

Data File : VW005721.D
Acq On : 28 Sep 2018 14:02
Operator : SY/AP
Sample : VSTD05083
Misc : 5.00G/105ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05083

Quant Time: Sep 28 14:32:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 14:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	235849	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	239500	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	127453	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	156966	49.43	ug/L	0.00
7) Chloroethane-d5	2.90	69	127365	50.32	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	347511	49.73	ug/L	0.00
20) 2-Butanone-d5	7.09	46	117189	94.56	ug/L	-0.01
24) Chloroform-d	7.65	84	334300	52.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	207869	53.94	ug/L	0.00
29) Benzene-d6	8.28	84	613208	43.30	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	173992	40.33	ug/L	0.00
37) Toluene-d8	10.33	98	638531	48.99	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	99187	50.12	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	103453	102.65	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	190992	49.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	250615	50.76	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	158791	48.374	ug/L	95
3) Chloromethane	2.22	50	128784	37.241	ug/L	95
5) Vinyl chloride	2.37	62	188784	56.350	ug/L	97
6) Bromomethane	2.79	94	111142	53.478	ug/L	98
8) Chloroethane	2.93	64	105900	51.907	ug/L	94
9) Trichlorofluoromethane	3.26	101	150001	51.635	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	172935	55.771	ug/L	99
12) 1,1-Dichloroethene	4.04	96	157141	53.864	ug/L	89
13) Acetone	4.14	43	104834	98.800	ug/L	73
14) Carbon disulfide	4.38	76	480319	50.709	ug/L	98
15) Methyl Acetate	4.68	43	100696	48.622	ug/L	98
16) Methylene chloride	4.92	84	163817	41.995	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	260255	55.461	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	157865	50.842	ug/L	89
19) 1,1-Dichloroethane	6.22	63	279843	47.246	ug/L	99
21) 2-Butanone	7.18	43	124907	85.876	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	168811	50.129	ug/L	95
23) Bromochloromethane	7.52	128	79028	52.777	ug/L	97
25) Chloroform	7.68	83	320888	53.669	ug/L	99
27) 1,2-Dichloroethane	8.40	62	235438	53.367	ug/L	97
30) Cyclohexane	7.96	56	260122	41.622	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	281799	51.515	ug/L	99
32) Carbon tetrachloride	8.07	117	271648	52.126	ug/L	99
34) Benzene	8.33	78	637654	44.116	ug/L	100
35) Trichloroethene	9.10	95	165538	44.278	ug/L	100
36) Methylcyclohexane	9.34	83	294129	43.889	ug/L	98
40) 1,2-Dichloropropane	9.37	63	154812	41.251	ug/L	100
41) Bromodichloromethane	9.65	83	229949	49.694	ug/L	93
42) cis-1,3-Dichloropropene	10.08	75	283491	51.377	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	294709	97.903	ug/L	99

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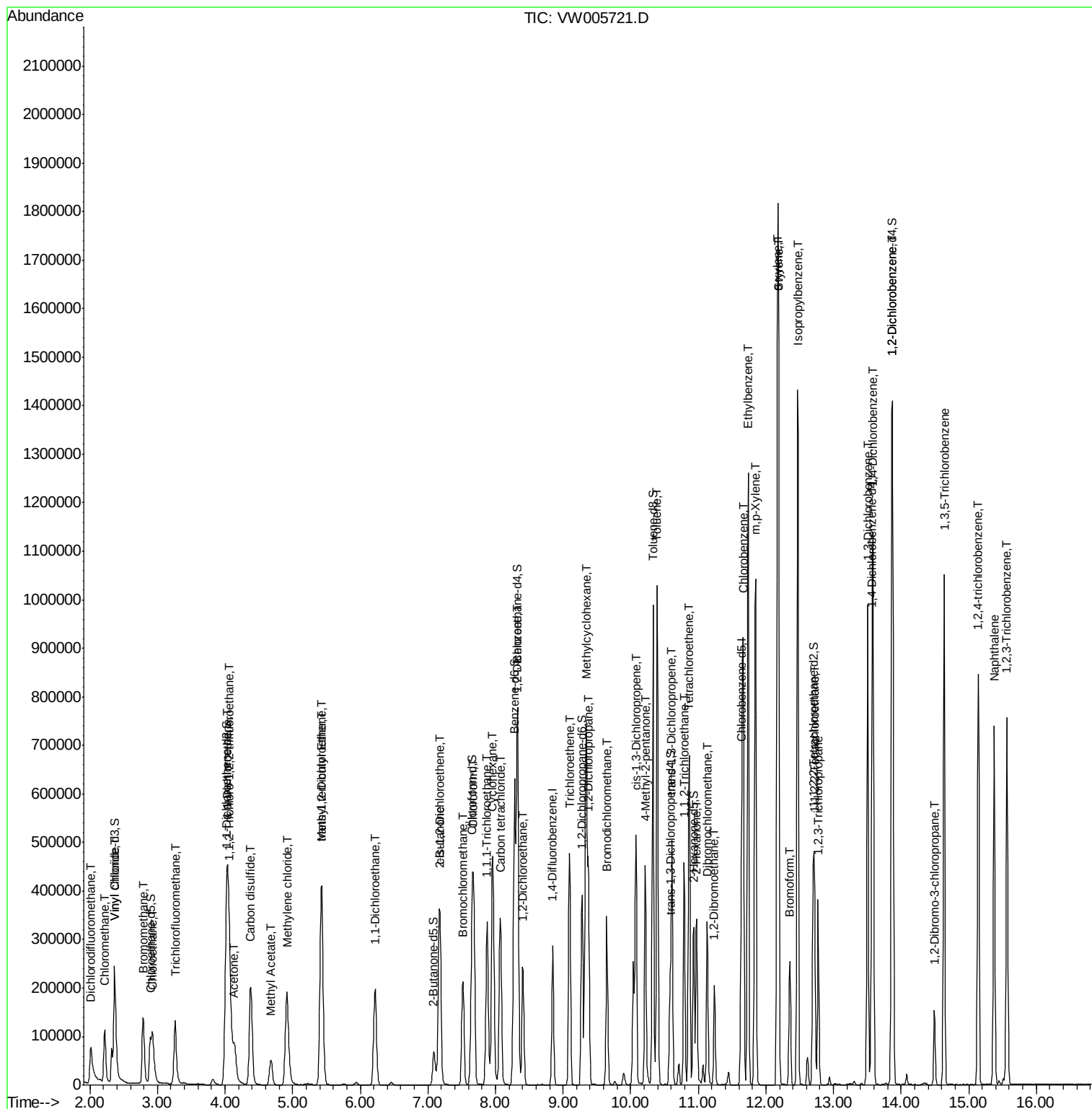
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	752366	50.338	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	266190	52.838	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	138311	49.716	ug/L	99
47) Tetrachloroethene	10.87	164	156857	51.458	ug/L	95
49) 2-Hexanone	10.98	43	219141	100.746	ug/L	98
50) Dibromochloromethane	11.13	129	175627	53.681	ug/L	97
51) 1,2-Dibromoethane	11.24	107	135052	51.325	ug/L	94
52) Chlorobenzene	11.66	112	472017	48.738	ug/L	95
53) Ethylbenzene	11.74	91	842327	48.525	ug/L	98
54) m,p-Xylene	11.85	106	332308	52.140	ug/L	99
55) o-xylene	12.17	106	315895	52.367	ug/L	99
56) Styrene	12.19	104	556420	53.618	ug/L	98
57) Isopropylbenzene	12.47	105	911035	53.954	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	184482	48.763	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	150517	49.881	ug/L	98
62) Bromoform	12.35	173	119523	54.078	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	389353	48.322	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	408022	49.315	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	387484	51.120	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	39543	50.287	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	328057	51.975	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	279957	54.076	ug/L	99
69) Naphthalene	15.38	128	625154	56.888	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	263217	53.841	ug/L	98

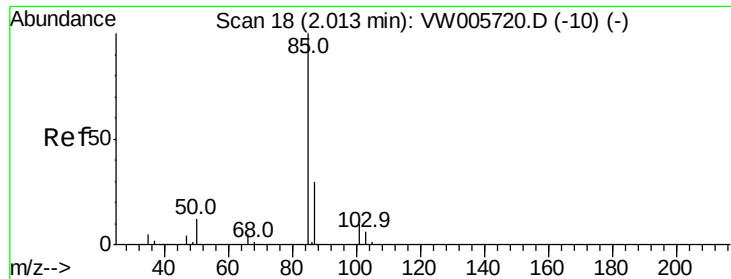
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.374 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

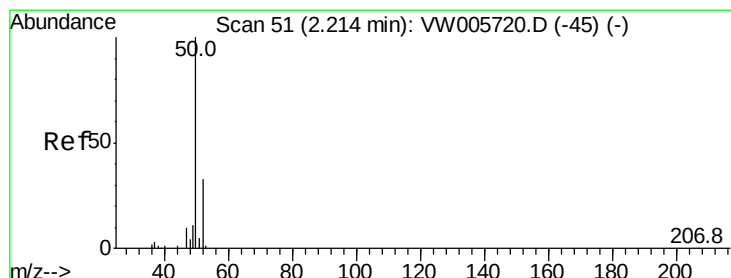
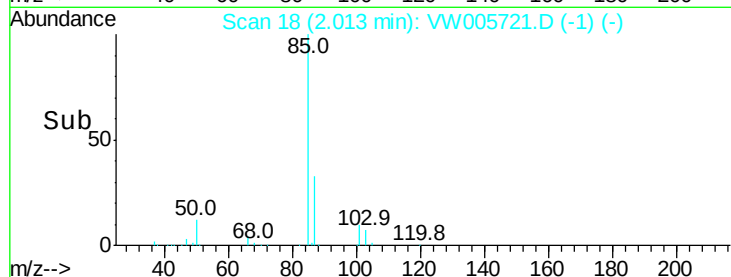
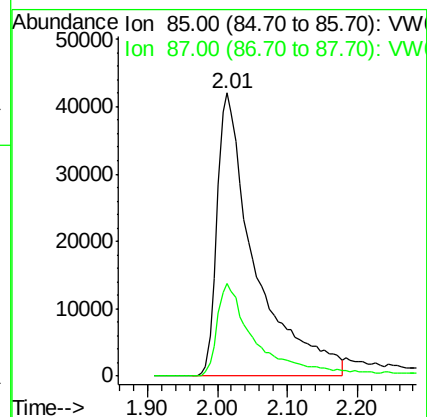
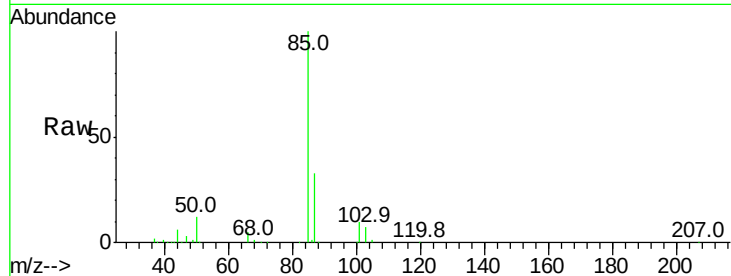
VSTD05083

Tgt Ion: 85 Resp: 158791

Ion Ratio Lower Upper

85 100

87 30.3 19.2 35.6



#3

Chloromethane

Concen: 37.241 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005721.D

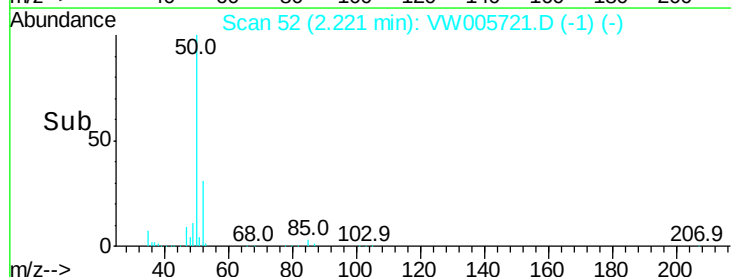
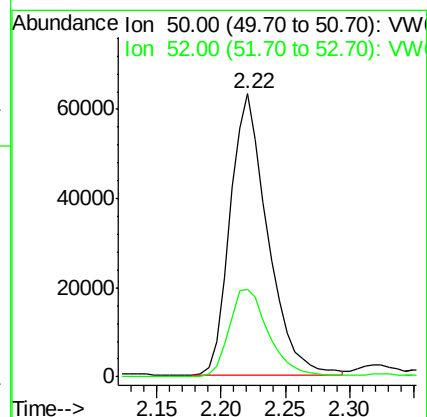
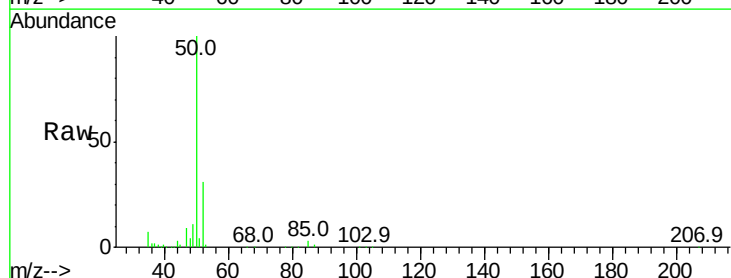
Acq: 28 Sep 2018 14:02

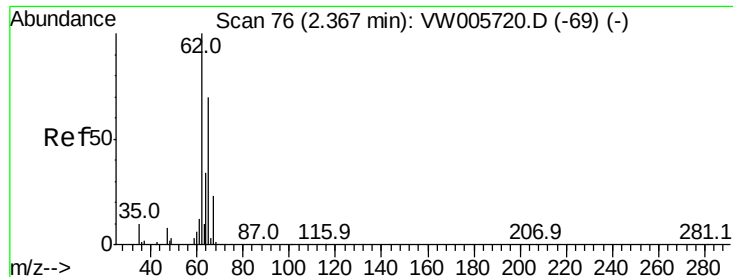
Tgt Ion: 50 Resp: 128784

Ion Ratio Lower Upper

50 100

52 30.8 23.4 43.4





#5

Vinyl chloride

Concen: 56.350 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

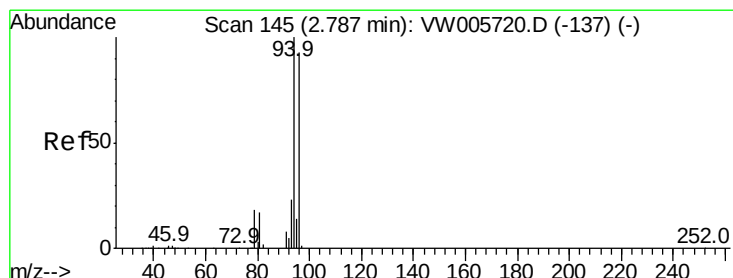
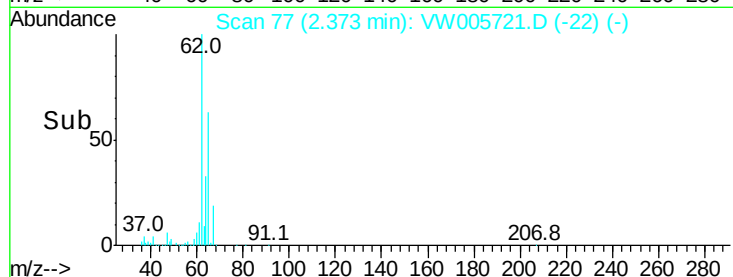
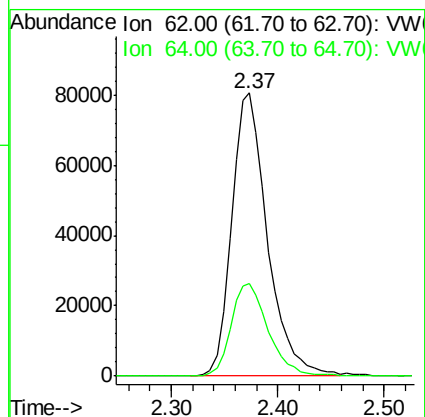
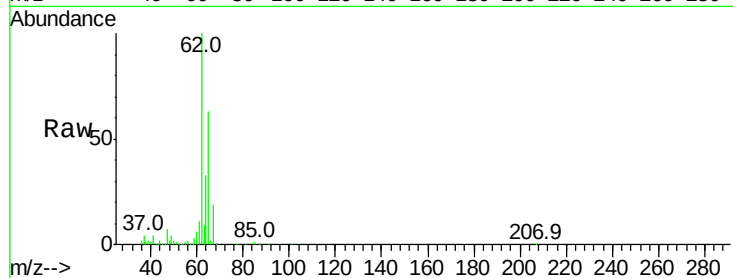
VSTD05083

Tgt Ion: 62 Resp: 188784

Ion Ratio Lower Upper

62 100

64 32.8 24.1 44.7



#6

Bromomethane

Concen: 53.478 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW005721.D

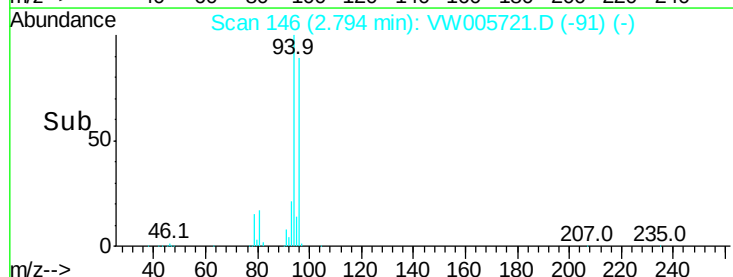
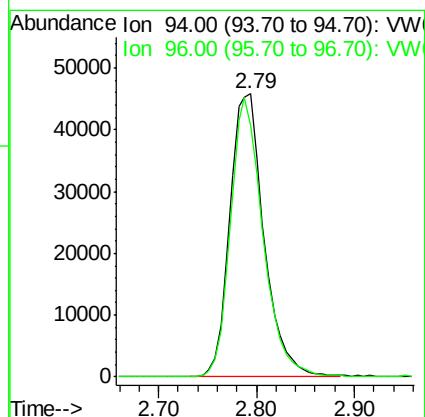
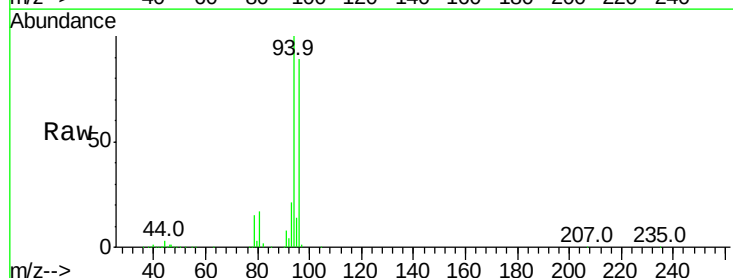
Acq: 28 Sep 2018 14:02

