

Data File : VW006876.D
Acq On : 14 Nov 2018 14:38
Operator : SY/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Nov 14 15:04:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 14 14:39:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	174673	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	169788	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	81592	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	77350	39.27	ug/L	0.00
7) Chloroethane-d5	2.89	69	57699	34.03	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	196146	51.85	ug/L	0.00
20) 2-Butanone-d5	7.09	46	71174	109.00	ug/L	0.00
24) Chloroform-d	7.65	84	188648	49.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	107802	51.50	ug/L	0.00
29) Benzene-d6	8.28	84	422576	54.82	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	130537	56.11	ug/L	0.00
37) Toluene-d8	10.33	98	426353	55.31	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	59020	52.20	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	61923	110.16	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113304	50.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	148374	53.06	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	107573	65.159	ug/L	99
3) Chloromethane	2.21	50	90274	55.680	ug/L	97
5) Vinyl chloride	2.36	62	90777	34.739	ug/L	97
6) Bromomethane	2.78	94	43991	21.620	ug/L	98
8) Chloroethane	2.92	64	50919	31.791	ug/L	92
9) Trichlorofluoromethane	3.26	101	160495	76.773	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	101735	48.675	ug/L	98
12) 1,1-Dichloroethene	4.04	96	94083	46.914	ug/L	97
13) Acetone	4.14	43	44638	67.668	ug/L	100
14) Carbon disulfide	4.39	76	354360	54.052	ug/L	100
15) Methyl Acetate	4.68	43	62190	58.204	ug/L	99
16) Methylene chloride	4.92	84	126372	56.037	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	284235	87.069	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	107340	48.345	ug/L	99
19) 1,1-Dichloroethane	6.23	63	186572	51.927	ug/L	99
21) 2-Butanone	7.18	43	79317	90.490	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	117093	48.348	ug/L	97
23) Bromochloromethane	7.52	128	51179	44.928	ug/L	95
25) Chloroform	7.68	83	189827	49.081	ug/L	100
27) 1,2-Dichloroethane	8.40	62	130862	49.639	ug/L	98
30) Cyclohexane	7.96	56	199097	53.352	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	171347	48.228	ug/L	98
32) Carbon tetrachloride	8.07	117	148983	42.758	ug/L	100
34) Benzene	8.33	78	460580	52.842	ug/L	100
35) Trichloroethene	9.09	95	121274	49.452	ug/L	99
36) Methylcyclohexane	9.34	83	221105	49.207	ug/L	99
40) 1,2-Dichloropropane	9.37	63	117283	54.242	ug/L	100
41) Bromodichloromethane	9.65	83	143572	49.173	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	187010	52.954	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	173059	99.885	ug/L	100

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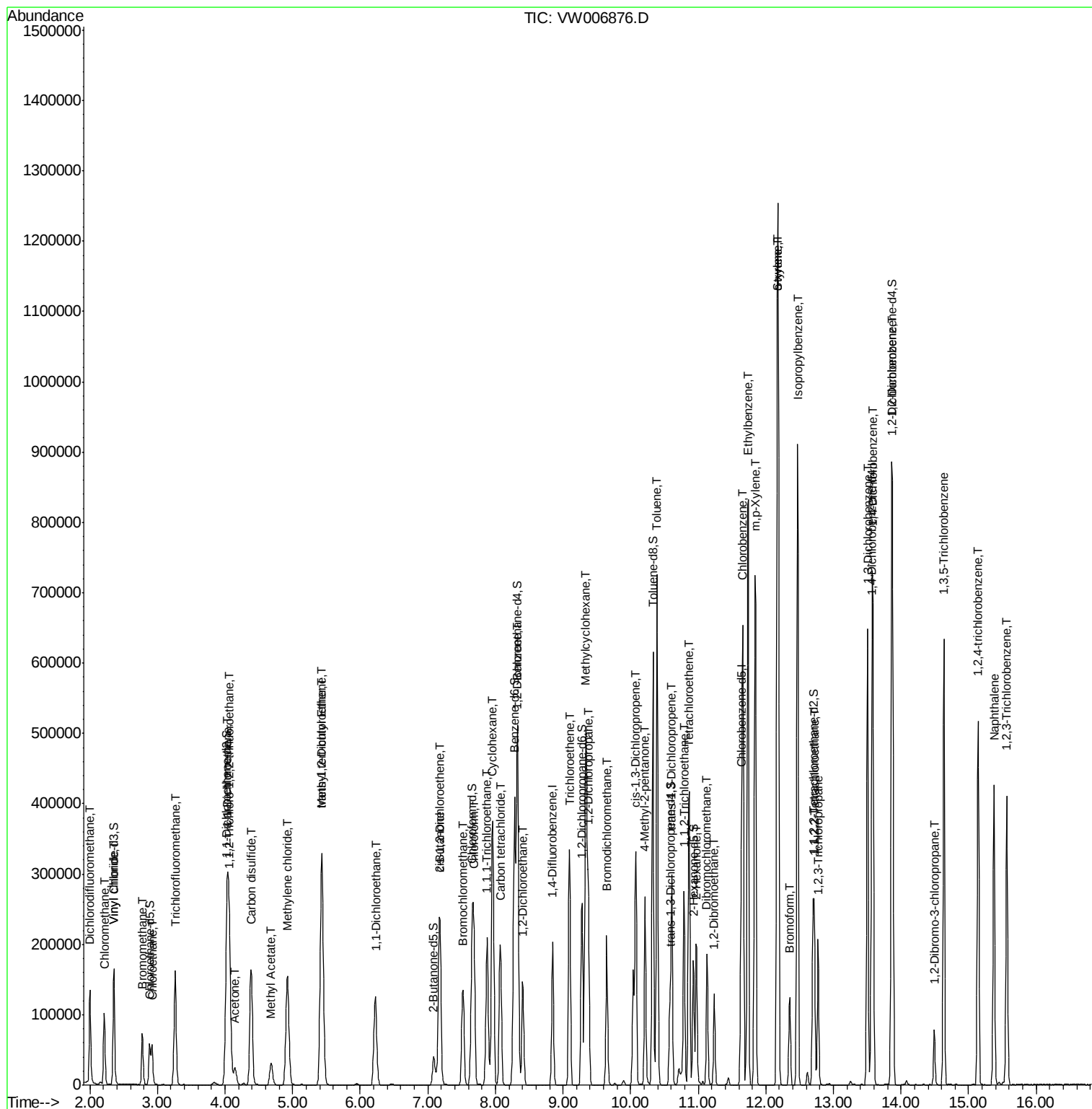
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	529698	54.123	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	161328	52.298	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	89892	49.925	ug/L	99
47) Tetrachloroethene	10.87	164	92478	40.738	ug/L	96
49) 2-Hexanone	10.97	43	129568	101.471	ug/L	99
50) Dibromochloromethane	11.13	129	104135	45.122	ug/L	99
51) 1,2-Dibromoethane	11.24	107	89127	47.554	ug/L	97
52) Chlorobenzene	11.66	112	343330	51.838	ug/L	99
53) Ethylbenzene	11.74	91	615917	54.057	ug/L	98
54) m,p-Xylene	11.84	106	240030	53.744	ug/L	96
55) o-xylene	12.17	106	225691	52.925	ug/L	98
56) Styrene	12.18	104	386232	52.595	ug/L	99
57) Isopropylbenzene	12.47	105	598753	50.462	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	115817	49.497	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	87977	50.394	ug/L	98
62) Bromoform	12.35	173	56434	41.279	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	269069	53.700	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	266959	52.908	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	244191	52.976	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22160	59.727	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	184173	45.600	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	156371	45.404	ug/L	100
69) Naphthalene	15.38	128	373091	53.506	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	139870	45.206	ug/L	100

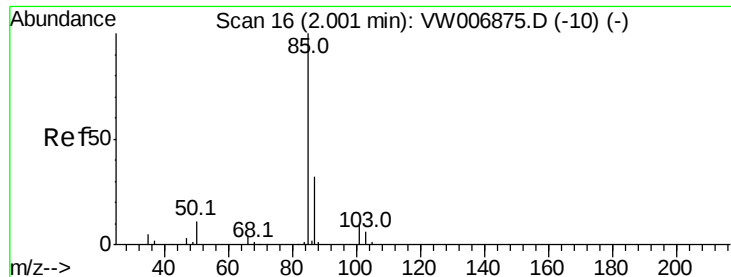
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 65.159 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

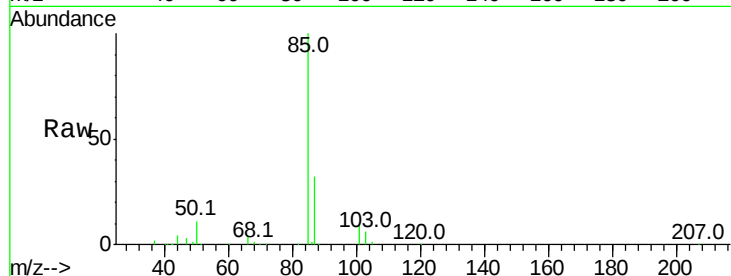
VSTD05084

Tgt Ion: 85 Resp: 107573

Ion Ratio Lower Upper

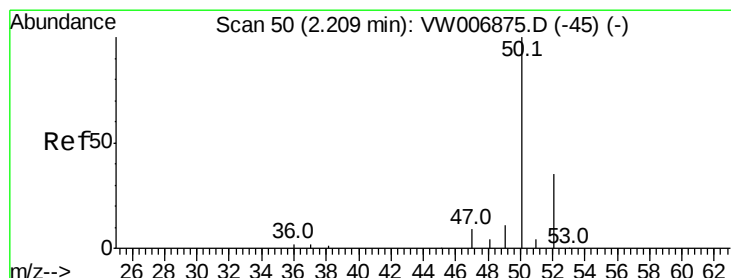
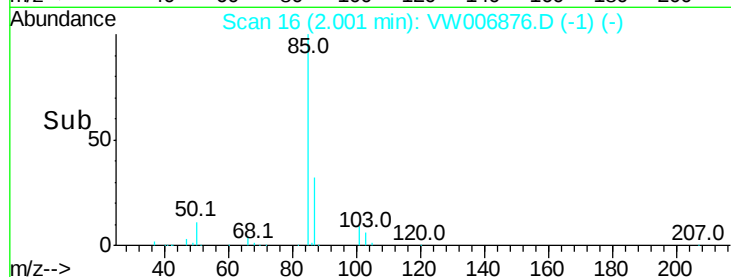
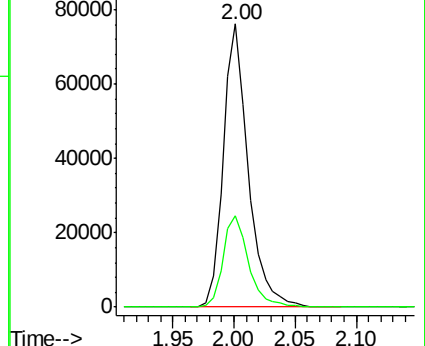
85 100

87 33.0 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 55.680 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW006876.D

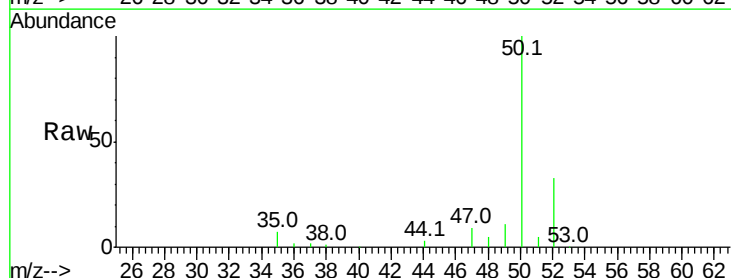
Acq: 14 Nov 2018 14:38

Tgt Ion: 50 Resp: 90274

Ion Ratio Lower Upper

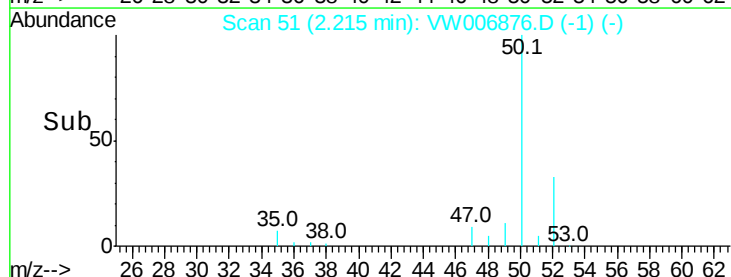
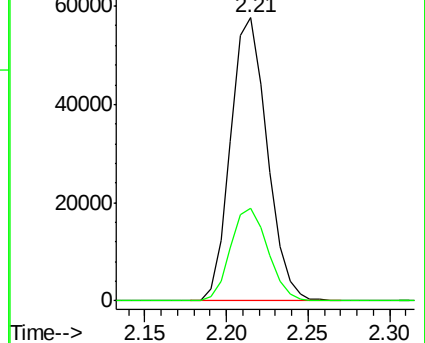
50 100

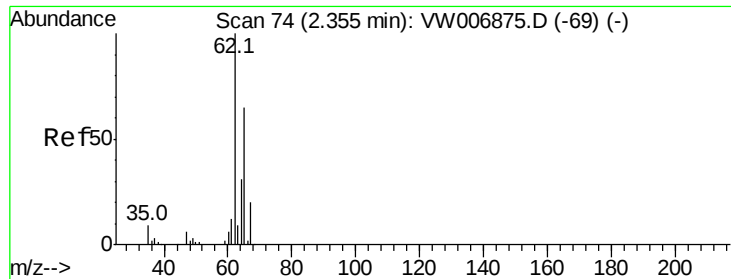
52 32.9 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 34.739 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

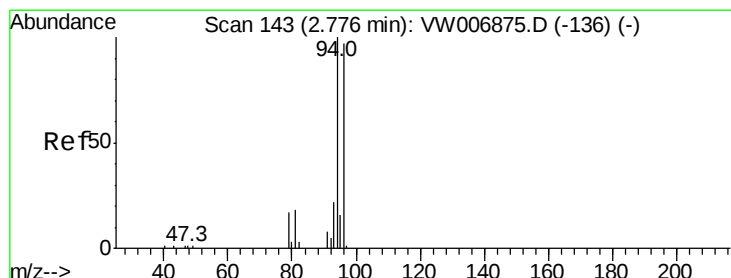
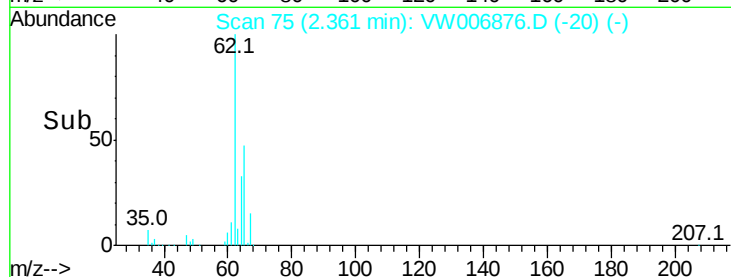
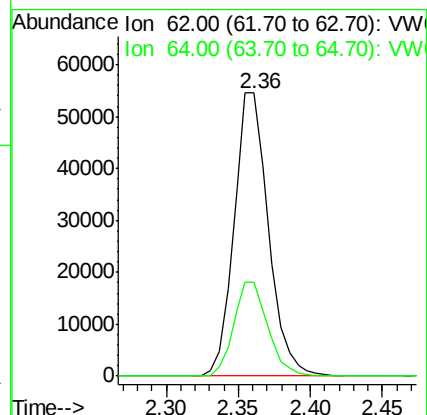
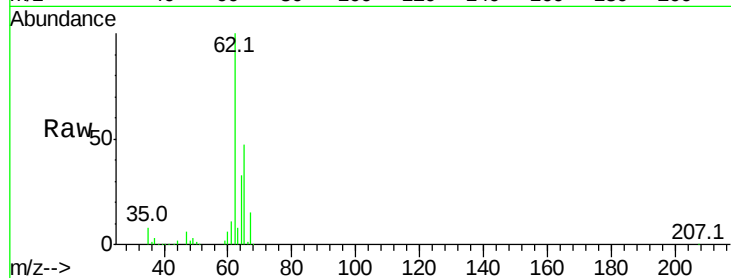
VSTD05084

Tgt Ion: 62 Resp: 90777

Ion Ratio Lower Upper

62 100

64 33.0 21.9 40.7



#6

Bromomethane

Concen: 21.620 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW006876.D

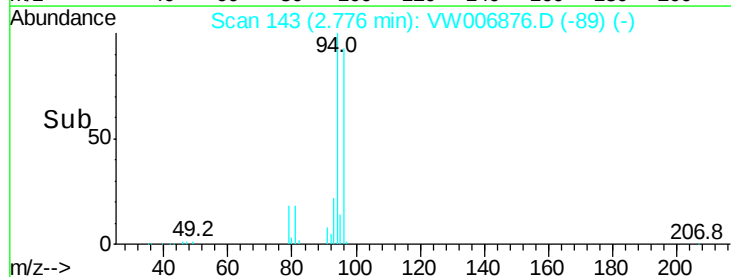
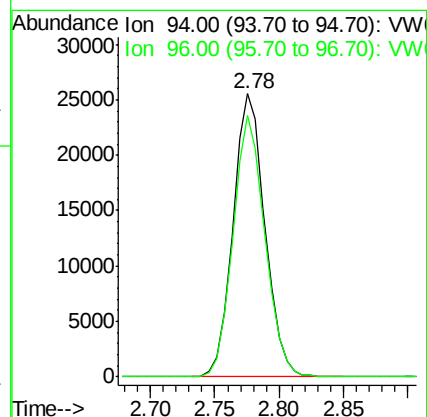
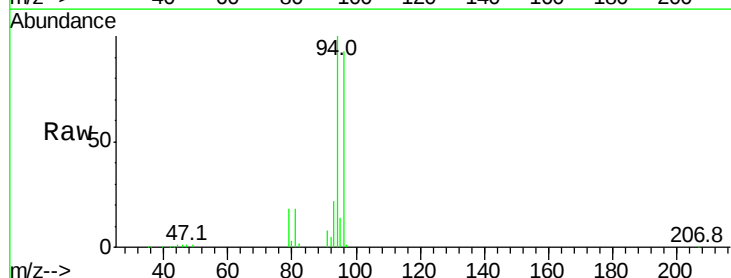
Acq: 14 Nov 2018 14:38

