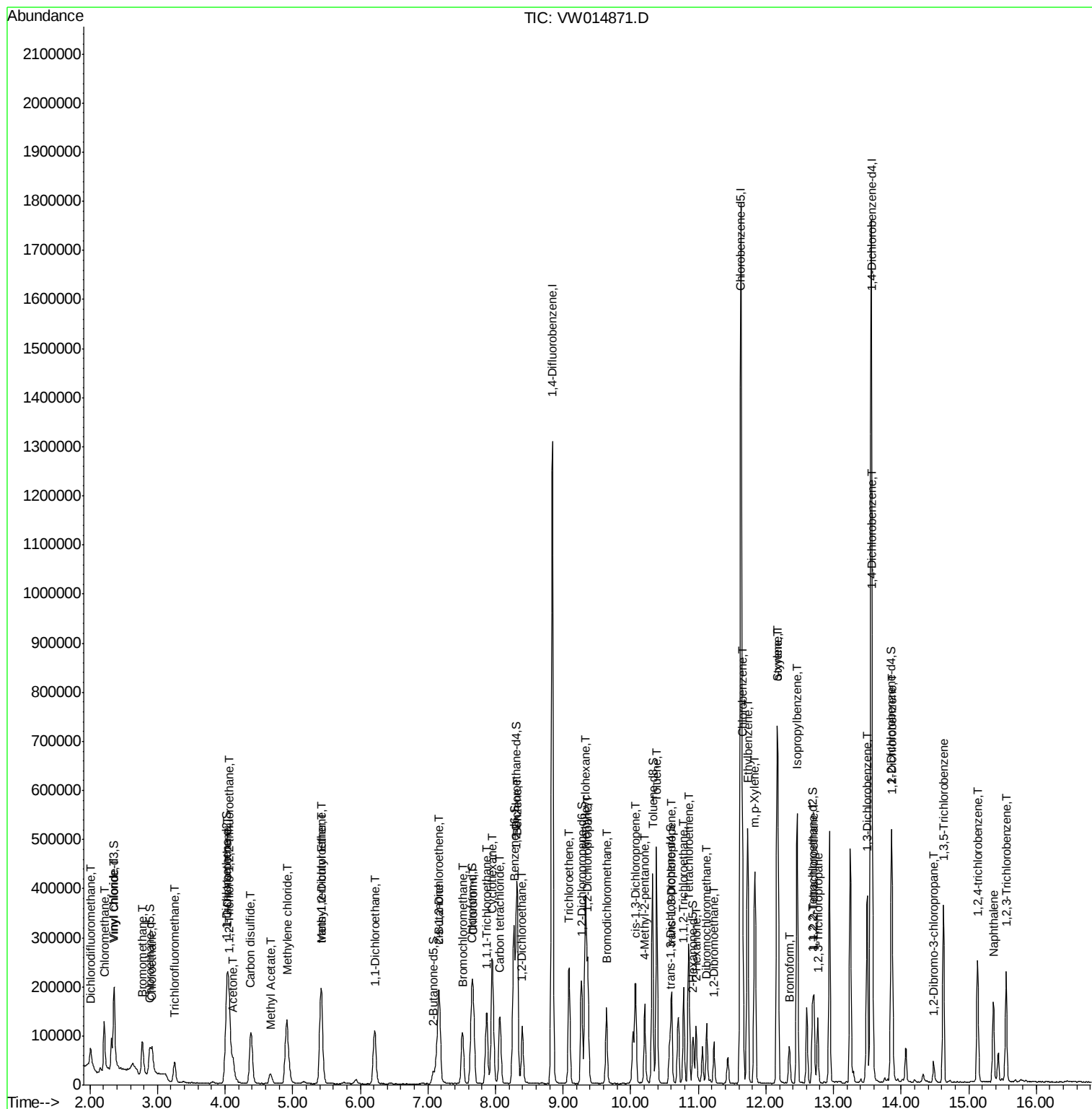
Quant Time: Feb 05 14:45:10 2020

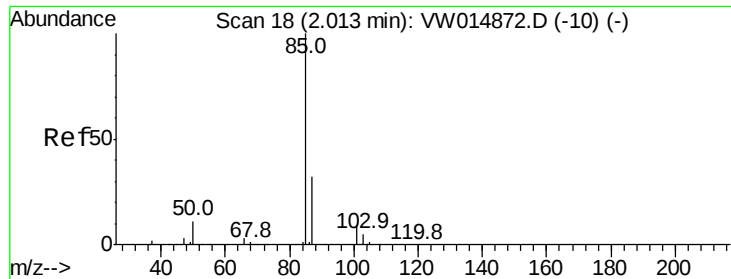
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 05 14:42:27 2020

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#2

Dichlorodifluoromethane

Concen: 3.935 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

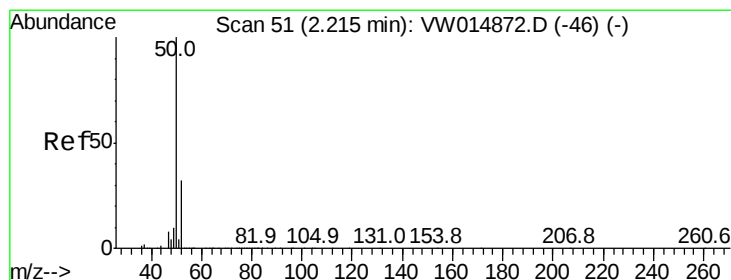
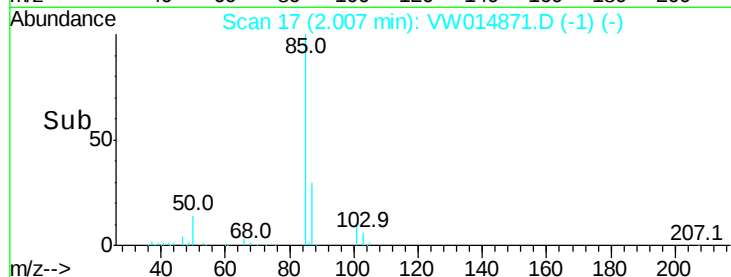
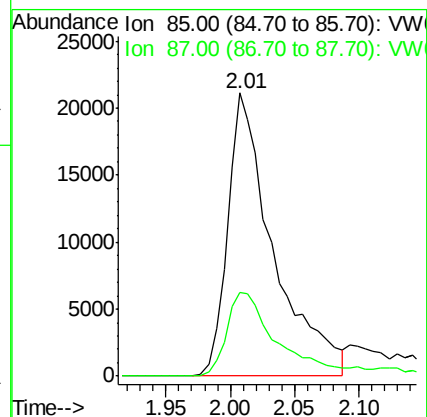
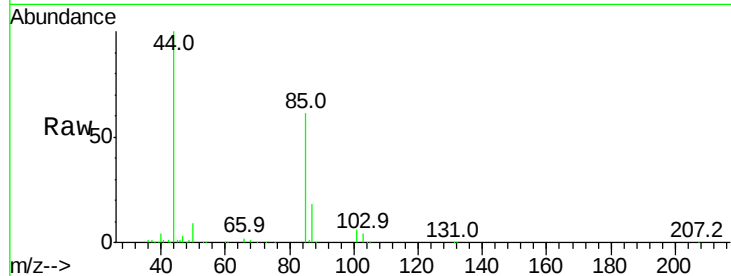
VSTD00501

Tgt Ion: 85 Resp: 52137

Ion Ratio Lower Upper

85 100

87 32.6 18.1 33.7



#3

Chloromethane

Concen: 4.585 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014871.D

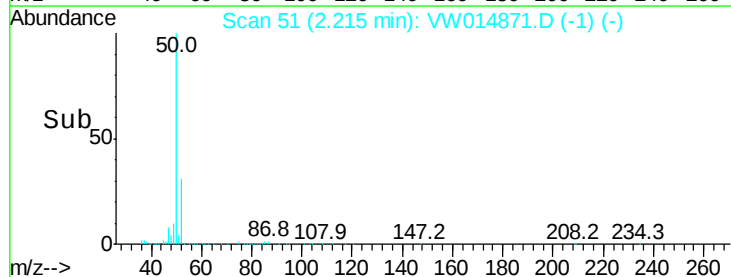
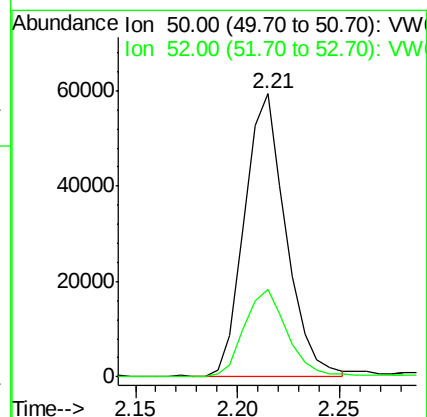
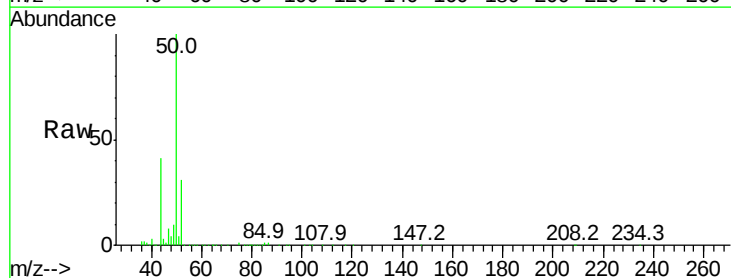
Acq: 05 Feb 2020 13:48

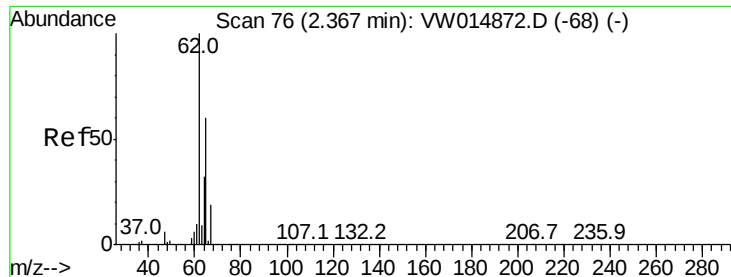
Tgt Ion: 50 Resp: 83271

Ion Ratio Lower Upper

50 100

52 30.7 22.1 41.1





#5

Vinyl chloride

Concen: 6.328 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

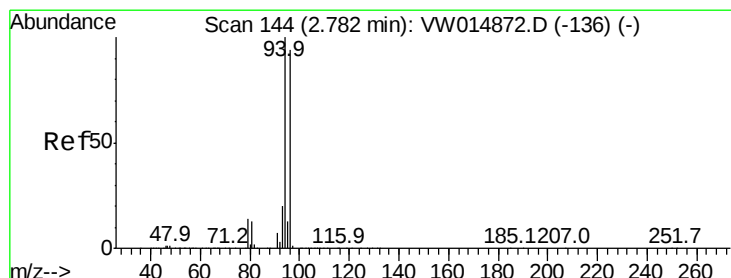
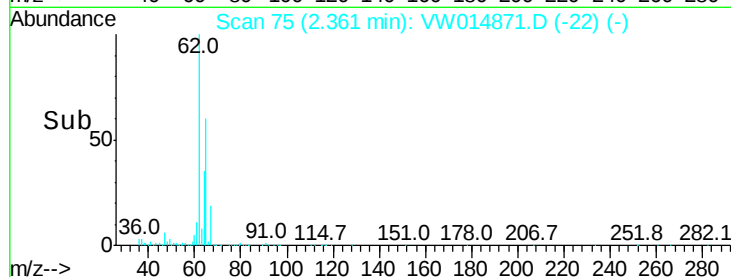
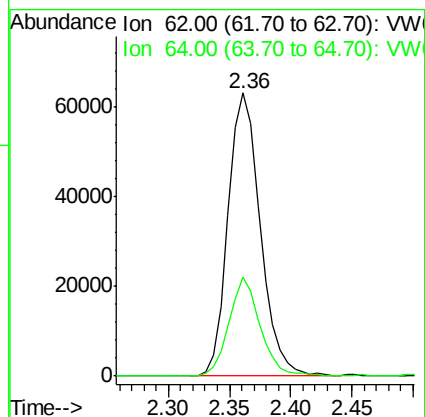
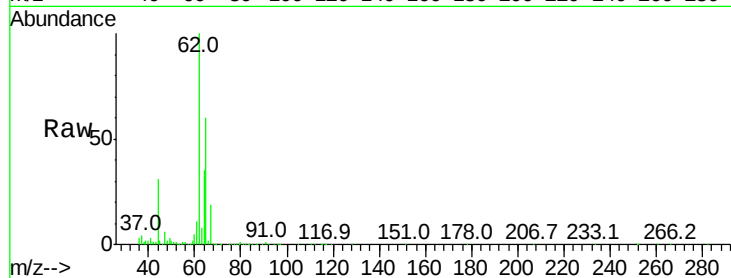
VSTD00501

Tgt Ion: 62 Resp: 115536

Ion Ratio Lower Upper

62 100

64 34.8 22.5 41.9



#6

Bromomethane

Concen: 5.266 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014871.D

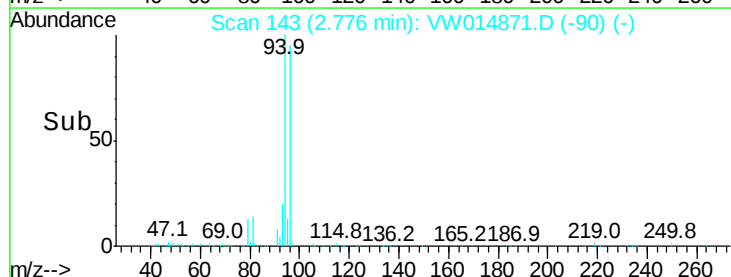
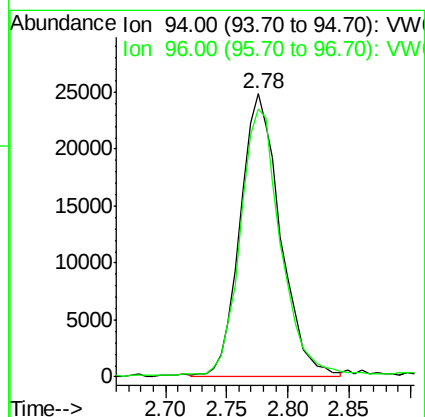
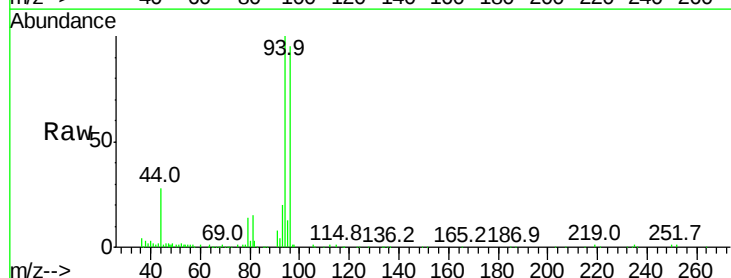
Acq: 05 Feb 2020 13:48

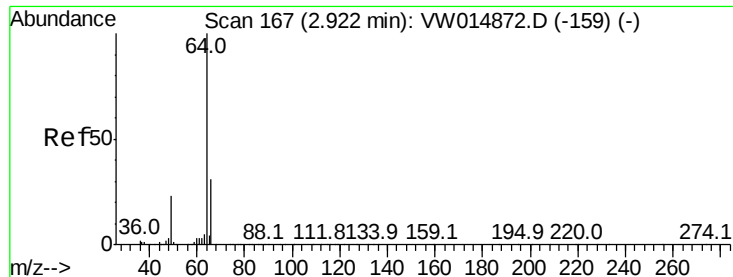
Tgt Ion: 94 Resp: 56264

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.0





#8

Chloroethane

Concen: 5.100 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

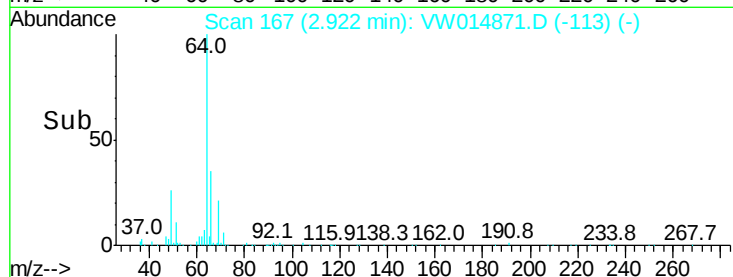
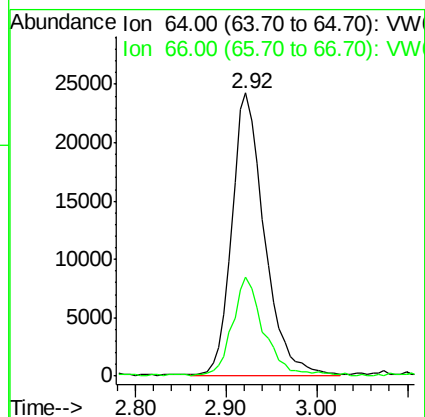
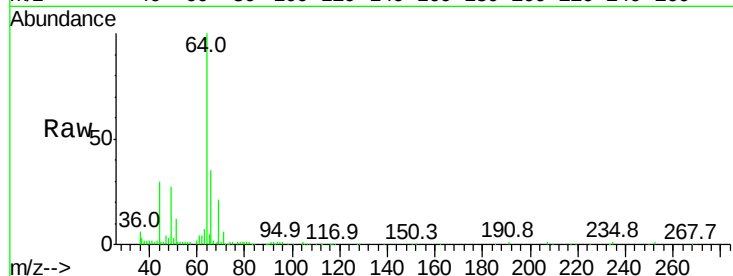
VSTD00501

Tgt Ion: 64 Resp: 60461

Ion Ratio Lower Upper

64 100

66 34.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 4.096 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014871.D

