

Data File : VW005938.D
Acq On : 09 Oct 2018 12:27
Operator : SY/AP
Sample : VSTD02596
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

Quant Time: Oct 09 14:03:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 09 11:19:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	335559	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	312156	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	169457	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	92005	21.51	ug/L	0.00
7) Chloroethane-d5	2.90	69	83298	24.96	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	180427	19.32	ug/L	0.00
20) 2-Butanone-d5	7.09	46	79364	57.79	ug/L	0.00
24) Chloroform-d	7.65	84	192955	22.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	108540	20.79	ug/L	0.00
29) Benzene-d6	8.27	84	382559	24.76	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	114822	25.71	ug/L	0.00
37) Toluene-d8	10.33	98	383140	25.11	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	57185	24.38	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	66220	63.31	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124312	28.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	160488	26.77	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	74681	18.980	ug/L	100
3) Chloromethane	2.21	50	65771	17.944	ug/L	97
5) Vinyl chloride	2.37	62	115494	21.853	ug/L	97
6) Bromomethane	2.79	94	86808	27.300	ug/L	100
8) Chloroethane	2.93	64	69907	23.790	ug/L	96
9) Trichlorofluoromethane	3.26	101	94195	23.326	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	92456	20.267	ug/L	97
12) 1,1-Dichloroethene	4.03	96	88805	20.383	ug/L	86
13) Acetone	4.13	43	70009	48.954	ug/L	65
14) Carbon disulfide	4.38	76	289156	21.167	ug/L	98
15) Methyl Acetate	4.68	43	54406	21.437	ug/L	100
16) Methylene chloride	4.92	84	90384	16.336	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	148370	21.403	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	96725	21.586	ug/L	91
19) 1,1-Dichloroethane	6.21	63	156762	18.907	ug/L	99
21) 2-Butanone	7.18	43	89676	52.360	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	104282	21.410	ug/L	90
23) Bromochloromethane	7.52	128	49557	21.923	ug/L	91
25) Chloroform	7.68	83	166987	18.824	ug/L	99
27) 1,2-Dichloroethane	8.40	62	116123	17.779	ug/L	# 93
30) Cyclohexane	7.96	56	157947	22.325	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	152529	19.953	ug/L	98
32) Carbon tetrachloride	8.07	117	147234	19.779	ug/L	100
34) Benzene	8.32	78	367764	20.851	ug/L	100
35) Trichloroethene	9.09	95	103085	21.846	ug/L	95
36) Methylcyclohexane	9.34	83	188679	22.995	ug/L	94
40) 1,2-Dichloropropane	9.37	63	89443	20.809	ug/L	100
41) Bromodichloromethane	9.65	83	121475	20.100	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	148986	20.989	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	158880	45.294	ug/L	97

Data File : VW005938.D
Acq On : 09 Oct 2018 12:27
Operator : SY/AP
Sample : VSTD02596
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

Quant Time: Oct 09 14:03:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 09 11:19:00 2018
Response via : Initial Calibration

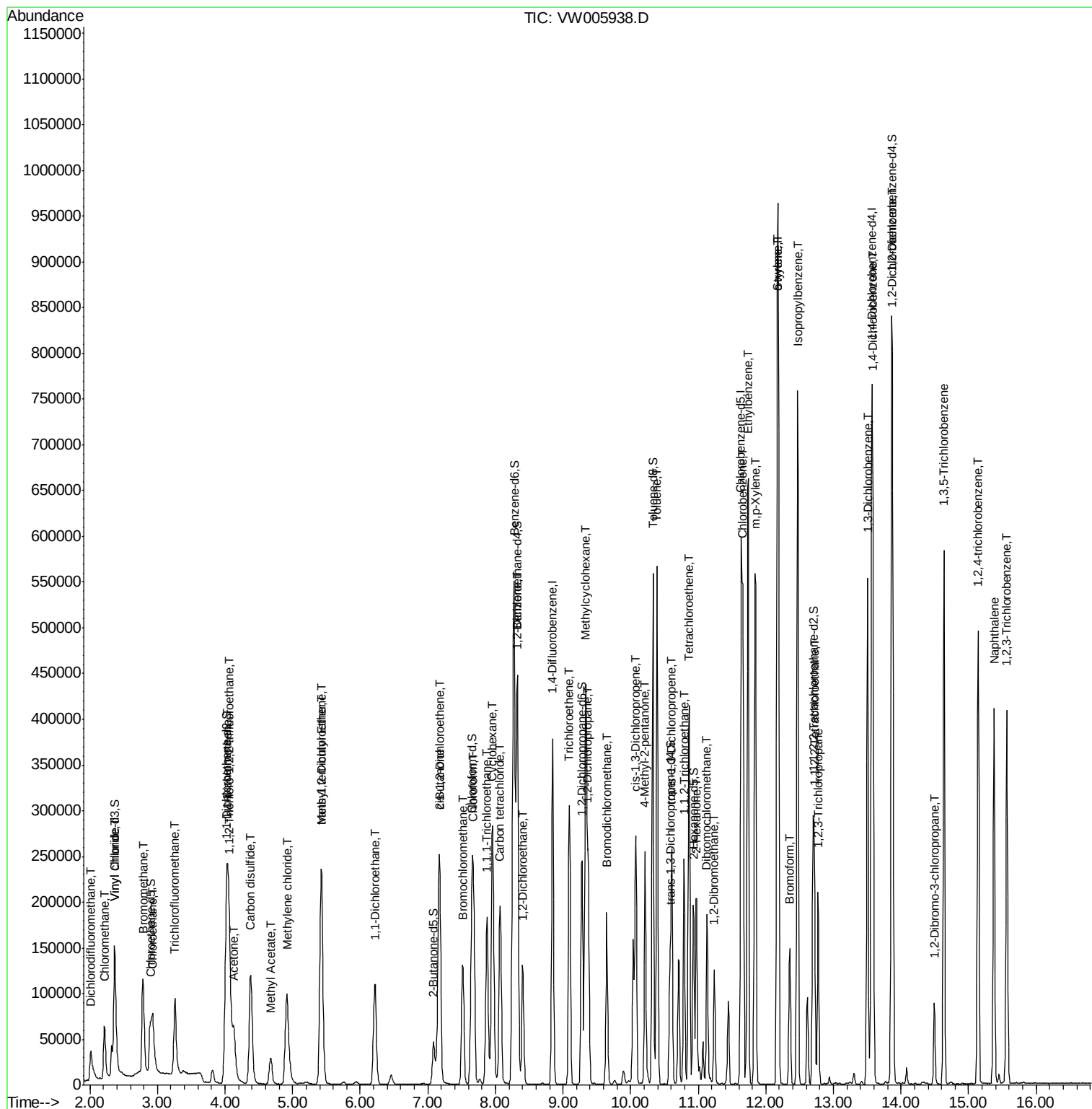
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	409674	20.785	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	131806	19.941	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76970	21.459	ug/L	98
47) Tetrachloroethene	10.87	164	94861	22.819	ug/L	94
49) 2-Hexanone	10.97	43	130513	53.005	ug/L	99
50) Dibromochloromethane	11.13	129	98253	21.842	ug/L	95
51) 1,2-Dibromoethane	11.24	107	81972	23.639	ug/L	95
52) Chlorobenzene	11.66	112	276975	21.361	ug/L	97
53) Ethylbenzene	11.74	91	477279	21.148	ug/L	97
54) m,p-Xylene	11.84	106	186926	21.985	ug/L	91
55) o-xylene	12.17	106	178582	22.284	ug/L	93
56) Styrene	12.18	104	304191	21.630	ug/L	98
57) Isopropylbenzene	12.47	105	498054	21.759	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.72	83	106533	23.283	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	80499	21.673	ug/L	98
62) Bromoform	12.35	173	67909	22.536	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	237501	22.065	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	238183	21.189	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	218536	21.100	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	20247	20.560	ug/L #	69
67) 1,3,5-Trichlorobenzene	14.64	180	191857	21.718	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	166100	22.888	ug/L	99
69) Naphthalene	15.38	128	360444	24.788	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	150223	22.087	ug/L	98

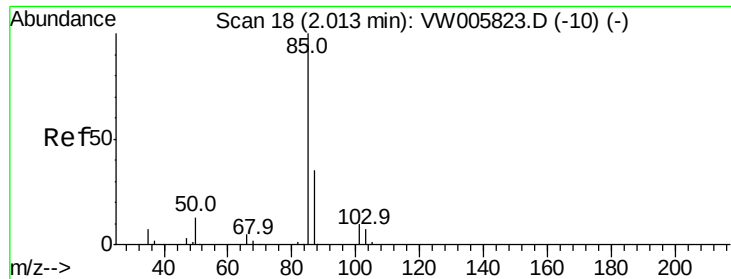
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW005938.D
Acq On : 09 Oct 2018 12:27
Operator : SY/AP
Sample : VSTD02596
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02596

Quant Time: Oct 09 14:03:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 09 11:19:00 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 18.980 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

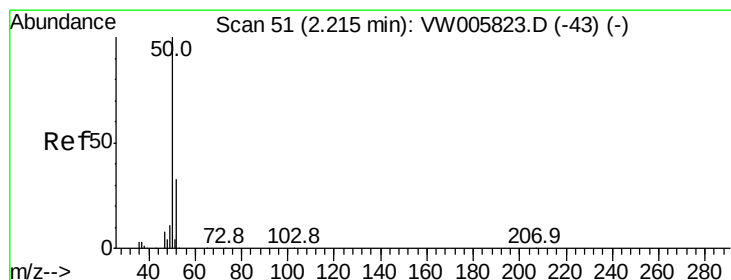
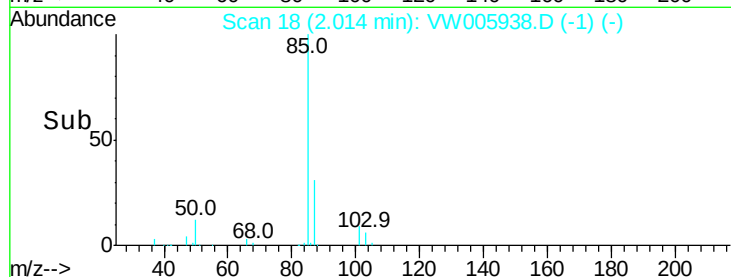
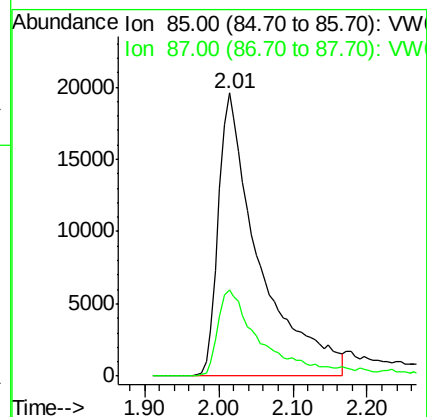
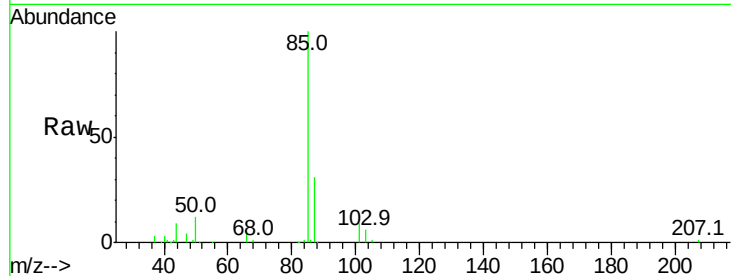
VSTD02596

Tgt Ion: 85 Resp: 74681

Ion Ratio Lower Upper

85 100

87 27.4 19.2 35.6



#3

Chloromethane

Concen: 17.944 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005938.D

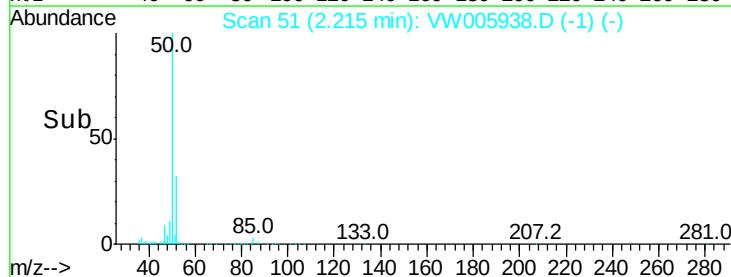
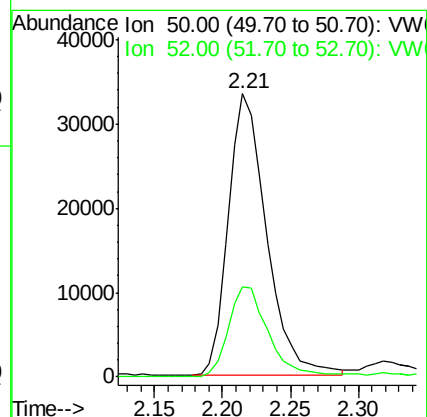
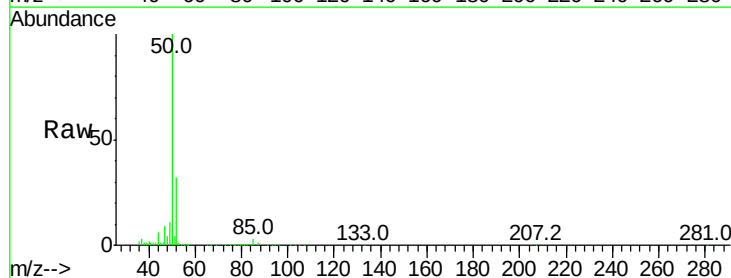
Acq: 09 Oct 2018 12:27

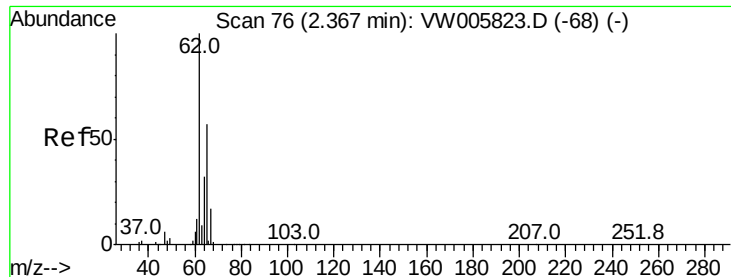
Tgt Ion: 50 Resp: 65771

Ion Ratio Lower Upper

50 100

52 31.8 23.4 43.4





#5

Vinyl chloride

Concen: 21.853 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

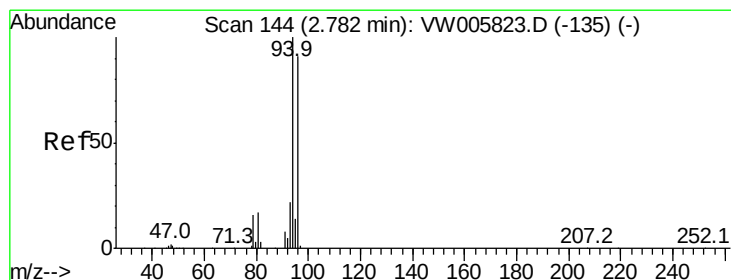
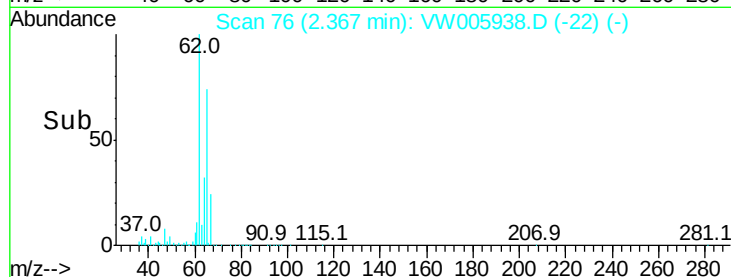
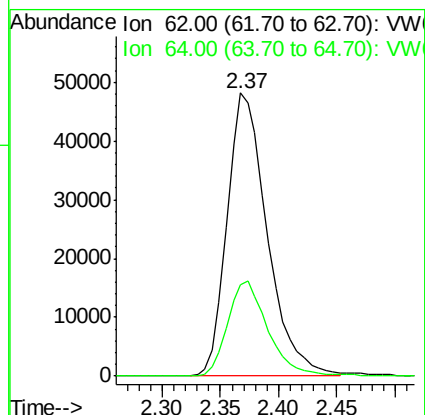
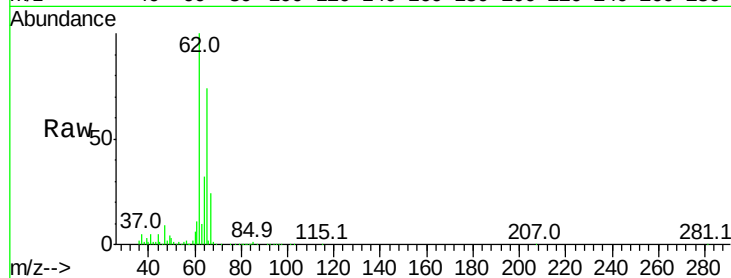
VSTD02596

Tgt Ion: 62 Resp: 115494

Ion Ratio Lower Upper

62 100

64 32.5 24.1 44.7



#6

Bromomethane

Concen: 27.300 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW005938.D

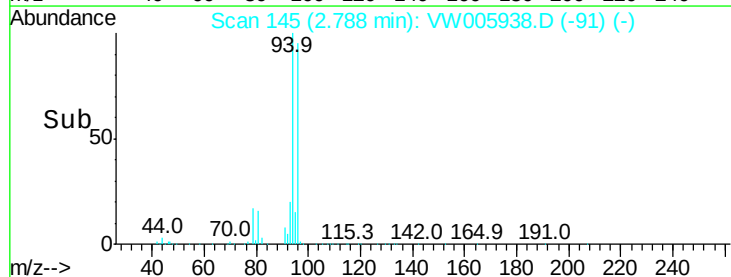
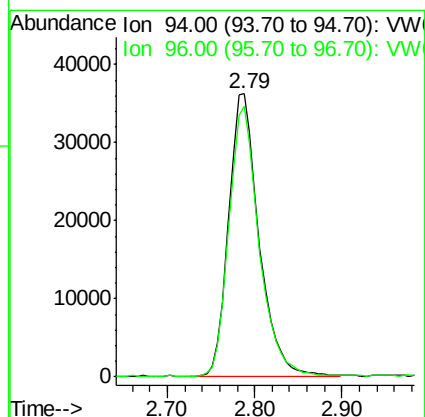
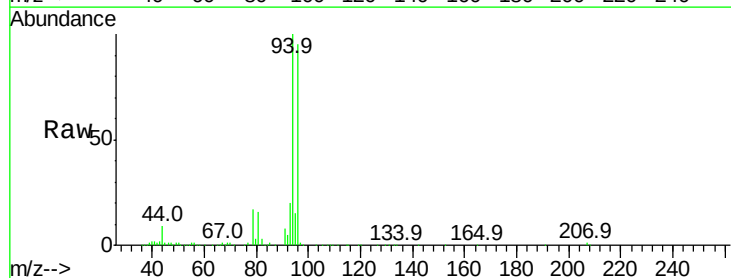
Acq: 09 Oct 2018 12:27