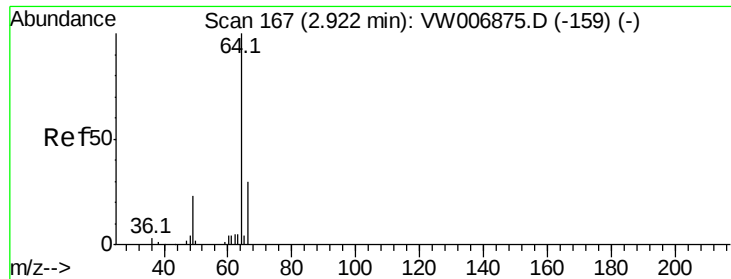
Tgt Ion: 94 Resp: 43991

Ion Ratio Lower Upper

94 100

96 92.5 9.4 179.5





#8

Chloroethane

Concen: 31.791 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

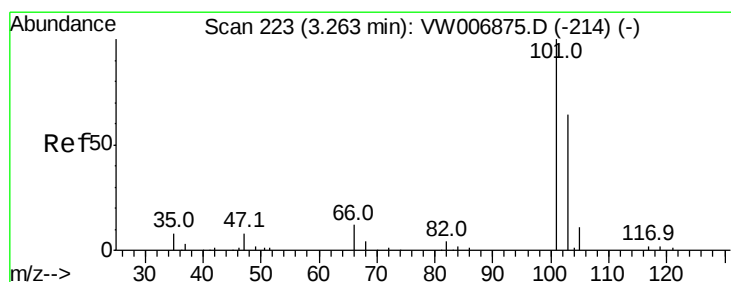
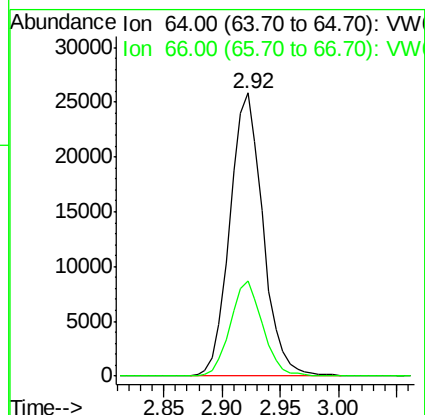
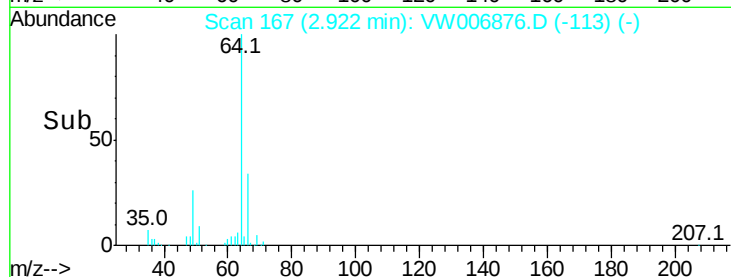
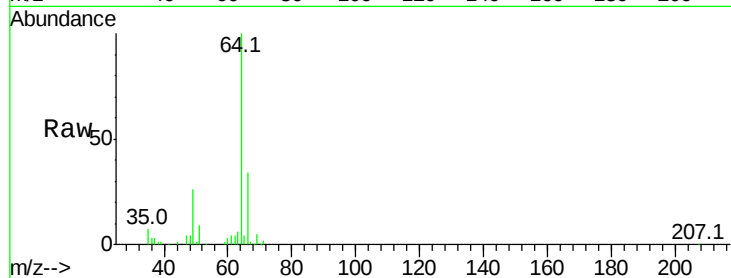
VSTD05084

Tgt Ion: 64 Resp: 50919

Ion Ratio Lower Upper

64 100

66 33.8 20.8 38.6



#9

Trichlorofluoromethane

Concen: 76.773 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW006876.D

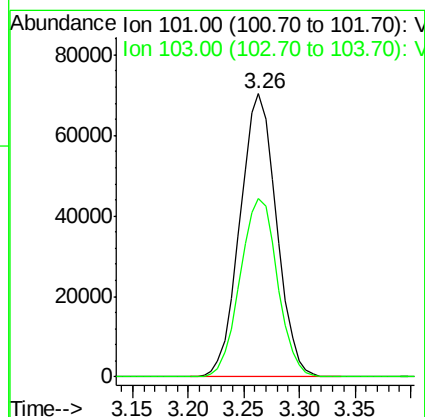
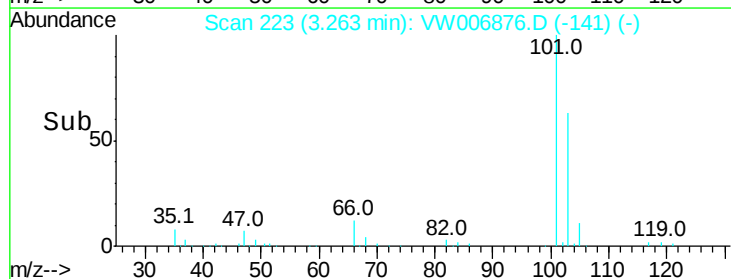
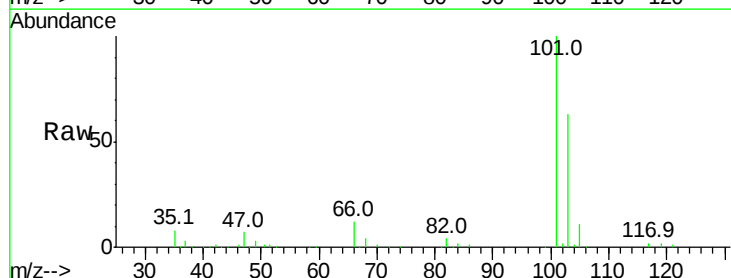
Acq: 14 Nov 2018 14:38

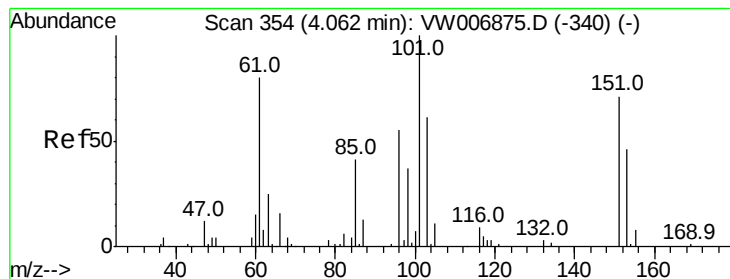
Tgt Ion: 101 Resp: 160495

Ion Ratio Lower Upper

101 100

103 64.4 46.1 85.5





#11

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

Concen: 48.675 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

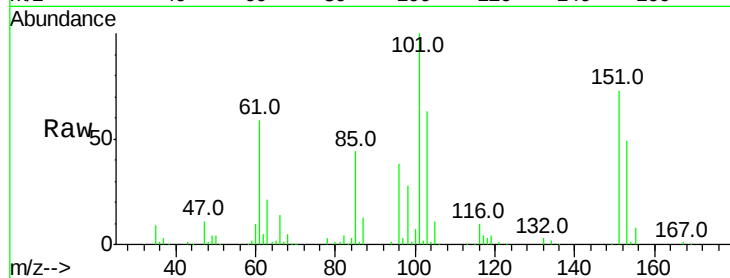
Tgt Ion:101 Resp: 101735

Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.8

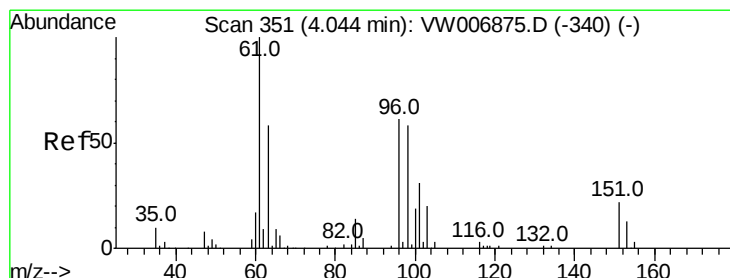
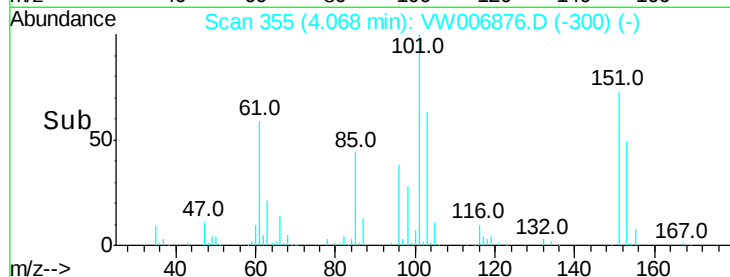
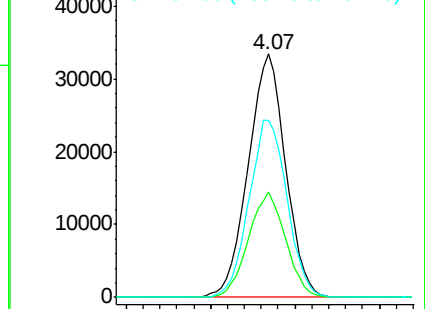
151 74.0 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.914 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

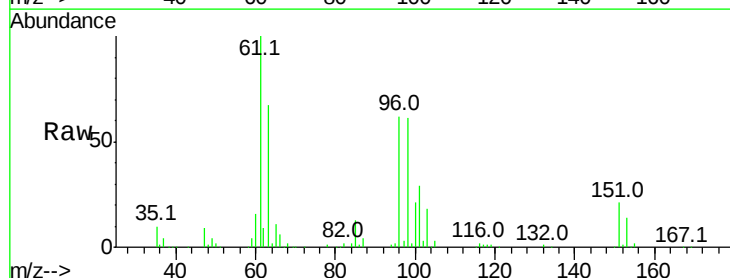
Tgt Ion: 96 Resp: 94083

Ion Ratio Lower Upper

96 100

61 161.4 116.3 215.9

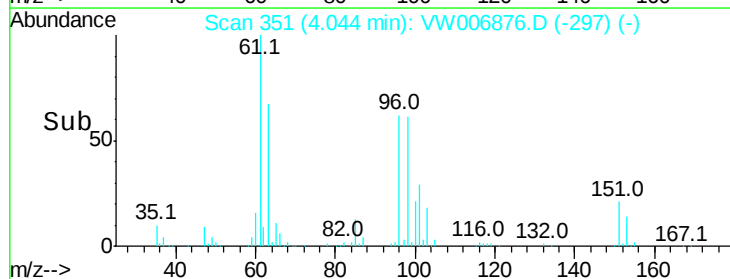
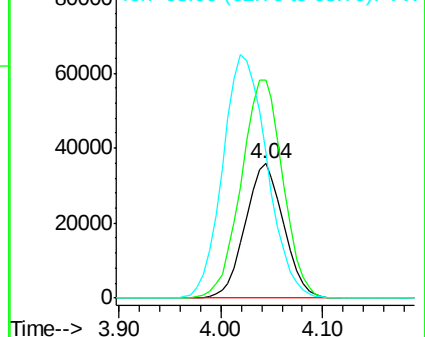
63 108.0 73.4 136.4

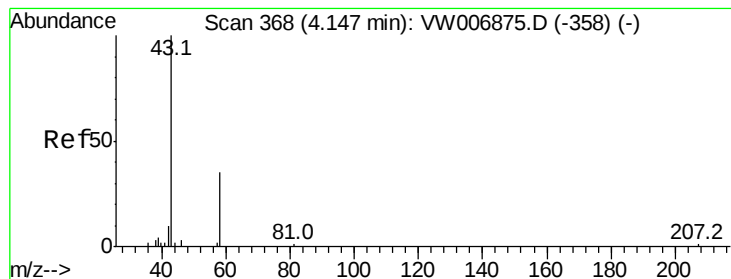


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 67.668 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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Acq: 14 Nov 2018 14:38

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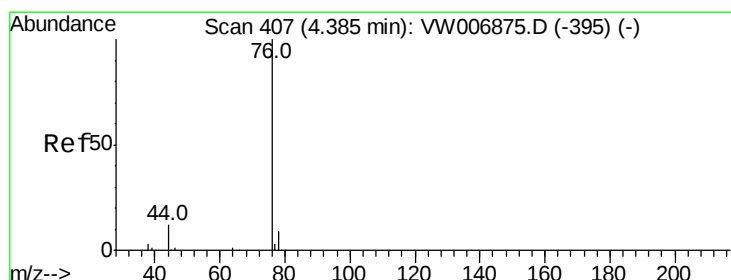
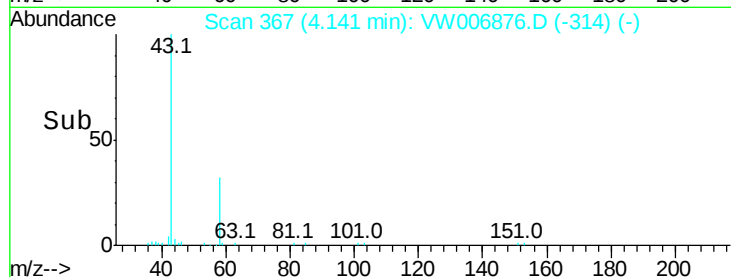
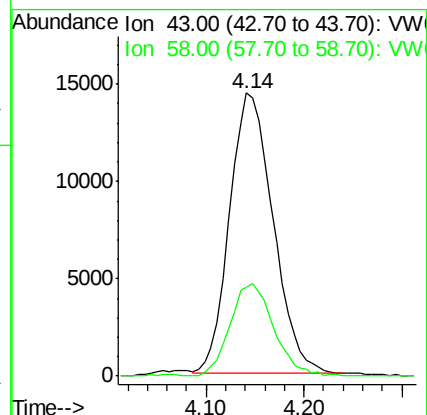
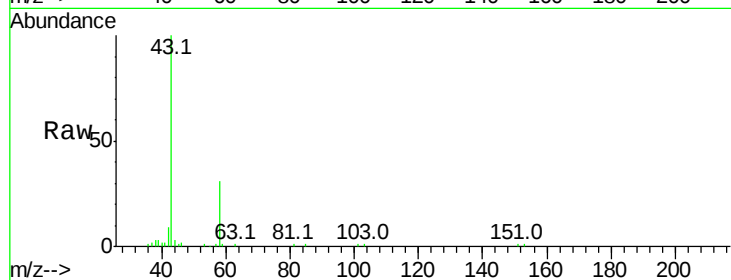
VSTD05084

Tgt Ion: 43 Resp: 44638

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.6



#14

Carbon disulfide

Concen: 54.052 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006876.D

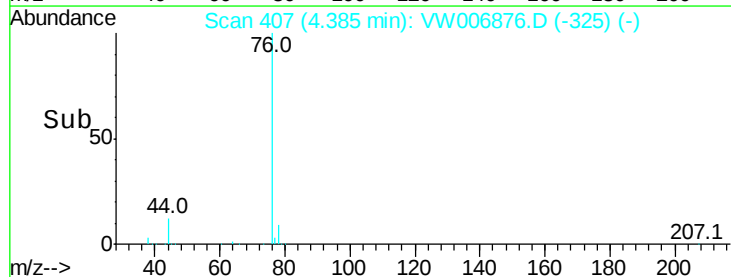
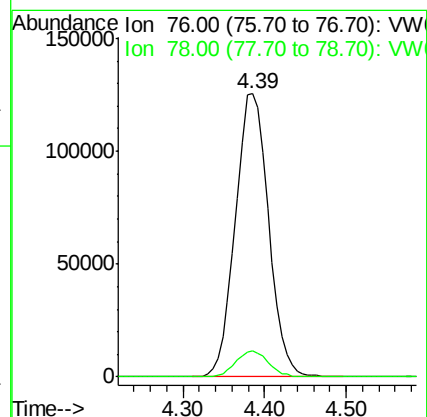
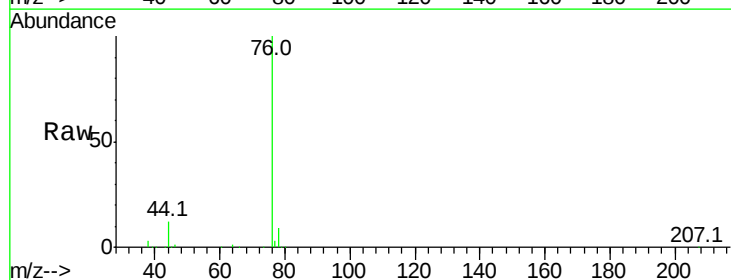
Acq: 14 Nov 2018 14:38

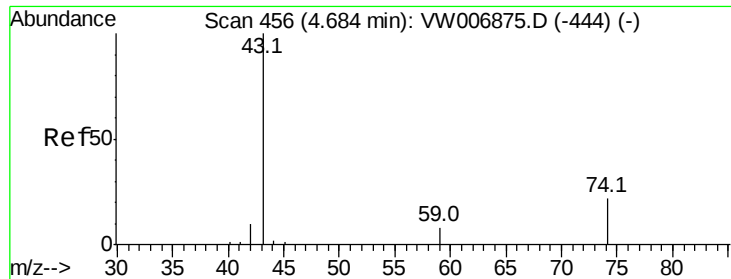
Tgt Ion: 76 Resp: 354360

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

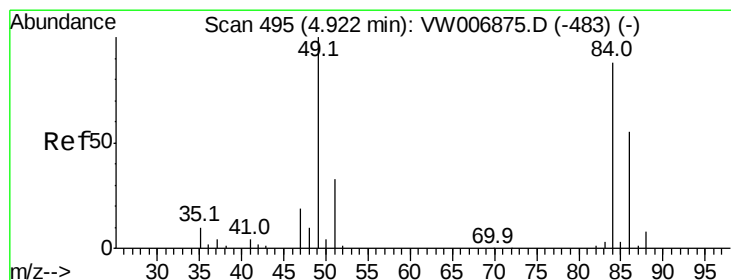
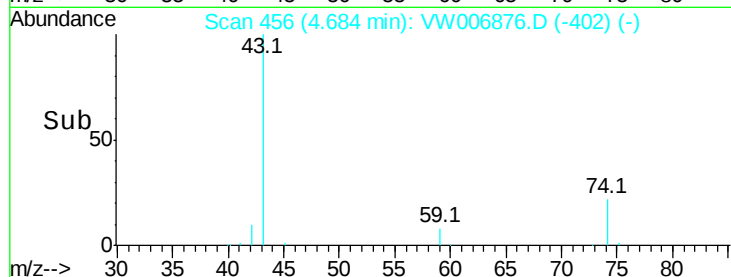
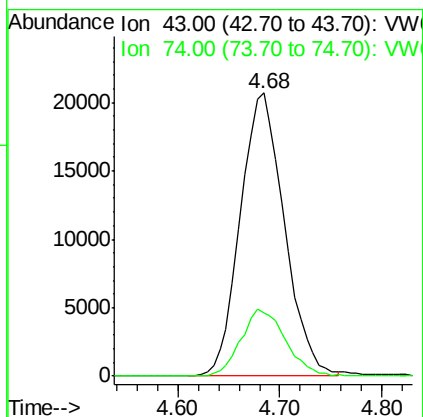
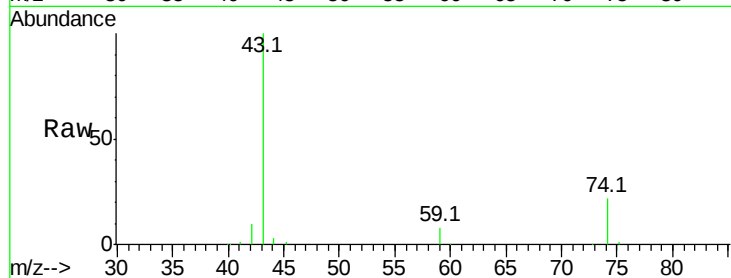




#15
Methyl Acetate
Concen: 58.204 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

