

Data File : VW003737.D
Acq On : 06 Jul 2018 10:21
Operator : SY/AP
Sample : VSTD00582
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Quant Time: Jul 06 11:19:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 11:18:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	325002	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314333	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	152898	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	24624	5.59	ug/L	0.00
7) Chloroethane-d5	2.89	69	19605	5.33	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	48866	5.58	ug/L	0.00
20) 2-Butanone-d5	7.09	46	14353	10.33	ug/L	0.00
24) Chloroform-d	7.65	84	49415	5.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	29617	5.83	ug/L	0.00
29) Benzene-d6	8.28	84	90329	5.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	29895	5.66	ug/L	0.00
37) Toluene-d8	10.33	98	82808	5.19	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12632	5.10	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	9248	8.57	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	27092	5.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	31625	5.48	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11270	6.313	ug/L	99
3) Chloromethane	2.21	50	20232	5.276	ug/L	99
5) Vinyl chloride	2.36	62	28959	5.218	ug/L	98
6) Bromomethane	2.78	94	16858	5.221	ug/L	98
8) Chloroethane	2.92	64	15605	4.615	ug/L	96
9) Trichlorofluoromethane	3.25	101	12451	3.911	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	22933	5.336	ug/L	99
12) 1,1-Dichloroethene	4.03	96	21909	5.393	ug/L	82
13) Acetone	4.15	43	16484	11.134	ug/L #	71
14) Carbon disulfide	4.37	76	71349	5.444	ug/L	99
15) Methyl Acetate	4.68	43	13285	5.475	ug/L	99
16) Methylene chloride	4.92	84	30614	6.836	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	36970	4.932	ug/L	97
18) trans-1,2-Dichloroethene	5.41	96	22377	5.286	ug/L	97
19) 1,1-Dichloroethane	6.21	63	42851	5.425	ug/L	99
21) 2-Butanone	7.19	43	18605	10.694	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	23433	5.209	ug/L	96
23) Bromochloromethane	7.52	128	11974	5.754	ug/L	87
25) Chloroform	7.68	83	45156	5.560	ug/L	98
27) 1,2-Dichloroethane	8.40	62	33559	5.706	ug/L	99
30) Cyclohexane	7.96	56	30991	4.270	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	35315	5.114	ug/L	99
32) Carbon tetrachloride	8.07	117	33509	5.023	ug/L	97
34) Benzene	8.32	78	95225	5.313	ug/L	100
35) Trichloroethene	9.09	95	25276	5.232	ug/L	99
36) Methylcyclohexane	9.34	83	38877	4.714	ug/L	98
40) 1,2-Dichloropropane	9.37	63	25490	5.404	ug/L	99
41) Bromodichloromethane	9.65	83	32968	5.438	ug/L #	96
42) cis-1,3-Dichloropropene	10.08	75	34547	4.907	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	32932	9.772	ug/L	97

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Quant Title : VOC Analysis
QLast Update : Fri Jul 06 11:18:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	98494	5.067	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	31686	4.974	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	19842	5.635	ug/L	95
47) Tetrachloroethene	10.87	164	20879	5.143	ug/L	97
49) 2-Hexanone	10.98	43	23258	9.262	ug/L	99
50) Dibromochloromethane	11.13	129	22446	5.236	ug/L	92
51) 1,2-Dibromoethane	11.24	107	18398	5.258	ug/L #	99
52) Chlorobenzene	11.66	112	66826	5.294	ug/L	98
53) Ethylbenzene	11.74	91	107714	4.940	ug/L	99
54) m,p-Xylene	11.84	106	39653	4.896	ug/L	99
55) o-xylene	12.17	106	36440	4.730	ug/L	99
56) Styrene	12.19	104	63702	4.790	ug/L	99
57) Isopropylbenzene	12.47	105	99003	4.632	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	25595	5.514	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	18737	5.267	ug/L	97
62) Bromoform	12.35	173	13373	5.197	ug/L #	97
63) 1,3-Dichlorobenzene	13.51	146	48297	5.137	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	53823	5.461	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	48213	5.372	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4360	5.535	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	38768	5.307	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	29470	4.955	ug/L	99
69) Naphthalene	15.38	128	51437	4.623	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	28560	5.240	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

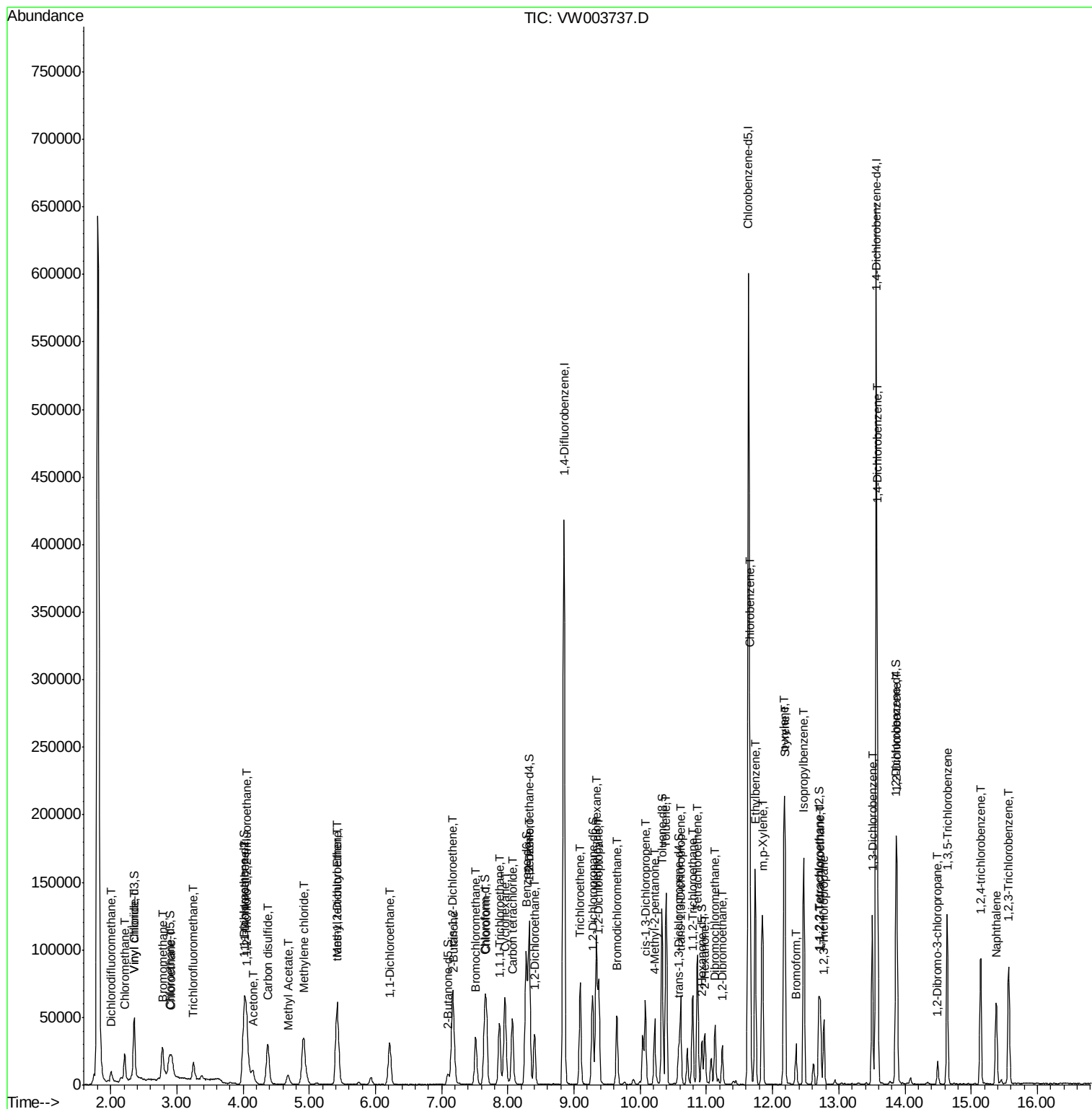
Quant Time: Jul 06 11:19:52 2018

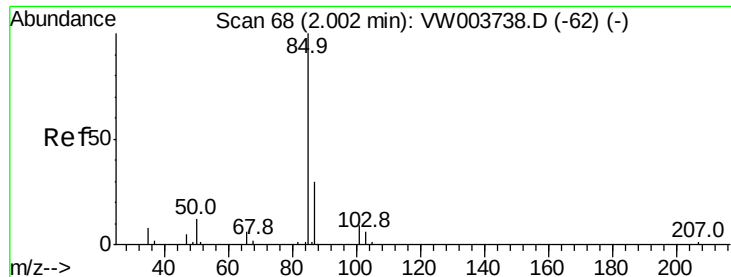
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M

Quant Title : VOC Analysis

QLast Update : Fri Jul 06 11:18:40 2018

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#2

Dichlorodifluoromethane

Concen: 6.313 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

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Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

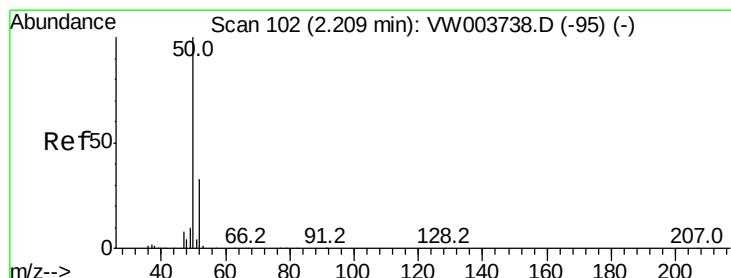
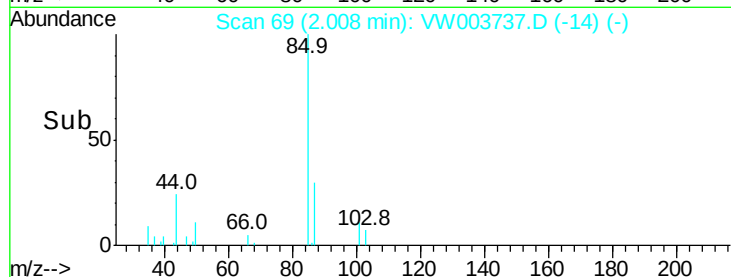
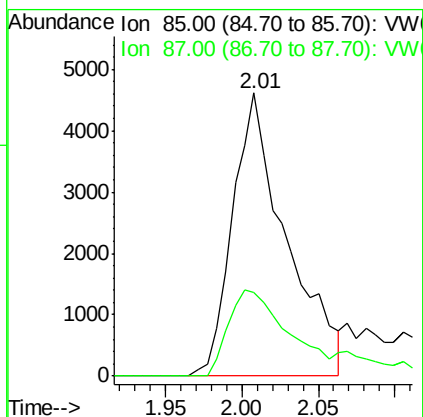
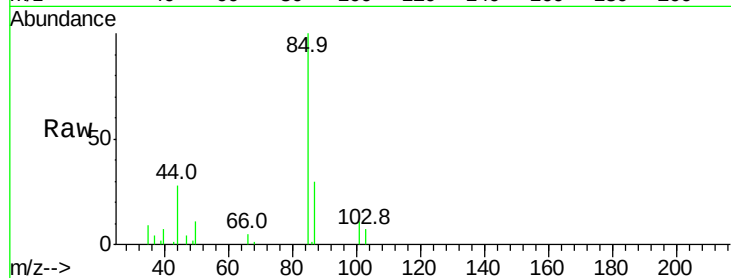
VSTD00582

Tgt Ion: 85 Resp: 11270

Ion Ratio Lower Upper

85 100

87 33.7 23.3 43.3



#3

Chloromethane

Concen: 5.276 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003737.D

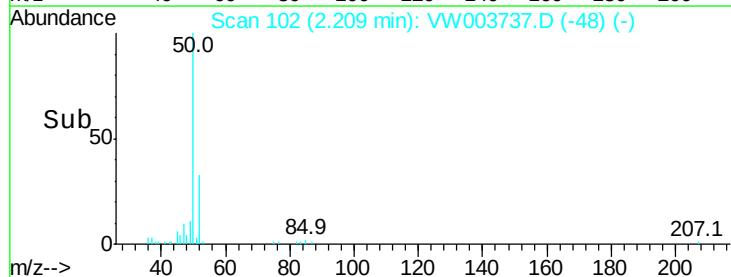
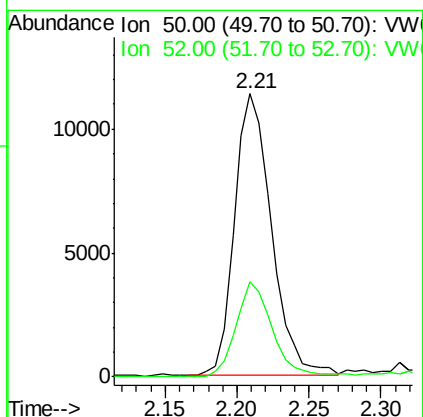
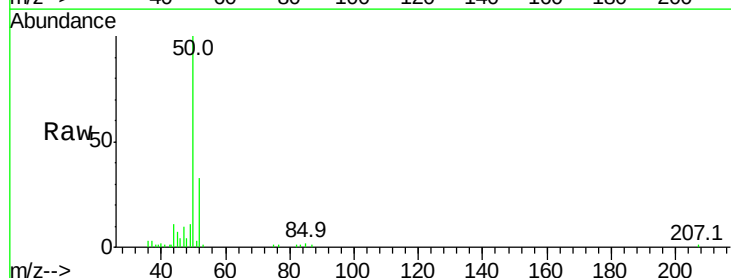
Acq: 06 Jul 2018 10:21

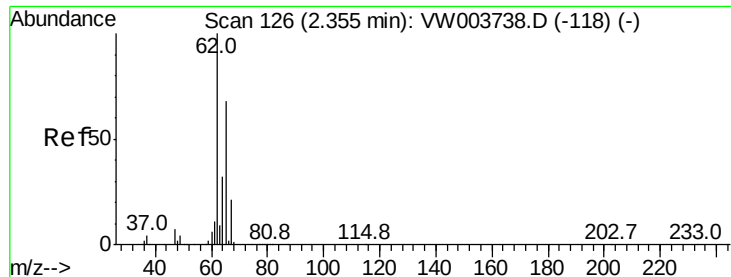
Tgt Ion: 50 Resp: 20232

Ion Ratio Lower Upper

50 100

52 33.4 22.9 42.5





#5

Vinyl chloride

Concen: 5.218 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

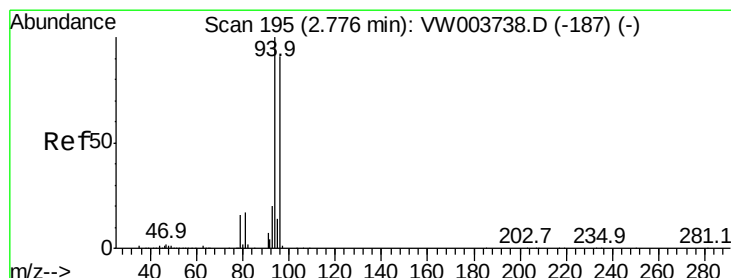
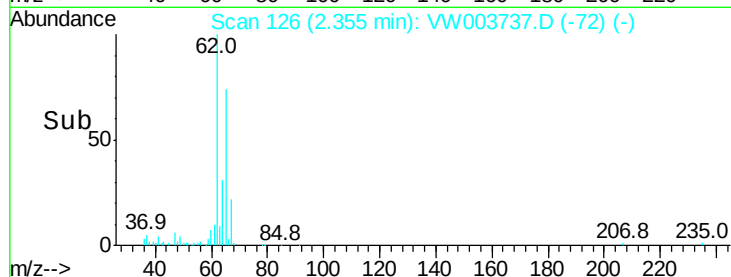
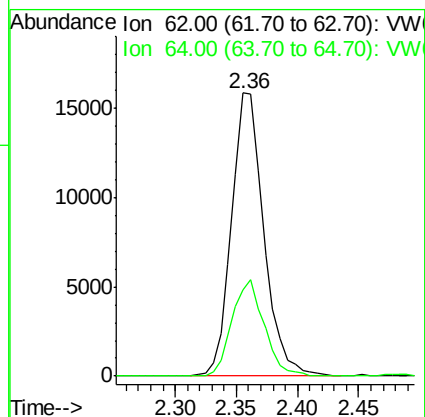
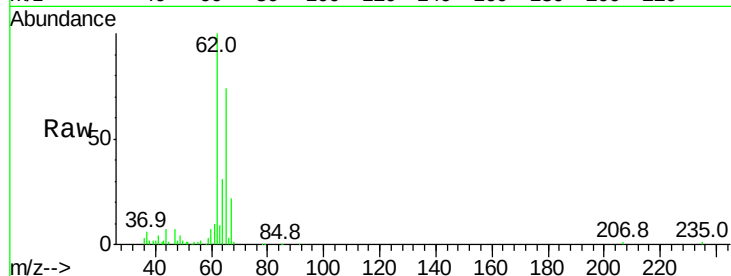
VSTD00582

Tgt Ion: 62 Resp: 28959

Ion Ratio Lower Upper

62 100

64 30.6 22.2 41.2



#6

Bromomethane

Concen: 5.221 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003737.D

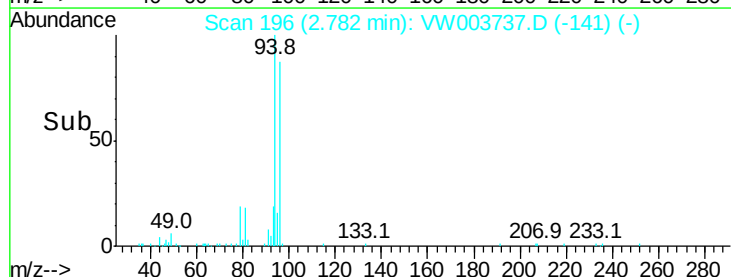
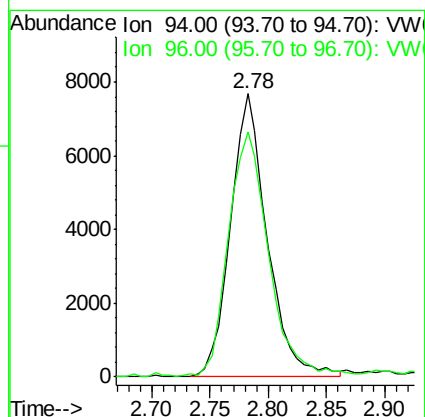
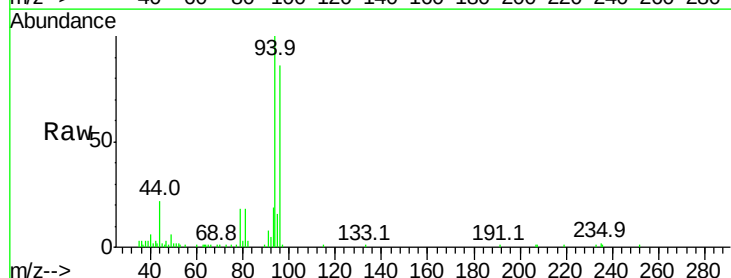
Acq: 06 Jul 2018 10:21