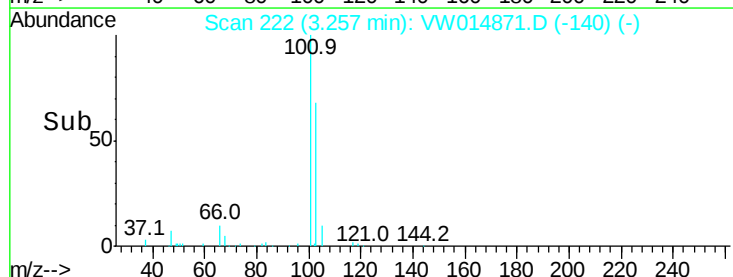
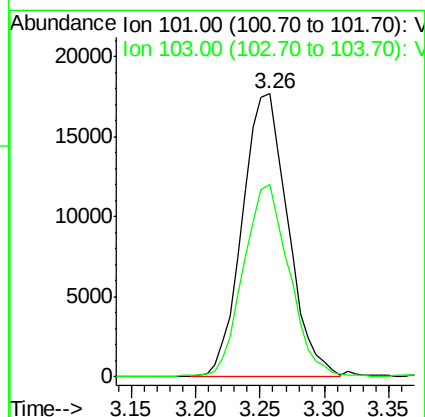
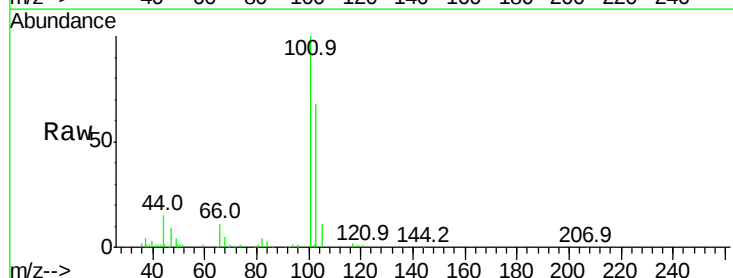
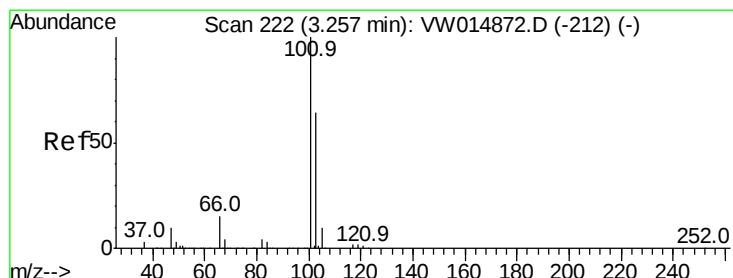
Acq: 05 Feb 2020 13:48

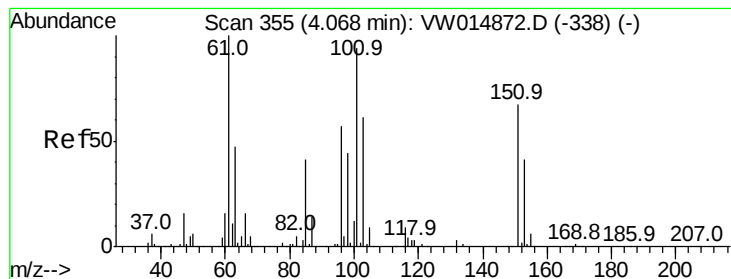
Tgt Ion: 101 Resp: 43537

Ion Ratio Lower Upper

101 100

103 68.3 45.8 85.0





#11

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

Concen: 5.035 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

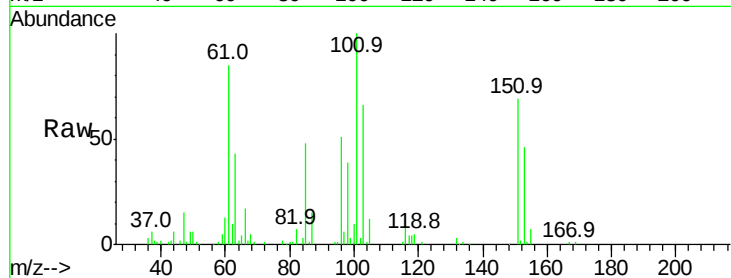
Tgt Ion: 101 Resp: 82031

Ion Ratio Lower Upper

101 100

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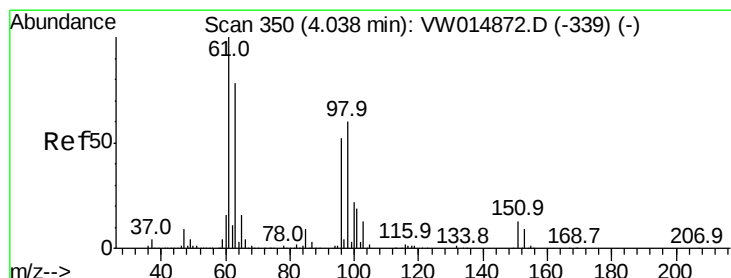
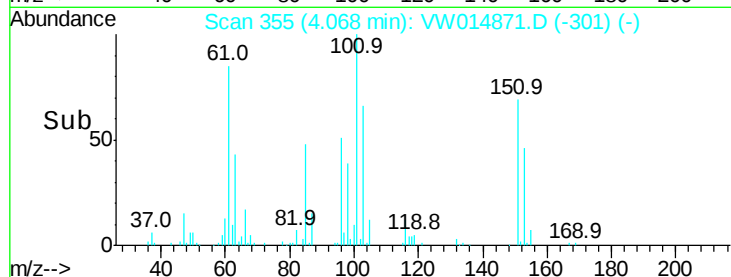
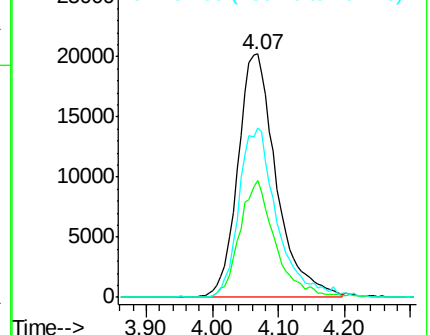
151 66.0 56.3 84.5



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: 5.084 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

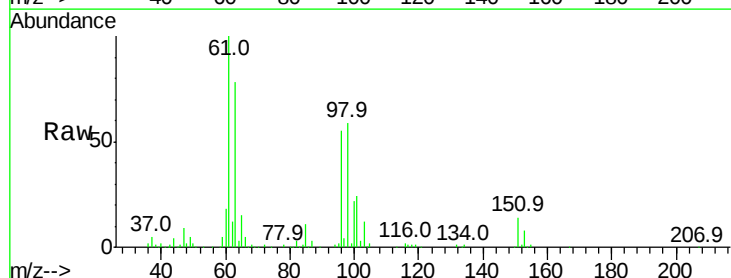
Tgt Ion: 96 Resp: 78121

Ion Ratio Lower Upper

96 100

61 182.4 134.7 250.1

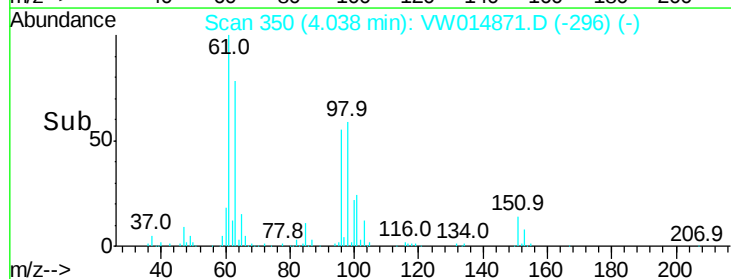
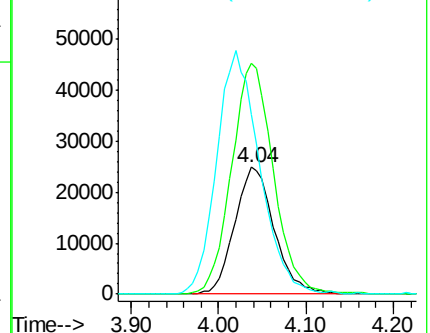
63 142.3 110.2 204.8

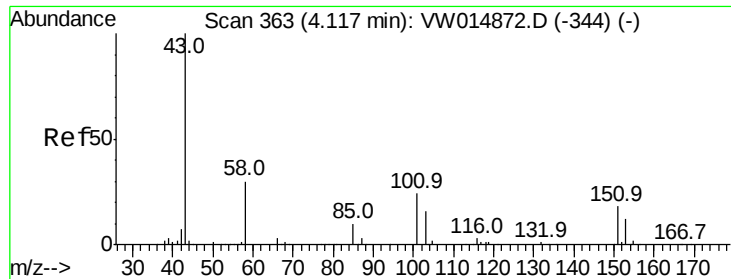


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 7.941 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014871.D

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Instrument :

MSVOA_W

ClientSampleId :

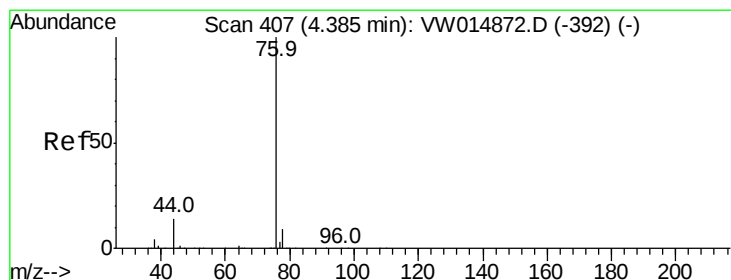
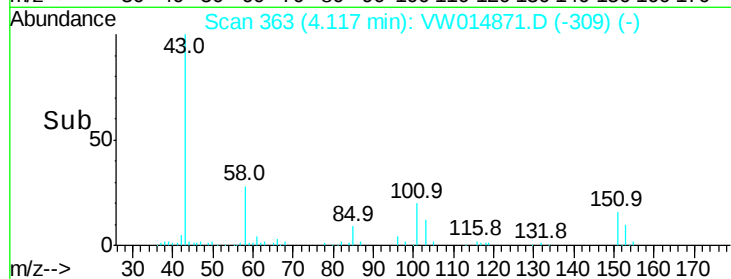
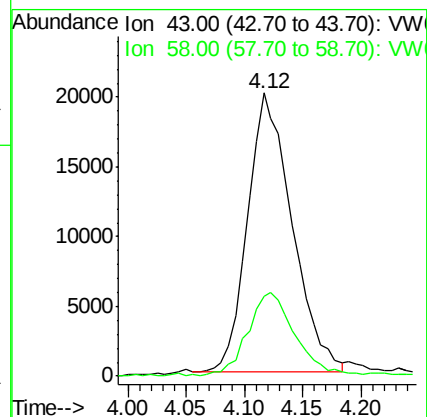
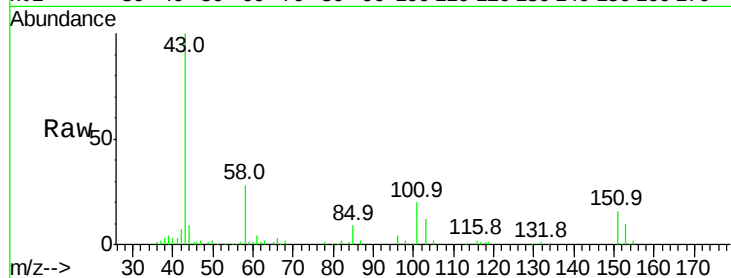
VSTD00501

Tgt Ion: 43 Resp: 53188

Ion Ratio Lower Upper

43 100

58 31.9 0.0 60.4



#14

Carbon disulfide

Concen: 5.109 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014871.D

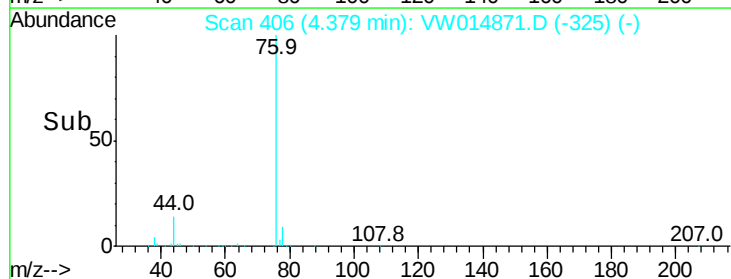
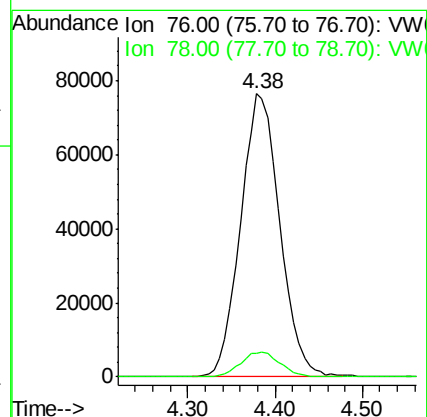
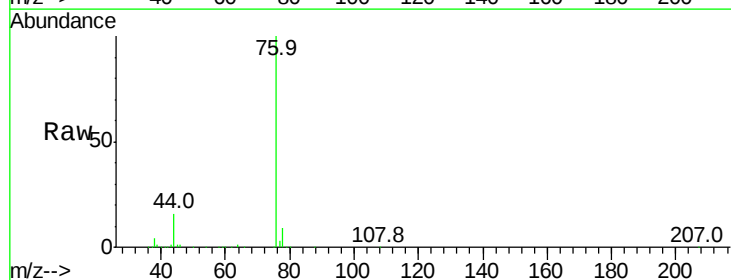
Acq: 05 Feb 2020 13:48

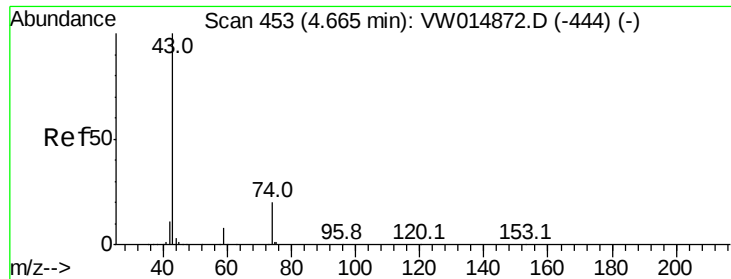
Tgt Ion: 76 Resp: 238272

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6

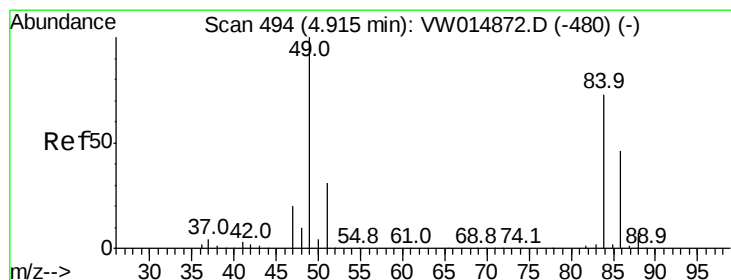
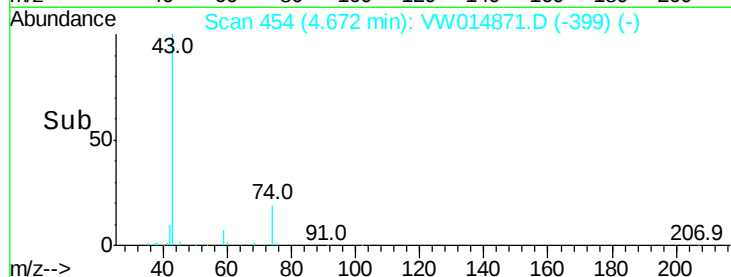
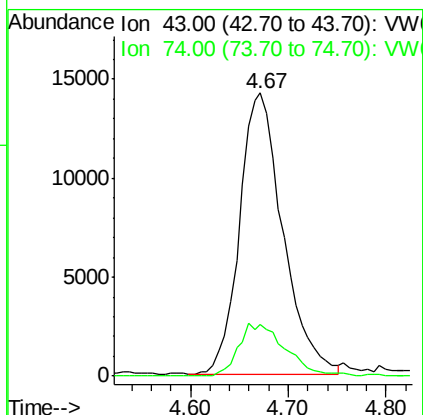
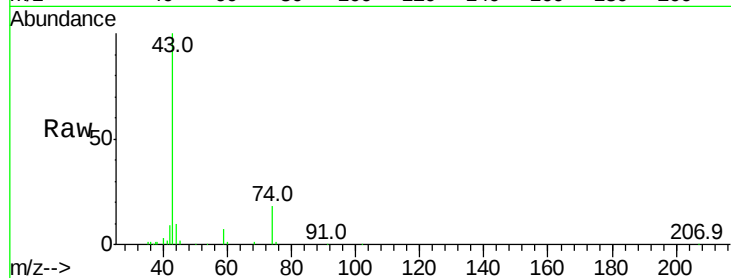




#15
Methyl Acetate
Concen: 4.341 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

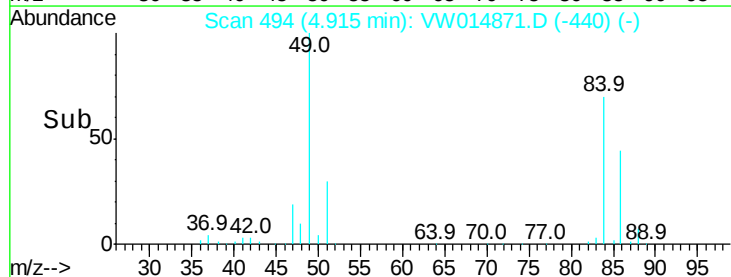
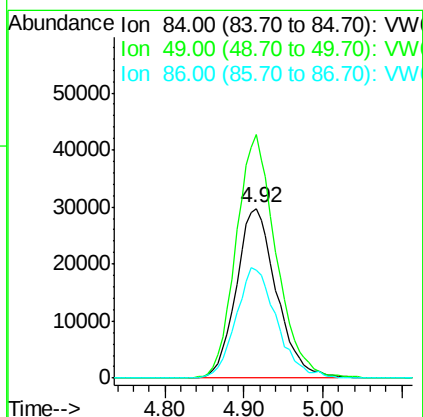
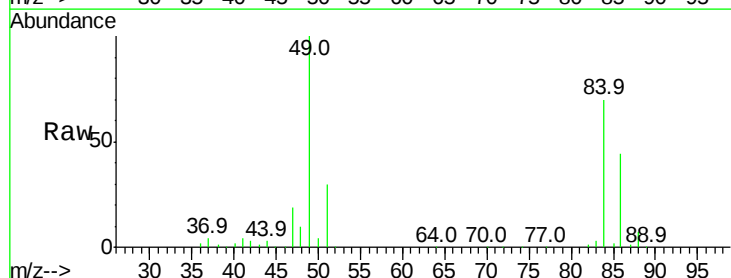
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

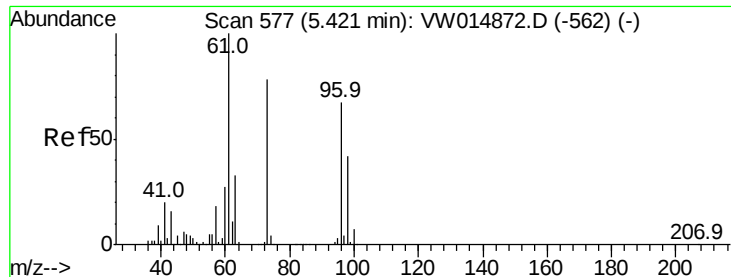
Tgt Ion: 43 Resp: 43522
Ion Ratio Lower Upper
43 100
74 7.9 16.5 24.7#