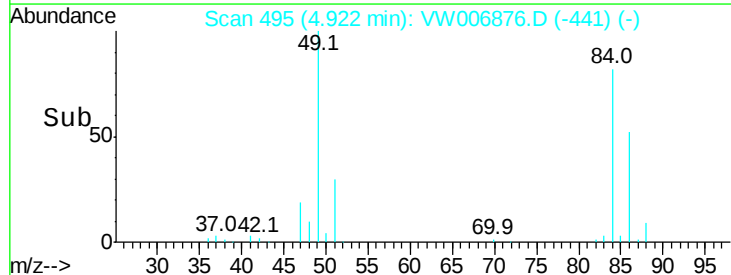
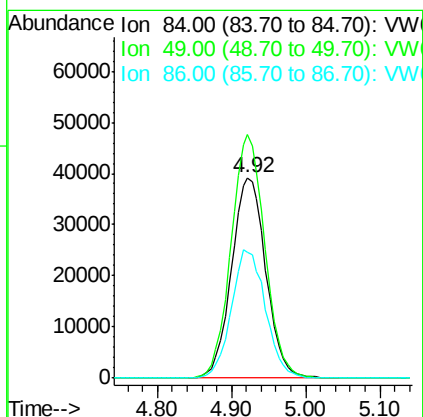
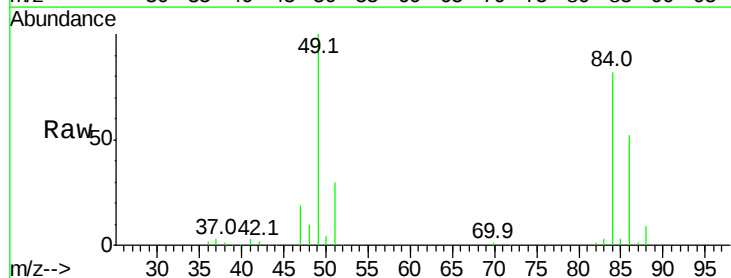
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

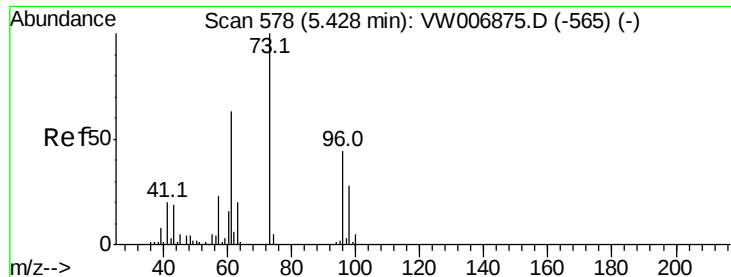
Tgt Ion: 43 Resp: 62190
Ion Ratio Lower Upper
43 100
74 23.8 18.8 28.2



#16
Methylene chloride
Concen: 56.037 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Tgt Ion: 84 Resp: 126372
Ion Ratio Lower Upper
84 100
49 121.5 79.3 147.3
86 62.9 43.5 80.9

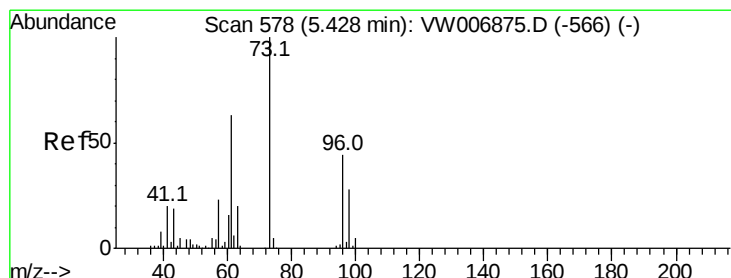
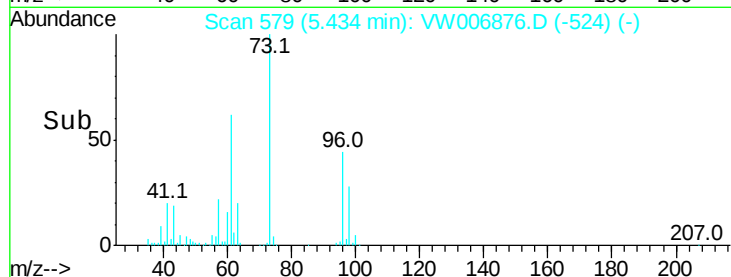
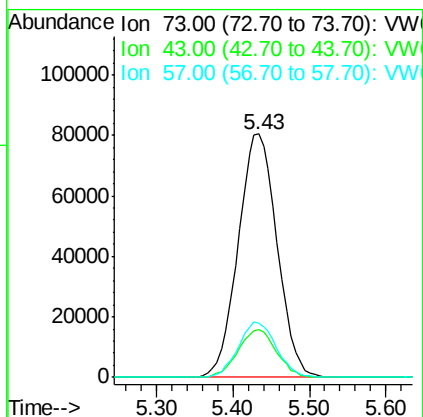
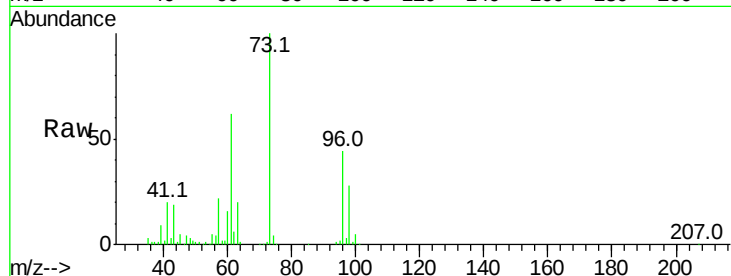




#17
Methyl tert-butyl Ether
Concen: 87.069 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

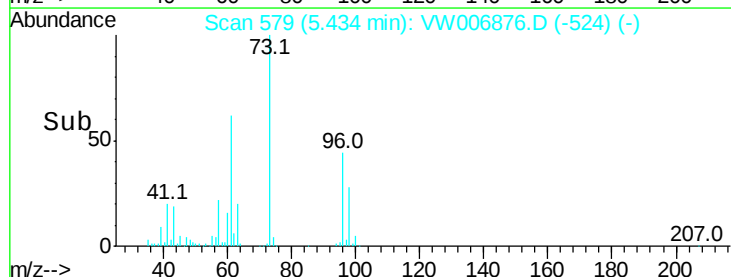
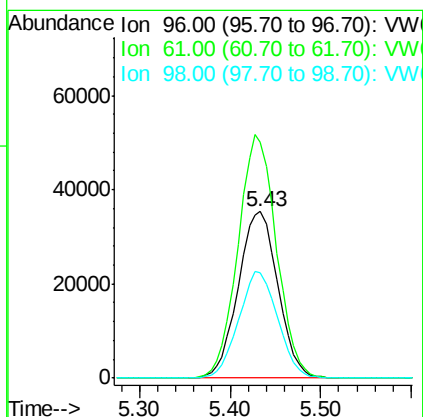
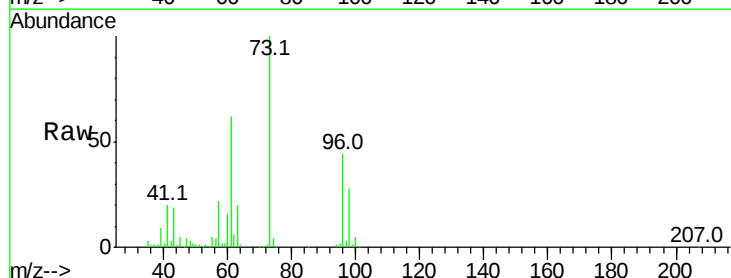
Instrument :
MSVOA_W
ClientSampled :
VSTD05084

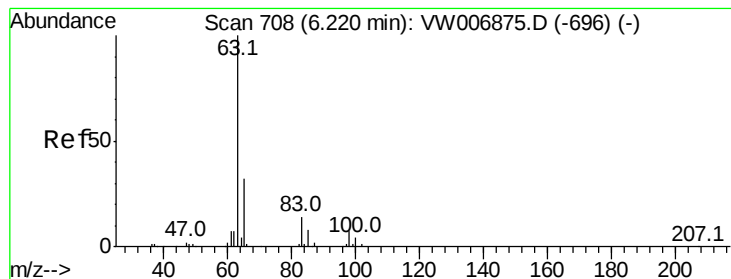
Tgt Ion: 73 Resp: 284235
Ion Ratio Lower Upper
73 100
43 19.3 15.6 23.4
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 48.345 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Tgt Ion: 96 Resp: 107340
Ion Ratio Lower Upper
96 100
61 141.3 99.6 185.0
98 62.9 44.7 82.9





#19

1,1-Dichloroethane

Concen: 51.927 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

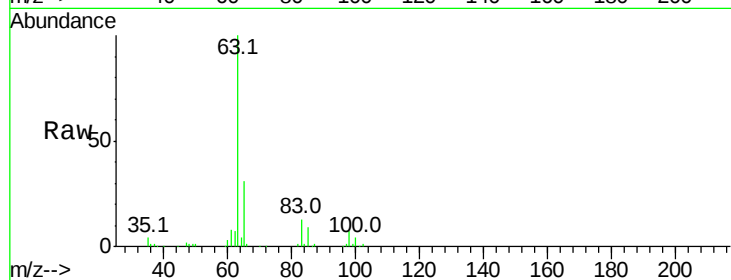
Tgt Ion: 63 Resp: 186572

Ion Ratio Lower Upper

63 100

65 31.0 22.0 41.0

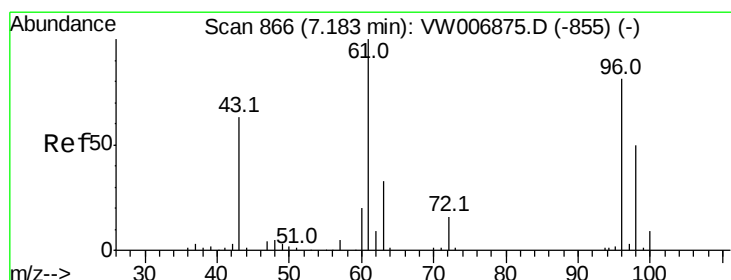
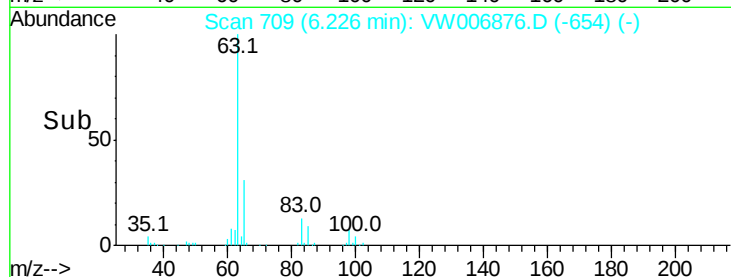
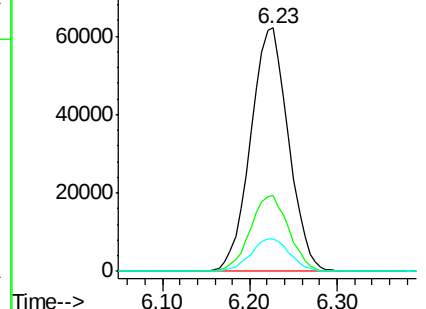
83 13.2 9.5 17.7



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: 90.490 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006876.D

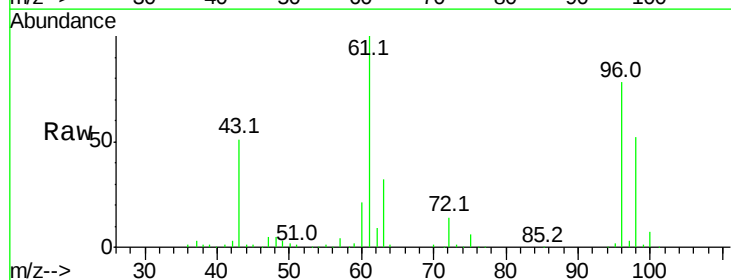
Acq: 14 Nov 2018 14:38

Tgt Ion: 43 Resp: 79317

Ion Ratio Lower Upper

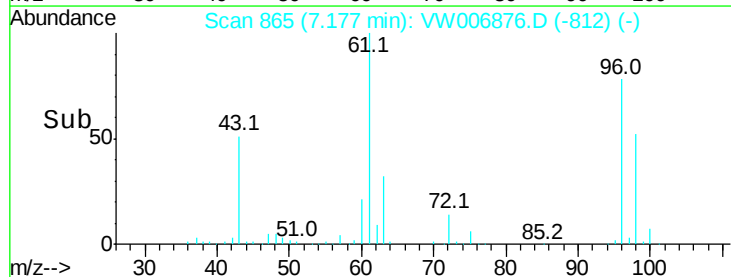
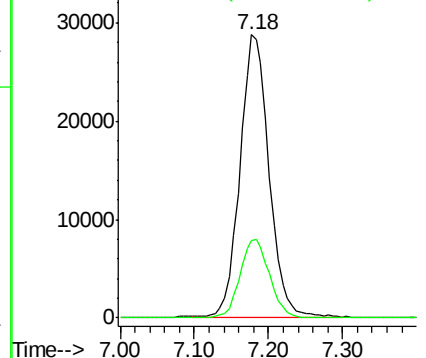
43 100

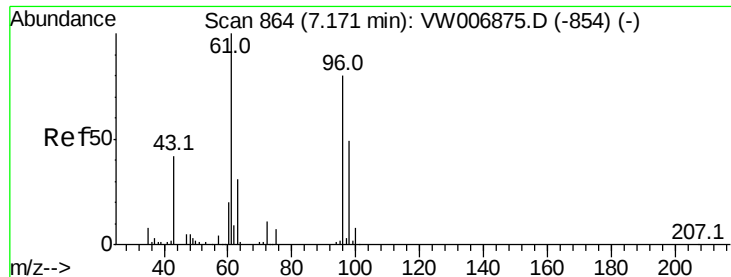
72 27.7 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



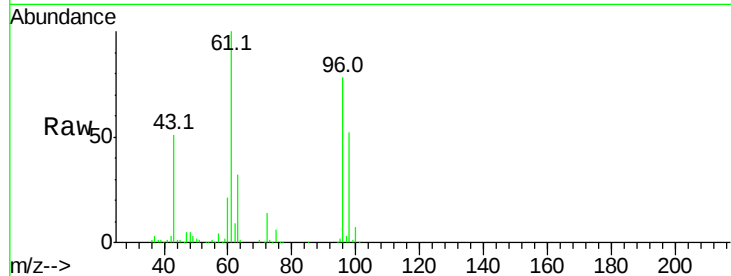


#22

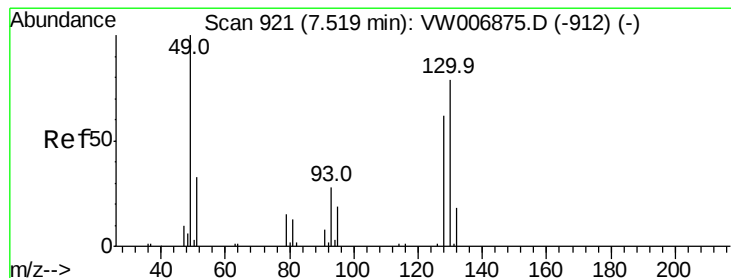
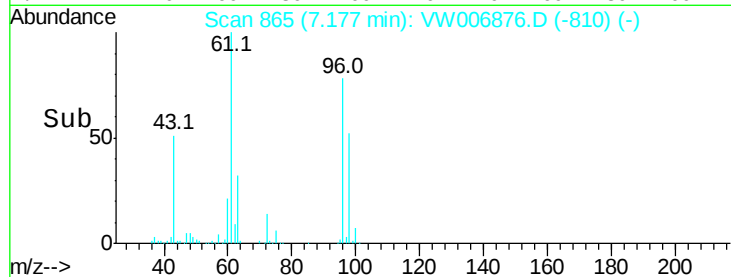
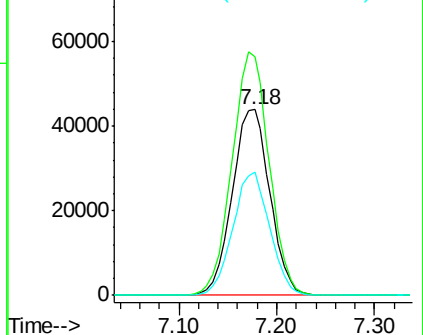
cis-1,2-Dichloroethene
Concen: 48.348 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Tgt Ion: 96 Resp: 117093
Ion Ratio Lower Upper
96 100
61 128.1 88.1 163.7
98 66.1 43.1 80.1



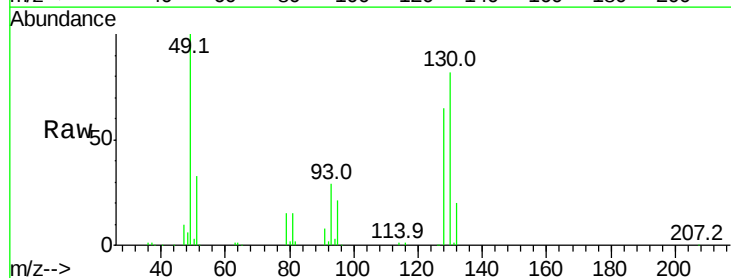
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



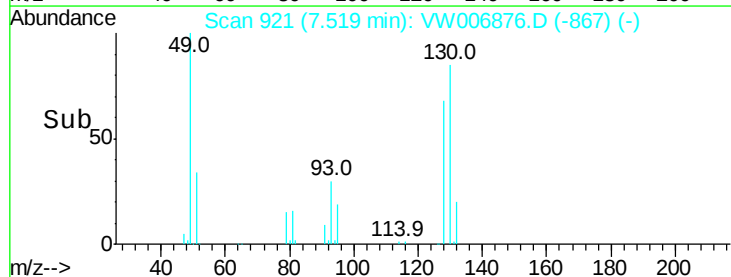
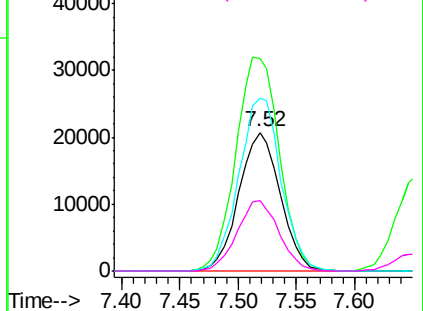
#23

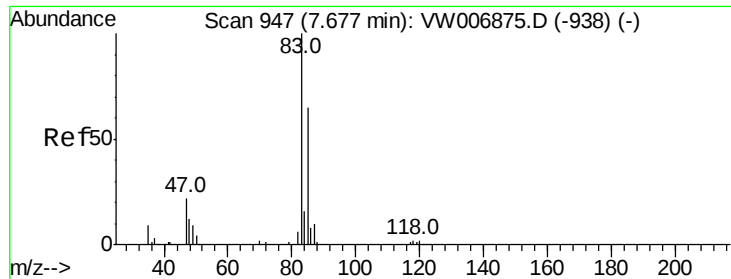
Bromochloromethane
Concen: 44.928 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Tgt Ion:128 Resp: 51179
Ion Ratio Lower Upper
128 100
49 153.4 114.0 211.8
130 125.0 89.7 166.7
51 51.1 42.3 63.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 49.081 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

