

Data File : VW005939.D
Acq On : 09 Oct 2018 12:53
Operator : SY/AP
Sample : VSTD05097
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05097

Quant Time: Oct 09 14:08:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 09 14:04:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	378598	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357479	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	199012	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	187361	38.82	ug/L	0.00
7) Chloroethane-d5	2.89	69	170836	45.37	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	391141	37.12	ug/L	0.00
20) 2-Butanone-d5	7.08	46	162118	104.63	ug/L	0.00
24) Chloroform-d	7.65	84	411579	42.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	233295	39.60	ug/L	0.00
29) Benzene-d6	8.27	84	809620	45.75	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	244690	47.84	ug/L	0.00
37) Toluene-d8	10.33	98	815026	46.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	126307	47.02	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	141516	118.15	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	268952	54.13	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	351558	49.93	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	188075	42.365	ug/L	95
3) Chloromethane	2.22	50	173252	41.895	ug/L	97
5) Vinyl chloride	2.37	62	283191	47.493	ug/L	98
6) Bromomethane	2.78	94	219760	61.255	ug/L	99
8) Chloroethane	2.93	64	175183	52.840	ug/L	97
9) Trichlorofluoromethane	3.26	101	240442	52.773	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	233971	45.458	ug/L	97
12) 1,1-Dichloroethene	4.04	96	222003	45.162	ug/L	86
13) Acetone	4.12	43	165705	102.698	ug/L	100
14) Carbon disulfide	4.38	76	718774	46.634	ug/L	100
15) Methyl Acetate	4.67	43	134258	46.886	ug/L	100
16) Methylene chloride	4.91	84	223537	35.809	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	363874	46.522	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	243318	48.129	ug/L	95
19) 1,1-Dichloroethane	6.21	63	397399	42.481	ug/L	99
21) 2-Butanone	7.18	43	216787	112.189	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	266840	48.557	ug/L	99
23) Bromochloromethane	7.52	128	127084	49.828	ug/L	97
25) Chloroform	7.68	83	427638	42.725	ug/L	100
27) 1,2-Dichloroethane	8.40	62	298609	40.521	ug/L	98
30) Cyclohexane	7.96	56	399458	49.302	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	380972	43.519	ug/L	99
32) Carbon tetrachloride	8.07	117	376505	44.165	ug/L	99
34) Benzene	8.33	78	930081	46.046	ug/L	100
35) Trichloroethene	9.09	95	262866	48.645	ug/L	100
36) Methylcyclohexane	9.34	83	479852	51.067	ug/L	99
40) 1,2-Dichloropropane	9.37	63	230394	46.804	ug/L	99
41) Bromodichloromethane	9.65	83	322874	46.652	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	390757	48.069	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	408585	101.712	ug/L	99

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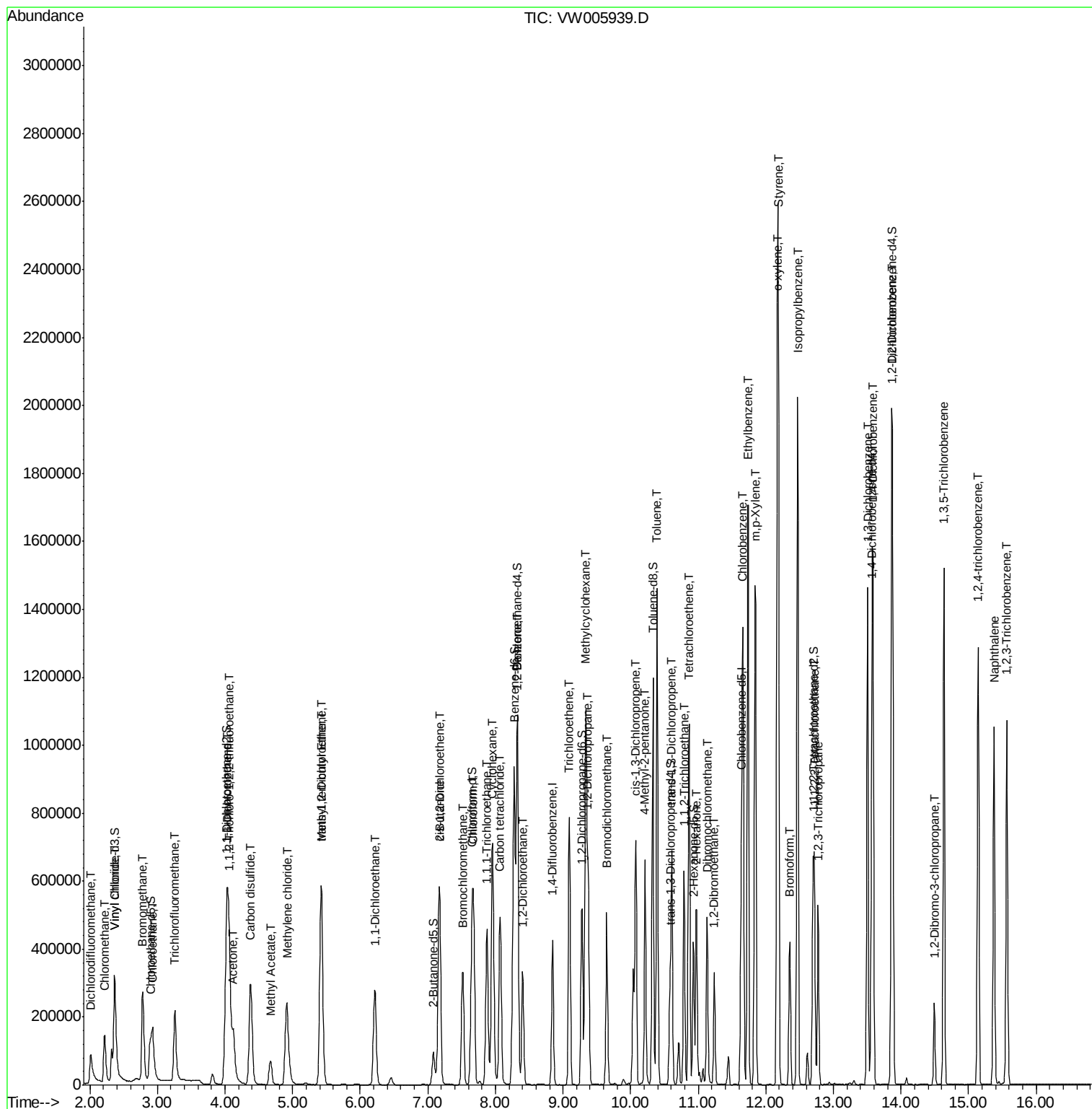
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1055976	46.782	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	350934	46.362	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	201750	49.116	ug/L	97
47) Tetrachloroethene	10.87	164	244989	51.460	ug/L	96
49) 2-Hexanone	10.97	43	316780	112.342	ug/L	97
50) Dibromochloromethane	11.13	129	262313	50.919	ug/L	98
51) 1,2-Dibromoethane	11.24	107	214231	53.946	ug/L	99
52) Chlorobenzene	11.66	112	711929	47.943	ug/L	99
53) Ethylbenzene	11.74	91	1228251	47.524	ug/L	99
54) m,p-Xylene	11.84	106	483517	49.659	ug/L	100
55) o-xylene	12.17	106	465013	50.669	ug/L	100
56) Styrene	12.19	104	813311	50.499	ug/L	96
57) Isopropylbenzene	12.47	105	1303558	49.729	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	278788	53.204	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	209239	49.192	ug/L	100
62) Bromoform	12.35	173	190627	53.866	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	623676	49.337	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	621415	47.072	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	576887	47.427	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	53859	46.569	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	500044	48.197	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	432543	50.752	ug/L	100
69) Naphthalene	15.38	128	937490	54.897	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	394802	49.427	ug/L	99

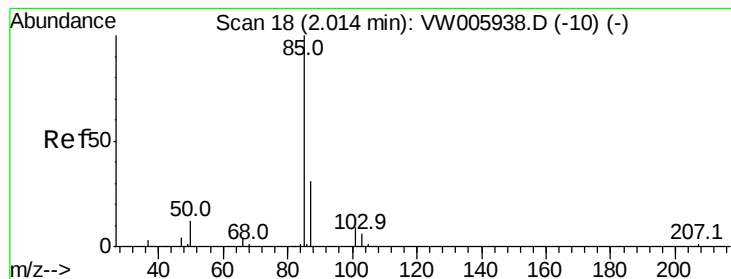
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.365 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampled :

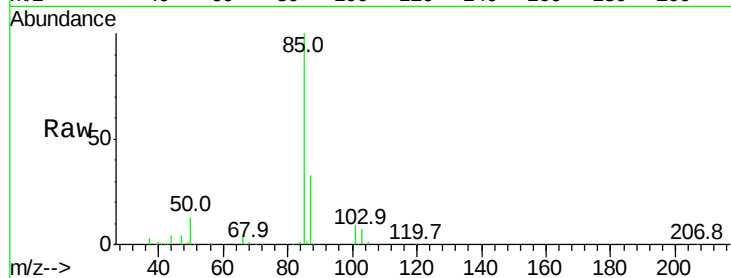
VSTD05097

Tgt Ion: 85 Resp: 188075

Ion Ratio Lower Upper

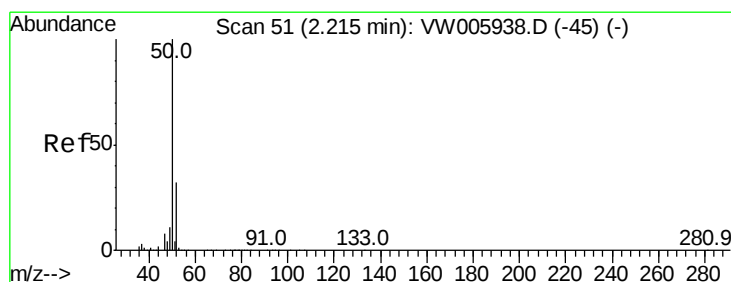
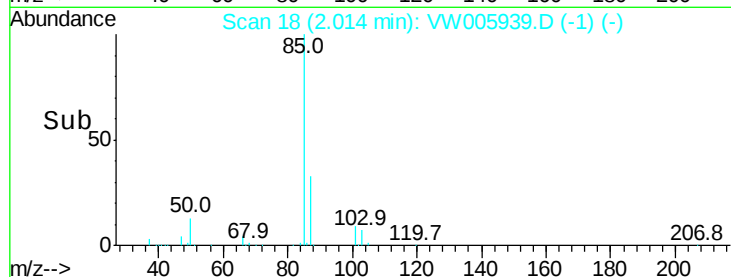
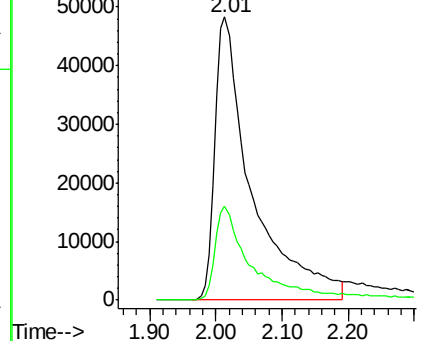
85 100

87 30.0 19.2 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 41.895 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005939.D

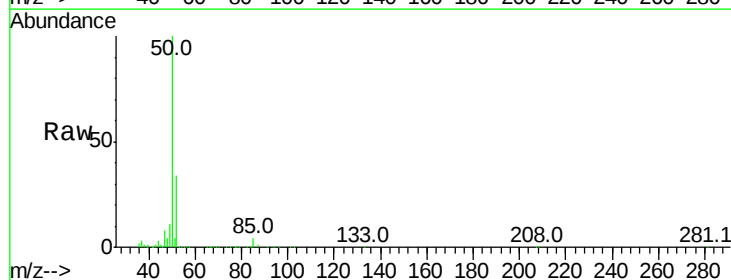
Acq: 09 Oct 2018 12:53

Tgt Ion: 50 Resp: 173252

Ion Ratio Lower Upper

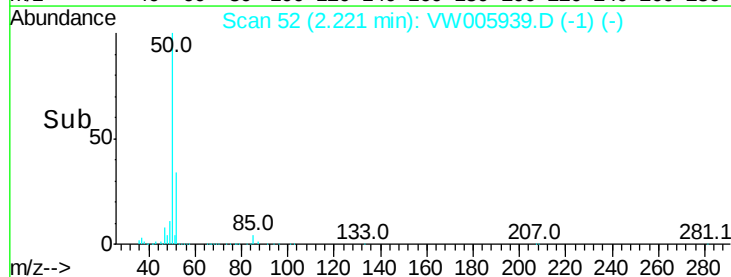
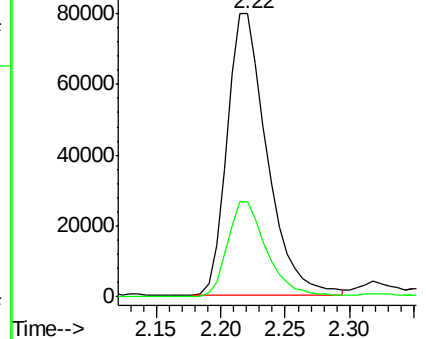
50 100

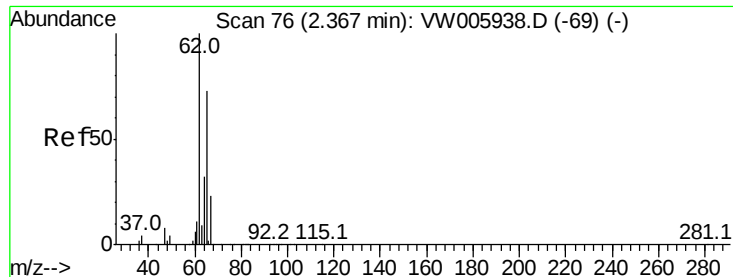
52 33.7 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 47.493 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

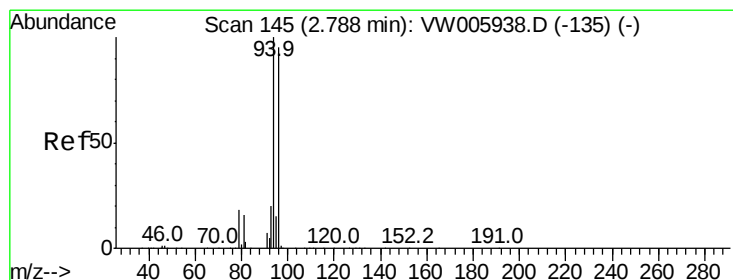
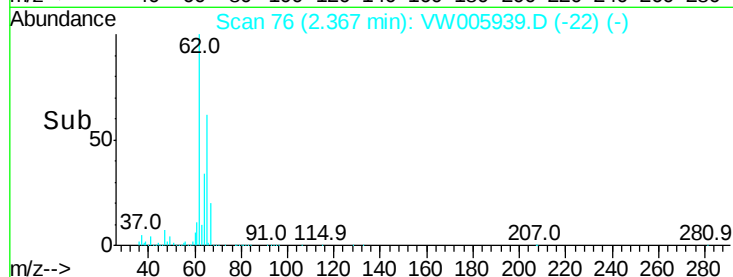
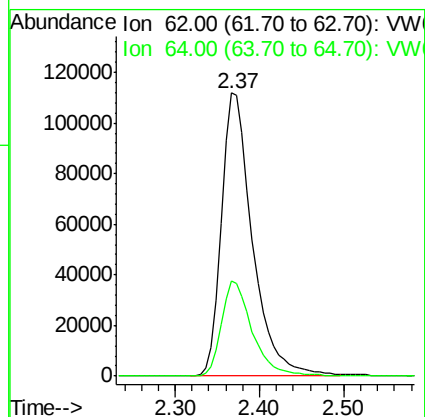
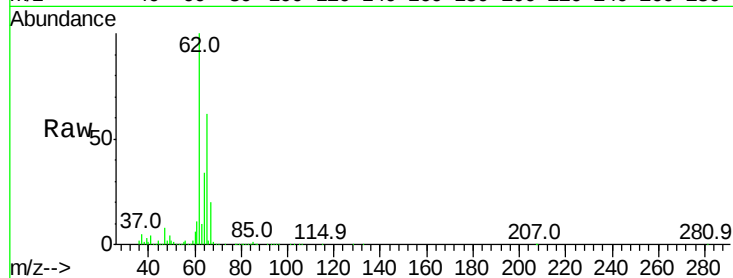
VSTD05097