#16
Methylene chloride
Concen: 5.423 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

Tgt Ion: 84 Resp: 105369
Ion Ratio Lower Upper
84 100
49 143.7 95.8 177.8
86 63.8 44.2 82.2

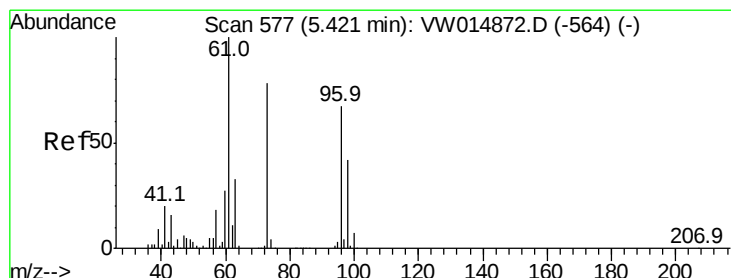
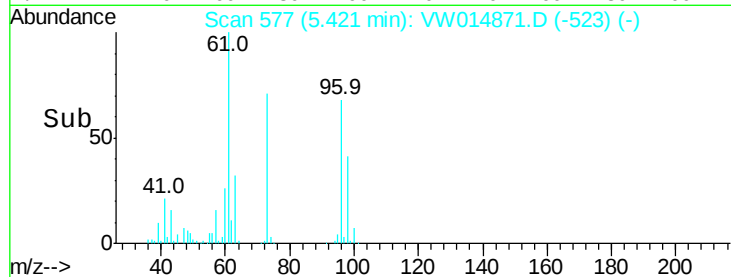
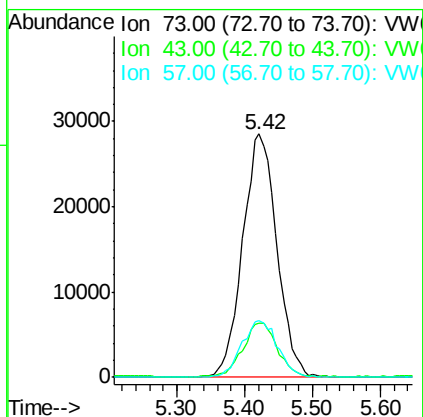
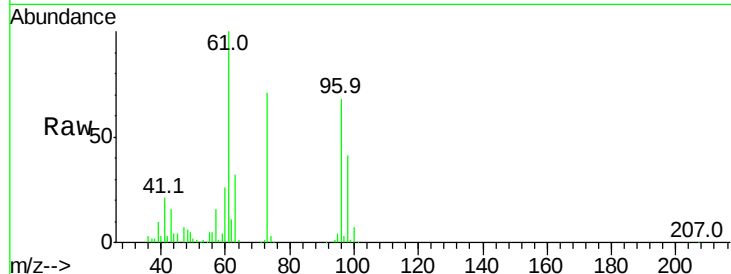




#17
Methyl tert-butyl Ether
Concen: 5.120 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

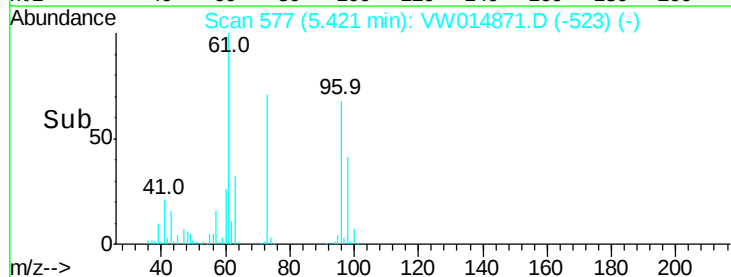
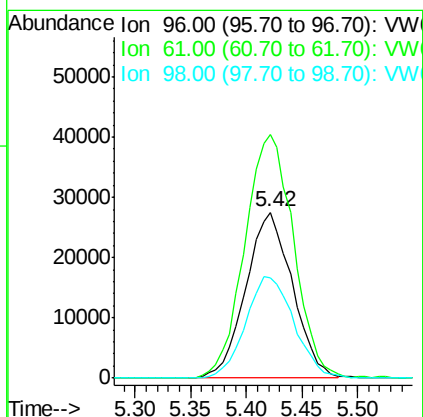
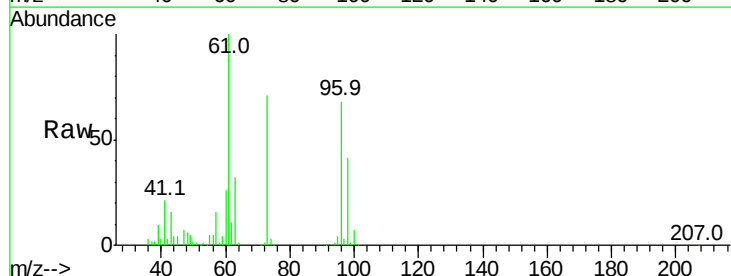
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

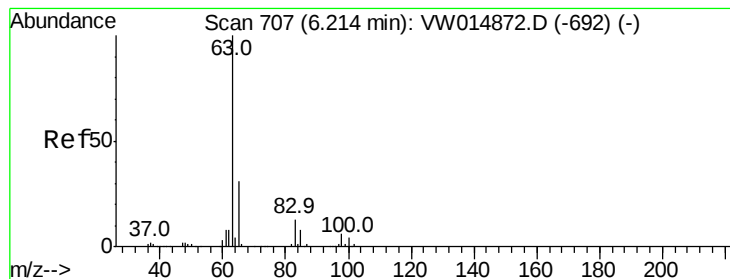
Tgt Ion: 73 Resp: 99833
Ion Ratio Lower Upper
73 100
43 22.2 17.5 26.3
57 24.3 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 5.086 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

Tgt Ion: 96 Resp: 80201
Ion Ratio Lower Upper
96 100
61 146.7 104.4 194.0
98 60.1 43.8 81.3





#19

1,1-Dichloroethane

Concen: 5.059 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampled :

VSTD00501

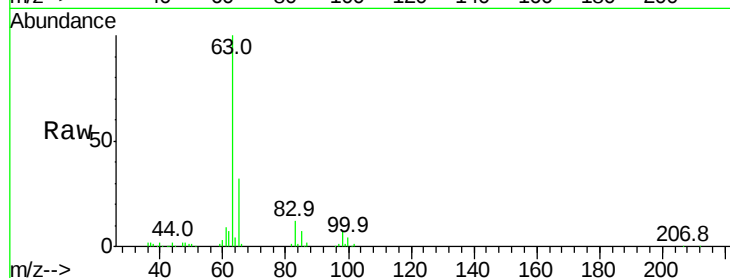
Tgt Ion: 63 Resp: 161991

Ion Ratio Lower Upper

63 100

65 32.2 21.5 39.9

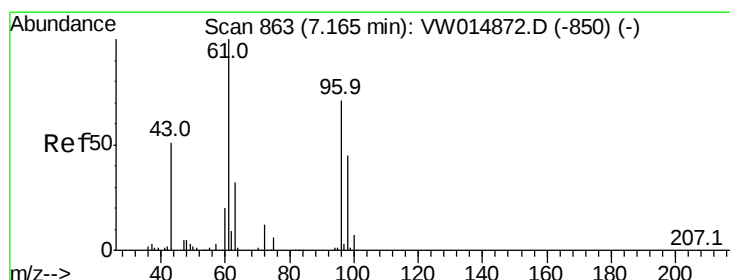
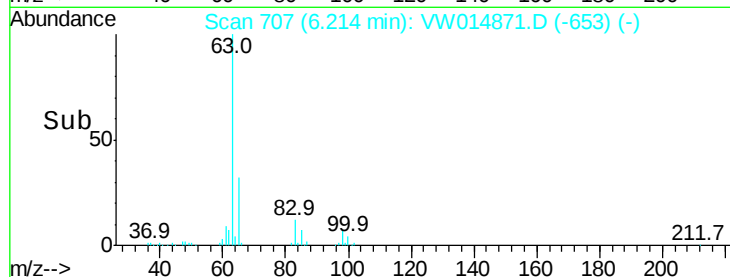
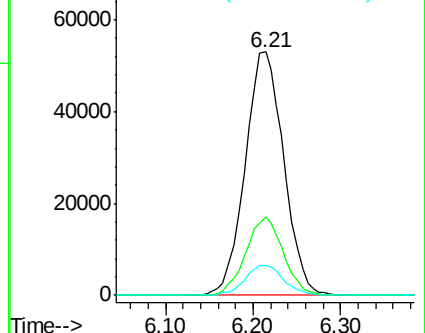
83 12.4 8.8 16.3



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: 8.310 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014871.D

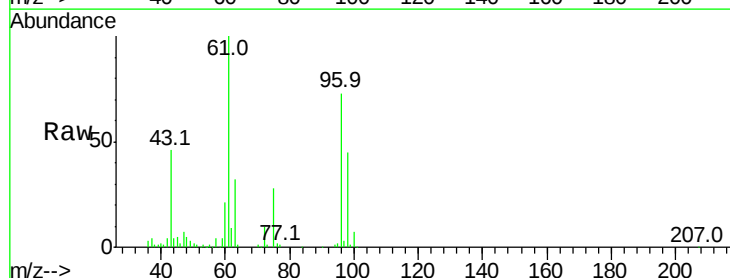
Acq: 05 Feb 2020 13:48

Tgt Ion: 43 Resp: 59732

Ion Ratio Lower Upper

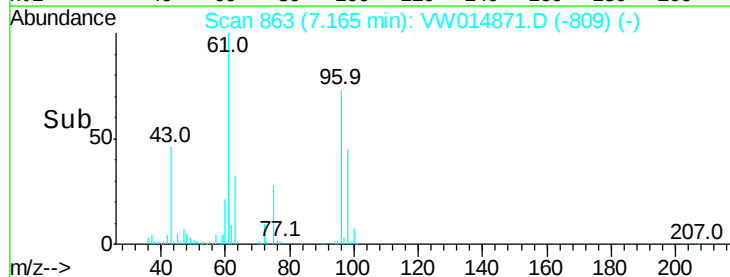
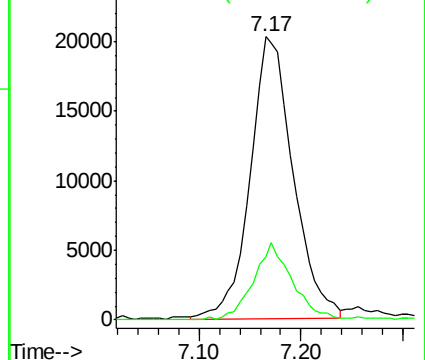
43 100

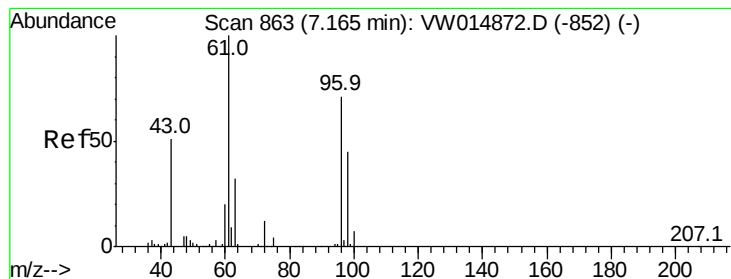
72 24.1 11.9 35.5



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: 5.133 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

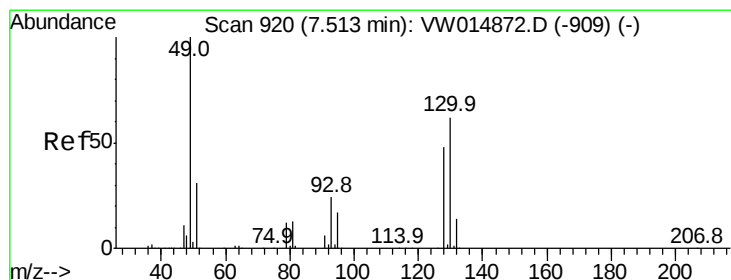
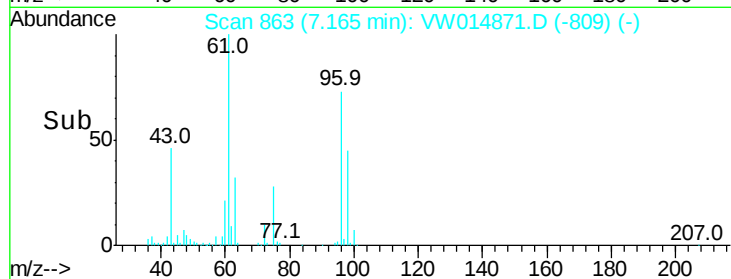
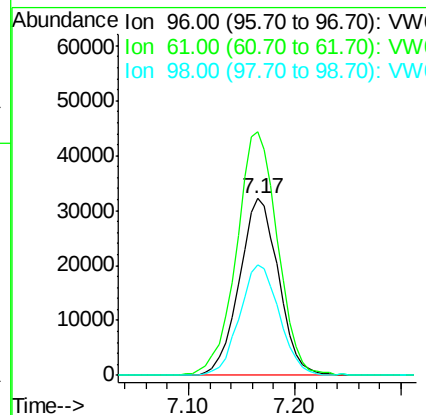
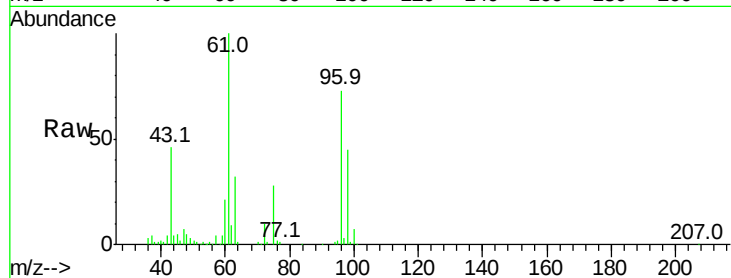
Tgt Ion: 96 Resp: 83658

Ion Ratio Lower Upper

96 100

61 137.8 98.6 183.0

98 62.7 44.2 82.2



#23

Bromochloromethane

Concen: 5.158 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Tgt Ion: 128 Resp: 35952

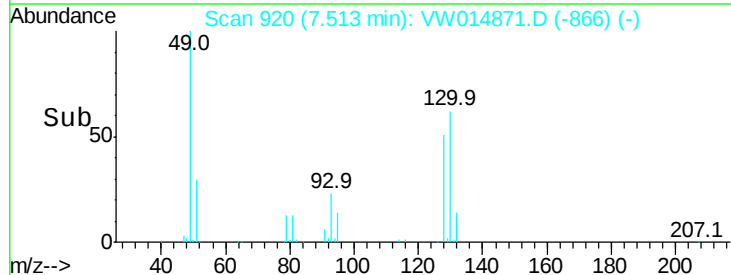
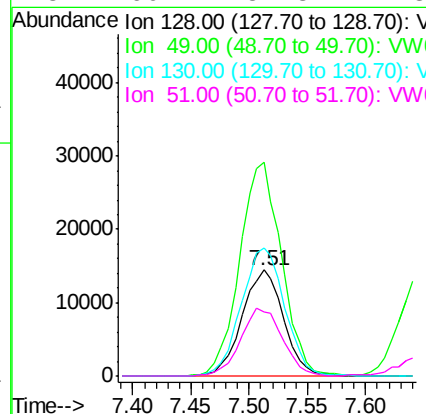
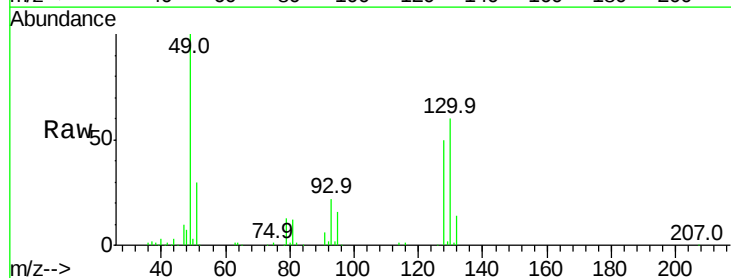
Ion Ratio Lower Upper

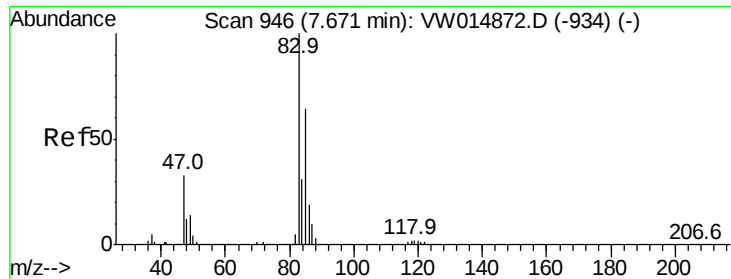
128 100

49 202.0 146.0 271.2

130 121.5 90.9 168.9

51 60.2 51.8 77.8

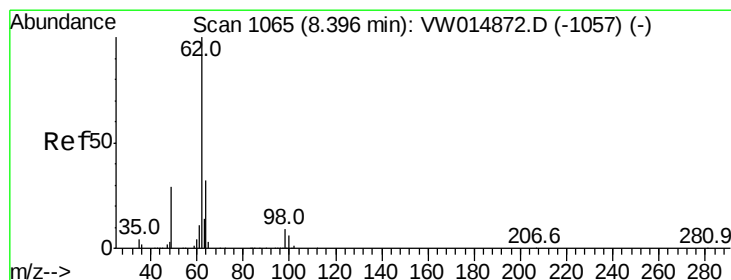
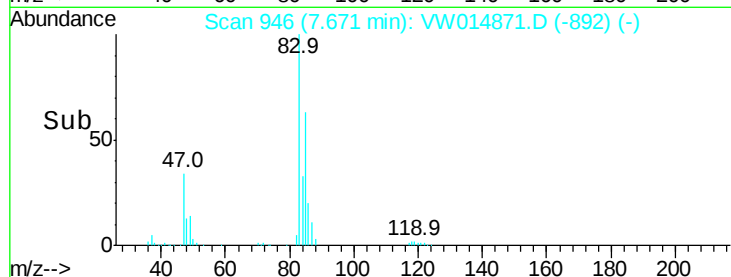
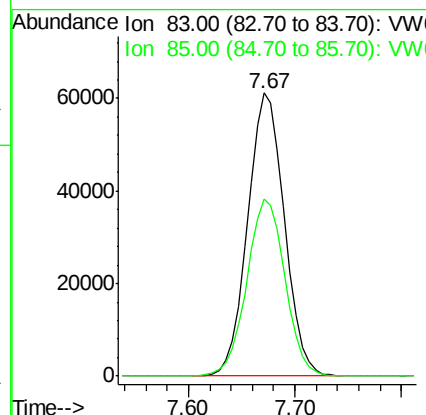
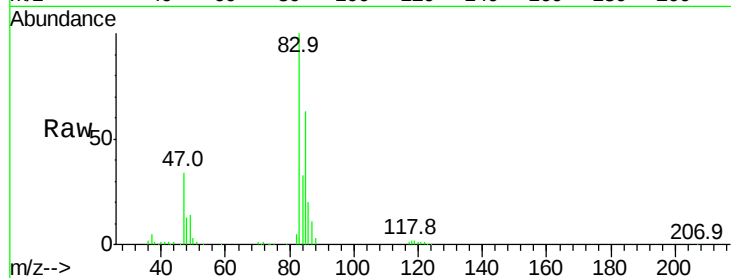