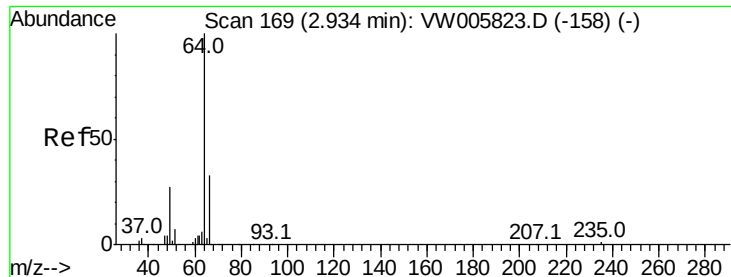
Tgt Ion: 94 Resp: 86808

Ion Ratio Lower Upper

94 100

96 95.4 9.6 181.6





#8

Chloroethane

Concen: 23.790 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

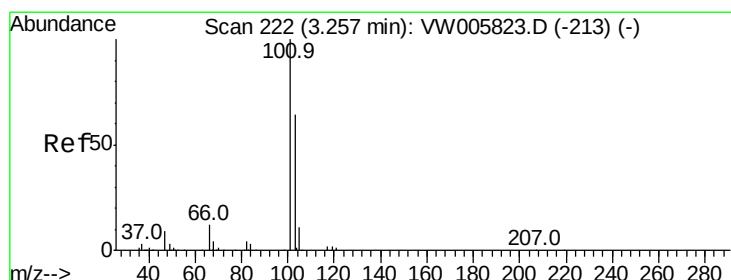
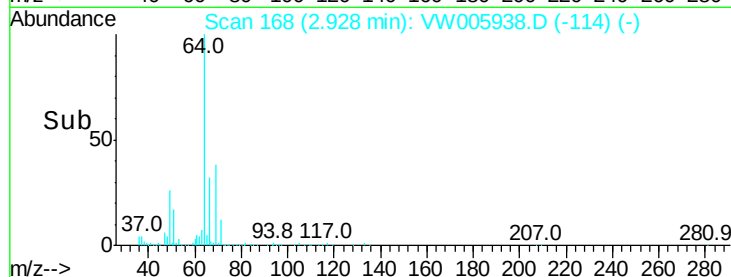
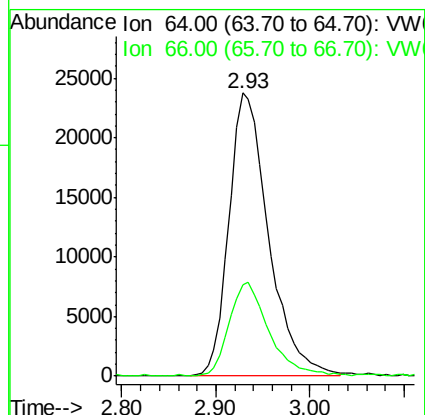
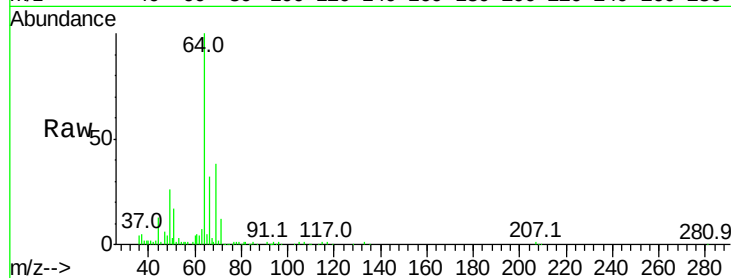
VSTD02596

Tgt Ion: 64 Resp: 69907

Ion Ratio Lower Upper

64 100

66 32.4 21.1 39.3



#9

Trichlorofluoromethane

Concen: 23.326 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW005938.D

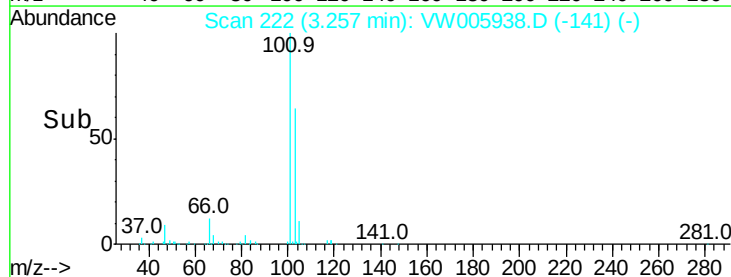
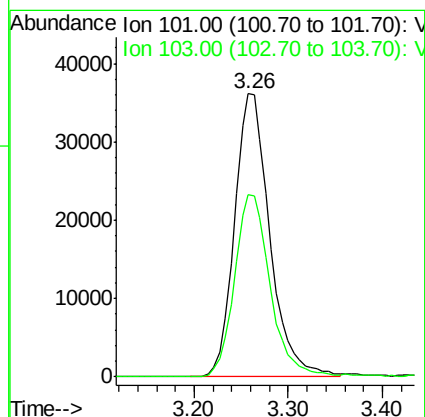
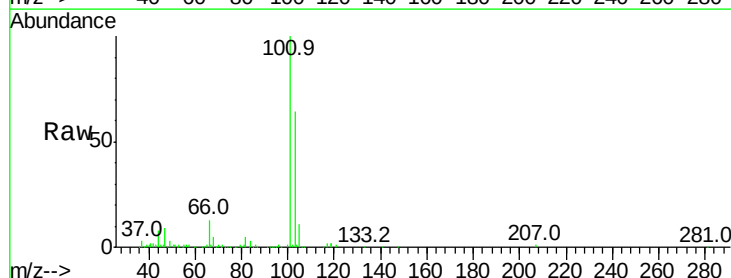
Acq: 09 Oct 2018 12:27

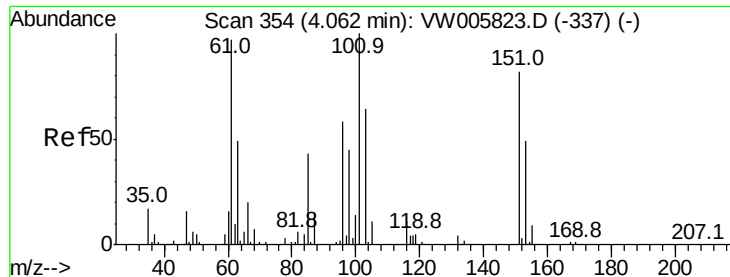
Tgt Ion: 101 Resp: 94195

Ion Ratio Lower Upper

101 100

103 65.1 44.9 83.5





#11

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

Concen: 20.267 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

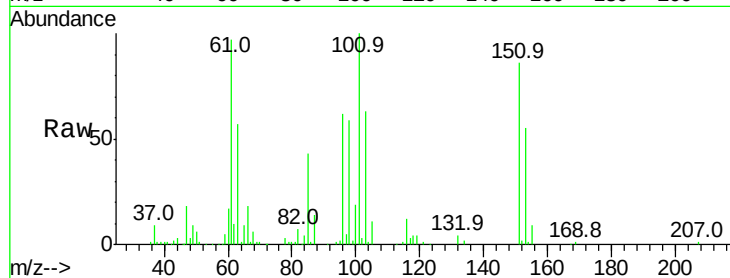
Tgt Ion:101 Resp: 92456

Ion Ratio Lower Upper

101 100

85 41.8 35.0 52.4

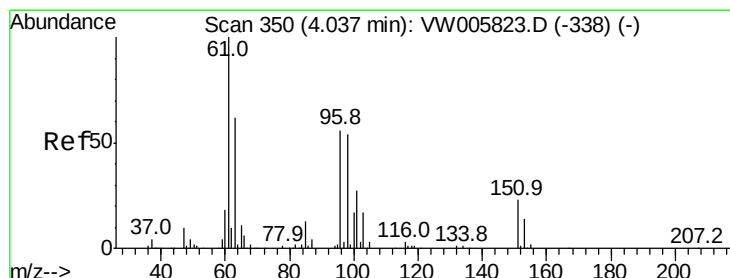
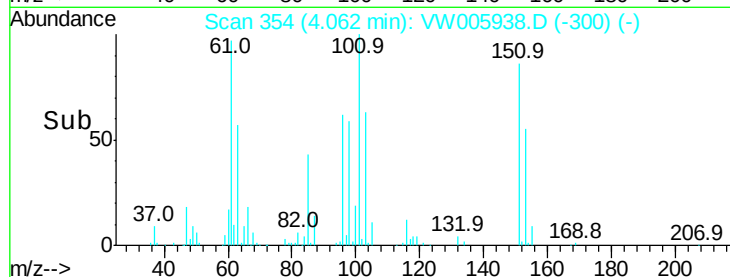
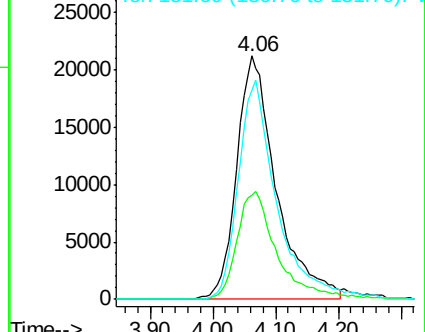
151 85.9 66.4 99.6



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: 20.383 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

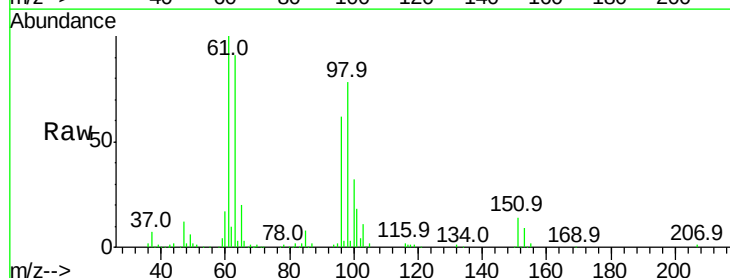
Tgt Ion: 96 Resp: 88805

Ion Ratio Lower Upper

96 100

61 160.5 121.4 225.6

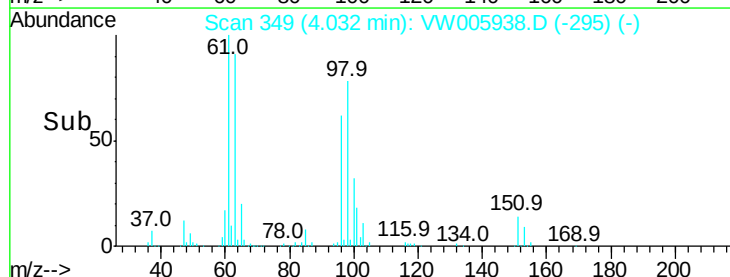
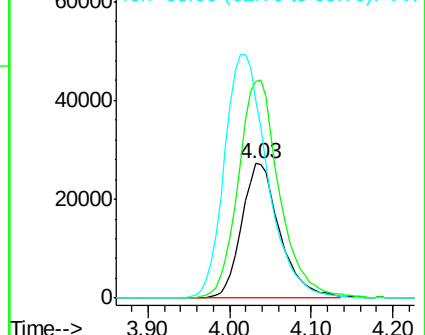
63 146.6 87.2 161.9

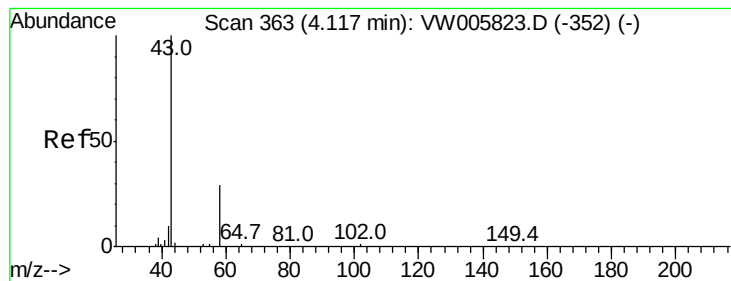


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.954 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

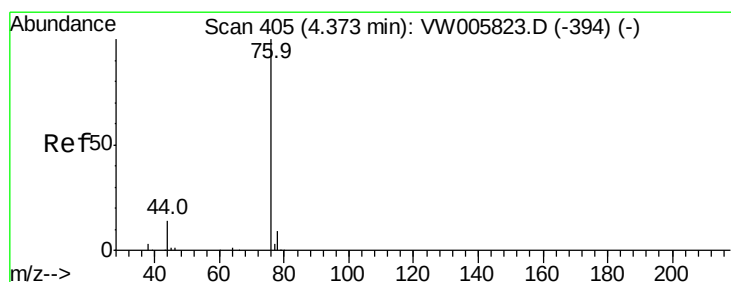
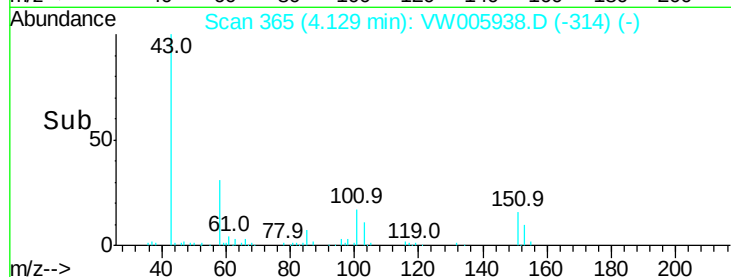
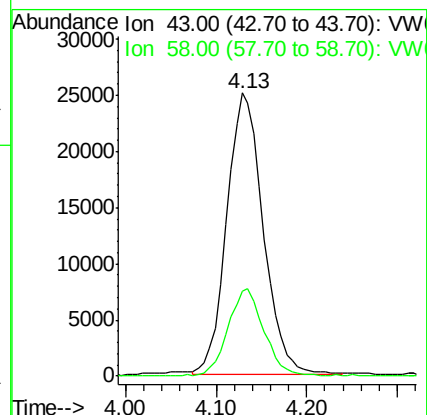
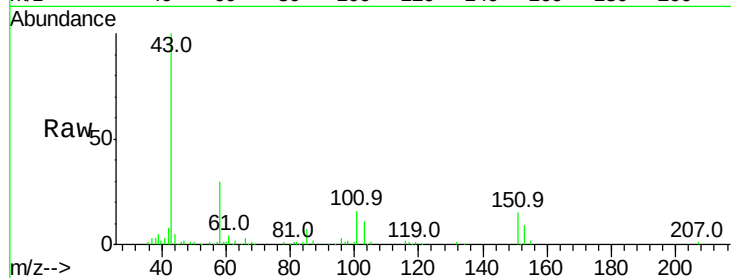
VSTD02596

Tgt Ion: 43 Resp: 70009

Ion Ratio Lower Upper

43 100

58 30.6 0.0 31.8



#14

Carbon disulfide

Concen: 21.167 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005938.D

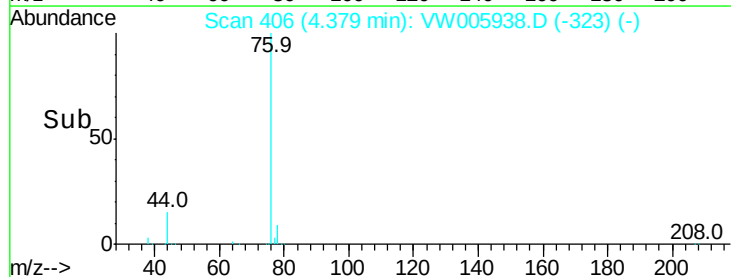
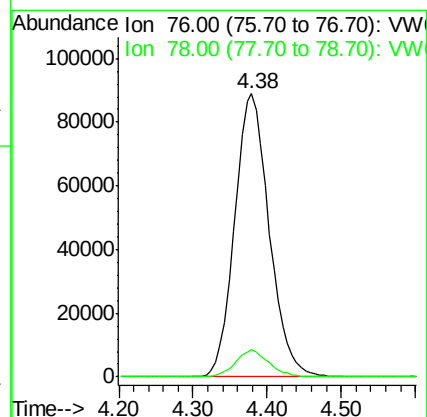
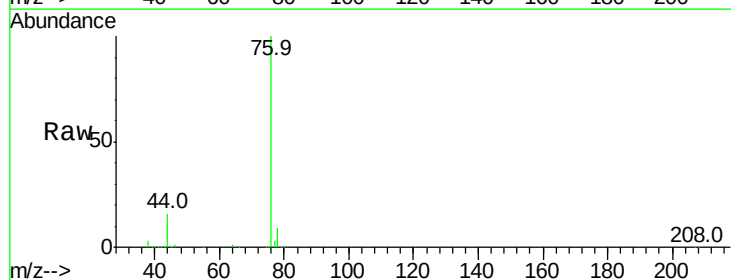
Acq: 09 Oct 2018 12:27

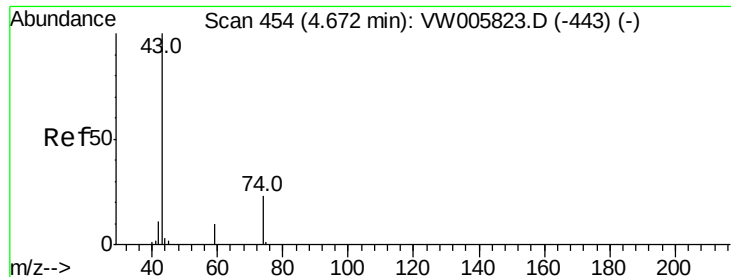
Tgt Ion: 76 Resp: 289156

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7





#15

Methyl Acetate

Concen: 21.437 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

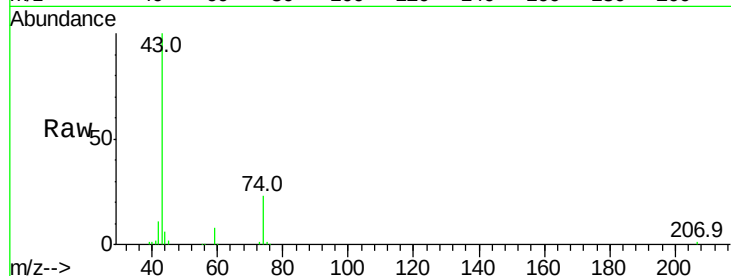
VSTD02596

Tgt Ion: 43 Resp: 54406

Ion Ratio Lower Upper

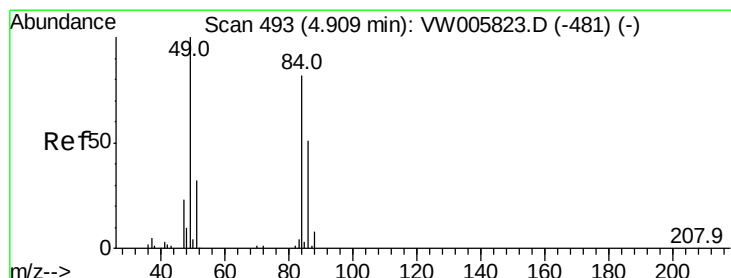
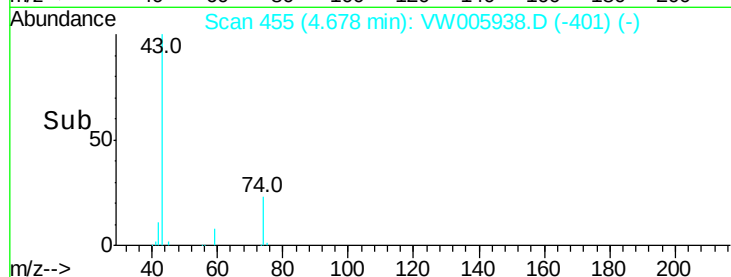
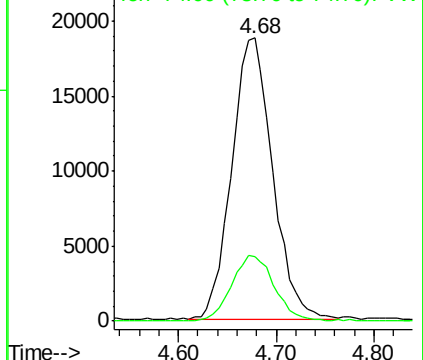
43 100