Tgt Ion: 62 Resp: 283191

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



#6

Bromomethane

Concen: 61.255 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW005939.D

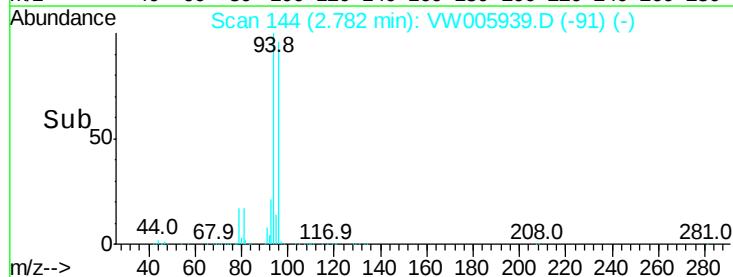
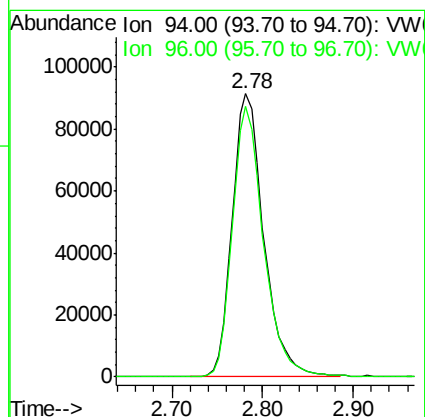
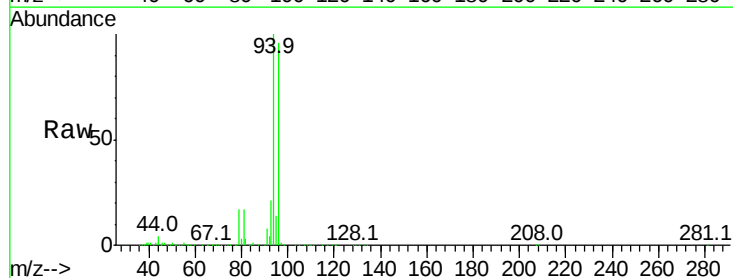
Acq: 09 Oct 2018 12:53

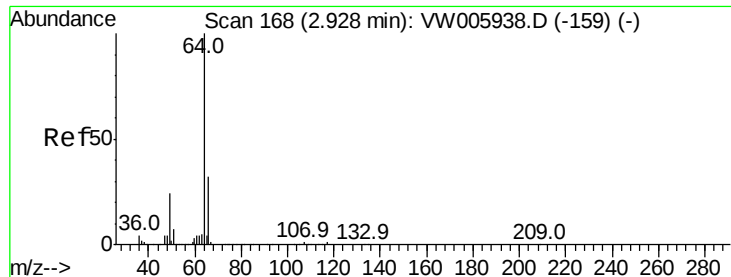
Tgt Ion: 94 Resp: 219760

Ion Ratio Lower Upper

94 100

96 94.3 9.5 181.3





#8

Chloroethane

Concen: 52.840 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

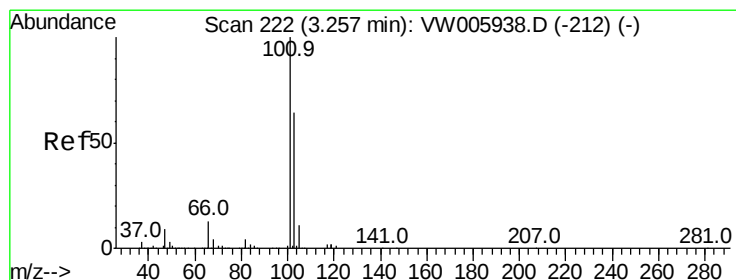
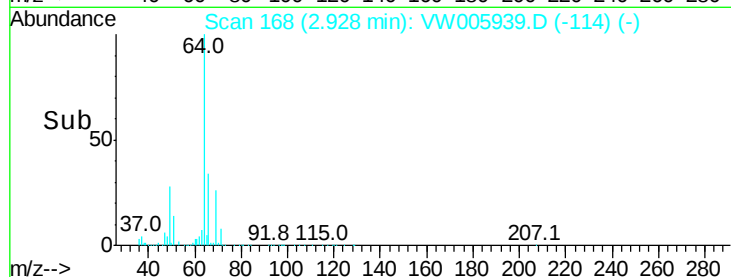
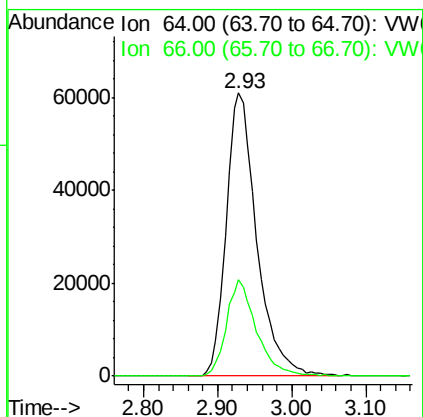
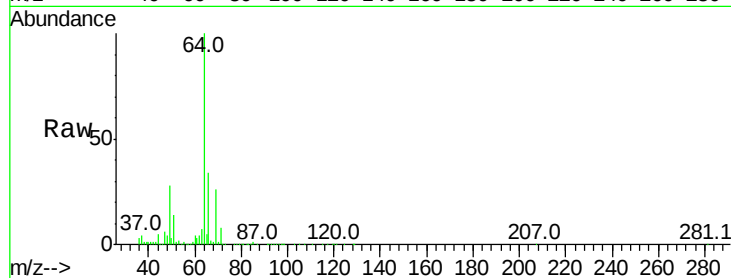
VSTD05097

Tgt Ion: 64 Resp: 175183

Ion Ratio Lower Upper

64 100

66 34.3 22.7 42.1



#9

Trichlorofluoromethane

Concen: 52.773 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005939.D

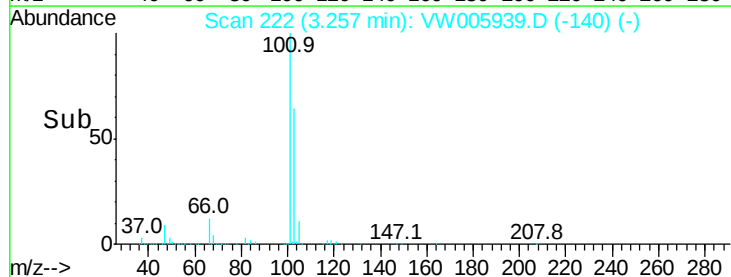
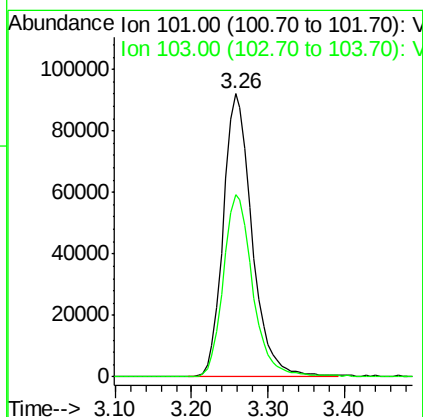
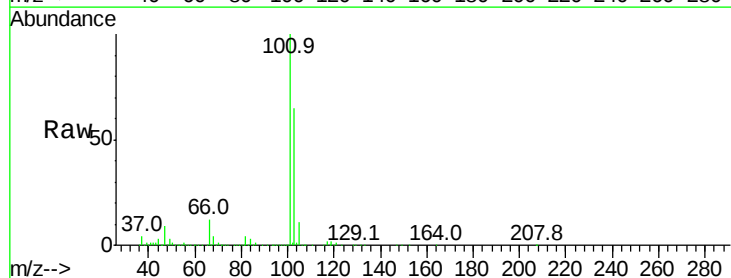
Acq: 09 Oct 2018 12:53

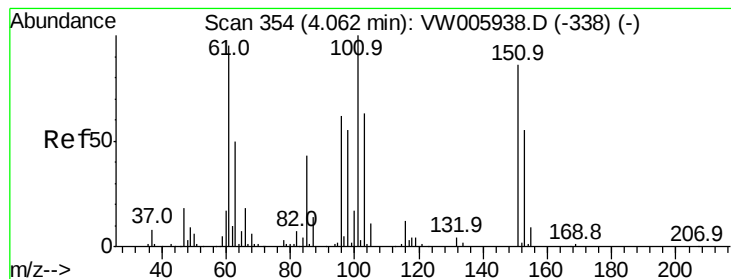
Tgt Ion: 101 Resp: 240442

Ion Ratio Lower Upper

101 100

103 65.2 45.6 84.6





#11

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

Concen: 45.458 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05097

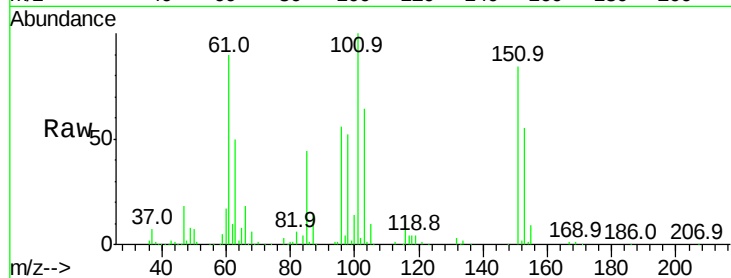
Tgt Ion:101 Resp: 233971

Ion Ratio Lower Upper

101 100

85 43.9 33.4 50.2

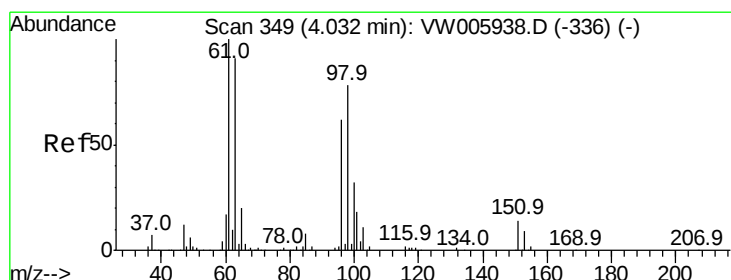
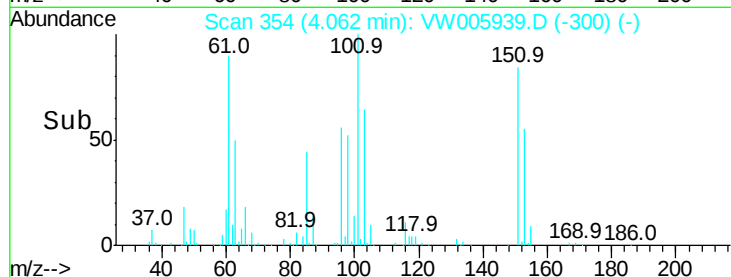
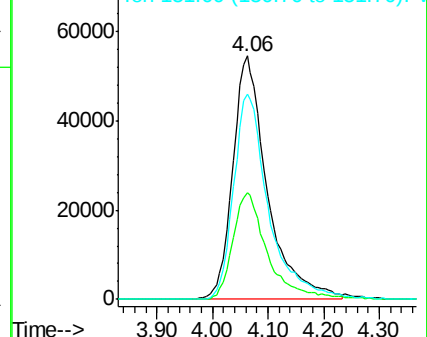
151 83.7 68.7 103.1



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: 45.162 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

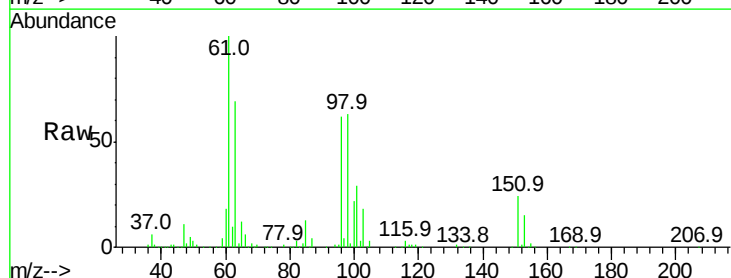
Tgt Ion: 96 Resp: 222003

Ion Ratio Lower Upper

96 100

61 161.3 112.3 208.7

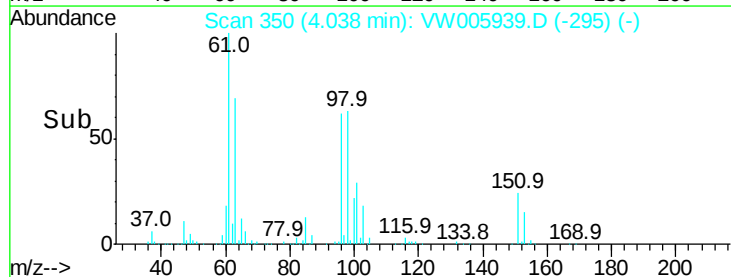
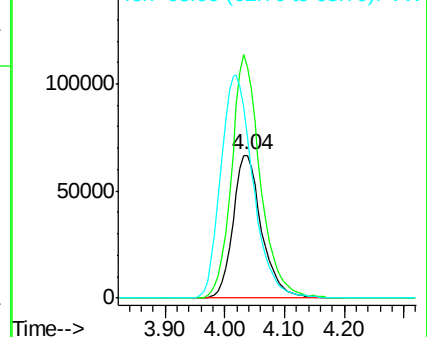
63 111.7 102.6 190.6

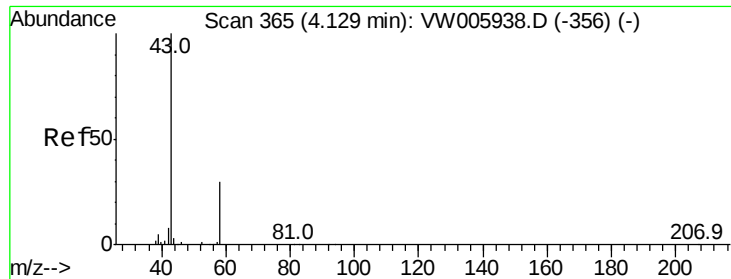


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 102.698 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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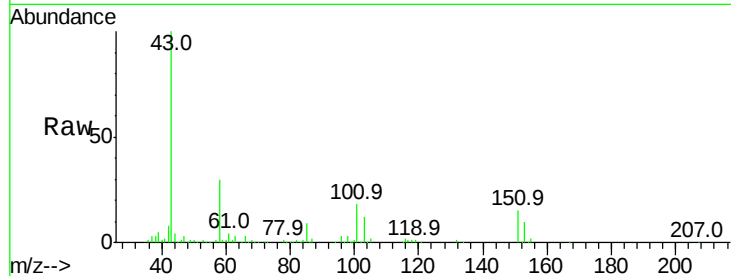
VSTD05097

Tgt Ion: 43 Resp: 165705

Ion Ratio Lower Upper

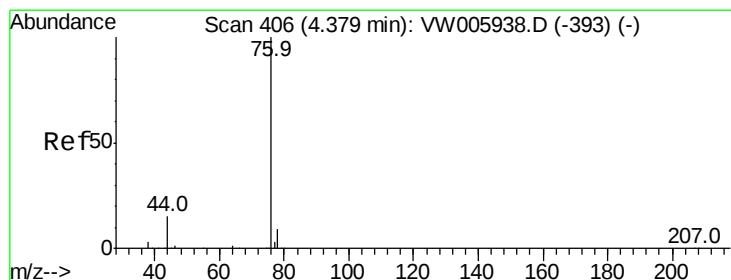
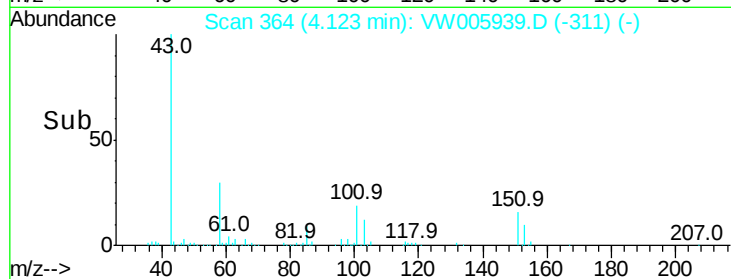
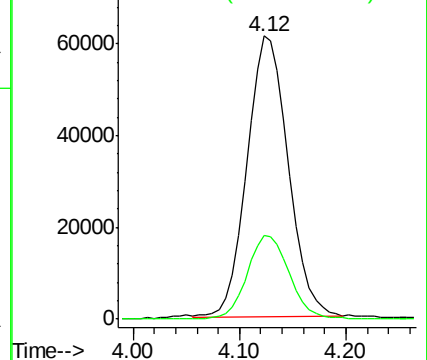
43 100