#25
Chloroform
Concen: 5.068 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

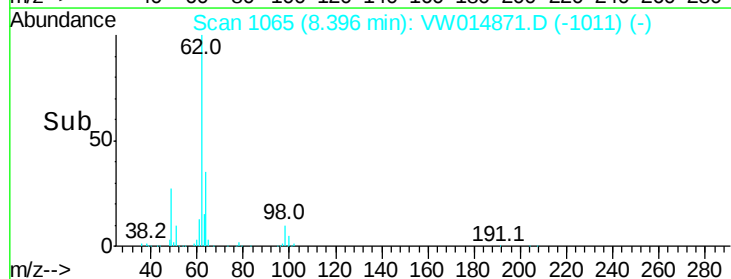
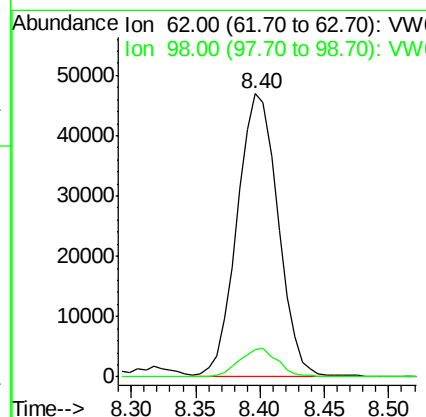
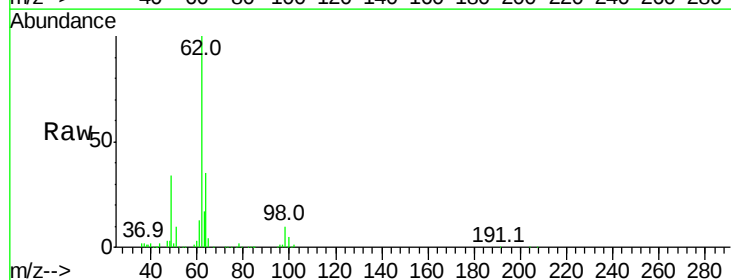
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

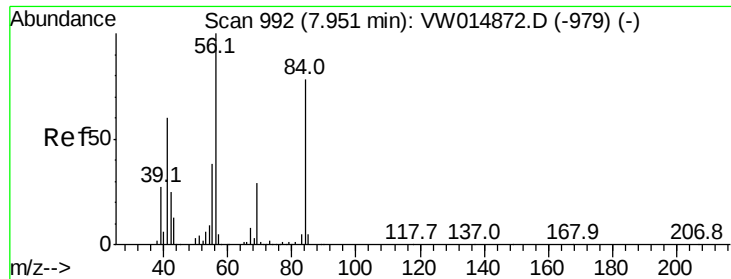
Tgt Ion: 83 Resp: 148132
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.089 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

Tgt Ion: 62 Resp: 103928
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8

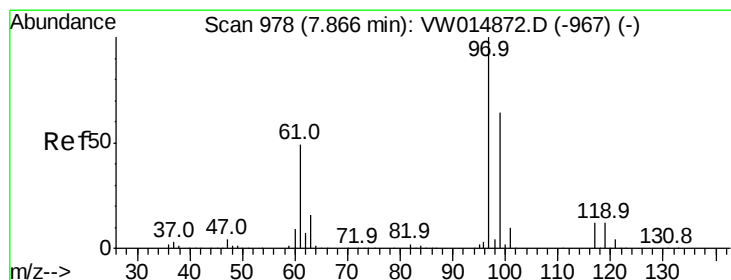
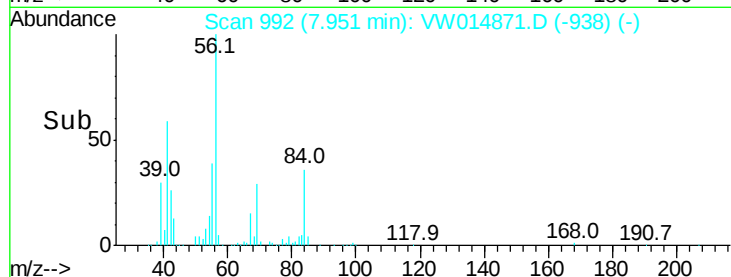
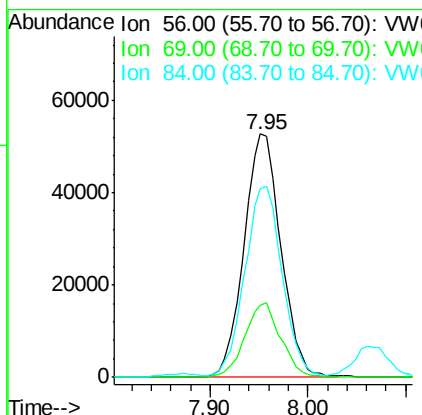
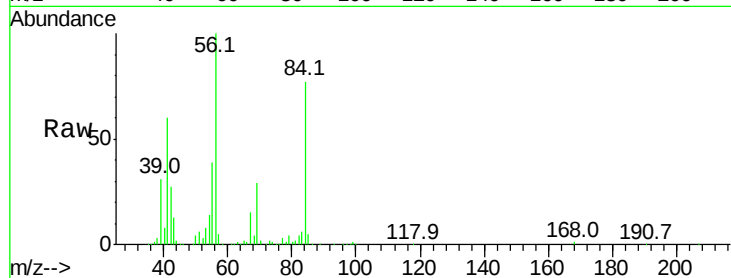




#30
Cyclohexane
Concen: 4.838 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

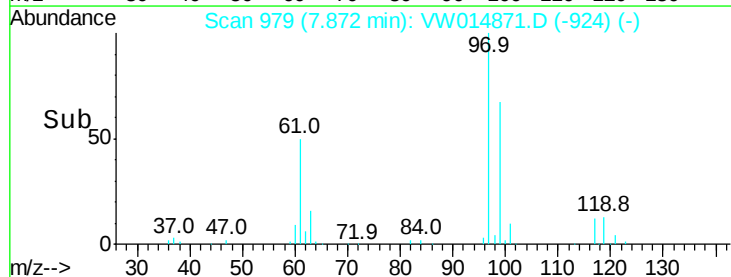
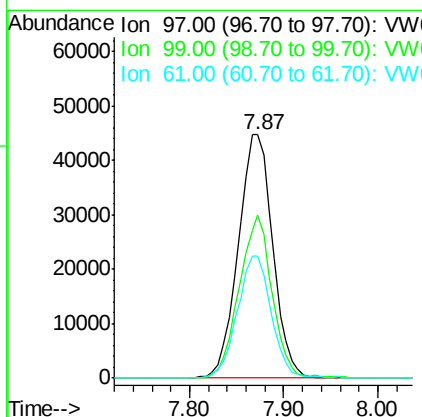
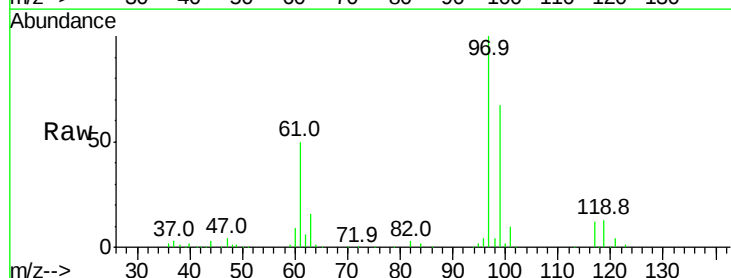
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

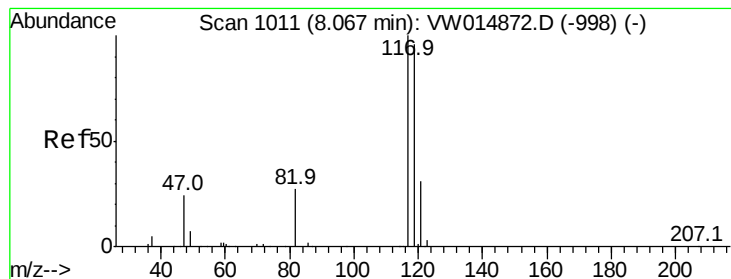
Tgt Ion: 56 Resp: 138036
Ion Ratio Lower Upper
56 100
69 29.5 22.9 34.3
84 78.1 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 5.175 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

Tgt Ion: 97 Resp: 114634
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 49.4 38.9 58.3





#32

Carbon tetrachloride

Concen: 5.105 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

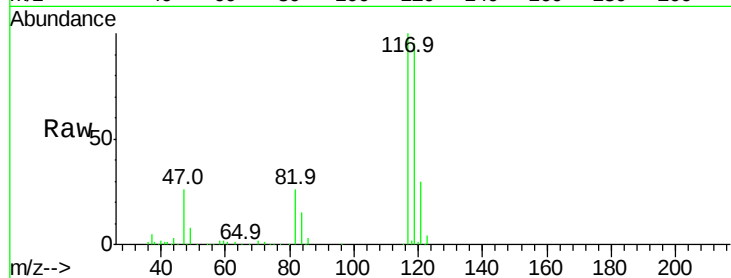
VSTD00501

Tgt Ion:117 Resp: 102721

Ion Ratio Lower Upper

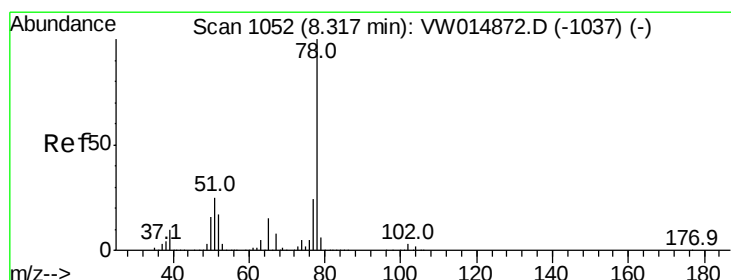
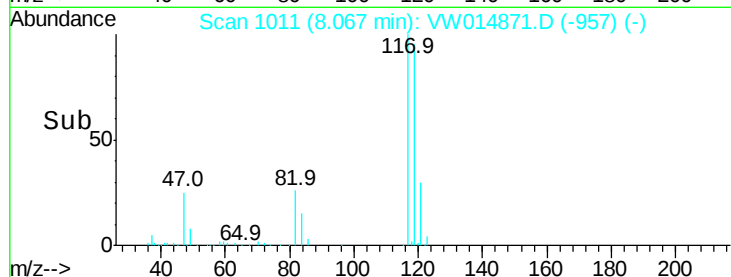
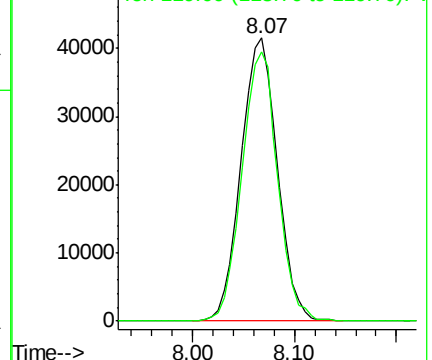
117 100

119 93.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.262 ug/L

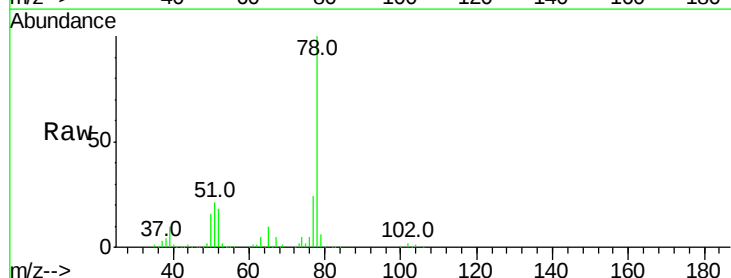
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

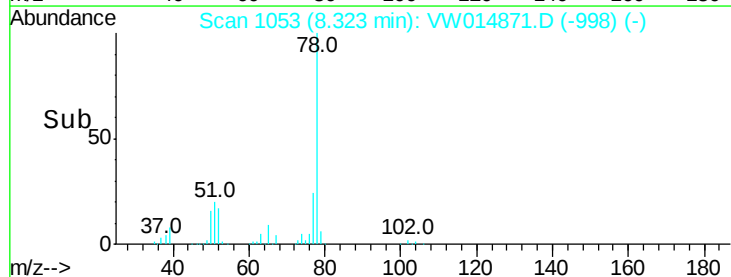
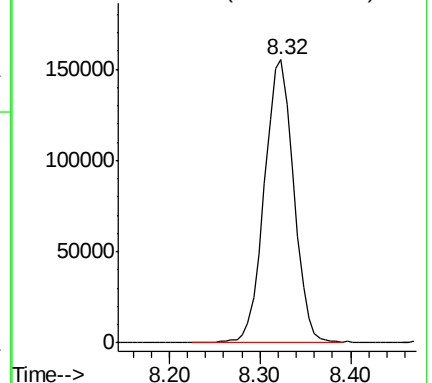
Lab File: VW014871.D

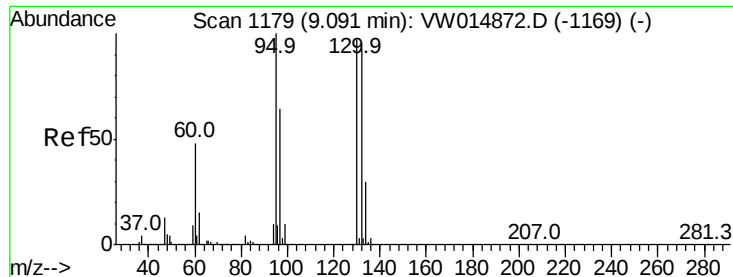
Acq: 05 Feb 2020 13:48

Tgt Ion: 78 Resp: 347815



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.232 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

Tgt Ion: 95 Resp: 85402

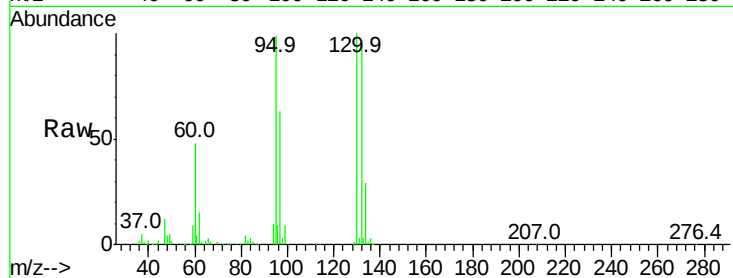
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.5

132 91.8 63.6 118.0

130 96.6 67.3 124.9

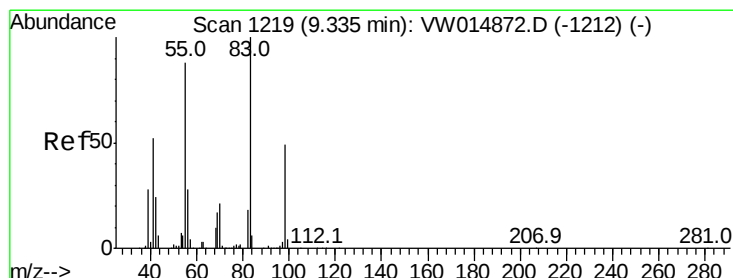
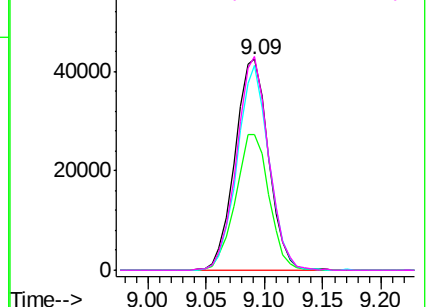
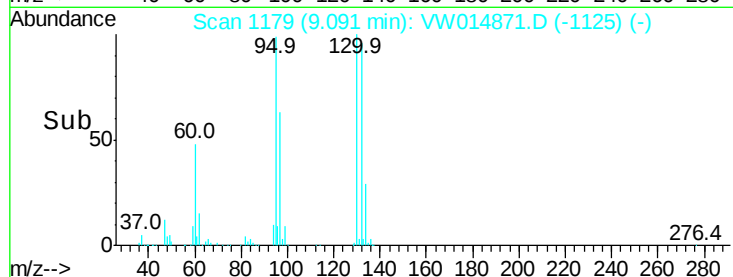


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.957 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

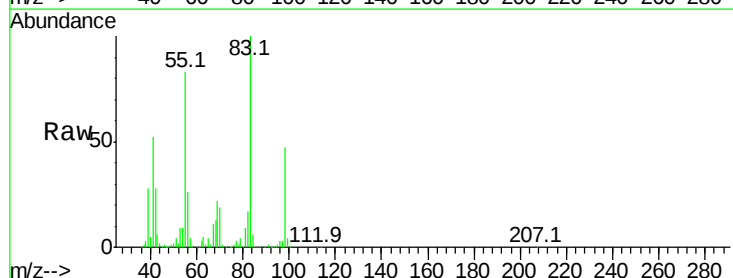
Tgt Ion: 83 Resp: 141730

Ion Ratio Lower Upper

83 100

55 86.8 68.0 102.0

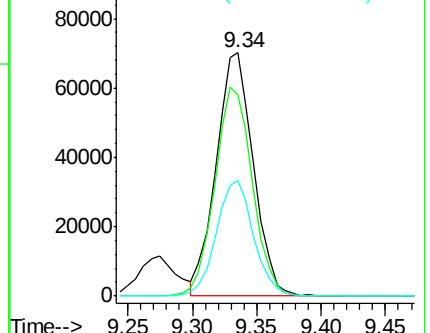
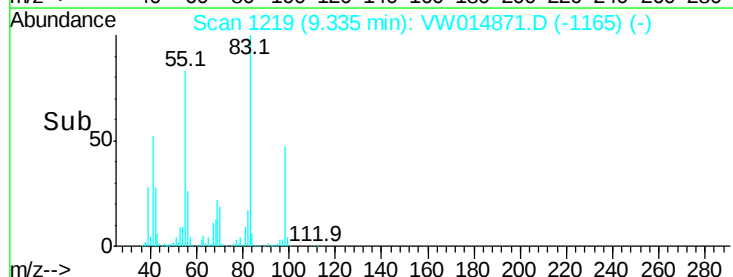
98 47.7 37.8 56.6