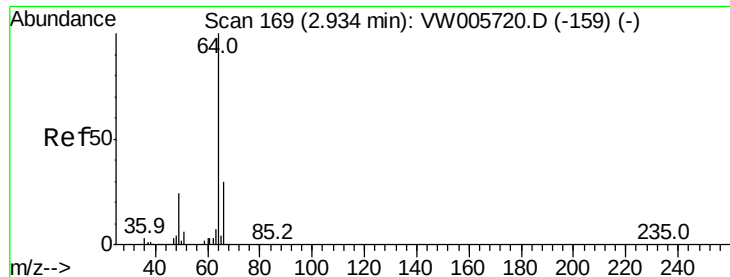
Tgt Ion: 94 Resp: 111142

Ion Ratio Lower Upper

94 100

96 93.9 9.6 181.6





#8

Chloroethane

Concen: 51.907 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

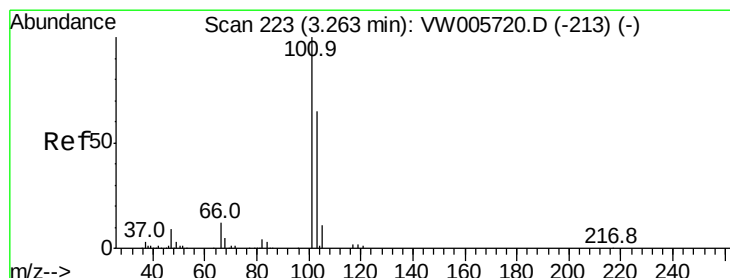
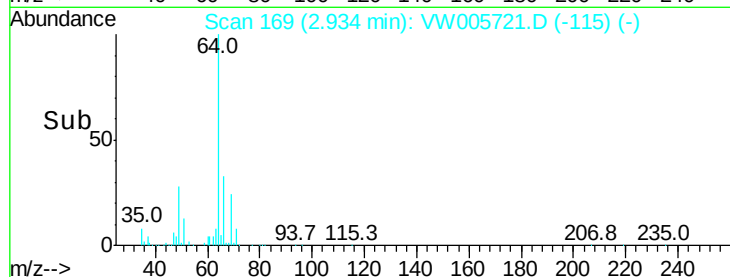
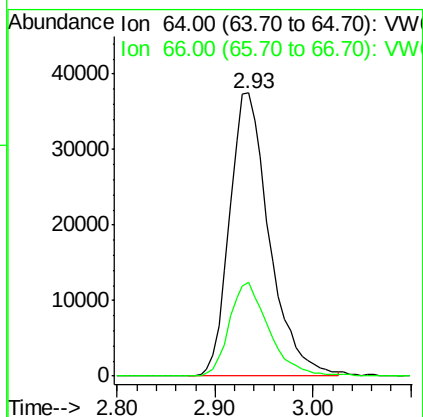
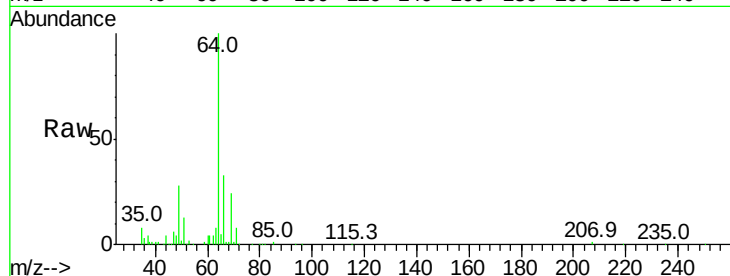
VSTD05083

Tgt Ion: 64 Resp: 105900

Ion Ratio Lower Upper

64 100

66 33.4 21.1 39.3



#9

Trichlorofluoromethane

Concen: 51.635 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW005721.D

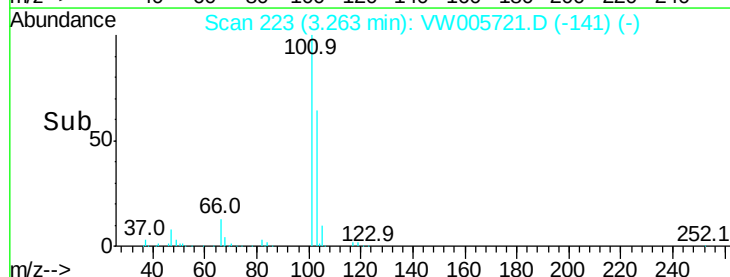
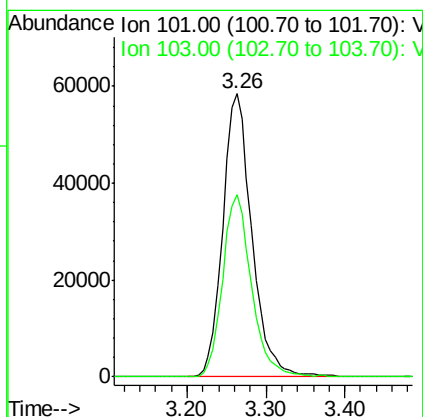
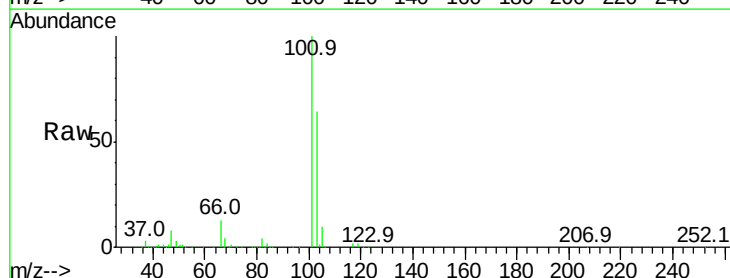
Acq: 28 Sep 2018 14:02

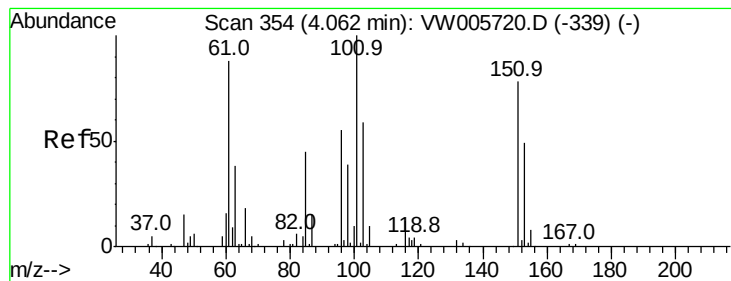
Tgt Ion: 101 Resp: 150001

Ion Ratio Lower Upper

101 100

103 63.9 44.9 83.5





#11

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

Concen: 55.771 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

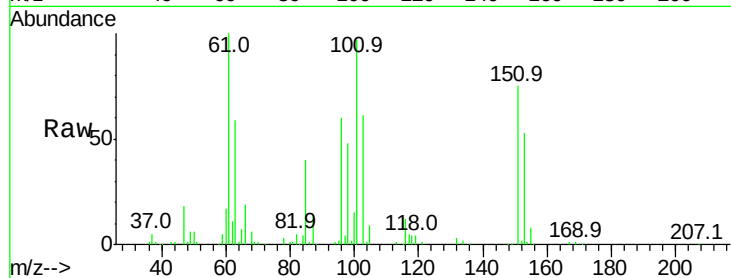
Tgt Ion: 101 Resp: 172935

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.4

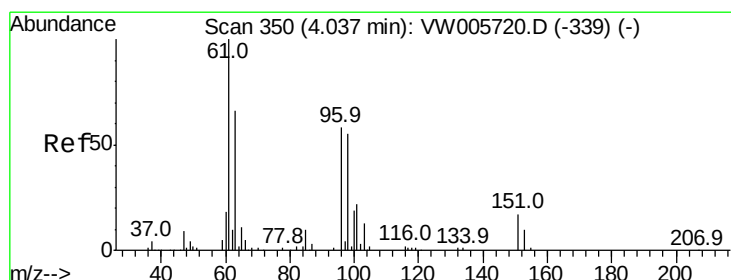
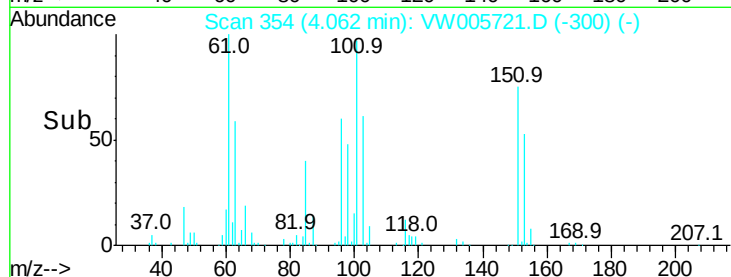
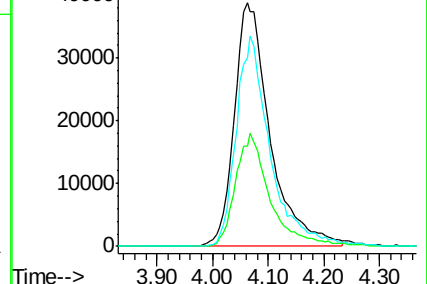
151 81.6 66.4 99.6



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: 53.864 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

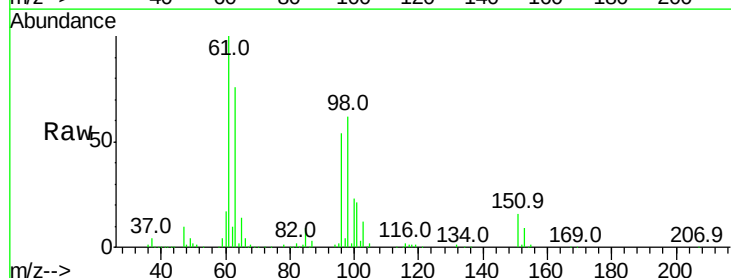
Tgt Ion: 96 Resp: 157141

Ion Ratio Lower Upper

96 100

61 186.3 121.4 225.6

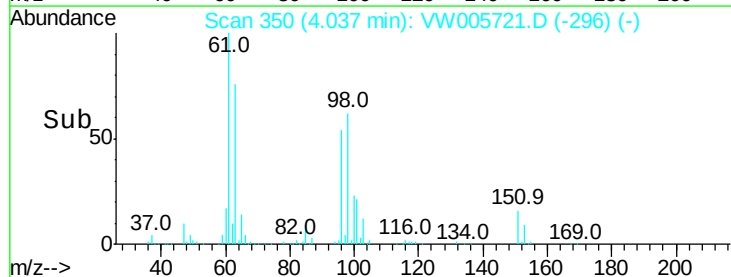
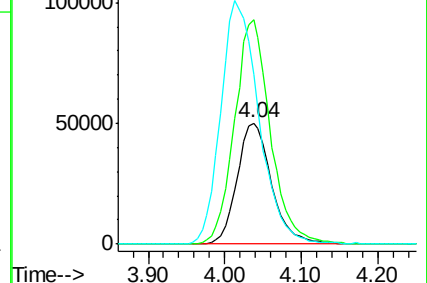
63 140.7 87.2 161.9

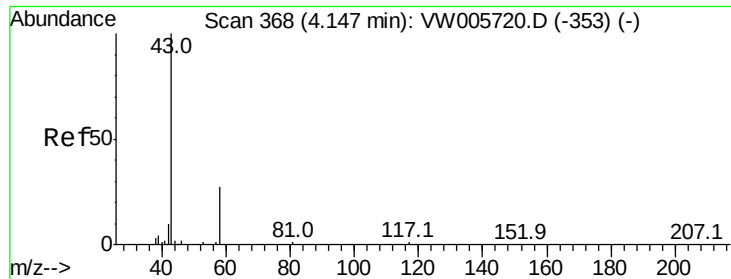


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 98.800 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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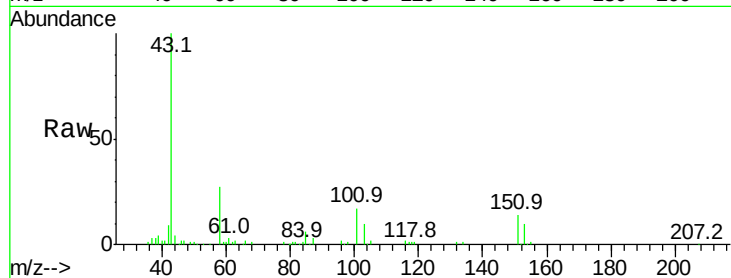
VSTD05083

Tgt Ion: 43 Resp: 104834

Ion Ratio Lower Upper

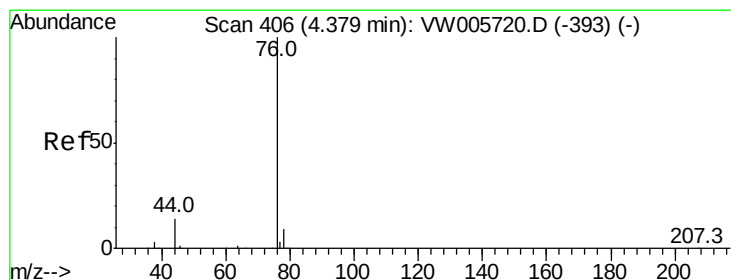
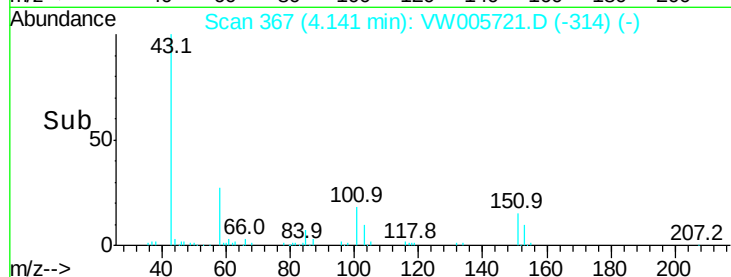
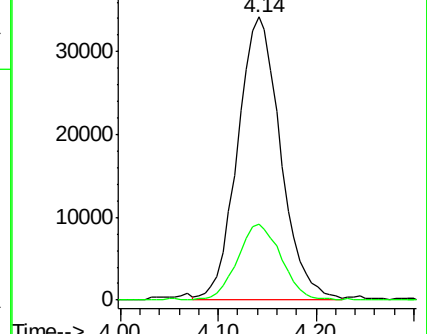
43 100

58 27.3 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 50.709 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005721.D

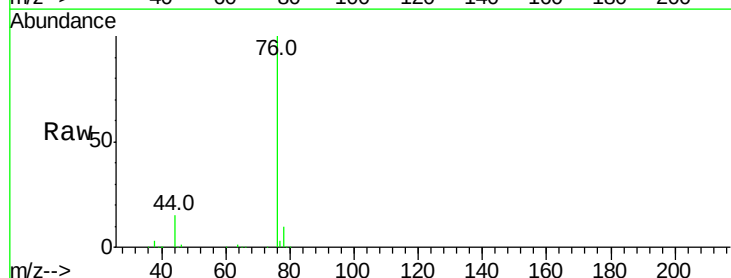
Acq: 28 Sep 2018 14:02

Tgt Ion: 76 Resp: 480319

Ion Ratio Lower Upper

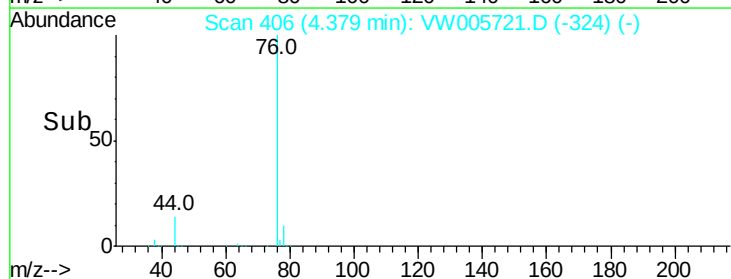
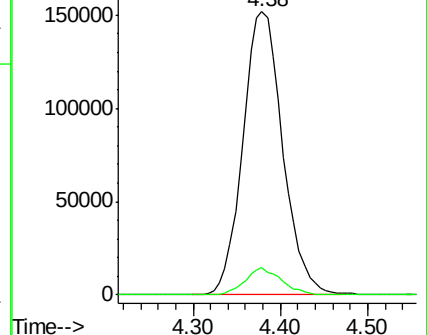
76 100

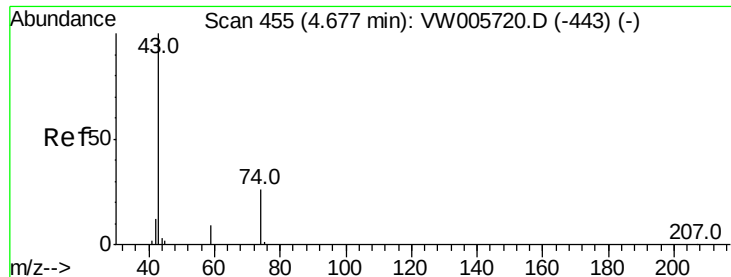
78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

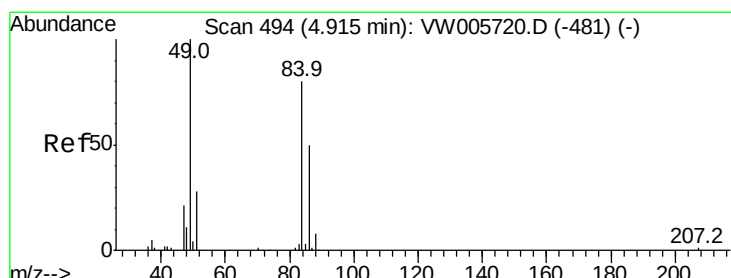
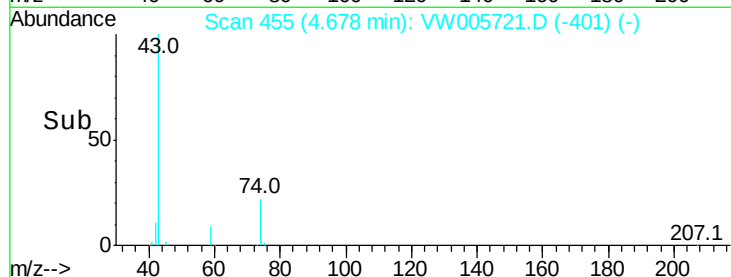
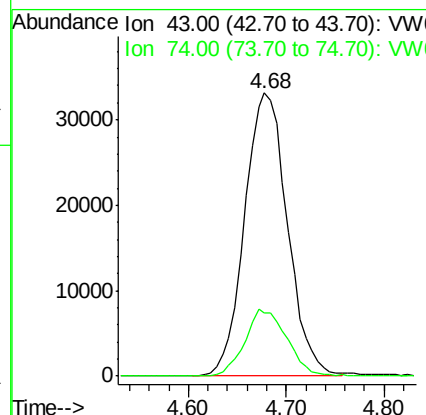
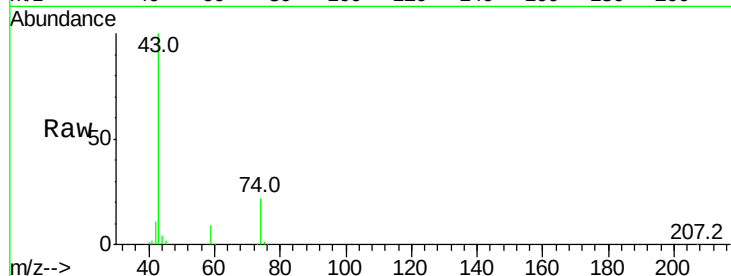