58 30.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 46.634 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005939.D

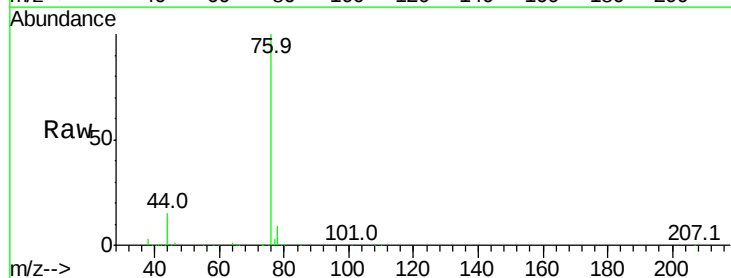
Acq: 09 Oct 2018 12:53

Tgt Ion: 76 Resp: 718774

Ion Ratio Lower Upper

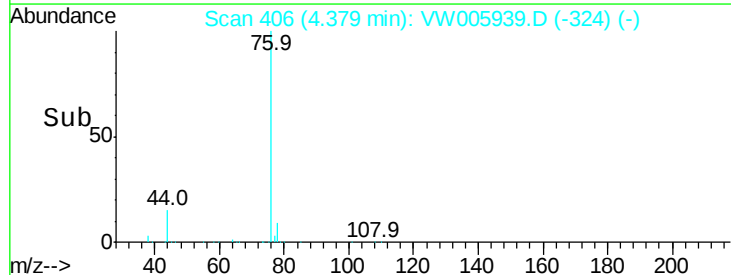
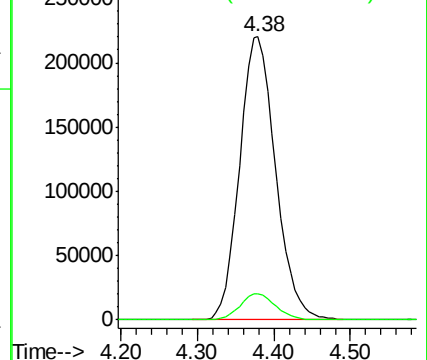
76 100

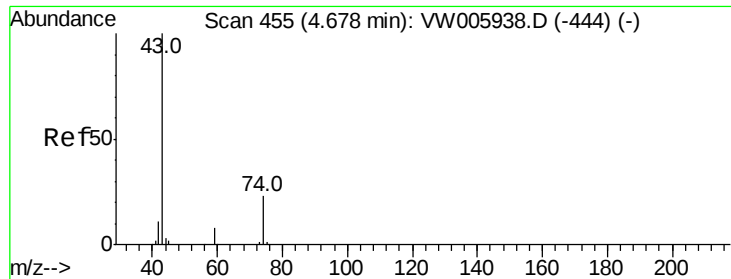
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

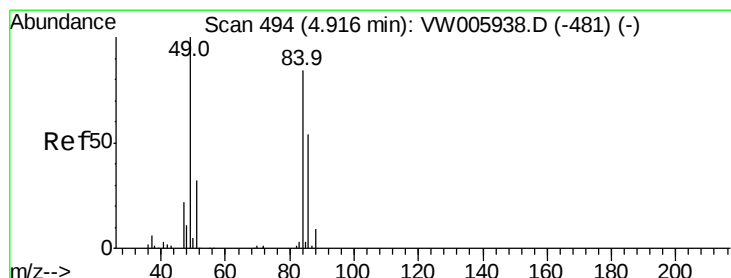
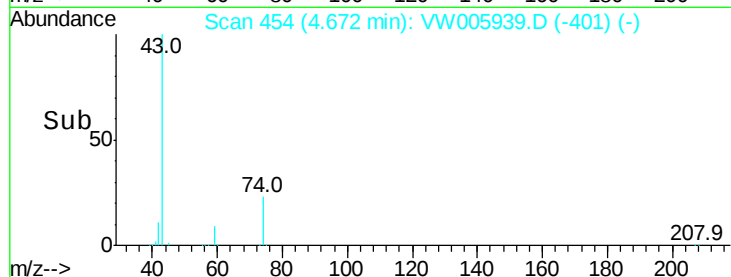
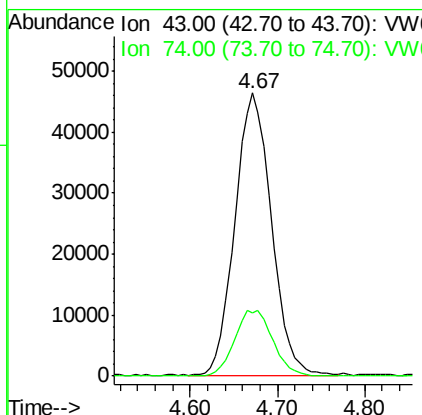
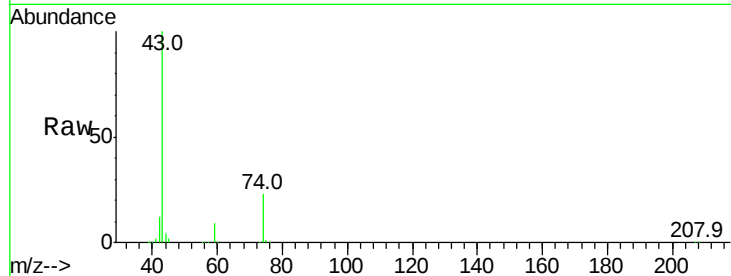




#15
Methyl Acetate
Concen: 46.886 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

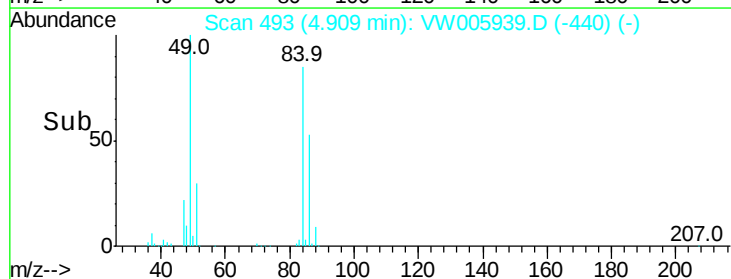
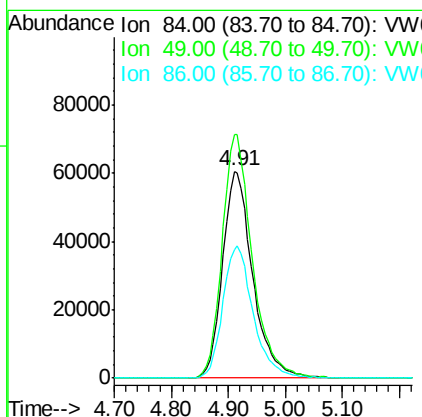
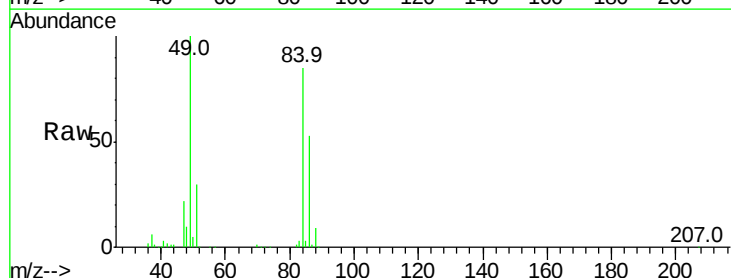
Instrument :
MSVOA_W
ClientSampled :
VSTD05097

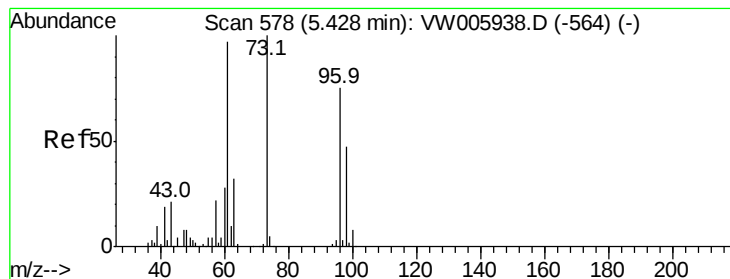
Tgt Ion: 43 Resp: 134258
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2



#16
Methylene chloride
Concen: 35.809 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

Tgt Ion: 84 Resp: 223537
Ion Ratio Lower Upper
84 100
49 117.7 83.5 155.1
86 61.9 44.9 83.5





#17

Methyl tert-butyl Ether

Concen: 46.522 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTD05097

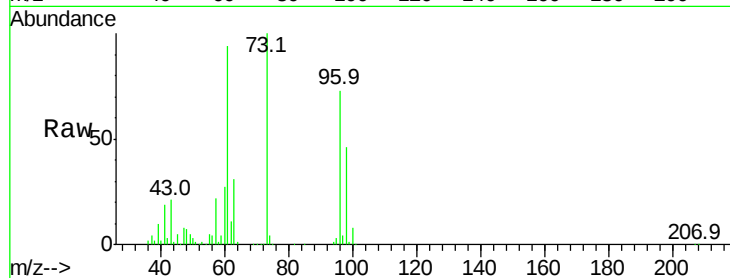
Tgt Ion: 73 Resp: 363874

Ion Ratio Lower Upper

73 100

43 21.4 17.0 25.4

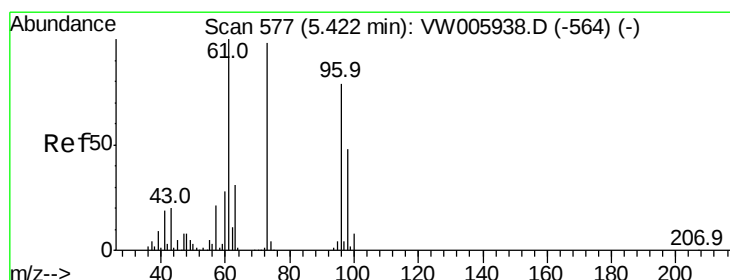
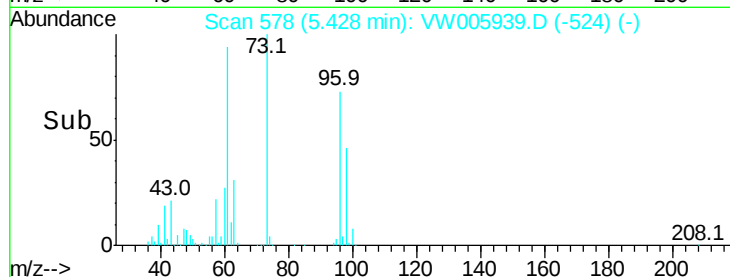
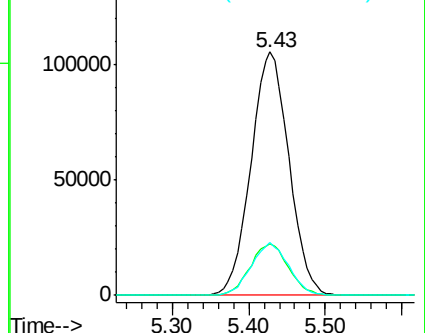
57 21.1 17.1 25.7



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: 48.129 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

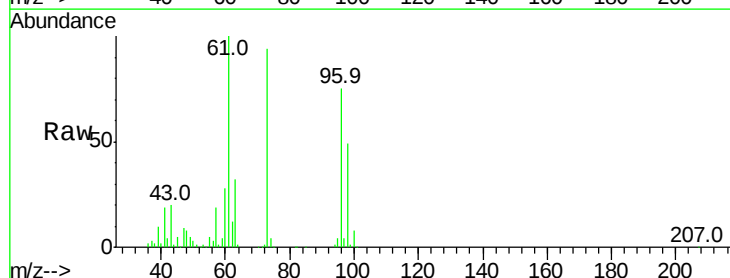
Tgt Ion: 96 Resp: 243318

Ion Ratio Lower Upper

96 100

61 132.5 89.0 165.2

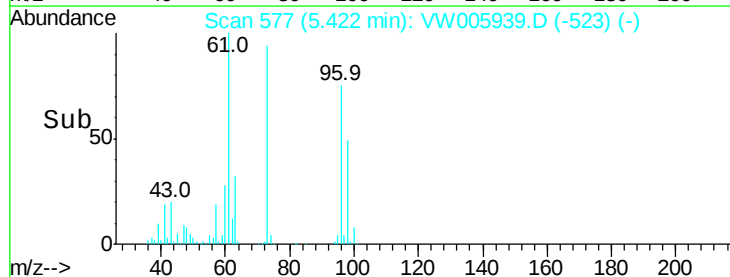
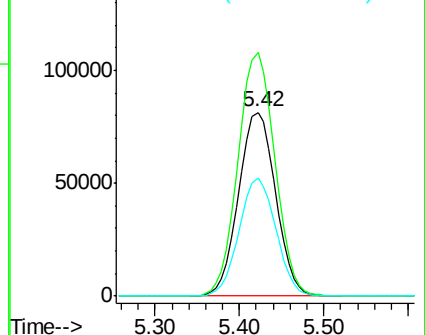
98 64.6 42.4 78.6

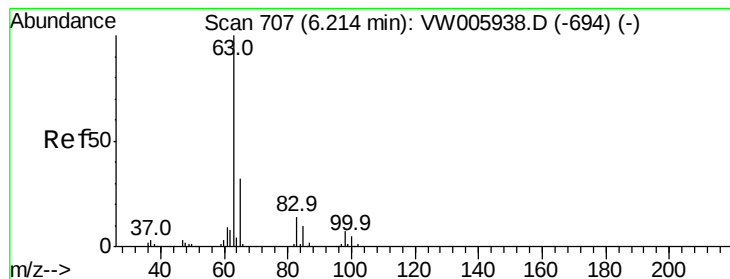


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 42.481 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05097

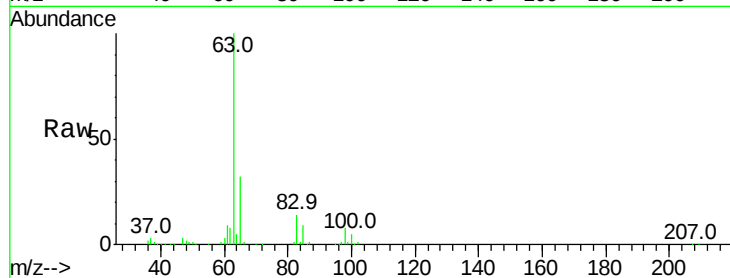
Tgt Ion: 63 Resp: 397399

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.5

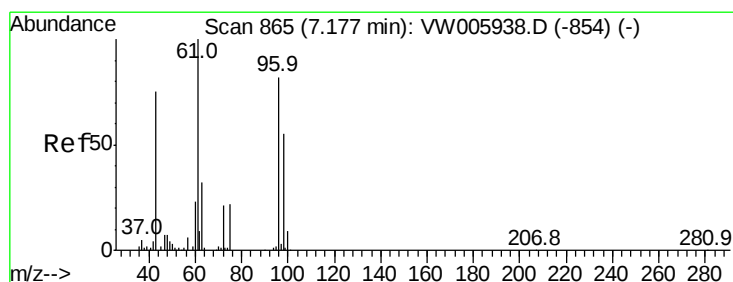
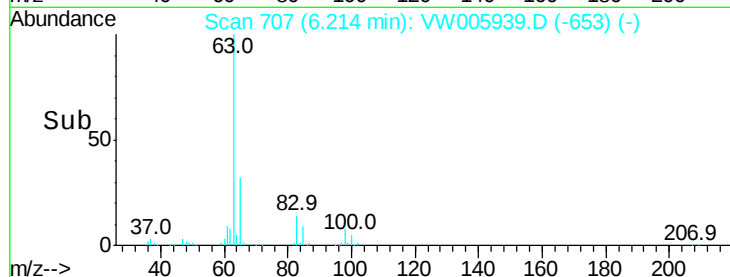
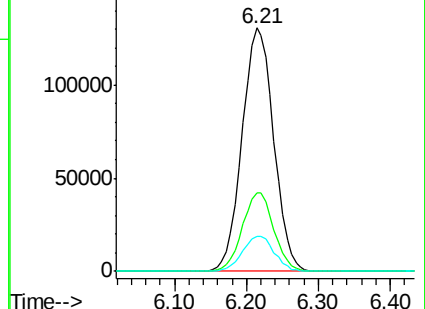
83 14.4 9.7 18.1