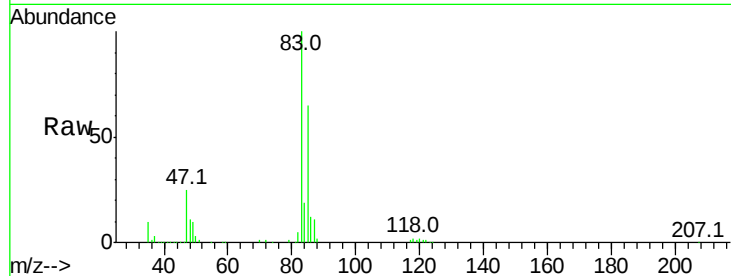
VSTD05084

Tgt Ion: 83 Resp: 189827

Ion Ratio Lower Upper

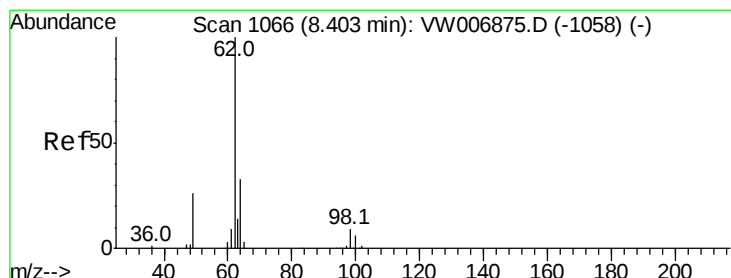
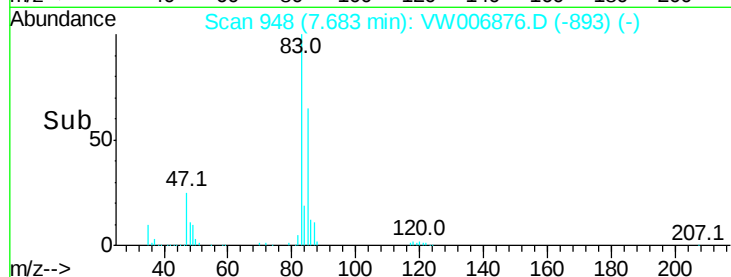
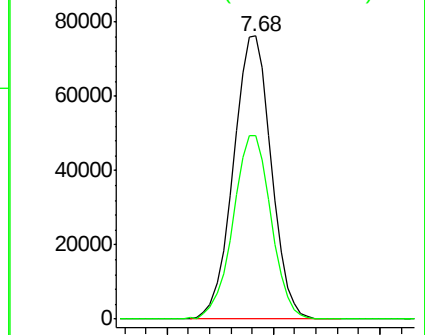
83 100

85 65.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 49.639 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006876.D

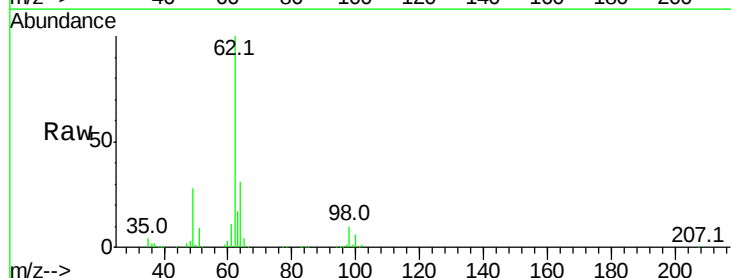
Acq: 14 Nov 2018 14:38

Tgt Ion: 62 Resp: 130862

Ion Ratio Lower Upper

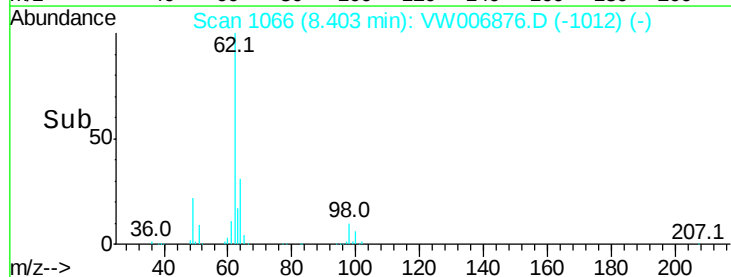
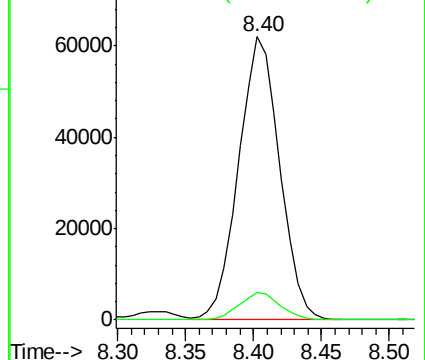
62 100

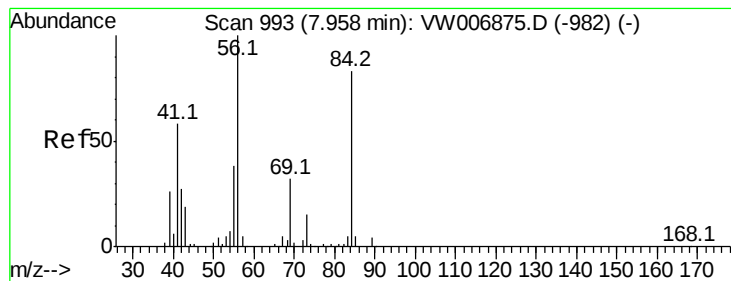
98 9.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 53.352 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

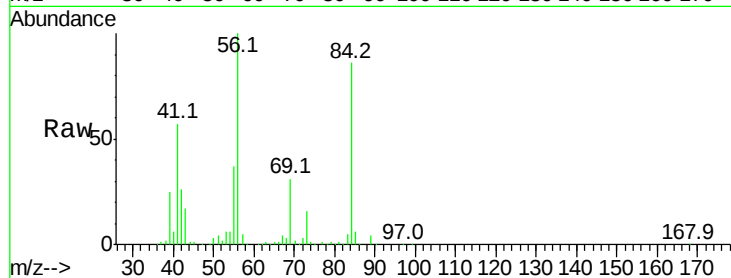
Tgt Ion: 56 Resp: 199097

Ion Ratio Lower Upper

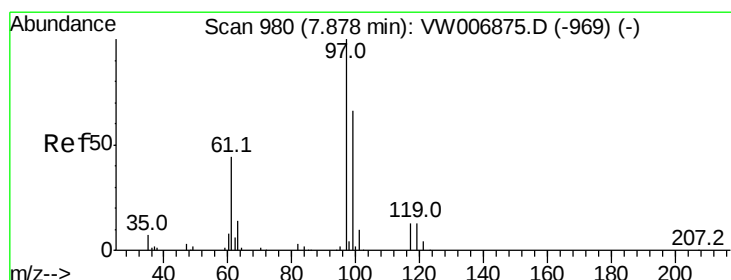
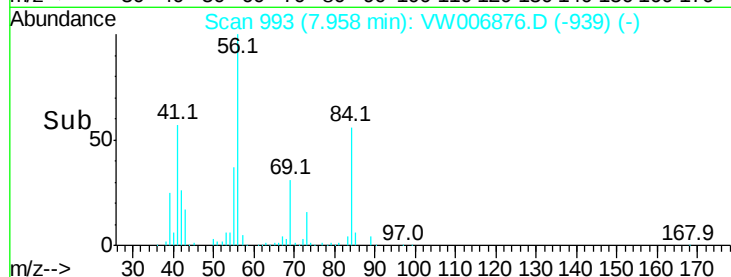
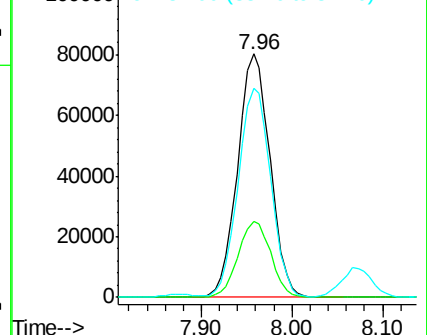
56 100

69 31.4 25.1 37.7

84 86.8 68.7 103.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 48.228 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

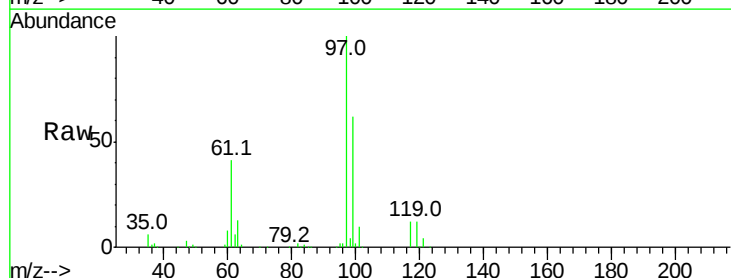
Tgt Ion: 97 Resp: 171347

Ion Ratio Lower Upper

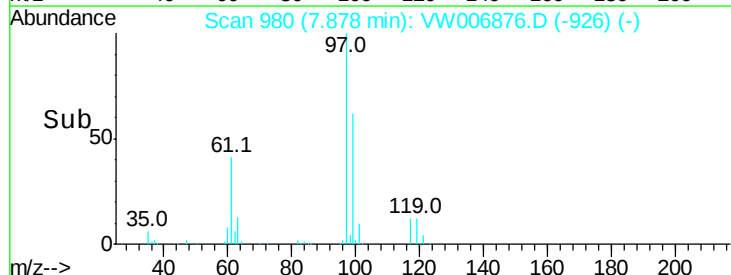
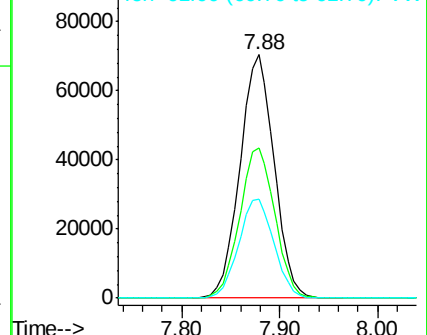
97 100

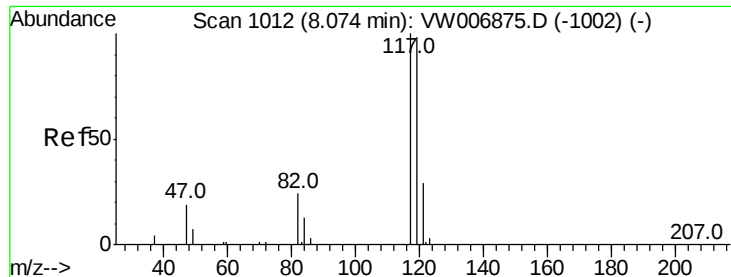
99 63.3 52.2 78.2

61 41.9 34.5 51.7



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 42.758 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

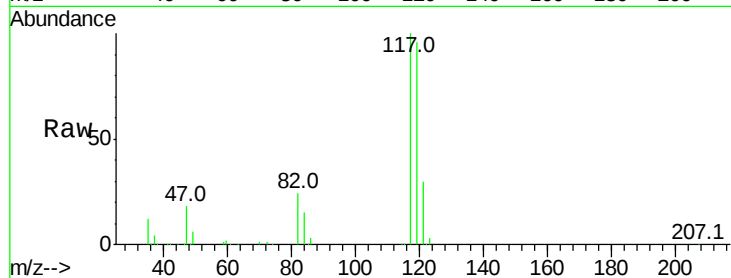
VSTD05084

Tgt Ion:117 Resp: 148983

Ion Ratio Lower Upper

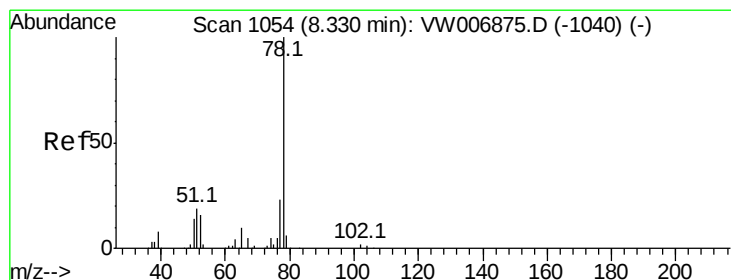
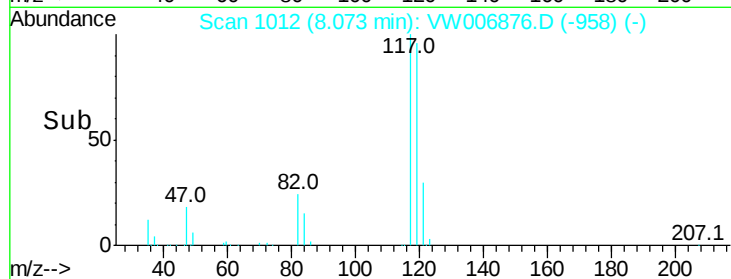
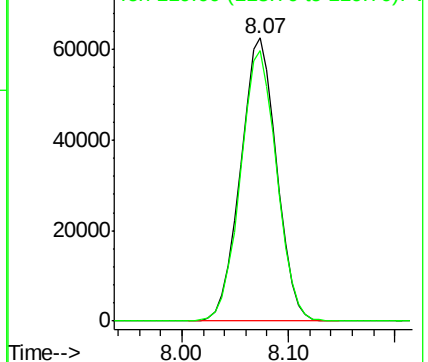
117 100

119 95.8 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 52.842 ug/L

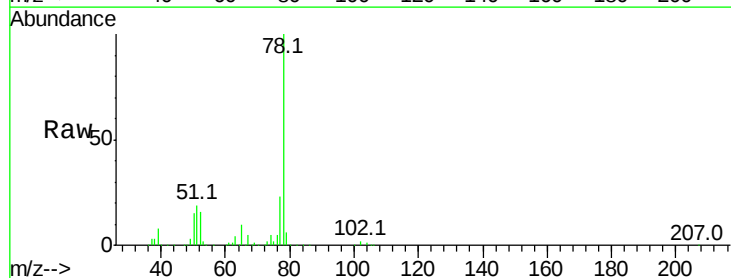
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

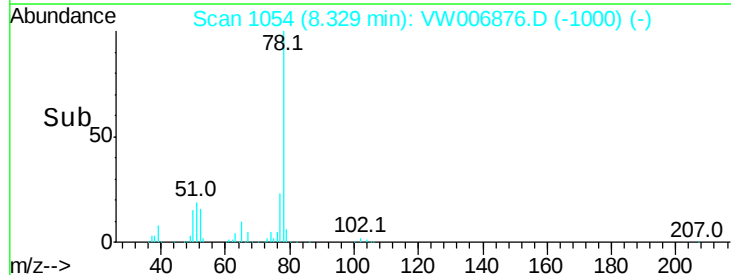
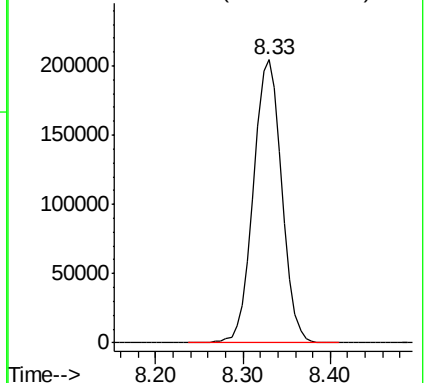
Lab File: VW006876.D

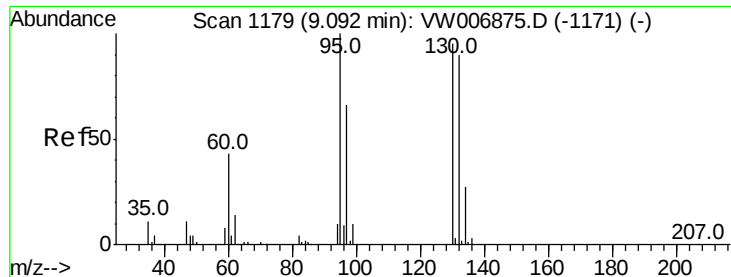
Acq: 14 Nov 2018 14:38

Tgt Ion: 78 Resp: 460580



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 49.452 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion: 95 Resp: 121274

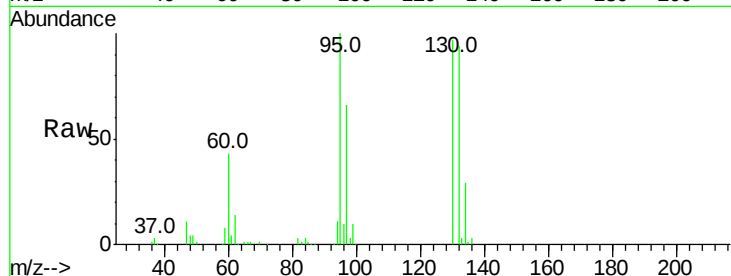
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 95.0 65.7 121.9

130 99.0 68.7 127.7

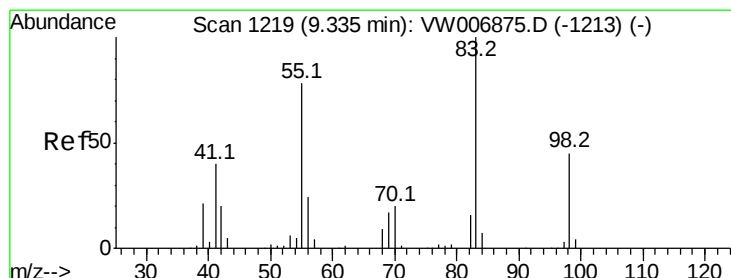
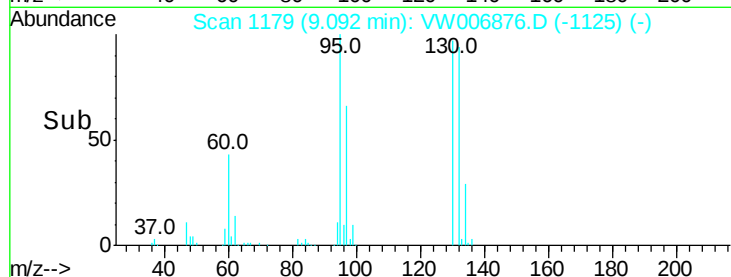
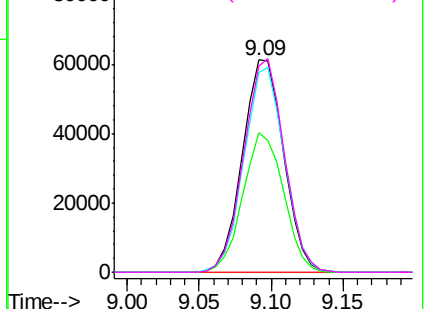


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 49.207 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