74 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 16.336 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

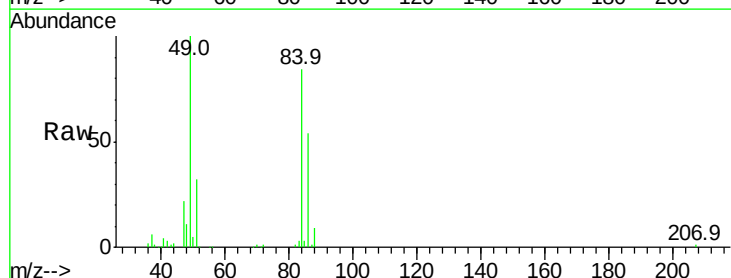
Tgt Ion: 84 Resp: 90384

Ion Ratio Lower Upper

84 100

49 119.3 87.2 162.0

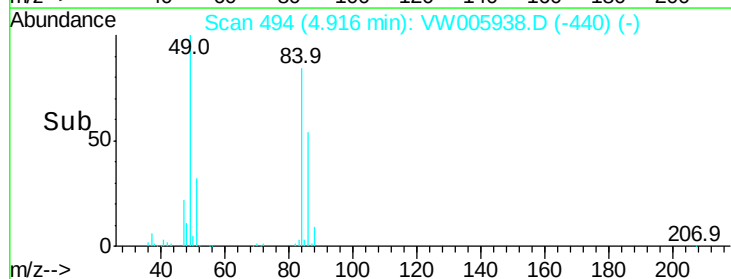
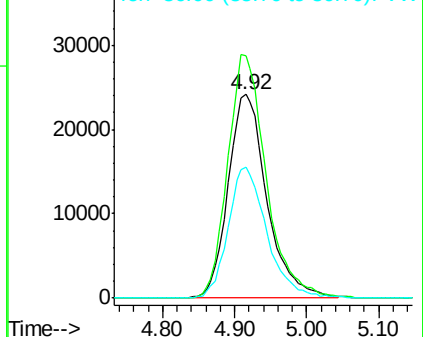
86 64.2 43.2 80.2

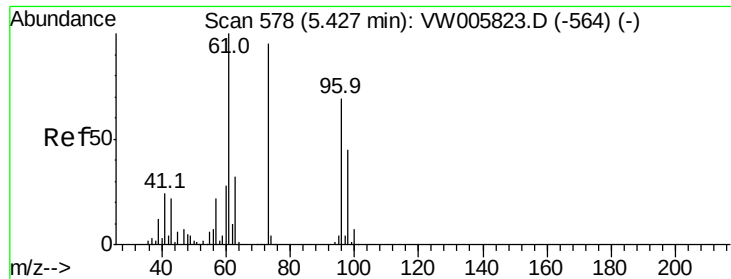


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

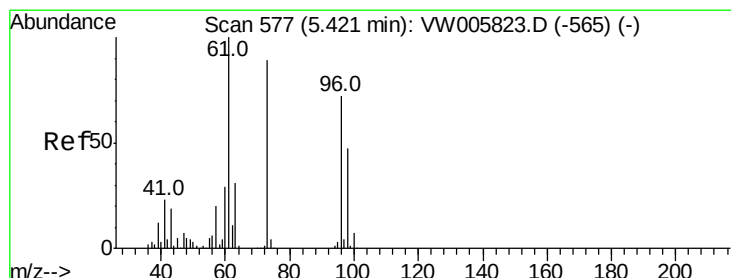
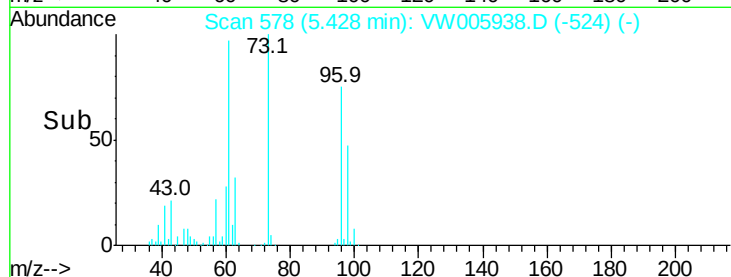
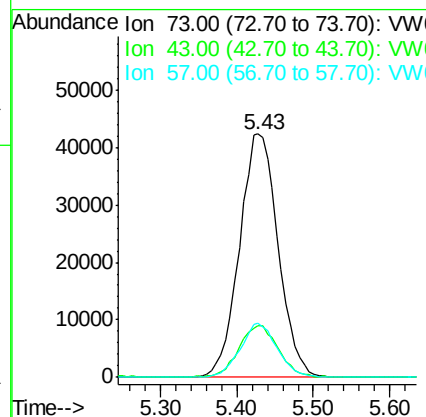
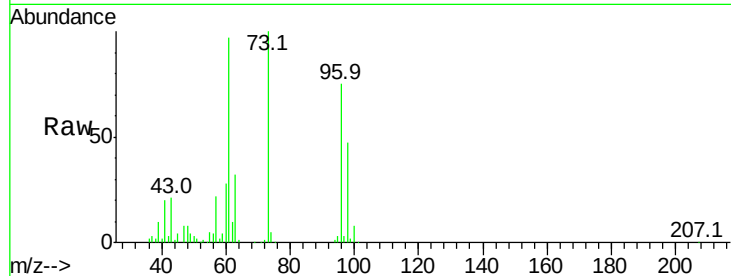




#17
Methyl tert-butyl Ether
Concen: 21.403 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

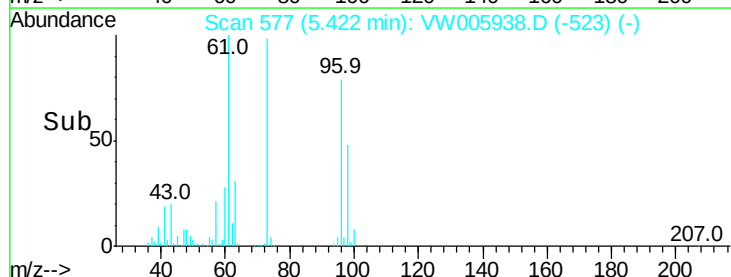
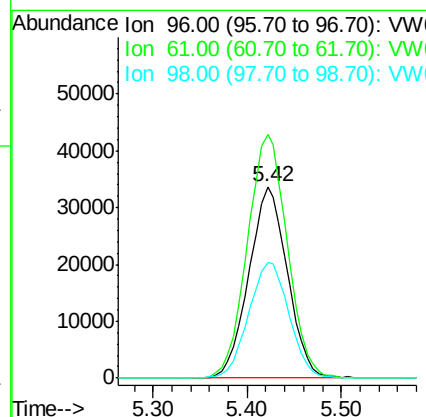
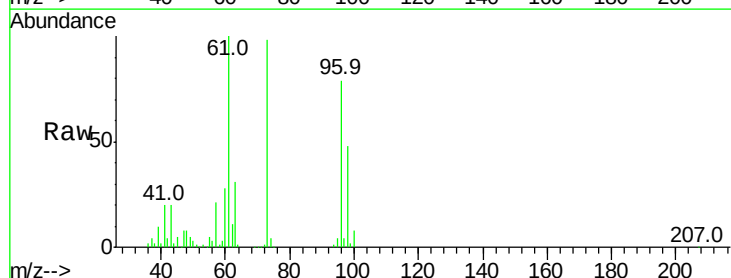
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

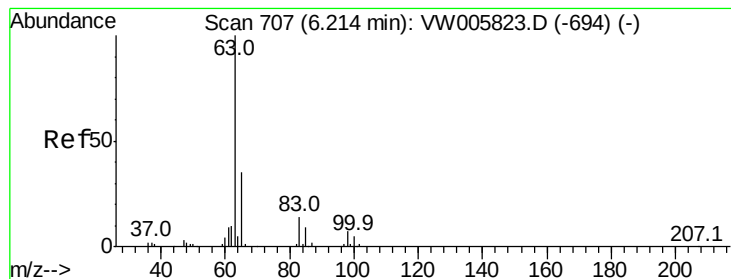
Tgt Ion: 73 Resp: 148370
Ion Ratio Lower Upper
73 100
43 21.2 18.2 27.4
57 21.4 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 21.586 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

Tgt Ion: 96 Resp: 96725
Ion Ratio Lower Upper
96 100
61 127.1 98.6 183.2
98 60.5 43.7 81.1





#19

1,1-Dichloroethane

Concen: 18.907 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

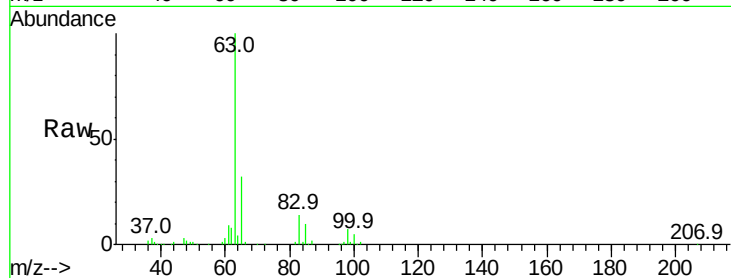
Tgt Ion: 63 Resp: 156762

Ion Ratio Lower Upper

63 100

65 31.9 21.8 40.4

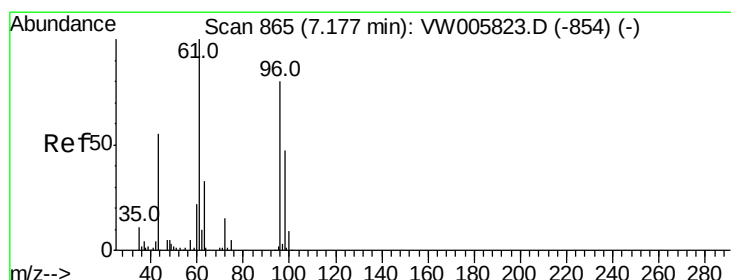
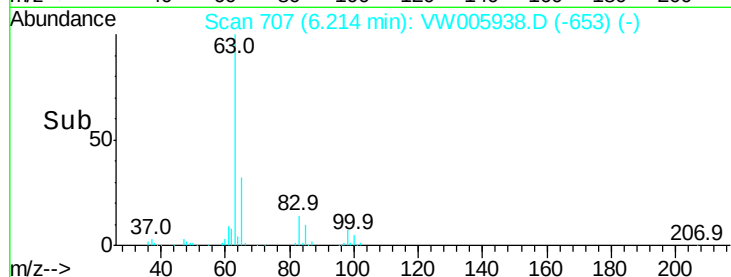
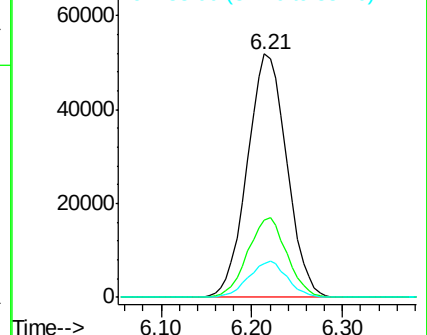
83 13.9 9.7 18.1



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: 52.360 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW005938.D

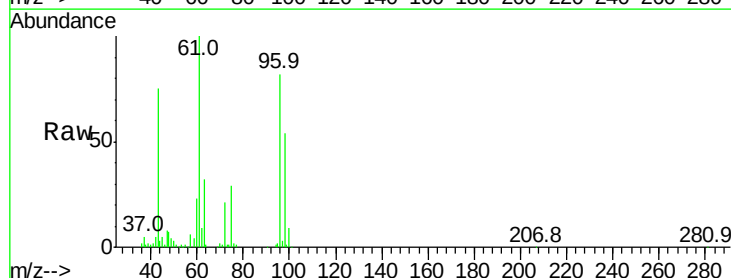
Acq: 09 Oct 2018 12:27

Tgt Ion: 43 Resp: 89676

Ion Ratio Lower Upper

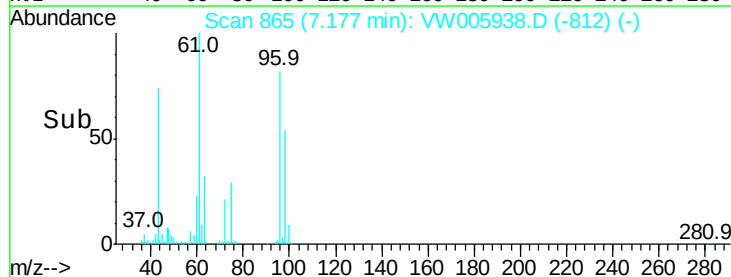
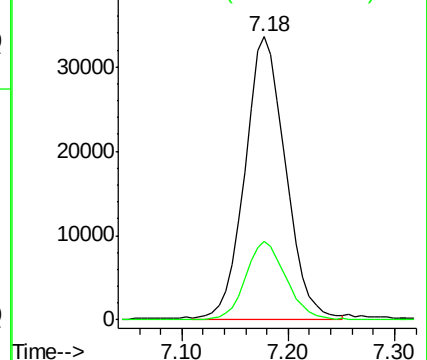
43 100

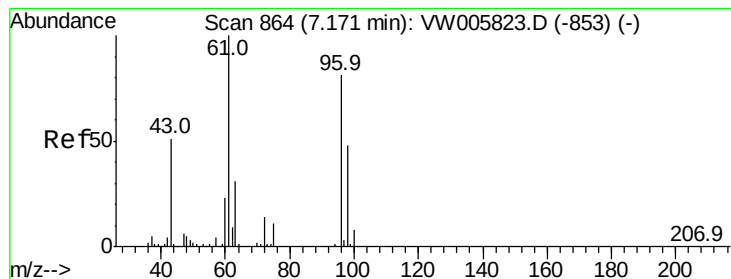
72 27.6 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



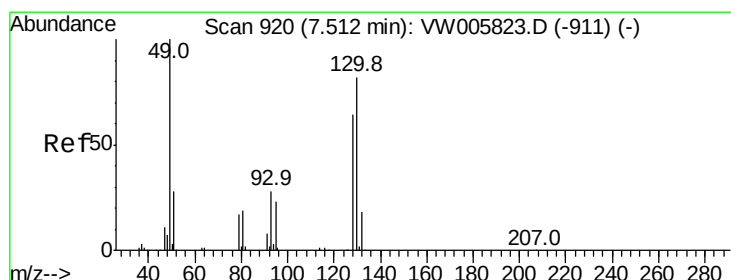
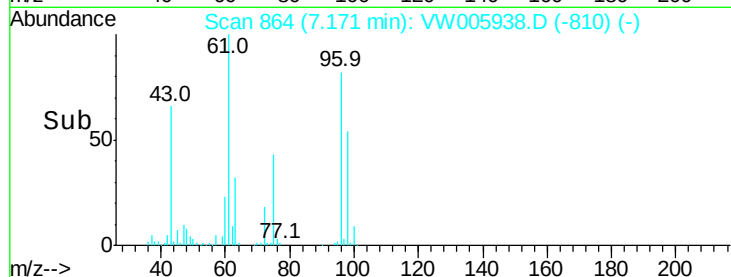
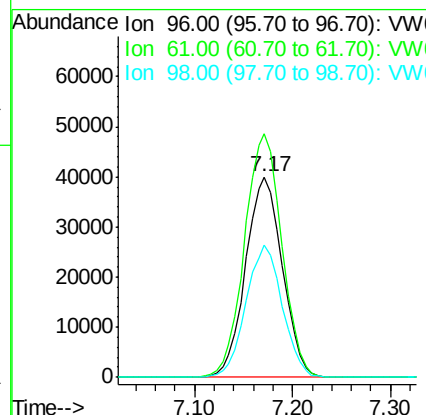
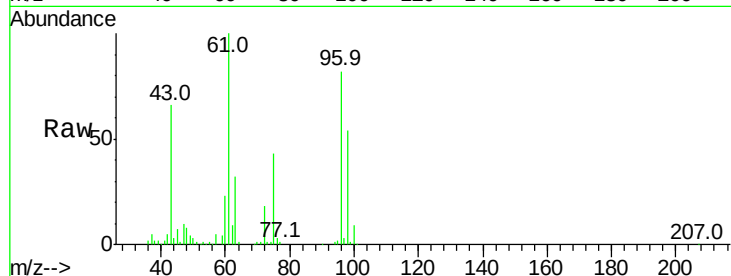


#22

cis-1,2-Dichloroethene
Concen: 21.410 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

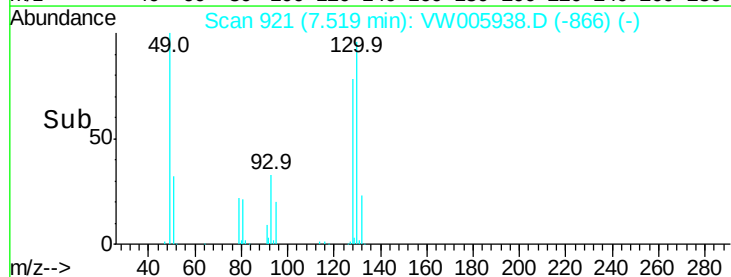
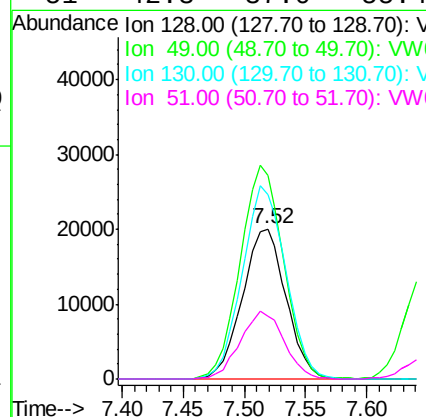
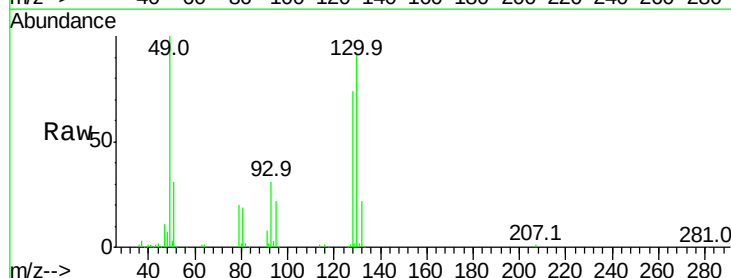
Tgt Ion: 96 Resp: 104282
Ion Ratio Lower Upper
96 100
61 121.6 95.7 177.7
98 66.2 44.1 81.9