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: 112.189 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005939.D

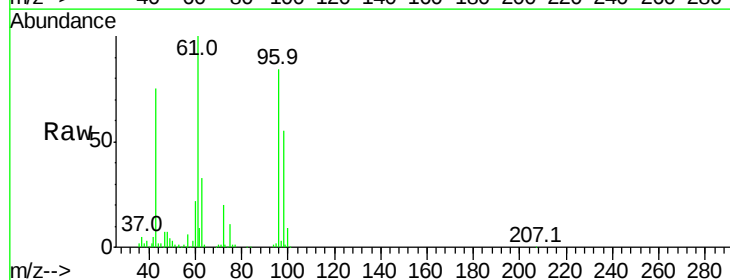
Acq: 09 Oct 2018 12:53

Tgt Ion: 43 Resp: 216787

Ion Ratio Lower Upper

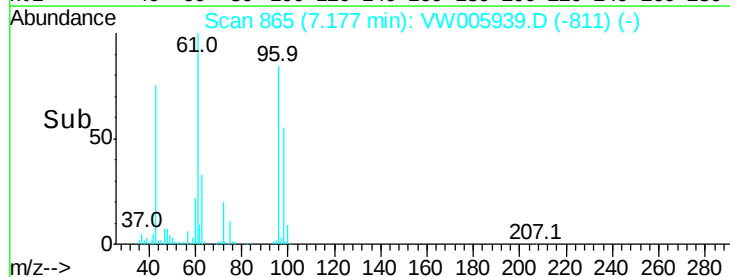
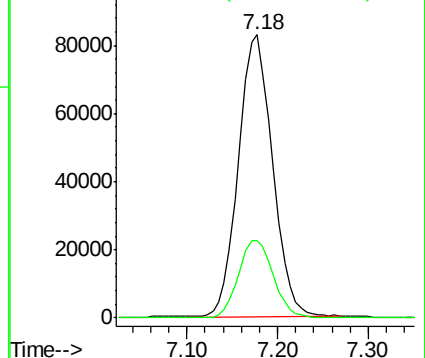
43 100

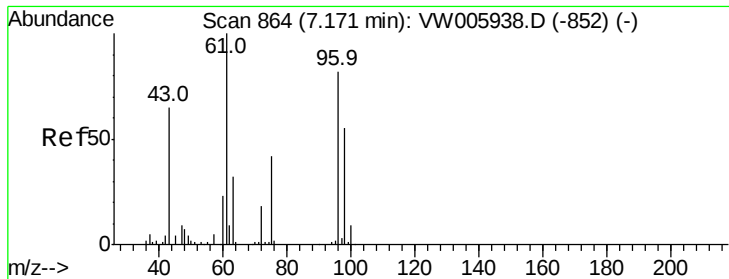
72 28.1 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



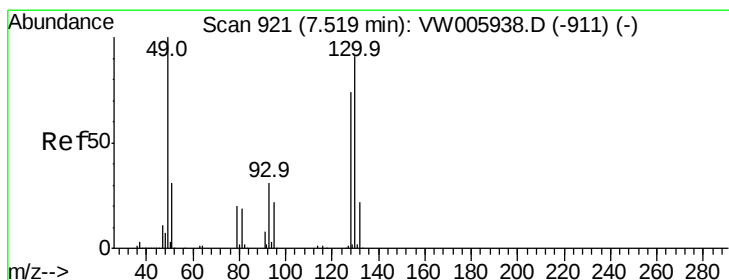
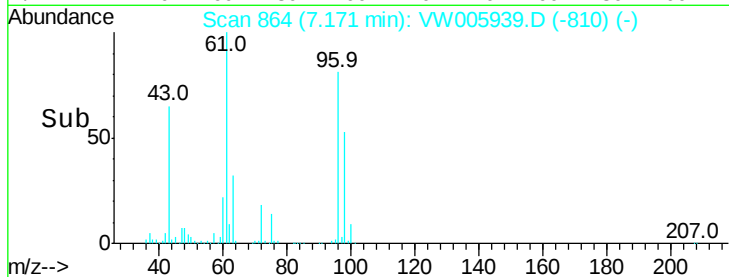
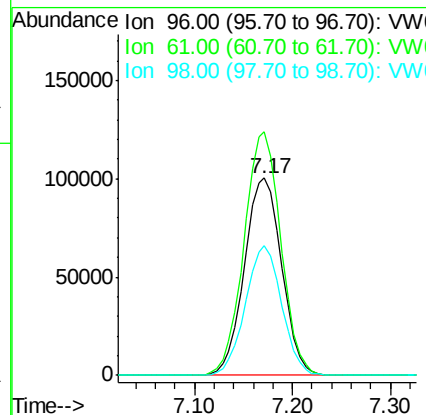
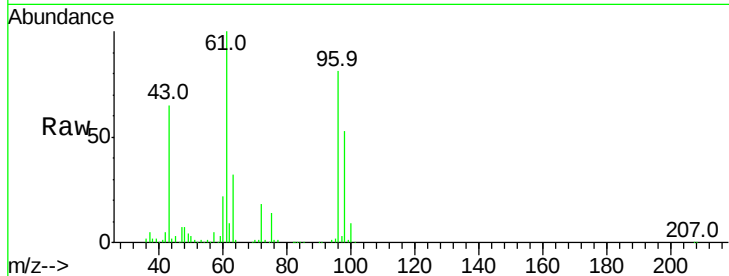


#22

cis-1,2-Dichloroethene
 Concen: 48.557 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05097

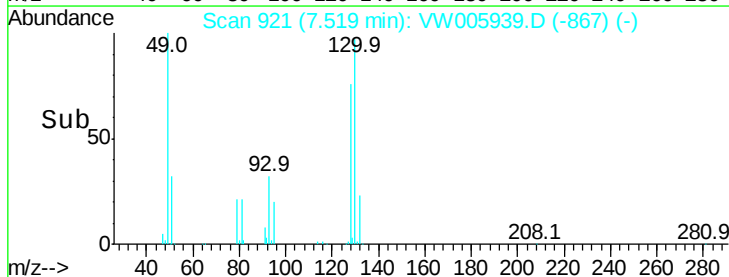
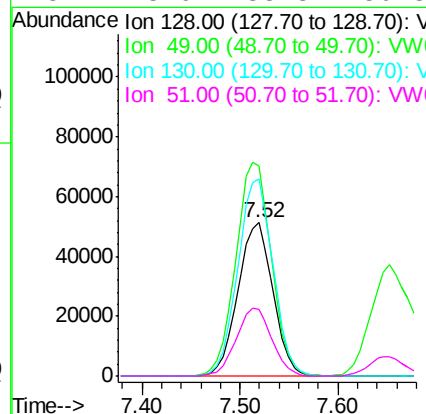
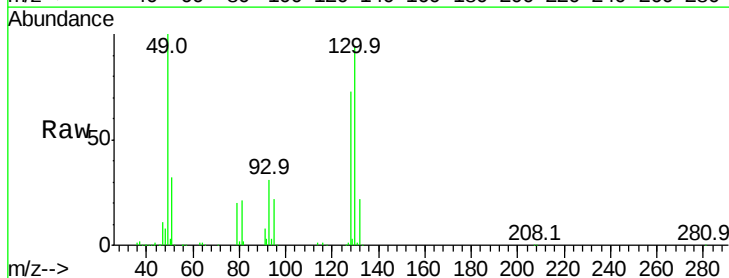
Tgt Ion: 96 Resp: 266840
 Ion Ratio Lower Upper
 96 100
 61 123.5 85.1 158.1
 98 65.5 46.3 86.1

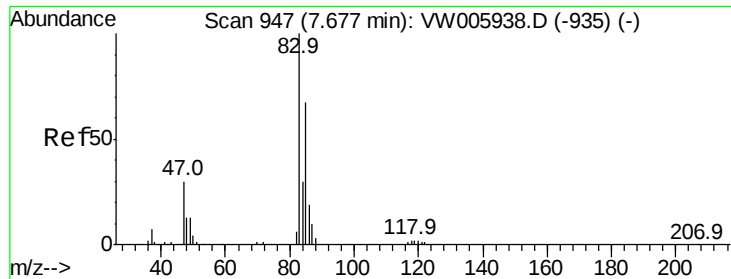


#23

Bromochloromethane
 Concen: 49.828 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

Tgt Ion: 128 Resp: 127084
 Ion Ratio Lower Upper
 128 100
 49 137.0 95.2 176.8
 130 128.4 86.3 160.3
 51 43.9 33.8 50.8

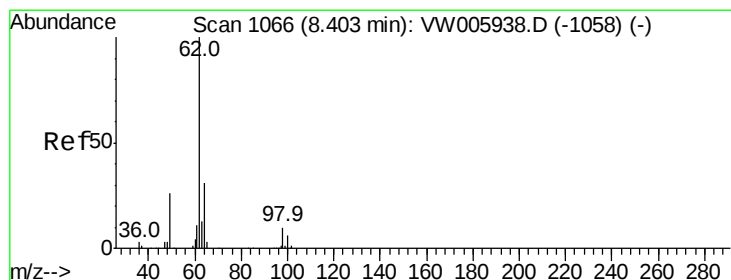
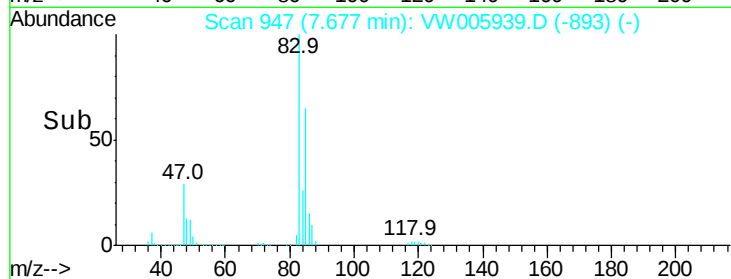
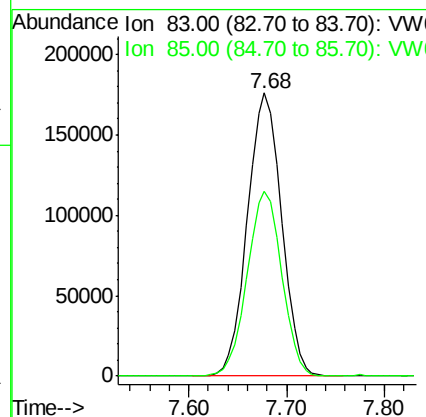
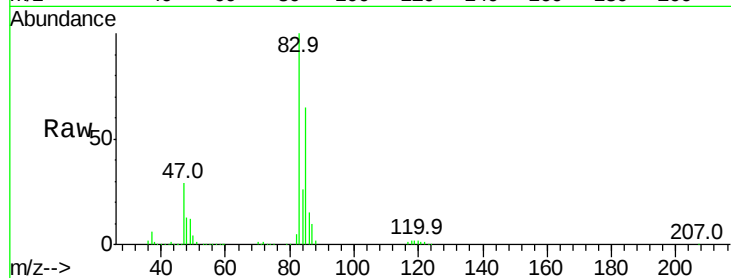




#25
Chloroform
Concen: 42.725 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

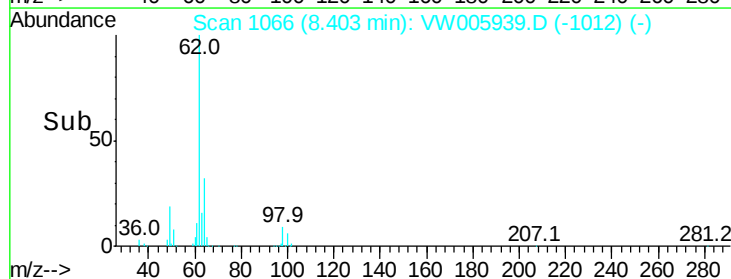
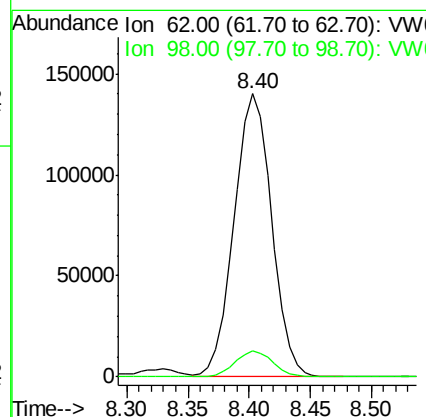
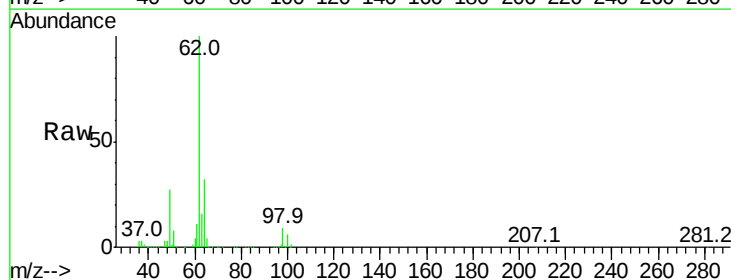
Instrument :
MSVOA_W
ClientSampleId :
VSTD05097

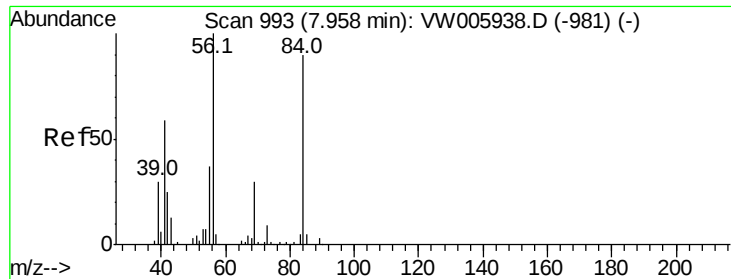
Tgt Ion: 83 Resp: 427638
Ion Ratio Lower Upper
83 100
85 66.2 46.3 85.9



#27
1,2-Dichloroethane
Concen: 40.521 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

Tgt Ion: 62 Resp: 298609
Ion Ratio Lower Upper
62 100
98 9.2 8.0 12.0

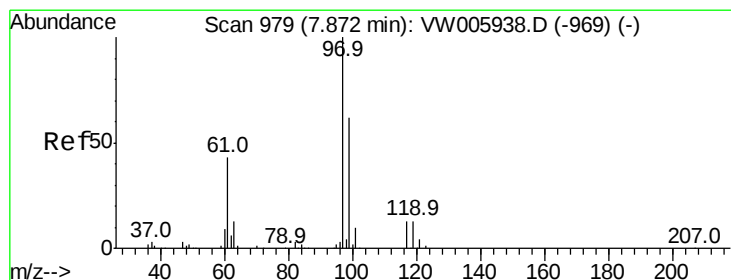
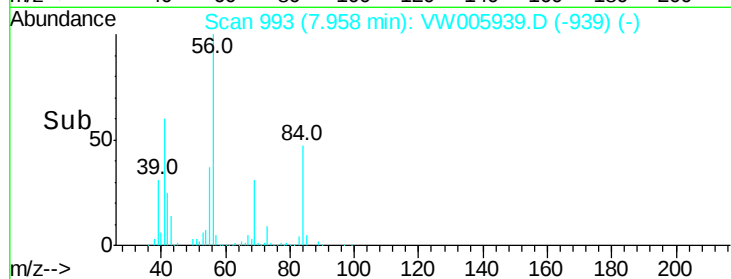
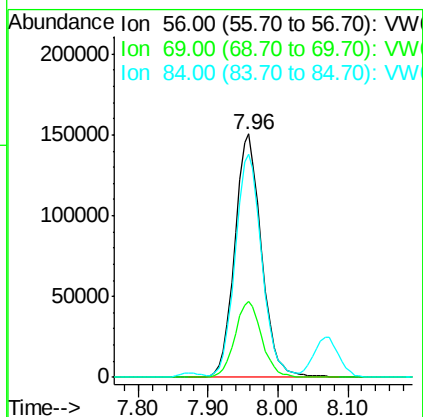
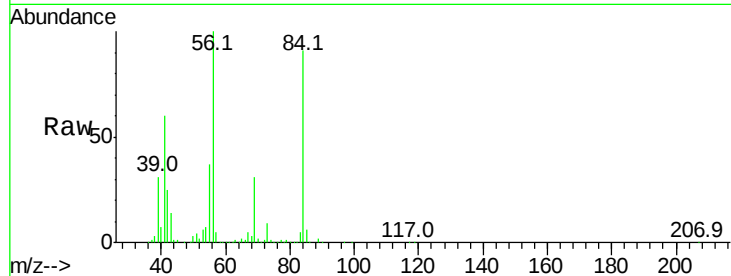