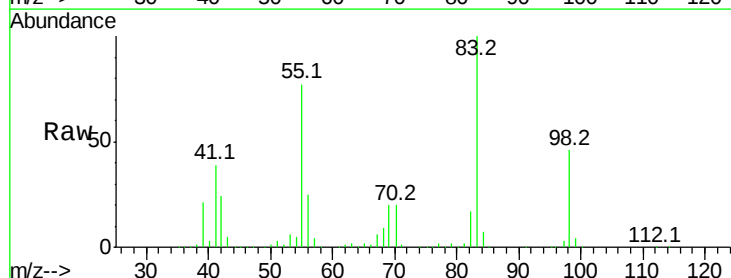
Tgt Ion: 83 Resp: 221105

Ion Ratio Lower Upper

83 100

55 75.9 60.2 90.2

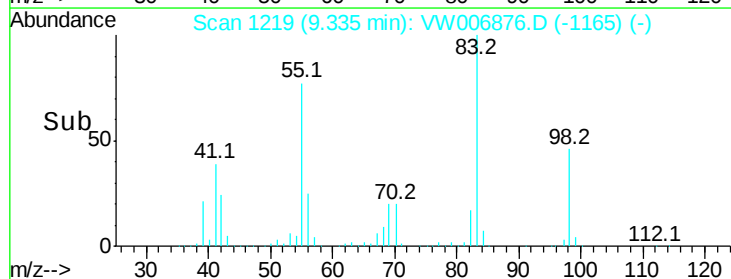
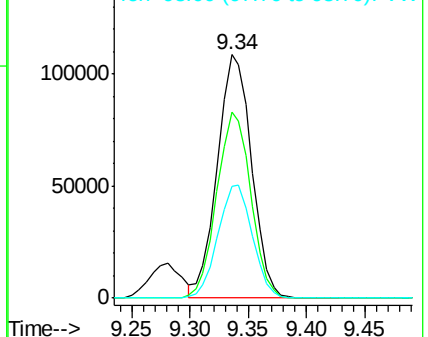
98 46.7 36.5 54.7

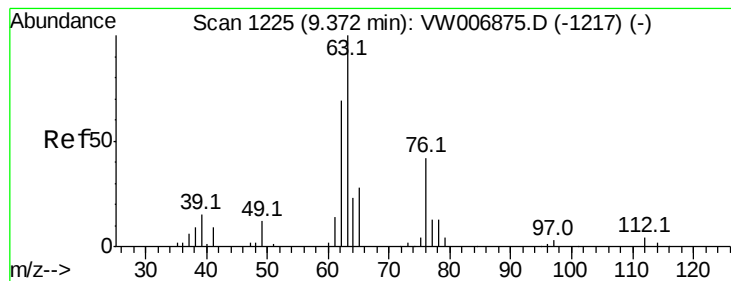


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 54.242 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

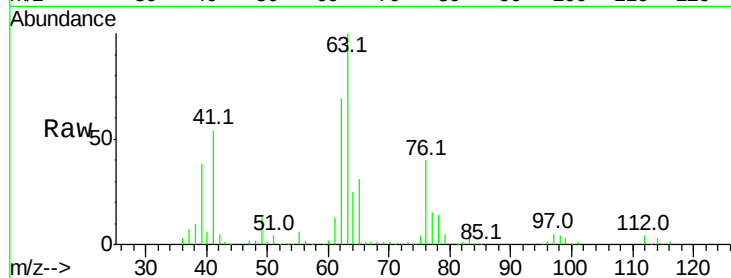
VSTD05084

Tgt Ion: 63 Resp: 117283

Ion Ratio Lower Upper

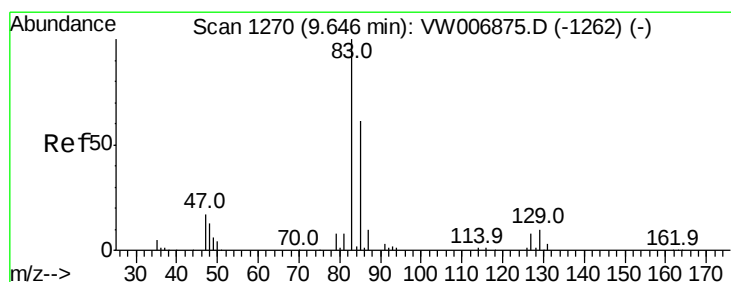
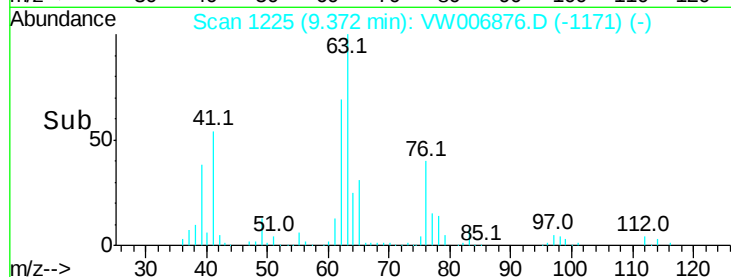
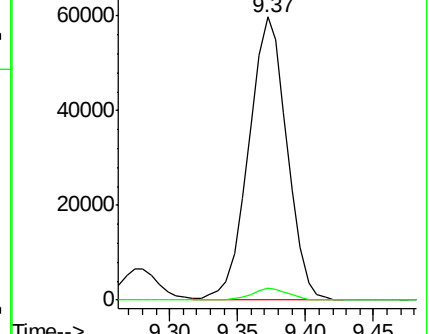
63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 49.173 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

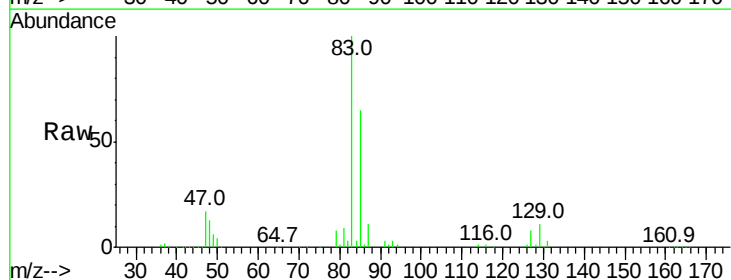
Tgt Ion: 83 Resp: 143572

Ion Ratio Lower Upper

83 100

85 64.6 42.4 78.6

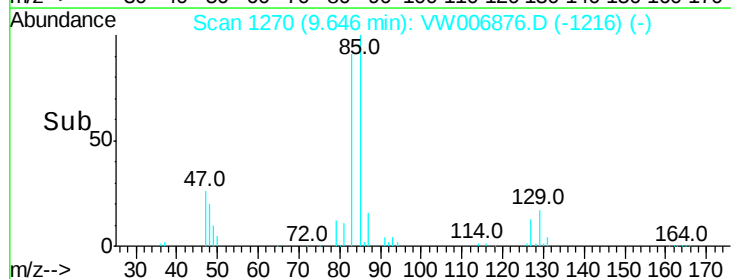
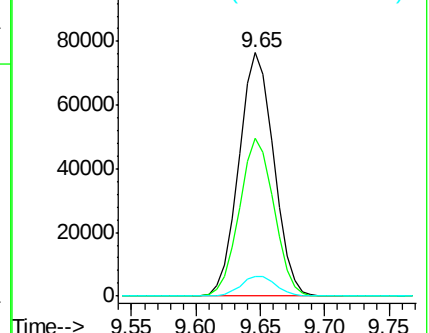
127 8.3 6.5 9.7

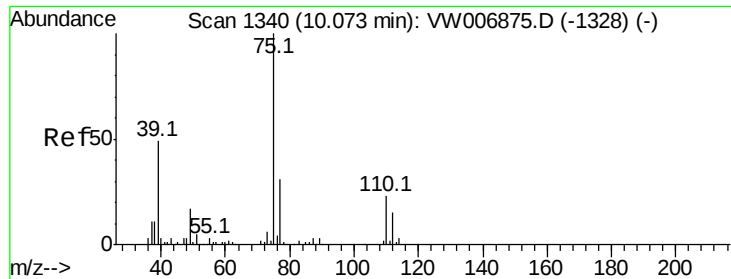


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 52.954 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

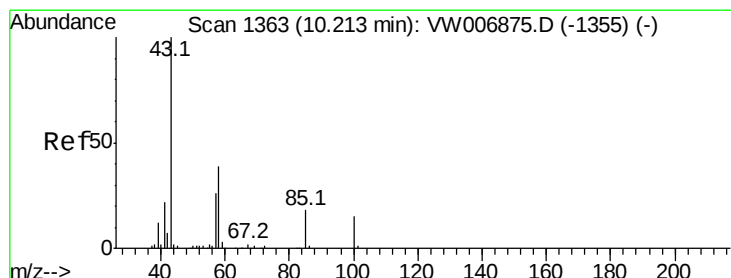
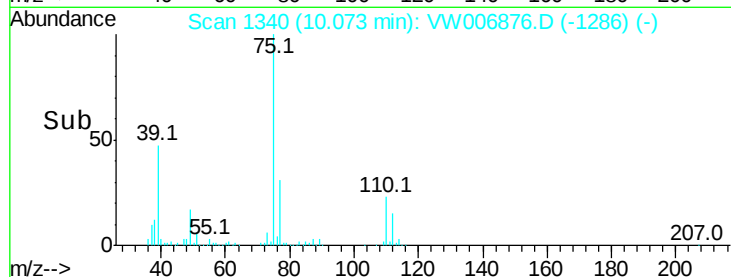
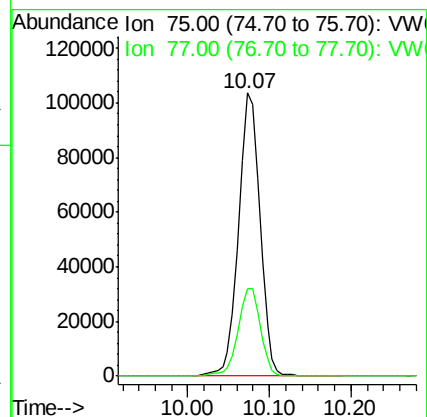
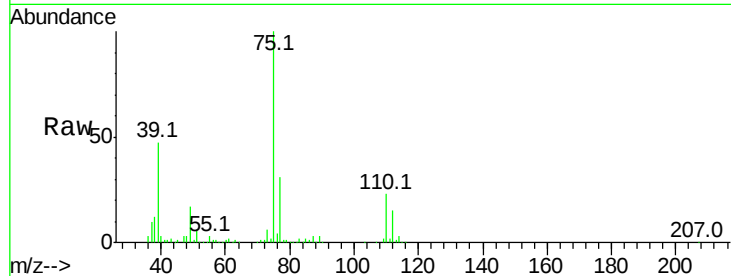
VSTD05084

Tgt Ion: 75 Resp: 187010

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 99.885 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

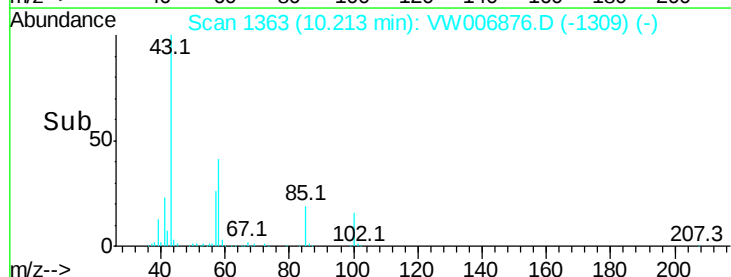
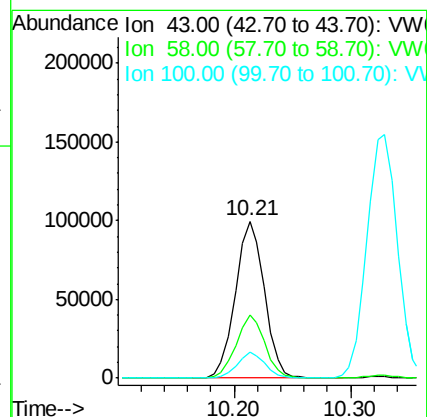
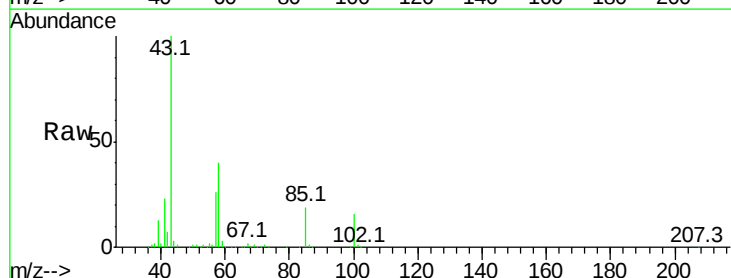
Tgt Ion: 43 Resp: 173059

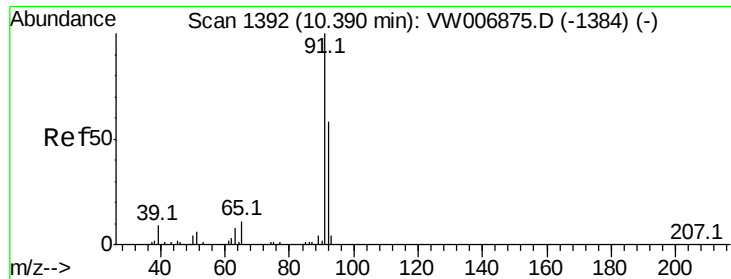
Ion Ratio Lower Upper

43 100

58 39.5 31.6 47.4

100 15.7 12.3 18.5





#44

Toluene

Concen: 54.123 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

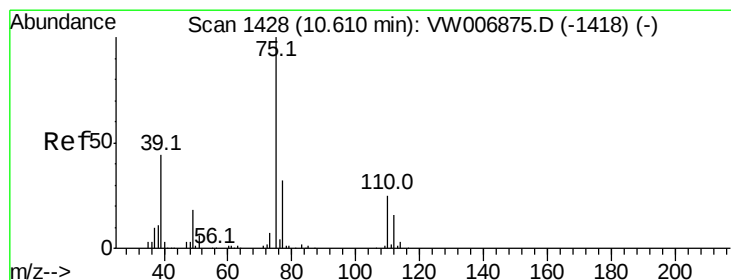
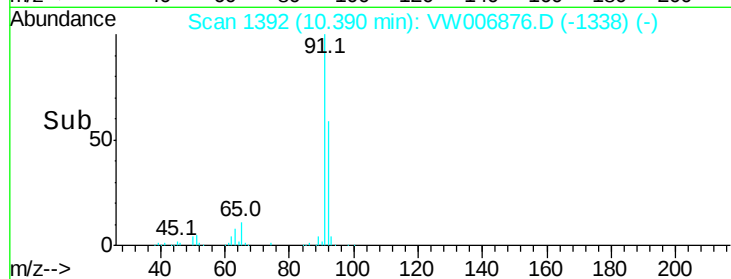
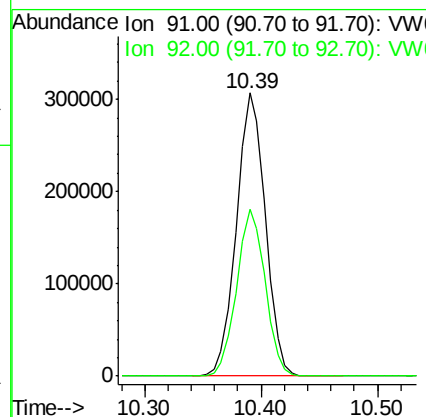
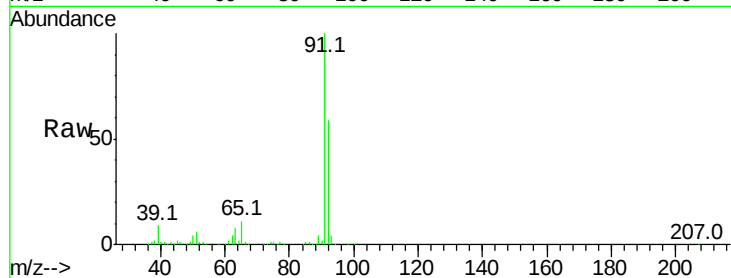
VSTD05084

Tgt Ion: 91 Resp: 529698

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 52.298 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006876.D

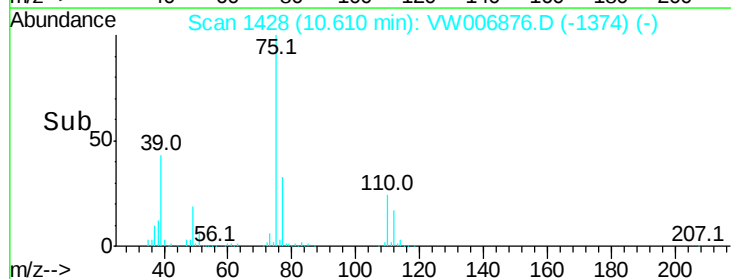
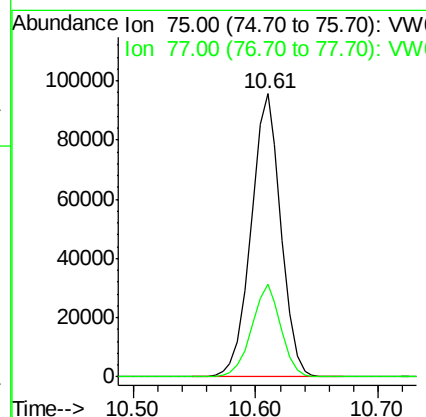
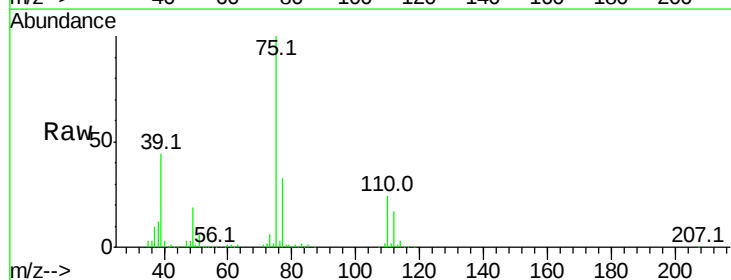
Acq: 14 Nov 2018 14:38

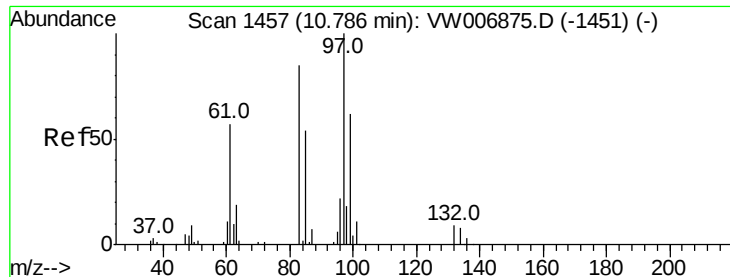
Tgt Ion: 75 Resp: 161328

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 49.925 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion: 97 Resp: 89892