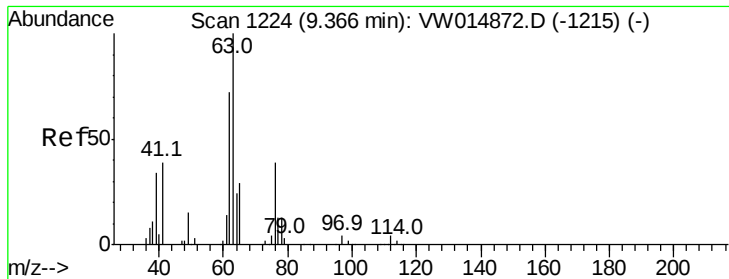


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

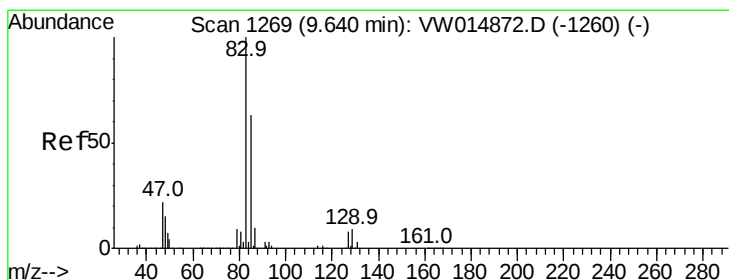
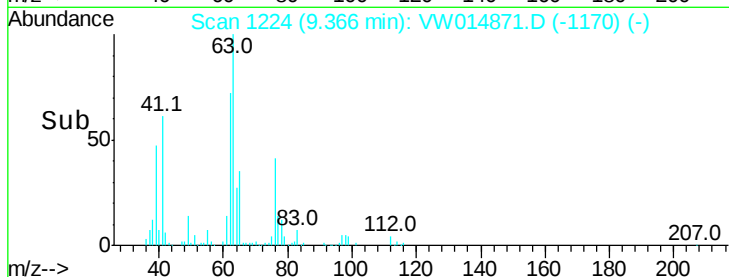
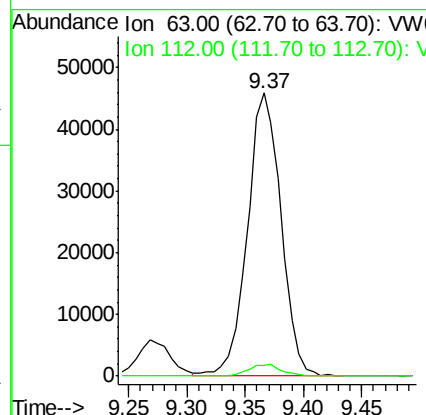
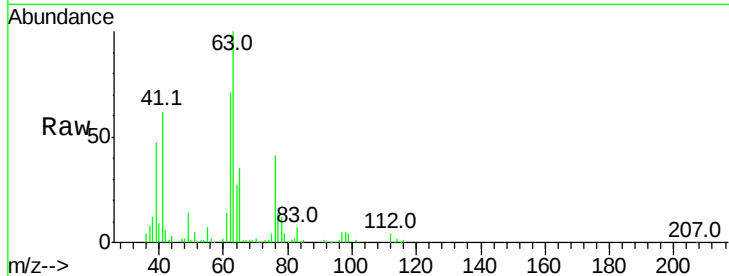




#40
 1,2-Dichloropropane
 Concen: 5.167 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

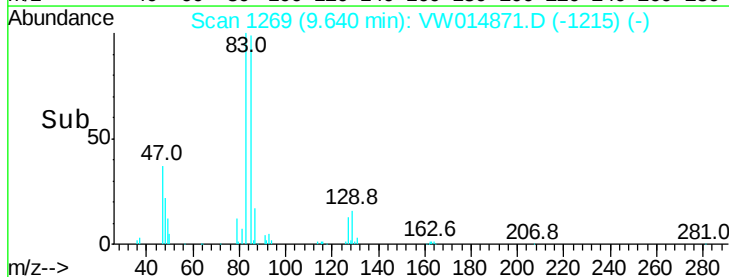
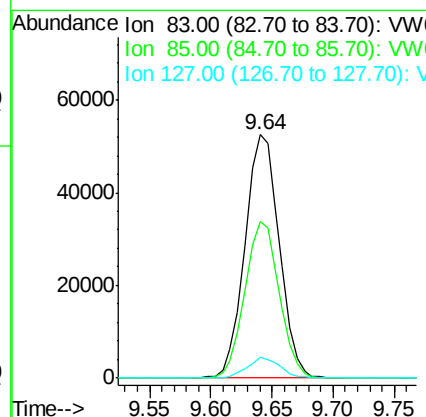
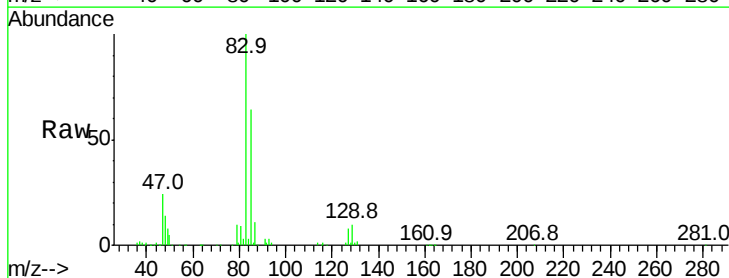
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

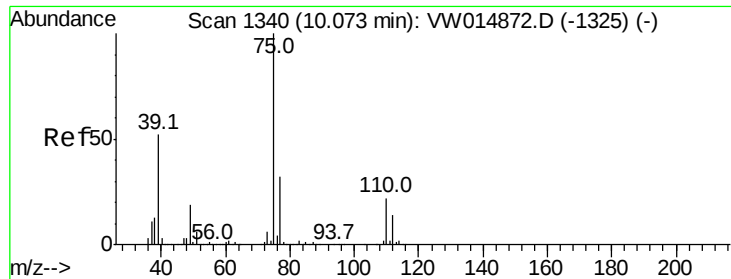
Tgt Ion: 63 Resp: 92119
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.1 4.7



#41
 Bromodichloromethane
 Concen: 5.026 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

Tgt Ion: 83 Resp: 102668
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.2 82.0
 127 8.5 6.0 9.0

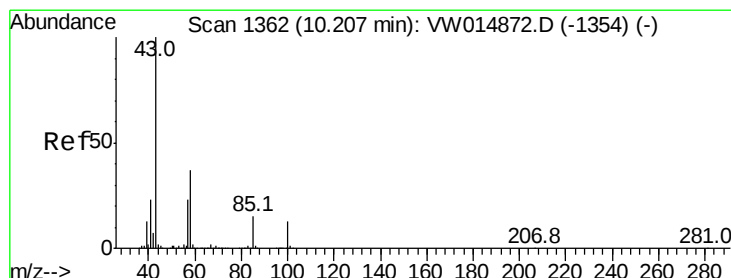
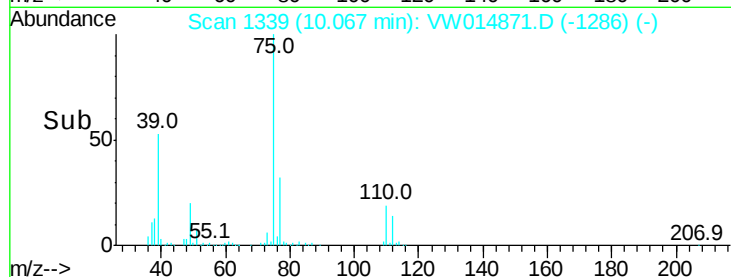
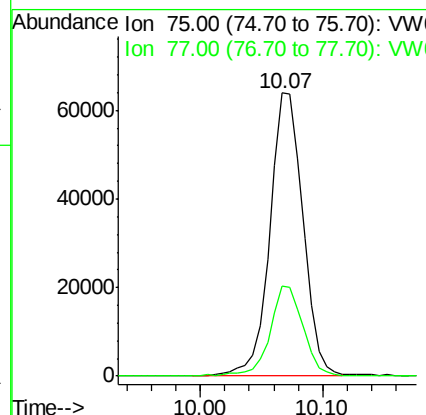
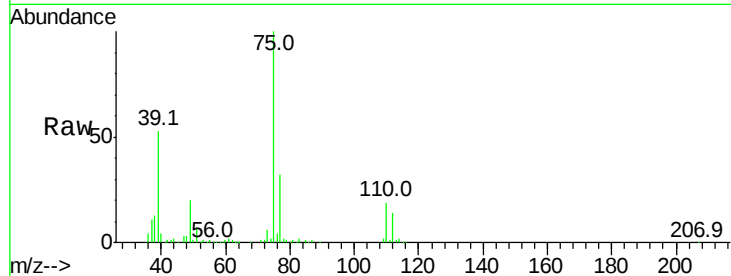




#42
 cis-1,3-Dichloropropene
 Concen: 4.864 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

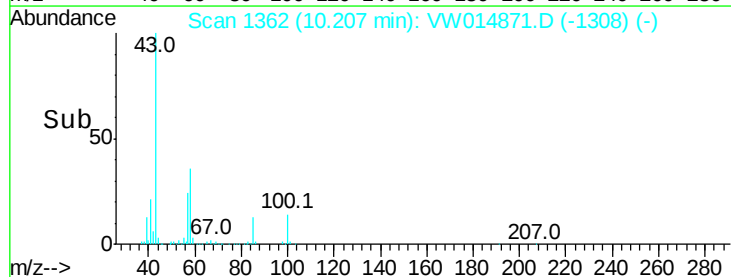
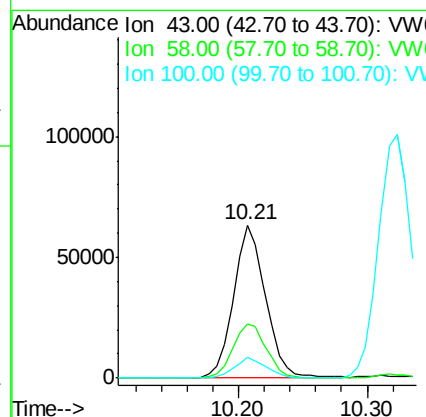
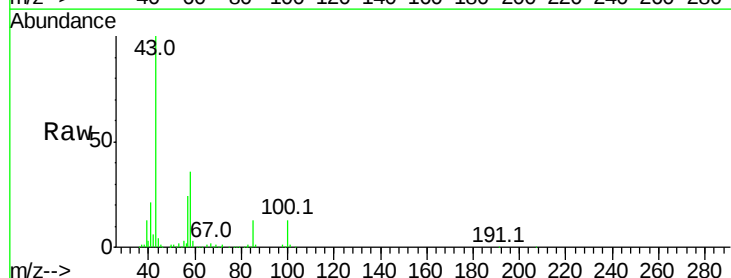
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

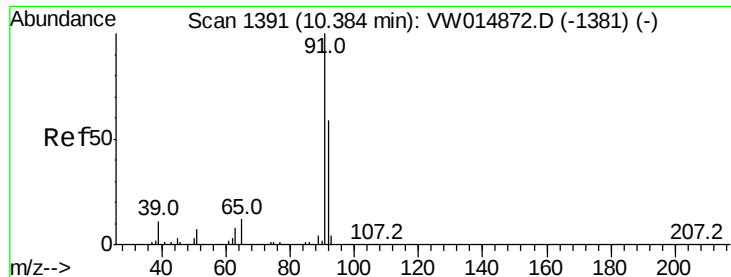
Tgt Ion: 75 Resp: 120690
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.9



#43
 4-Methyl-2-pentanone
 Concen: 8.366 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

Tgt Ion: 43 Resp: 109514
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.0 45.0
 100 13.1 10.6 15.8





#44

Toluene

Concen: 5.232 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampled :

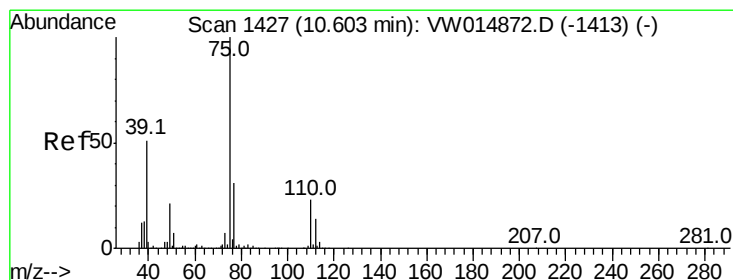
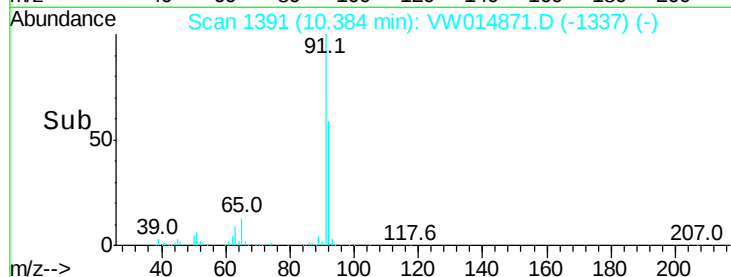
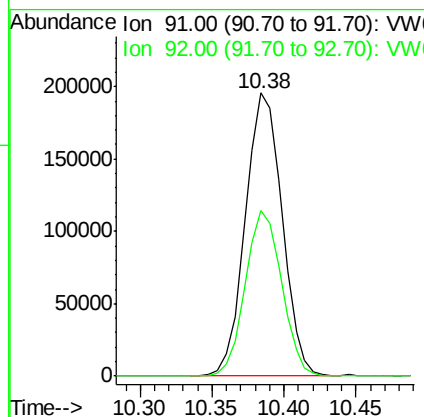
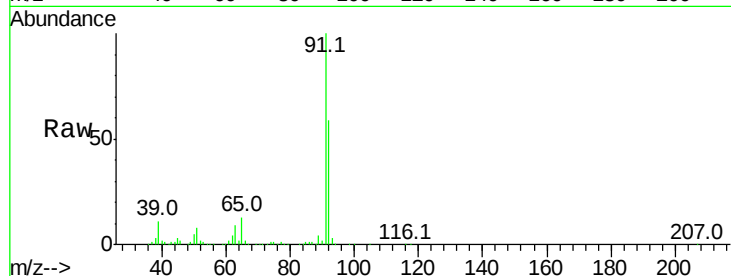
VSTD00501

Tgt Ion: 91 Resp: 346010

Ion Ratio Lower Upper

91 100

92 58.6 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 4.886 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014871.D

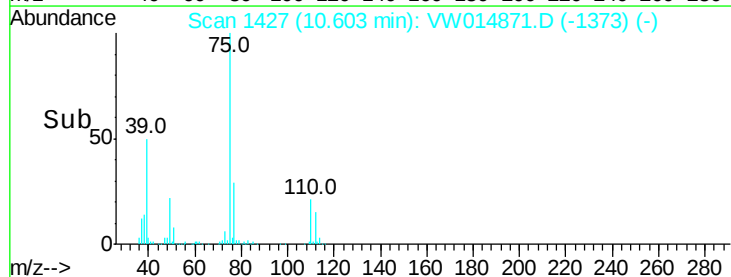
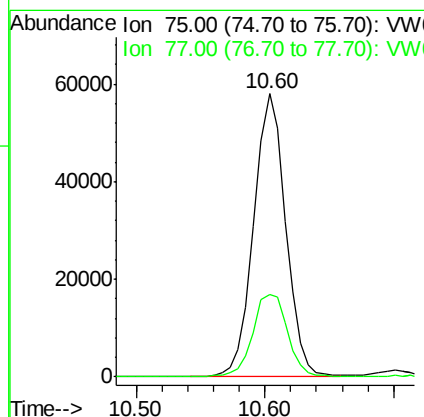
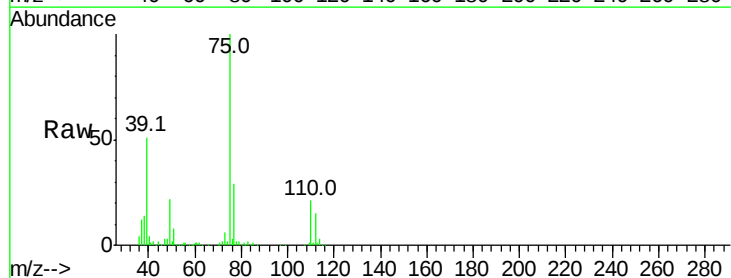
Acq: 05 Feb 2020 13:48

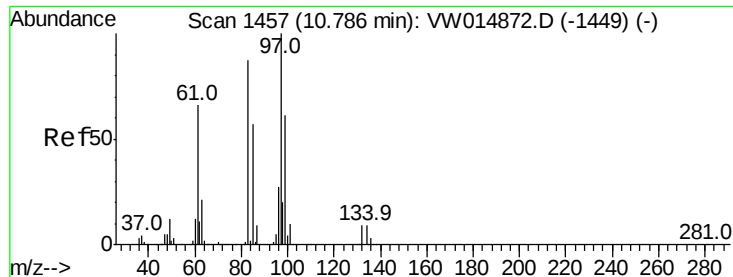
Tgt Ion: 75 Resp: 99775

Ion Ratio Lower Upper

75 100

77 29.0 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 5.109 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