#30
Cyclohexane
Concen: 49.302 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

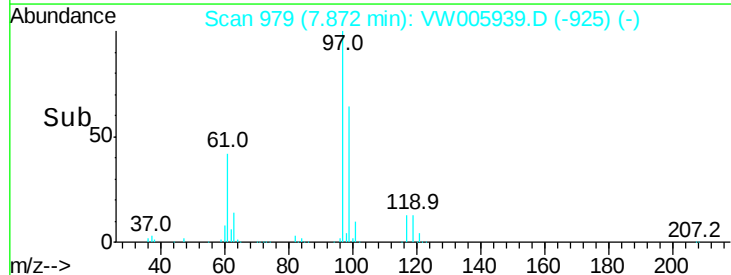
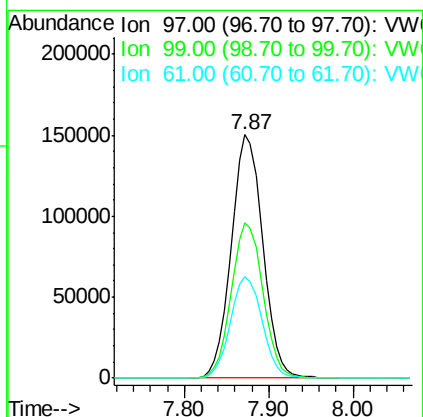
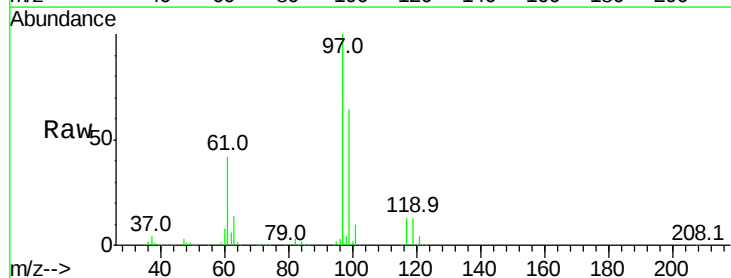
Instrument :
MSVOA_W
ClientSampleId :
VSTD05097

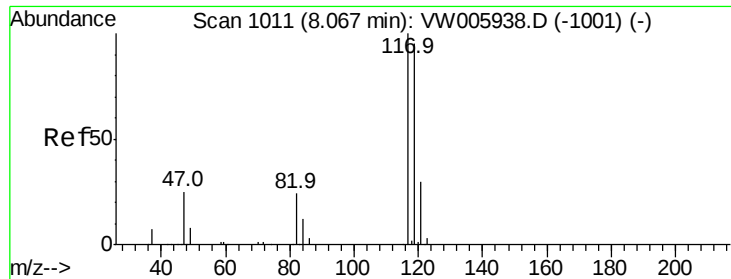
Tgt Ion: 56 Resp: 399458
Ion Ratio Lower Upper
56 100
69 31.5 25.4 38.0
84 91.4 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 43.519 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

Tgt Ion: 97 Resp: 380972
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 42.3 33.6 50.4





#32

Carbon tetrachloride

Concen: 44.165 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

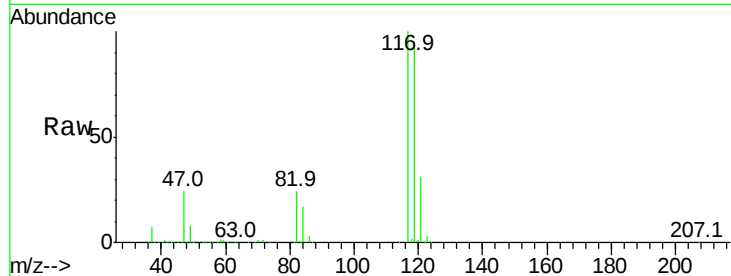
VSTD05097

Tgt Ion:117 Resp: 376505

Ion Ratio Lower Upper

117 100

119 96.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

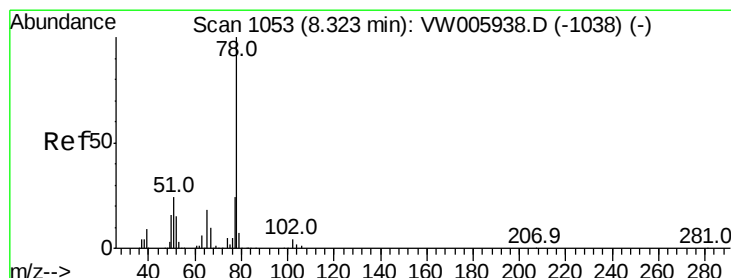
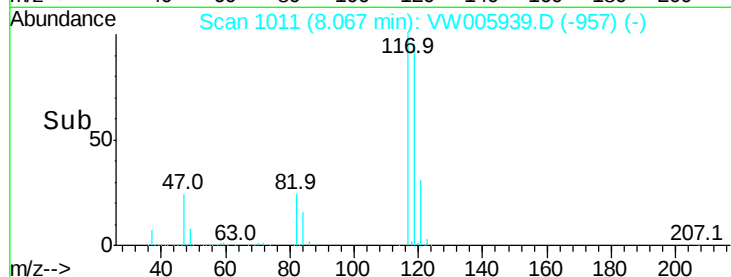
100000

50000

0

8.07

Time-->



#34

Benzene

Concen: 46.046 ug/L

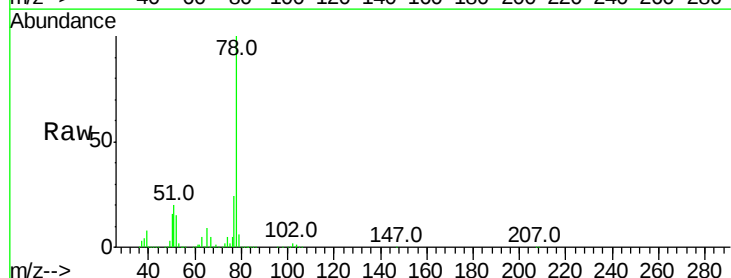
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Tgt Ion: 78 Resp: 930081



Abundance Ion 78.00 (77.70 to 78.70): VW

400000

300000

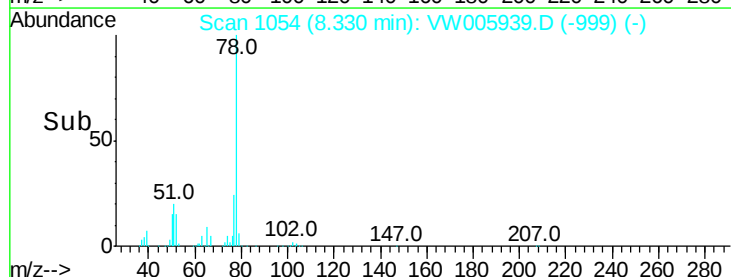
200000

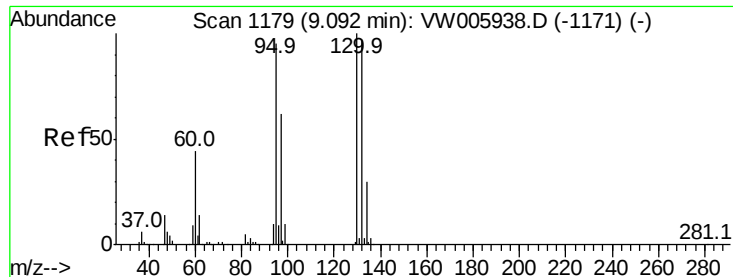
100000

0

8.33

Time-->





#35

Trichloroethene

Concen: 48.645 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05097

Tgt Ion: 95 Resp: 262866

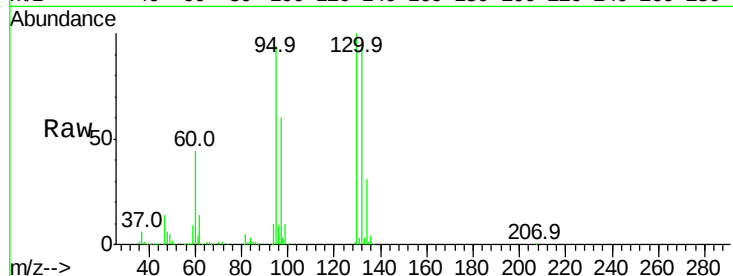
Ion Ratio Lower Upper

95 100

97 65.1 45.8 85.0

132 104.2 72.9 135.3

130 107.5 75.8 140.8

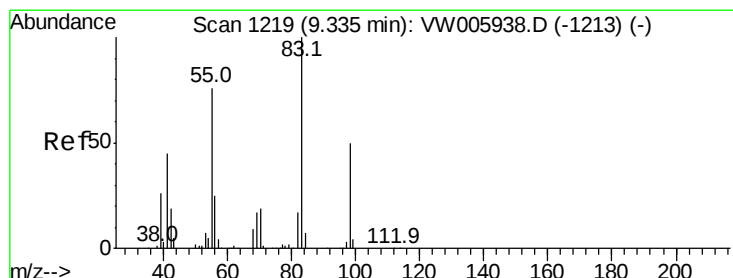
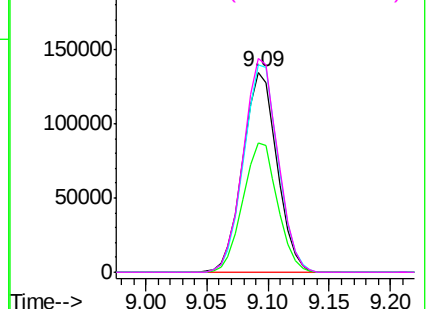
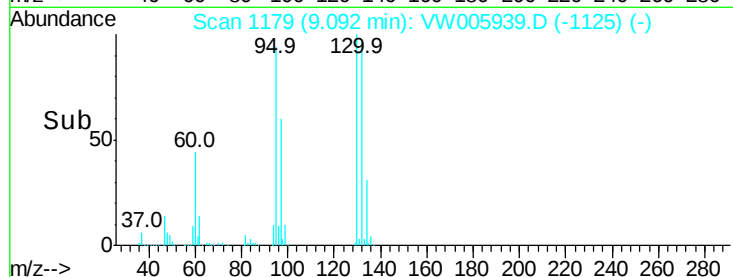


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 51.067 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

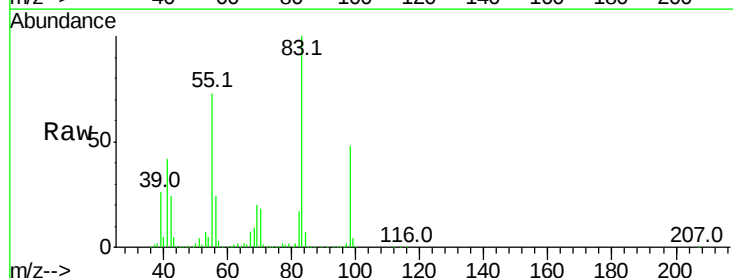
Tgt Ion: 83 Resp: 479852

Ion Ratio Lower Upper

83 100

55 72.1 57.1 85.7

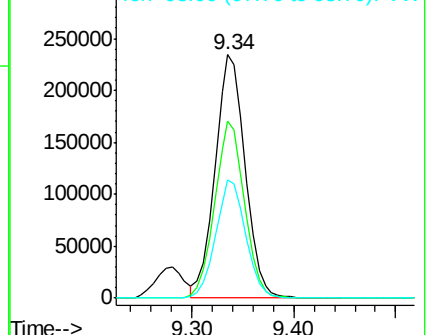
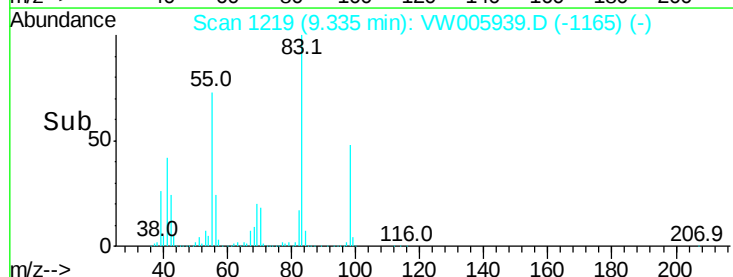
98 48.3 38.9 58.3

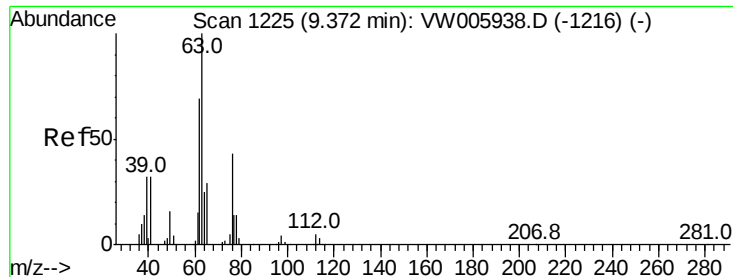


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

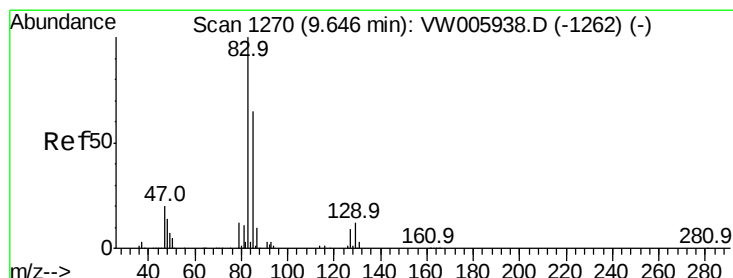
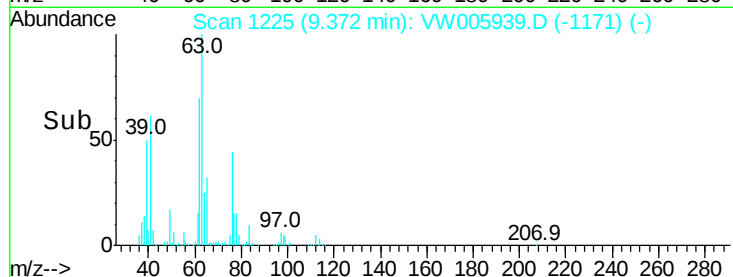
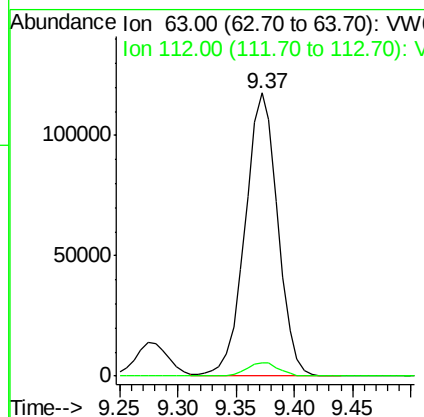
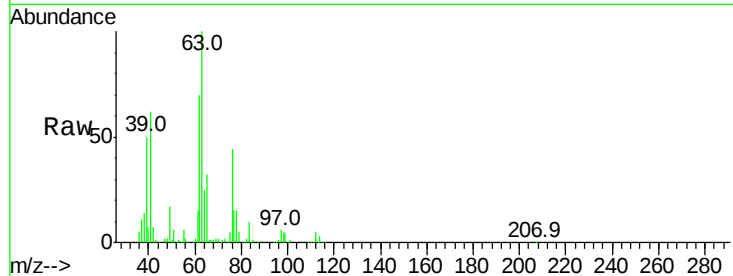




#40
 1,2-Dichloropropane
 Concen: 46.804 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