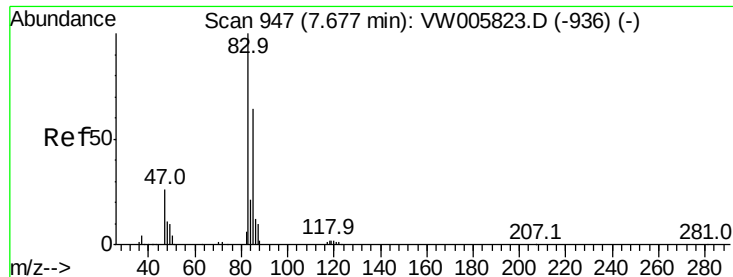


#23

Bromochloromethane
Concen: 21.923 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

Tgt Ion: 128 Resp: 49557
Ion Ratio Lower Upper
128 100
49 136.0 108.1 200.7
130 123.3 89.3 165.9
51 42.3 37.0 55.4





#25

Chloroform

Concen: 18.824 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

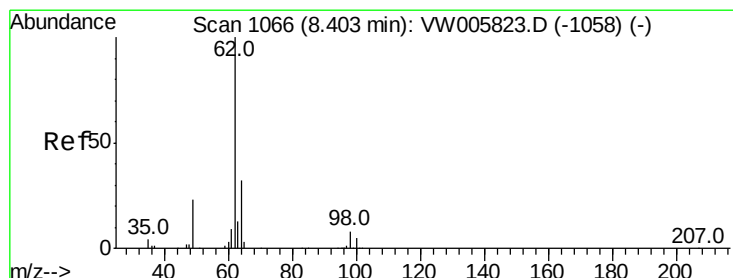
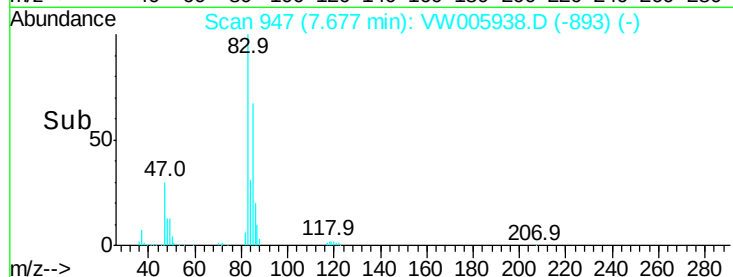
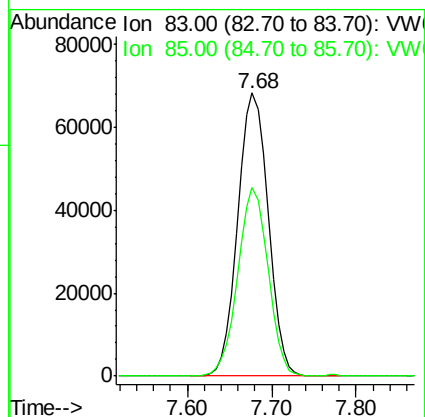
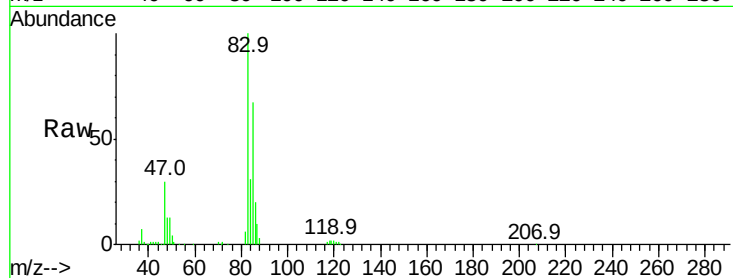
VSTD02596

Tgt Ion: 83 Resp: 166987

Ion Ratio Lower Upper

83 100

85 66.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 17.779 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005938.D

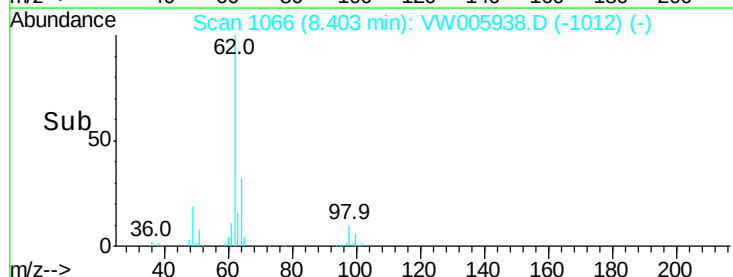
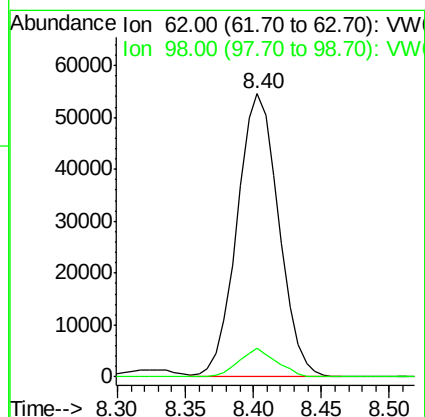
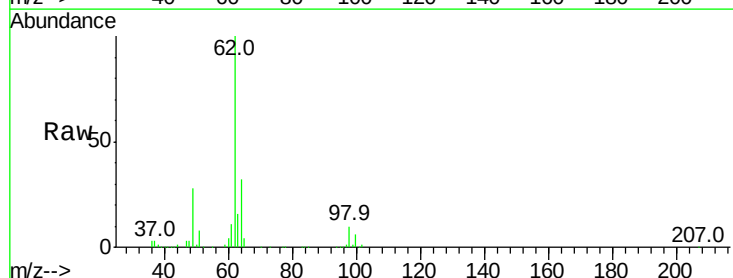
Acq: 09 Oct 2018 12:27

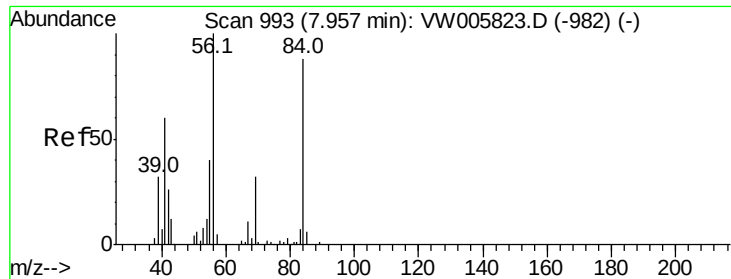
Tgt Ion: 62 Resp: 116123

Ion Ratio Lower Upper

62 100

98 10.0 6.2 9.2#

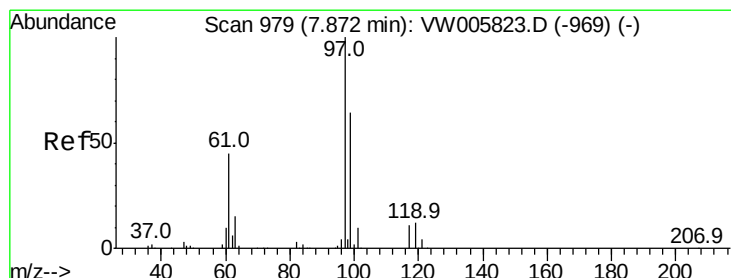
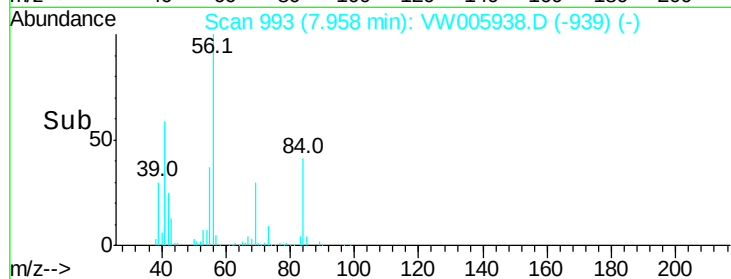
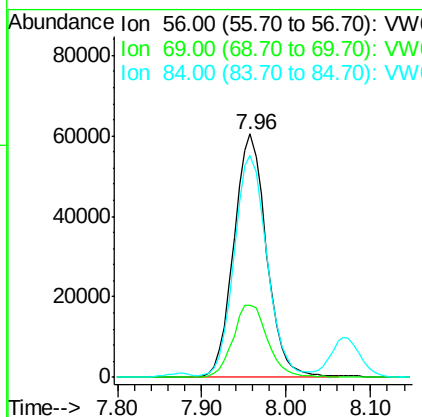
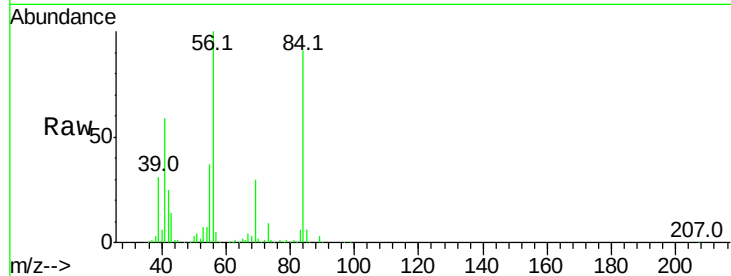




#30
Cyclohexane
Concen: 22.325 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

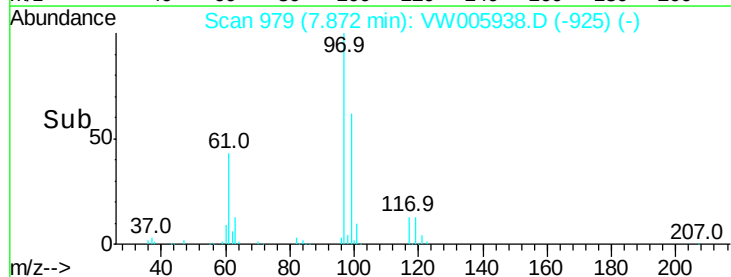
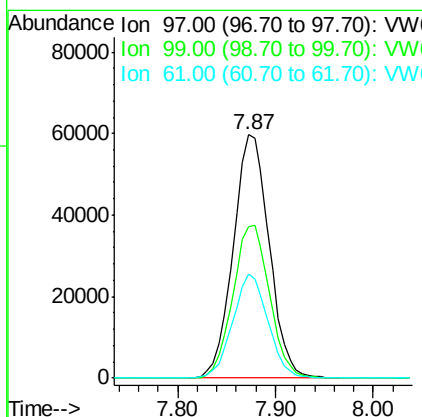
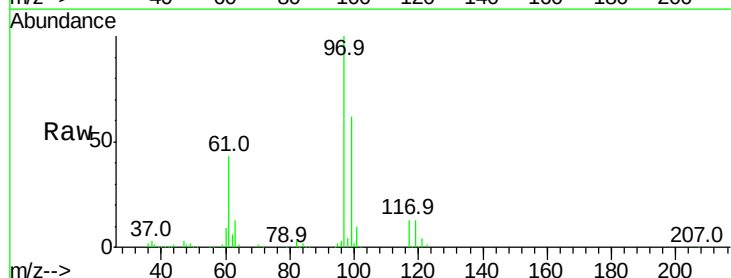
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

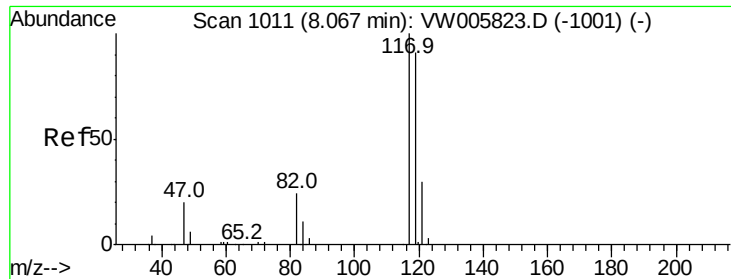
Tgt Ion: 56 Resp: 157947
Ion Ratio Lower Upper
56 100
69 31.7 25.0 37.6
84 92.4 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 19.953 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

Tgt Ion: 97 Resp: 152529
Ion Ratio Lower Upper
97 100
99 63.7 51.8 77.8
61 42.0 35.4 53.2





#32

Carbon tetrachloride

Concen: 19.779 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

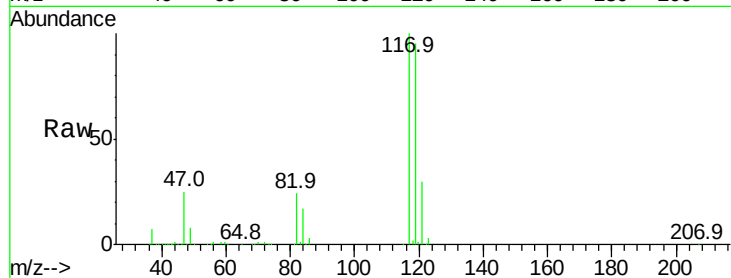
VSTD02596

Tgt Ion:117 Resp: 147234

Ion Ratio Lower Upper

117 100

119 96.1 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

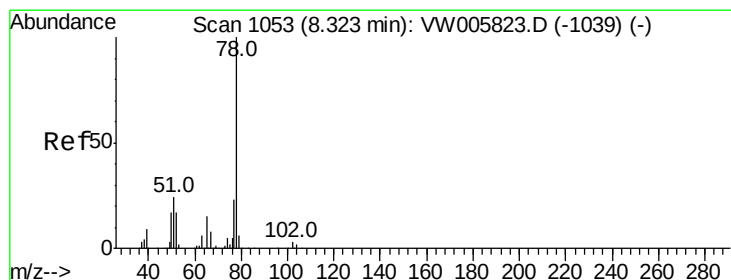
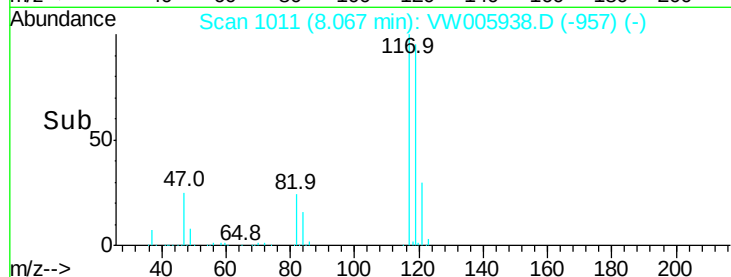
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 20.851 ug/L

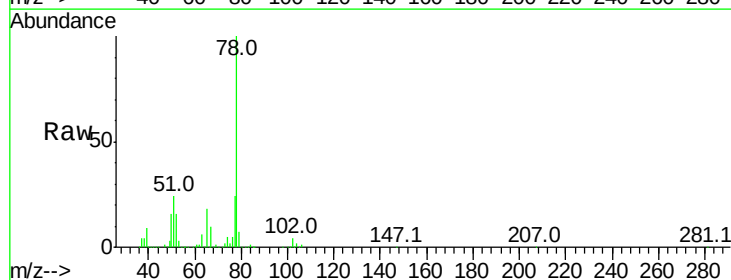
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Tgt Ion: 78 Resp: 367764



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

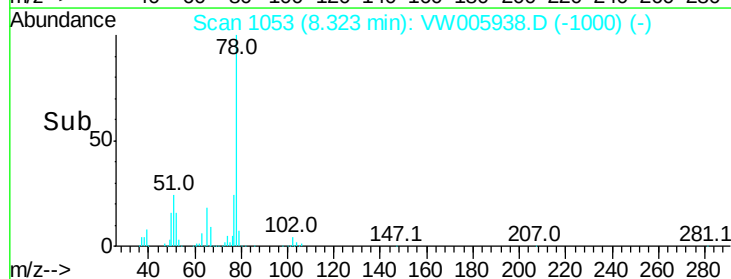
150000

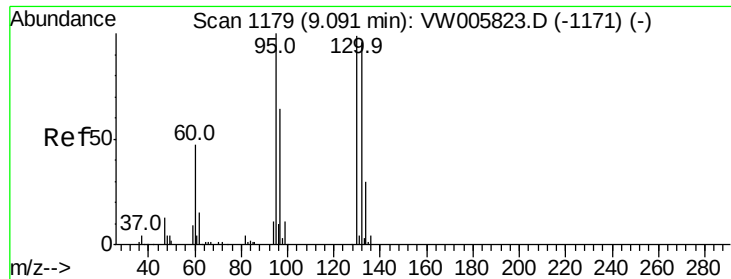
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 21.846 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

Tgt Ion: 95 Resp: 103085

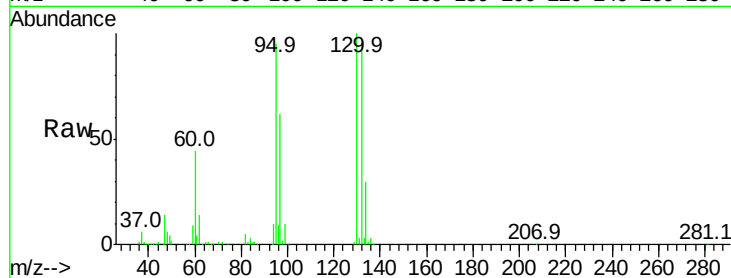
Ion Ratio Lower Upper

95 100

97 65.4 45.2 84.0

132 104.1 68.0 126.4

130 108.3 71.3 132.5

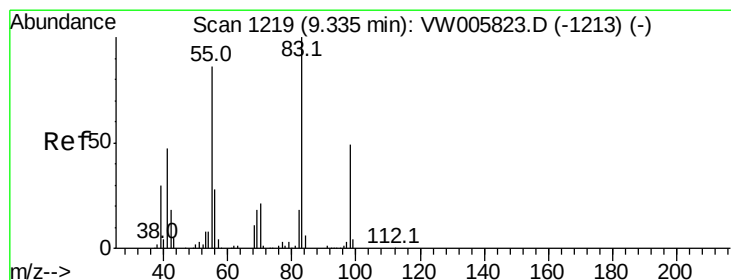
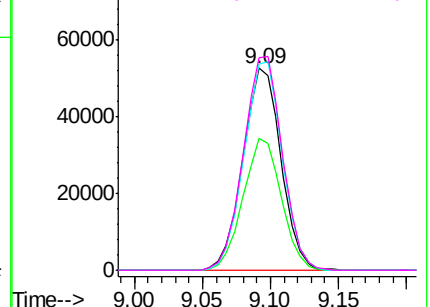
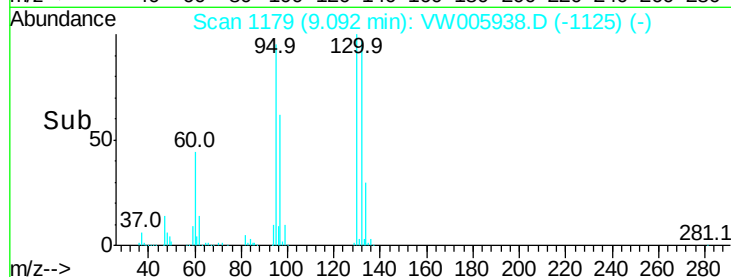


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.995 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