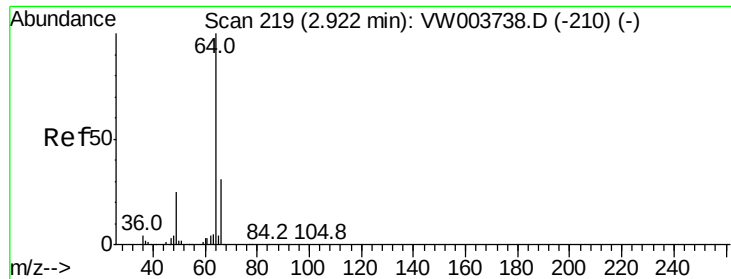
Tgt Ion: 94 Resp: 16858

Ion Ratio Lower Upper

94 100

96 91.2 9.3 177.7

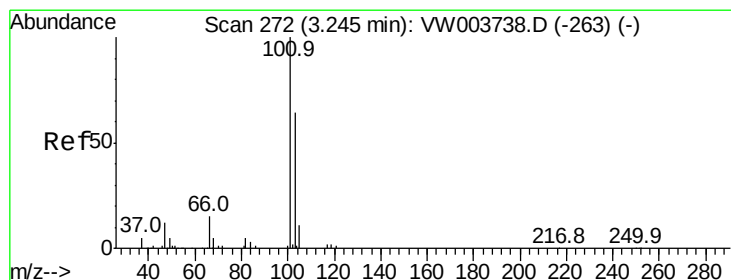
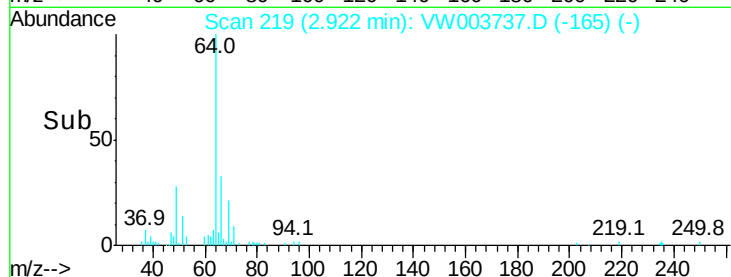
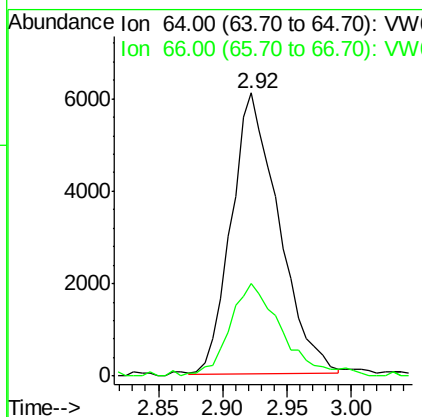
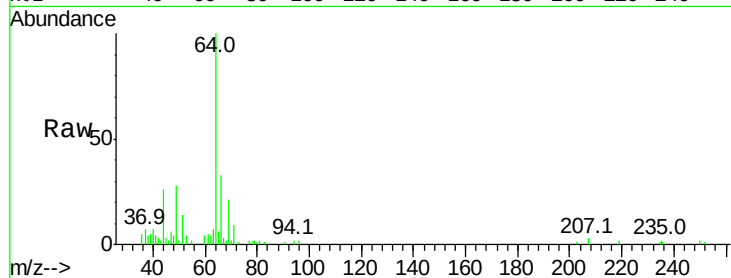




#8
Chloroethane
Concen: 4.615 ug/L
RT: 2.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

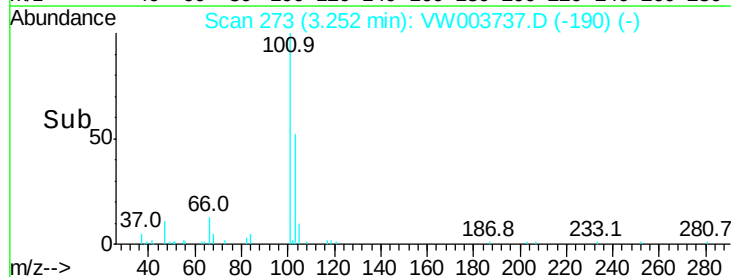
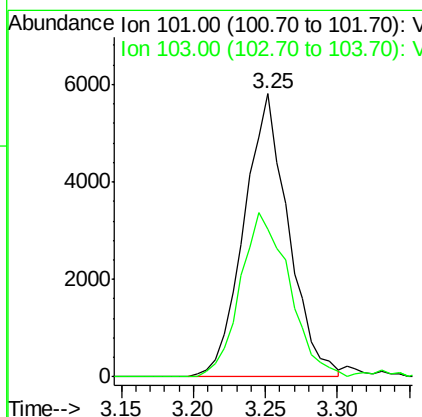
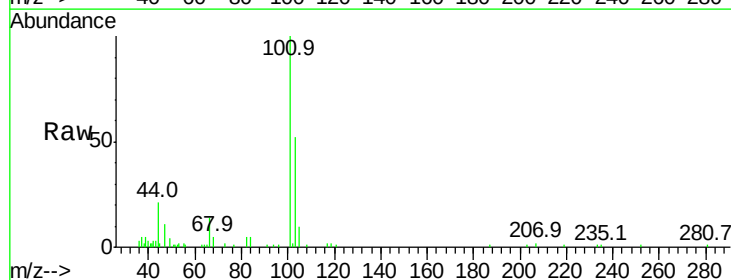
Instrument :
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ClientSampleId :
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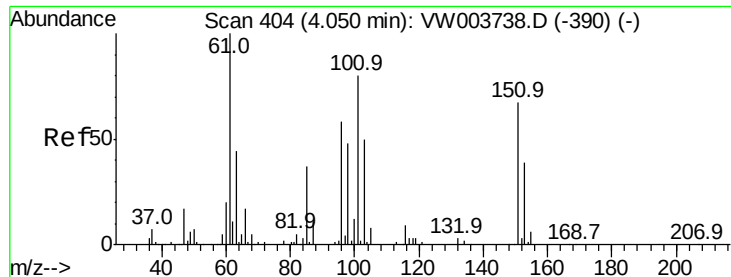
Tgt Ion: 64 Resp: 15605
Ion Ratio Lower Upper
64 100
66 32.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 3.911 ug/L
RT: 3.25 min Scan# 273
Delta R.T. 0.01 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Tgt Ion: 101 Resp: 12451
Ion Ratio Lower Upper
101 100
103 64.0 44.9 83.5





#11

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

Concen: 5.336 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

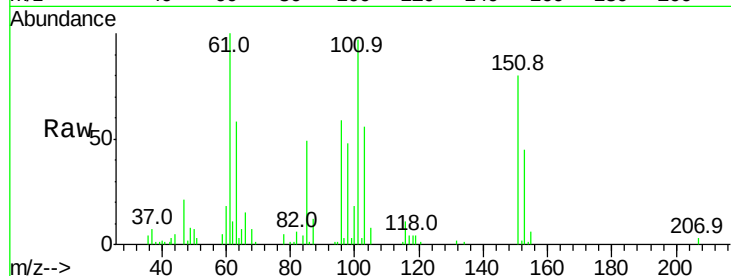
Tgt Ion: 101 Resp: 22933

Ion Ratio Lower Upper

101 100

85 42.8 35.5 53.3

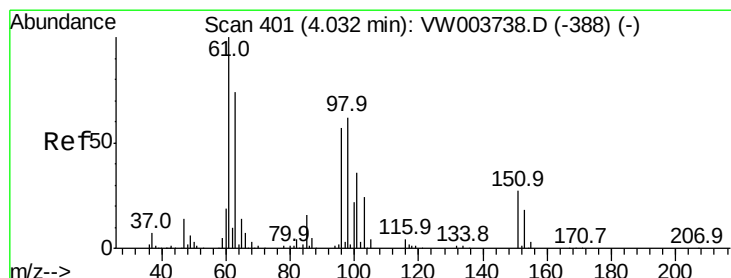
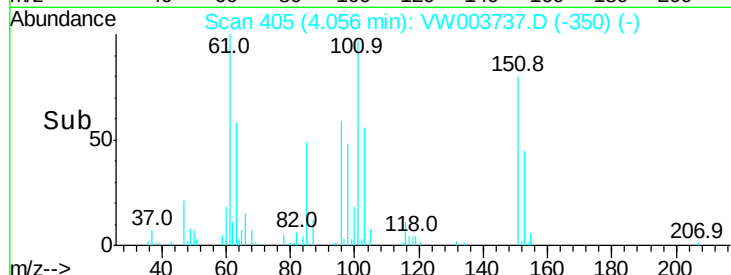
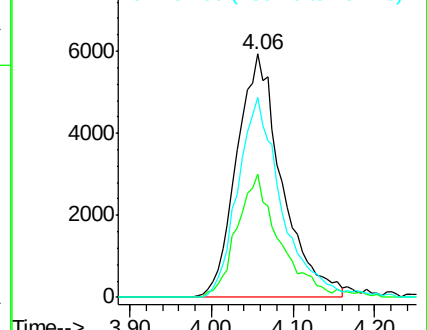
151 78.4 62.9 94.3



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: 5.393 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

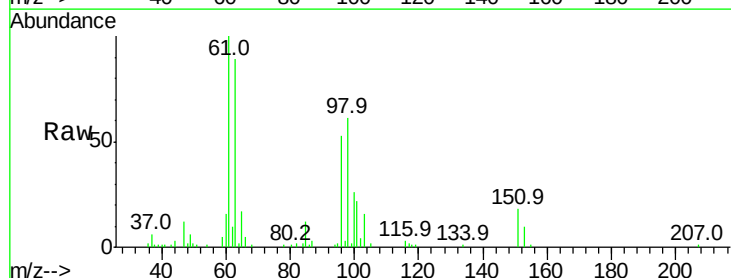
Tgt Ion: 96 Resp: 21909

Ion Ratio Lower Upper

96 100

61 189.7 123.8 229.8

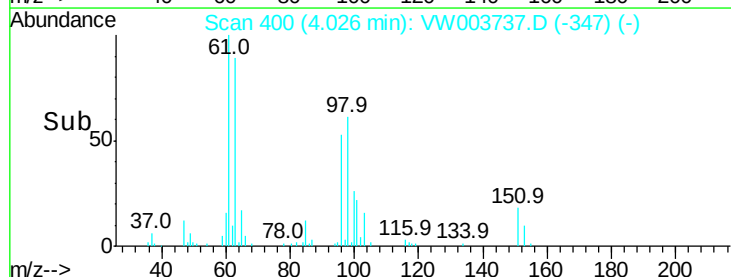
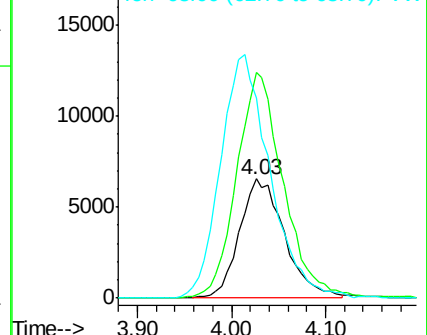
63 168.7 94.2 175.0

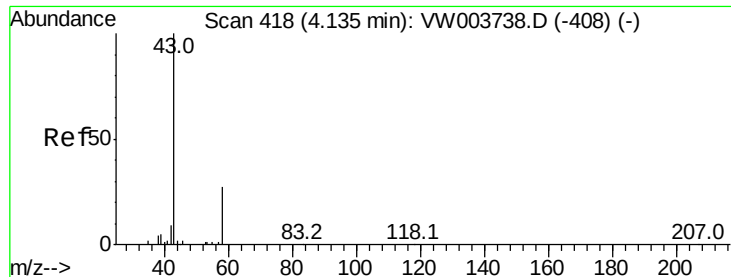


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 11.134 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003737.D

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MSVOA_W

ClientSampleId :

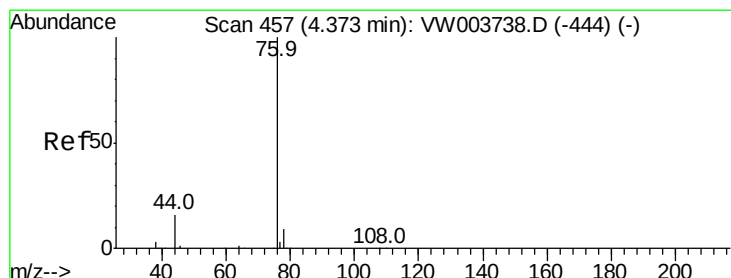
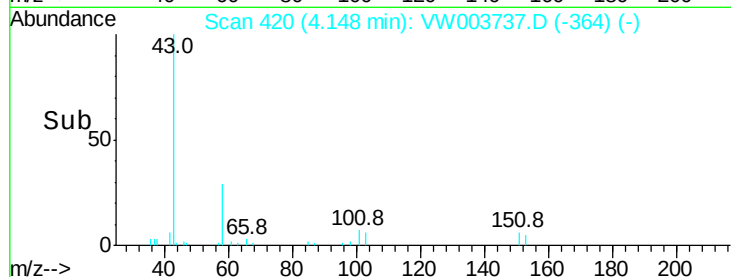
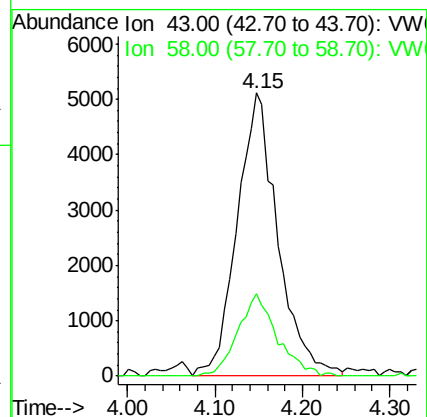
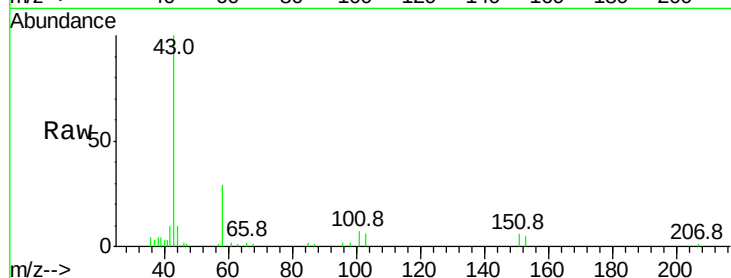
VSTD00582

Tgt Ion: 43 Resp: 16484

Ion Ratio Lower Upper

43 100

58 27.4 0.0 0.6#



#14

Carbon disulfide

Concen: 5.444 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003737.D

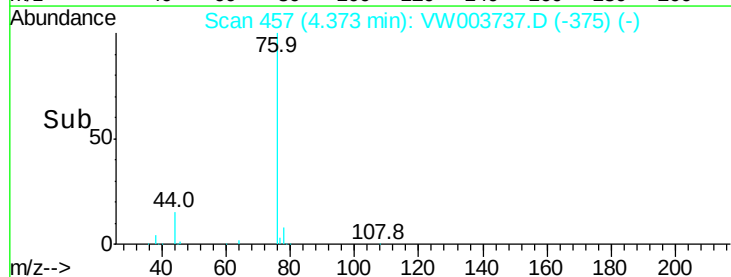
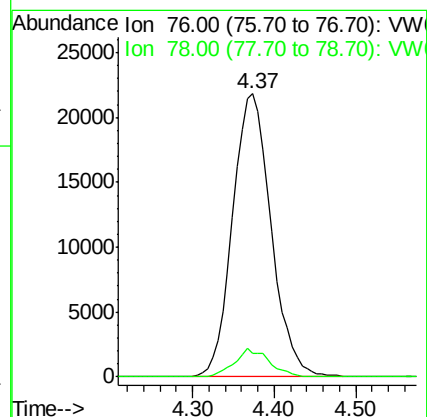
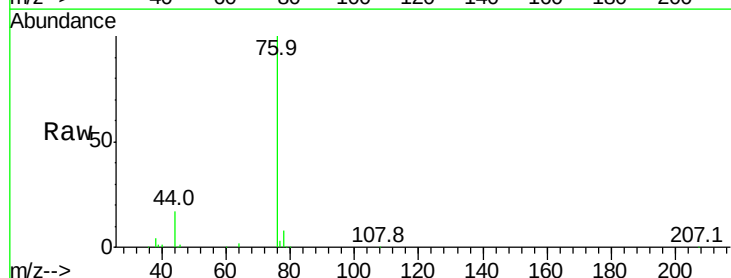
Acq: 06 Jul 2018 10:21

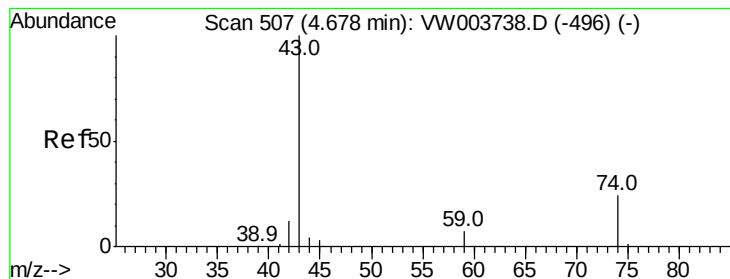
Tgt Ion: 76 Resp: 71349

Ion Ratio Lower Upper

76 100

78 8.4 6.9 10.3





#15

Methyl Acetate

Concen: 5.475 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

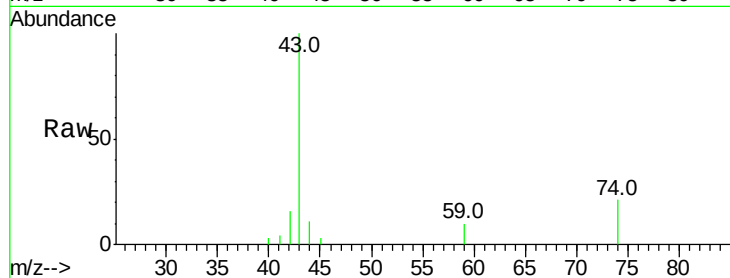
VSTD00582

Tgt Ion: 43 Resp: 13285

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5



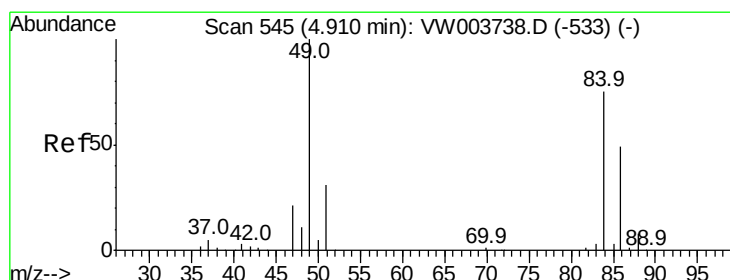
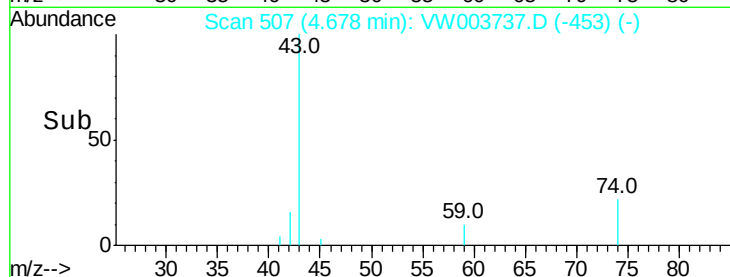
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