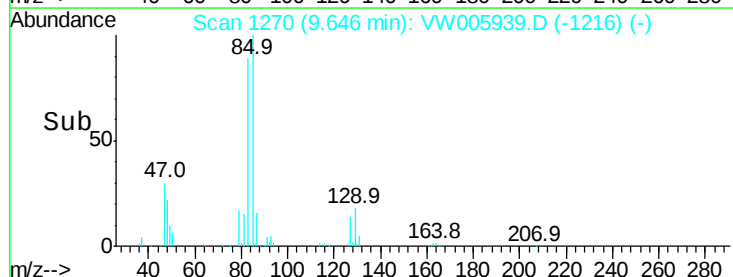
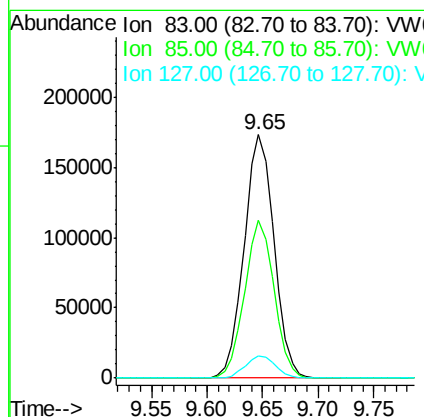
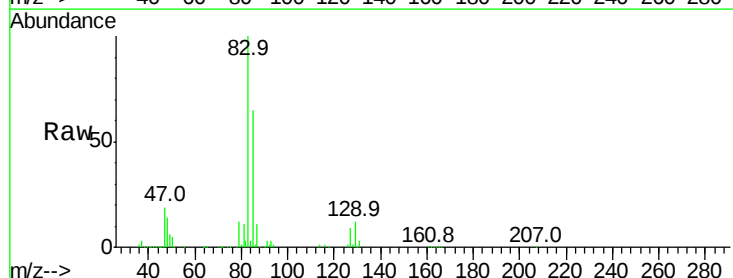
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05097

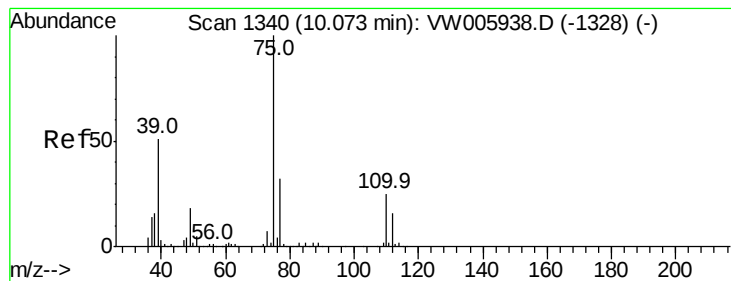
Tgt Ion: 63 Resp: 230394
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#41
 Bromodichloromethane
 Concen: 46.652 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

Tgt Ion: 83 Resp: 322874
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.5 84.5
 127 9.1 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 48.069 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

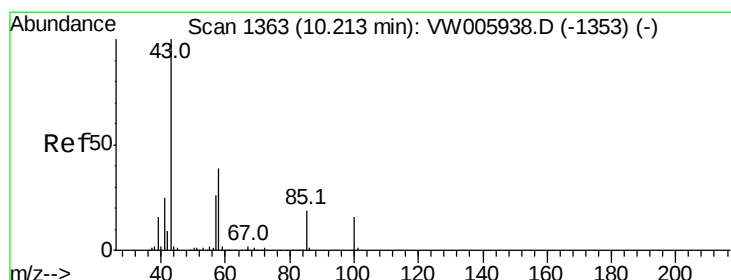
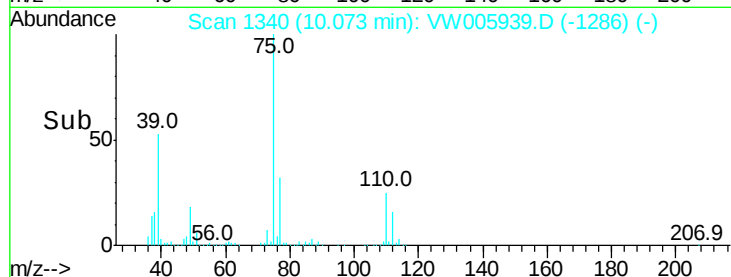
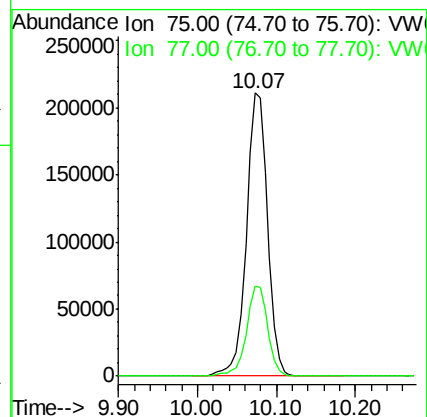
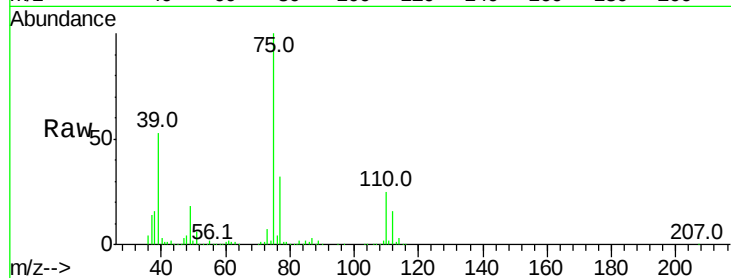
VSTD05097

Tgt Ion: 75 Resp: 390757

Ion Ratio Lower Upper

75 100

77 31.7 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 101.712 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

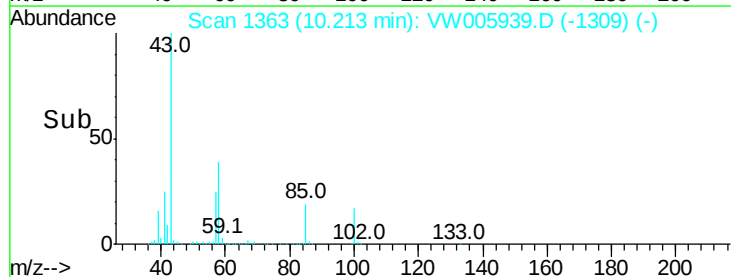
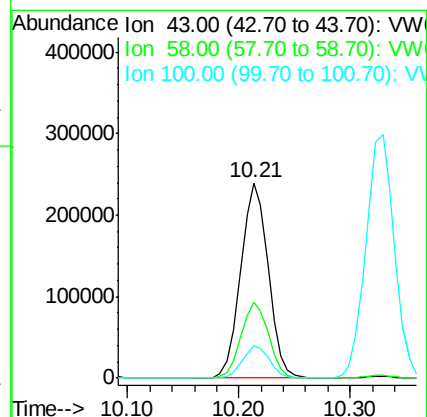
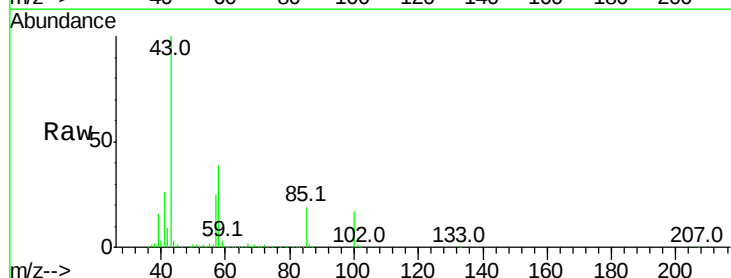
Tgt Ion: 43 Resp: 408585

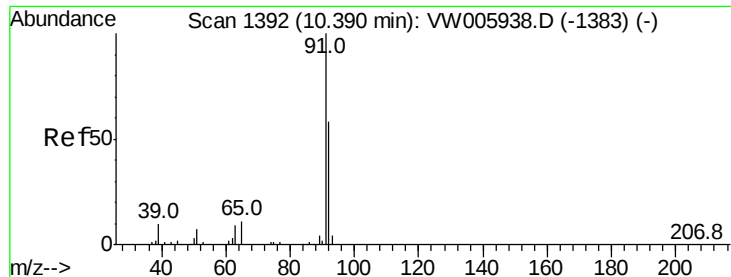
Ion Ratio Lower Upper

43 100

58 38.9 31.4 47.2

100 16.5 13.3 19.9





#44

Toluene

Concen: 46.782 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

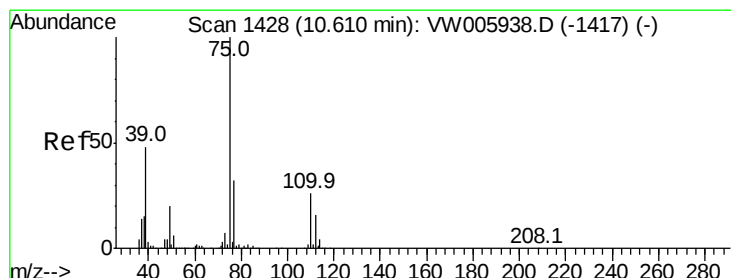
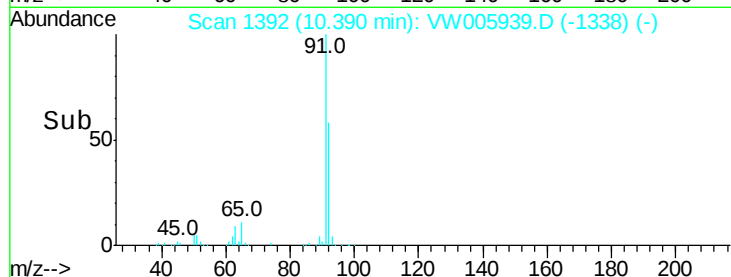
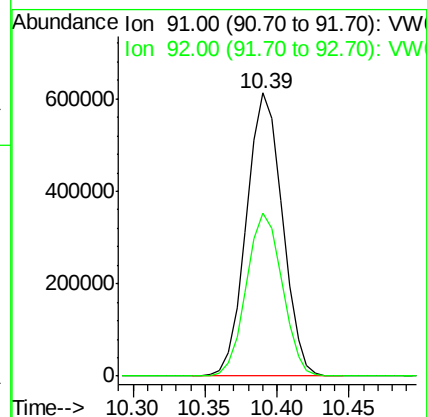
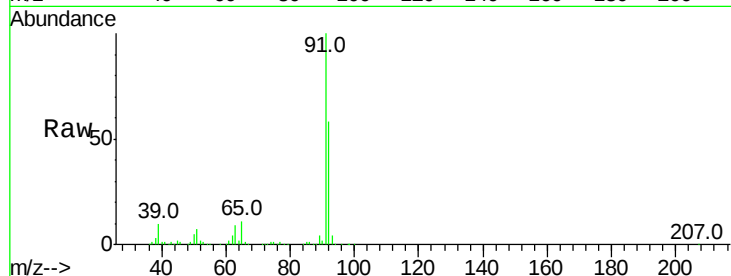
VSTD05097

Tgt Ion: 91 Resp: 1055976

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 46.362 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005939.D

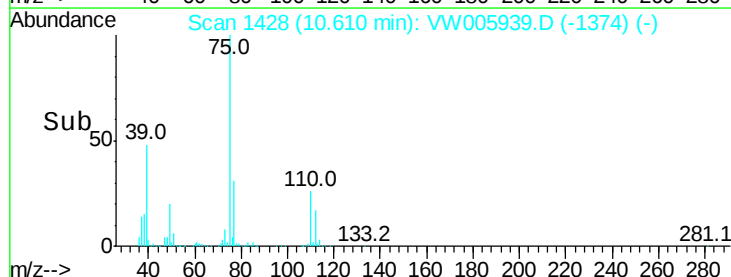
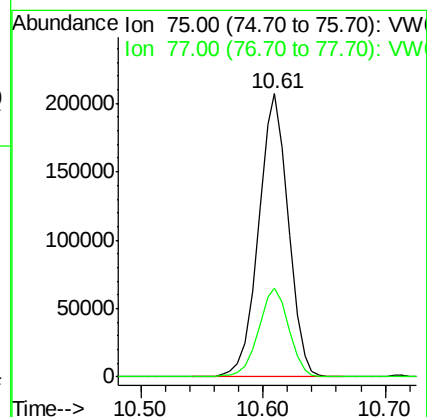
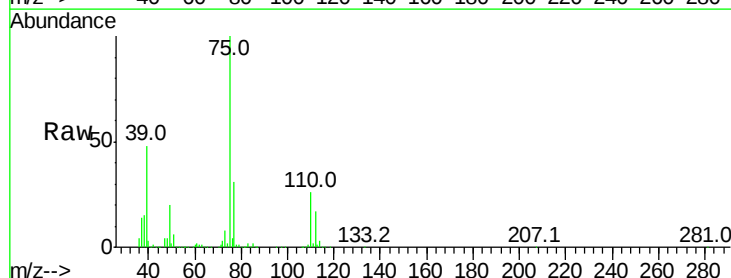
Acq: 09 Oct 2018 12:53

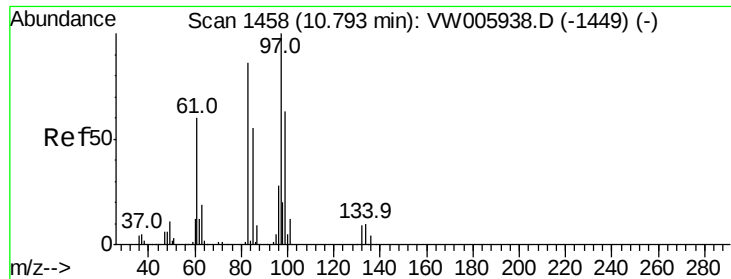
Tgt Ion: 75 Resp: 350934

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 49.116 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05097

Tgt Ion: 97 Resp: 201750

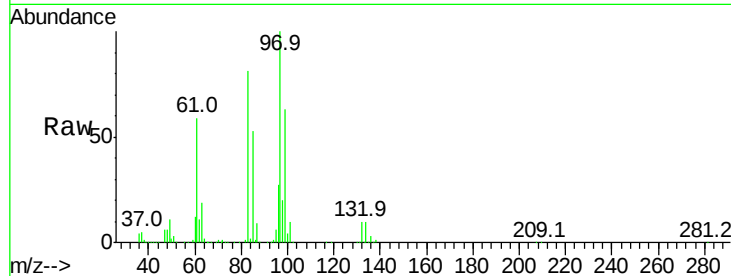
Ion Ratio Lower Upper

97 100

83 81.2 60.0 111.4

85 53.4 38.7 71.9

99 62.8 44.3 82.3

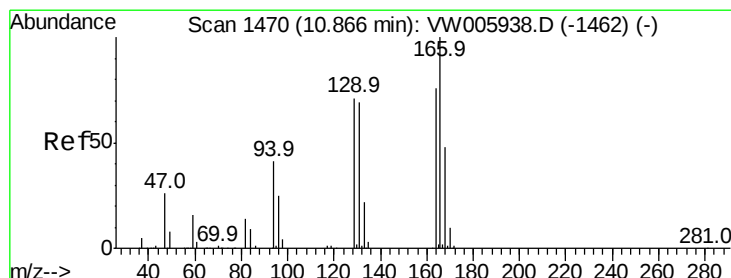
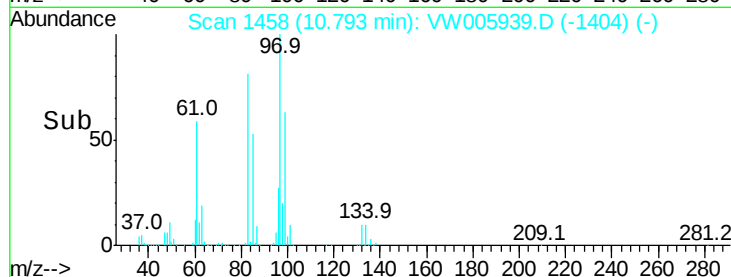
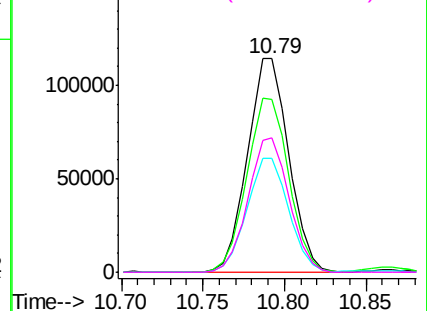


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 51.460 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Tgt Ion: 164 Resp: 244989