#15
Methyl Acetate
Concen: 48.622 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

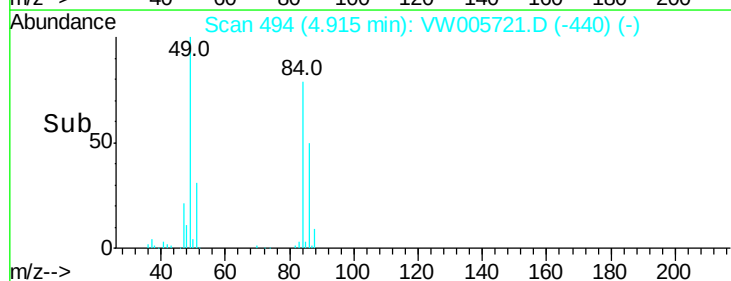
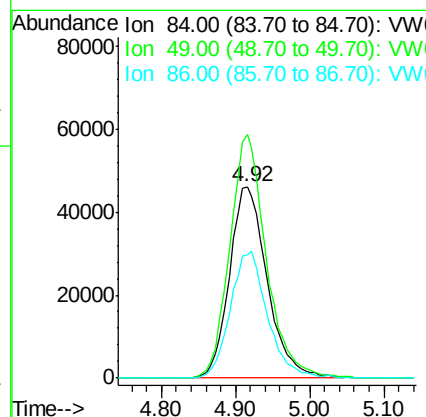
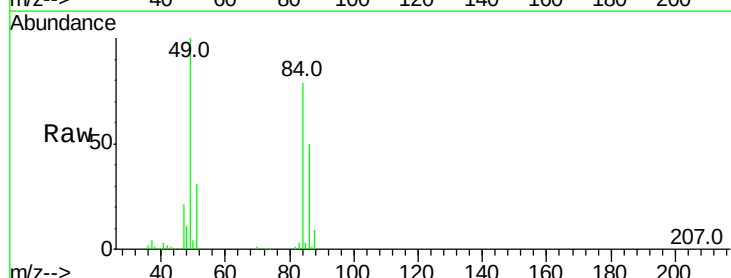
Instrument :
MSVOA_W
ClientSampleId :
VSTD05083

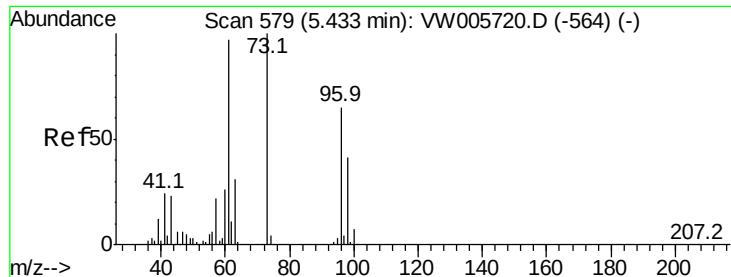
Tgt Ion: 43 Resp: 100696
Ion Ratio Lower Upper
43 100
74 23.2 19.5 29.3



#16
Methylene chloride
Concen: 41.995 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

Tgt Ion: 84 Resp: 163817
Ion Ratio Lower Upper
84 100
49 127.4 87.2 162.0
86 64.2 43.2 80.2

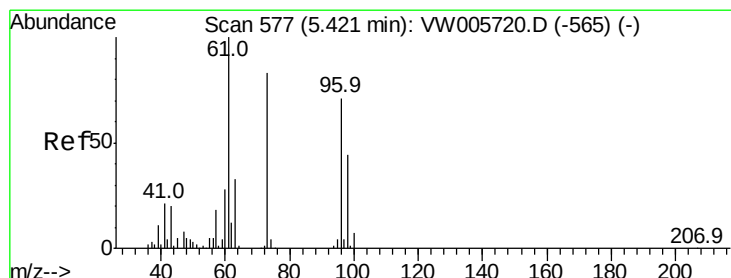
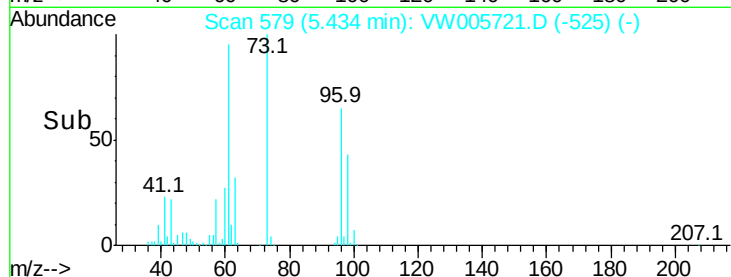
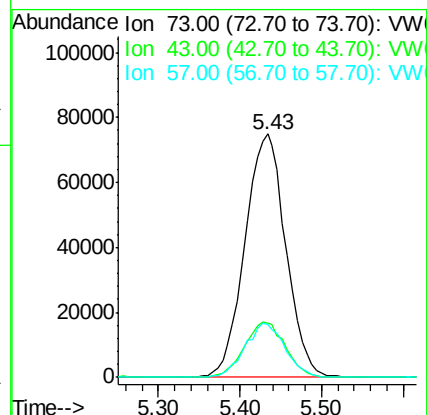
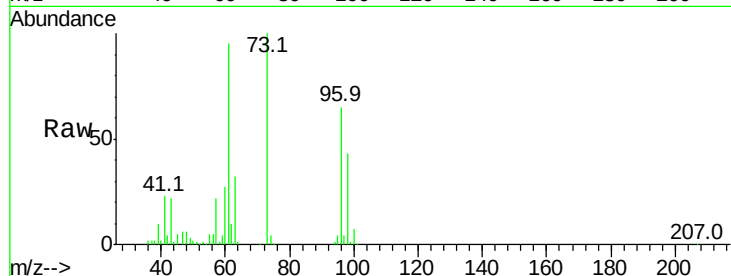




#17
Methyl tert-butyl Ether
Concen: 55.461 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

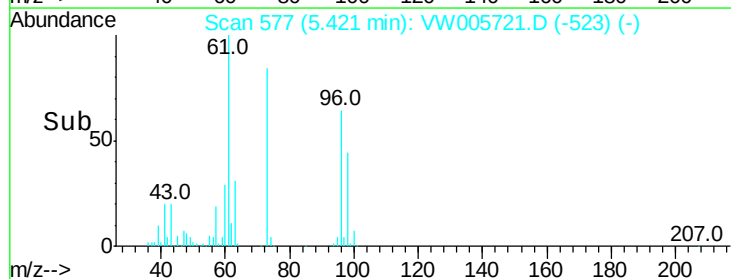
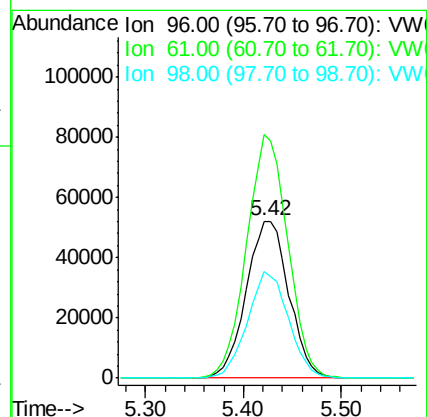
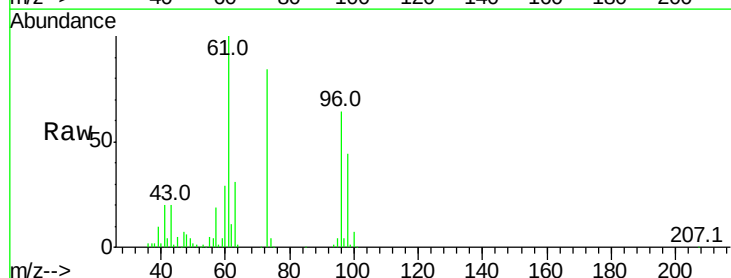
Instrument :
MSVOA_W
ClientSampleId :
VSTD05083

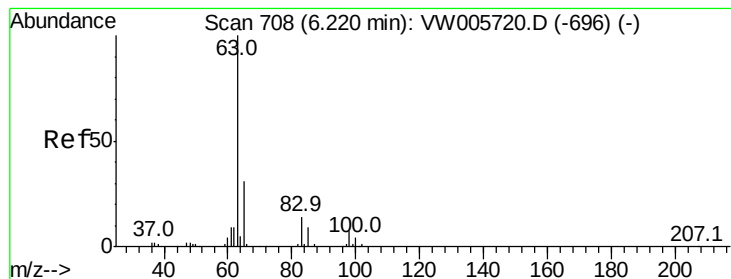
Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.2	27.4
57	21.9	17.5	26.3



#18
trans-1,2-Dichloroethene
Concen: 50.842 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	98.6	183.2
98	68.1	43.7	81.1





#19

1,1-Dichloroethane

Concen: 47.246 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

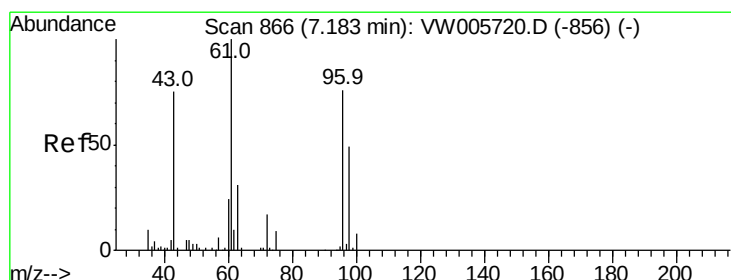
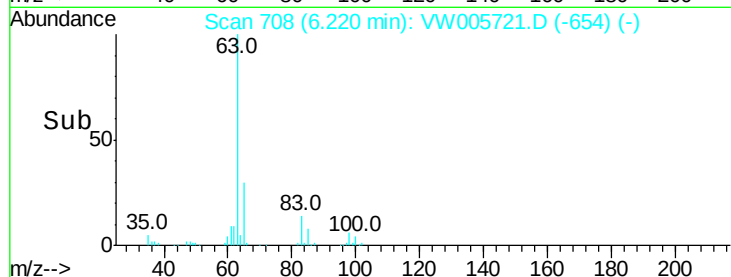
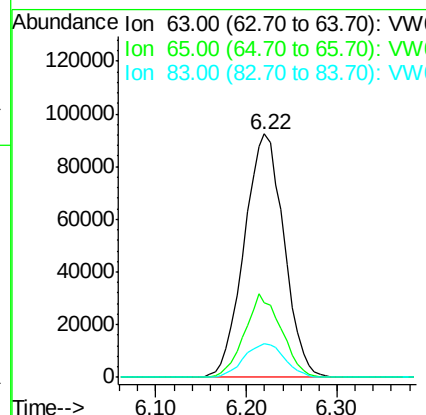
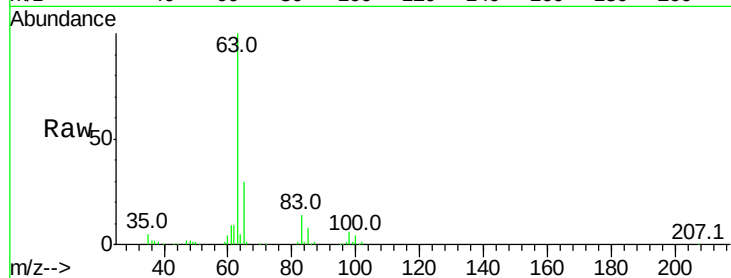
Tgt Ion: 63 Resp: 279843

Ion Ratio Lower Upper

63 100

65 30.4 21.8 40.4

83 13.8 9.7 18.1



#21

2-Butanone

Concen: 85.876 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005721.D

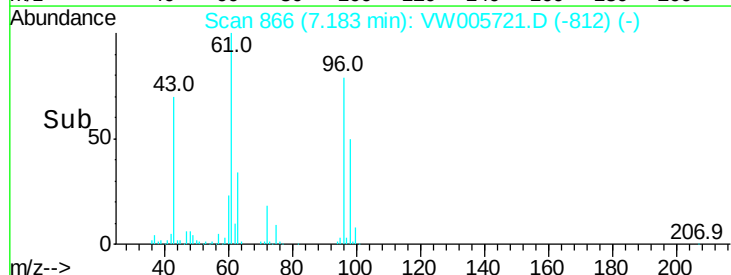
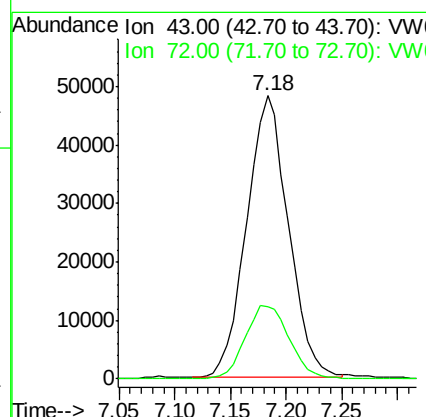
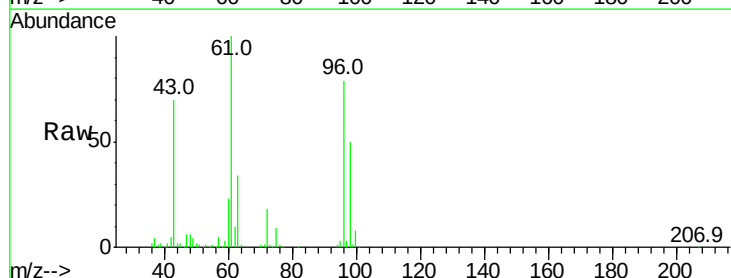
Acq: 28 Sep 2018 14:02

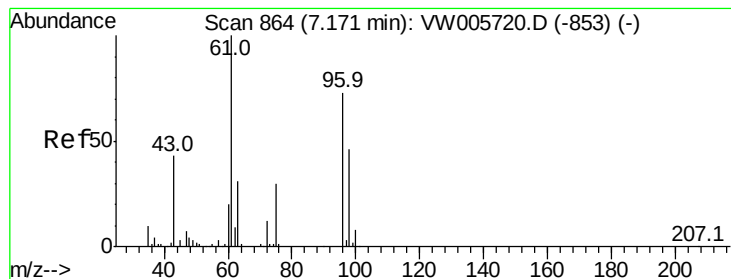
Tgt Ion: 43 Resp: 124907

Ion Ratio Lower Upper

43 100

72 27.8 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 50.129 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

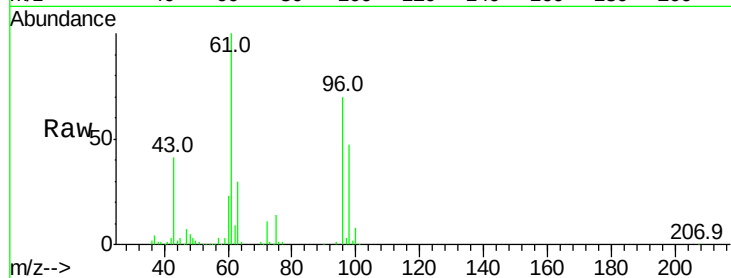
Tgt Ion: 96 Resp: 168811

Ion Ratio Lower Upper

96 100

61 142.7 95.7 177.7

98 66.6 44.1 81.9

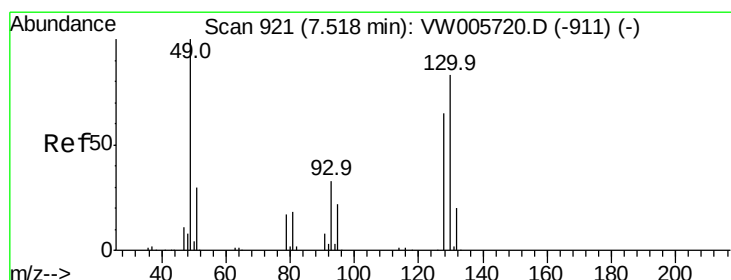
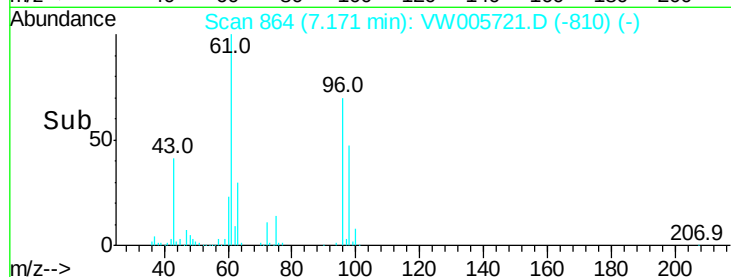
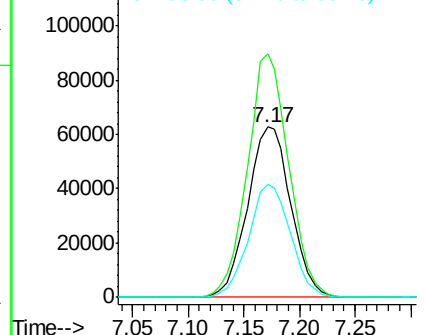


Abundance

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: 52.777 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Tgt Ion: 128 Resp: 79028

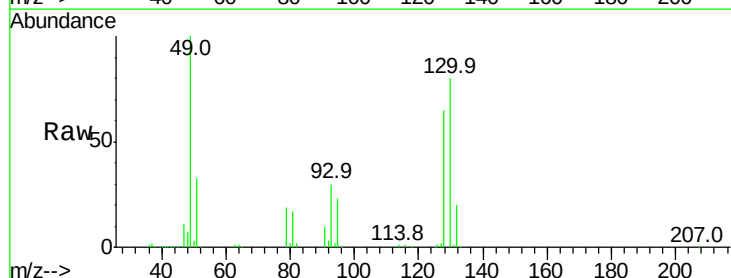
Ion Ratio Lower Upper

128 100

49 153.6 108.1 200.7

130 123.2 89.3 165.9

51 50.2 37.0 55.4



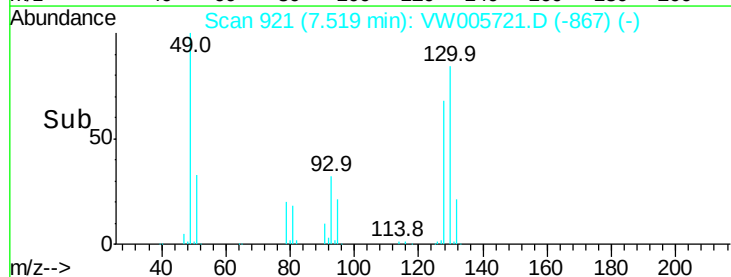
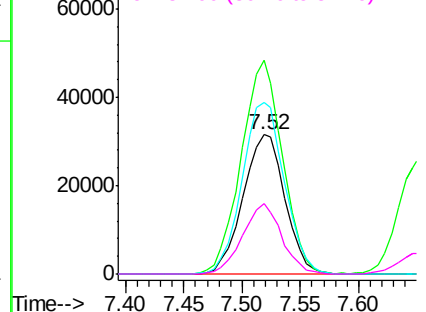
Abundance