4.60 4.65 4.70 4.75

Time-->



#16

Methylene chloride

Concen: 6.836 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

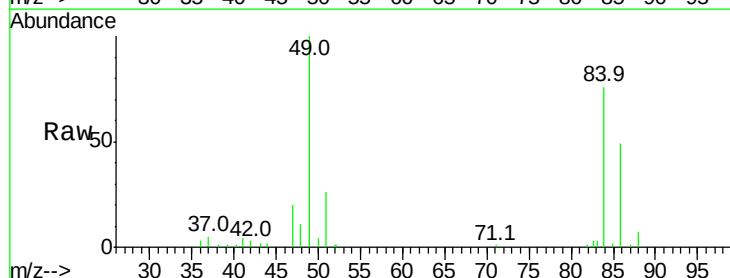
Tgt Ion: 84 Resp: 30614

Ion Ratio Lower Upper

84 100

49 130.9 93.5 173.7

86 64.5 45.6 84.8



Abundance Ion 84.00 (83.70 to 84.70): VW

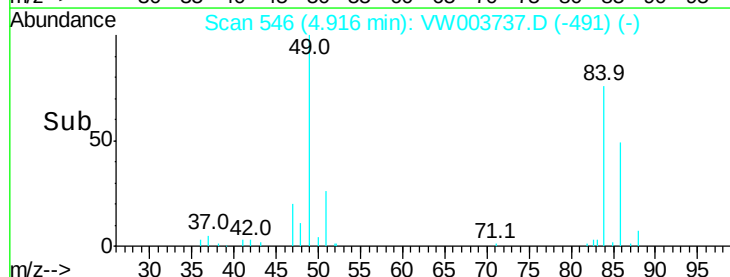
Ion 49.00 (48.70 to 49.70): VW

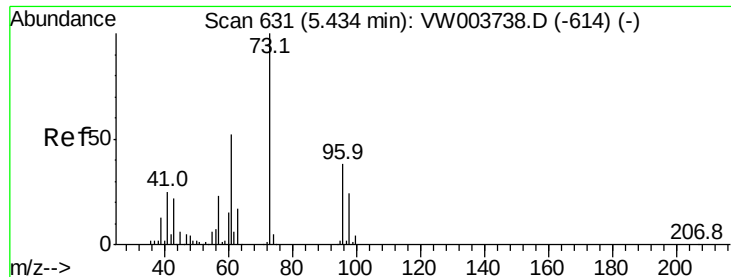
Ion 86.00 (85.70 to 86.70): VW

4.92

4.80 4.90 5.00 5.10

Time-->

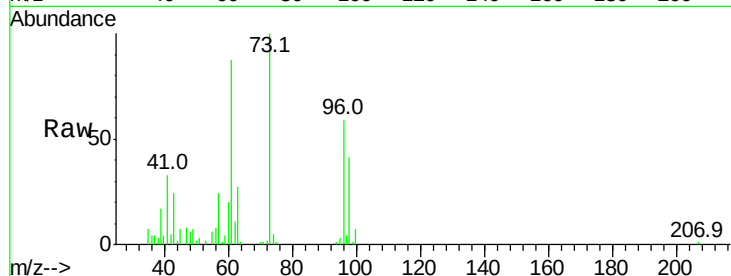




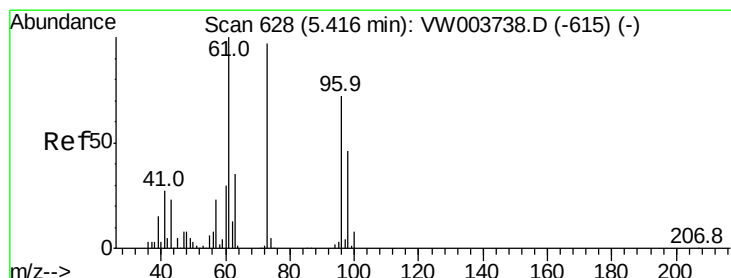
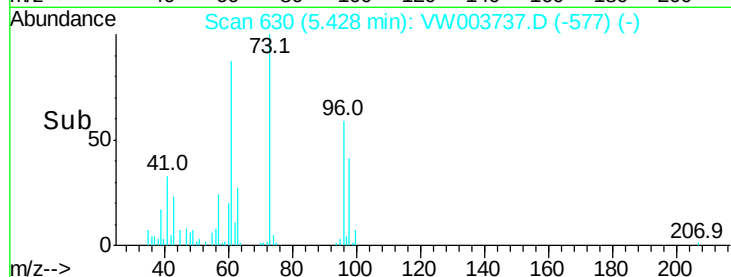
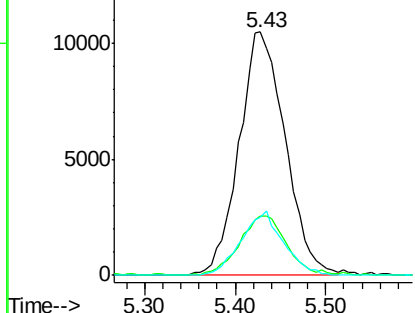
#17
Methyl tert-butyl Ether
Concen: 4.932 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Instrument :
MSVOA_W
ClientSampled :
VSTD00582

Tgt Ion: 73 Resp: 36970
Ion Ratio Lower Upper
73 100
43 24.5 18.2 27.4
57 24.1 18.4 27.6

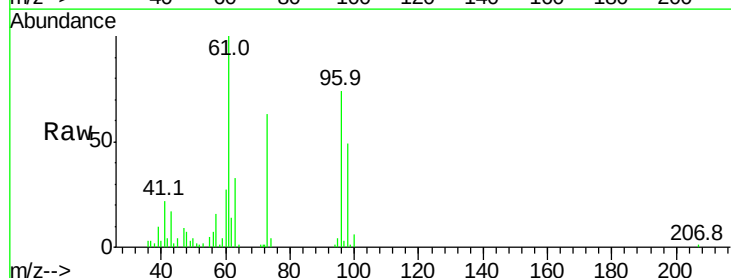


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

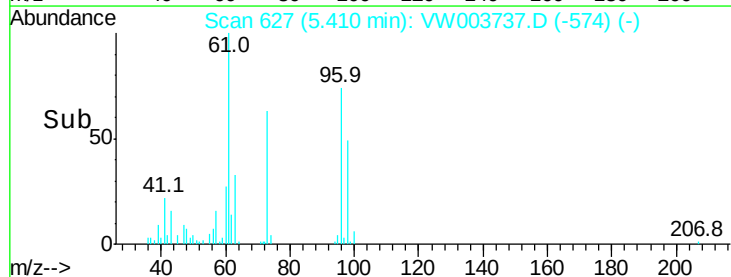
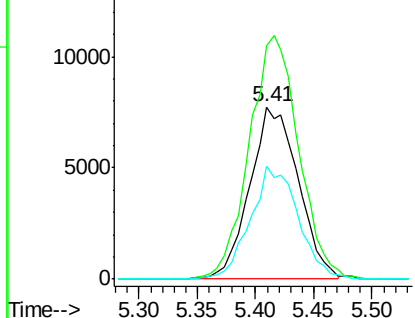


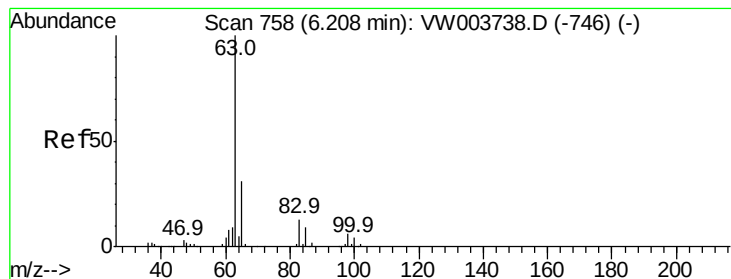
#18
trans-1,2-Dichloroethene
Concen: 5.286 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.01 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Tgt Ion: 96 Resp: 22377
Ion Ratio Lower Upper
96 100
61 135.2 97.5 181.1
98 65.8 44.6 82.8



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





#19

1,1-Dichloroethane

Concen: 5.425 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

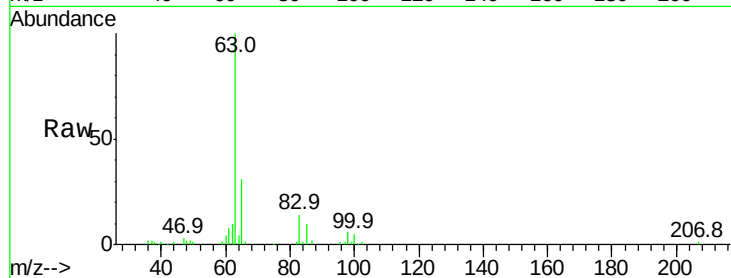
Tgt Ion: 63 Resp: 42851

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

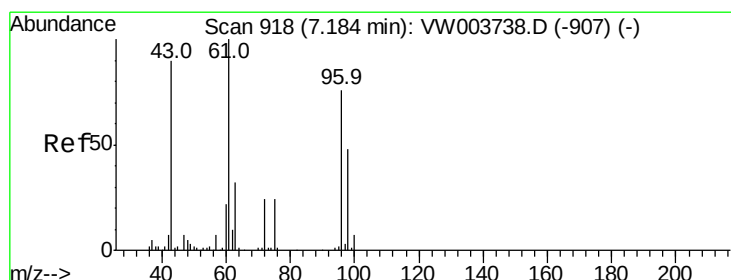
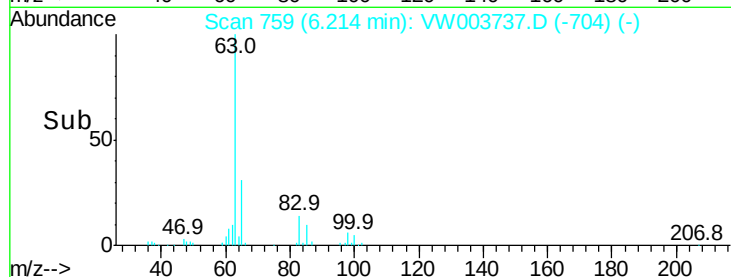
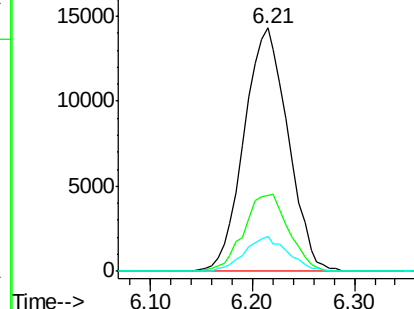
83 14.3 9.2 17.2



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: 10.694 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003737.D

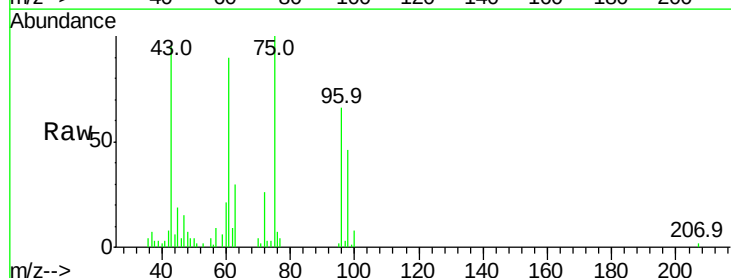
Acq: 06 Jul 2018 10:21

Tgt Ion: 43 Resp: 18605

Ion Ratio Lower Upper

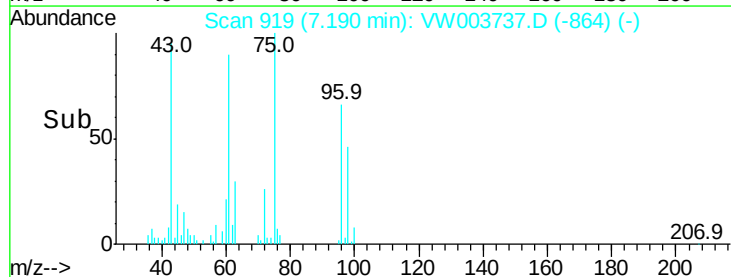
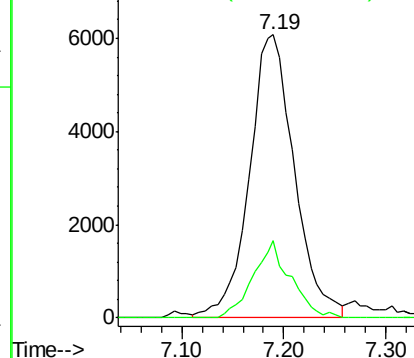
43 100

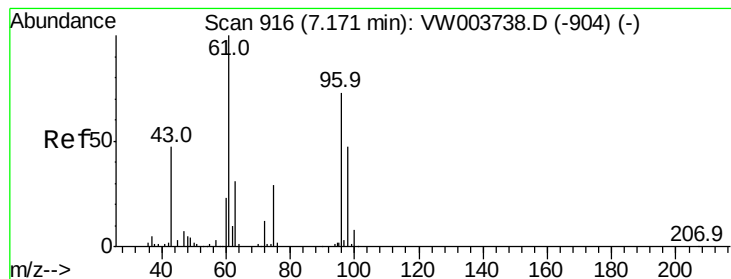
72 22.4 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 5.209 ug/L

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

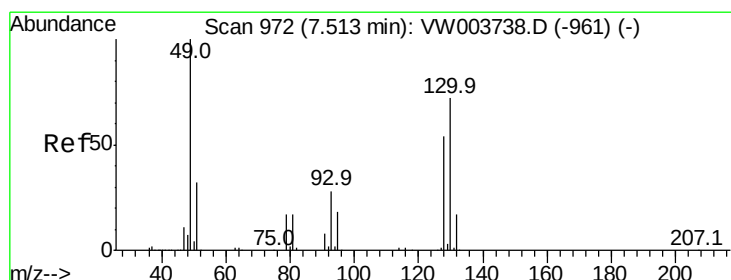
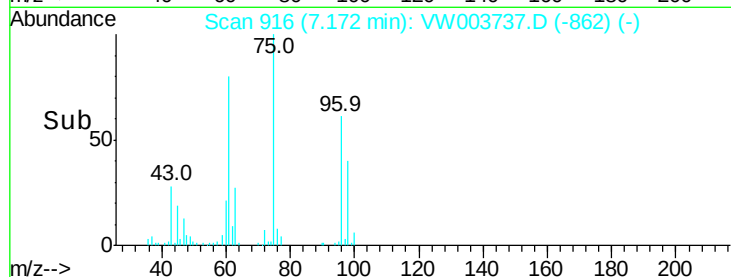
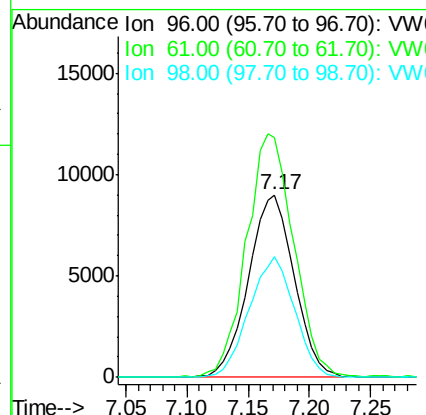
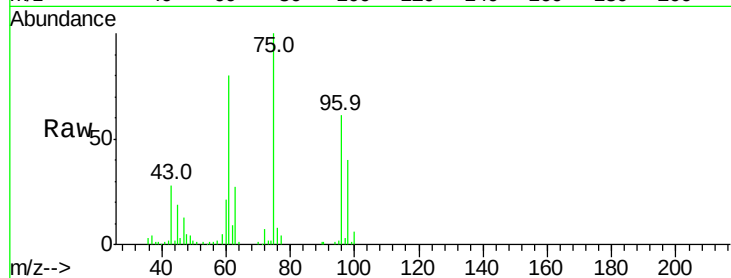
Tgt Ion: 96 Resp: 23433

Ion Ratio Lower Upper

96 100

61 131.8 96.3 178.9

98 66.4 45.1 83.7



#23

Bromochloromethane

Concen: 5.754 ug/L

RT: 7.52 min Scan# 973

Delta R.T. 0.01 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Tgt Ion: 128 Resp: 11974

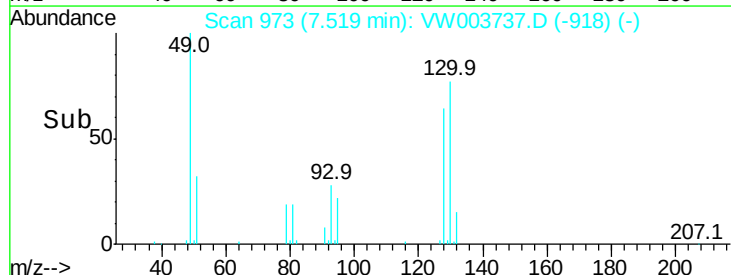
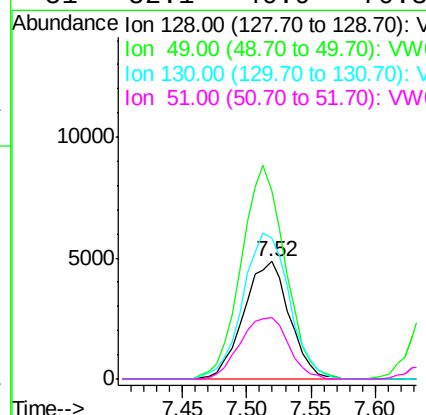
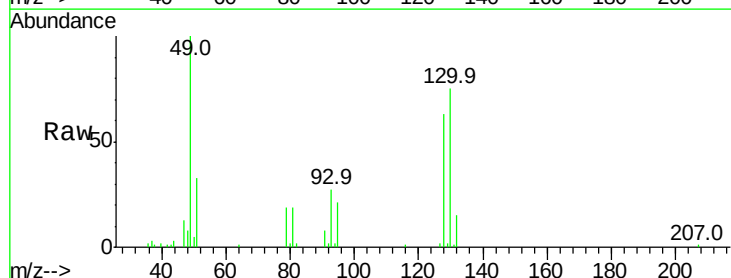
Ion Ratio Lower Upper