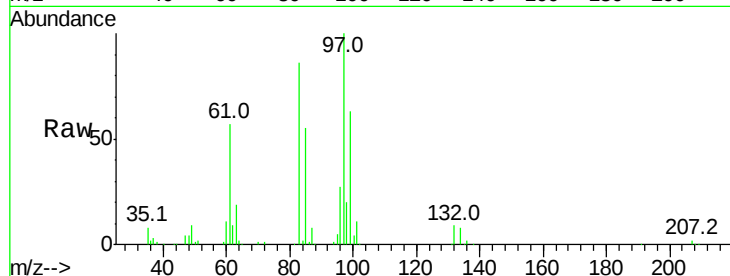
Ion Ratio Lower Upper

97 100

83 86.4 59.6 110.8

85 54.6 37.7 70.1

99 63.0 43.4 80.6



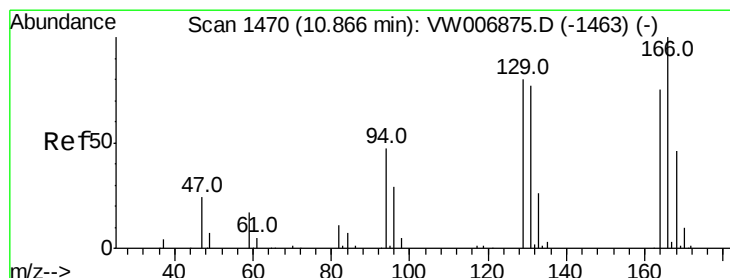
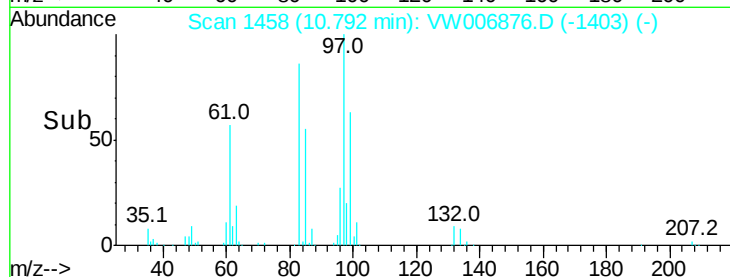
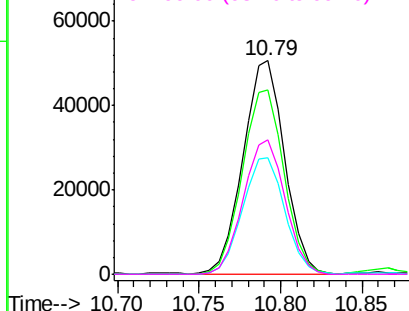
Abundance

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: 40.738 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Tgt Ion: 164 Resp: 92478

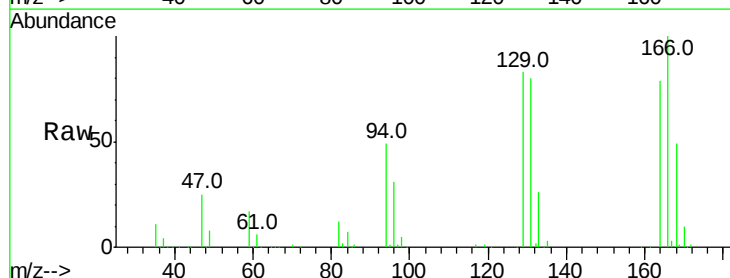
Ion Ratio Lower Upper

164 100

129 105.0 75.0 139.2

131 100.4 72.5 134.7

166 126.0 93.7 174.1



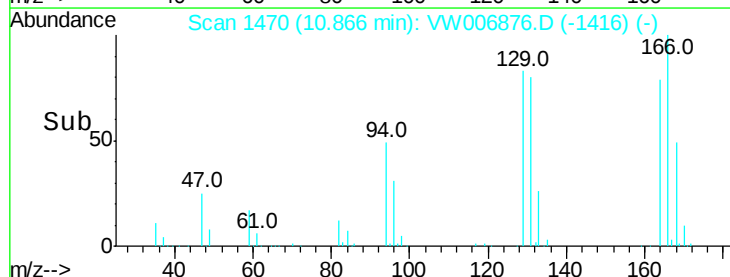
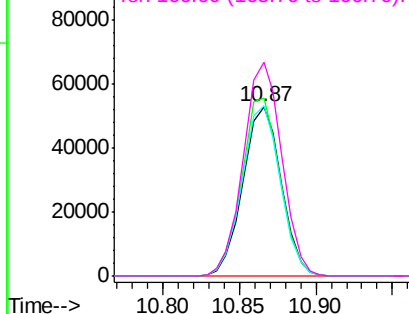
Abundance

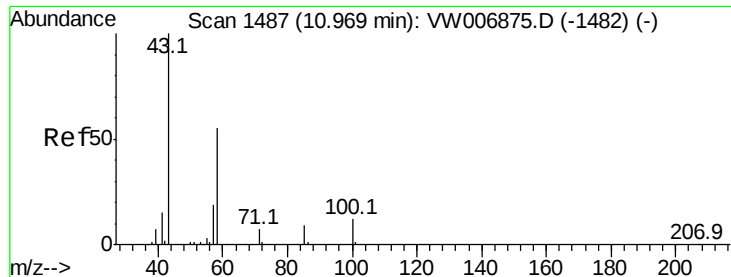
Ion 164.00 (163.70 to 164.70): V

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



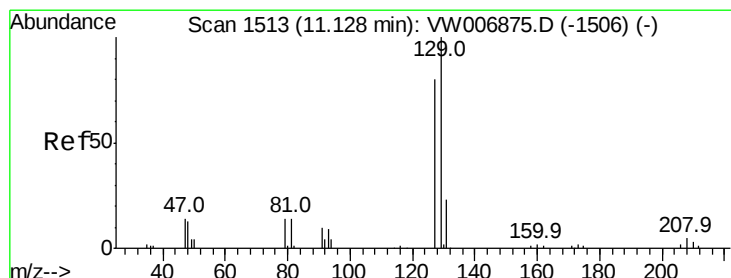
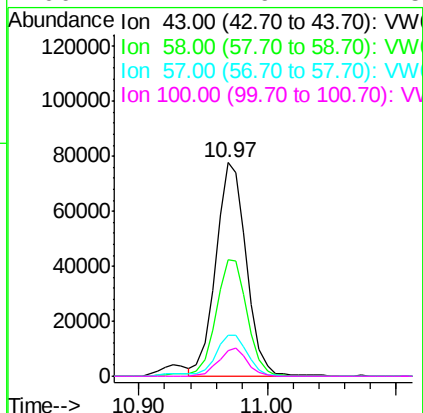
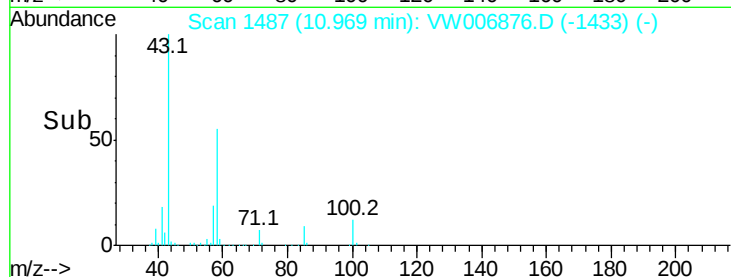
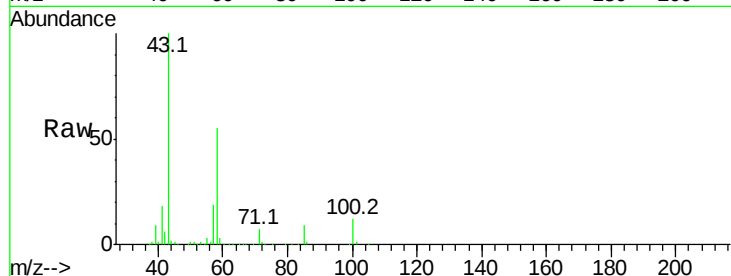


#49
2-Hexanone
Concen: 101.471 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Tgt Ion: 43 Resp: 129568

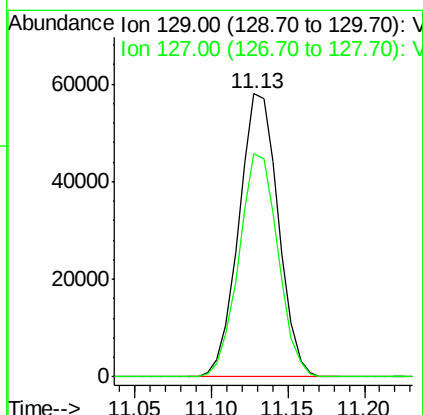
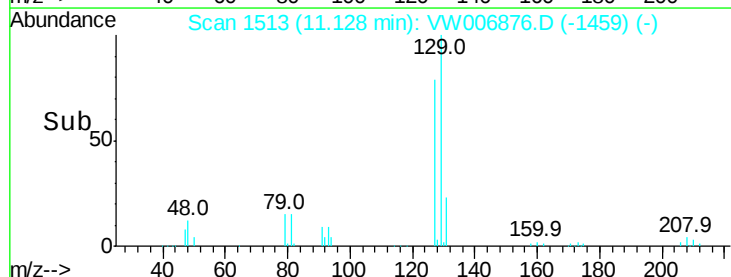
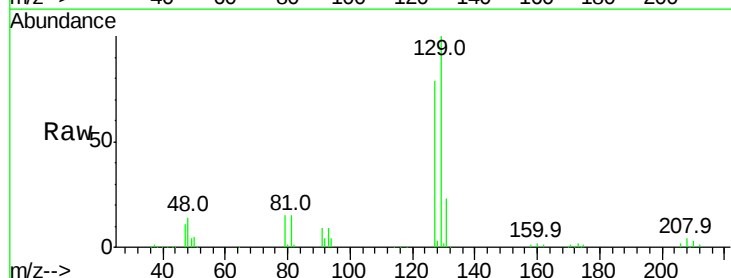
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.6	67.0
57	19.9	16.0	24.0
100	12.4	9.7	14.5

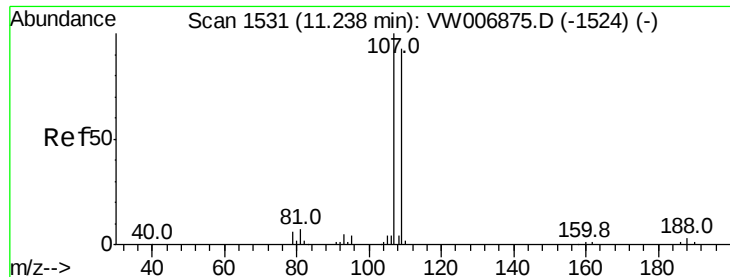


#50
Dibromochloromethane
Concen: 45.122 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Tgt Ion: 129 Resp: 104135

Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.7	103.5

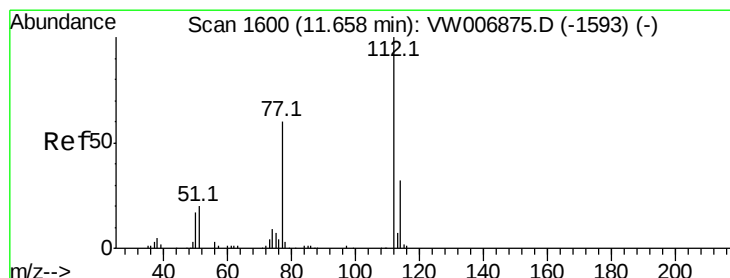
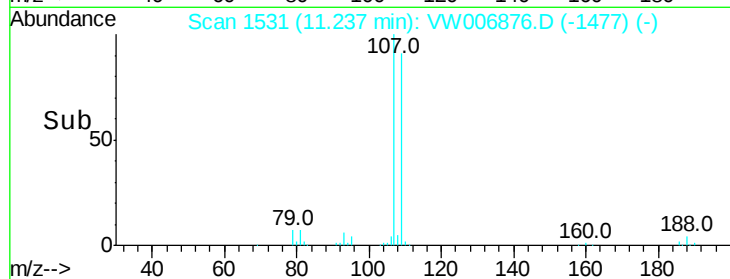
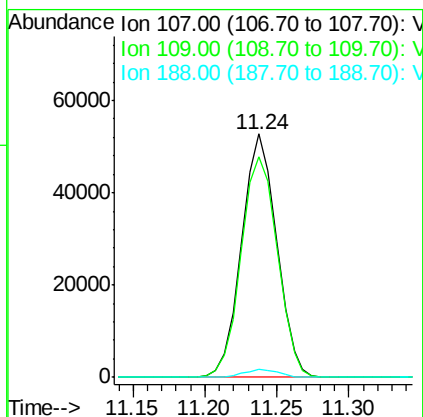
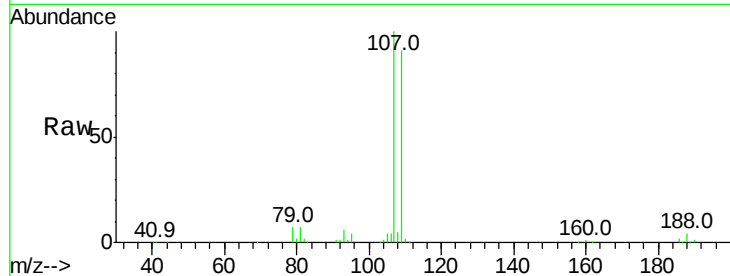




#51
1,2-Dibromoethane
Concen: 47.554 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

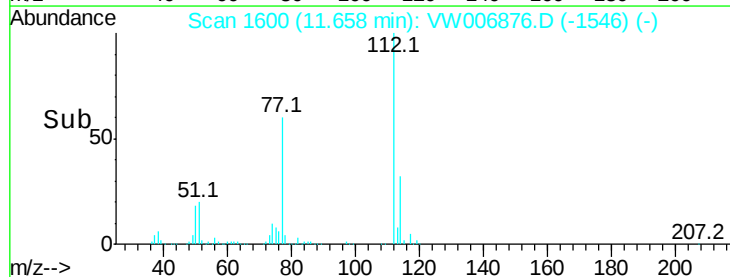
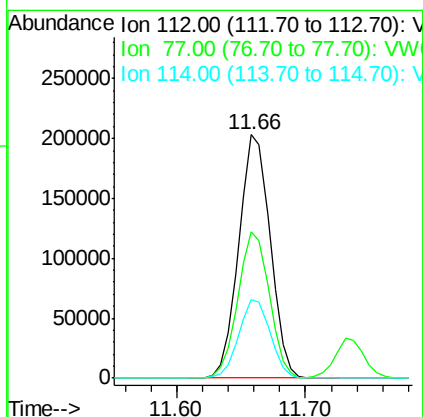
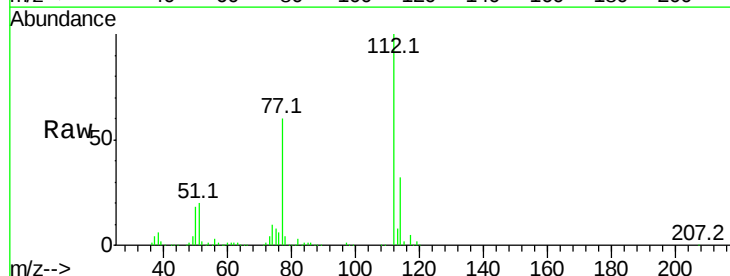
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

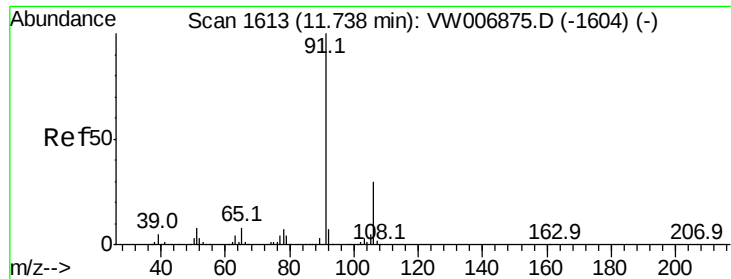
Tgt Ion:107 Resp: 89127
Ion Ratio Lower Upper
107 100
109 90.7 65.4 121.4
188 3.6 2.4 3.6



#52
Chlorobenzene
Concen: 51.838 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Tgt Ion:112 Resp: 343330
Ion Ratio Lower Upper
112 100
77 60.3 47.8 71.8
114 32.2 22.3 41.5





#53

Ethylbenzene

Concen: 54.057 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

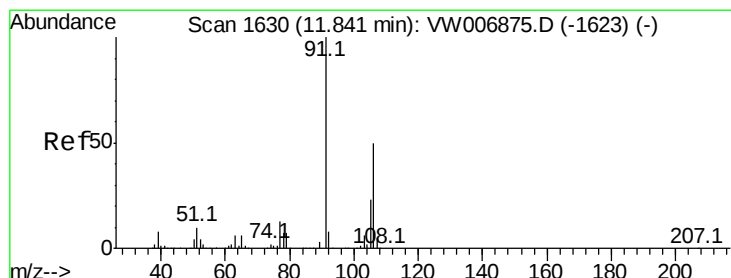
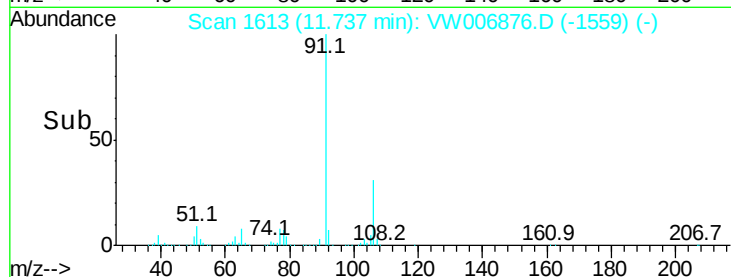
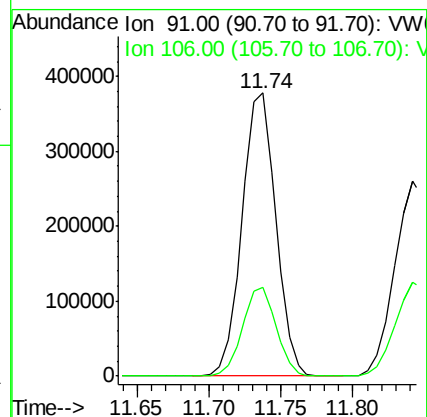
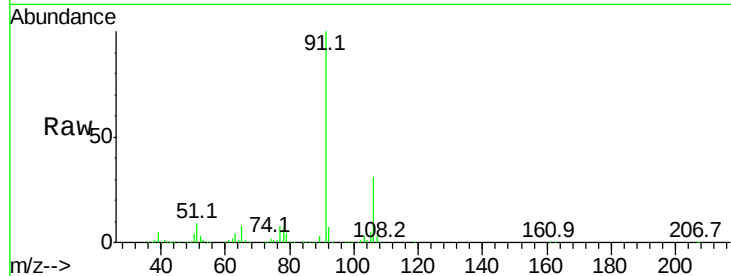
VSTD05084