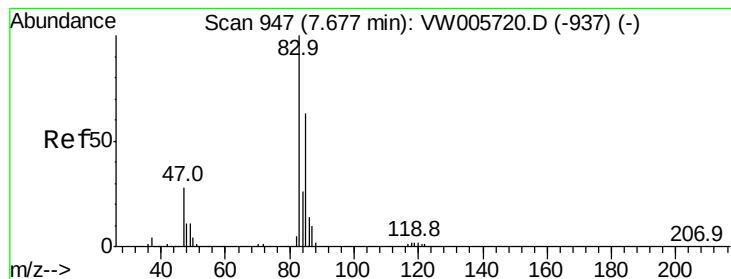
Ion 128.00 (127.70 to 128.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): VW

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 53.669 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampled :

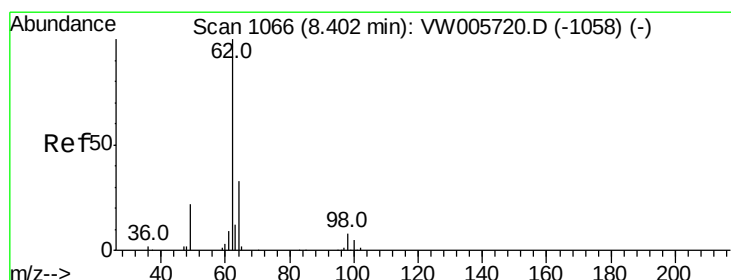
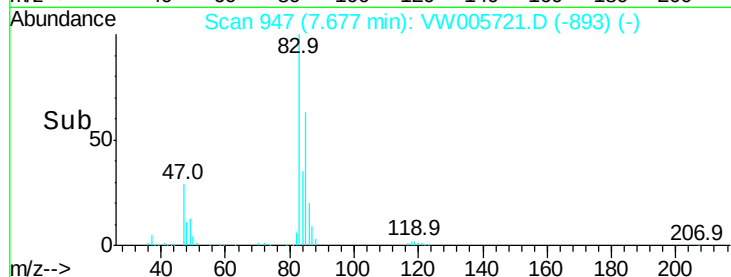
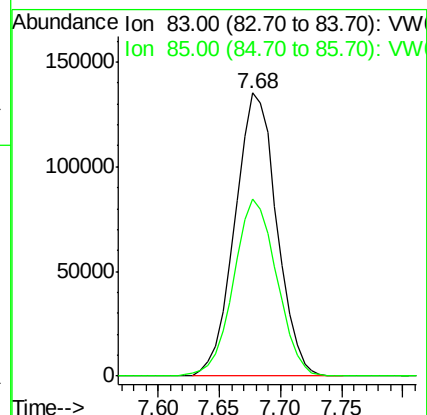
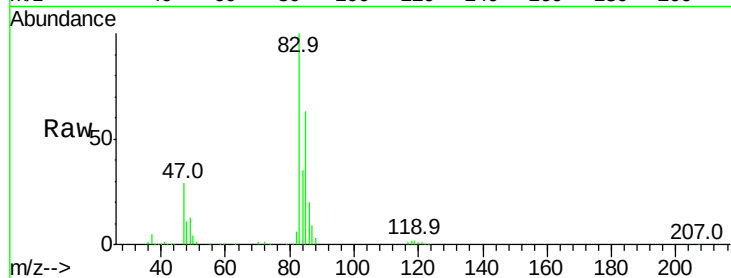
VSTD05083

Tgt Ion: 83 Resp: 320888

Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 53.367 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005721.D

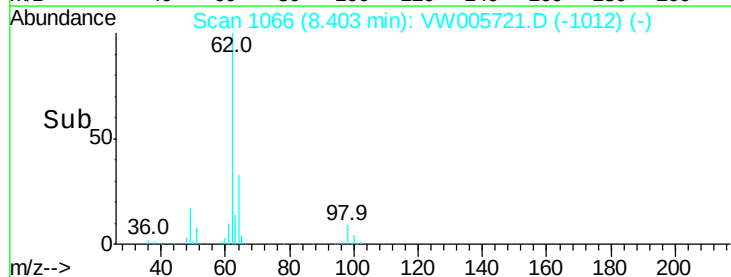
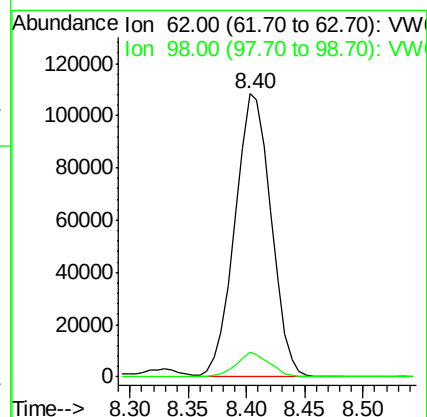
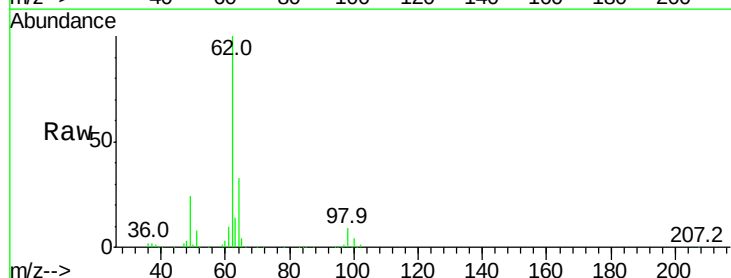
Acq: 28 Sep 2018 14:02

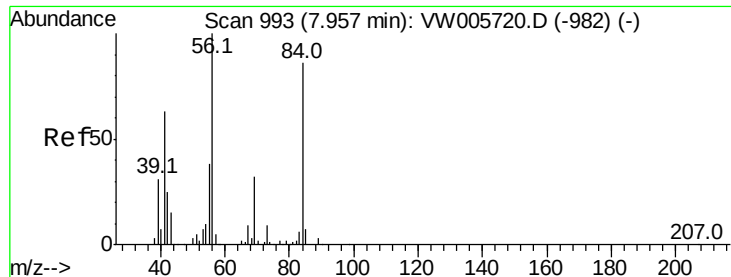
Tgt Ion: 62 Resp: 235438

Ion Ratio Lower Upper

62 100

98 8.6 6.2 9.2

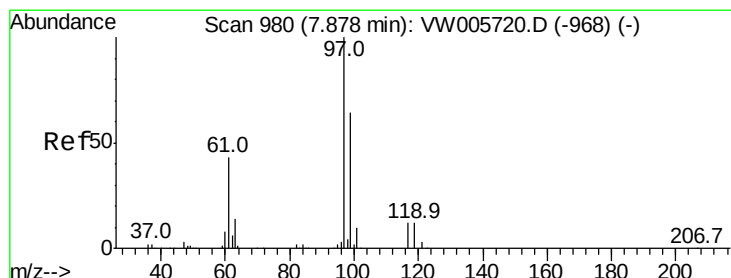
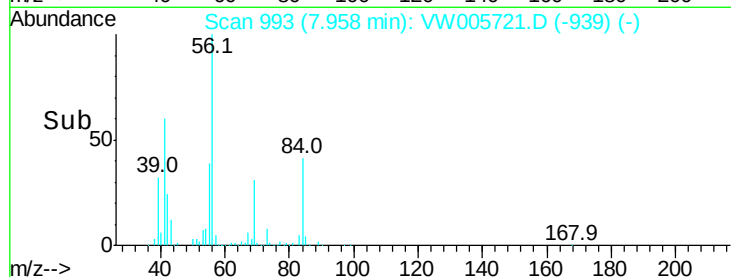
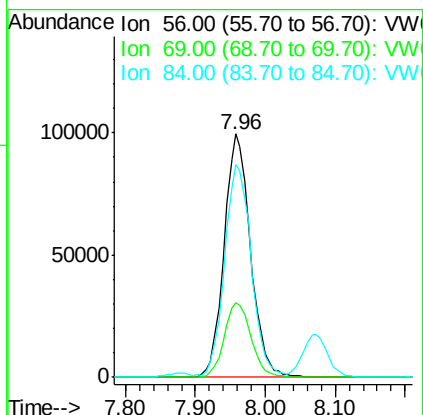
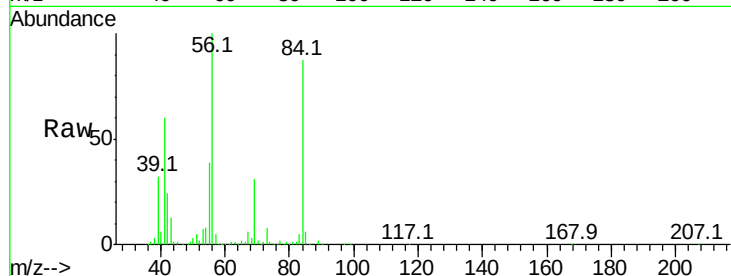




#30
Cyclohexane
Concen: 41.622 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

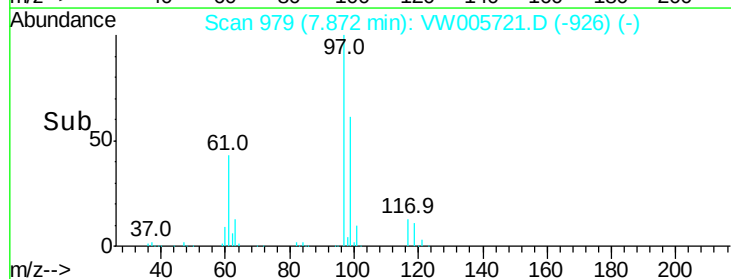
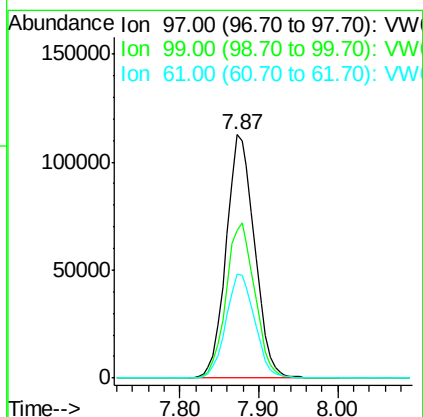
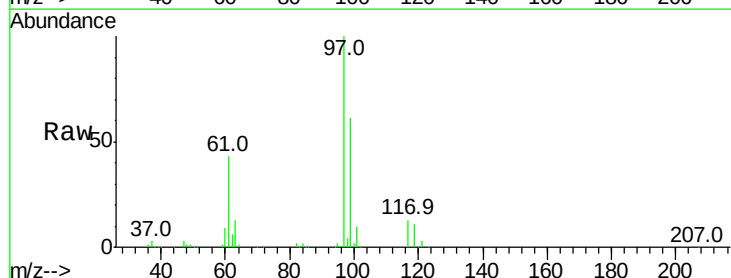
Instrument :
MSVOA_W
ClientSampleId :
VSTD05083

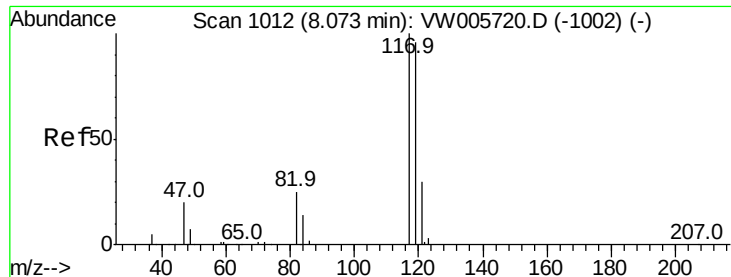
Tgt Ion: 56 Resp: 260122
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 88.7 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 51.515 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

Tgt Ion: 97 Resp: 281799
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 43.5 35.4 53.2





#32

Carbon tetrachloride

Concen: 52.126 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

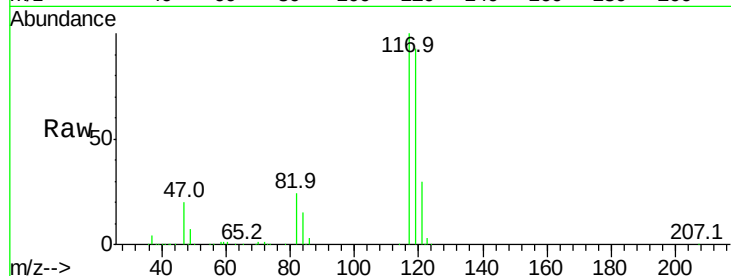
VSTD05083

Tgt Ion:117 Resp: 271648

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

120000

100000

80000

60000

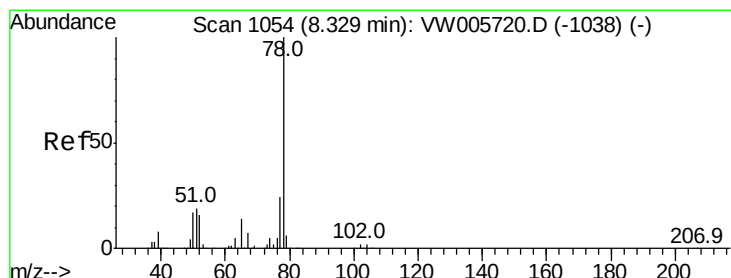
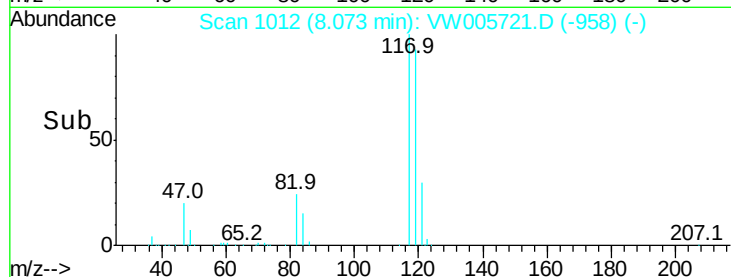
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 44.116 ug/L

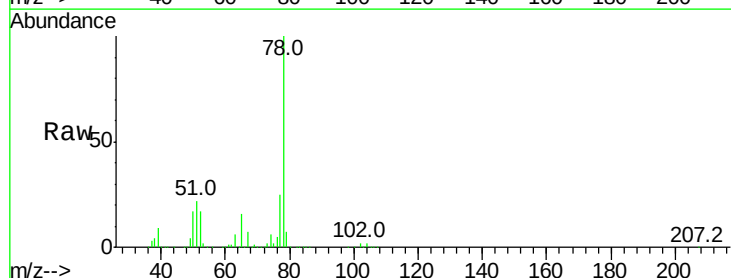
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Tgt Ion: 78 Resp: 637654



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

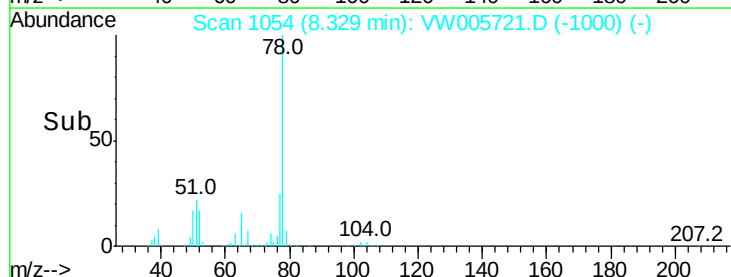
200000

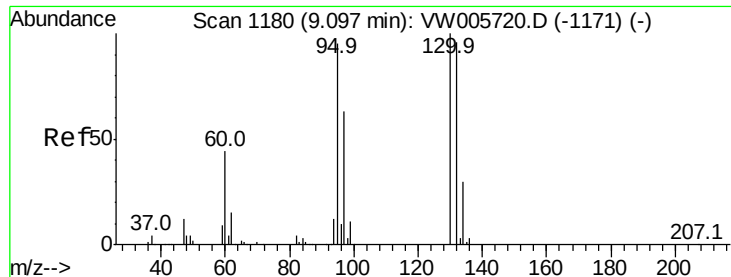
100000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 44.278 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

Tgt Ion: 95 Resp: 165538

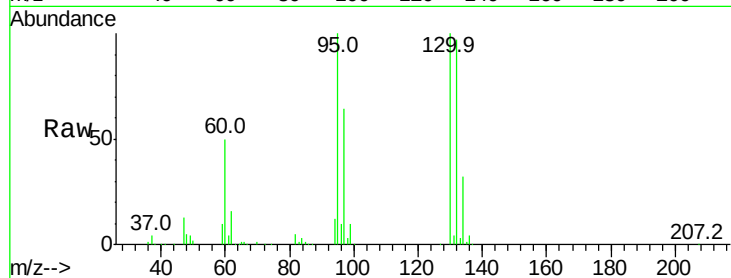
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 98.2 68.0 126.4

130 101.6 71.3 132.5

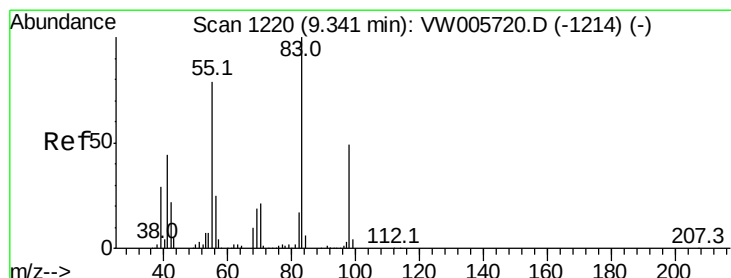
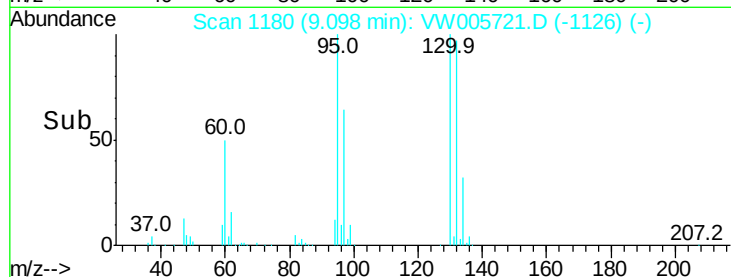
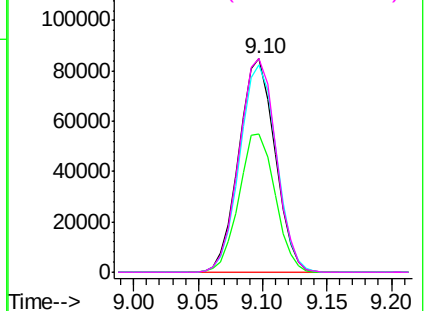


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 43.889 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