Tgt Ion: 97 Resp: 60268

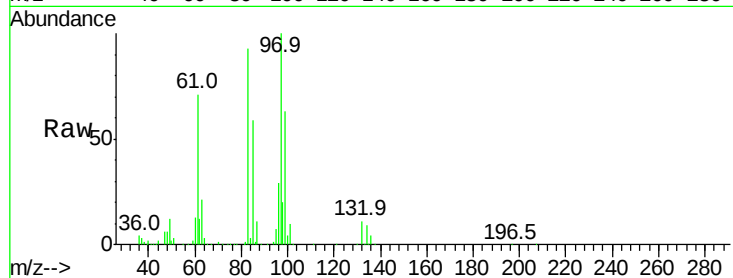
Ion Ratio Lower Upper

97 100

83 92.7 60.8 112.8

85 58.6 39.9 74.1

99 62.6 42.8 79.6

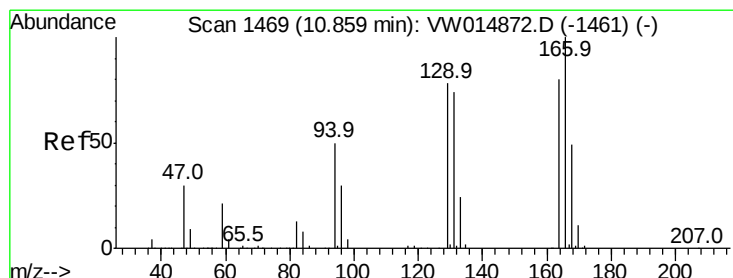
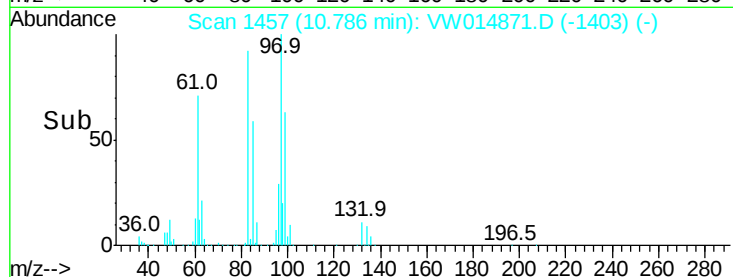
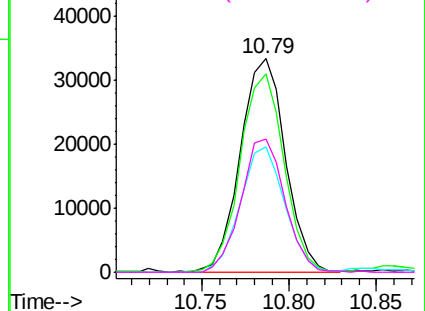


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.232 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Tgt Ion: 164 Resp: 63714

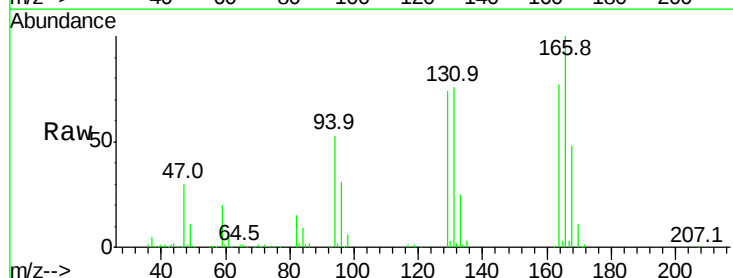
Ion Ratio Lower Upper

164 100

129 96.0 67.5 125.4

131 97.7 64.0 119.0

166 129.0 87.0 161.6

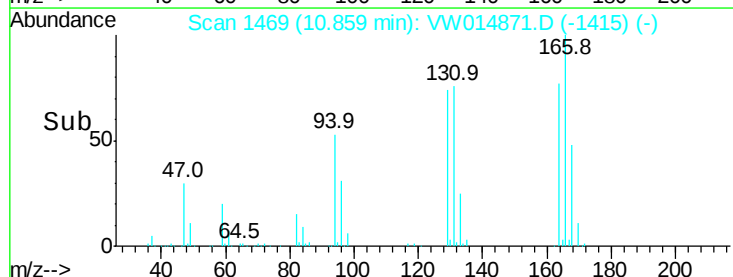
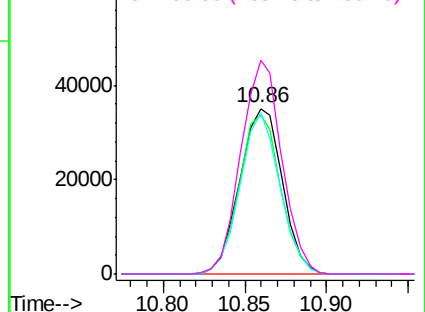


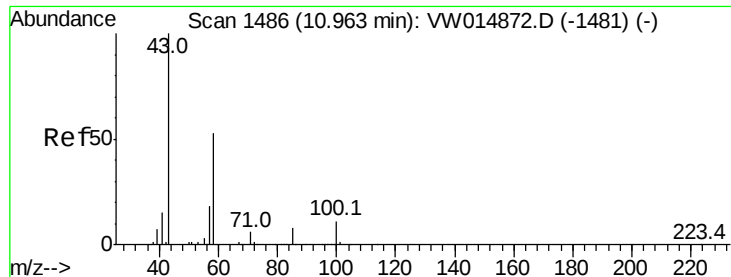
Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.691 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampled :

VSTD00501

Tgt Ion: 43 Resp: 78492

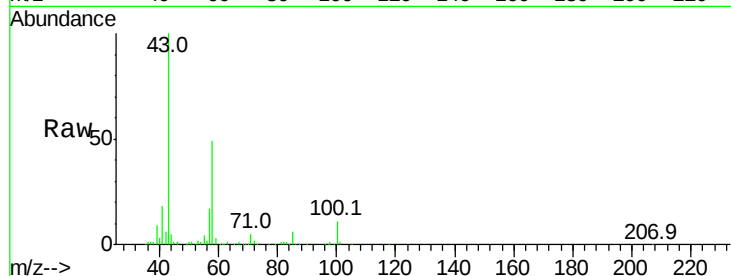
Ion Ratio Lower Upper

43 100

58 49.0 42.2 63.2

57 16.8 14.5 21.7

100 9.9 8.6 12.8

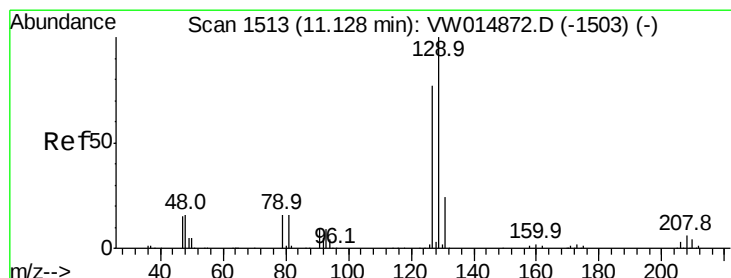
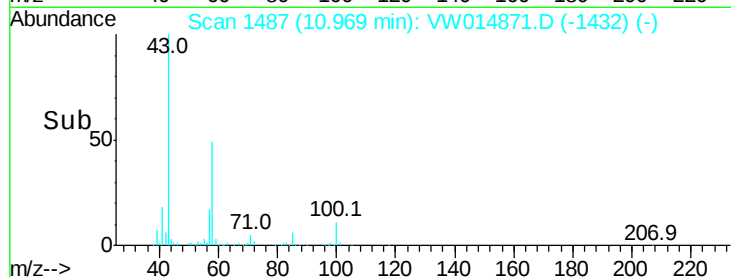
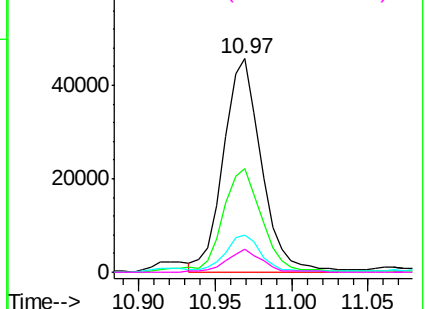


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 4.920 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014871.D

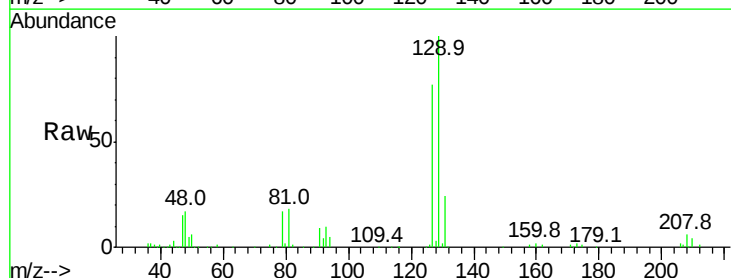
Acq: 05 Feb 2020 13:48

Tgt Ion: 129 Resp: 62403

Ion Ratio Lower Upper

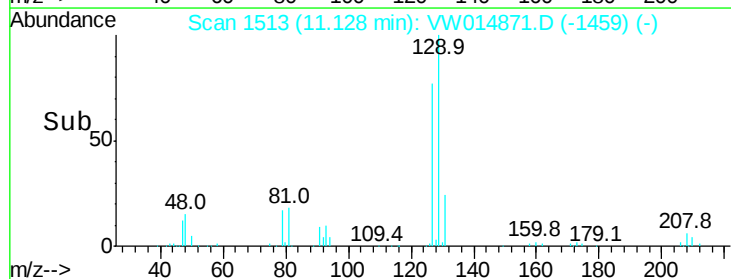
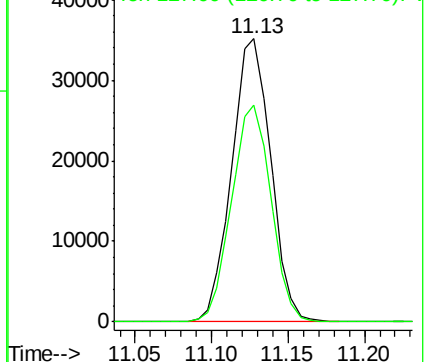
129 100

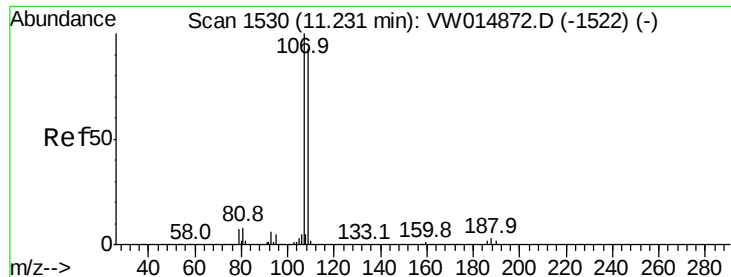
127 76.7 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

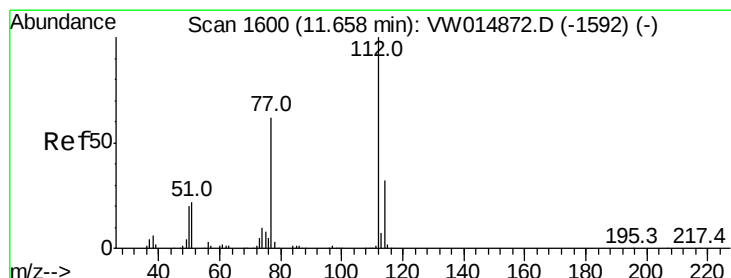
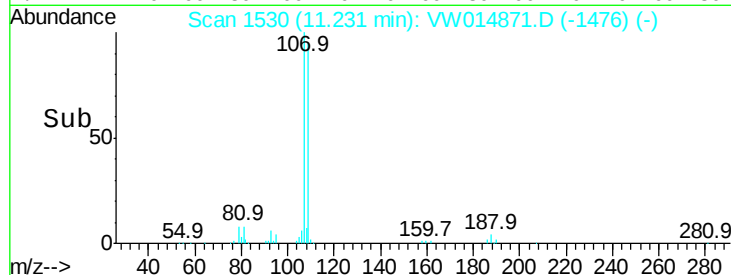
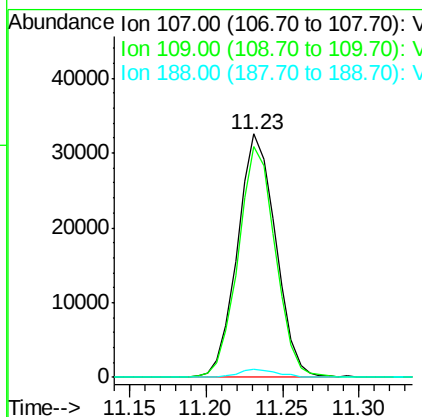
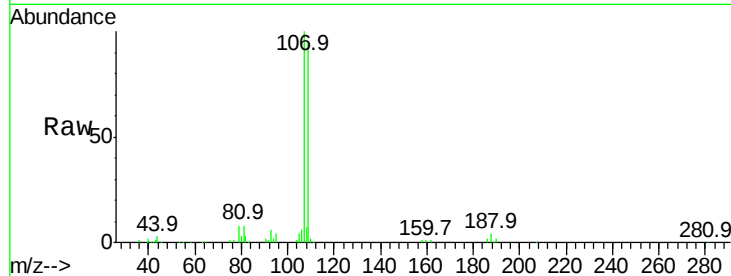




#51
1,2-Dibromoethane
Concen: 5.107 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

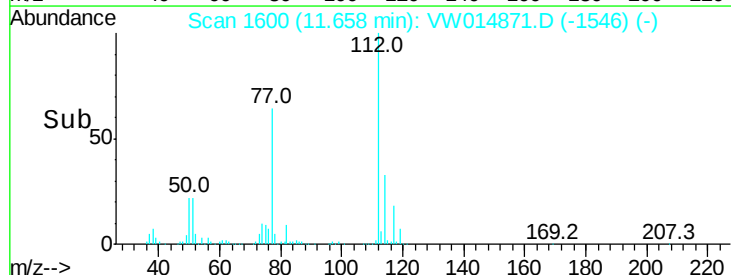
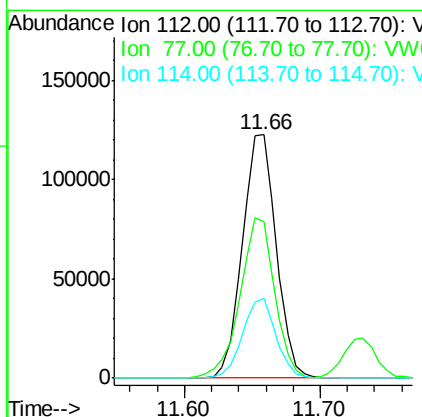
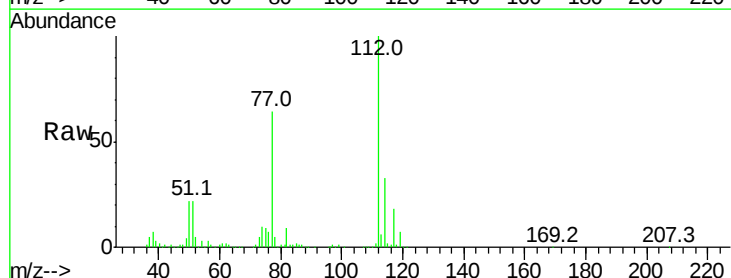
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

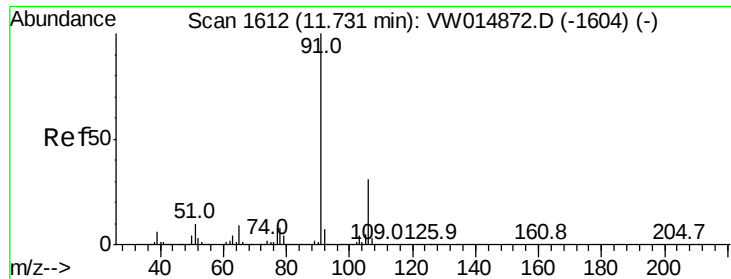
Tgt Ion:107 Resp: 56645
Ion Ratio Lower Upper
107 100
109 94.6 65.0 120.6
188 3.6 2.4 3.6



#52
Chlorobenzene
Concen: 5.293 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014871.D
Acq: 05 Feb 2020 13:48

Tgt Ion:112 Resp: 213523
Ion Ratio Lower Upper
112 100
77 64.2 49.9 74.9
114 32.5 22.7 42.1





#53

Ethylbenzene

Concen: 5.137 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

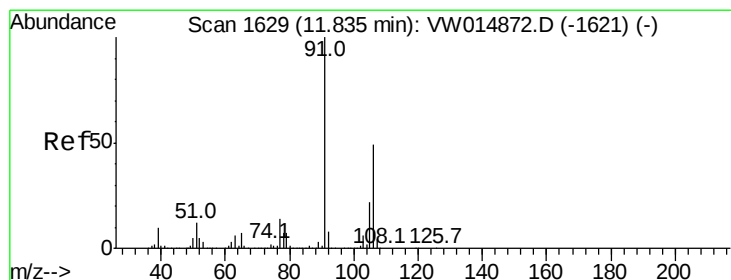
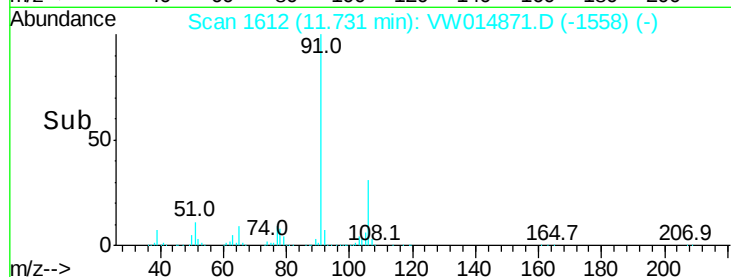
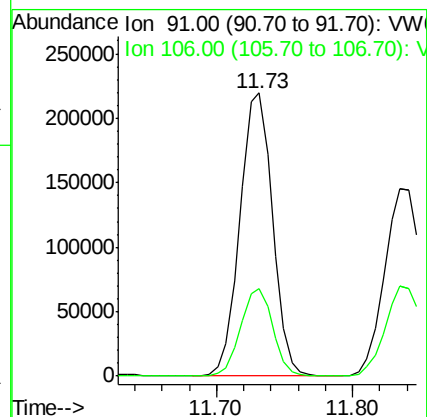
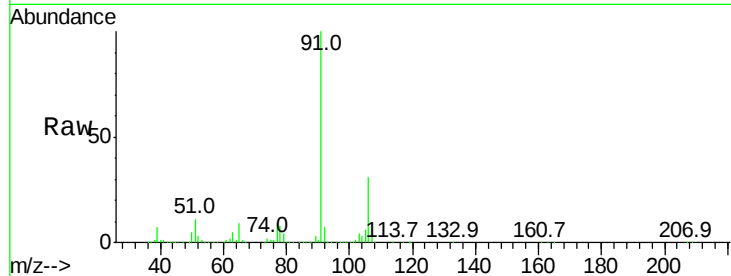
VSTD00501