Tgt Ion: 91 Resp: 615917

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.1



#54

m,p-Xylene

Concen: 53.744 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006876.D

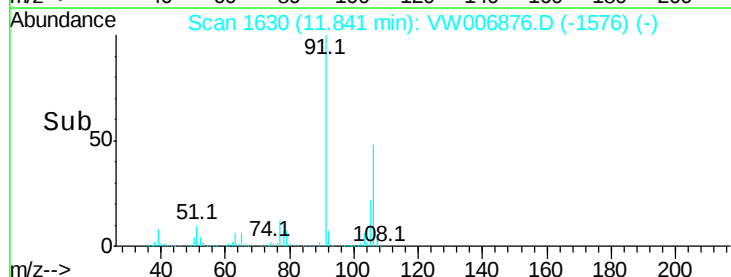
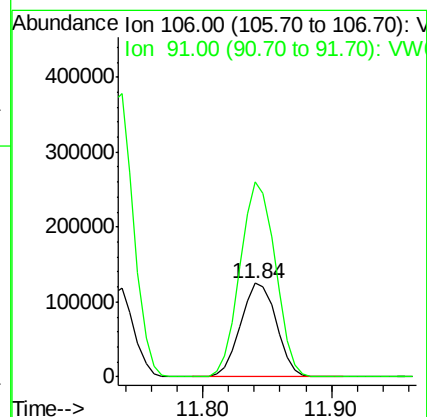
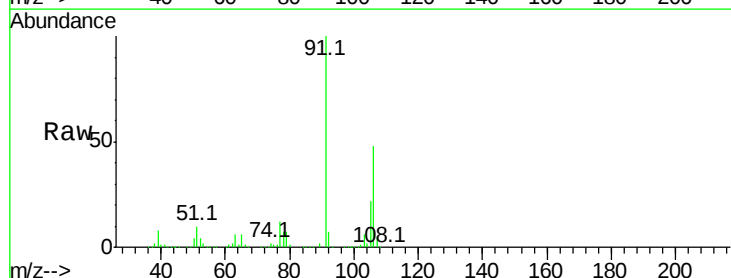
Acq: 14 Nov 2018 14:38

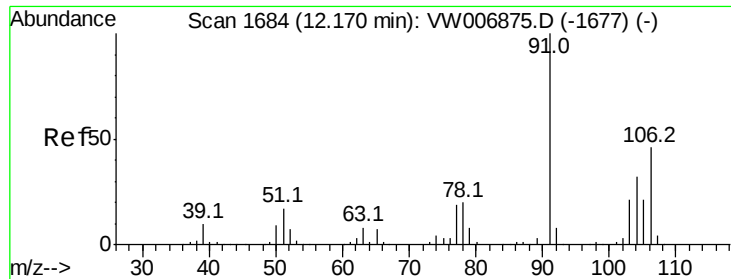
Tgt Ion: 106 Resp: 240030

Ion Ratio Lower Upper

106 100

91 208.7 141.5 262.9

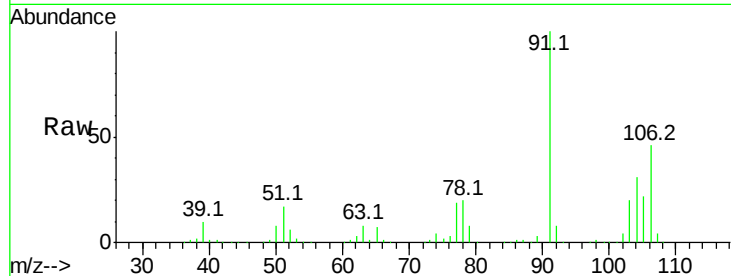




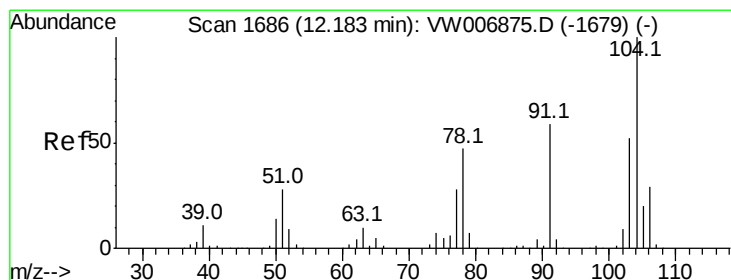
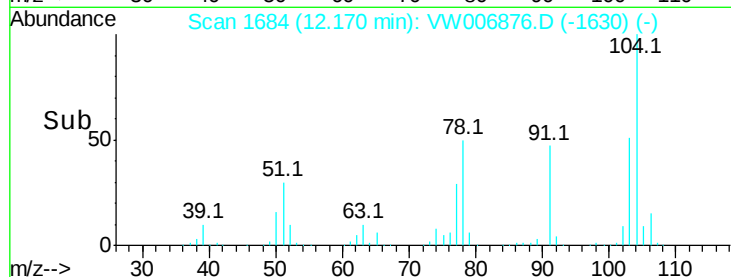
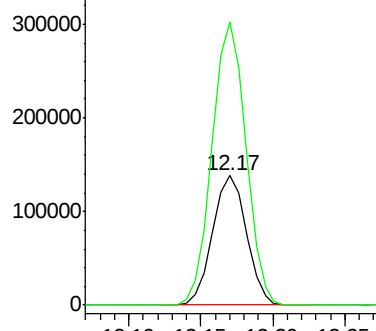
#55
o-xylene
Concen: 52.925 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Instrument :
MSVOA_W
ClientSampled :
VSTD05084

Tgt Ion:106 Resp: 225691
Ion Ratio Lower Upper
106 100
91 219.0 151.3 281.1

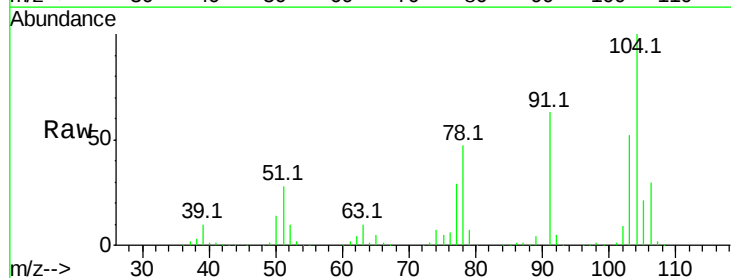


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

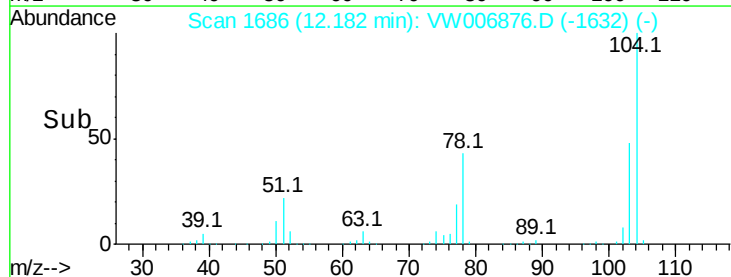
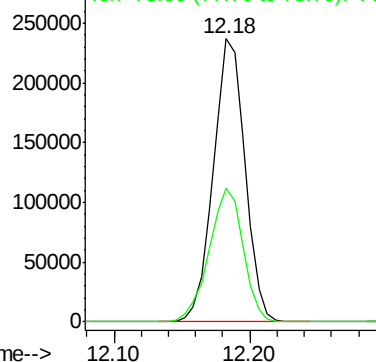


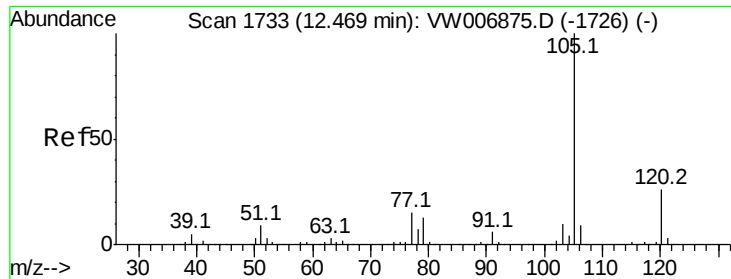
#56
Styrene
Concen: 52.595 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006876.D
Acq: 14 Nov 2018 14:38

Tgt Ion:104 Resp: 386232
Ion Ratio Lower Upper
104 100
78 47.2 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 50.462 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

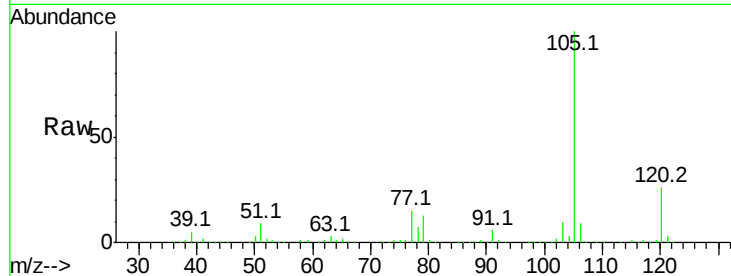
Tgt Ion: 105 Resp: 598753

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

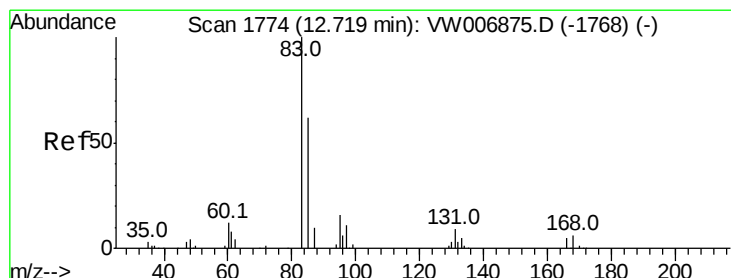
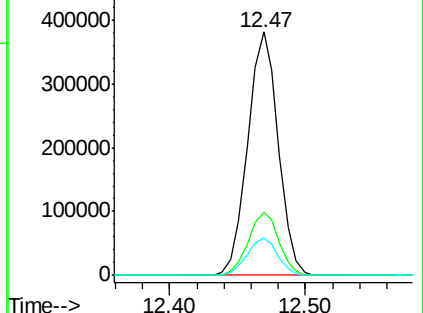
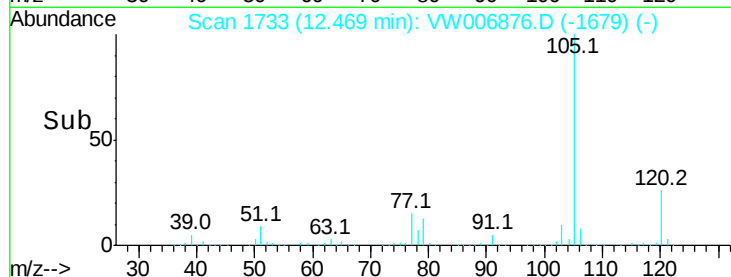
77 15.3 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.497 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

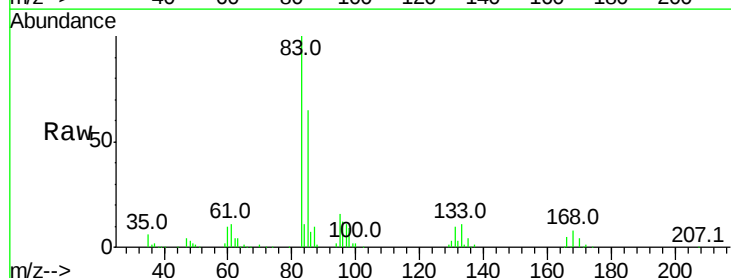
Tgt Ion: 83 Resp: 115817

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.5

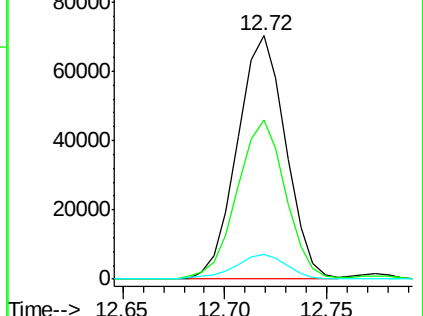
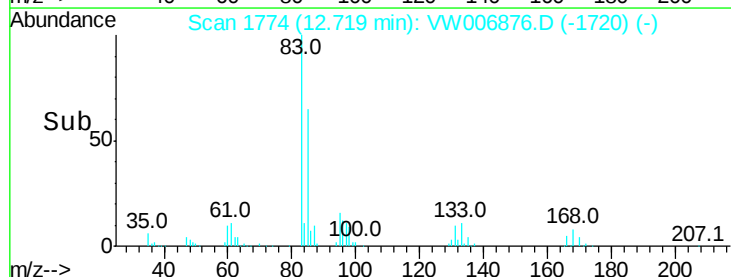
131 10.0 8.0 12.0

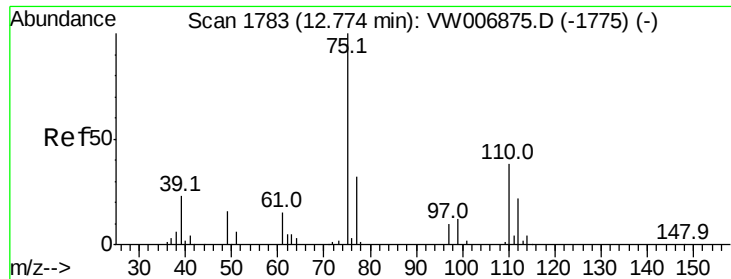


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.394 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampled :

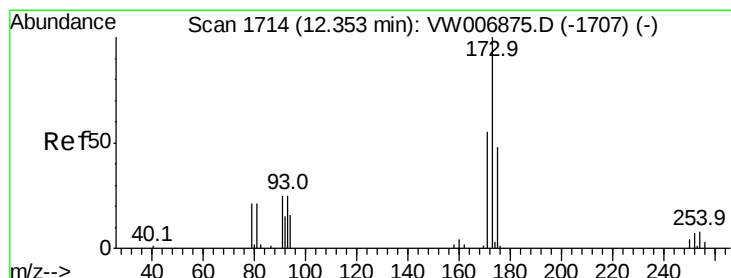
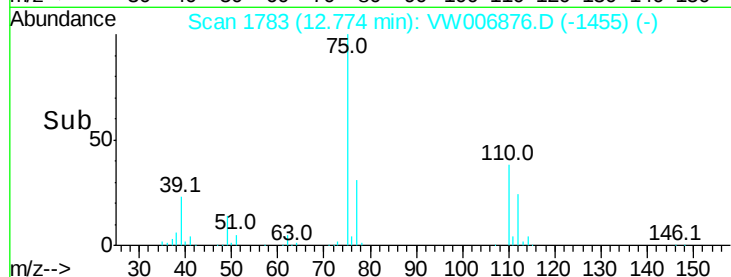
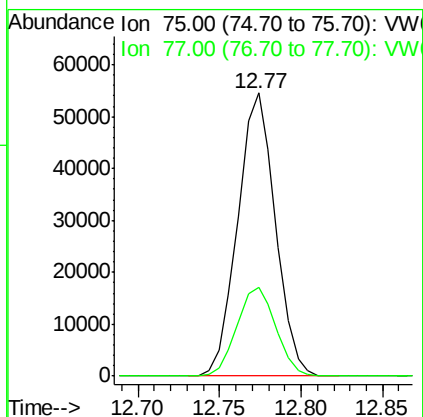
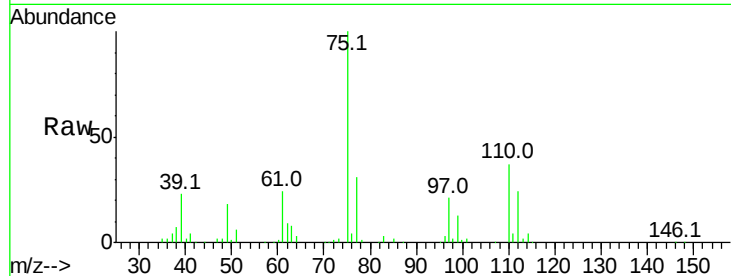
VSTD05084

Tgt Ion: 75 Resp: 87977

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



#62

Bromoform

Concen: 41.279 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

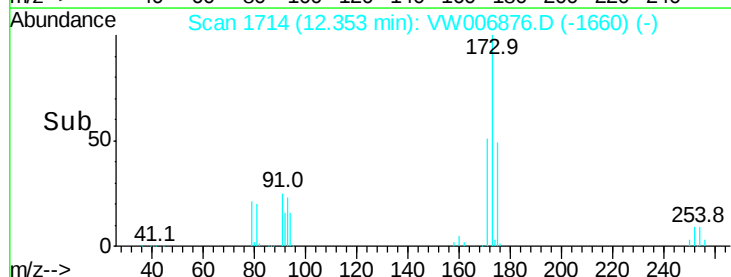
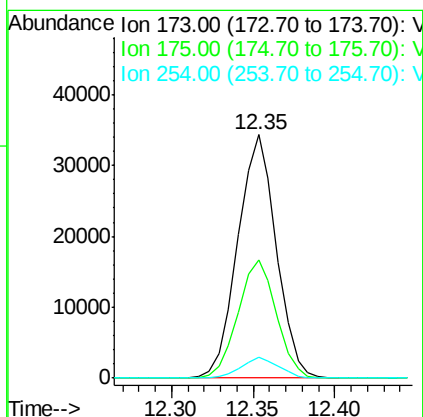
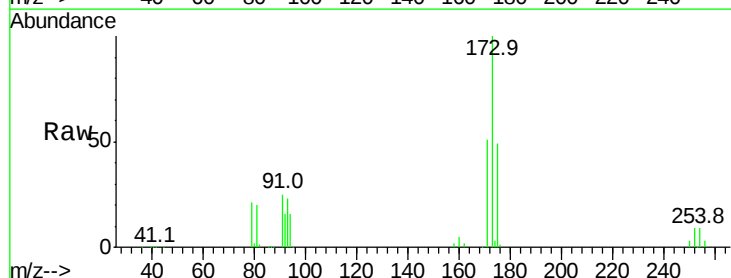
Tgt Ion: 173 Resp: 56434

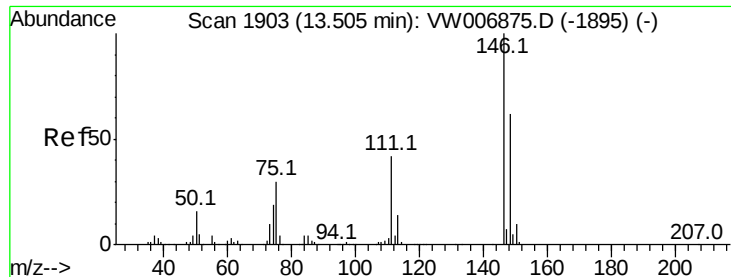
Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