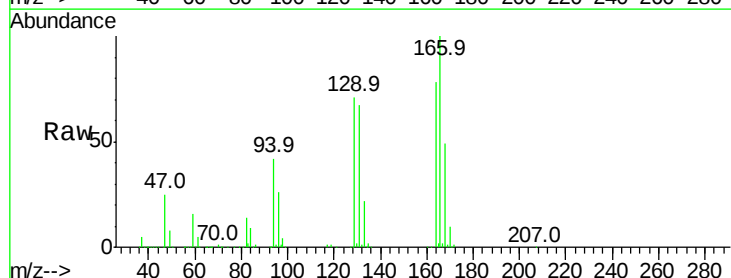
Ion Ratio Lower Upper

164 100

129 90.4 65.4 121.4

131 85.5 63.8 118.4

166 127.5 92.3 171.3

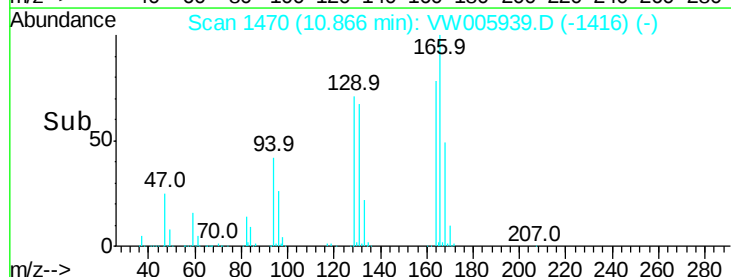
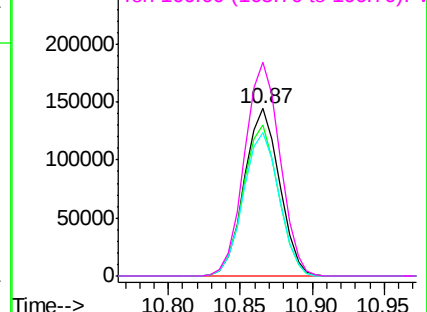


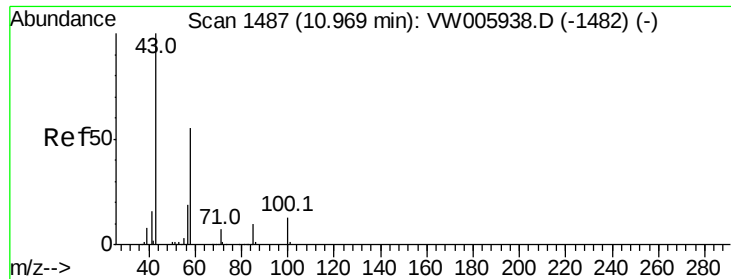
Abundance Ion 164.00 (163.70 to 164.70): V

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

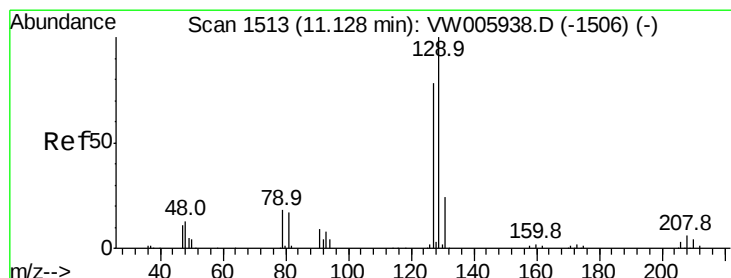
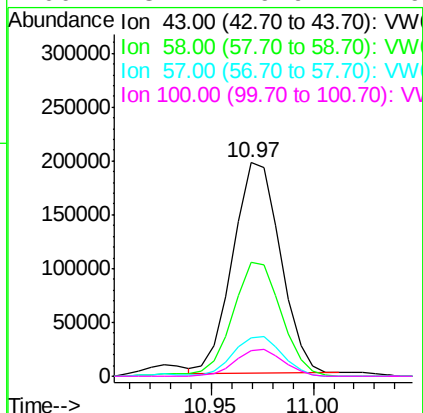
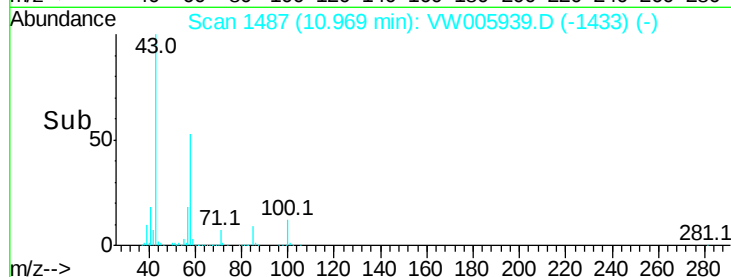
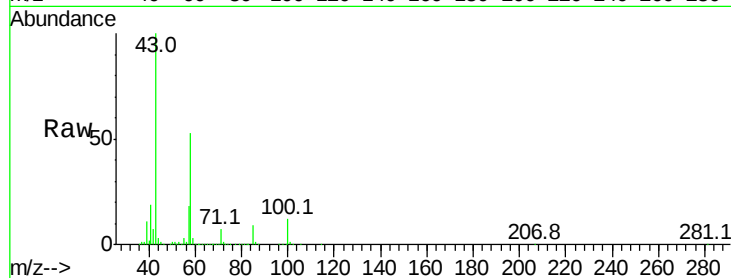




#49
2-Hexanone
Concen: 112.342 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

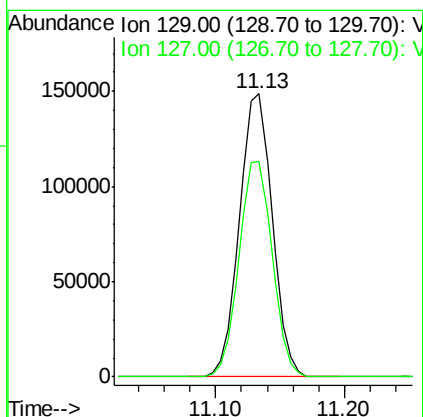
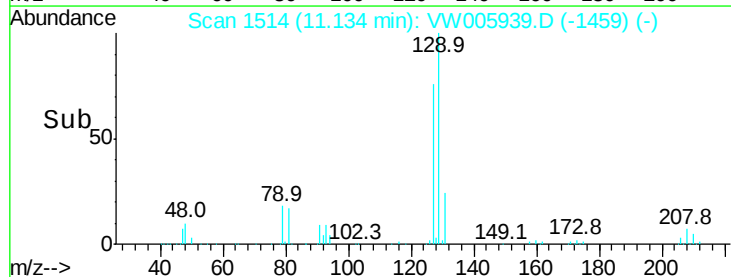
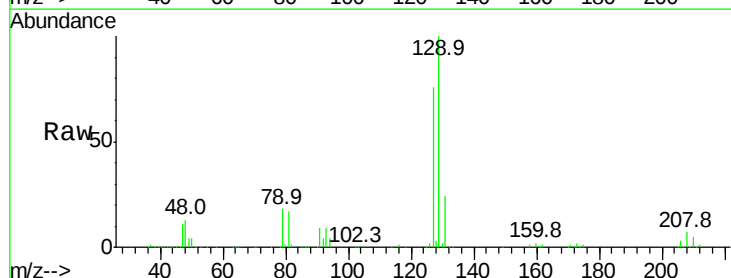
Instrument :
MSVOA_W
ClientSampleId :
VSTD05097

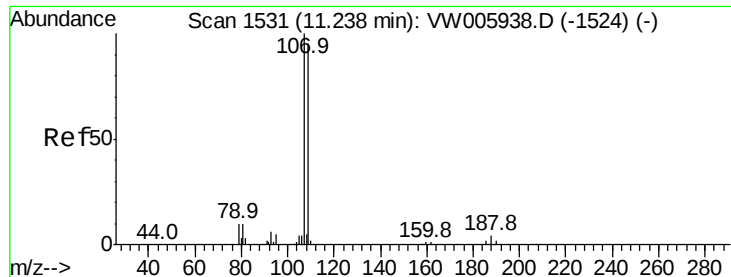
Tgt Ion: 43 Resp: 316780
Ion Ratio Lower Upper
43 100
58 55.1 42.1 63.1
57 19.9 15.1 22.7
100 13.1 9.9 14.9



#50
Dibromochloromethane
Concen: 50.919 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

Tgt Ion: 129 Resp: 262313
Ion Ratio Lower Upper
129 100
127 76.4 54.4 101.0

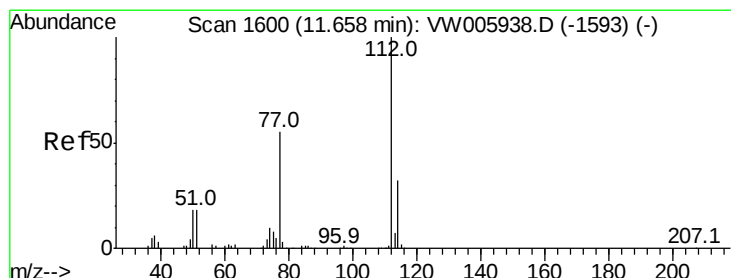
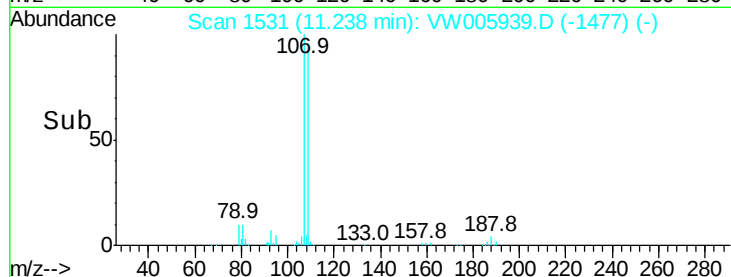
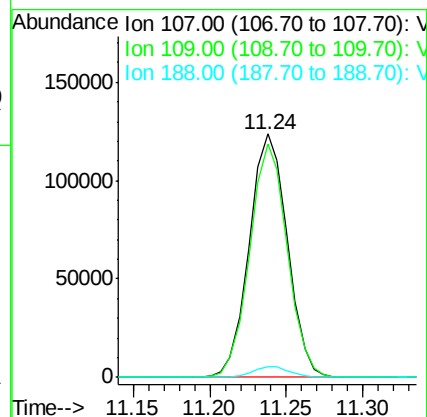
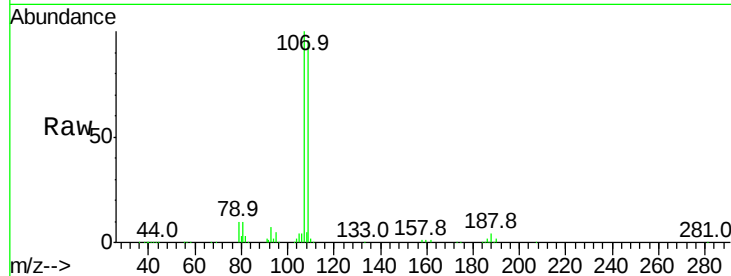




#51
1,2-Dibromoethane
Concen: 53.946 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

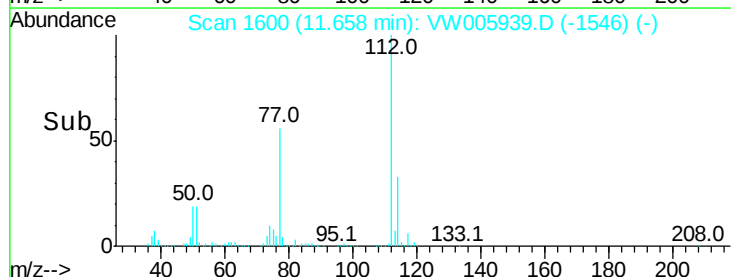
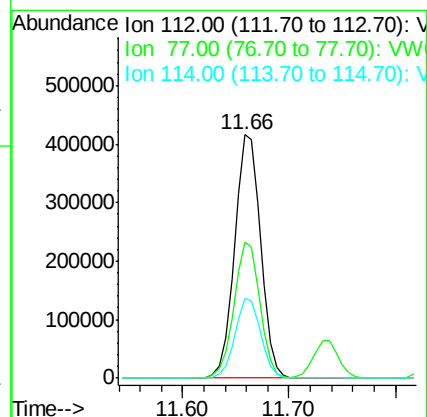
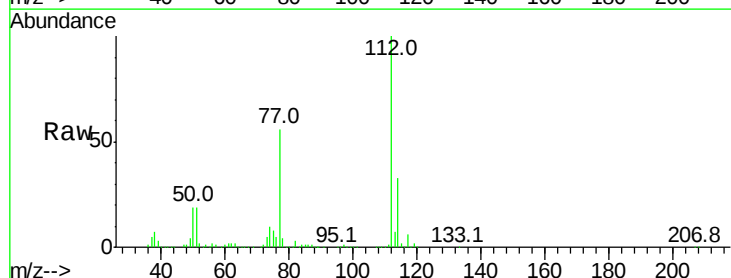
Instrument :
MSVOA_W
ClientSampleId :
VSTD05097

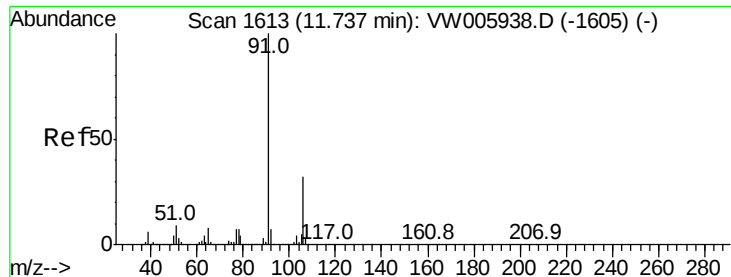
Tgt Ion:107 Resp: 214231
Ion Ratio Lower Upper
107 100
109 95.9 66.6 123.8
188 4.2 3.4 5.0



#52
Chlorobenzene
Concen: 47.943 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW005939.D
Acq: 09 Oct 2018 12:53

Tgt Ion:112 Resp: 711929
Ion Ratio Lower Upper
112 100
77 55.8 44.2 66.2
114 32.7 22.1 41.1





#53

Ethylbenzene

Concen: 47.524 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

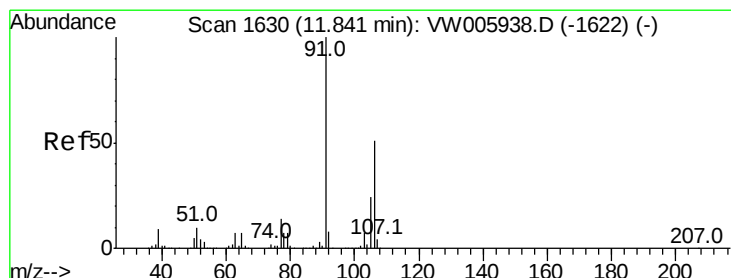
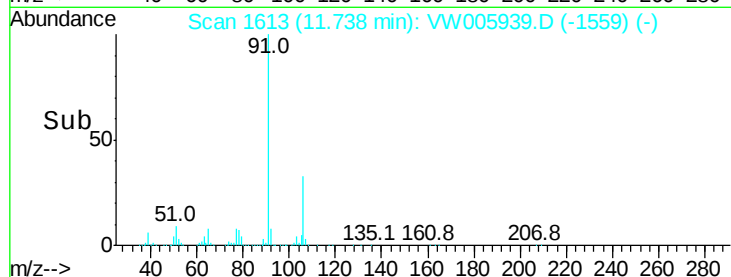
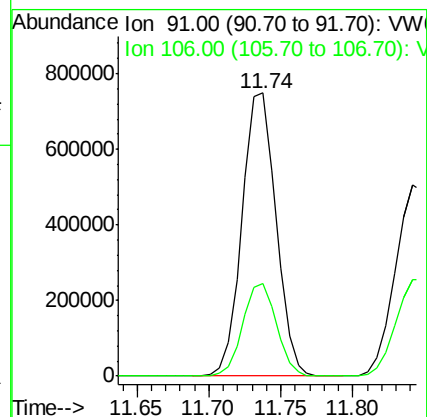
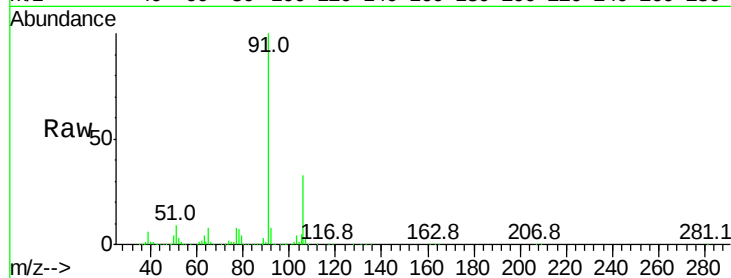
VSTD05097