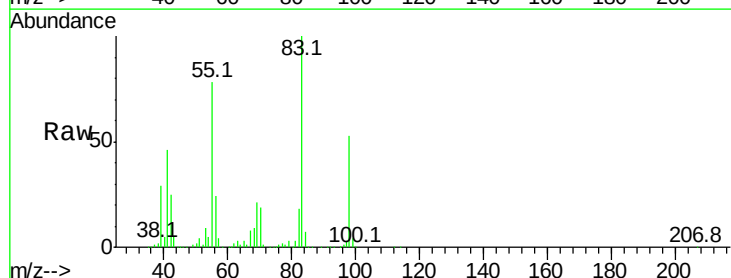
Tgt Ion: 83 Resp: 294129

Ion Ratio Lower Upper

83 100

55 80.0 62.5 93.7

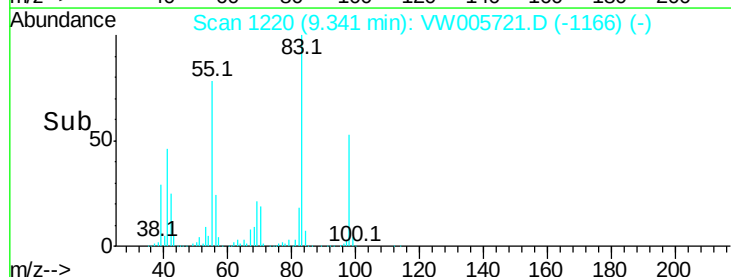
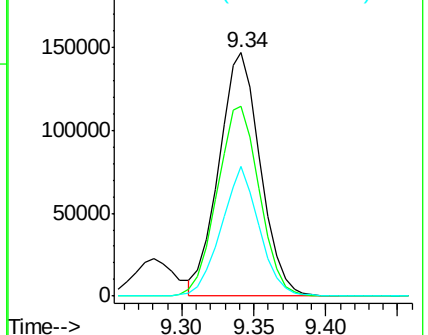
98 48.8 37.7 56.5

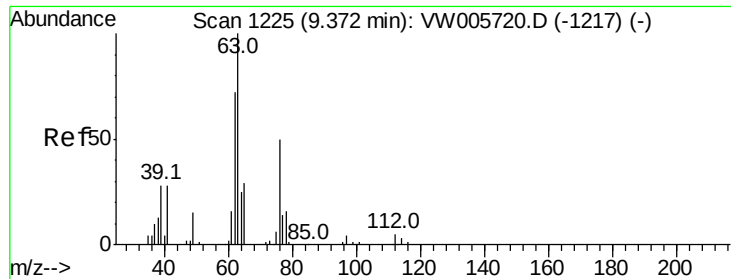


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

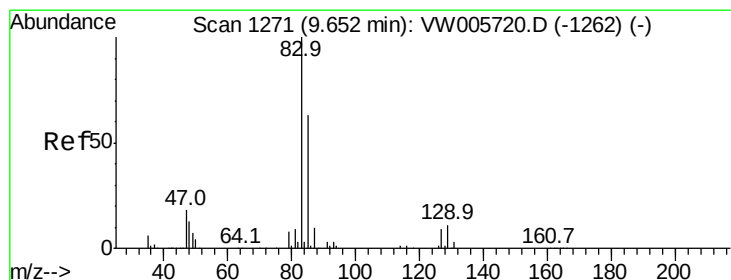
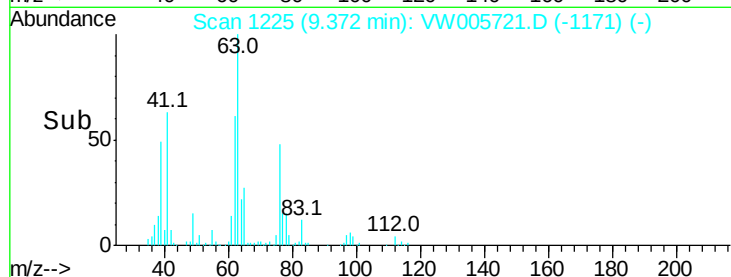
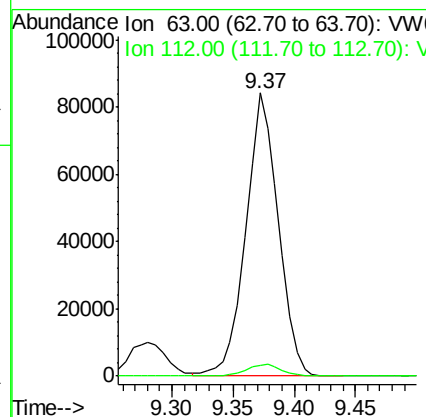
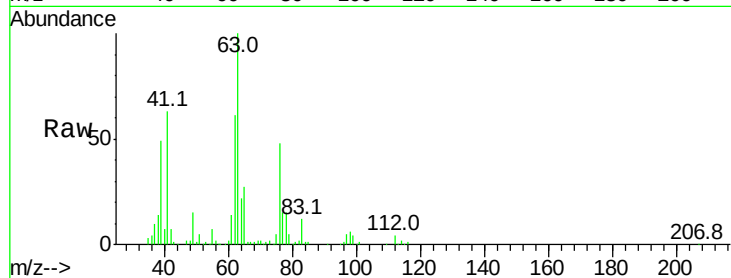




#40
 1,2-Dichloropropane
 Concen: 41.251 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

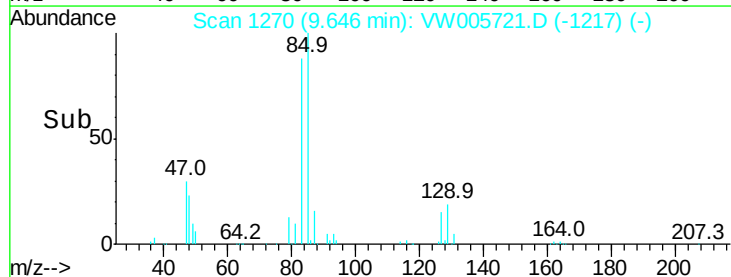
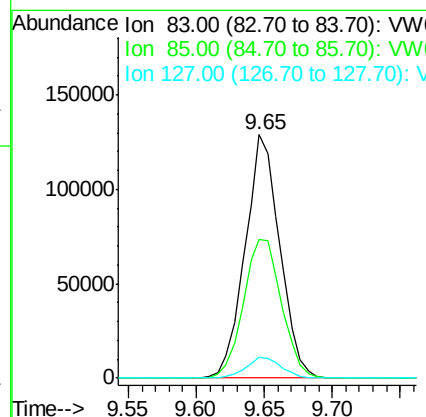
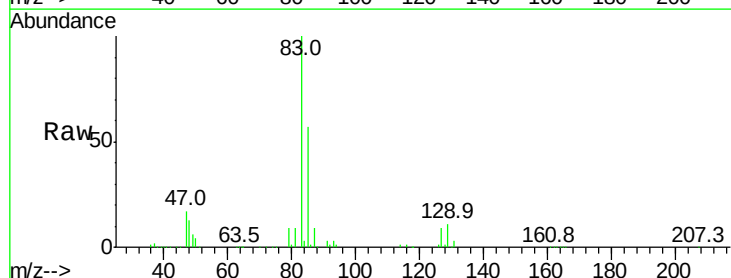
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05083

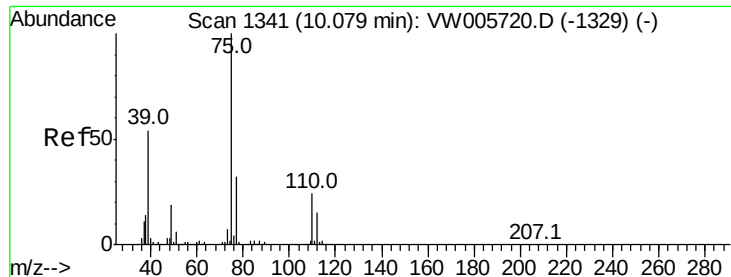
Tgt Ion: 63 Resp: 154812
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 49.694 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

Tgt Ion: 83 Resp: 229949
 Ion Ratio Lower Upper
 83 100
 85 57.1 44.1 81.9
 127 8.8 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 51.377 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

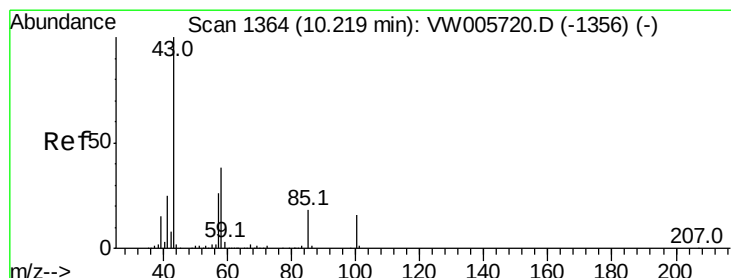
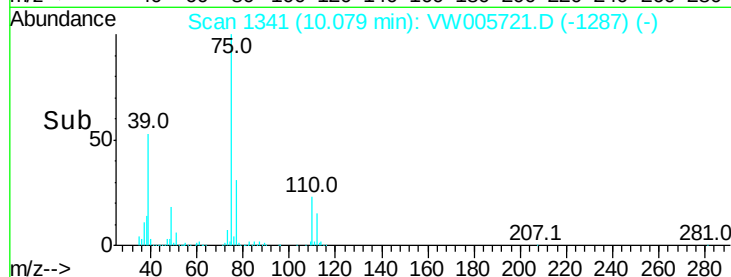
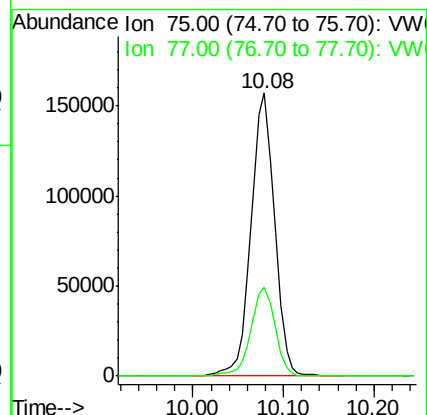
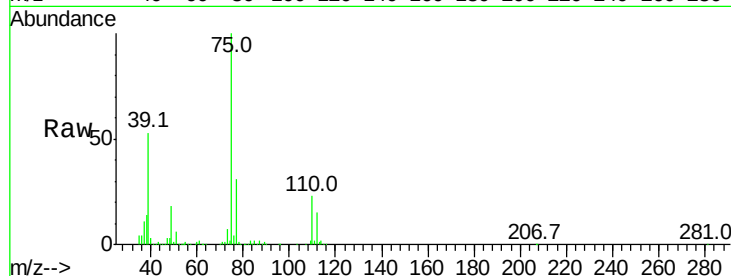
VSTD05083

Tgt Ion: 75 Resp: 283491

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 97.903 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

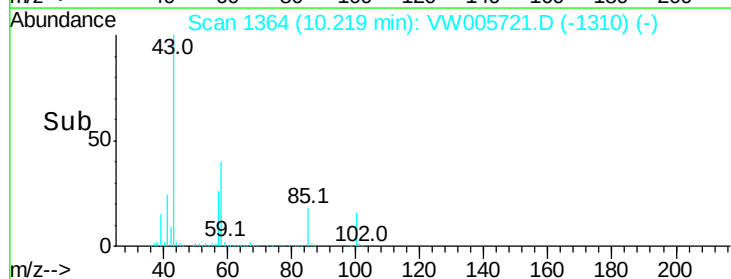
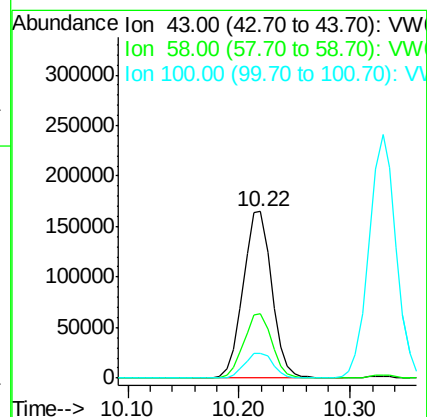
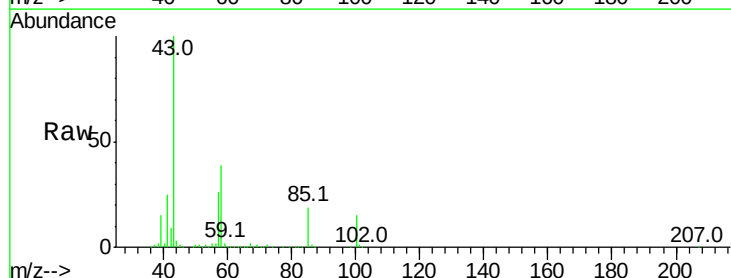
Tgt Ion: 43 Resp: 294709

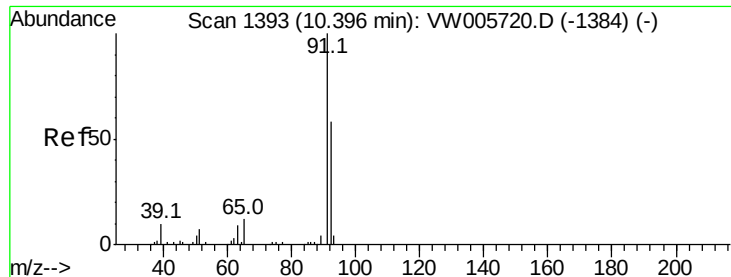
Ion Ratio Lower Upper

43 100

58 38.1 29.8 44.8

100 15.2 12.2 18.4





#44

Toluene

Concen: 50.338 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

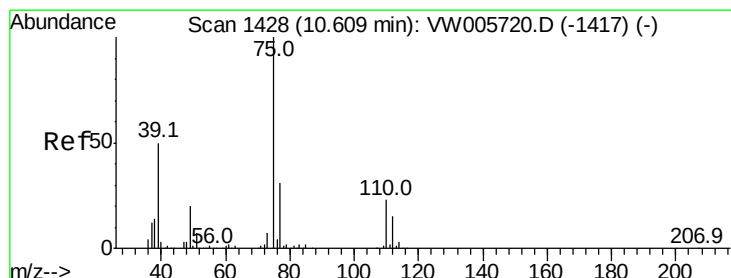
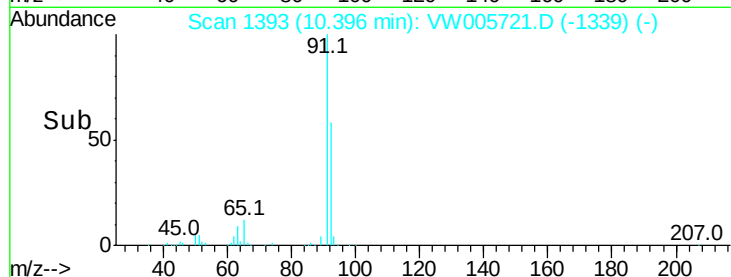
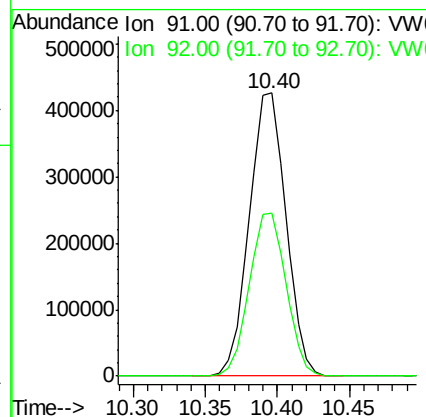
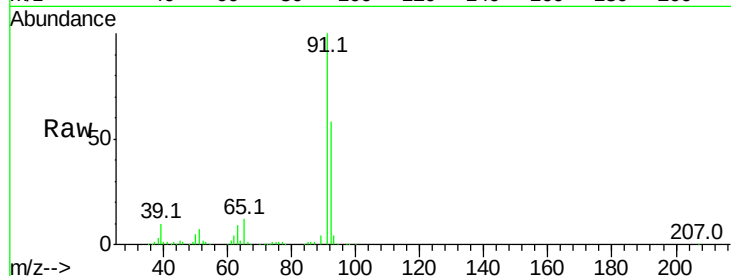
VSTD05083

Tgt Ion: 91 Resp: 752366

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 52.838 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005721.D

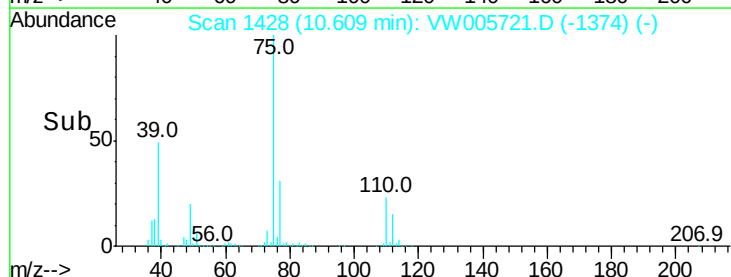
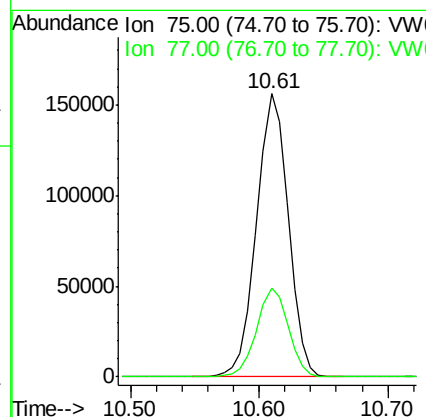
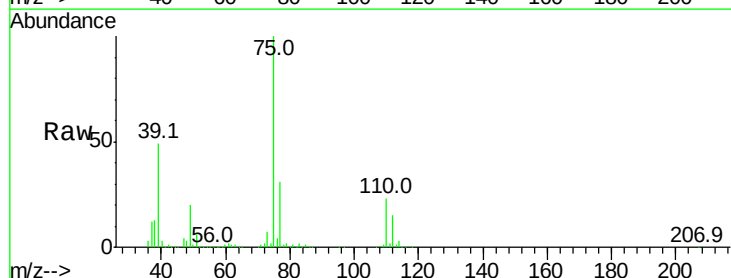
Acq: 28 Sep 2018 14:02

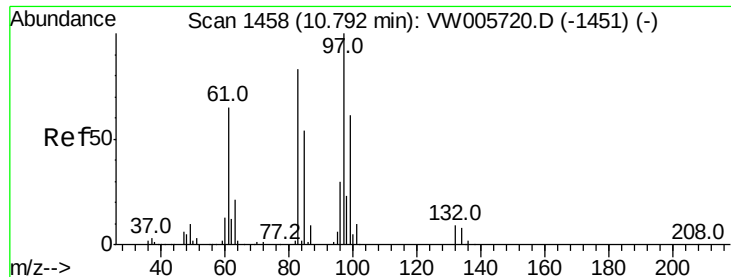
Tgt Ion: 75 Resp: 266190

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 49.716 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