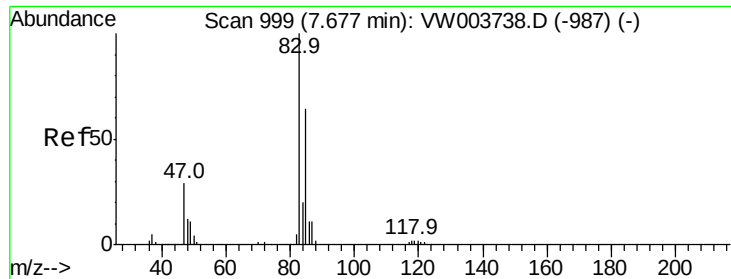
128 100

49 159.8 129.4 240.2

130 120.2 92.5 171.9

51 52.1 46.9 70.3





#25

Chloroform

Concen: 5.560 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

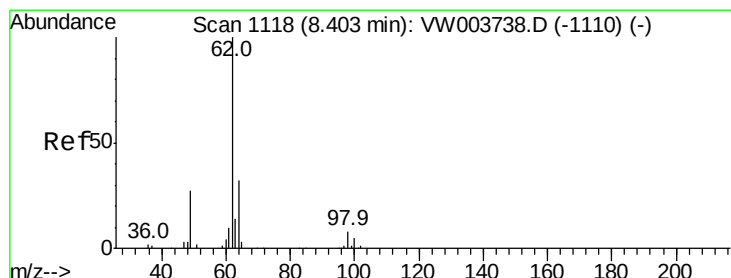
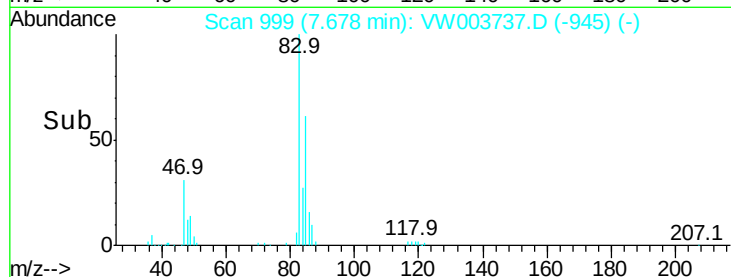
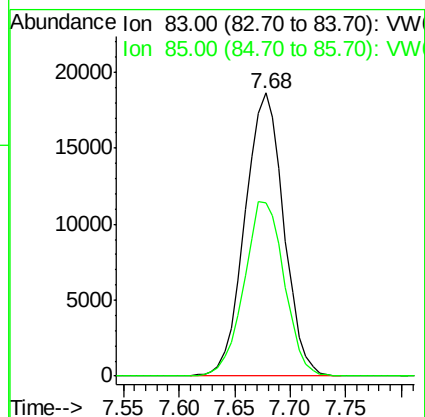
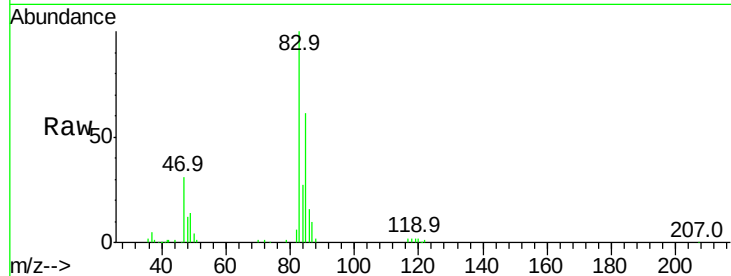
VSTD00582

Tgt Ion: 83 Resp: 45156

Ion Ratio Lower Upper

83 100

85 64.0 45.9 85.3



#27

1,2-Dichloroethane

Concen: 5.706 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003737.D

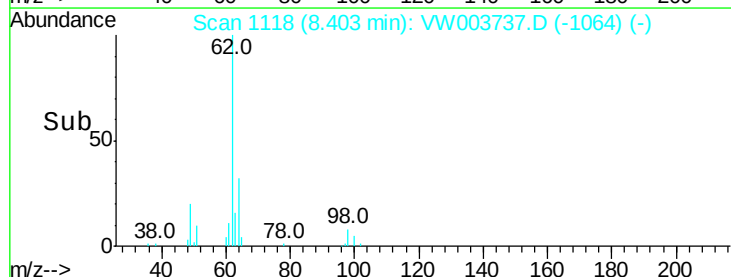
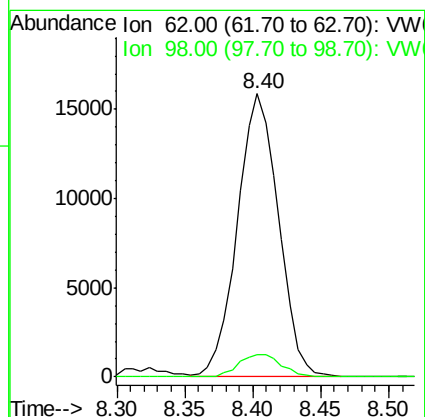
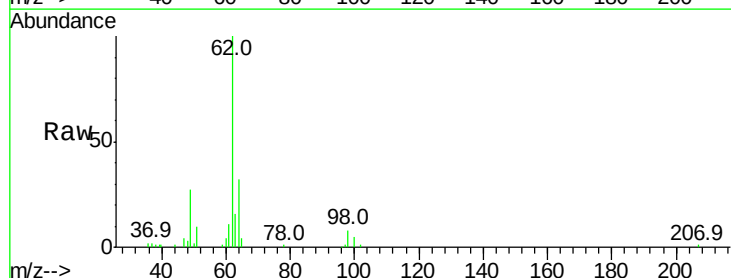
Acq: 06 Jul 2018 10:21

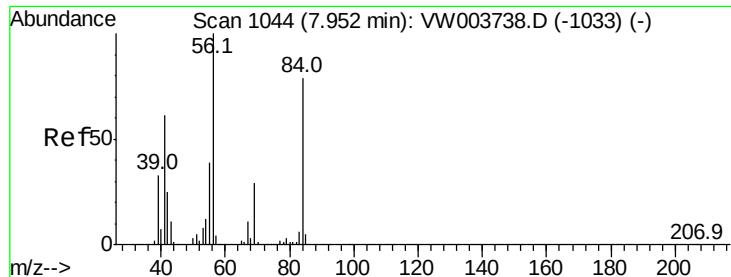
Tgt Ion: 62 Resp: 33559

Ion Ratio Lower Upper

62 100

98 7.9 6.6 10.0

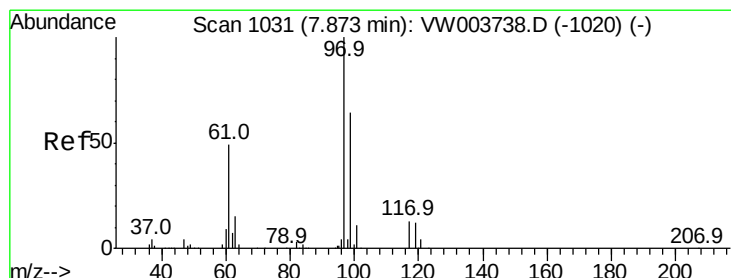
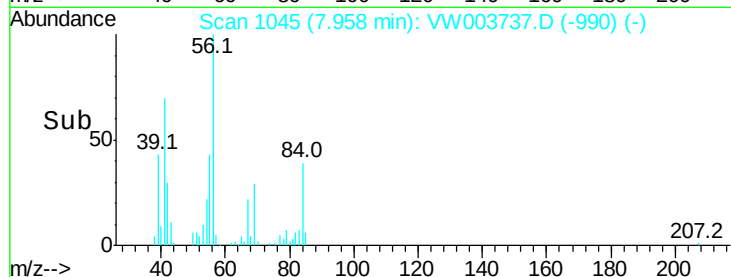
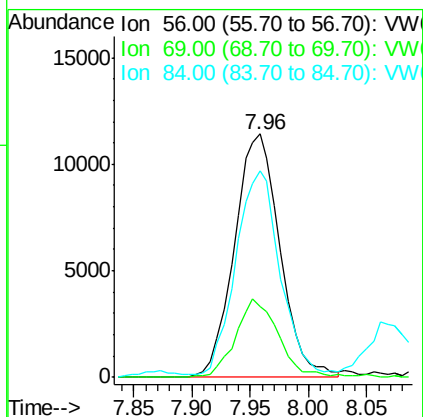
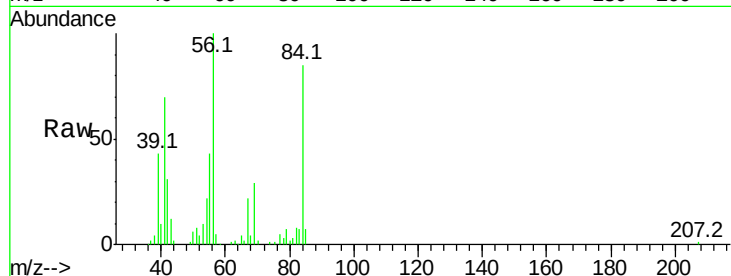




#30
Cyclohexane
Concen: 4.270 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

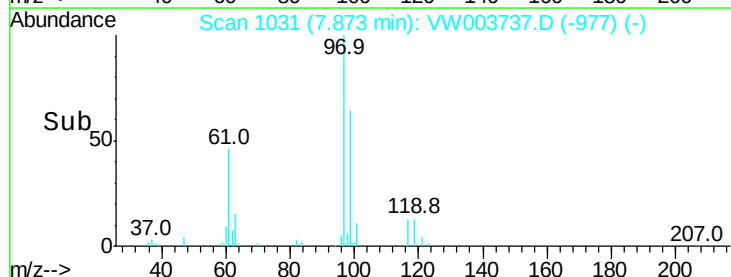
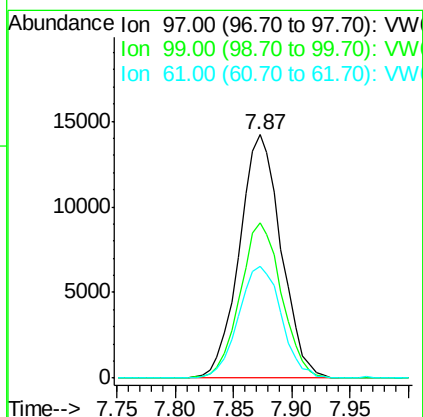
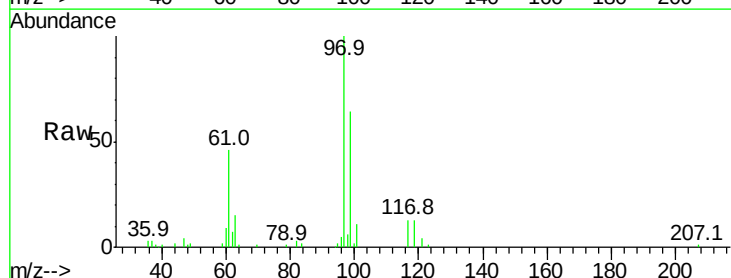
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

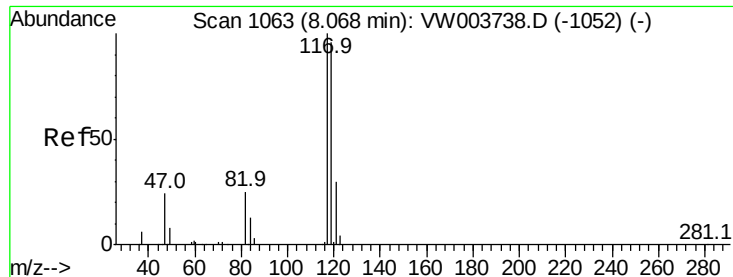
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.5	35.3
84	83.9	65.8	98.8



#31
1,1,1-Trichloroethane
Concen: 5.114 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.2
61	47.2	38.2	57.2





#32

Carbon tetrachloride

Concen: 5.023 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

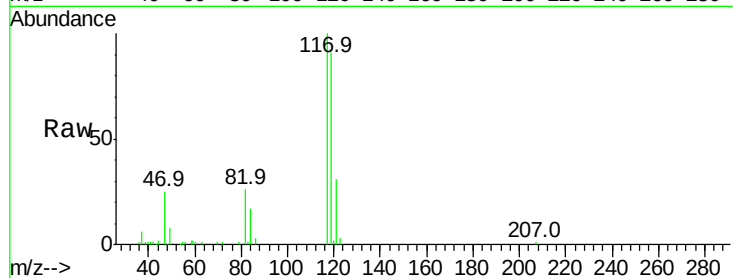
VSTD00582

Tgt Ion:117 Resp: 33509

Ion Ratio Lower Upper

117 100

119 97.9 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

15000

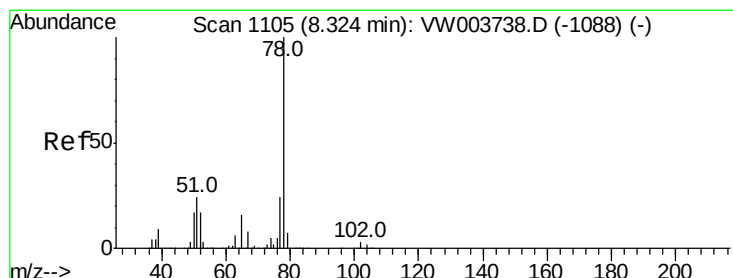
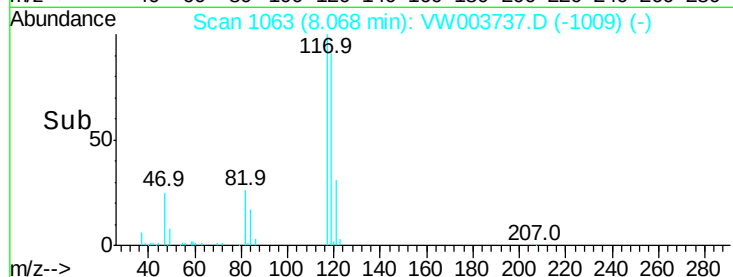
10000

5000

0

8.07

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.313 ug/L

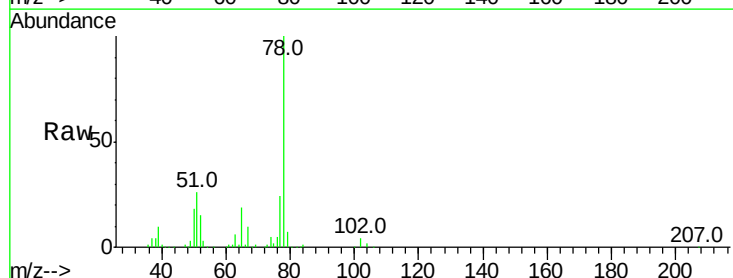
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Tgt Ion: 78 Resp: 95225



Abundance Ion 78.00 (77.70 to 78.70): VW

50000

40000

30000

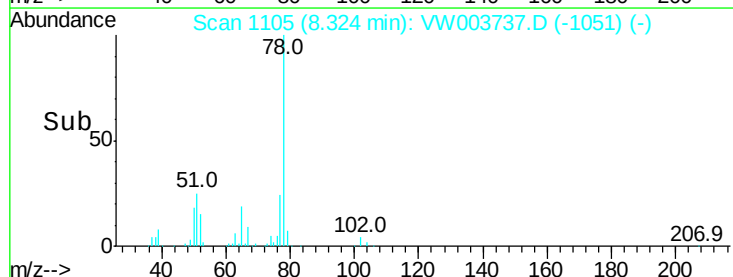
20000

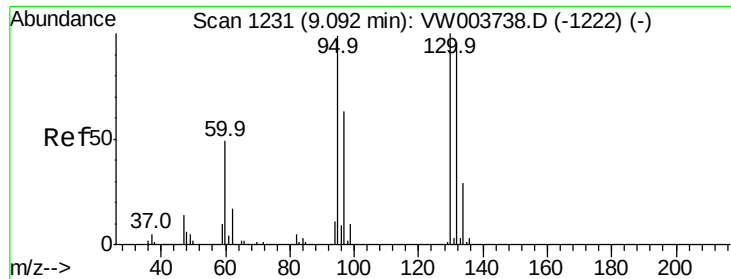
10000

0

8.32

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 5.232 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 95 Resp: 25276

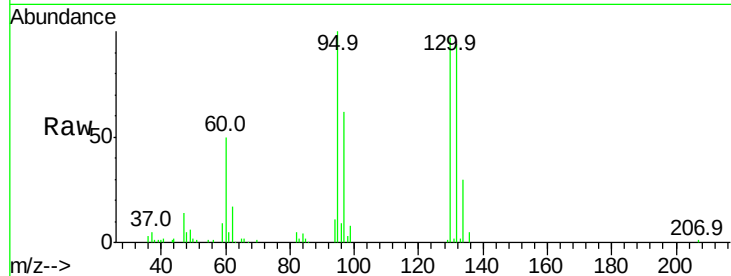
Ion Ratio Lower Upper

95 100

97 64.8 44.6 82.8

132 97.3 67.3 124.9

130 99.8 69.3 128.7

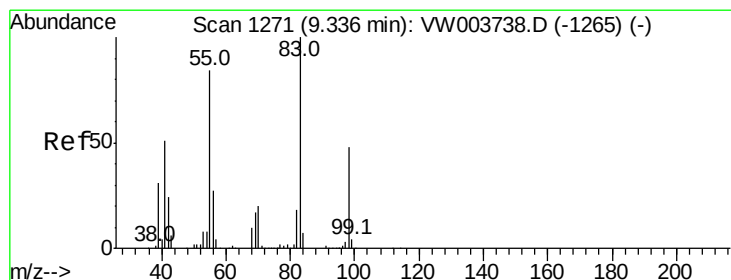
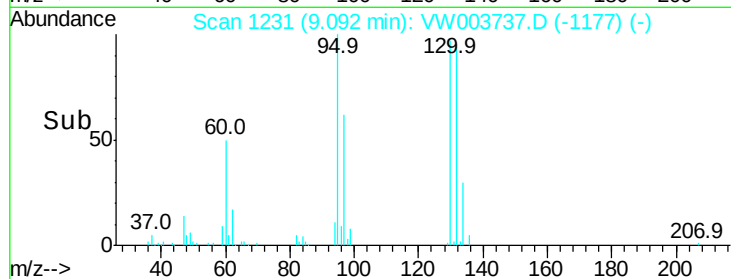
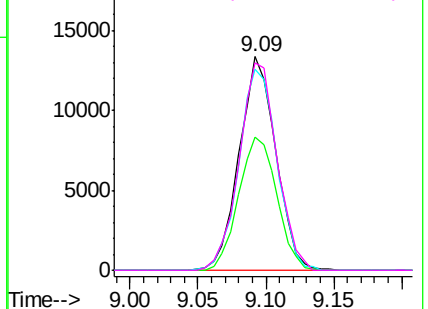


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.714 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

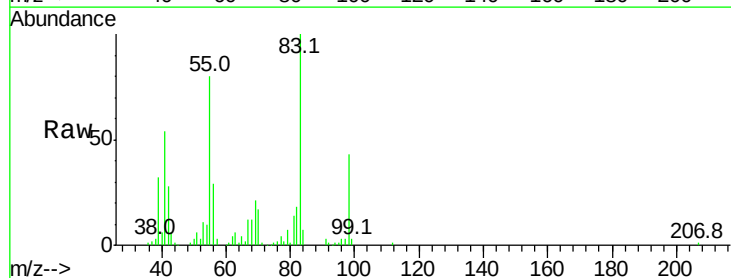
Tgt Ion: 83 Resp: 38877

Ion Ratio Lower Upper

83 100

55 83.4 64.3 96.5

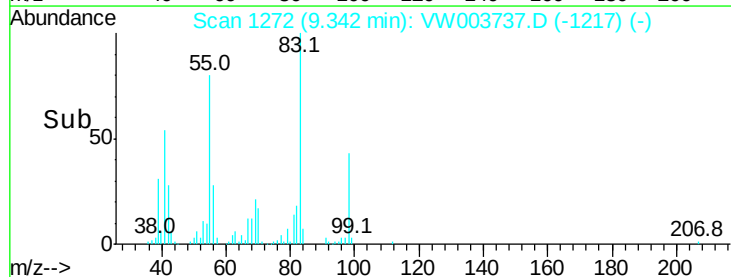
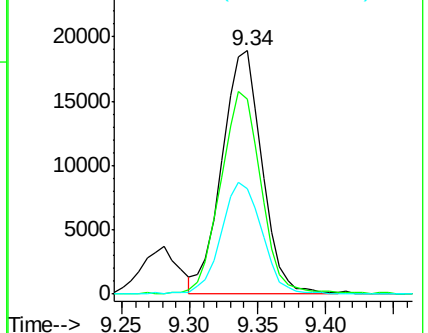
98 46.8 37.0 55.6