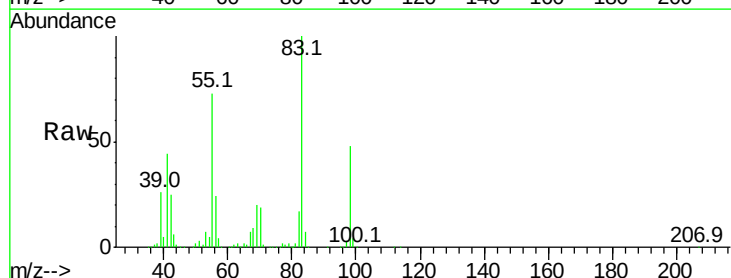
Tgt Ion: 83 Resp: 188679

Ion Ratio Lower Upper

83 100

55 71.4 62.5 93.7

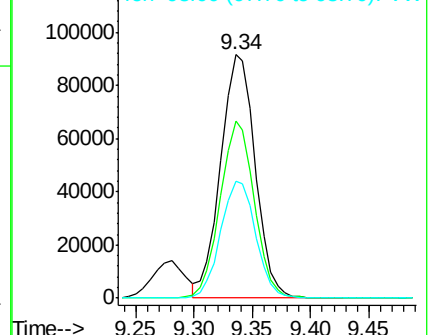
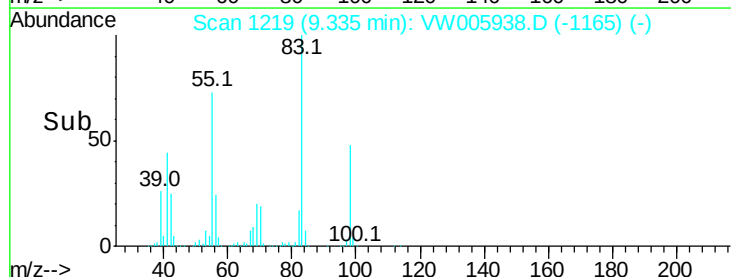
98 48.6 37.7 56.5

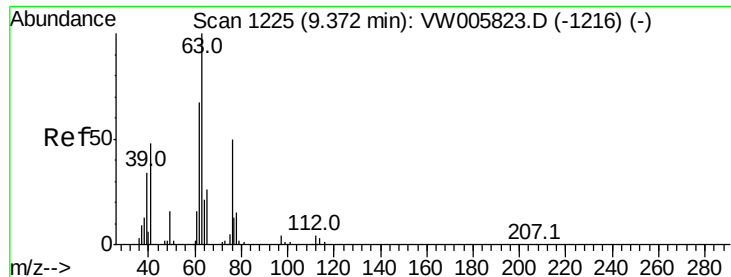


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 20.809 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

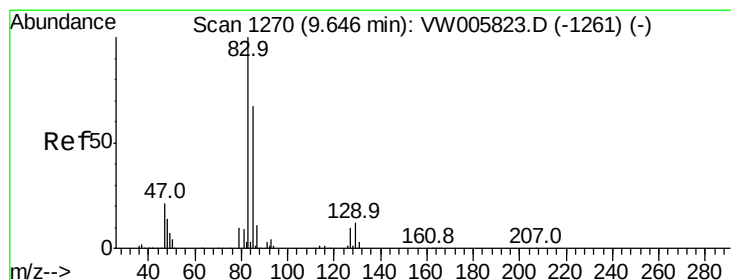
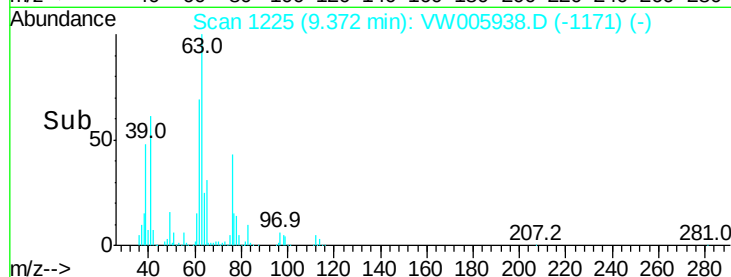
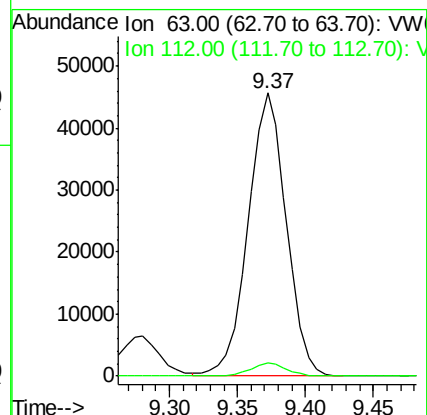
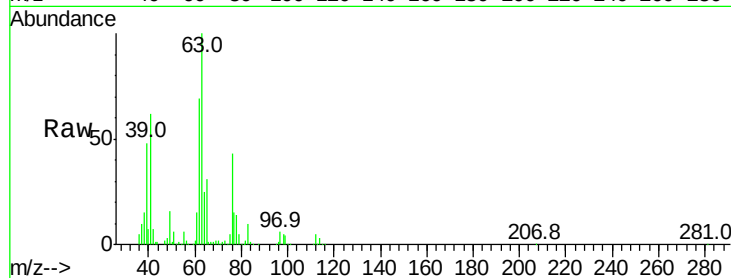
VSTD02596

Tgt Ion: 63 Resp: 89443

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#41

Bromodichloromethane

Concen: 20.100 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

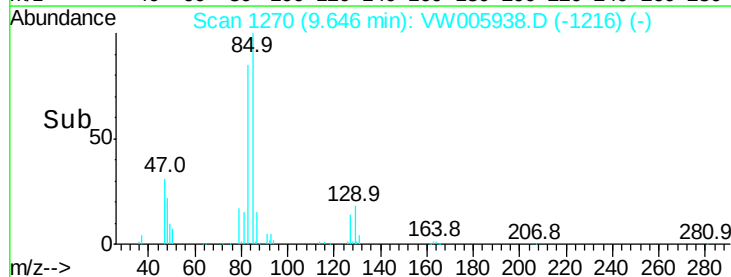
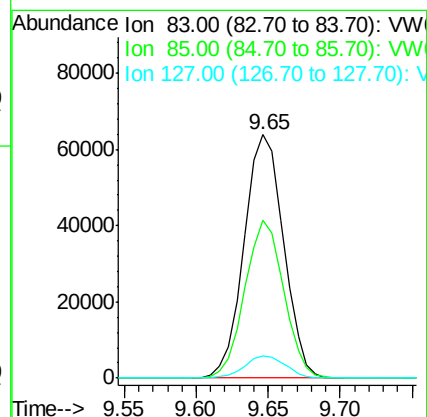
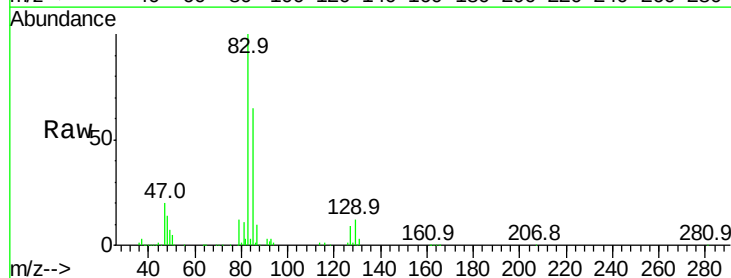
Tgt Ion: 83 Resp: 121475

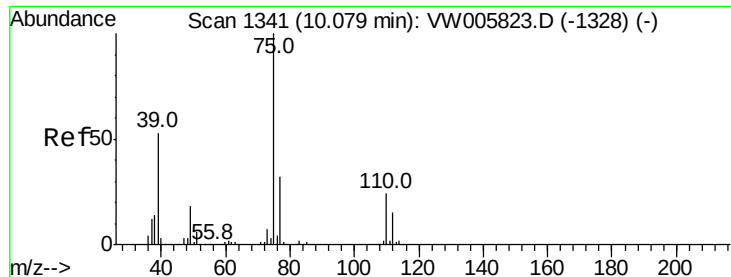
Ion Ratio Lower Upper

83 100

85 65.0 44.1 81.9

127 9.3 7.5 11.3





#42

cis-1,3-Dichloroprene

Concen: 20.989 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampled :

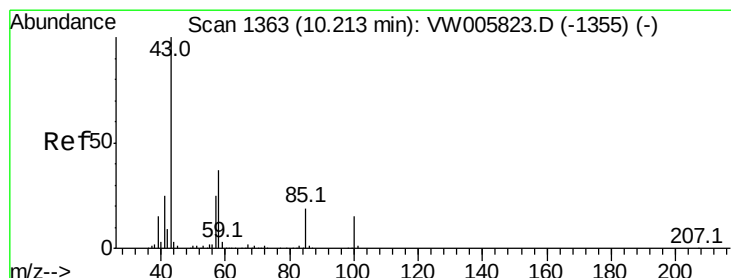
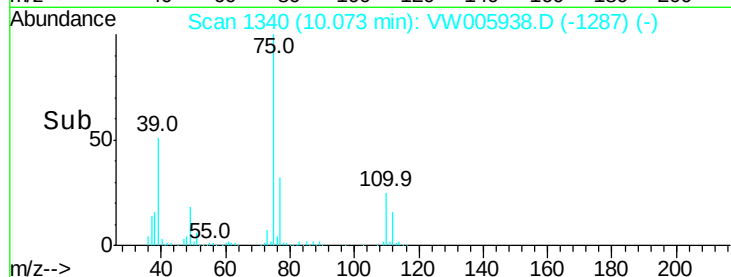
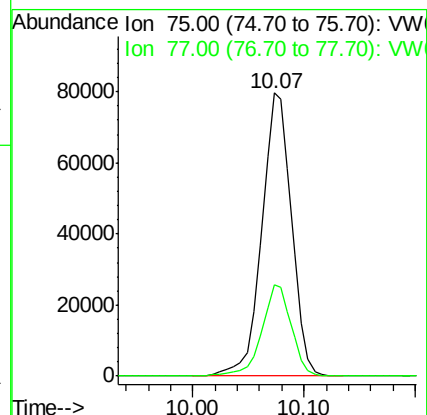
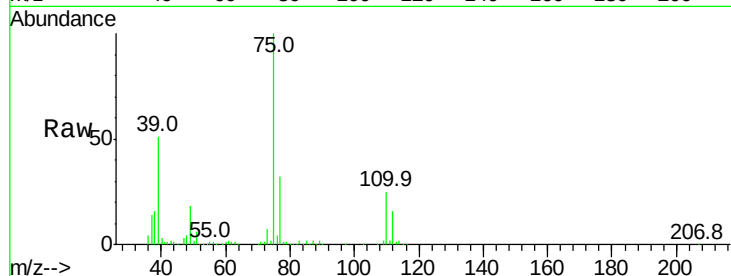
VSTD02596

Tgt Ion: 75 Resp: 148986

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 45.294 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

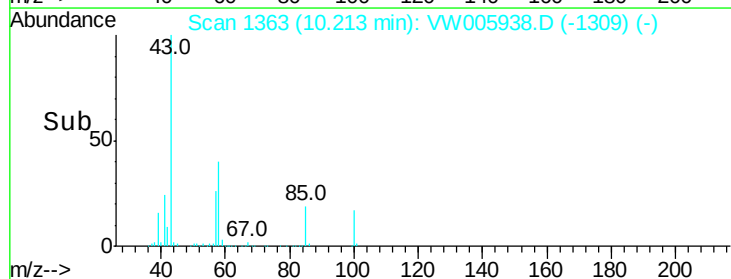
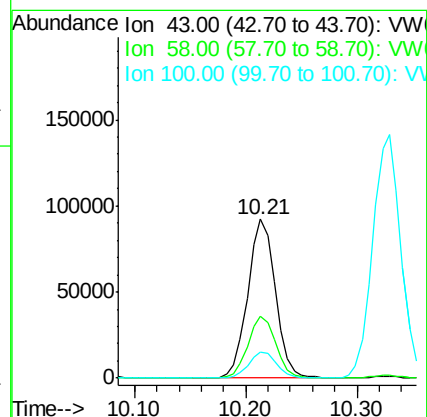
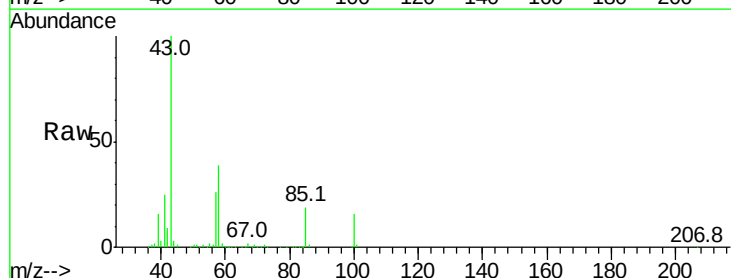
Tgt Ion: 43 Resp: 158880

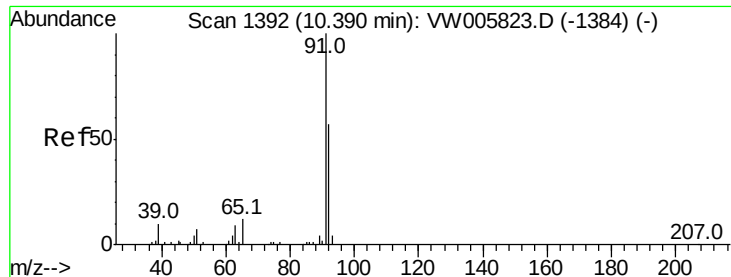
Ion Ratio Lower Upper

43 100

58 39.3 29.8 44.8

100 16.6 12.2 18.4





#44

Toluene

Concen: 20.785 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

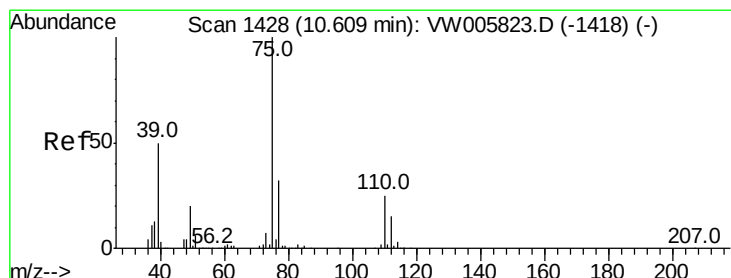
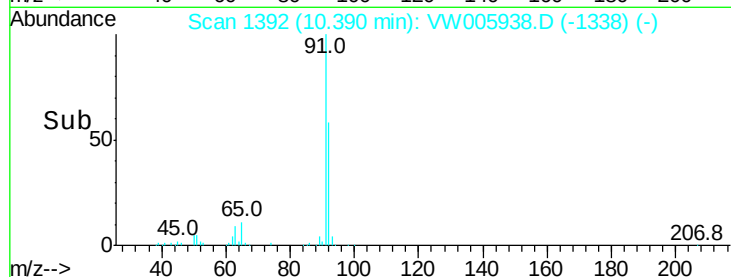
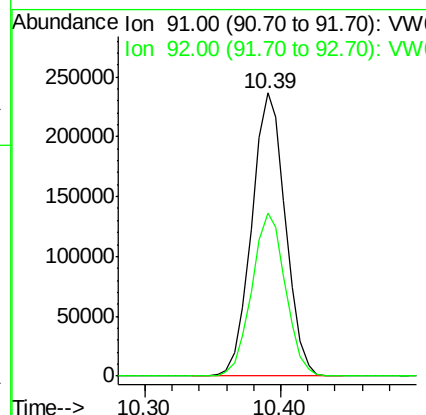
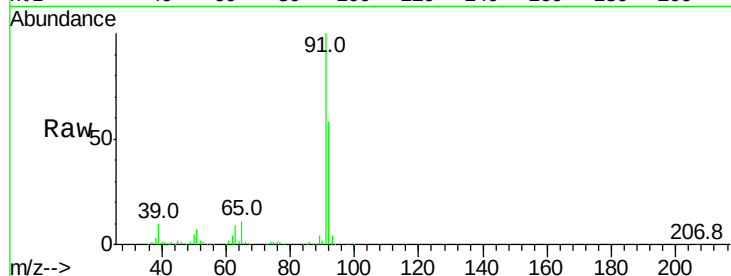
VSTD02596

Tgt Ion: 91 Resp: 409674

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 19.941 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005938.D

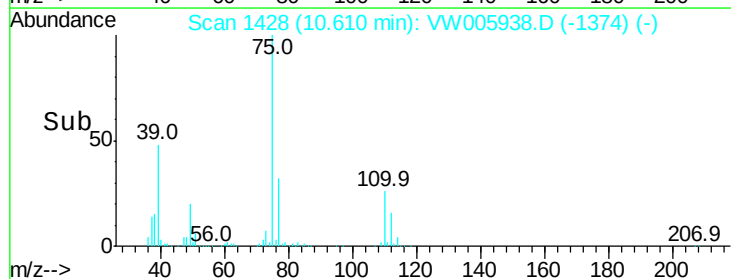
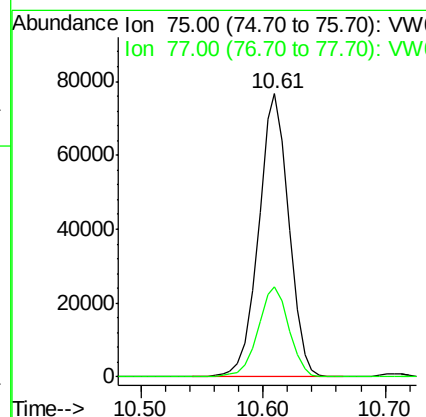
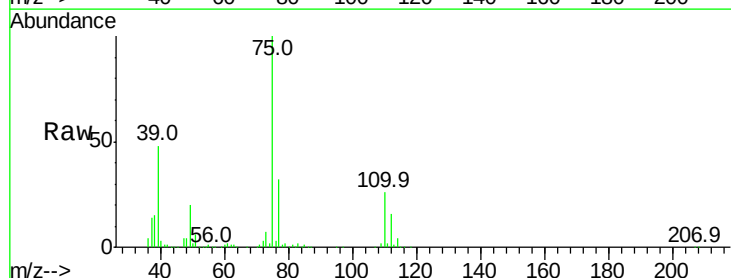
Acq: 09 Oct 2018 12:27

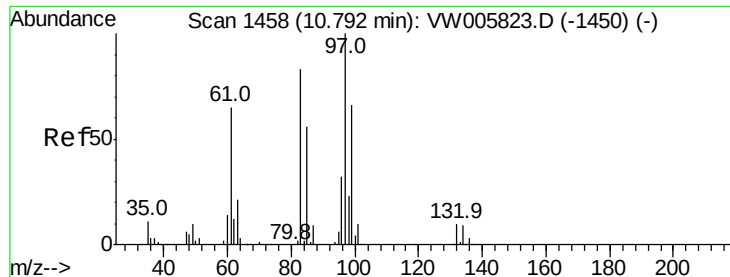
Tgt Ion: 75 Resp: 131806

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 21.459 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