Tgt Ion: 91 Resp: 368102

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#54

m,p-Xylene

Concen: 5.022 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014871.D

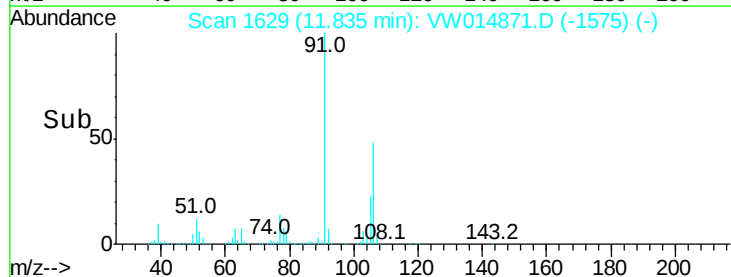
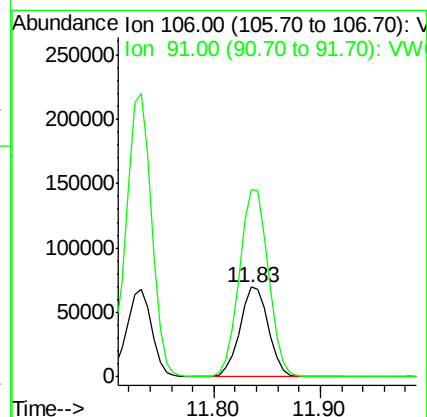
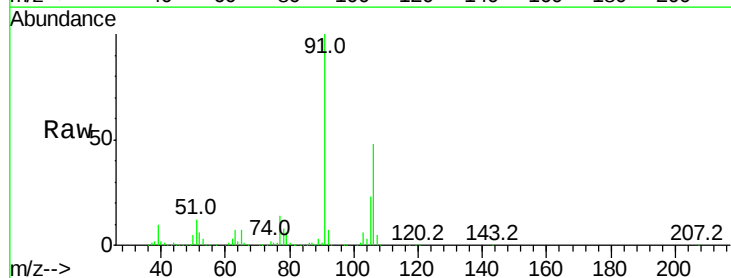
Acq: 05 Feb 2020 13:48

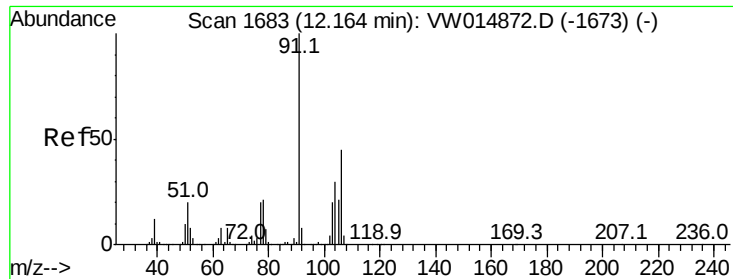
Tgt Ion: 106 Resp: 131687

Ion Ratio Lower Upper

106 100

91 209.3 143.4 266.4





#55

o-xylene

Concen: 5.108 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

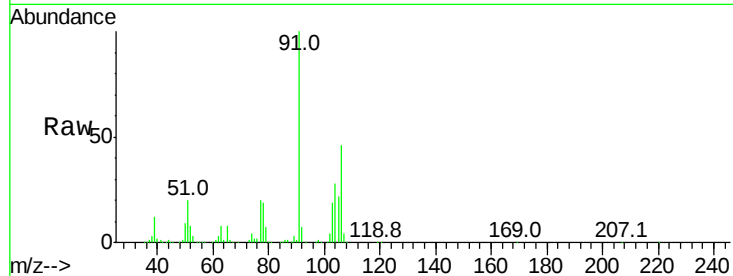
VSTD00501

Tgt Ion:106 Resp: 124777

Ion Ratio Lower Upper

106 100

91 215.8 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

200000

150000

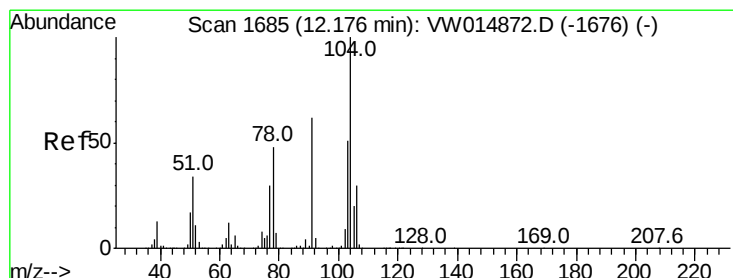
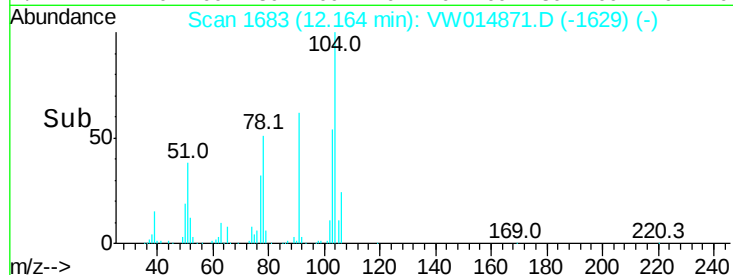
100000

50000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 5.031 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014871.D

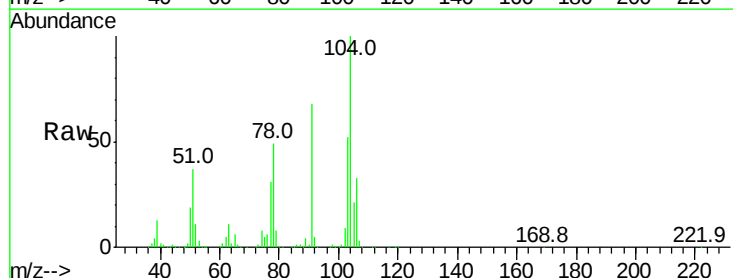
Acq: 05 Feb 2020 13:48

Tgt Ion:104 Resp: 209299

Ion Ratio Lower Upper

104 100

78 49.4 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

150000

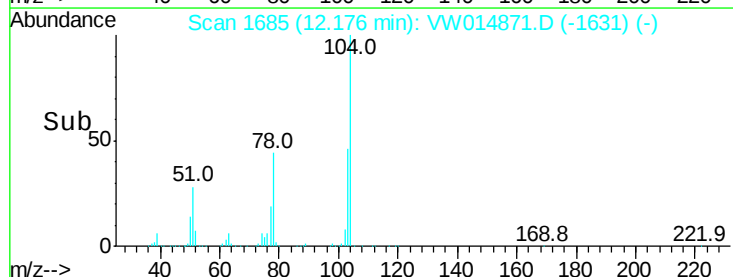
100000

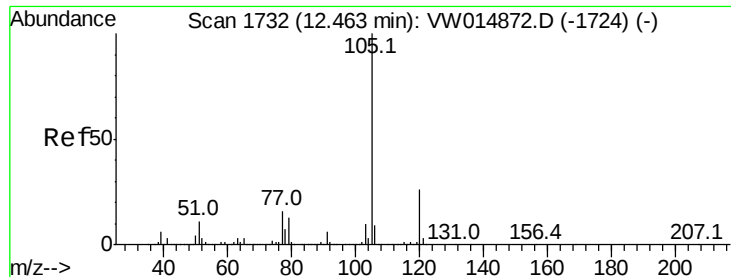
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 5.071 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

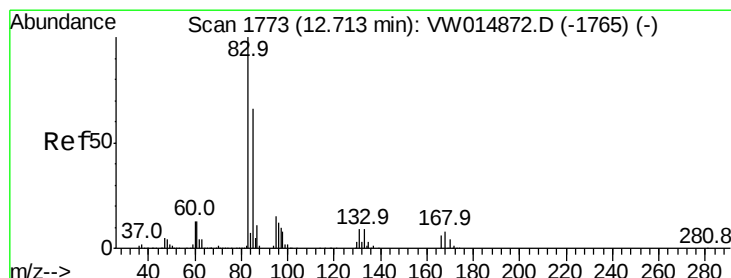
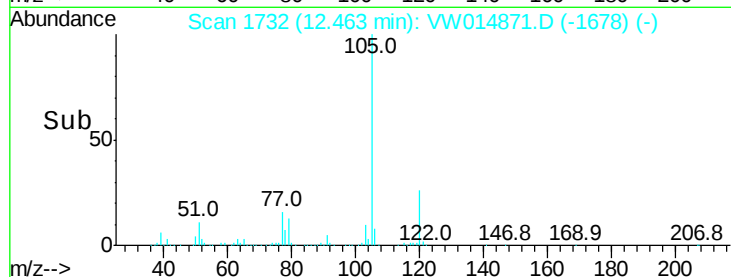
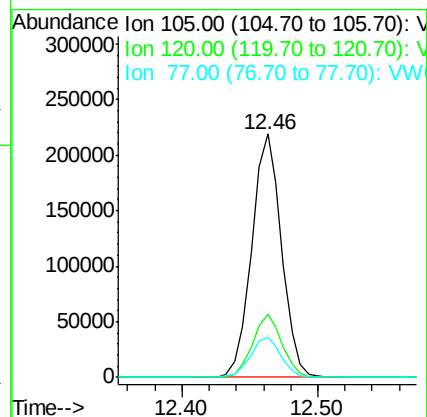
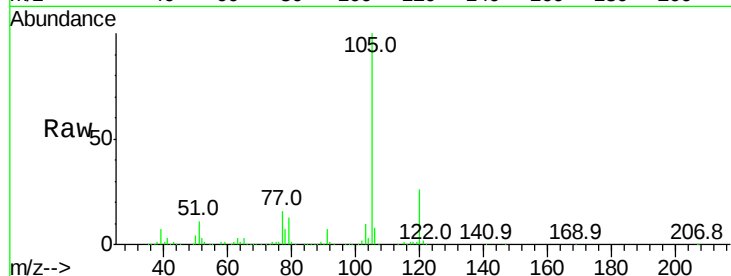
Tgt Ion: 105 Resp: 334996

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

77 16.8 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.924 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

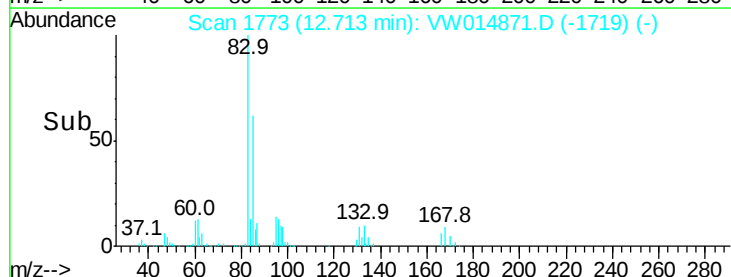
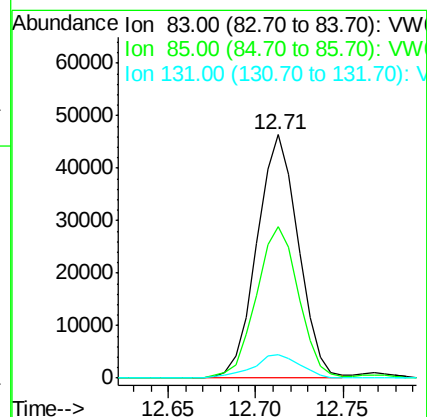
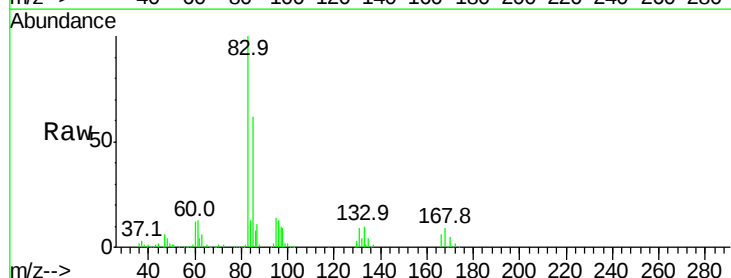
Tgt Ion: 83 Resp: 76257

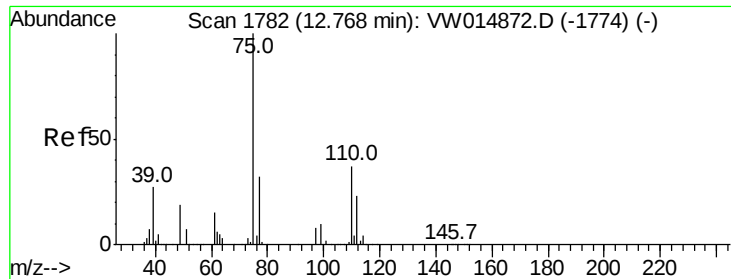
Ion Ratio Lower Upper

83 100

85 62.1 45.9 85.3

131 9.4 7.3 10.9





#59

1,2,3-Trichloropropane

Concen: 4.845 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

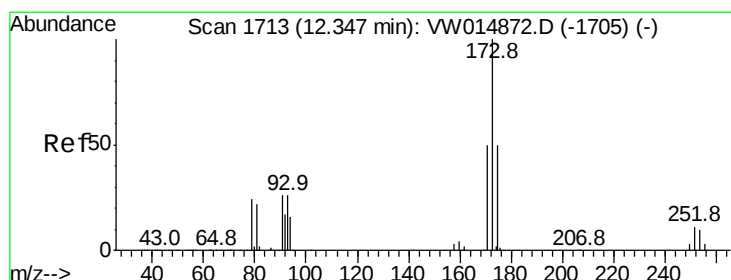
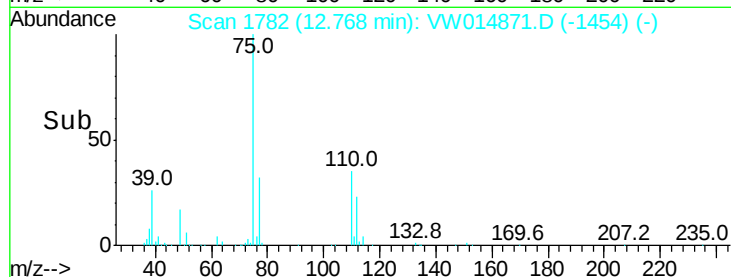
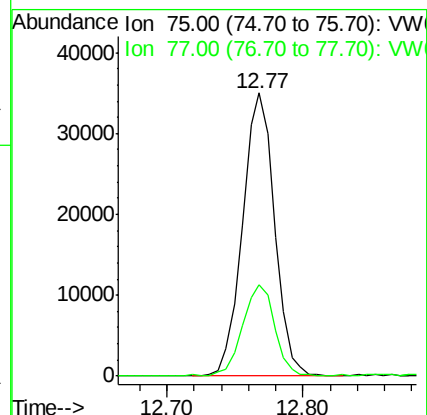
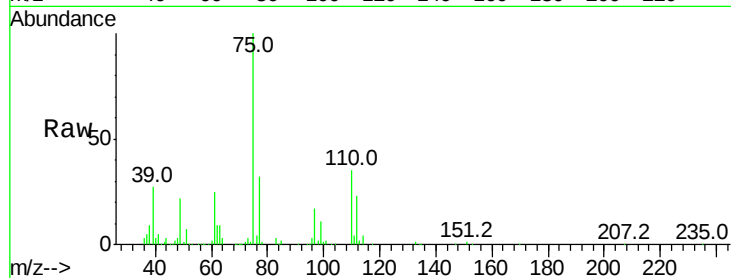
VSTD00501

Tgt Ion: 75 Resp: 57433

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 4.564 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

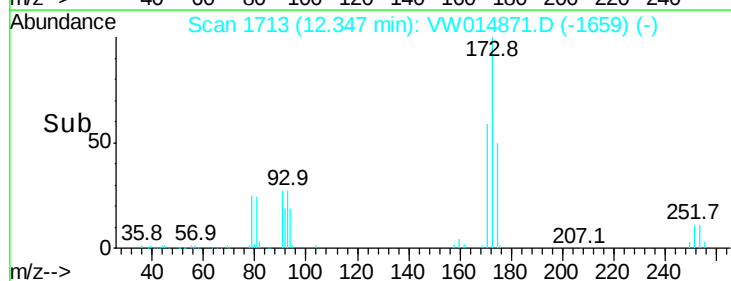
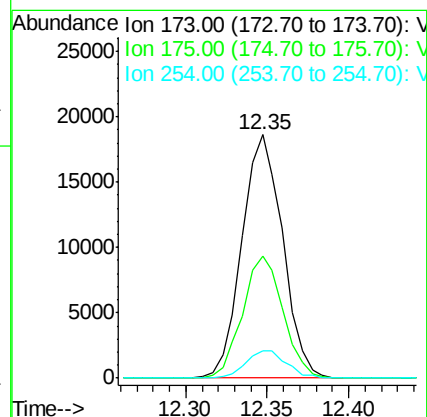
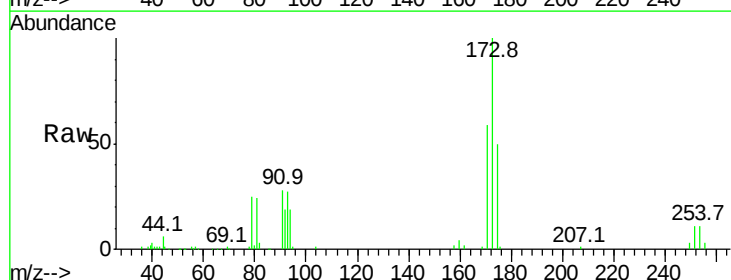
Tgt Ion: 173 Resp: 32305

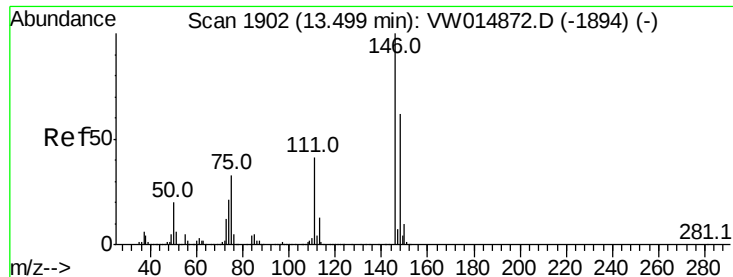
Ion Ratio Lower Upper

173 100

175 50.0 38.9 58.3

254 11.2 7.8 11.8

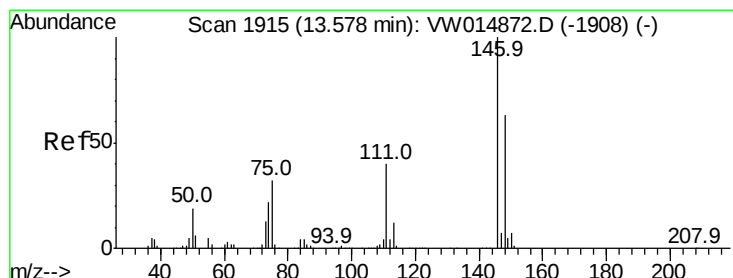
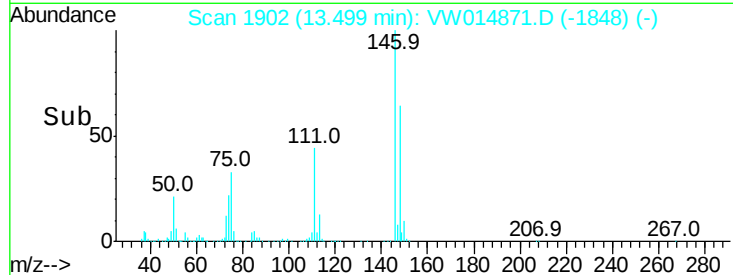
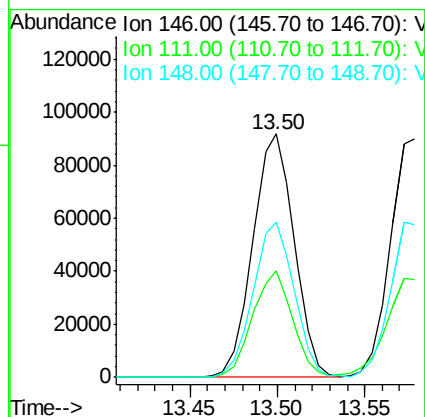
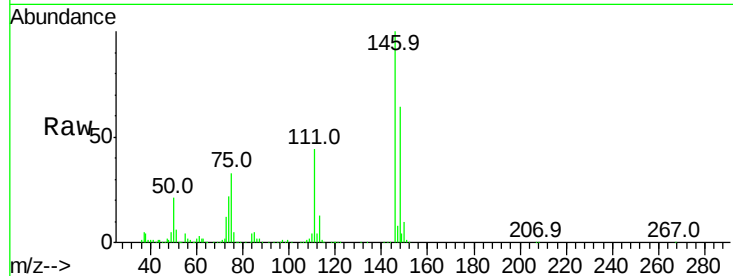