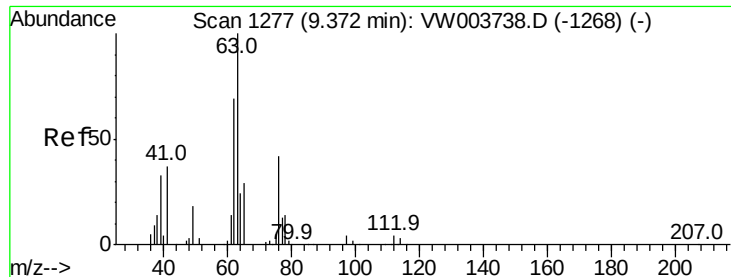


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.404 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

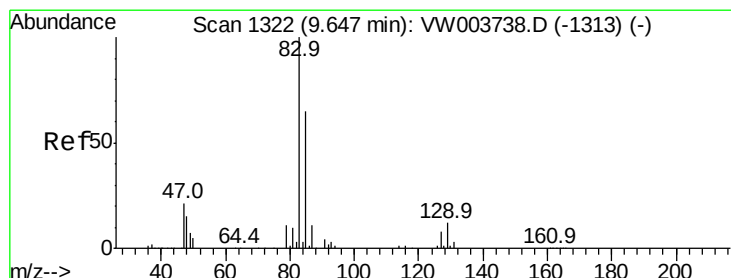
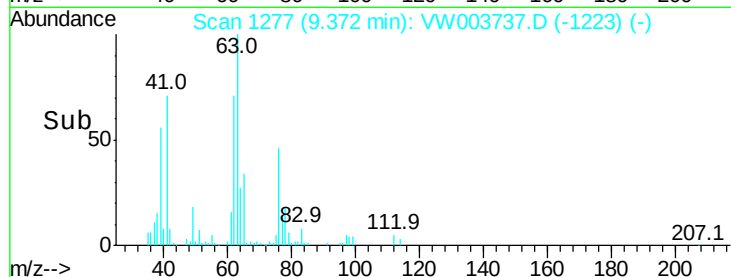
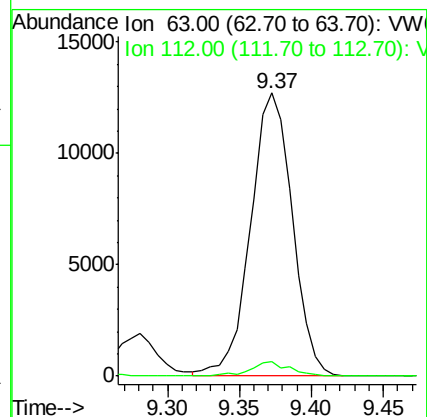
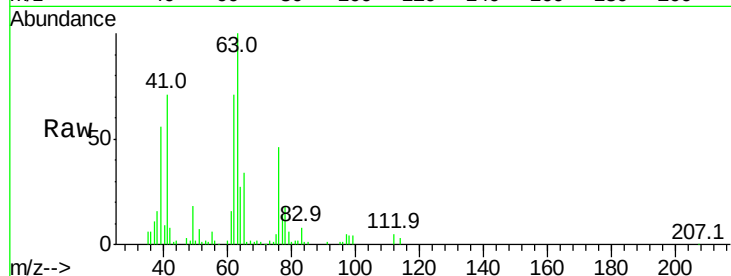
VSTD00582

Tgt Ion: 63 Resp: 25490

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



#41

Bromodichloromethane

Concen: 5.438 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

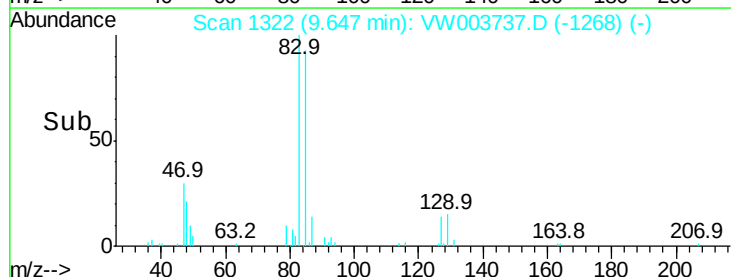
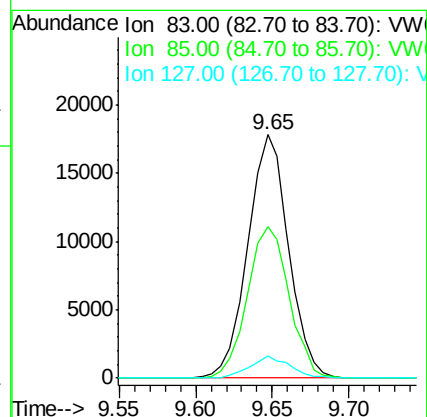
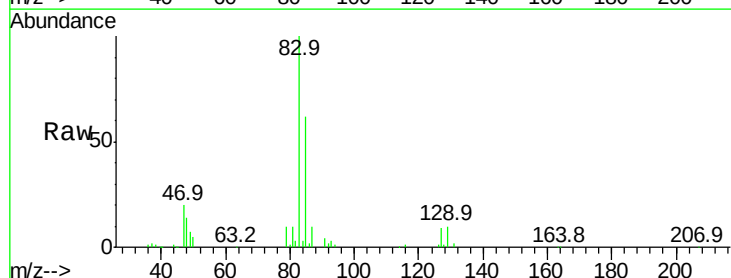
Tgt Ion: 83 Resp: 32968

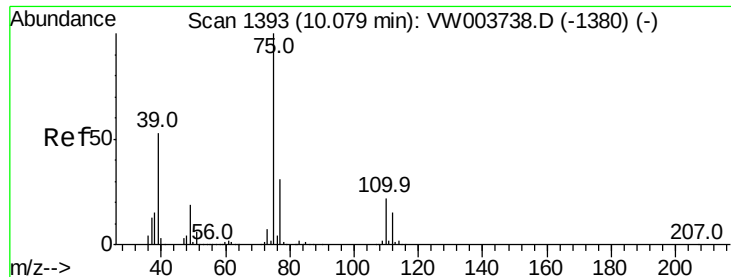
Ion Ratio Lower Upper

83 100

85 62.3 45.8 85.0

127 10.0 6.6 10.0#





#42

cis-1,3-Dichloropropene

Concen: 4.907 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

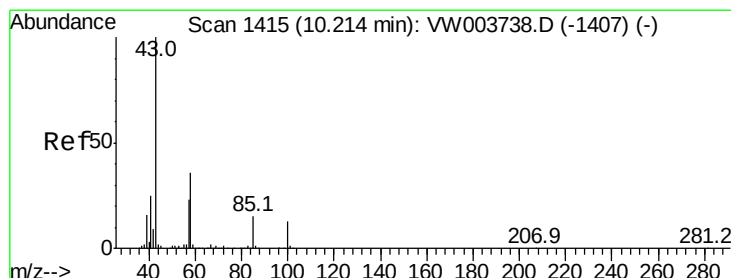
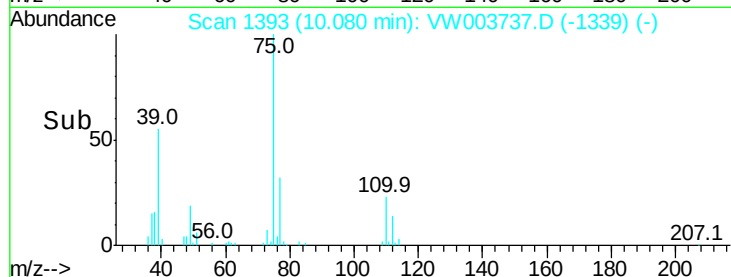
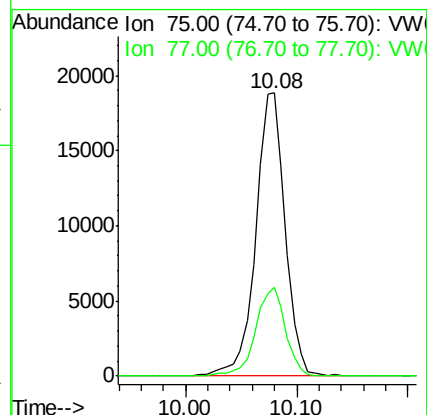
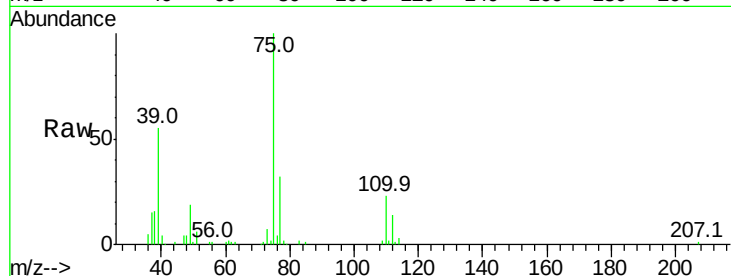
VSTD00582

Tgt Ion: 75 Resp: 34547

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 9.772 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

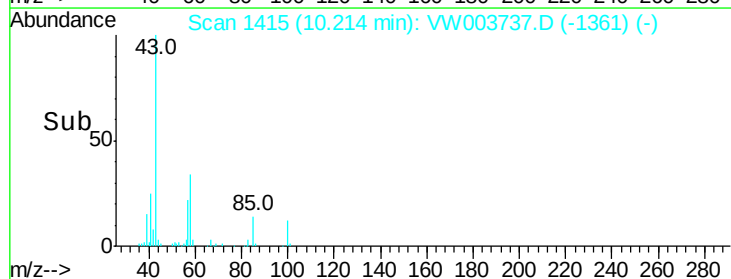
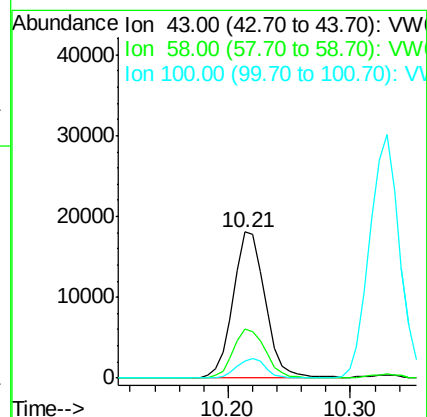
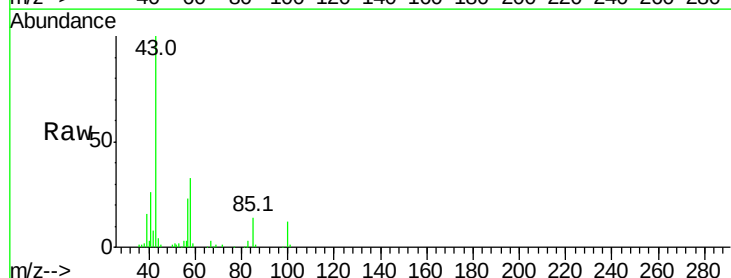
Tgt Ion: 43 Resp: 32932

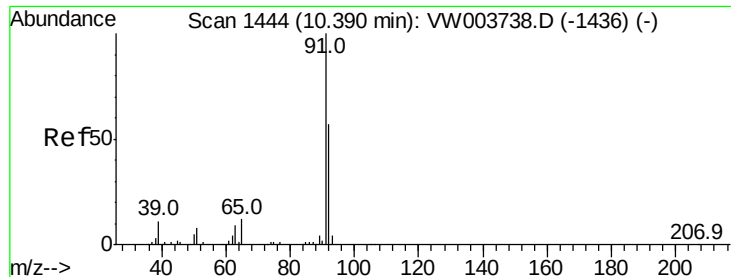
Ion Ratio Lower Upper

43 100

58 33.7 28.6 42.8

100 12.4 10.7 16.1





#44

Toluene

Concen: 5.067 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

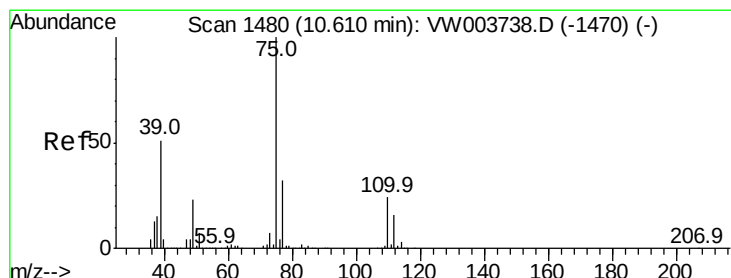
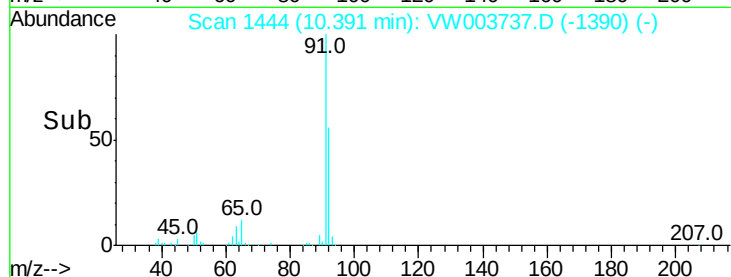
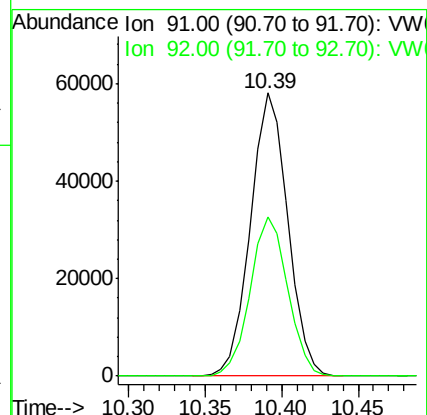
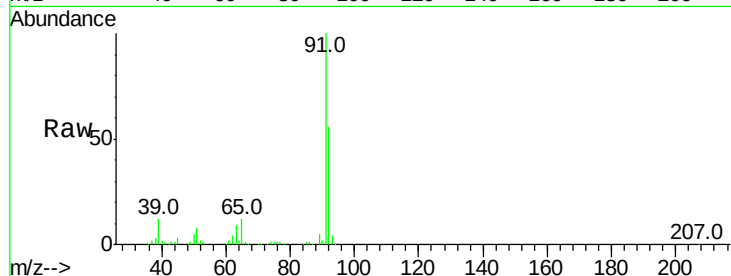
VSTD00582

Tgt Ion: 91 Resp: 98494

Ion Ratio Lower Upper

91 100

92 56.2 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 4.974 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003737.D

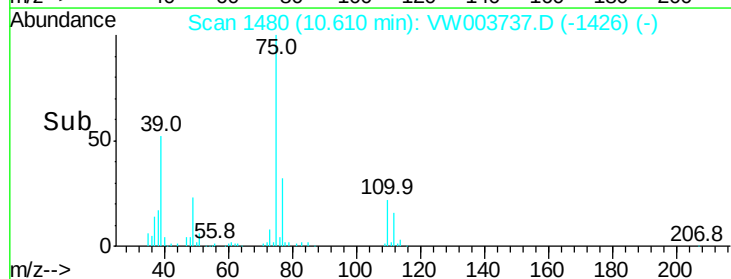
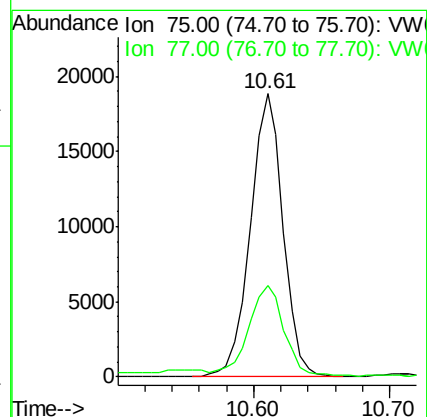
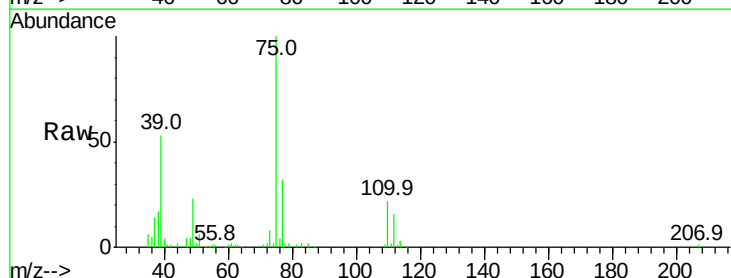
Acq: 06 Jul 2018 10:21

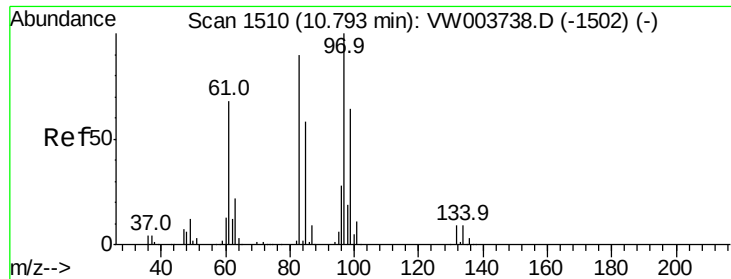
Tgt Ion: 75 Resp: 31686

Ion Ratio Lower Upper

75 100

77 32.4 22.8 42.4

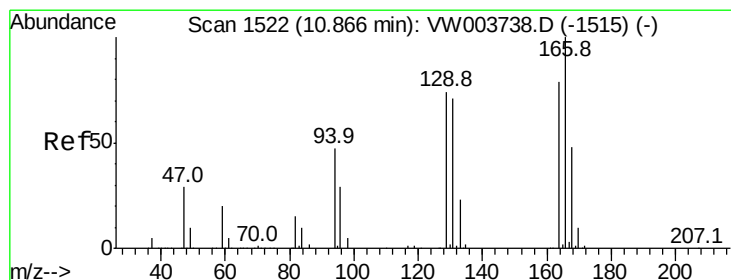
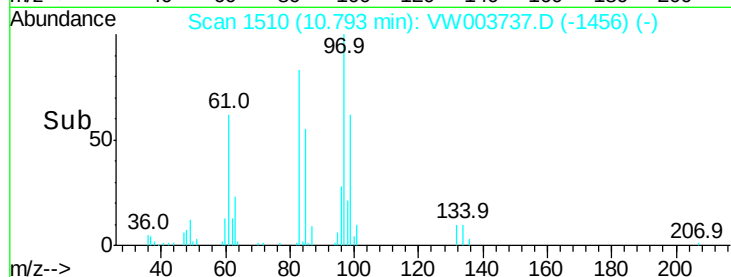
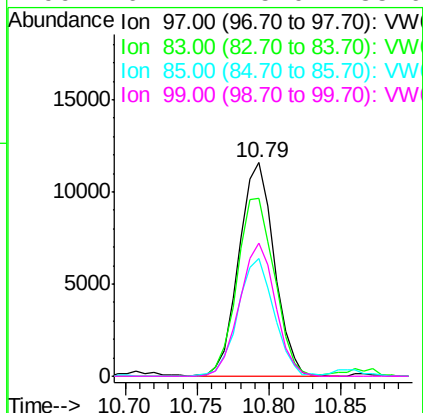
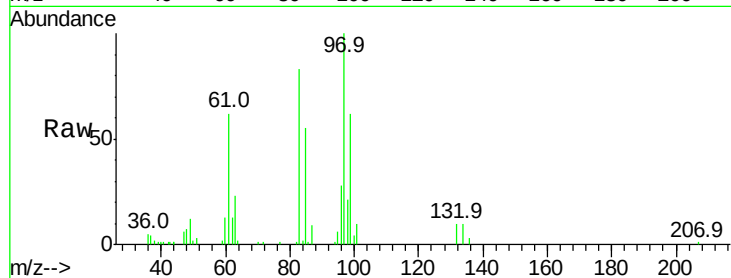