254 8.3 6.4 9.6

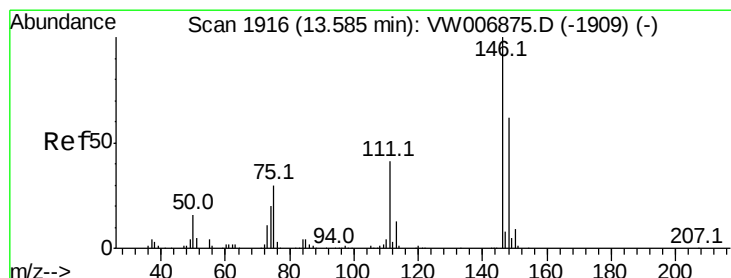
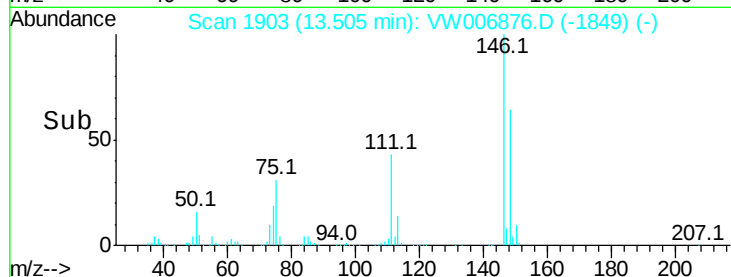
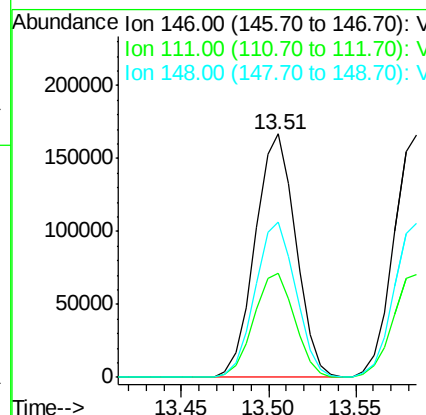
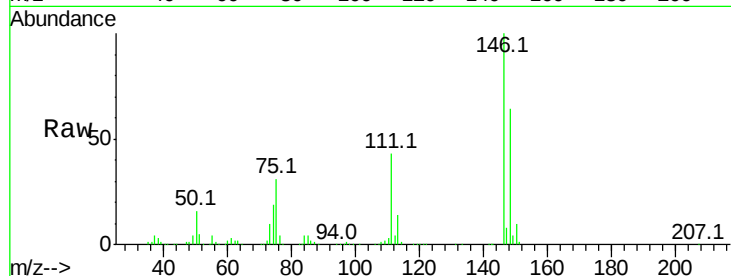




#63
 1,3-Dichlorobenzene
 Concen: 53.700 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006876.D
 Acq: 14 Nov 2018 14:38

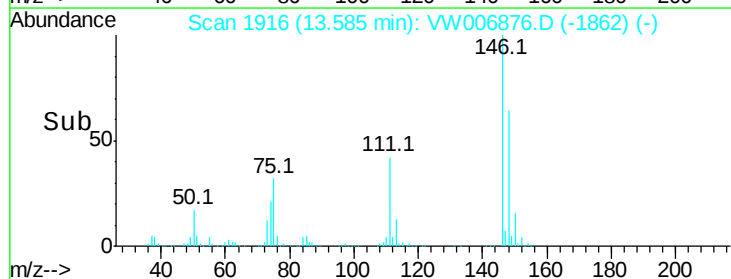
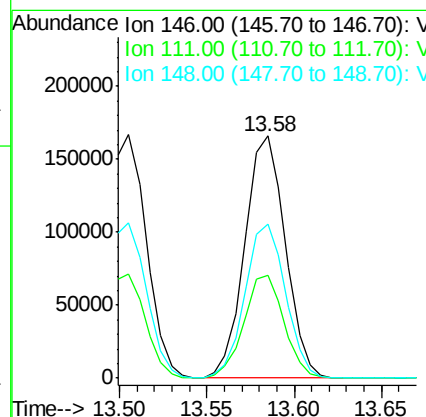
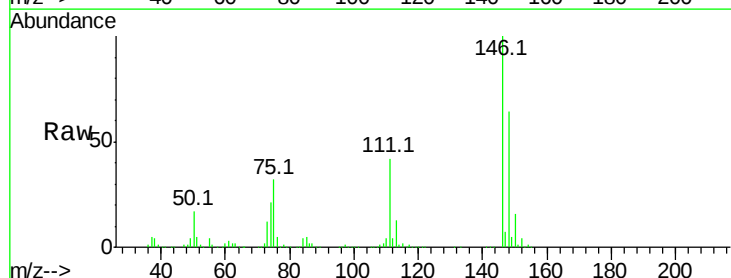
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

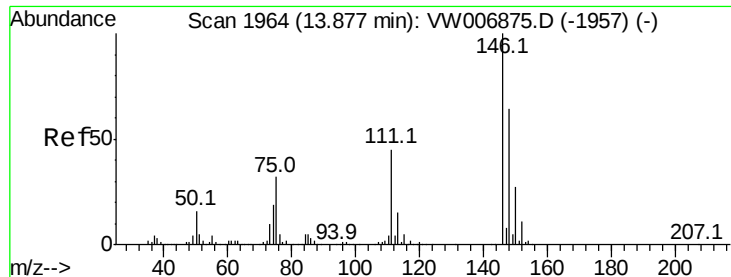
Tgt Ion:146 Resp: 269069
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.3 54.3
 148 63.7 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 52.908 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006876.D
 Acq: 14 Nov 2018 14:38

Tgt Ion:146 Resp: 266959
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.8 53.4
 148 63.5 43.2 80.2

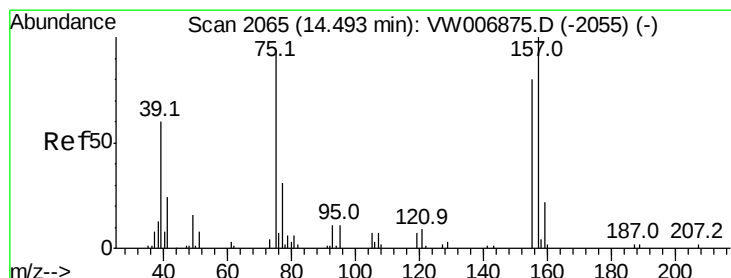
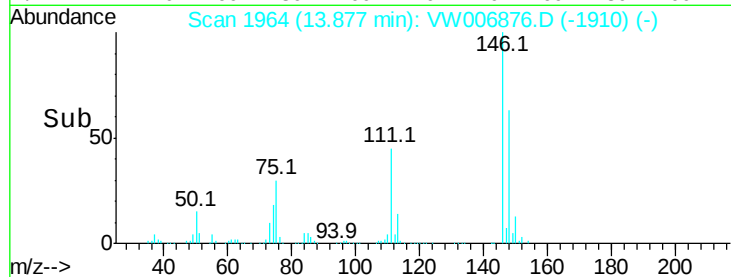
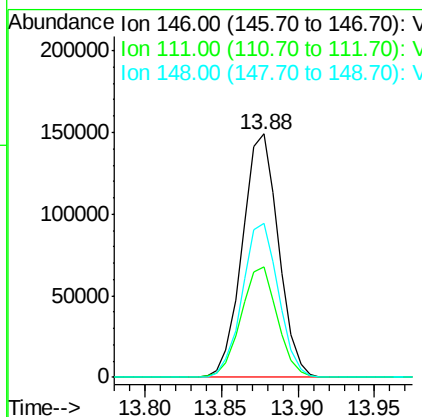
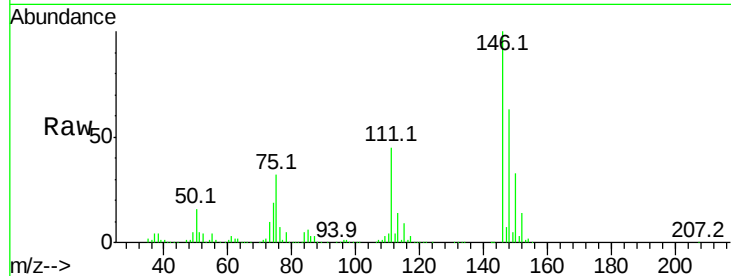




#65
 1,2-Dichlorobenzene
 Concen: 52.976 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006876.D
 Acq: 14 Nov 2018 14:38

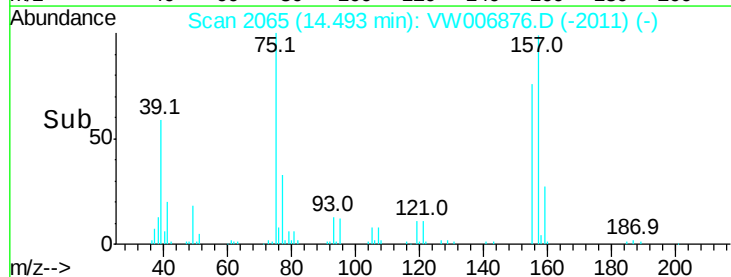
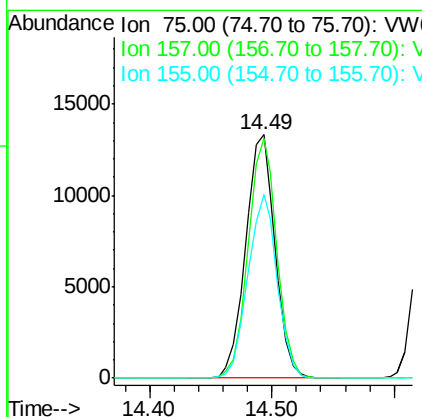
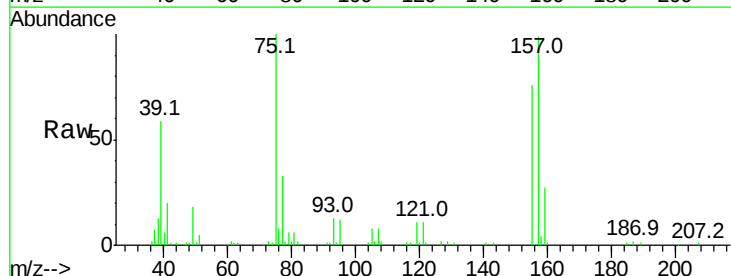
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

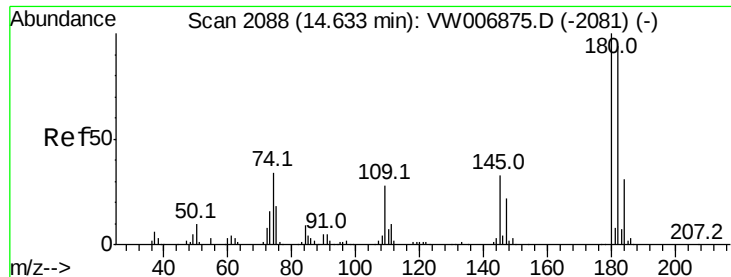
Tgt Ion:146 Resp: 244191
 Ion Ratio Lower Upper
 146 100
 111 45.1 36.0 54.0
 148 63.1 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 59.727 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006876.D
 Acq: 14 Nov 2018 14:38

Tgt Ion: 75 Resp: 22160
 Ion Ratio Lower Upper
 75 100
 157 98.7 85.0 127.6
 155 75.5 67.7 101.5

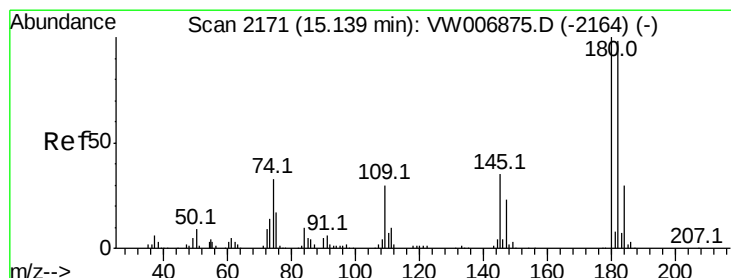
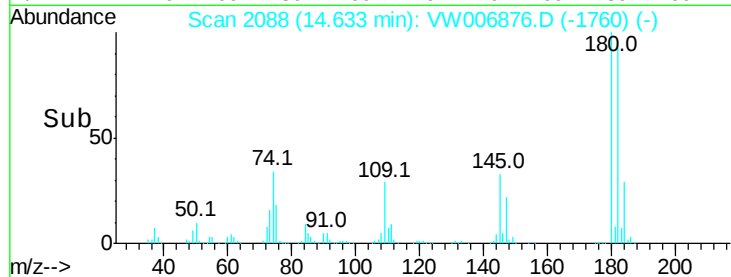
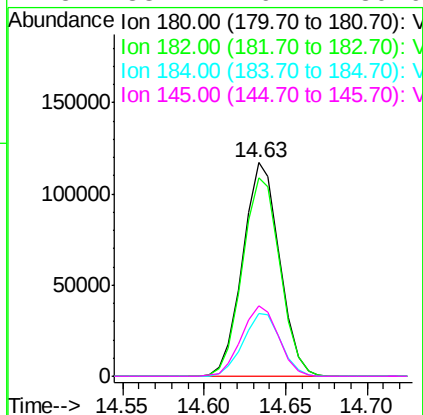
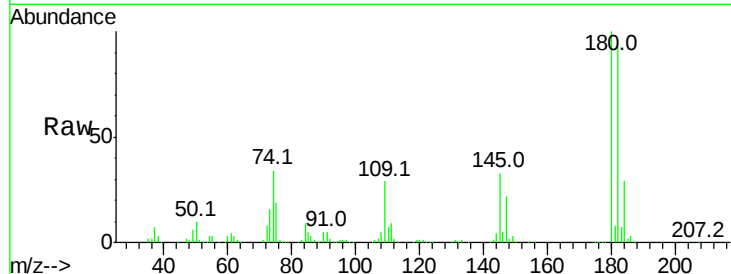




#67
 1,3,5-Trichlorobenzene
 Concen: 45.600 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW006876.D
 Acq: 14 Nov 2018 14:38

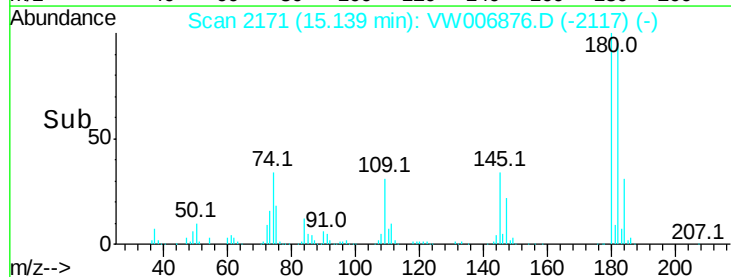
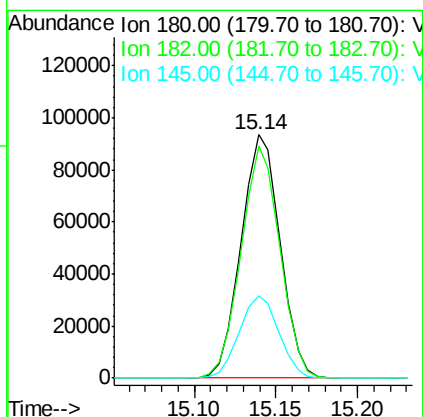
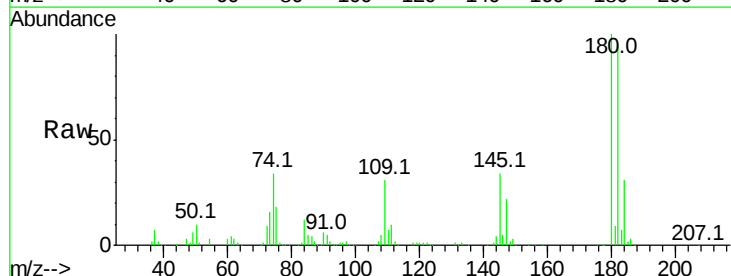
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

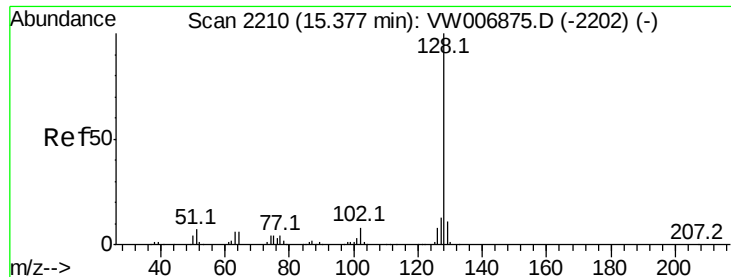
Tgt Ion:180 Resp: 184173
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.6 113.4
 184 30.0 24.2 36.4
 145 33.1 26.4 39.6



#68
 1,2,4-trichlorobenzene
 Concen: 45.404 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006876.D
 Acq: 14 Nov 2018 14:38

Tgt Ion:180 Resp: 156371
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.5 113.3
 145 34.4 27.4 41.2





#69

Naphthalene

Concen: 53.506 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

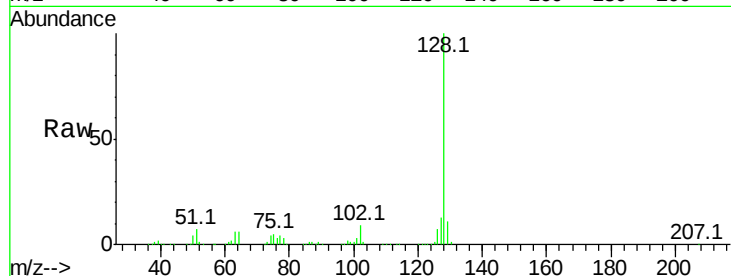
Tgt Ion:128 Resp: 373091

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

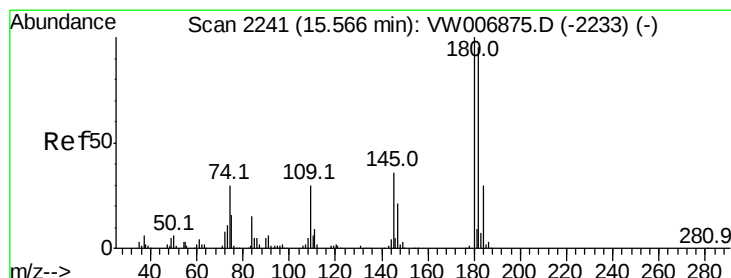
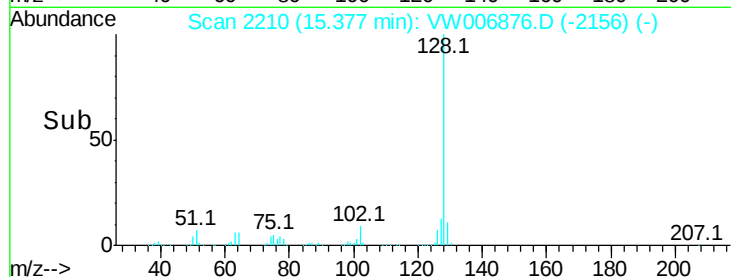
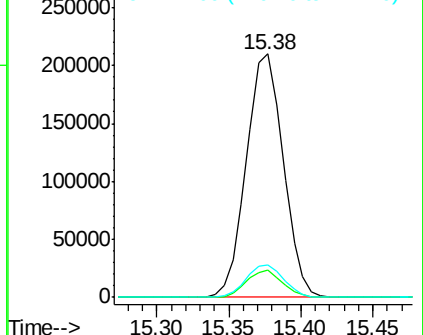
127 13.5 10.6 15.8



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: 45.206 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006876.D

Acq: 14 Nov 2018 14:38

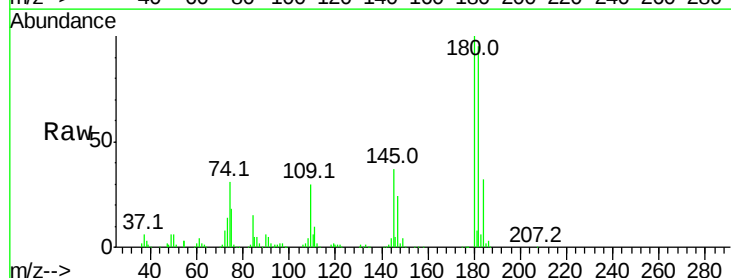
Tgt Ion:180 Resp: 139870

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.6

145 36.4 28.8 43.2



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