#63
 1,3-Dichlorobenzene
 Concen: 5.235 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

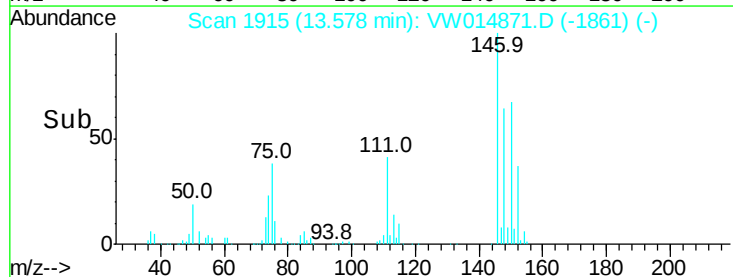
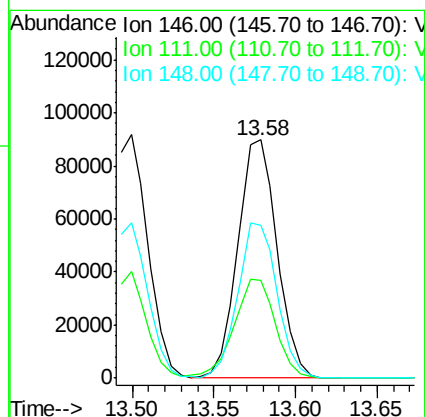
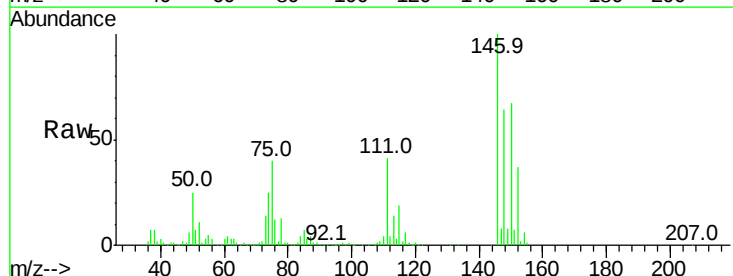
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

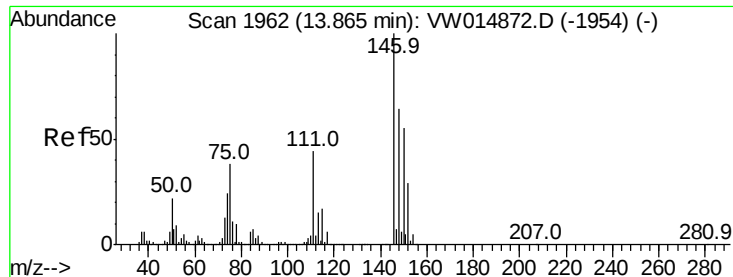
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	28.6	53.0
148	63.9	43.3	80.5



#64
 1,4-Dichlorobenzene
 Concen: 5.204 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	27.9	51.7
148	63.9	44.0	81.8

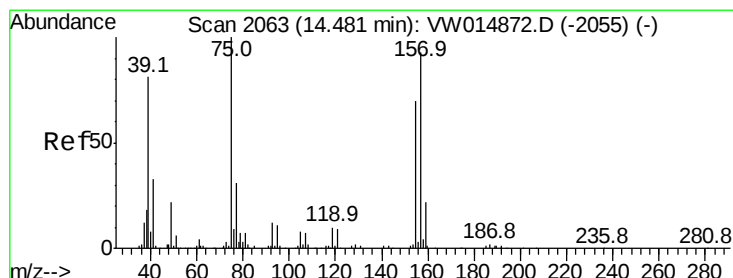
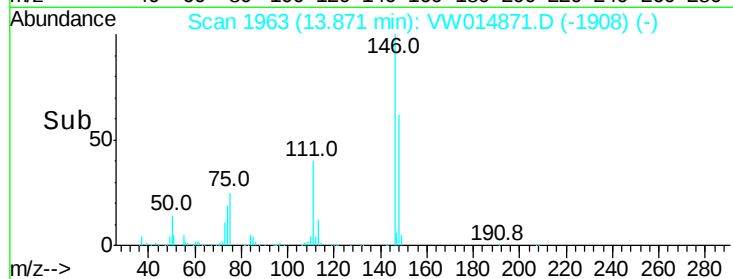
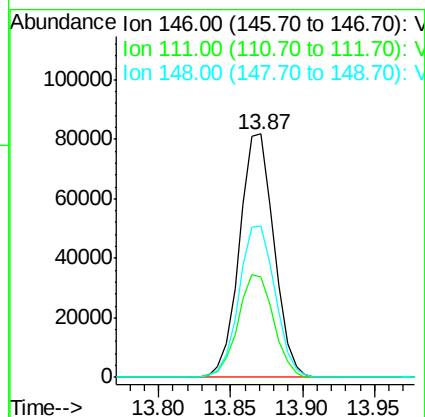
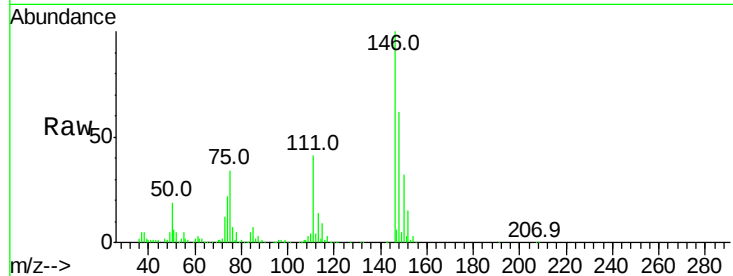




#65
 1,2-Dichlorobenzene
 Concen: 5.202 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

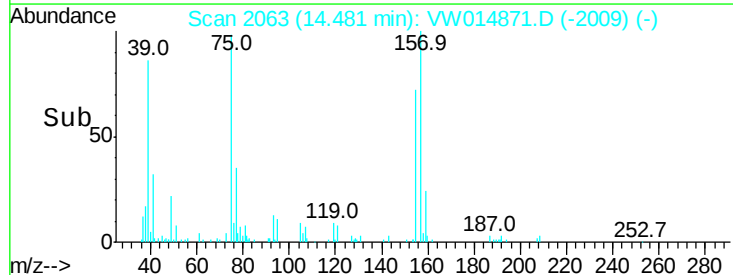
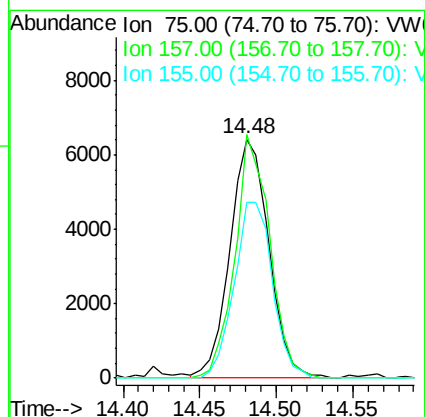
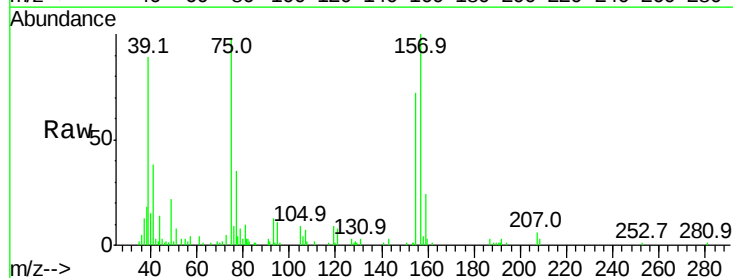
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

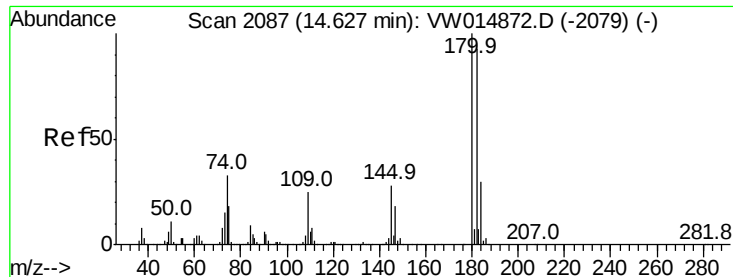
Tgt Ion: 146 Resp: 136028
 Ion Ratio Lower Upper
 146 100
 111 41.2 35.0 52.6
 148 62.4 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.438 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

Tgt Ion: 75 Resp: 11328
 Ion Ratio Lower Upper
 75 100
 157 102.0 74.2 111.4
 155 73.6 56.1 84.1

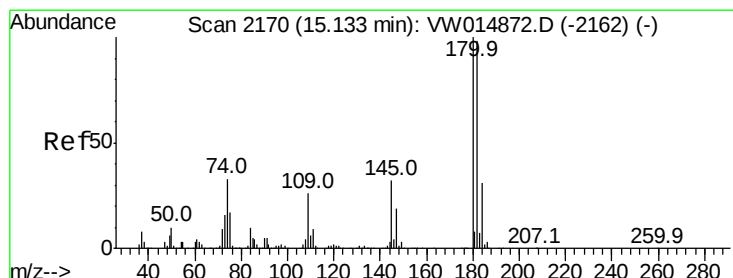
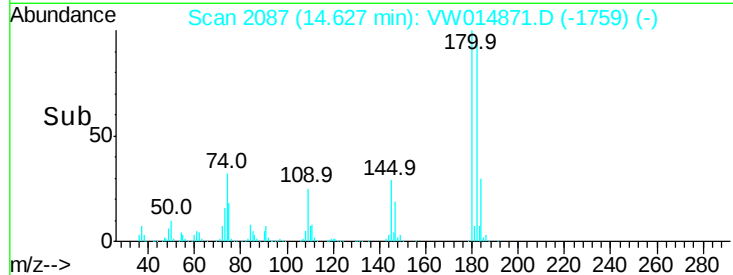
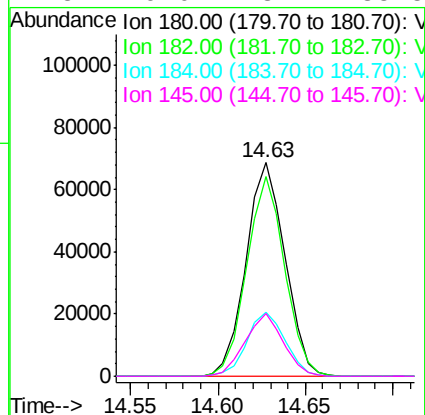
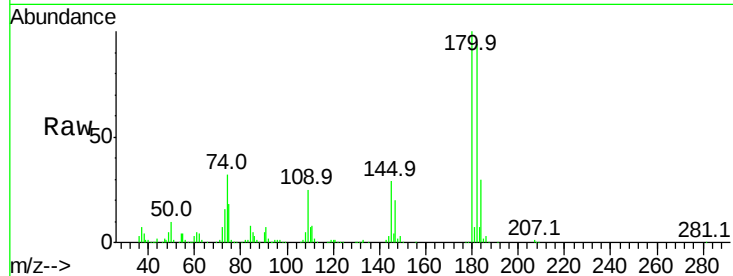




#67
 1,3,5-Trichlorobenzene
 Concen: 5.218 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

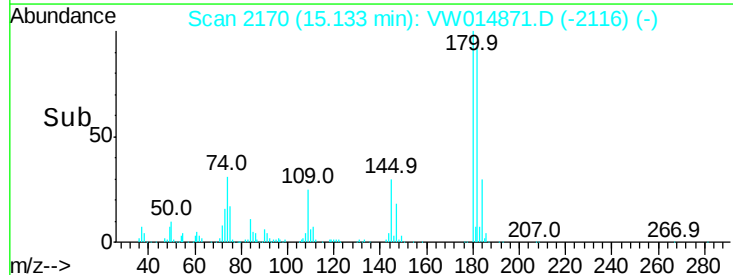
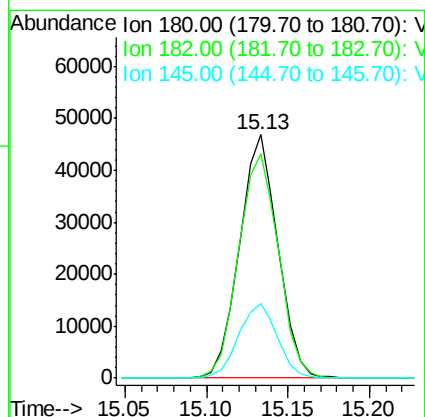
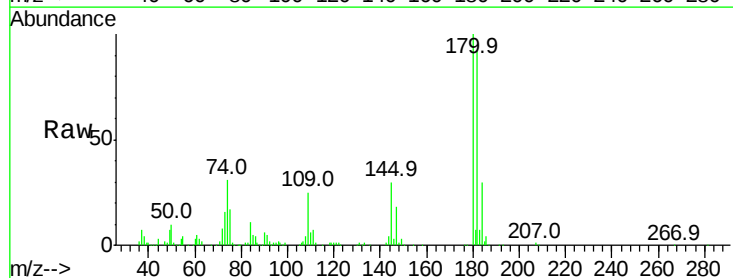
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

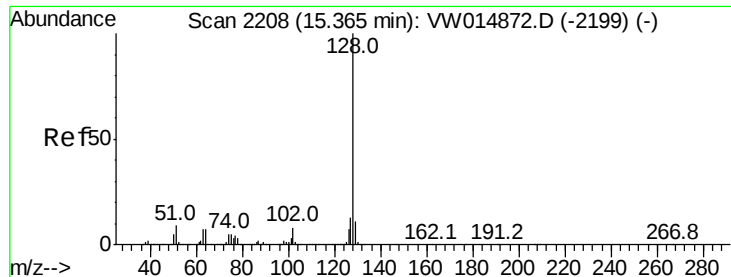
Tgt Ion:	180	Resp:	106198
Ion	Ratio	Lower	Upper
180	100		
182	91.5	75.5	113.3
184	29.3	24.6	36.8
145	29.0	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 4.805 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014871.D
 Acq: 05 Feb 2020 13:48

Tgt Ion:	180	Resp:	76407
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
145	31.2	24.6	37.0





#69

Naphthalene

Concen: 4.254 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

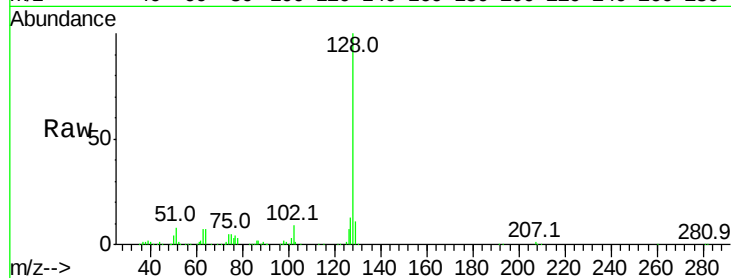
Tgt Ion:128 Resp: 137215

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

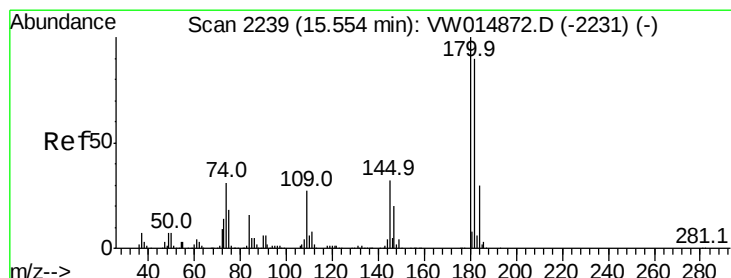
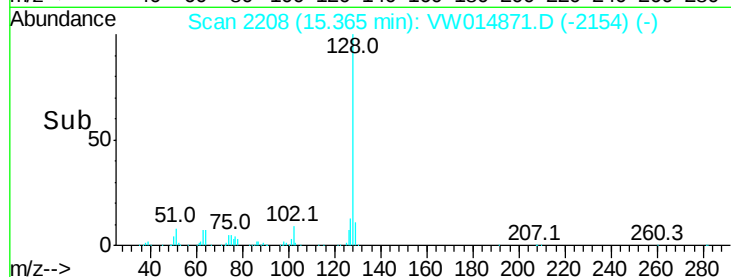
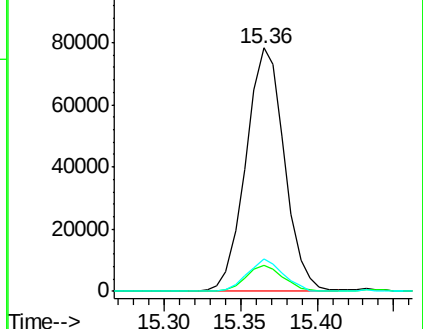
127 12.4 10.5 15.7



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: 4.864 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014871.D

Acq: 05 Feb 2020 13:48

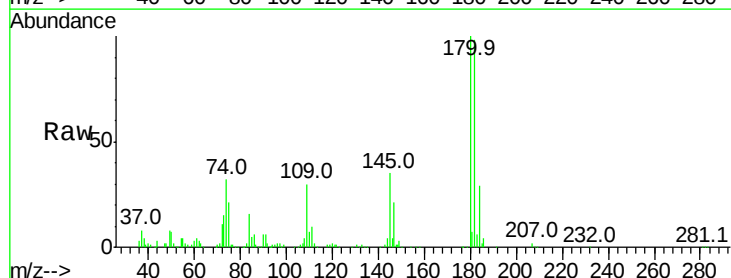
Tgt Ion:180 Resp: 71477

Ion Ratio Lower Upper

180 100

182 95.7 75.3 112.9

145 33.5 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