#46
 1,1,2-Trichloroethane
 Concen: 5.635 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

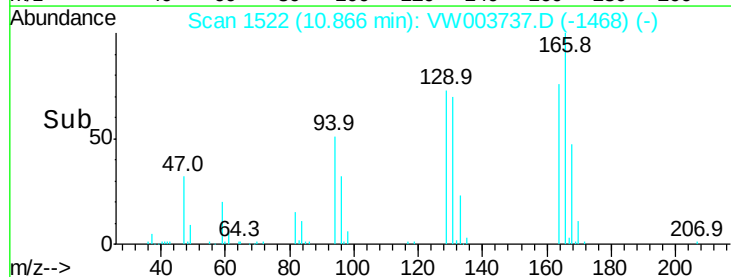
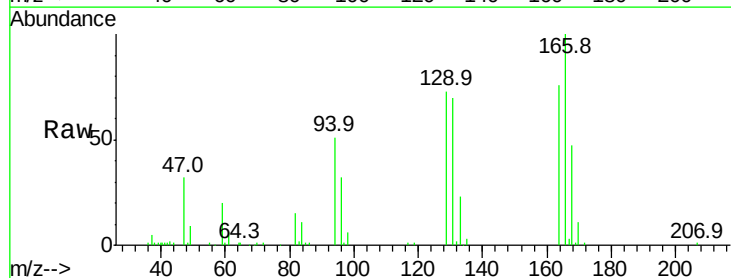
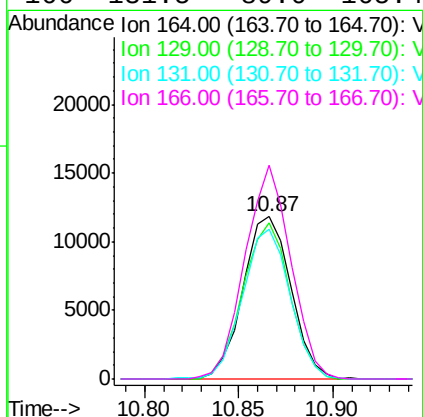
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

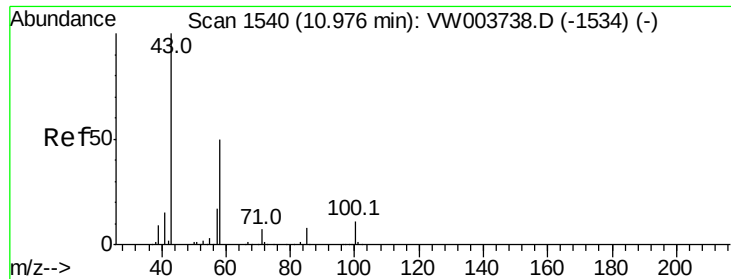
Tgt Ion: 97 Resp: 19842
 Ion Ratio Lower Upper
 97 100
 83 83.4 62.7 116.5
 85 55.3 40.3 74.9
 99 62.1 45.0 83.6



#47
 Tetrachloroethene
 Concen: 5.143 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

Tgt Ion: 164 Resp: 20879
 Ion Ratio Lower Upper
 164 100
 129 96.0 65.9 122.3
 131 92.3 63.4 117.8
 166 131.5 89.0 165.4

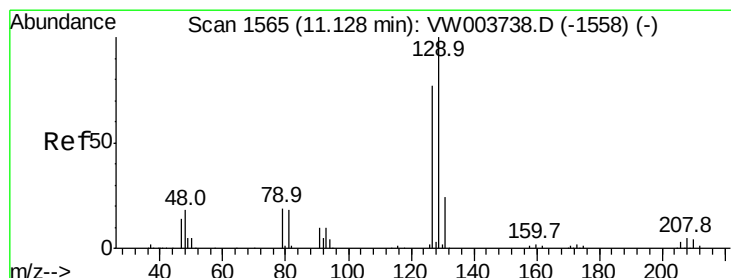
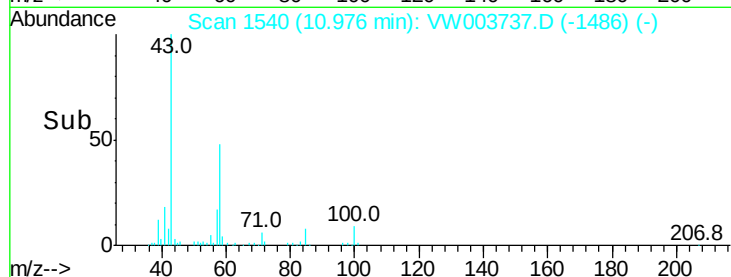
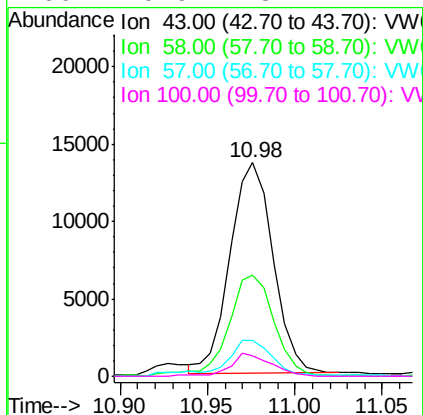
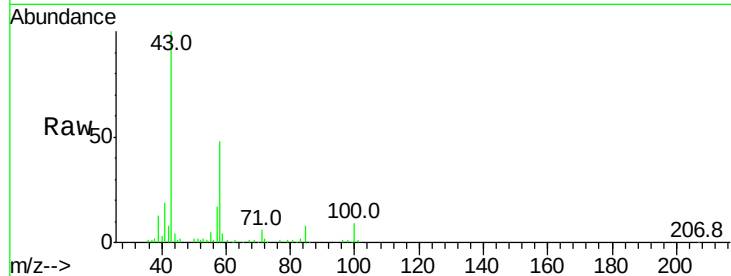




#49
2-Hexanone
Concen: 9.262 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

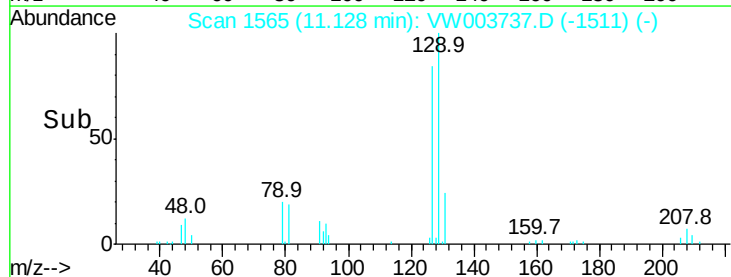
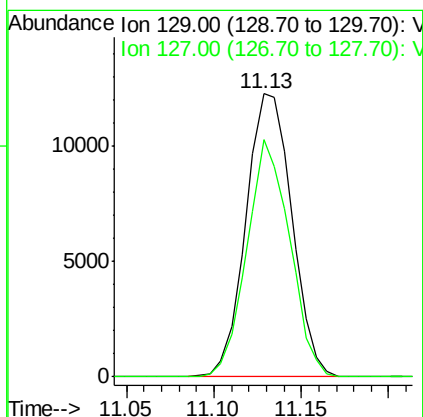
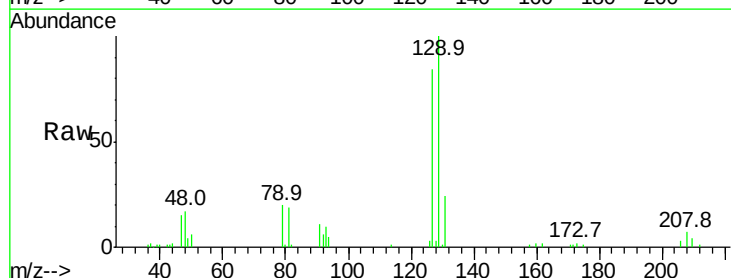
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

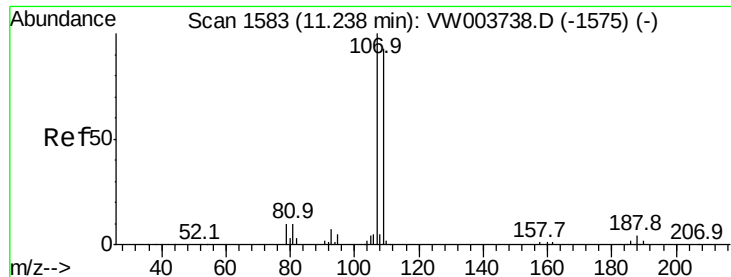
Tgt Ion:	43	Resp:	23258
Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.4	59.2
57	17.0	14.2	21.4
100	9.9	8.2	12.4



#50
Dibromochloromethane
Concen: 5.236 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Tgt Ion:	129	Resp:	22446
Ion	Ratio	Lower	Upper
129	100		
127	83.8	54.0	100.2

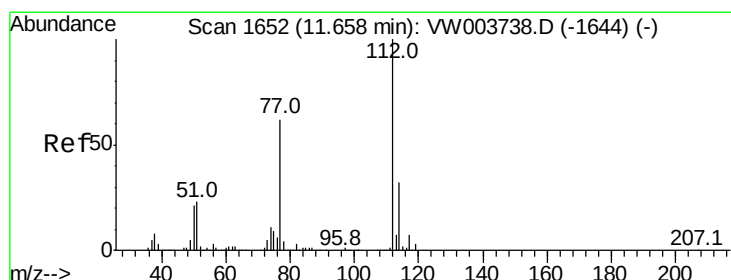
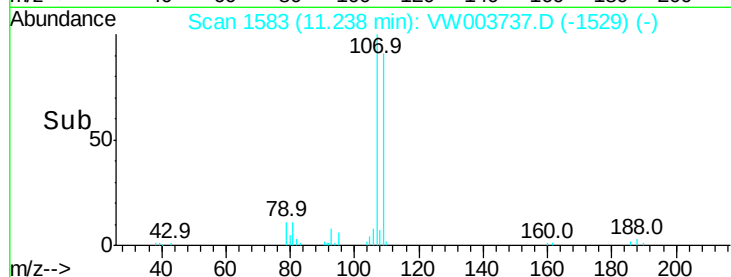
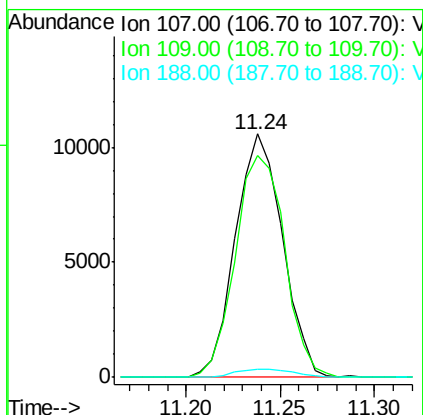
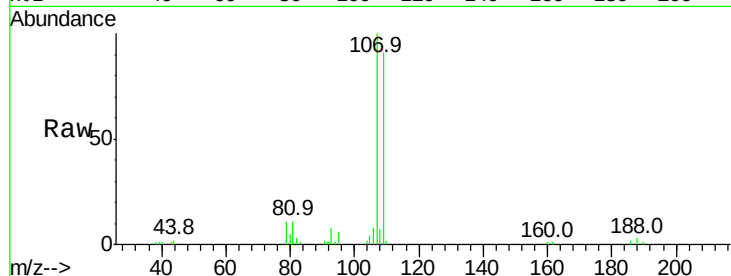




#51
1,2-Dibromoethane
Concen: 5.258 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

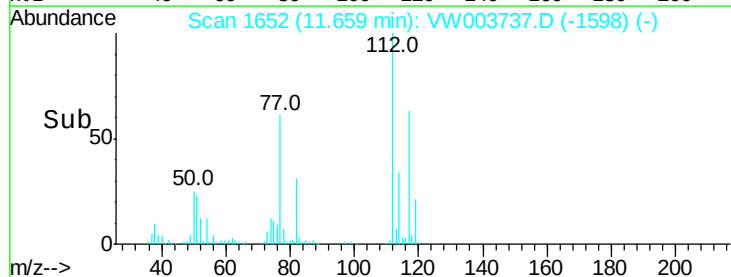
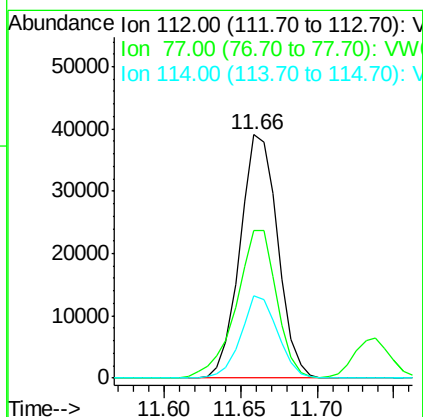
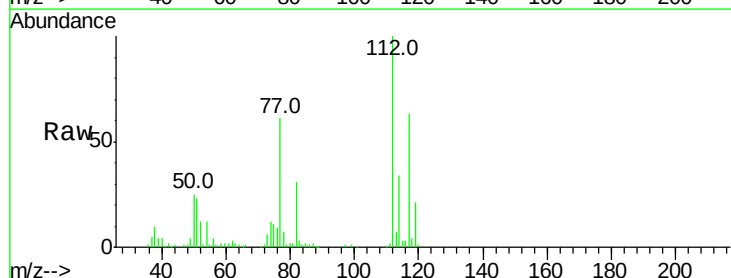
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

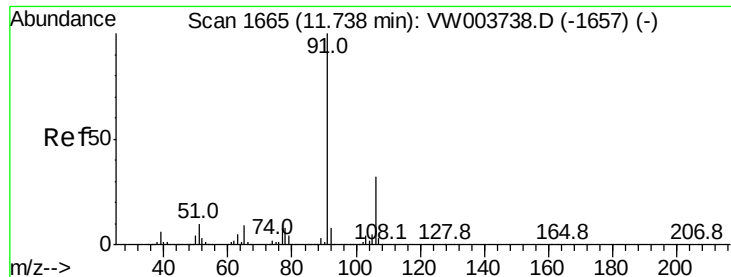
Tgt Ion:107 Resp: 18398
Ion Ratio Lower Upper
107 100
109 91.1 64.8 120.3
188 3.2 3.4 5.0#



#52
Chlorobenzene
Concen: 5.294 ug/L
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Tgt Ion:112 Resp: 66826
Ion Ratio Lower Upper
112 100
77 60.8 49.9 74.9
114 34.0 22.5 41.7





#53

Ethylbenzene

Concen: 4.940 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

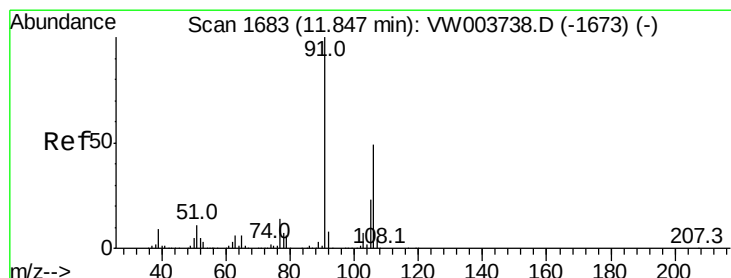
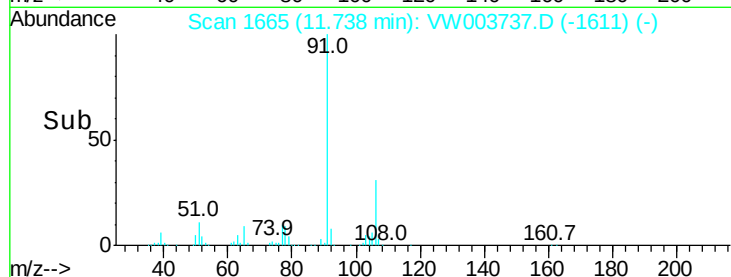
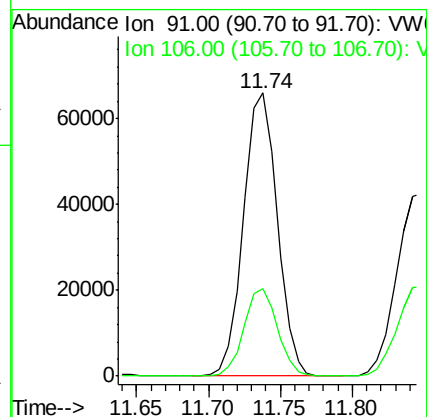
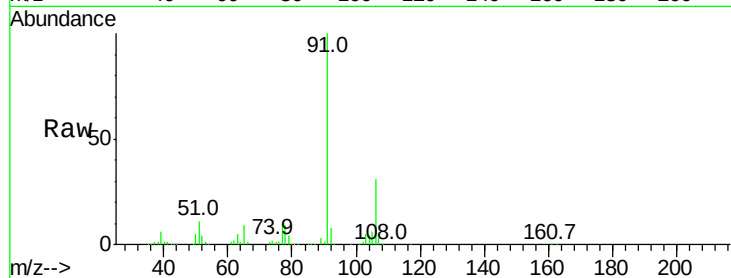
VSTD00582