Tgt Ion: 97 Resp: 76970

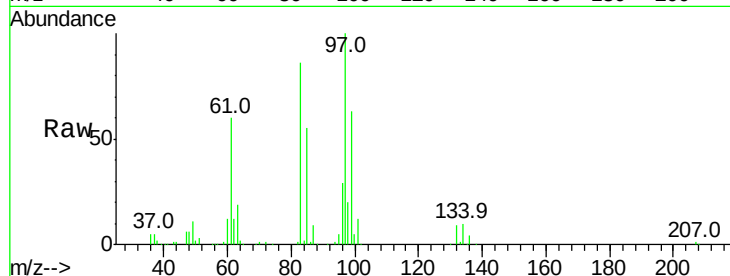
Ion Ratio Lower Upper

97 100

83 85.7 58.3 108.3

85 55.3 38.0 70.6

99 63.3 42.8 79.4

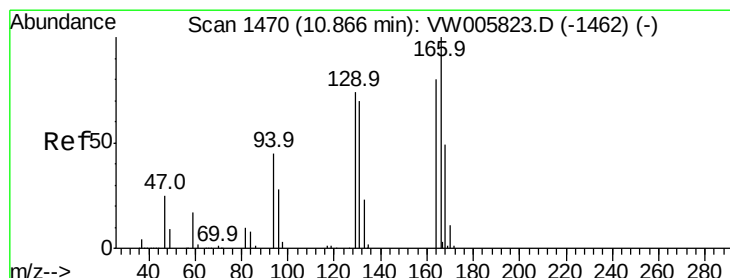
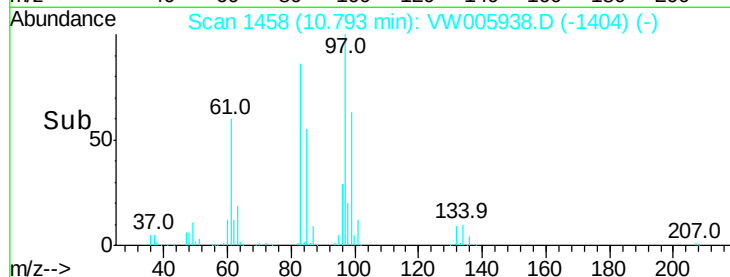
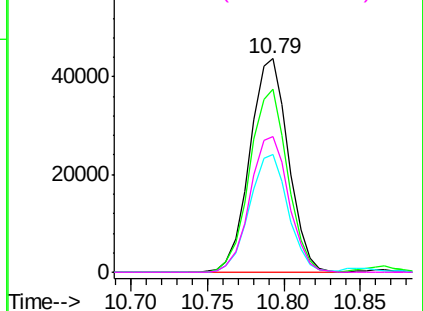


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.819 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Tgt Ion:164 Resp: 94861

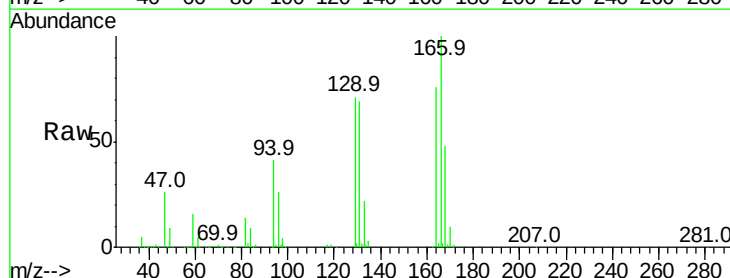
Ion Ratio Lower Upper

164 100

129 93.4 63.8 118.4

131 91.1 61.5 114.3

166 131.8 83.2 154.6

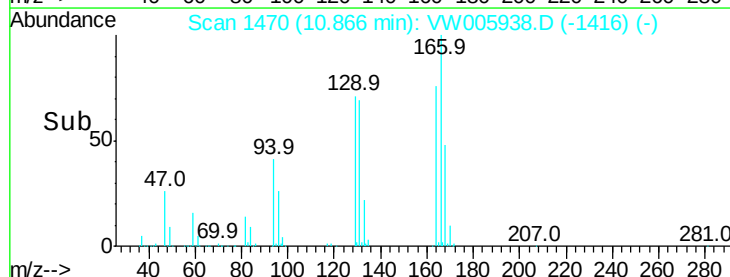
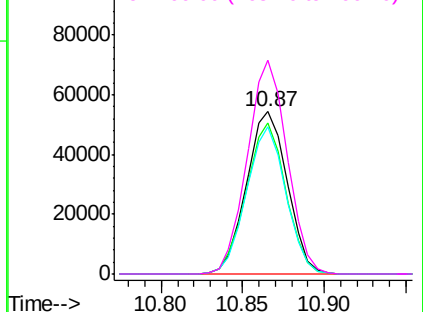


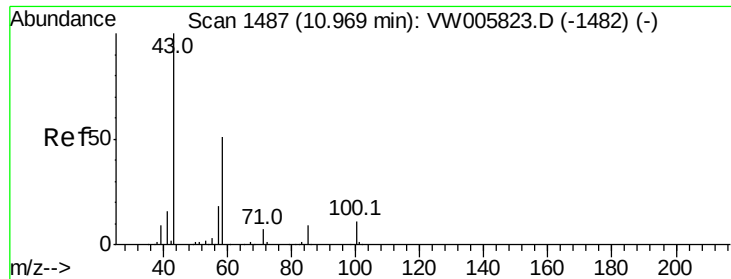
Abundance Ion 164.00 (163.70 to 164.70): V

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: 53.005 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

Tgt Ion: 43 Resp: 130513

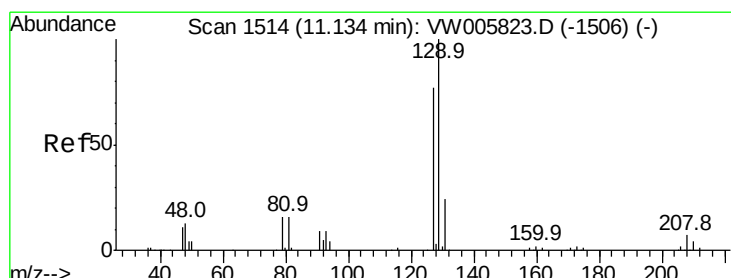
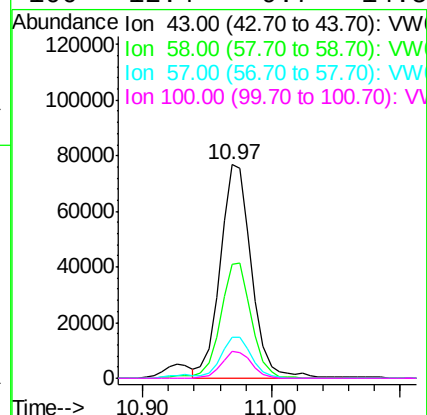
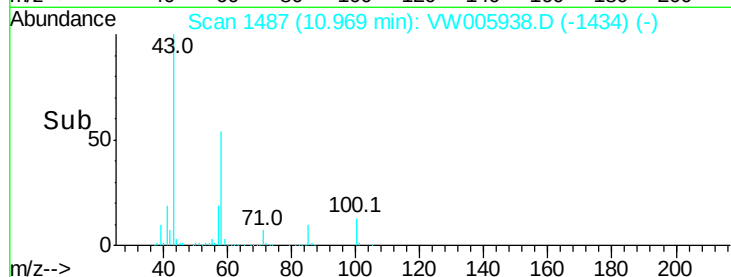
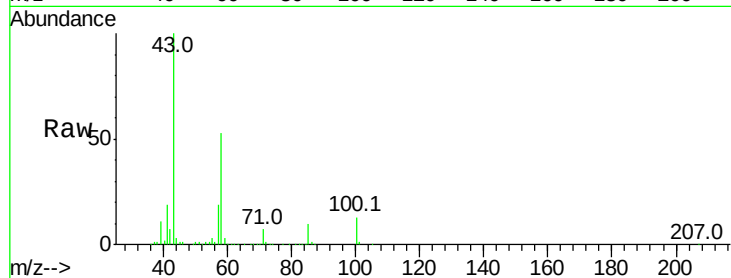
Ion Ratio Lower Upper

43 100

58 52.6 42.0 63.0

57 18.9 15.7 23.5

100 12.4 9.7 14.5



#50

Dibromochloromethane

Concen: 21.842 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW005938.D

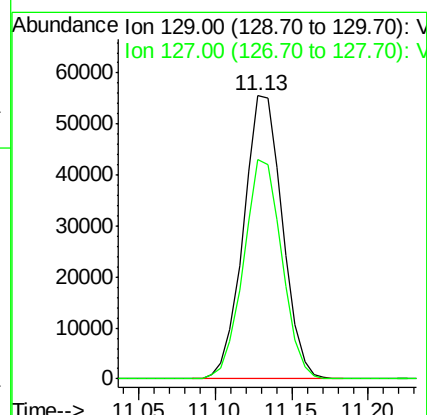
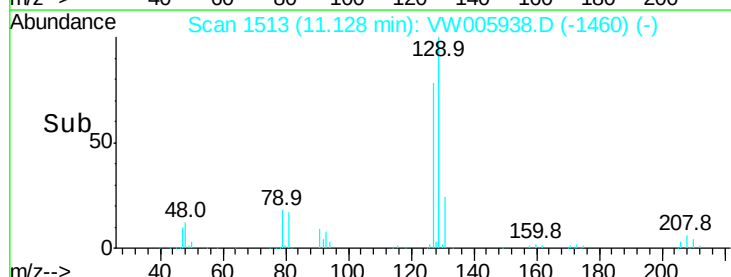
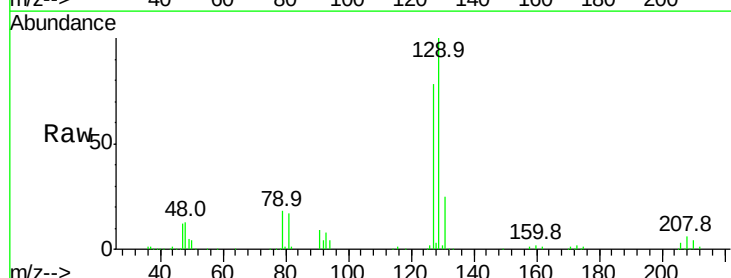
Acq: 09 Oct 2018 12:27

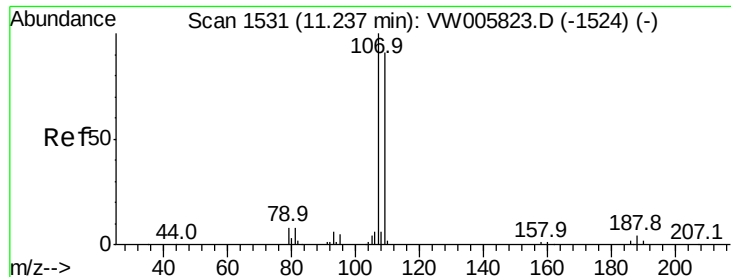
Tgt Ion: 129 Resp: 98253

Ion Ratio Lower Upper

129 100

127 77.7 51.7 95.9

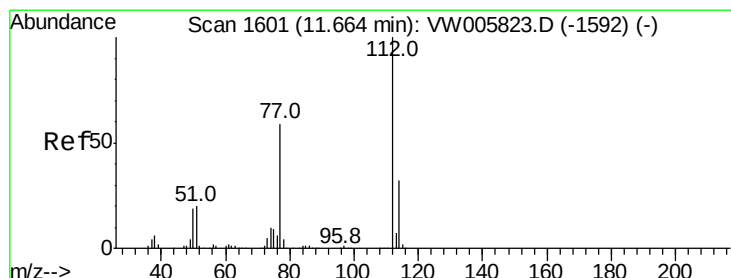
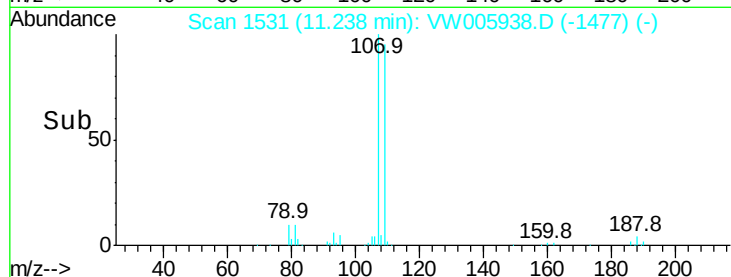
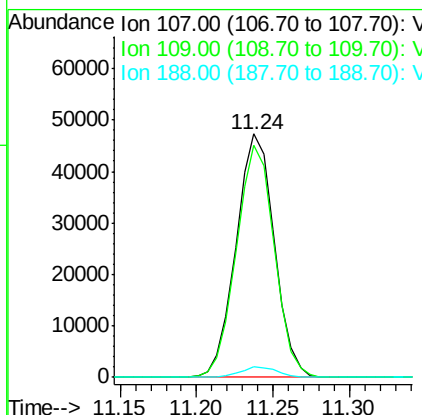
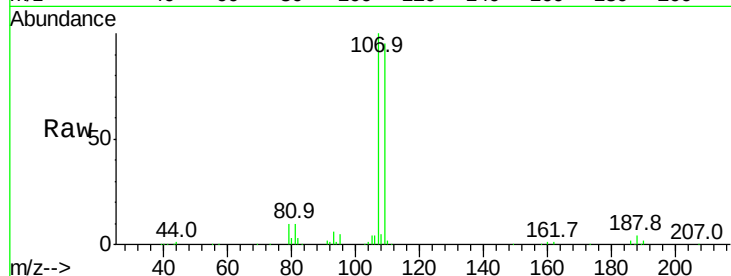




#51
1,2-Dibromoethane
Concen: 23.639 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

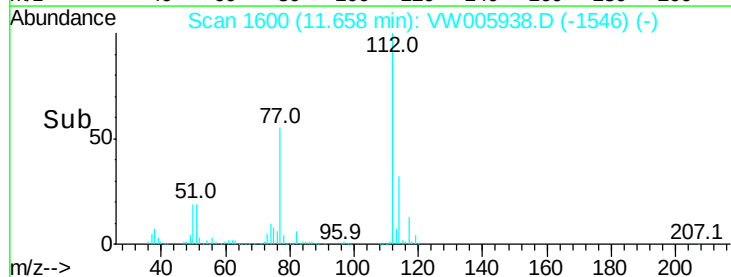
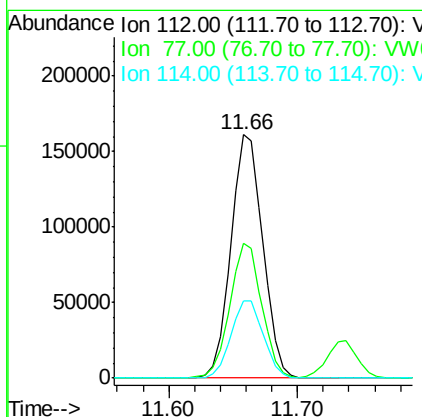
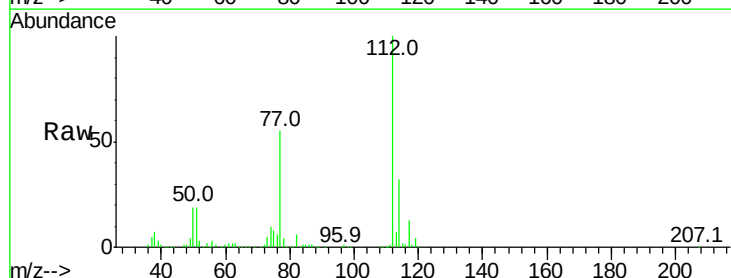
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

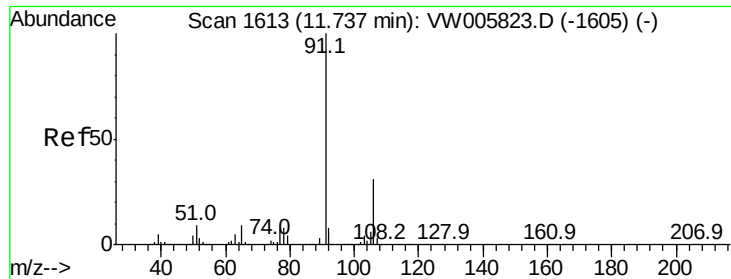
Tgt Ion:107 Resp: 81972
Ion Ratio Lower Upper
107 100
109 95.2 70.1 130.3
188 4.2 3.4 5.2



#52
Chlorobenzene
Concen: 21.361 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

Tgt Ion:112 Resp: 276975
Ion Ratio Lower Upper
112 100
77 55.2 46.7 70.1
114 31.6 21.8 40.6





#53

Ethylbenzene

Concen: 21.148 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

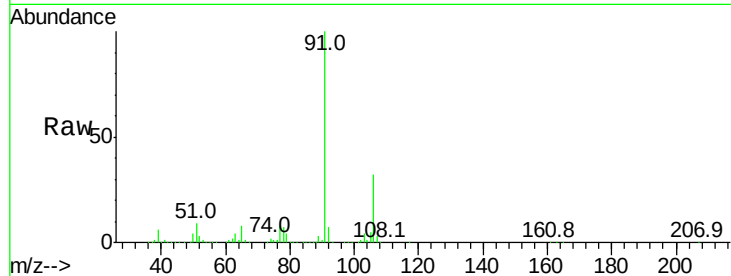
VSTD02596

Tgt Ion: 91 Resp: 477279

Ion Ratio Lower Upper

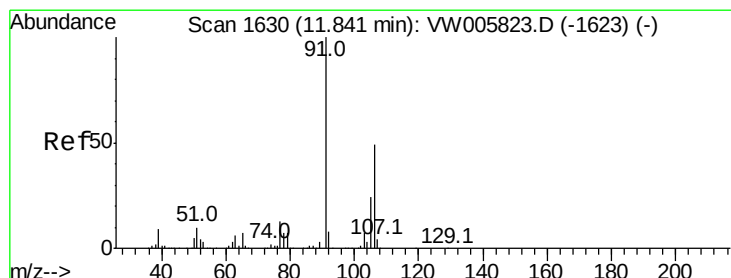
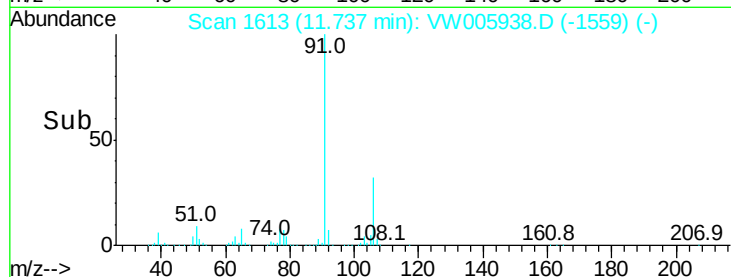
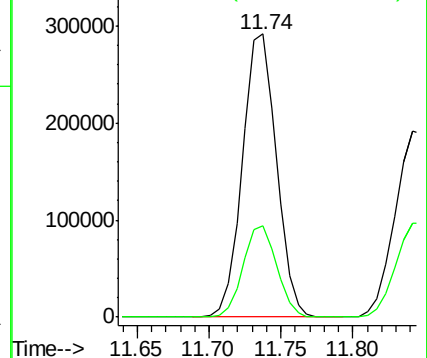
91 100

106 32.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 21.985 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005938.D