Tgt Ion: 97 Resp: 138311

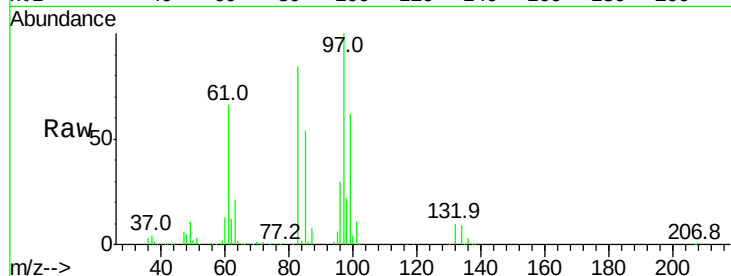
Ion Ratio Lower Upper

97 100

83 83.7 58.3 108.3

85 54.0 38.0 70.6

99 61.6 42.8 79.4



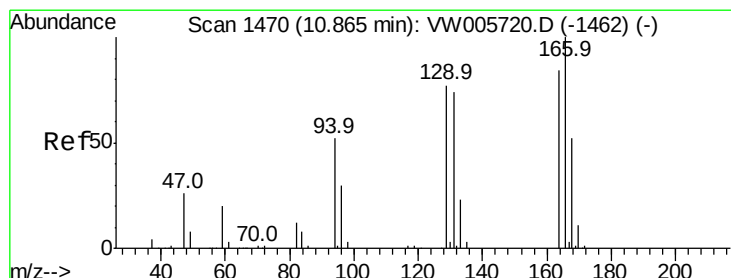
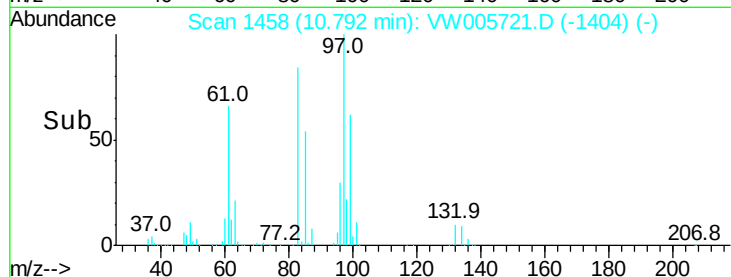
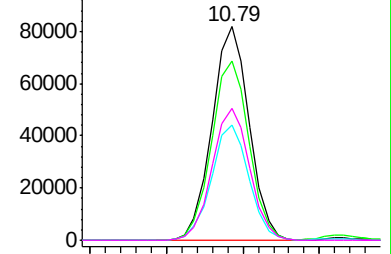
Abundance

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: 51.458 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Tgt Ion: 164 Resp: 156857

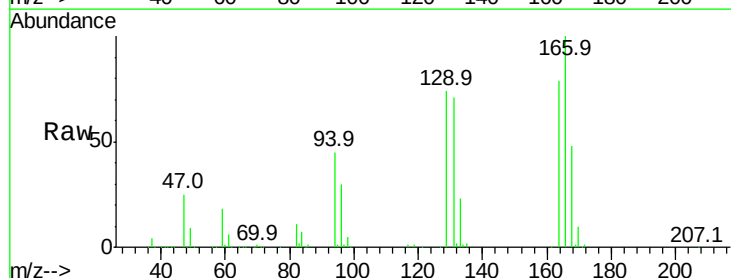
Ion Ratio Lower Upper

164 100

129 93.7 63.8 118.4

131 90.4 61.5 114.3

166 127.3 83.2 154.6



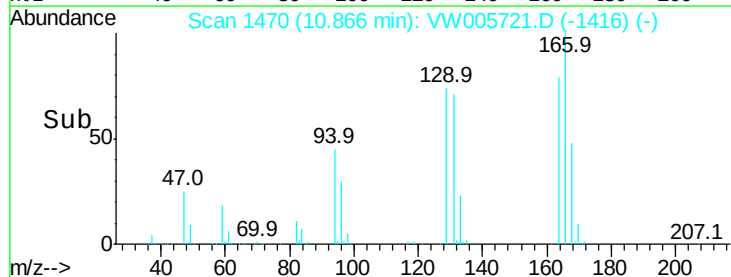
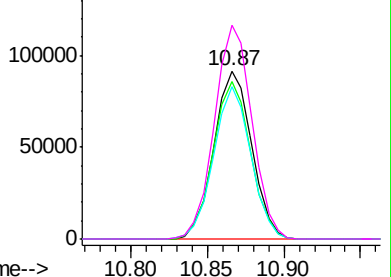
Abundance

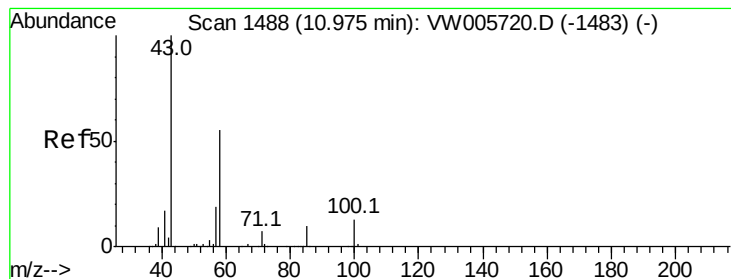
Ion 164.00 (163.70 to 164.70): V

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: 100.746 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampled :

VSTD05083

Tgt Ion: 43 Resp: 219141

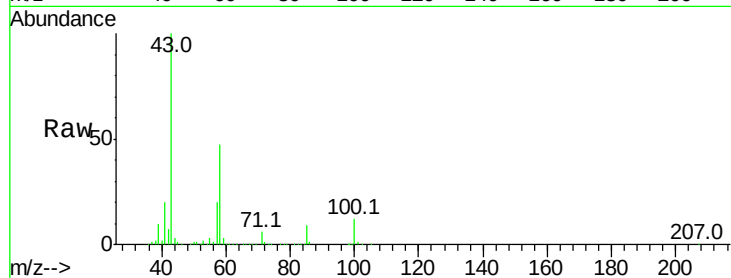
Ion Ratio Lower Upper

43 100

58 50.7 42.0 63.0

57 20.0 15.7 23.5

100 11.7 9.7 14.5

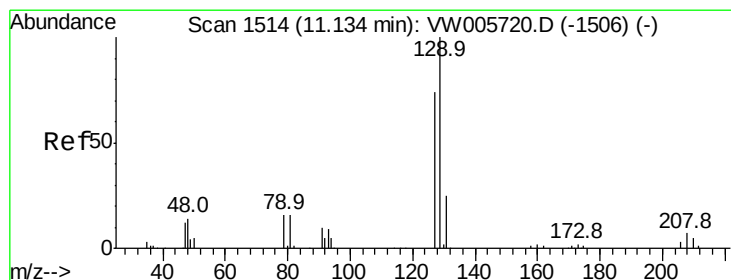
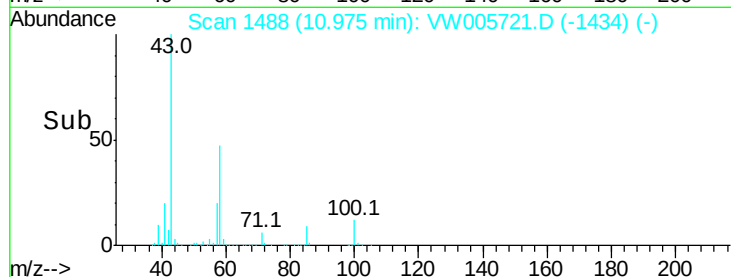
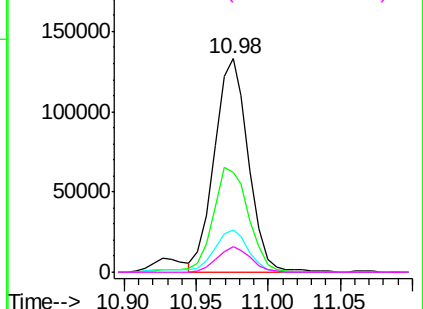


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 53.681 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005721.D

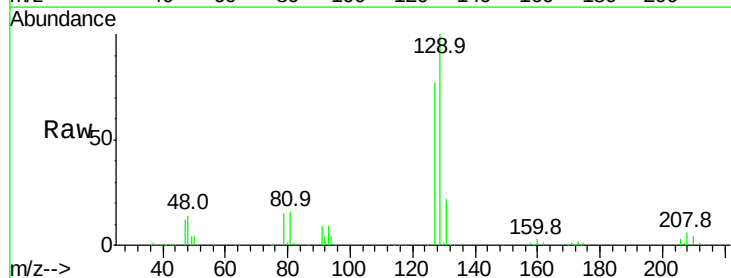
Acq: 28 Sep 2018 14:02

Tgt Ion: 129 Resp: 175627

Ion Ratio Lower Upper

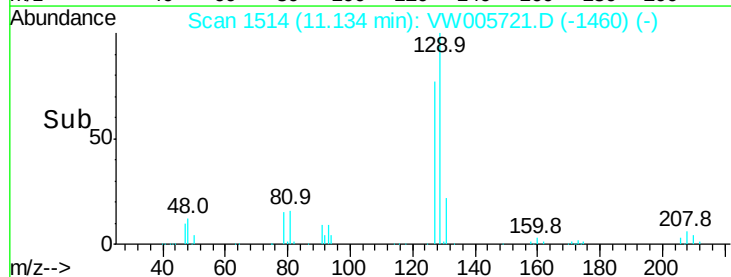
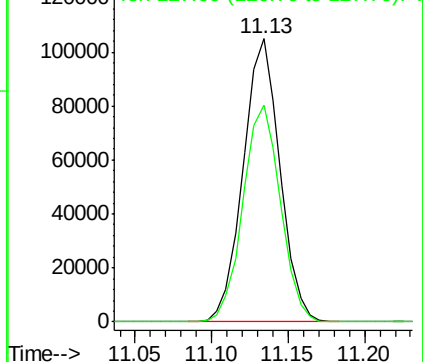
129 100

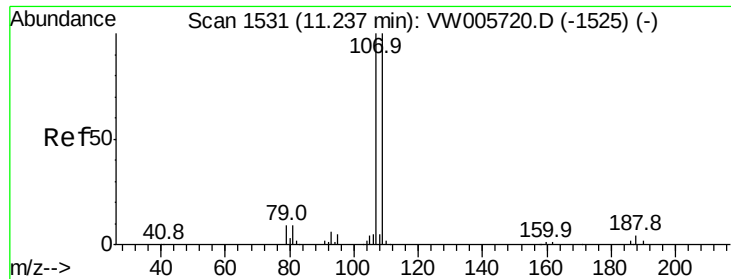
127 76.5 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

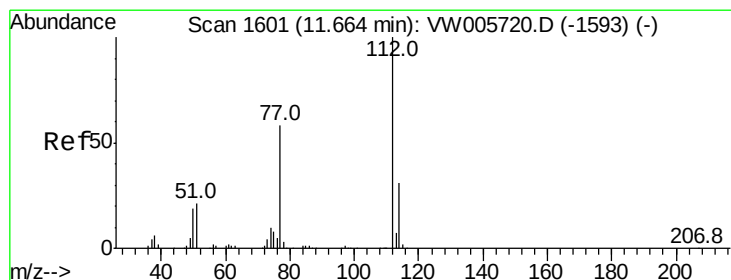
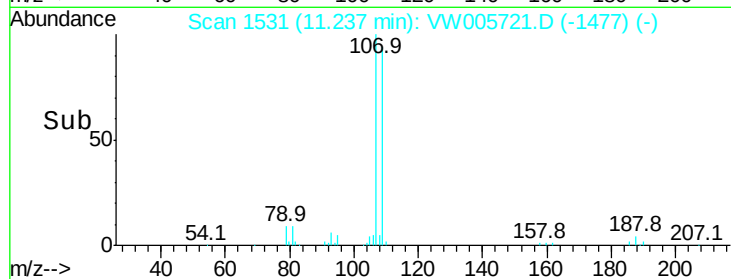
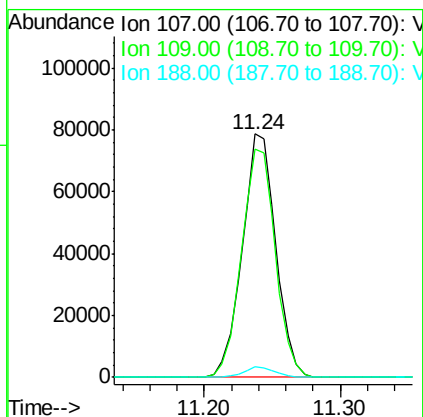
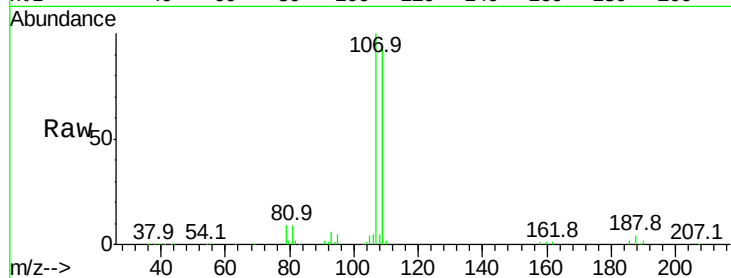




#51
 1,2-Dibromoethane
 Concen: 51.325 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

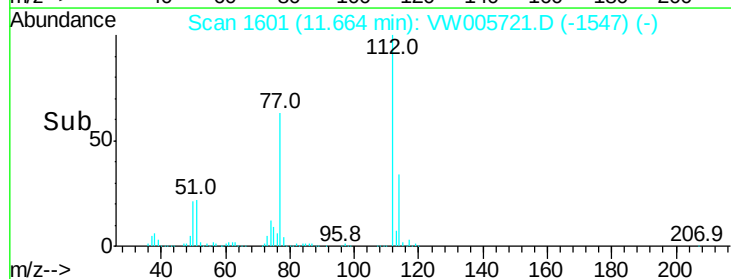
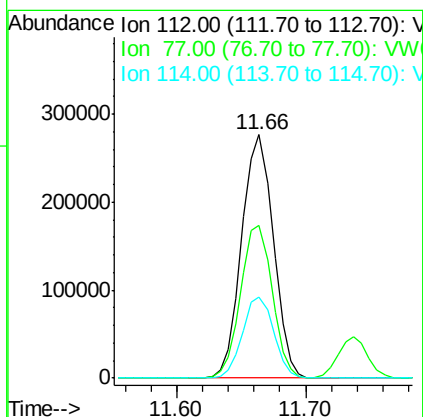
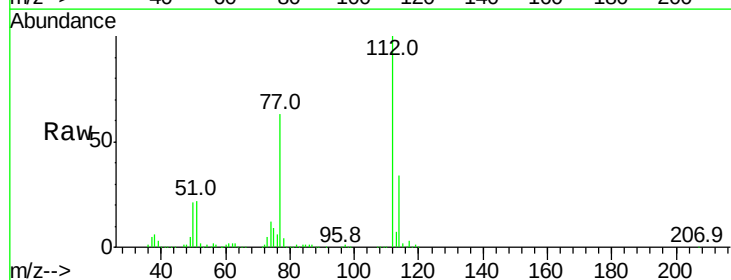
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05083

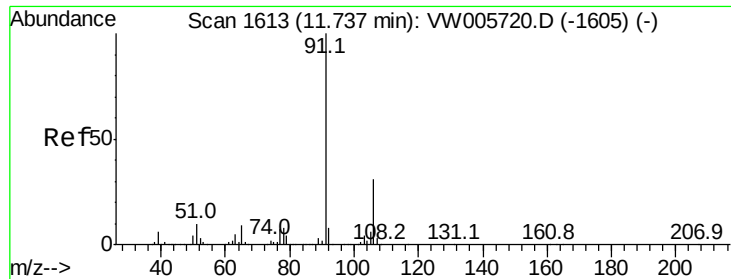
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	70.1	130.3
188	4.2	3.4	5.2



#52
 Chlorobenzene
 Concen: 48.738 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.9	46.7	70.1
114	33.6	21.8	40.6

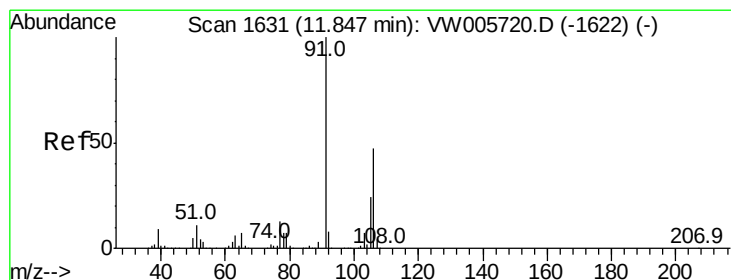
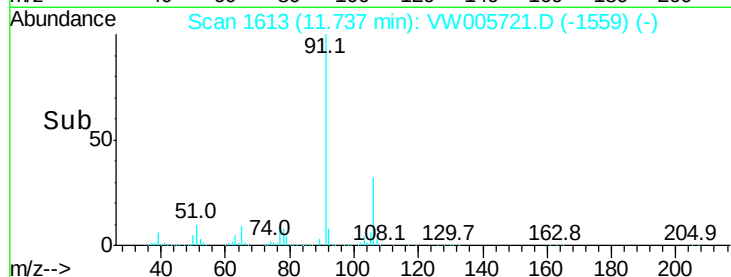
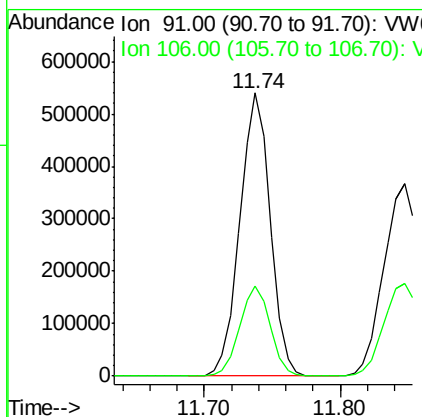
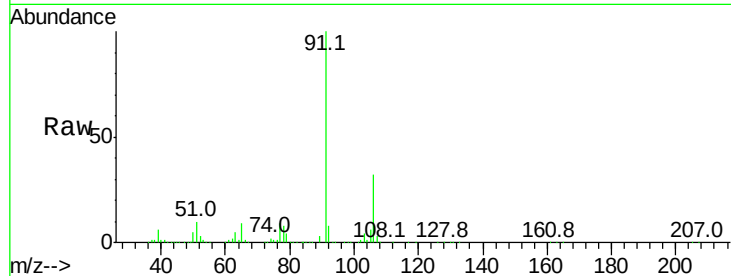




#53
Ethylbenzene
Concen: 48.525 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