Tgt Ion: 91 Resp: 107714

Ion Ratio Lower Upper

91 100

106 31.0 22.1 41.1



#54

m,p-Xylene

Concen: 4.896 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW003737.D

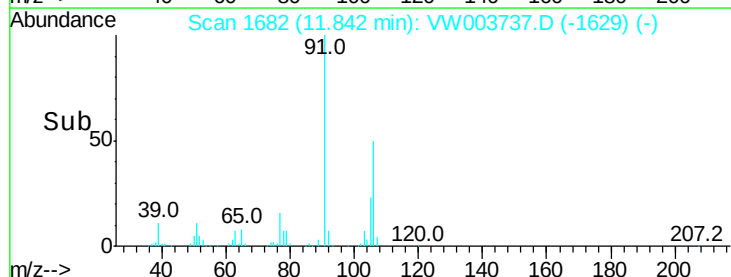
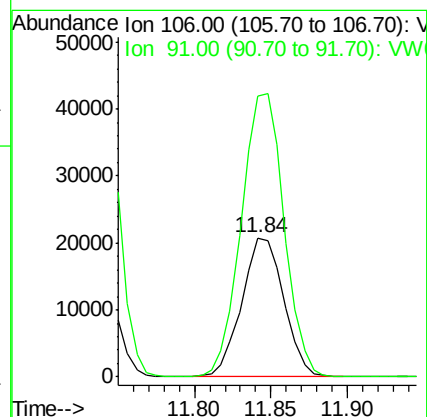
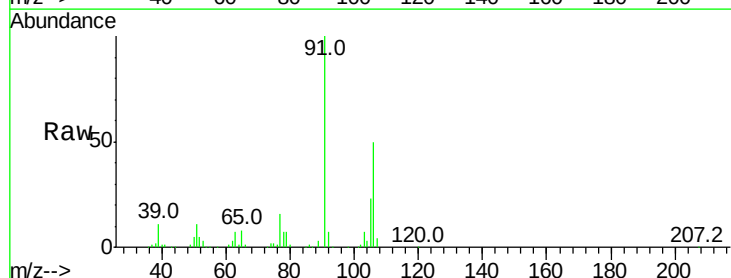
Acq: 06 Jul 2018 10:21

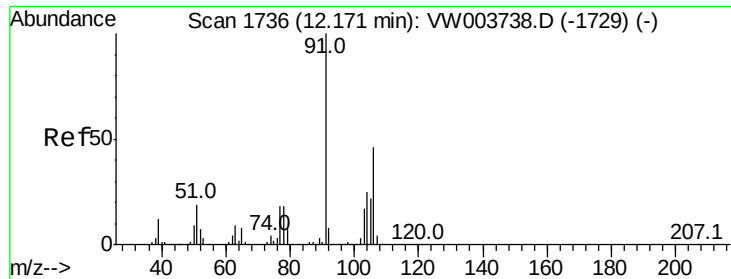
Tgt Ion: 106 Resp: 39653

Ion Ratio Lower Upper

106 100

91 201.7 142.5 264.6

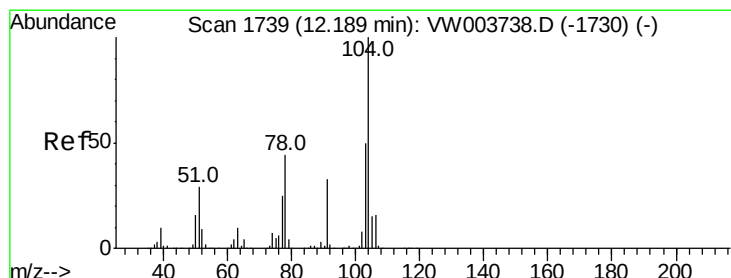
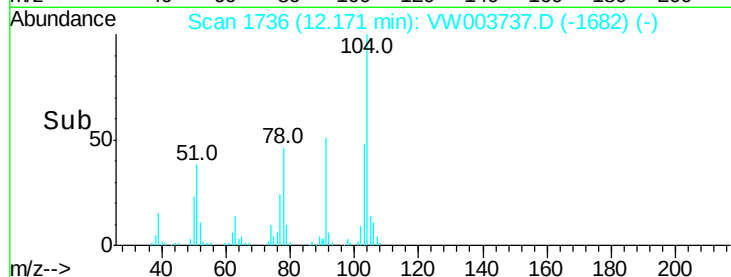
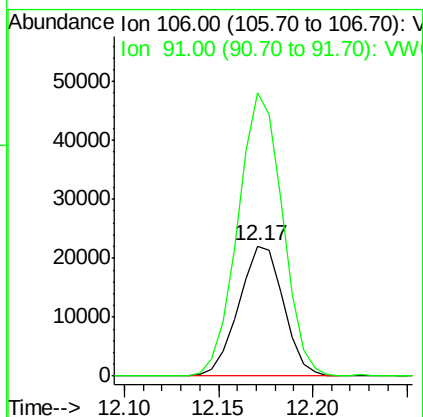
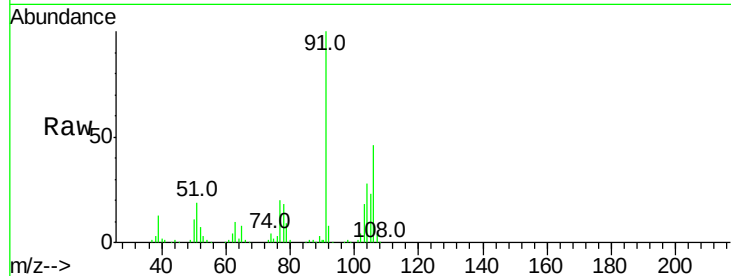




#55
o-xylene
Concen: 4.730 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

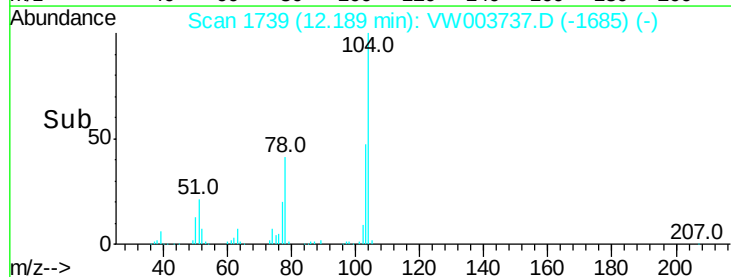
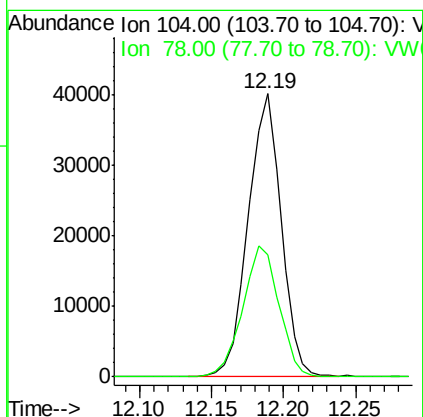
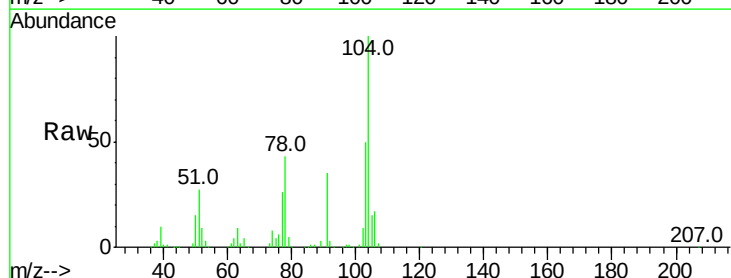
Instrument :
MSVOA_W
ClientSampled :
VSTD00582

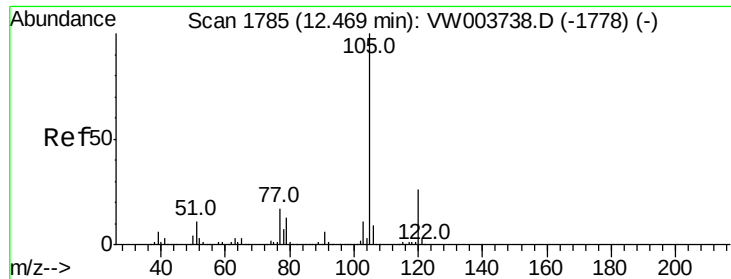
Tgt Ion:106 Resp: 36440
Ion Ratio Lower Upper
106 100
91 218.0 153.7 285.5



#56
Styrene
Concen: 4.790 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003737.D
Acq: 06 Jul 2018 10:21

Tgt Ion:104 Resp: 63702
Ion Ratio Lower Upper
104 100
78 43.2 30.9 57.3





#57

Isopropylbenzene

Concen: 4.632 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

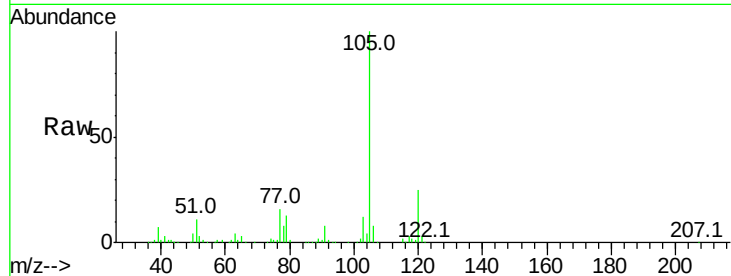
Tgt Ion:105 Resp: 99003

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

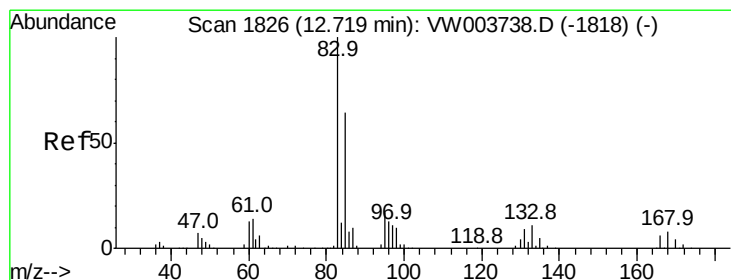
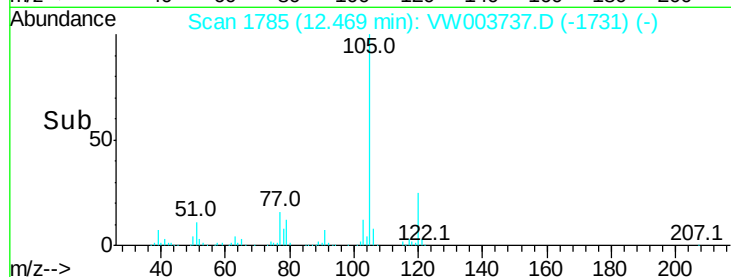
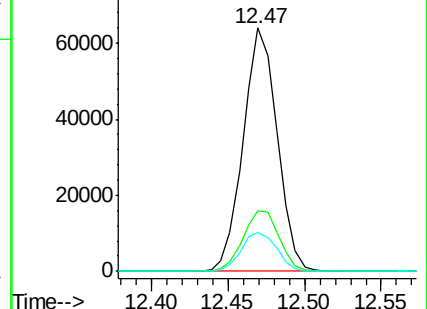
77 16.8 13.2 19.8



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: 5.514 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

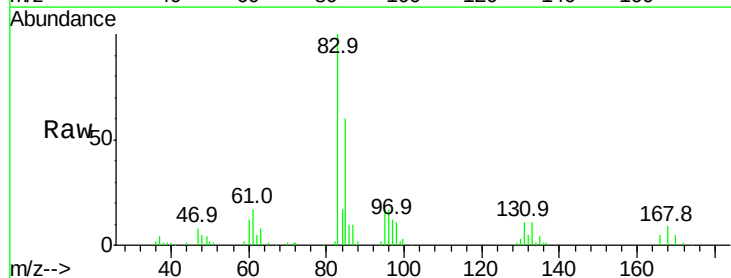
Tgt Ion: 83 Resp: 25595

Ion Ratio Lower Upper

83 100

85 60.2 45.1 83.9

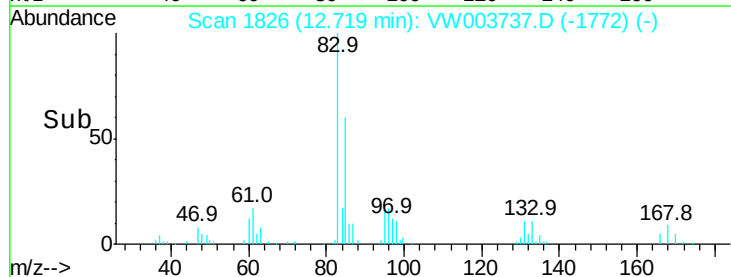
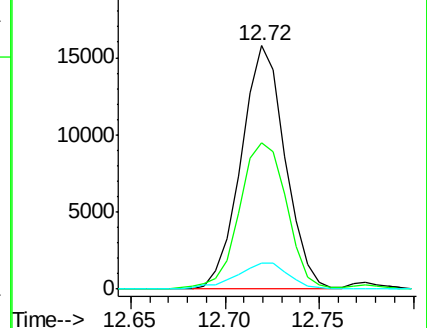
131 10.9 7.5 11.3

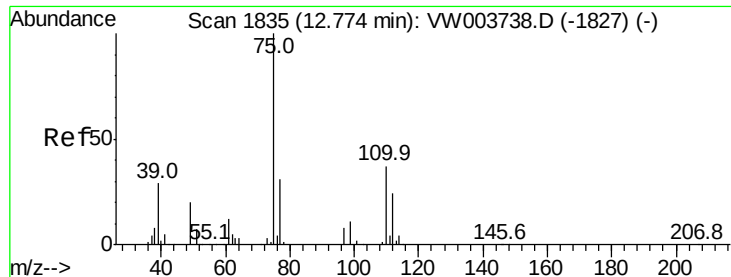


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.267 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

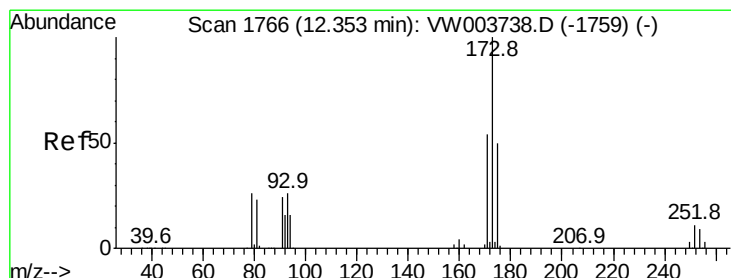
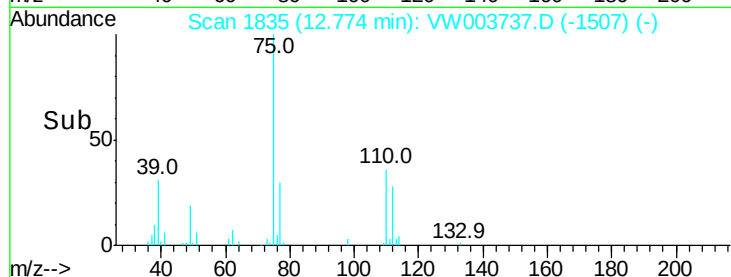
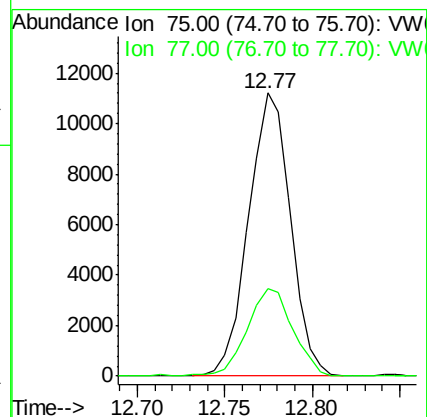
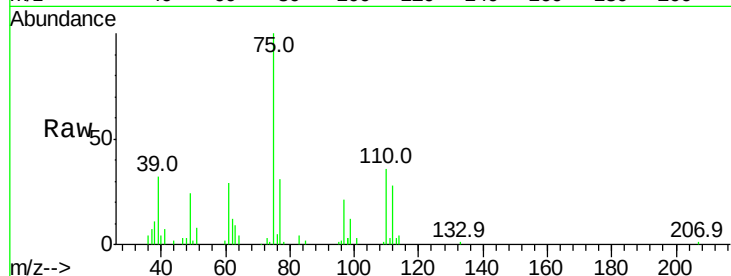
VSTD00582

Tgt Ion: 75 Resp: 18737

Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.0



#62

Bromoform

Concen: 5.197 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

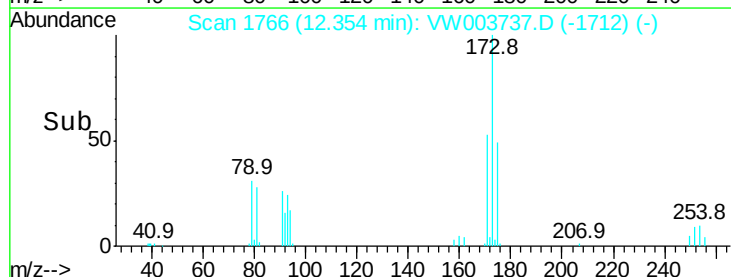
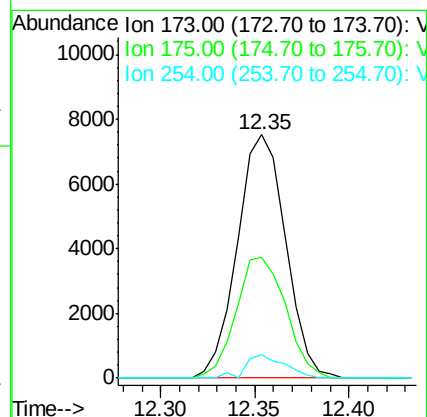
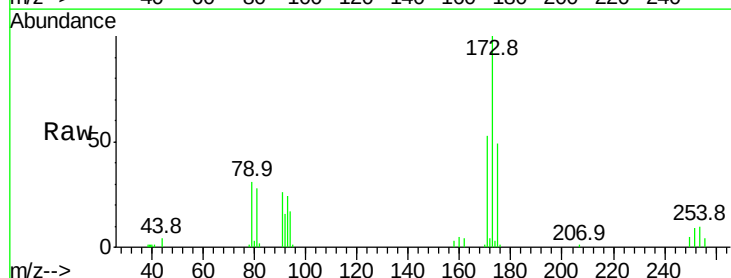
Tgt Ion: 173 Resp: 13373