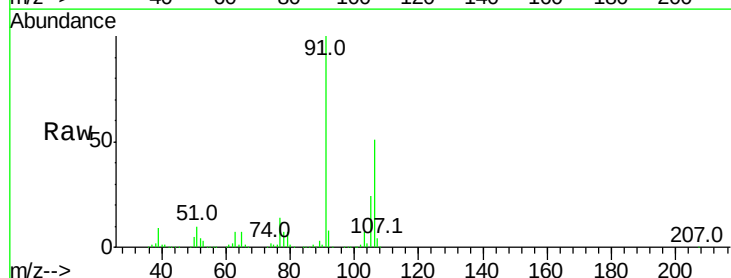
Acq: 09 Oct 2018 12:27

Tgt Ion: 106 Resp: 186926

Ion Ratio Lower Upper

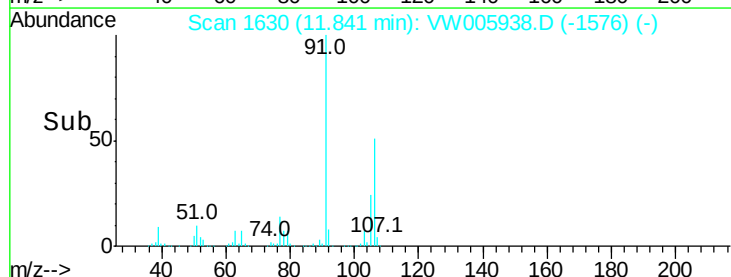
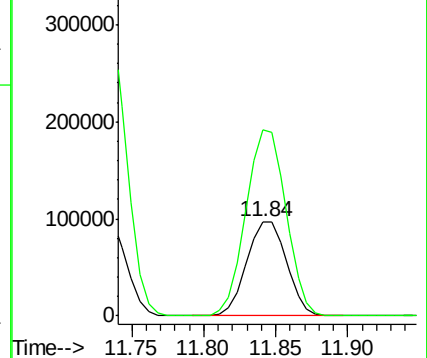
106 100

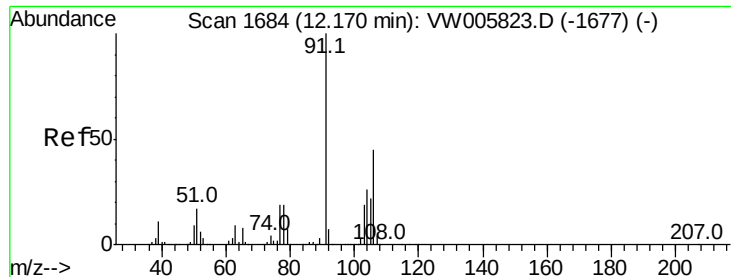
91 197.7 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

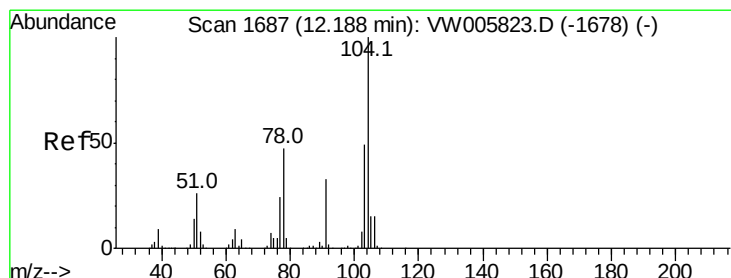
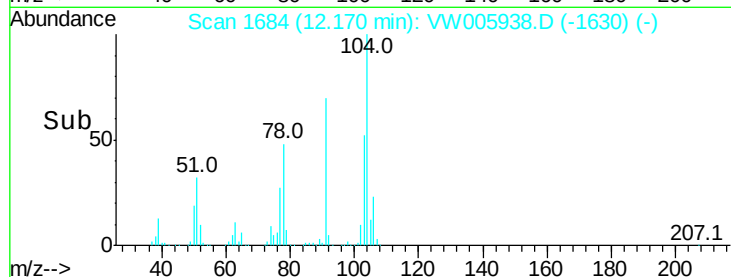
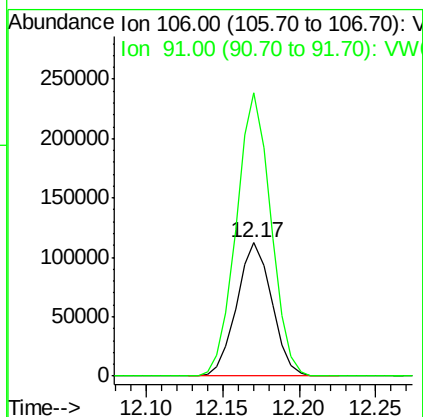
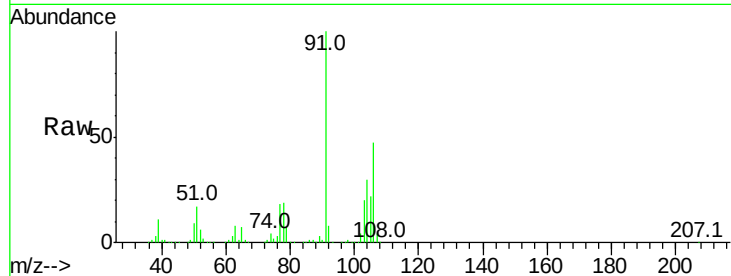




#55
o-xylene
Concen: 22.284 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

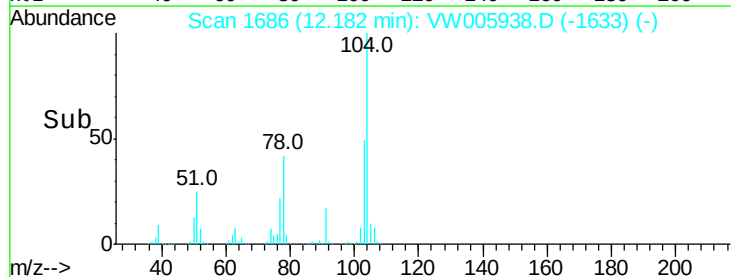
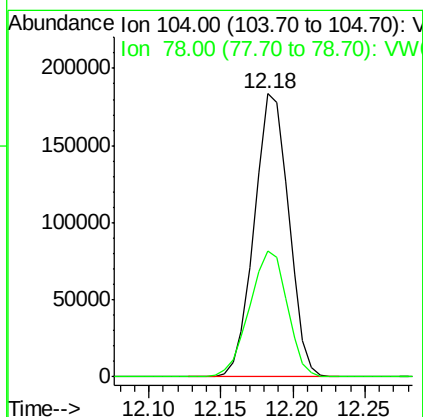
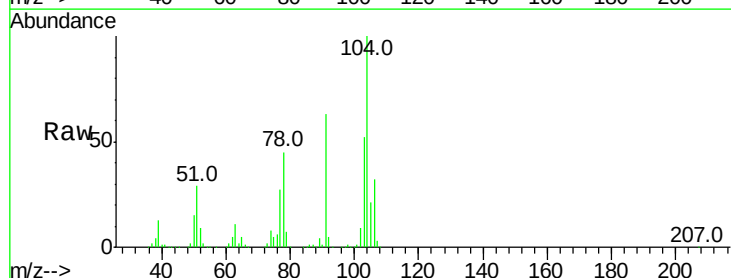
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

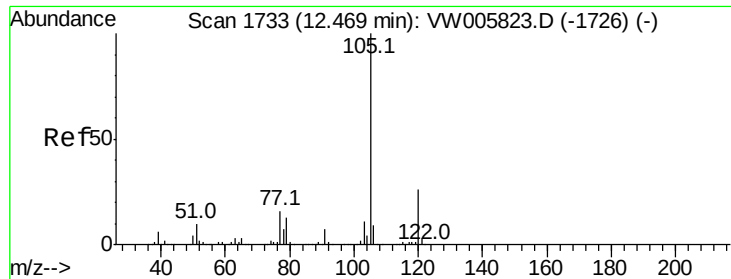
Tgt Ion:106 Resp: 178582
Ion Ratio Lower Upper
106 100
91 212.4 156.5 290.7



#56
Styrene
Concen: 21.630 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005938.D
Acq: 09 Oct 2018 12:27

Tgt Ion:104 Resp: 304191
Ion Ratio Lower Upper
104 100
78 44.6 32.2 59.8





#57

Isopropylbenzene

Concen: 21.759 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

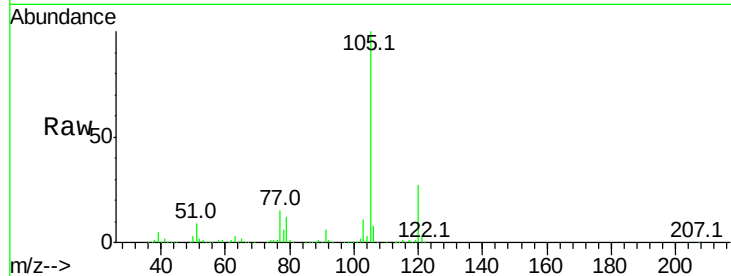
Tgt Ion:105 Resp: 498054

Ion Ratio Lower Upper

105 100

120 27.2 20.7 31.1

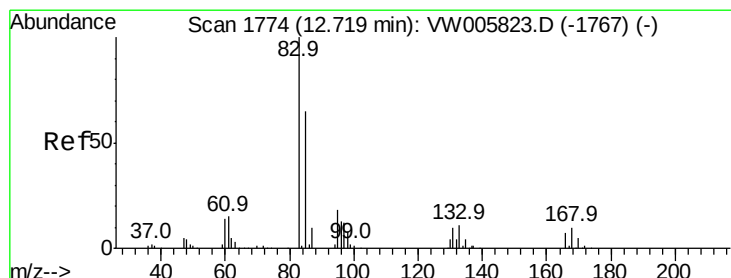
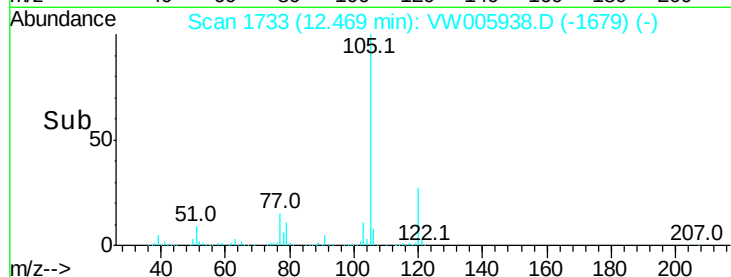
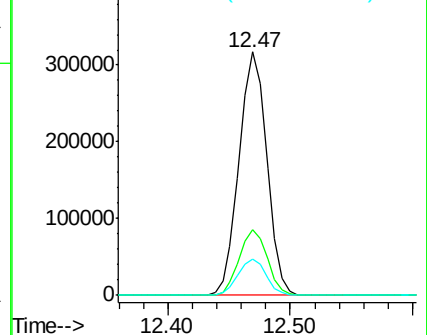
77 15.2 13.0 19.6



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: 23.283 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

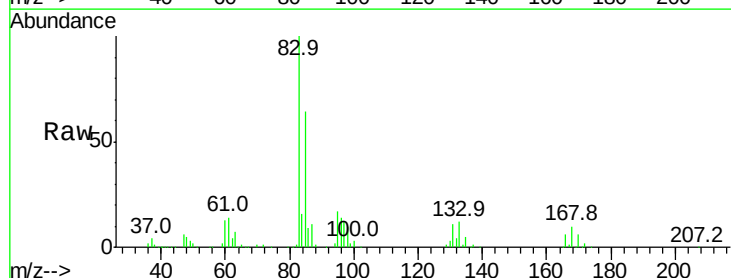
Tgt Ion: 83 Resp: 106533

Ion Ratio Lower Upper

83 100

85 64.0 43.0 80.0

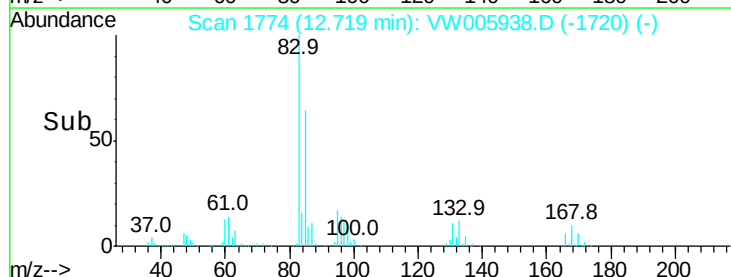
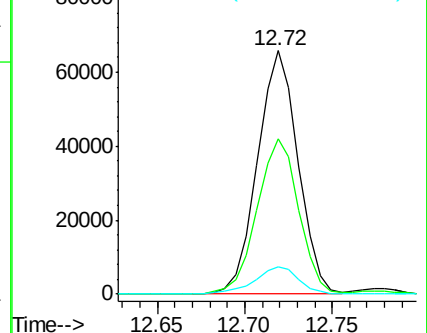
131 11.2 8.0 12.0

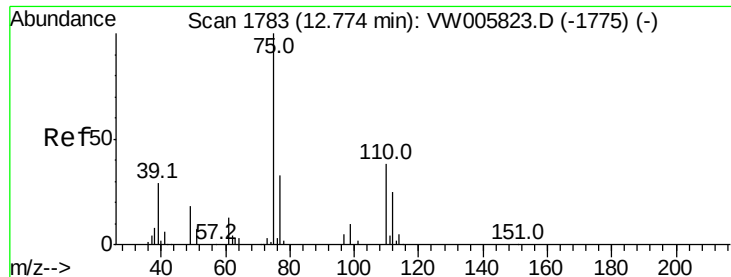


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.673 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

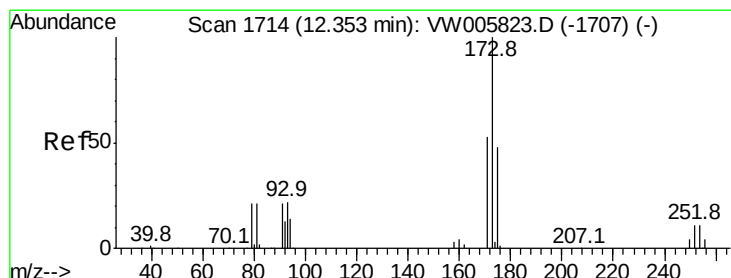
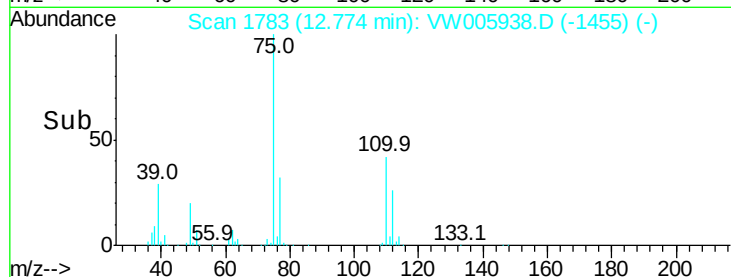
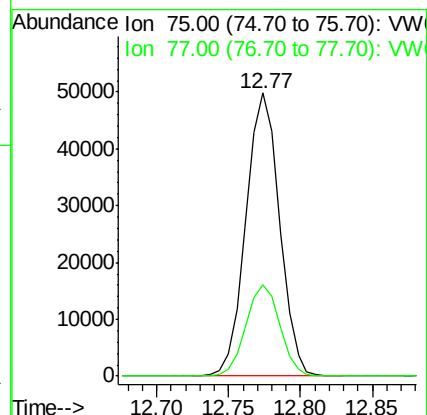
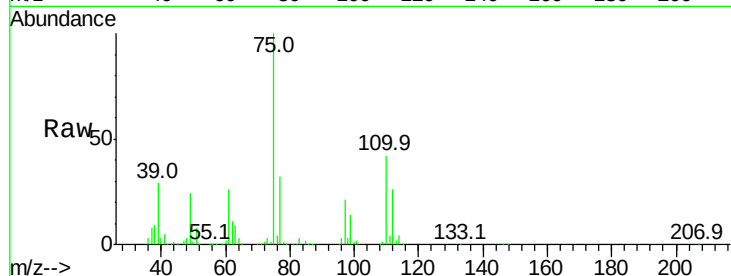
VSTD02596

Tgt Ion: 75 Resp: 80499

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8



#62

Bromoform

Concen: 22.536 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

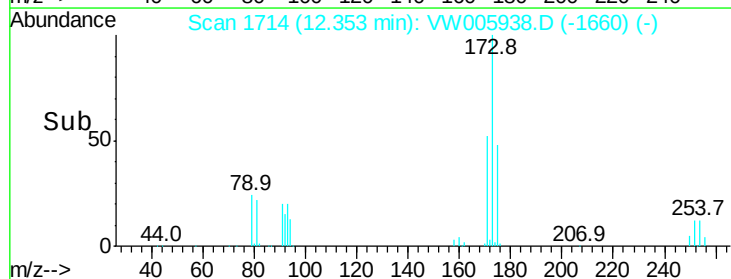
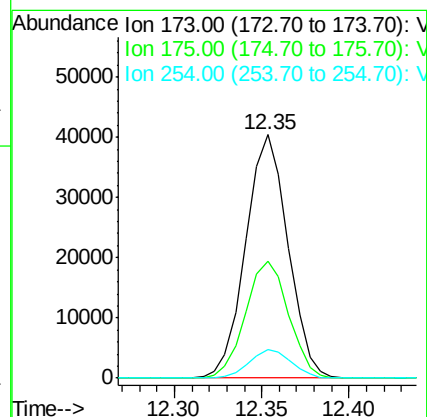
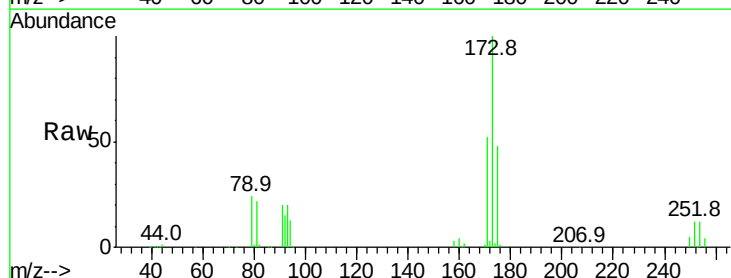
Tgt Ion: 173 Resp: 67909