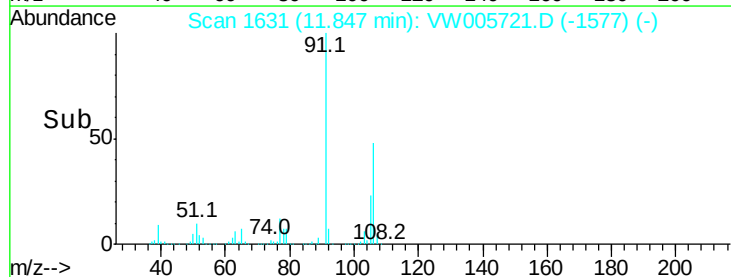
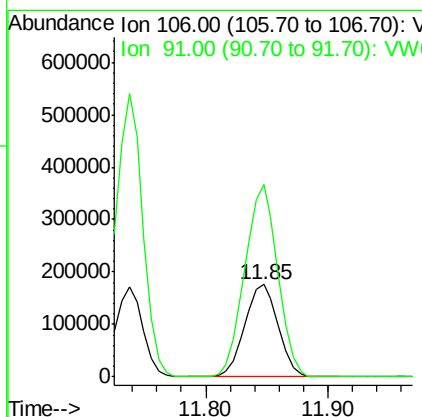
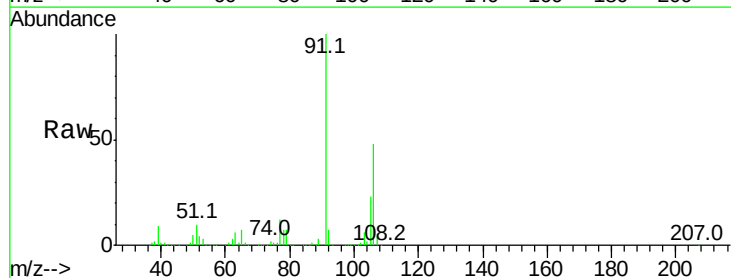
Instrument :
MSVOA_W
ClientSampled :
VSTD05083

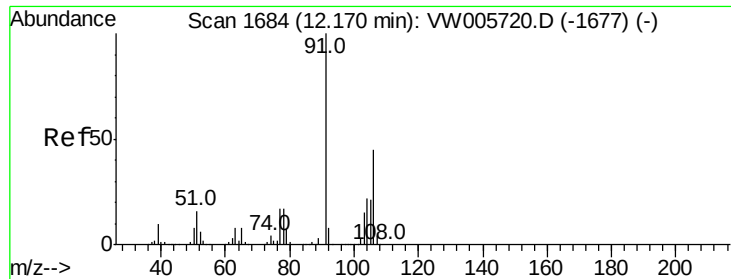
Tgt Ion: 91 Resp: 842327
Ion Ratio Lower Upper
91 100
106 31.9 21.5 39.9



#54
m,p-Xylene
Concen: 52.140 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005721.D
Acq: 28 Sep 2018 14:02

Tgt Ion: 106 Resp: 332308
Ion Ratio Lower Upper
106 100
91 209.0 147.7 274.3





#55

o-xylene

Concen: 52.367 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

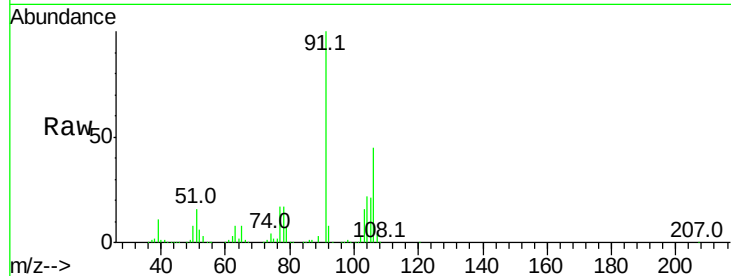
VSTD05083

Tgt Ion:106 Resp: 315895

Ion Ratio Lower Upper

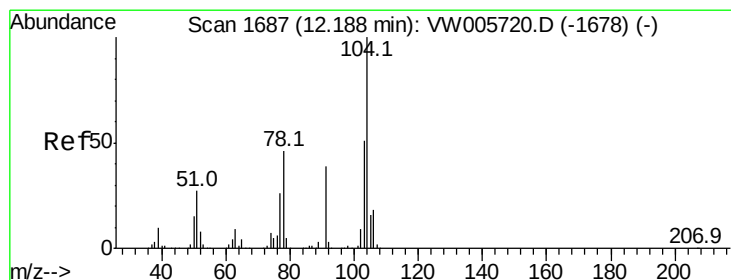
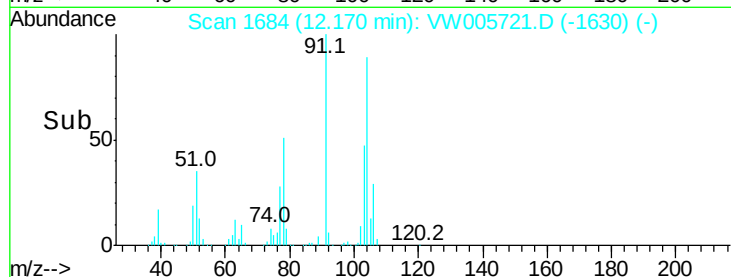
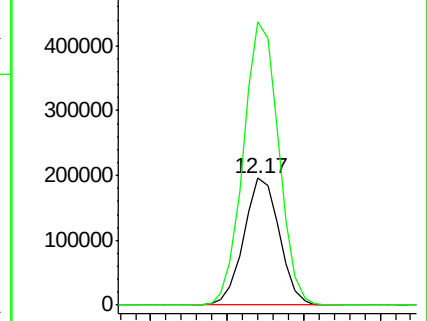
106 100

91 222.7 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 53.618 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005721.D

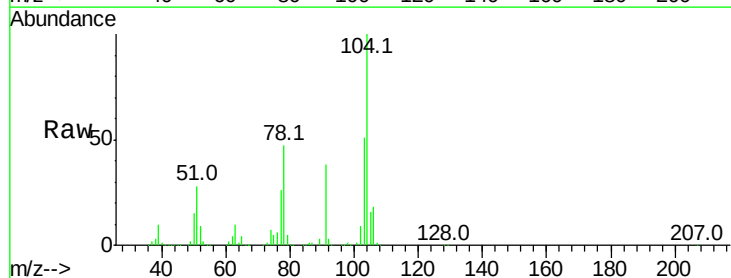
Acq: 28 Sep 2018 14:02

Tgt Ion:104 Resp: 556420

Ion Ratio Lower Upper

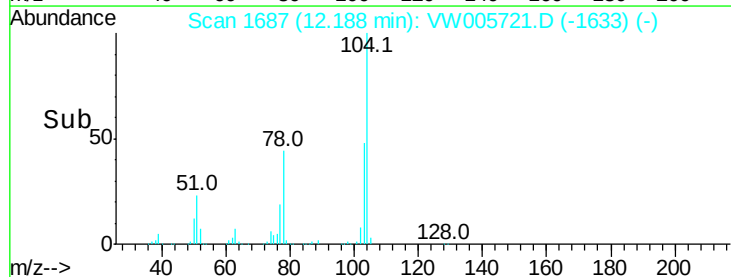
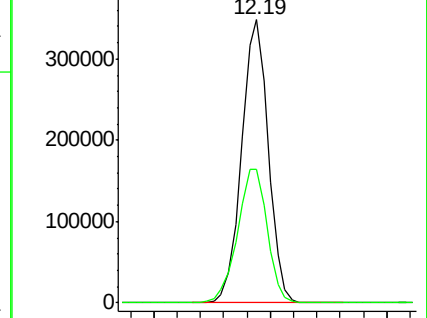
104 100

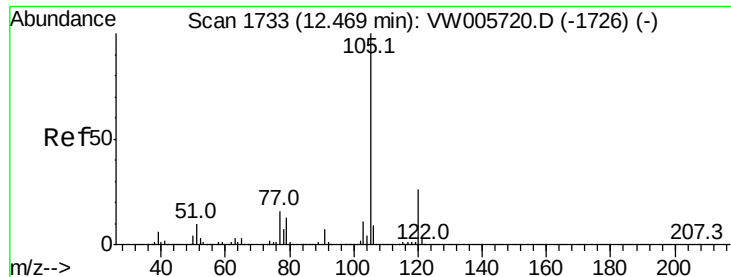
78 47.4 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 53.954 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

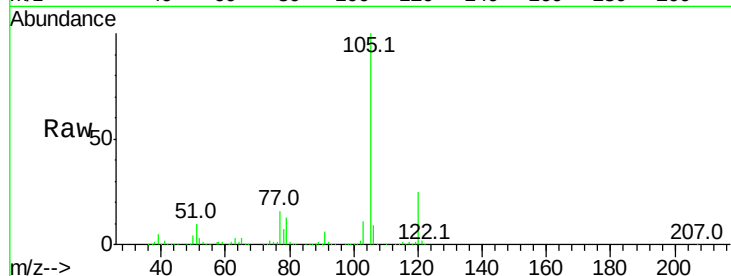
Tgt Ion: 105 Resp: 911035

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

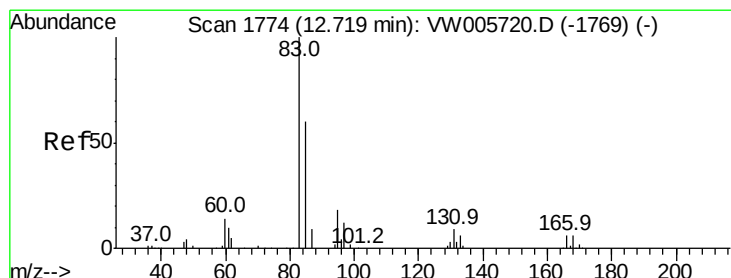
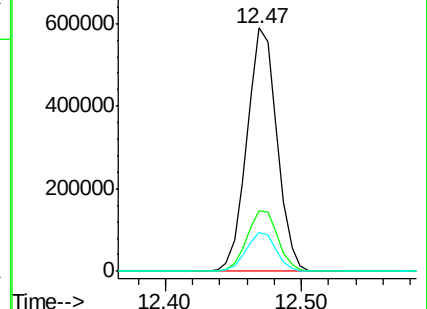
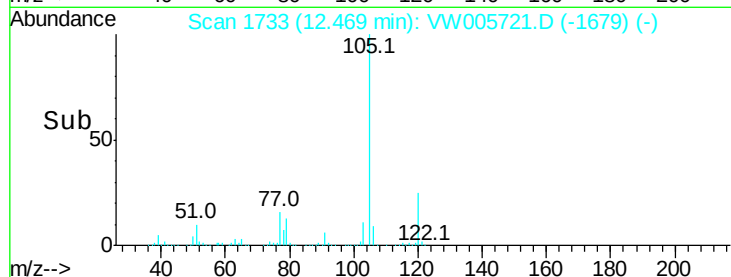
77 16.0 13.0 19.6



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: 48.763 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

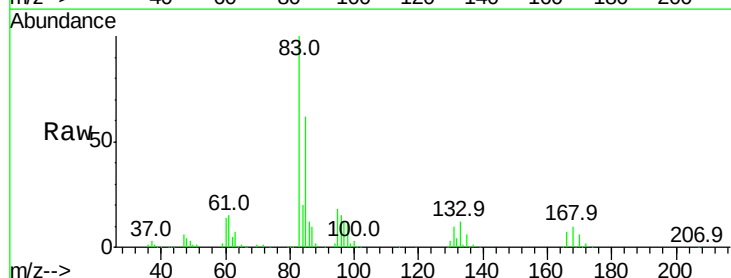
Tgt Ion: 83 Resp: 184482

Ion Ratio Lower Upper

83 100

85 61.8 43.0 80.0

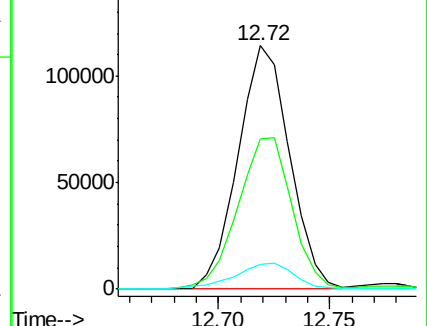
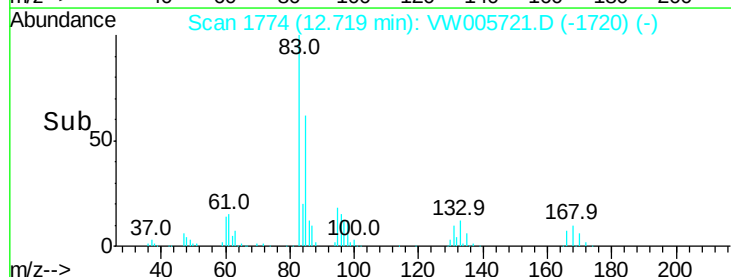
131 10.2 8.0 12.0

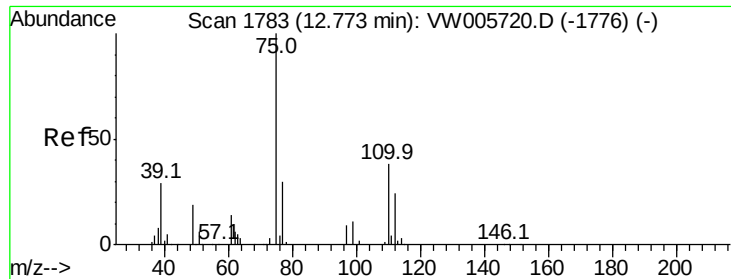


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

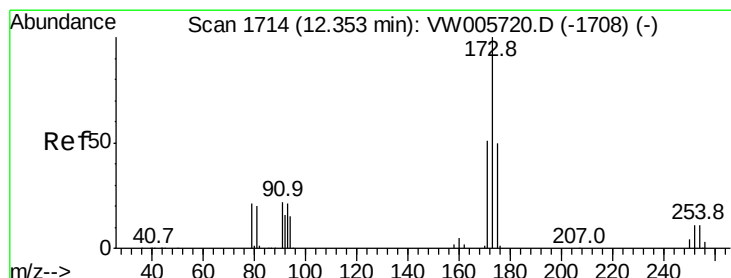
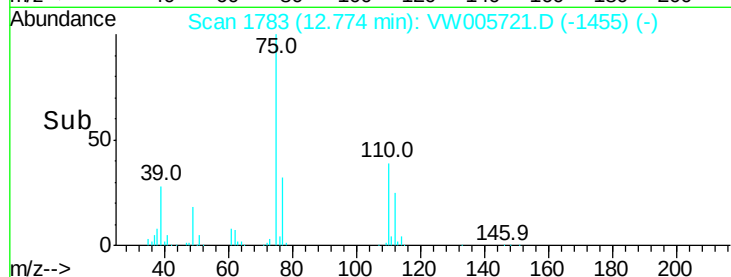
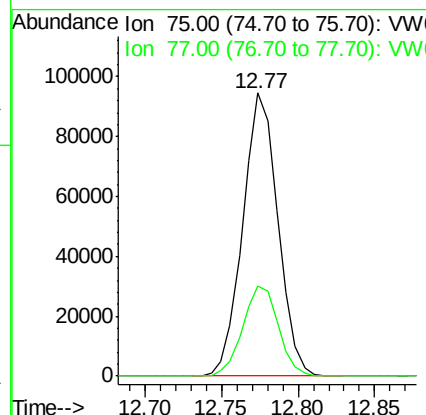
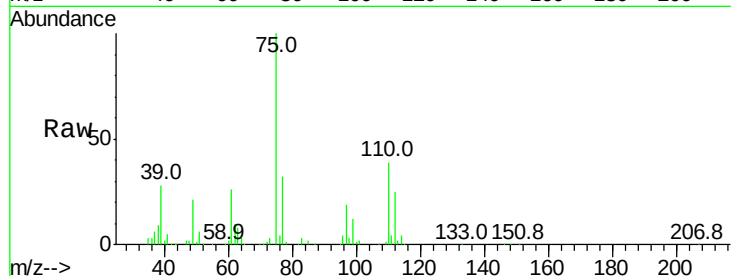




#59
 1,2,3-Trichloropropane
 Concen: 49.881 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

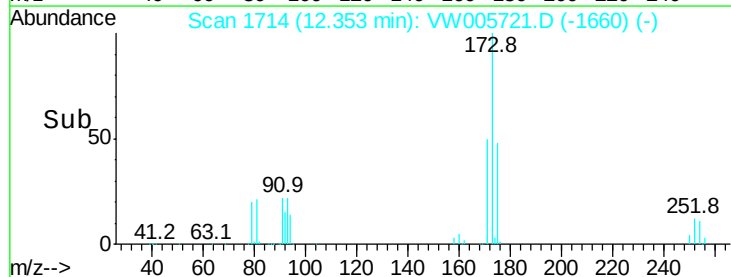
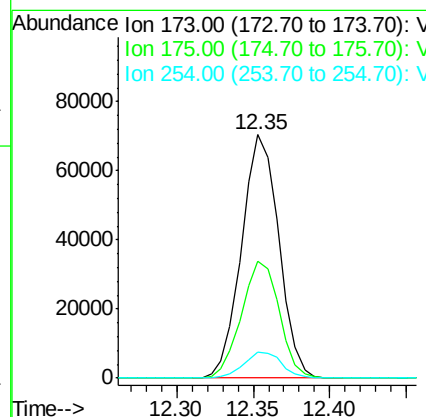
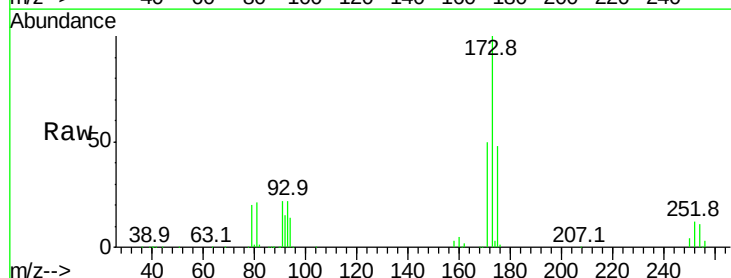
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05083

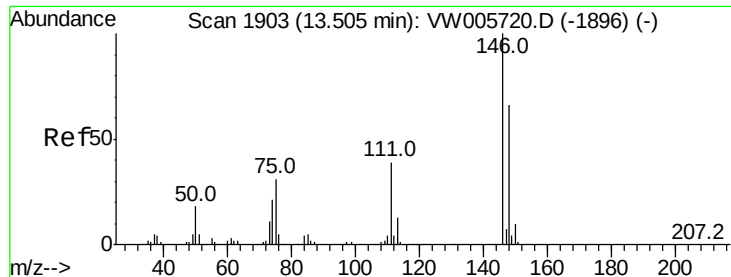
Tgt Ion: 75 Resp: 150517
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.2 37.8



#62
 Bromoform
 Concen: 54.078 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

Tgt Ion: 173 Resp: 119523
 Ion Ratio Lower Upper
 173 100
 175 48.7 40.0 60.0
 254 10.8 8.6 13.0