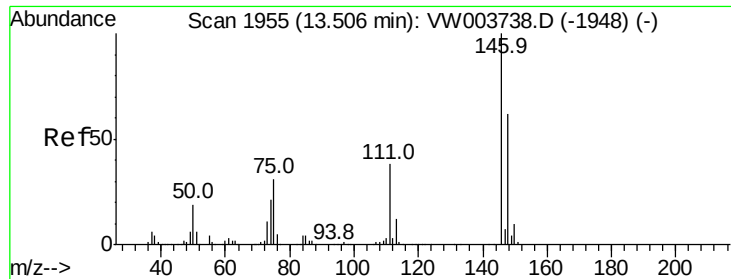
Ion Ratio Lower Upper

173 100

175 51.0 39.5 59.3

254 7.2 7.4 11.0#

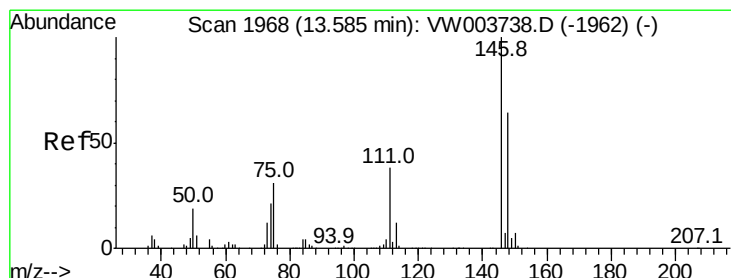
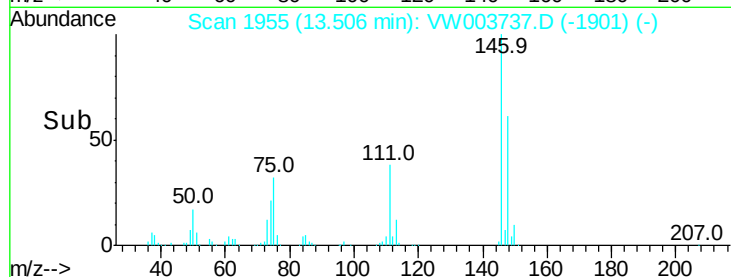
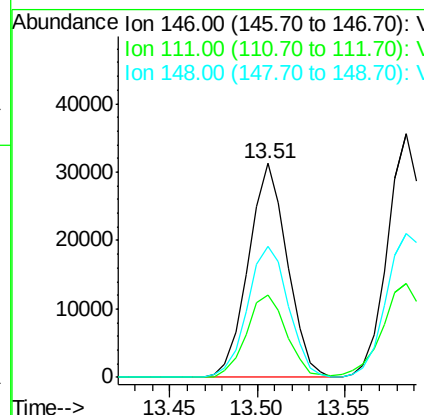
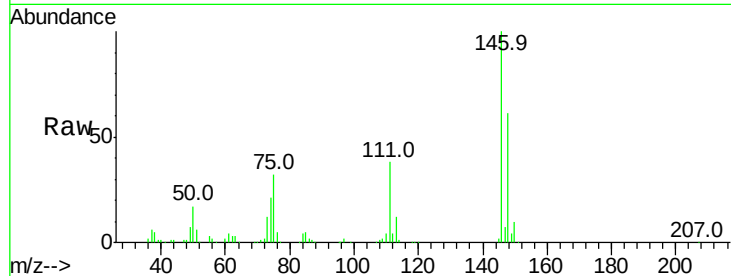




#63
 1,3-Dichlorobenzene
 Concen: 5.137 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

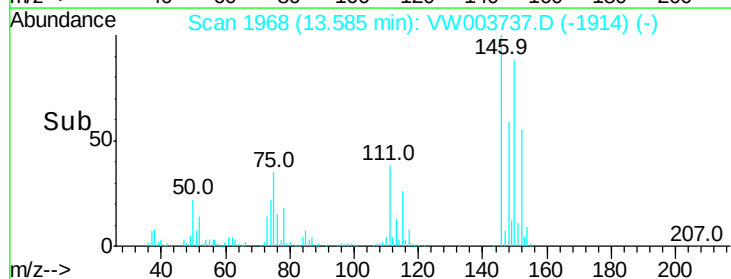
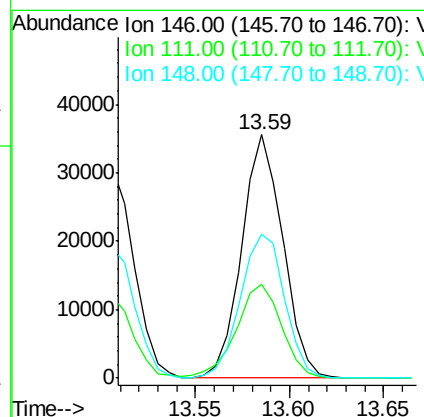
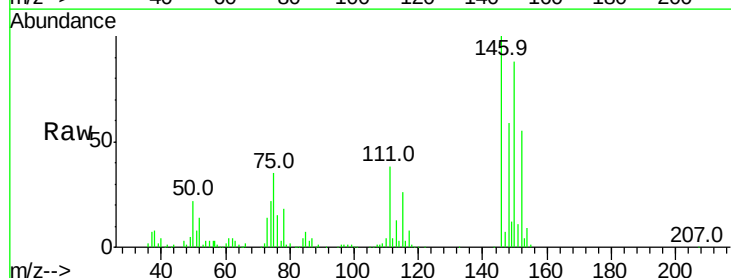
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

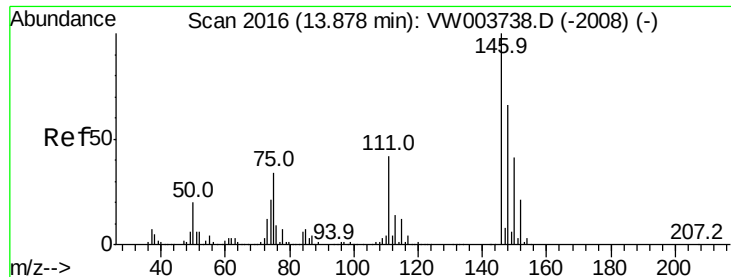
Tgt Ion:146 Resp: 48297
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.9 50.1
 148 61.0 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 5.461 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

Tgt Ion:146 Resp: 53823
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.0 50.2
 148 59.2 44.5 82.7

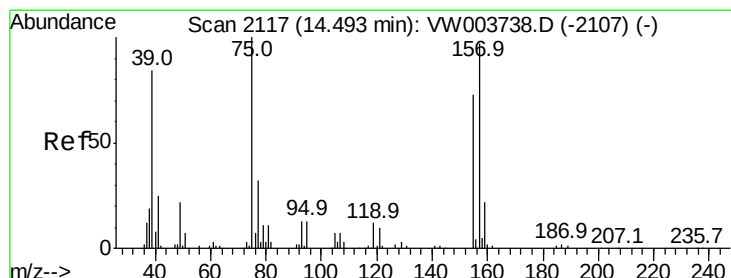
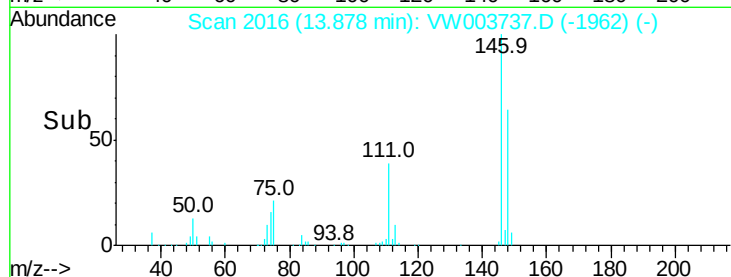
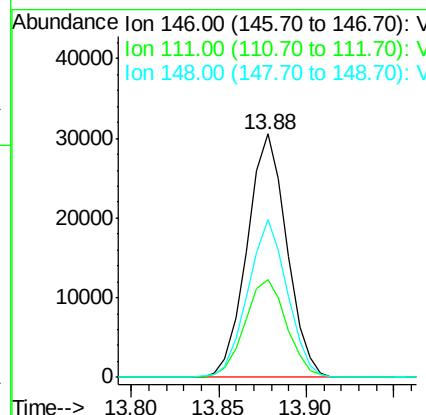
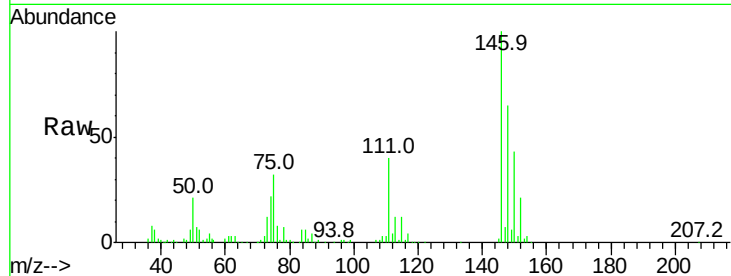




#65
 1,2-Dichlorobenzene
 Concen: 5.372 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

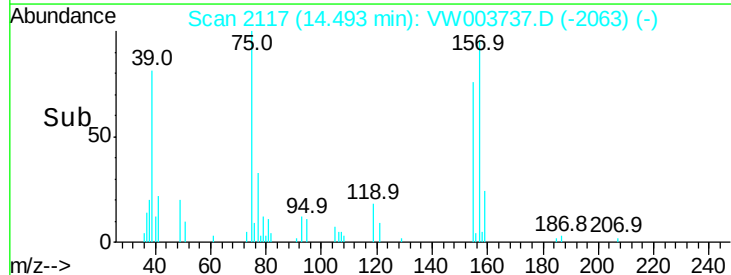
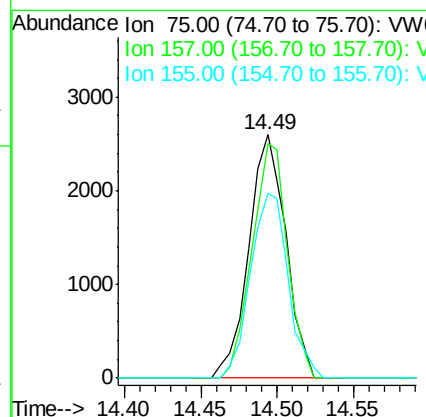
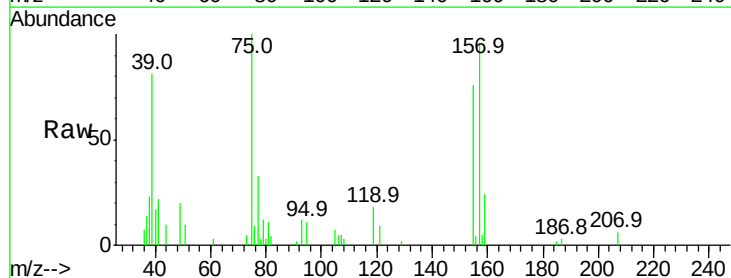
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

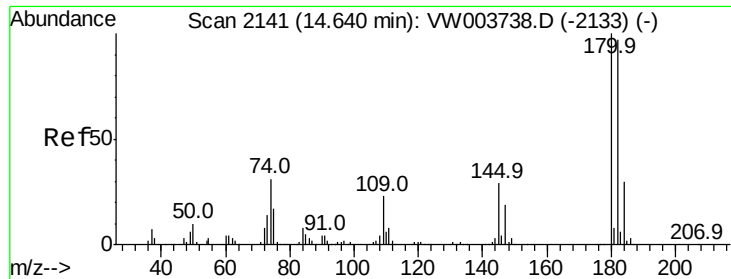
Tgt Ion: 146 Resp: 48213
 Ion Ratio Lower Upper
 146 100
 111 40.2 33.8 50.8
 148 64.7 52.8 79.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.535 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

Tgt Ion: 75 Resp: 4360
 Ion Ratio Lower Upper
 75 100
 157 96.3 77.3 115.9
 155 76.1 58.2 87.2

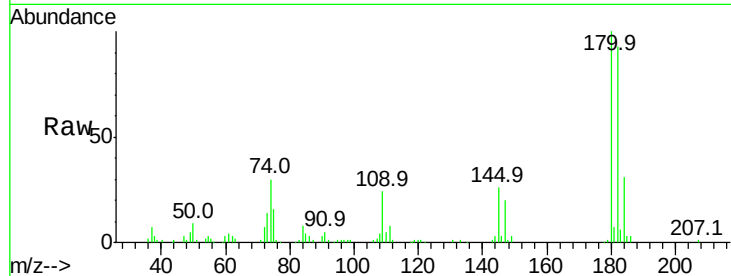




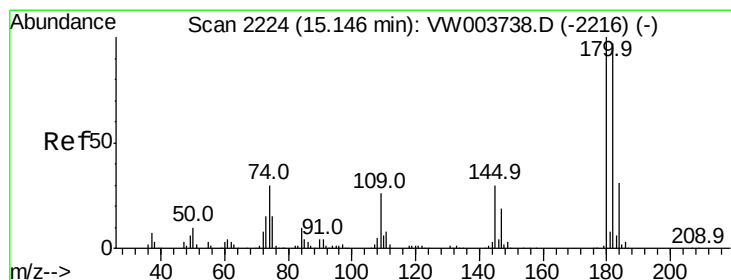
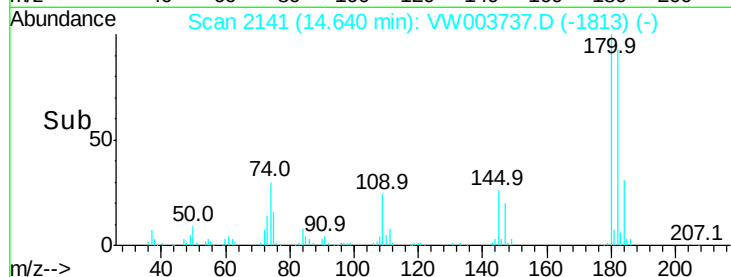
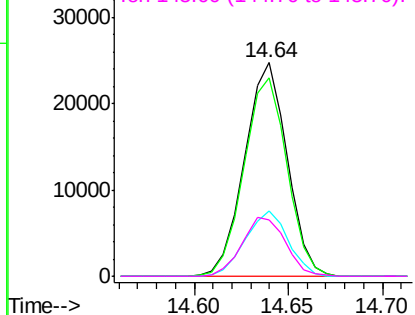
#67
 1,3,5-Trichlorobenzene
 Concen: 5.307 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

Tgt Ion:180 Resp: 38768
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.7 115.1
 184 30.7 24.1 36.1
 145 28.4 23.5 35.3

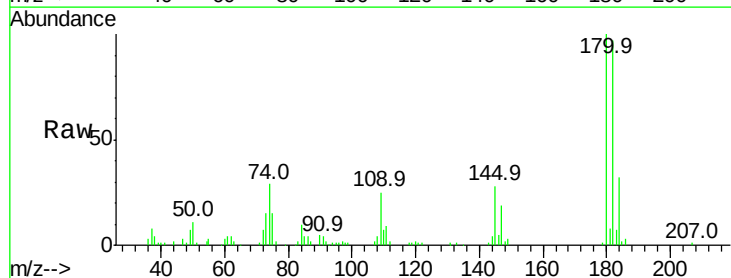


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

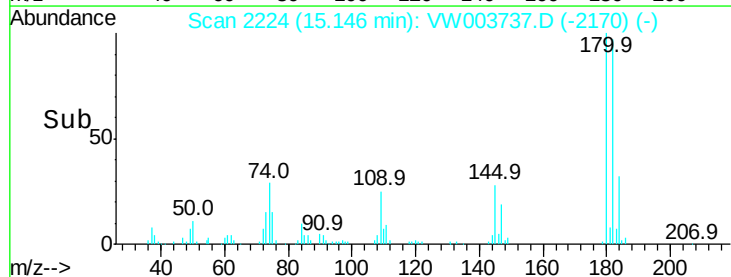
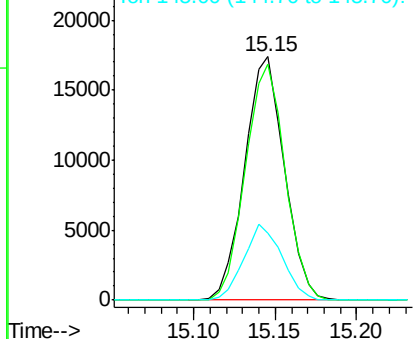


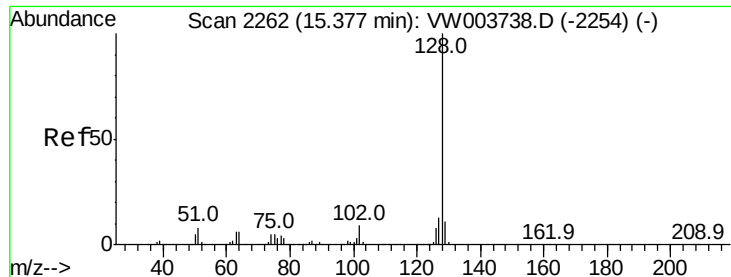
#68
 1,2,4-trichlorobenzene
 Concen: 4.955 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003737.D
 Acq: 06 Jul 2018 10:21

Tgt Ion:180 Resp: 29470
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.2
 145 29.9 23.8 35.6



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





#69

Naphthalene

Concen: 4.623 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

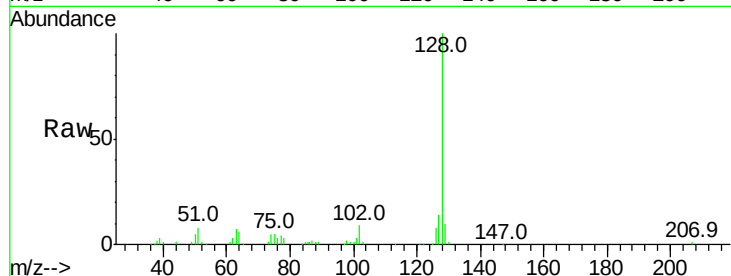
Tgt Ion:128 Resp: 51437

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

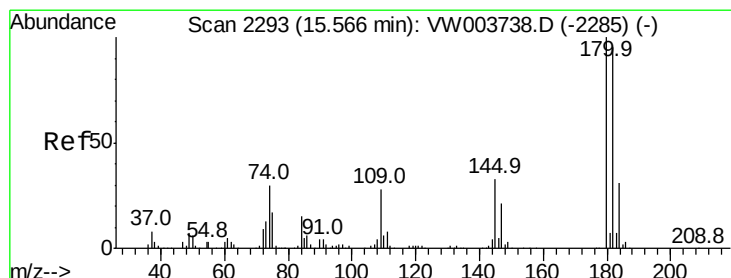
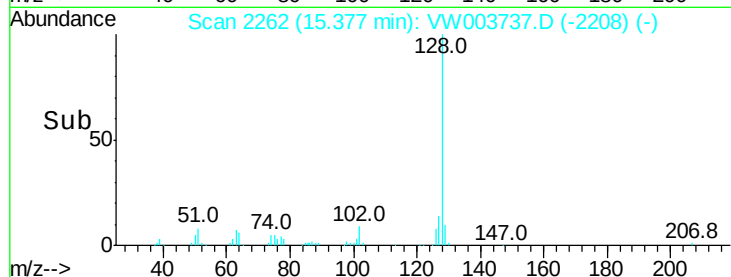
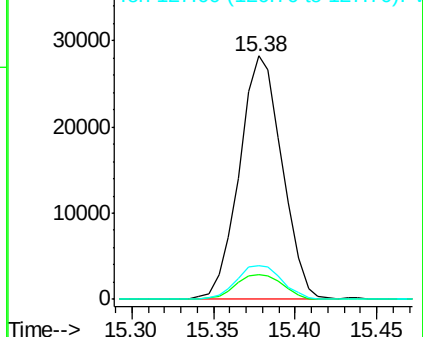
127 14.9 10.9 16.3



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: 5.240 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003737.D

Acq: 06 Jul 2018 10:21

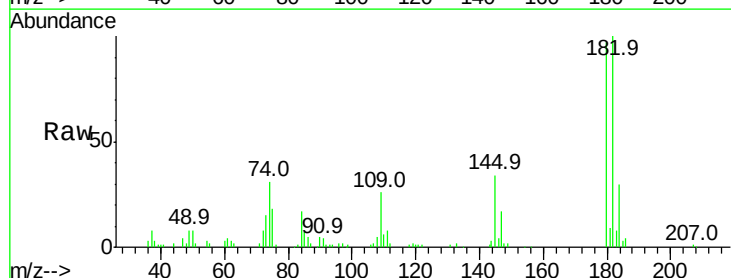
Tgt Ion:180 Resp: 28560

Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

145 32.7 25.0 37.6



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