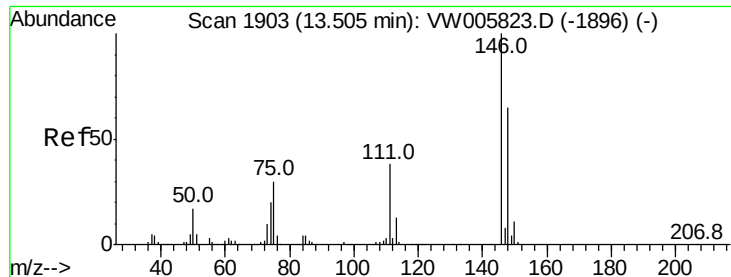
Ion Ratio Lower Upper

173 100

175 48.9 40.0 60.0

254 11.5 8.6 13.0

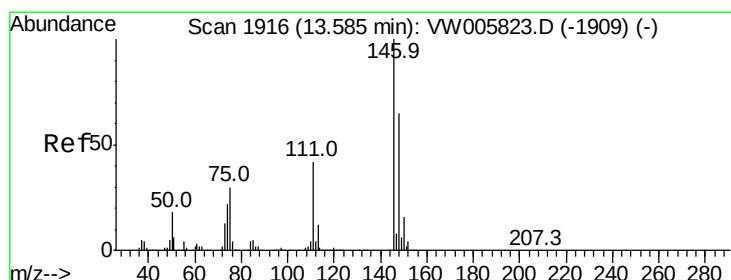
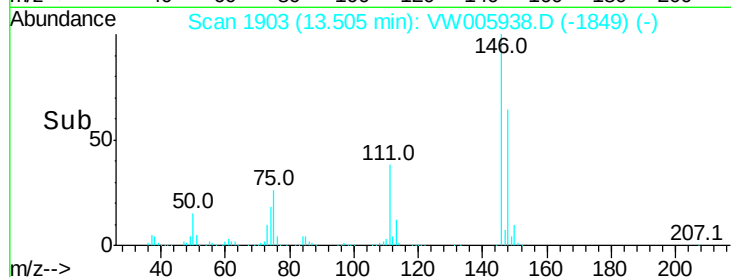
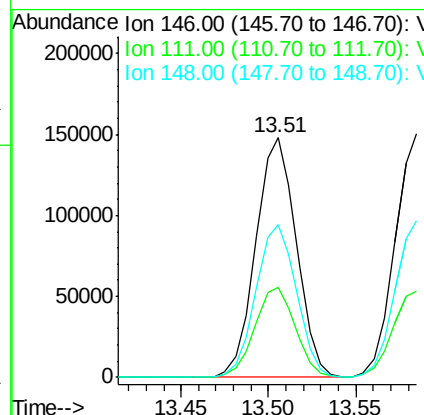
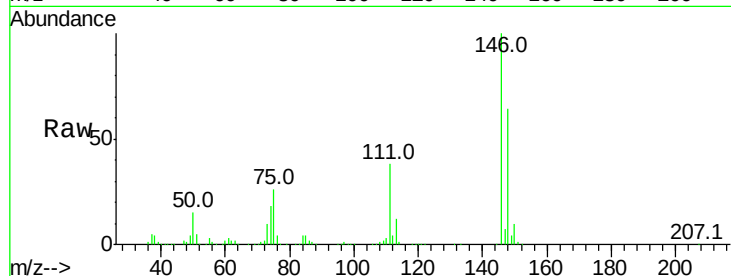




#63
 1,3-Dichlorobenzene
 Concen: 22.065 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005938.D
 Acq: 09 Oct 2018 12:27

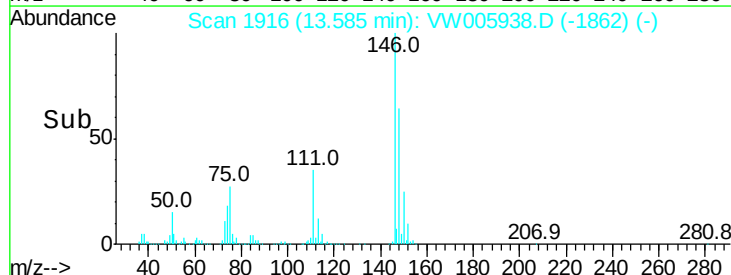
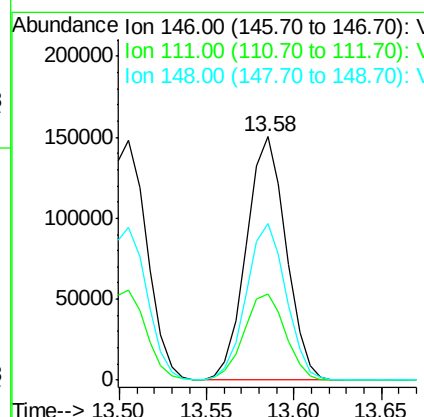
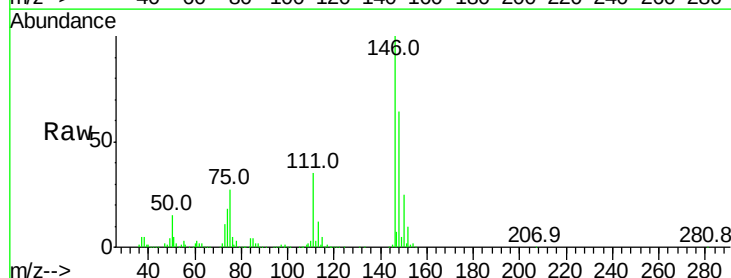
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

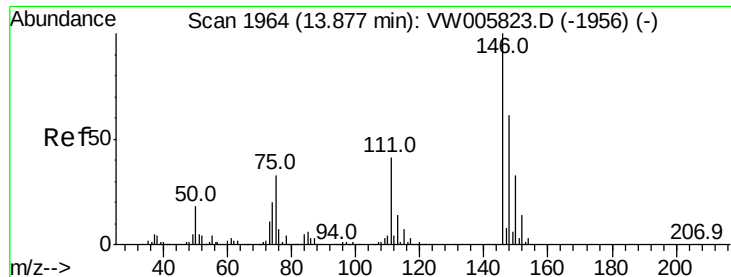
Tgt Ion:146 Resp: 237501
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.2 50.6
 148 63.8 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 21.189 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005938.D
 Acq: 09 Oct 2018 12:27

Tgt Ion:146 Resp: 238183
 Ion Ratio Lower Upper
 146 100
 111 35.3 28.4 52.8
 148 64.2 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 21.100 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

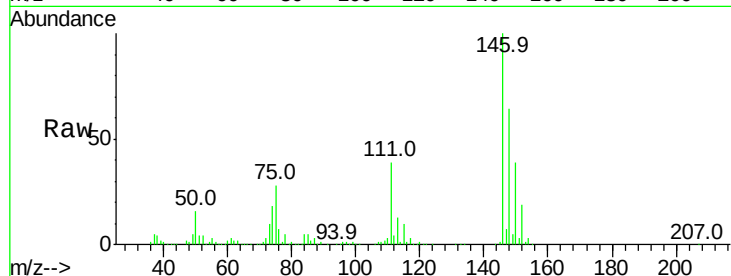
Tgt Ion:146 Resp: 218536

Ion Ratio Lower Upper

146 100

111 38.9 34.6 51.8

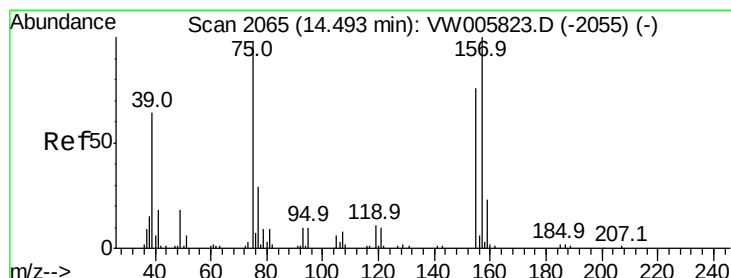
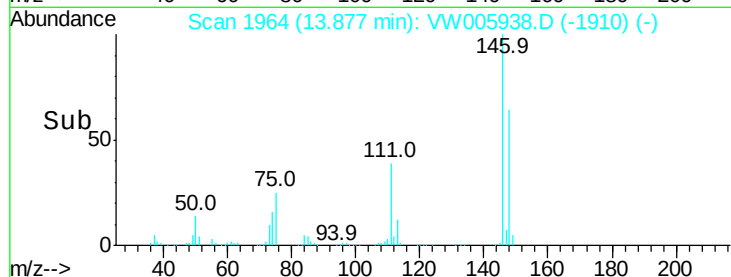
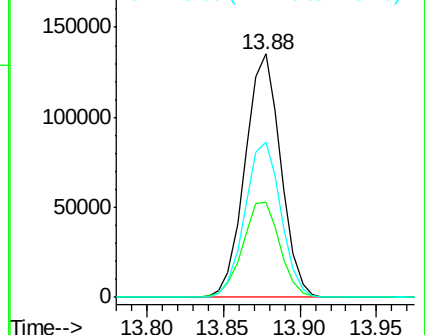
148 64.0 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.560 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

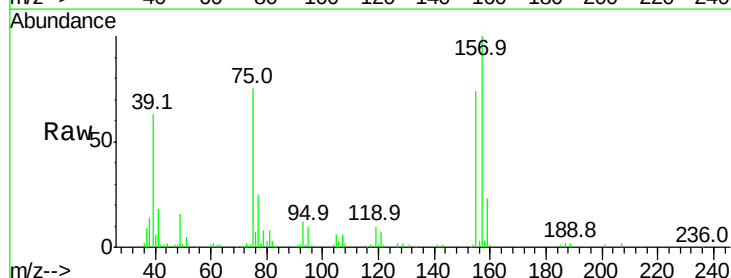
Tgt Ion: 75 Resp: 20247

Ion Ratio Lower Upper

75 100

157 133.5 76.9 115.3#

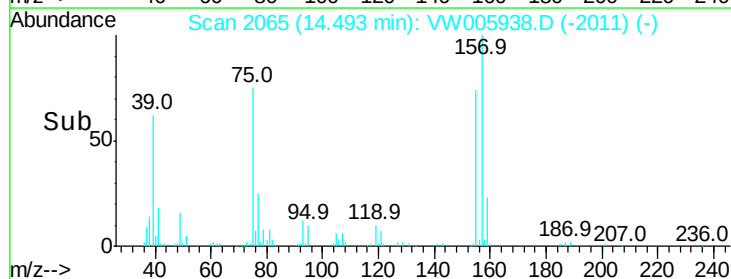
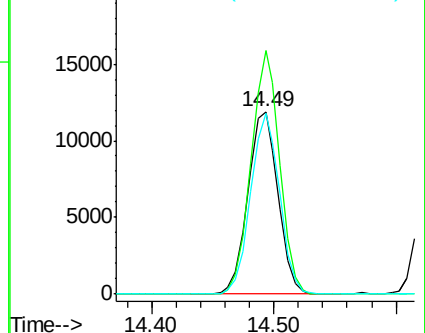
155 99.0 64.2 96.2#

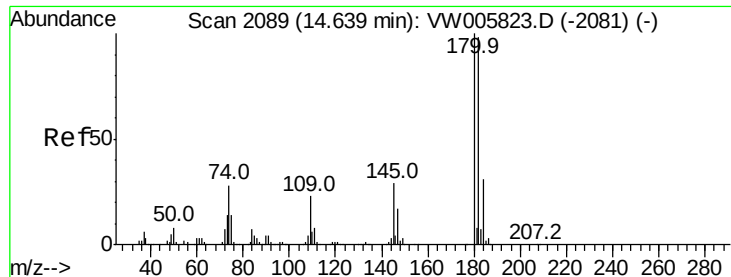


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

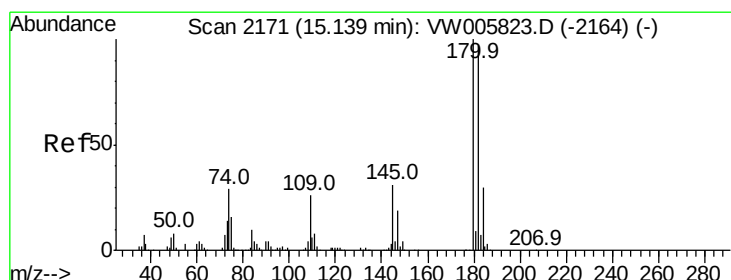
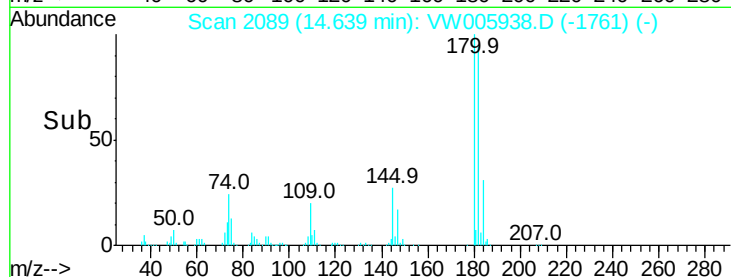
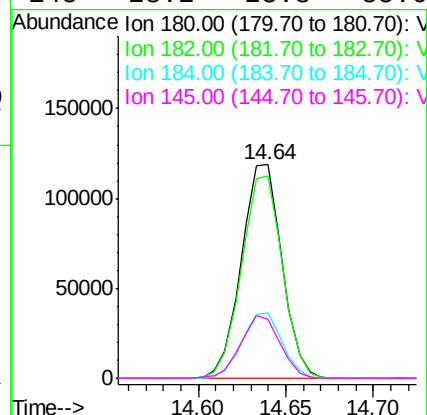
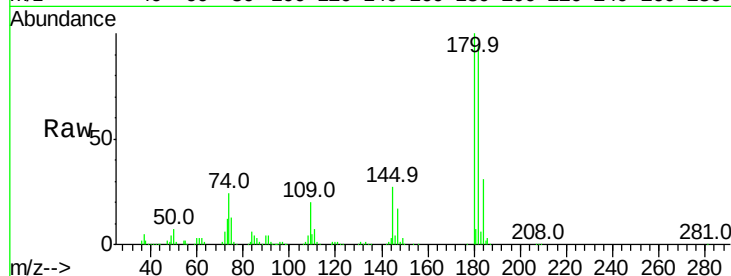




#67
 1,3,5-Trichlorobenzene
 Concen: 21.718 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW005938.D
 Acq: 09 Oct 2018 12:27

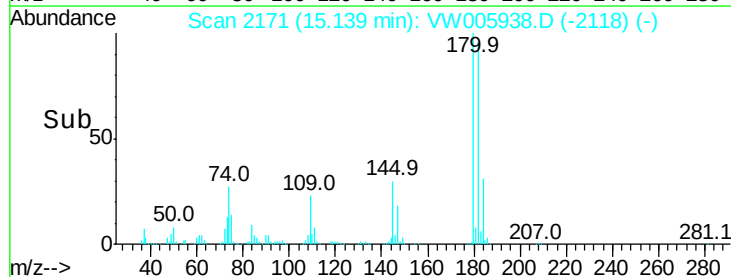
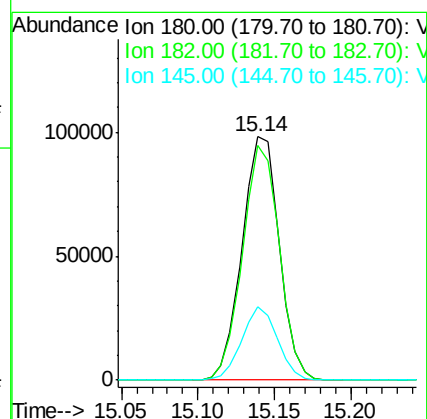
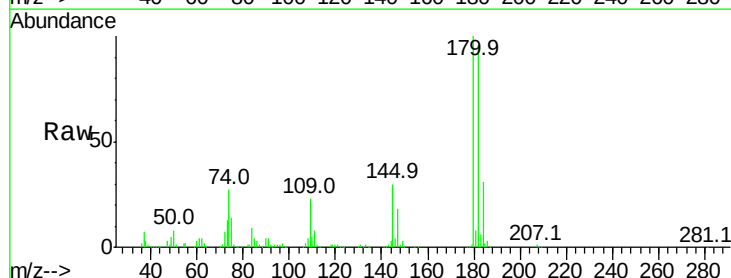
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

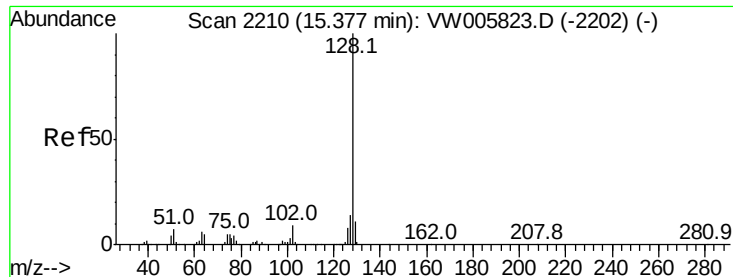
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	191857		
182	95.0	77.7	116.5	
184	30.4	24.6	37.0	
145	28.2	23.8	35.6	



#68
 1,2,4-trichlorobenzene
 Concen: 22.888 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005938.D
 Acq: 09 Oct 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	166100		
182	95.2	75.8	113.6	
145	28.8	23.8	35.6	





#69

Naphthalene

Concen: 24.788 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

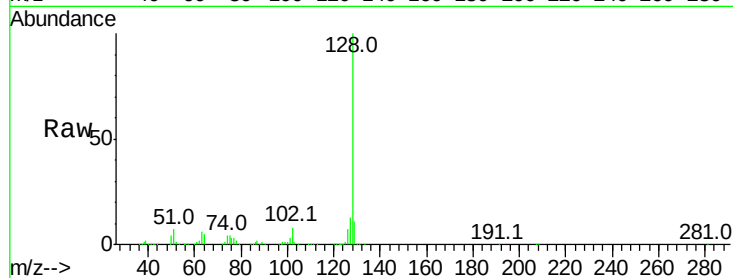
Tgt Ion:128 Resp: 360444

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

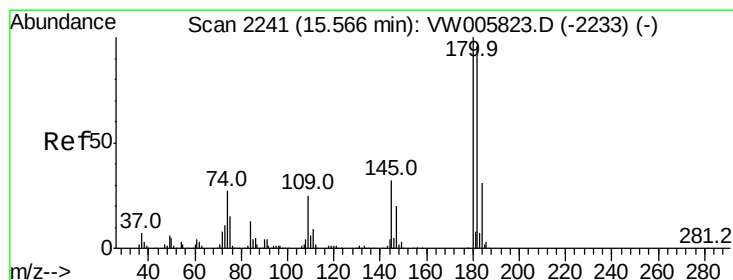
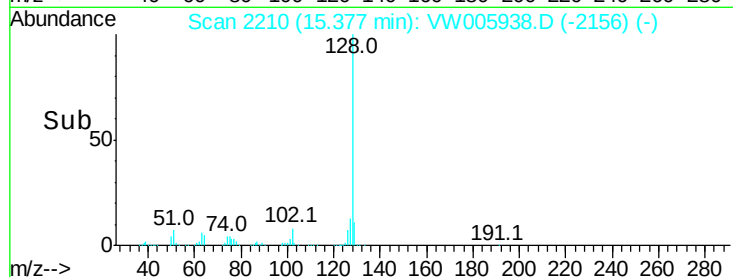
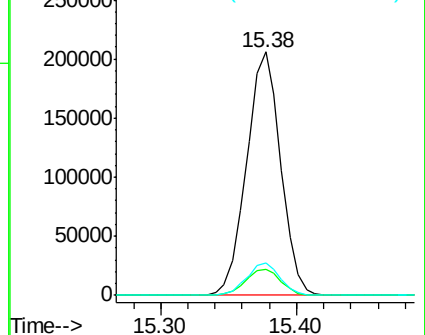
127 13.1 11.0 16.4



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: 22.087 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005938.D

Acq: 09 Oct 2018 12:27

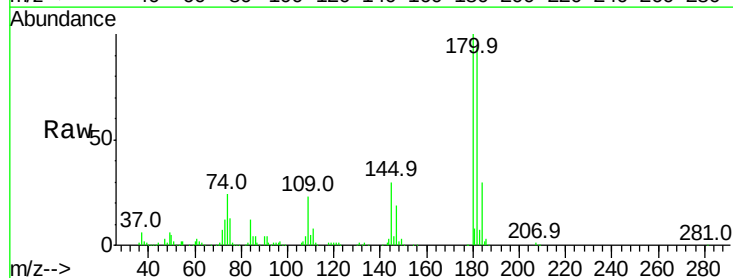
Tgt Ion:180 Resp: 150223

Ion Ratio Lower Upper

180 100

182 94.4 76.8 115.2

145 30.6 25.5 38.3



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