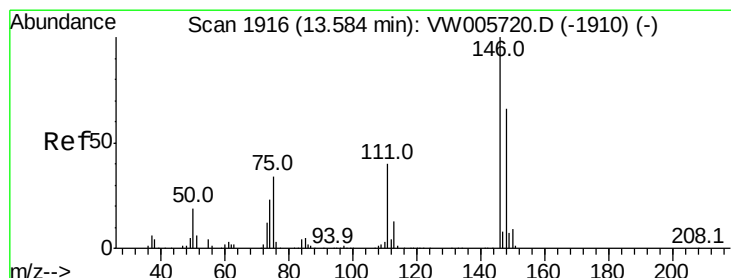
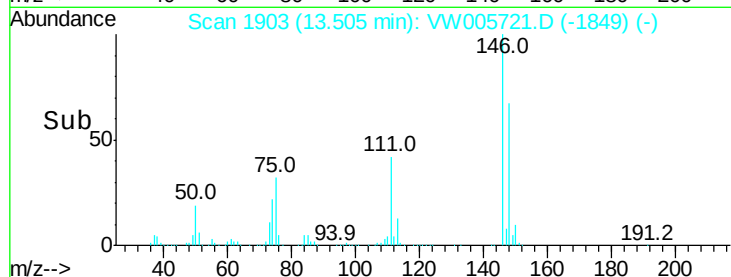
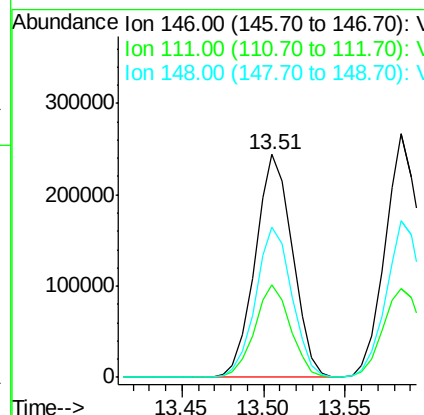
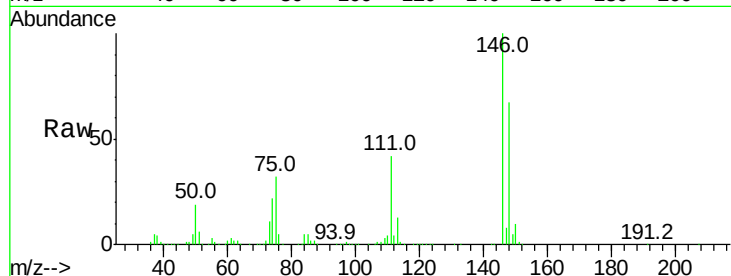




#63
 1,3-Dichlorobenzene
 Concen: 48.322 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

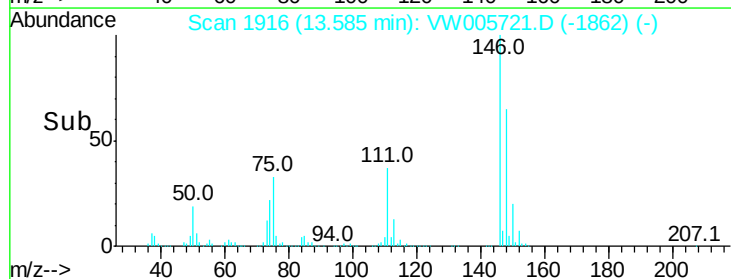
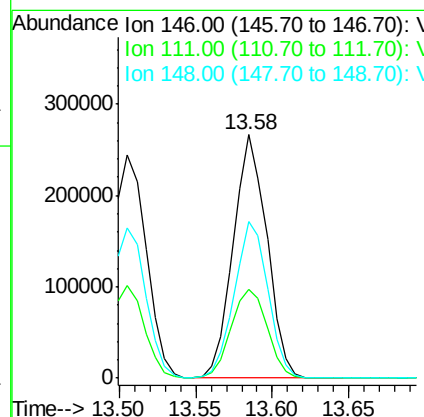
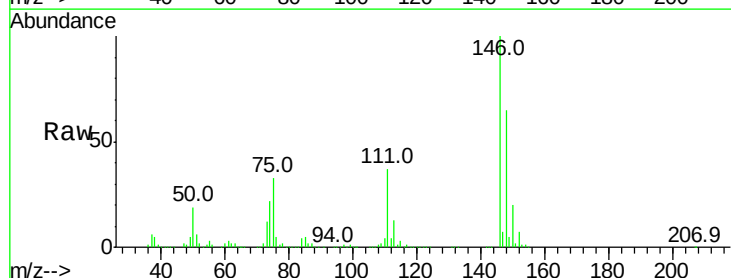
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05083

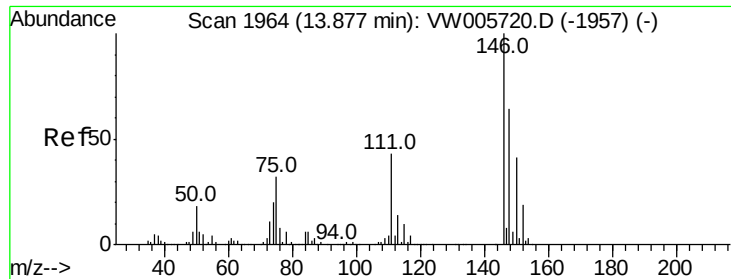
Tgt Ion:146 Resp: 389353
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.2 50.6
 148 67.3 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 49.315 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

Tgt Ion:146 Resp: 408022
 Ion Ratio Lower Upper
 146 100
 111 36.7 28.4 52.8
 148 64.5 46.3 86.1

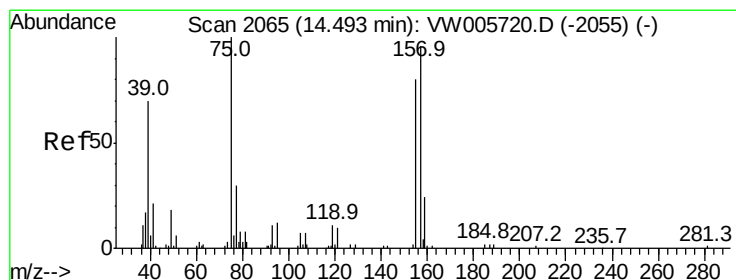
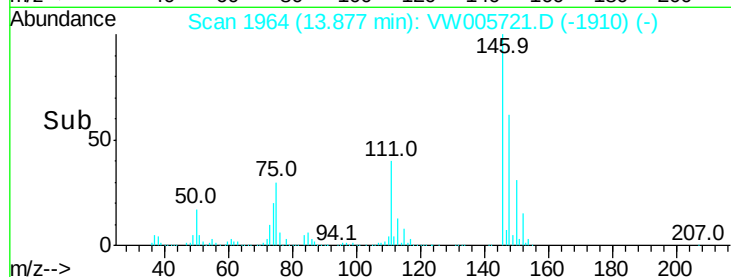
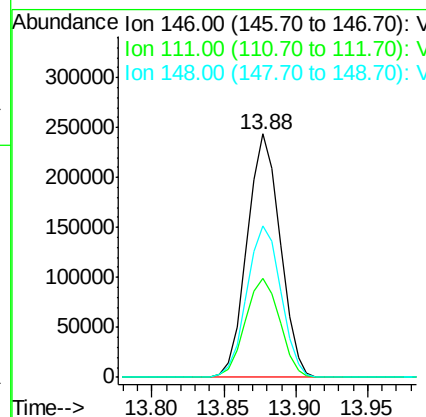
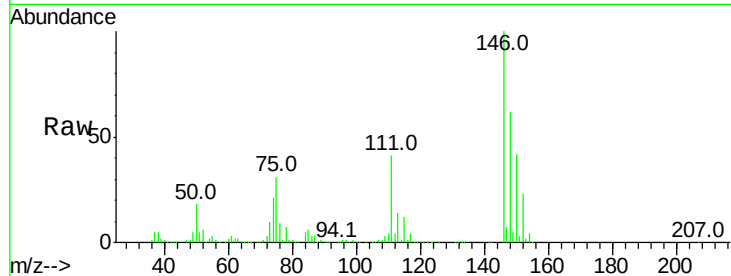




#65
 1,2-Dichlorobenzene
 Concen: 51.120 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

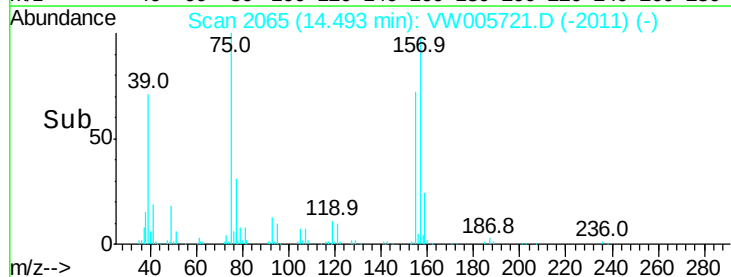
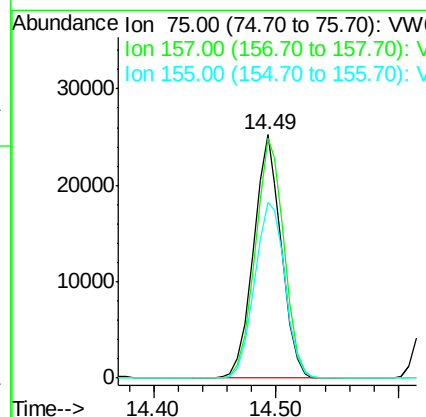
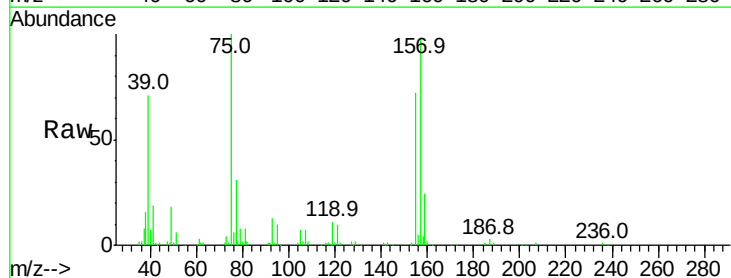
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05083

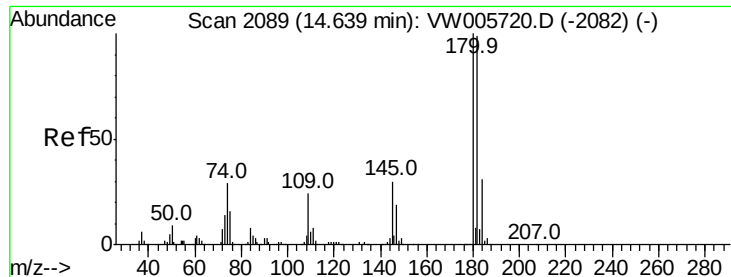
Tgt Ion:146 Resp: 387484
 Ion Ratio Lower Upper
 146 100
 111 40.5 34.6 51.8
 148 62.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.287 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

Tgt Ion: 75 Resp: 39543
 Ion Ratio Lower Upper
 75 100
 157 98.3 76.9 115.3
 155 72.4 64.2 96.2

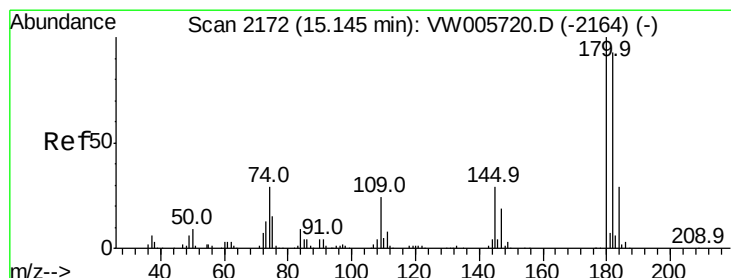
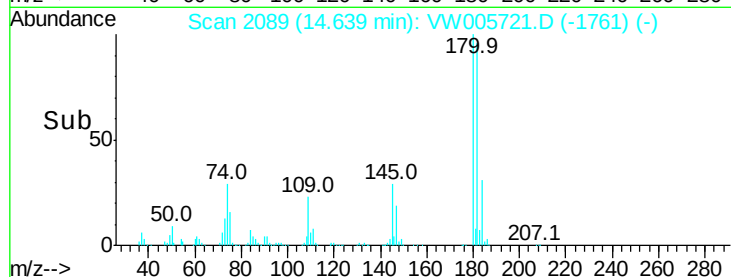
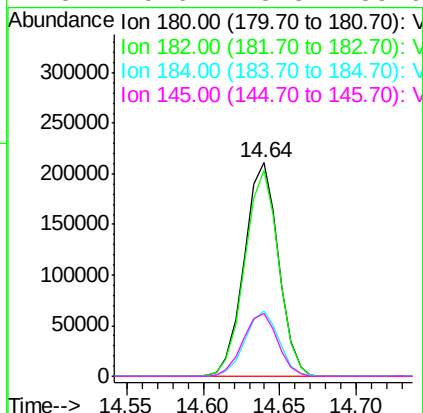
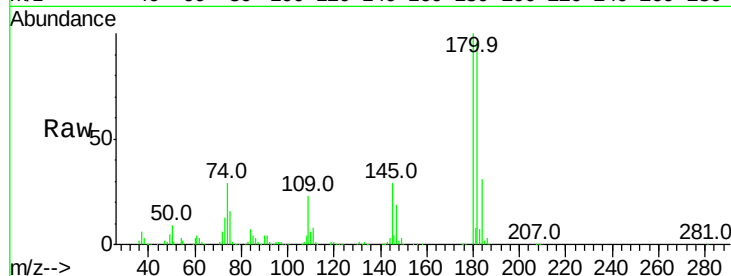




#67
 1,3,5-Trichlorobenzene
 Concen: 51.975 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

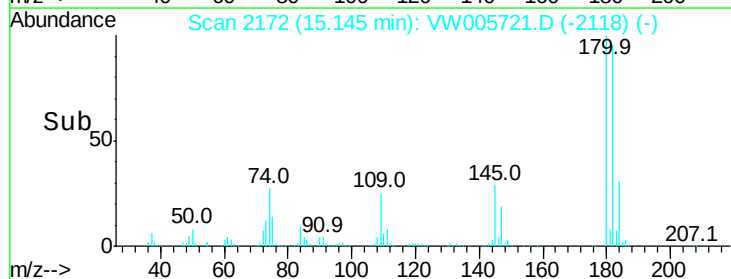
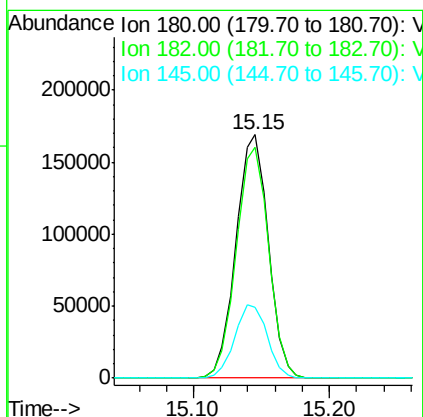
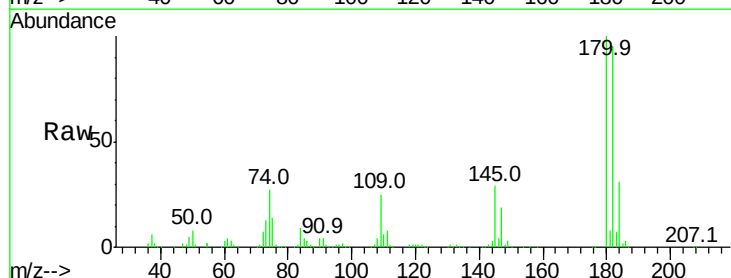
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05083

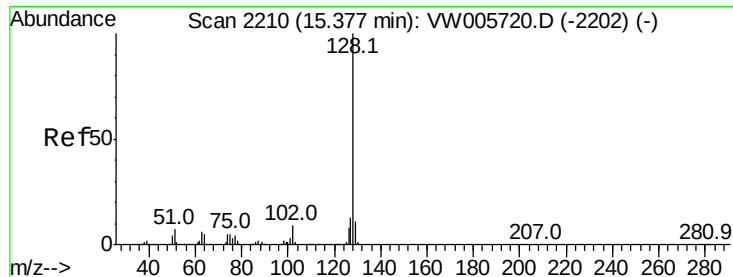
Tgt Ion:	180	Resp:	328057
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.7	116.5
184	30.3	24.6	37.0
145	29.6	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 54.076 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005721.D
 Acq: 28 Sep 2018 14:02

Tgt Ion:	180	Resp:	279957
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.6
145	30.5	23.8	35.6





#69

Naphthalene

Concen: 56.888 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD05083

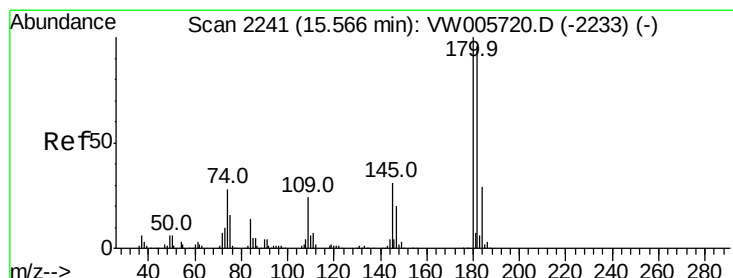
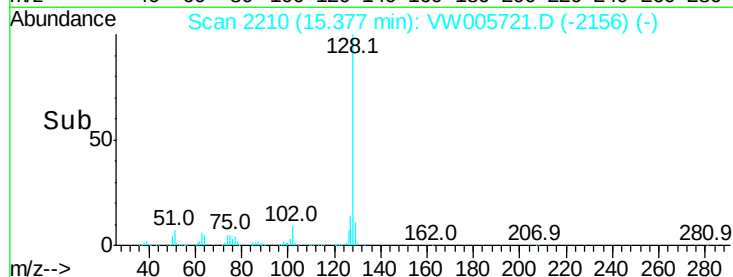
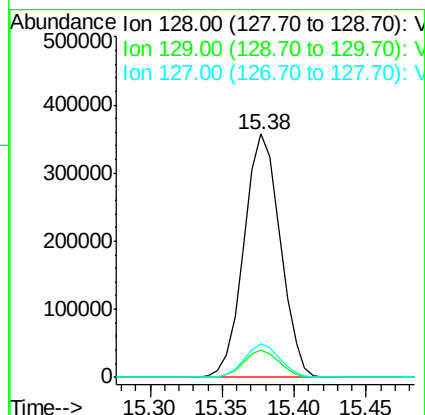
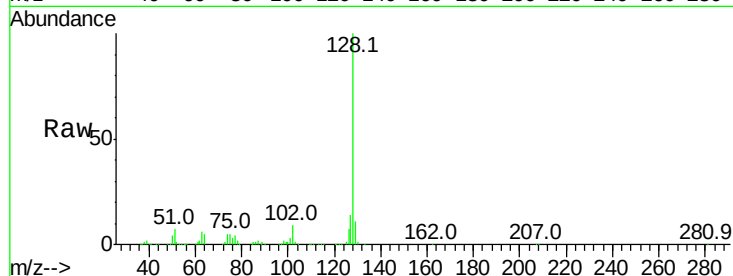
Tgt Ion:128 Resp: 625154

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.6 11.0 16.4



#70

1,2,3-Trichlorobenzene

Concen: 53.841 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005721.D

Acq: 28 Sep 2018 14:02

Tgt Ion:180 Resp: 263217

Ion Ratio Lower Upper

180 100

182 94.2 76.8 115.2

145 32.4 25.5 38.3