Tgt Ion: 91 Resp: 1228251

Ion Ratio Lower Upper

91 100

106 32.7 22.6 42.0



#54

m,p-Xylene

Concen: 49.659 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW005939.D

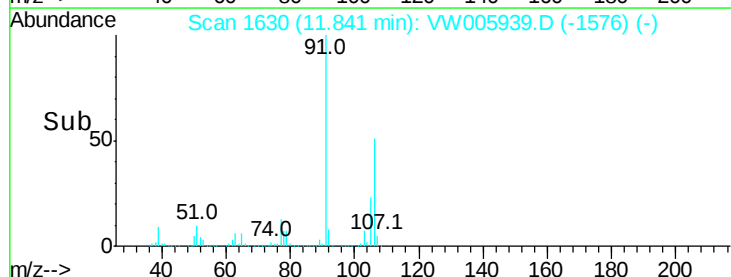
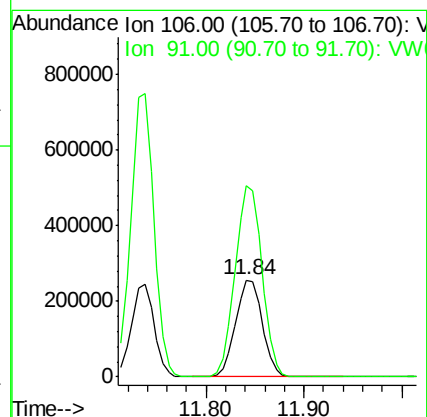
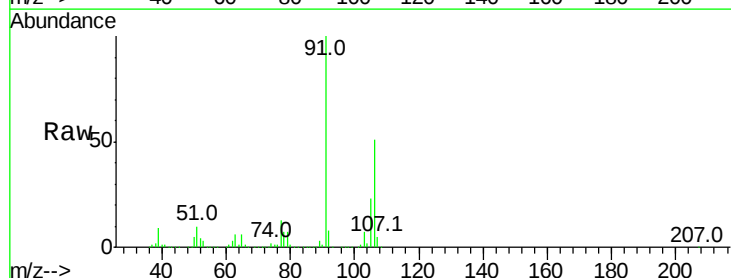
Acq: 09 Oct 2018 12:53

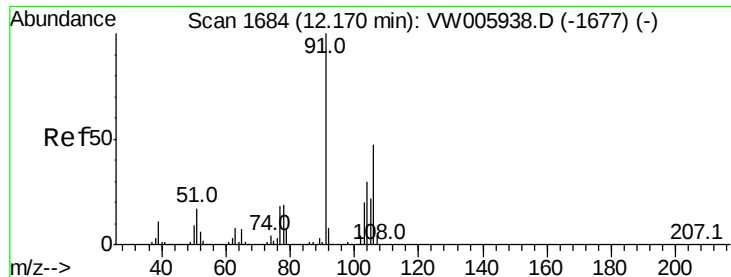
Tgt Ion: 106 Resp: 483517

Ion Ratio Lower Upper

106 100

91 197.2 138.4 257.0





#55

o-xylene

Concen: 50.669 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

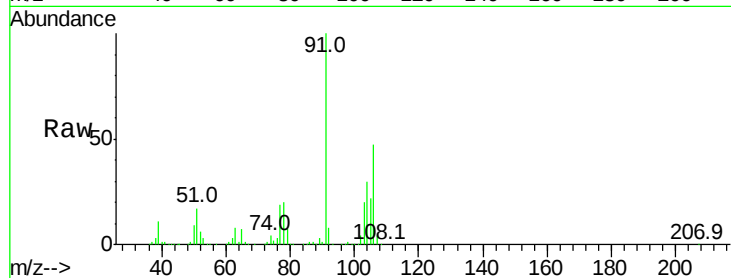
VSTD05097

Tgt Ion:106 Resp: 465013

Ion Ratio Lower Upper

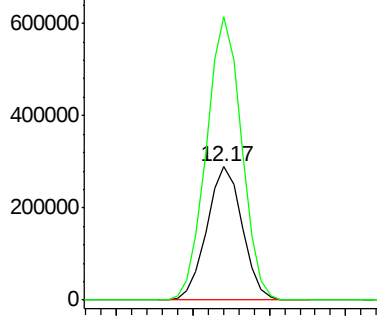
106 100

91 212.0 148.7 276.1

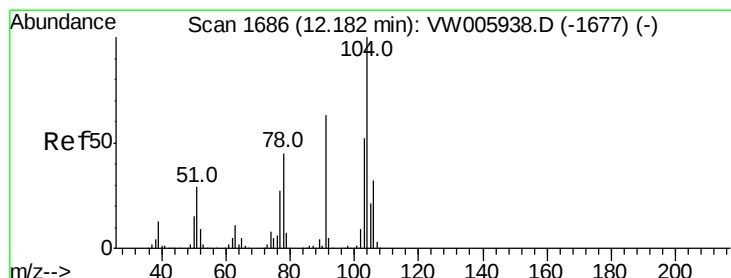
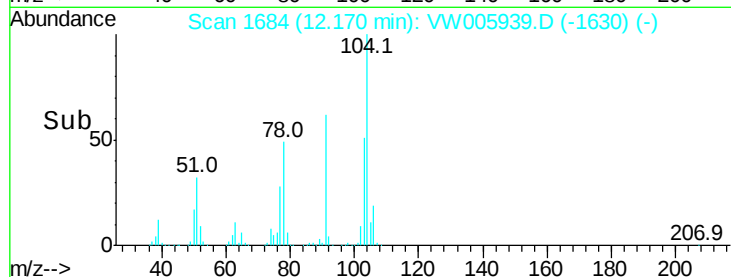


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time--> 12.10 12.15 12.20 12.25



#56

Styrene

Concen: 50.499 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VW005939.D

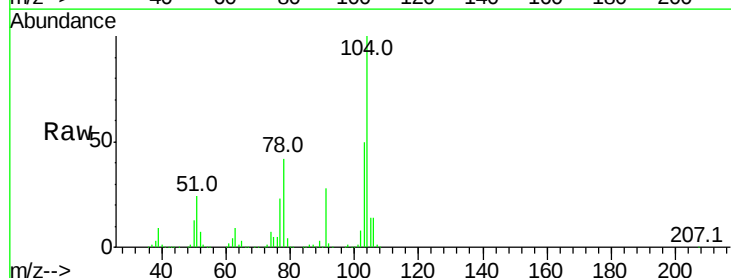
Acq: 09 Oct 2018 12:53

Tgt Ion:104 Resp: 813311

Ion Ratio Lower Upper

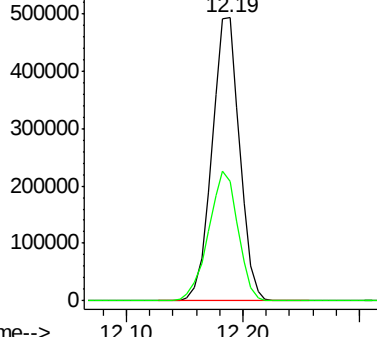
104 100

78 42.2 31.2 58.0

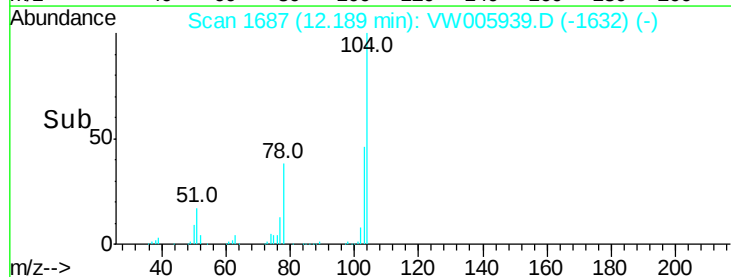


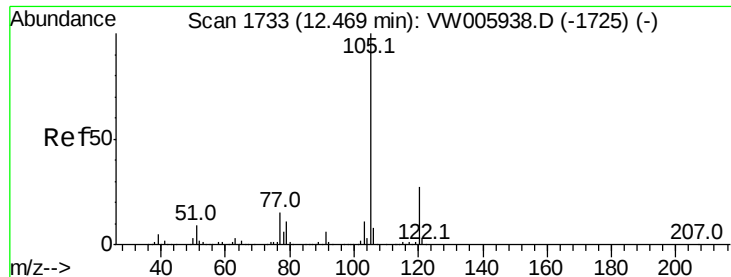
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time--> 12.10 12.20





#57

Isopropylbenzene

Concen: 49.729 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTD05097

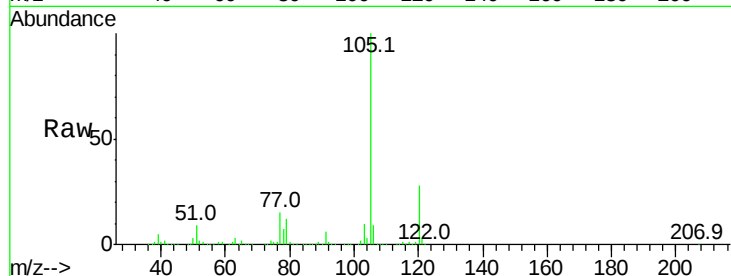
Tgt Ion:105 Resp: 1303558

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

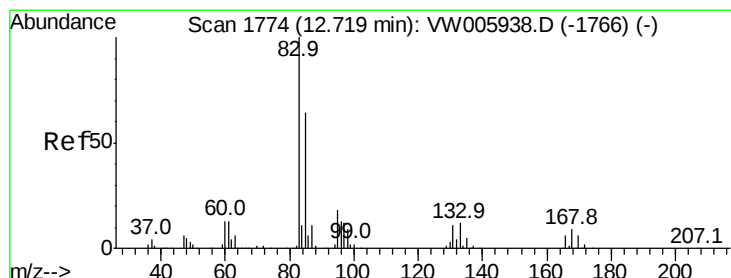
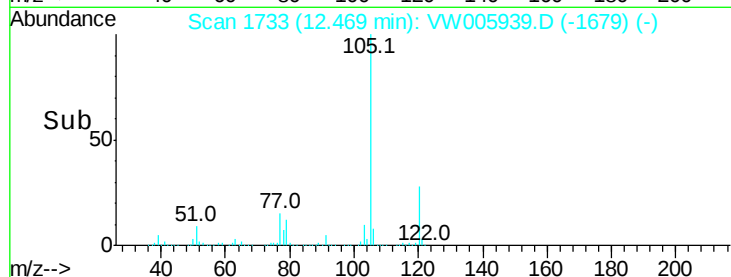
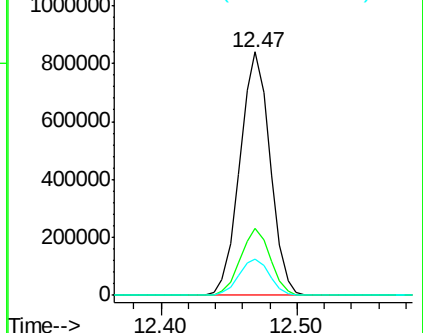
77 15.2 12.2 18.2



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: 53.204 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

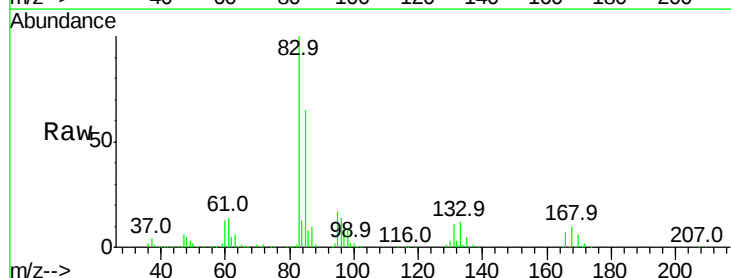
Tgt Ion: 83 Resp: 278788

Ion Ratio Lower Upper

83 100

85 64.9 44.8 83.2

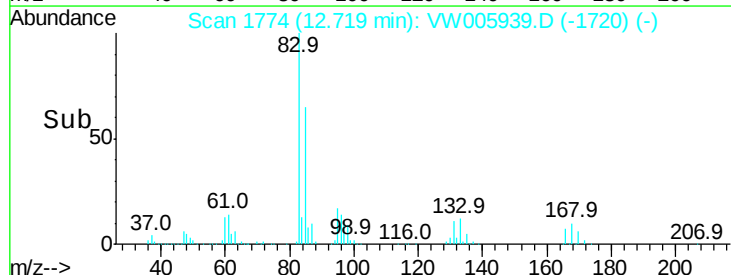
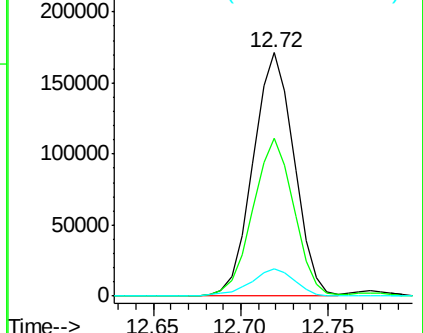
131 11.5 9.0 13.4

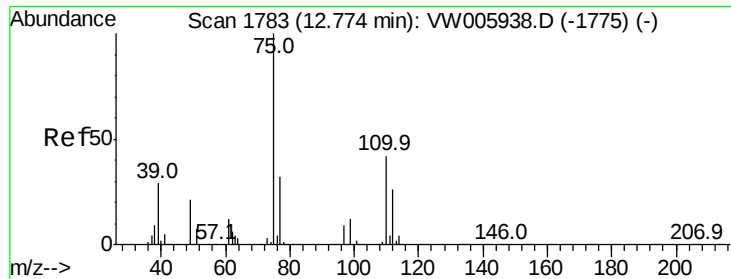


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.192 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

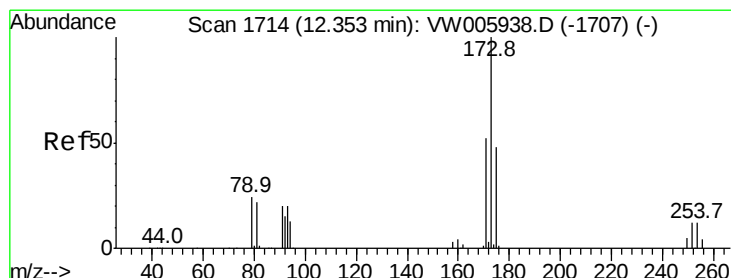
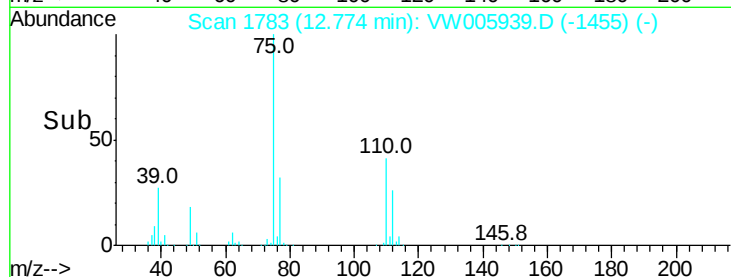
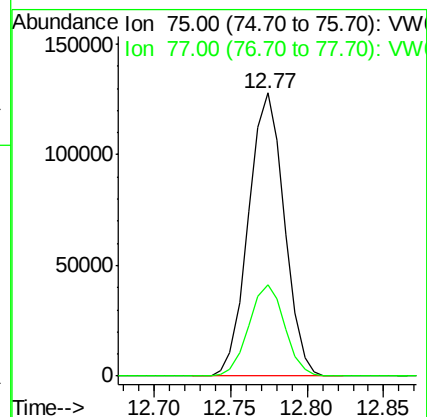
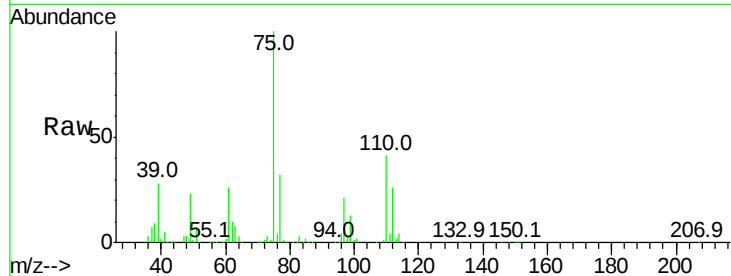
VSTD05097

Tgt Ion: 75 Resp: 209239

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 53.866 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

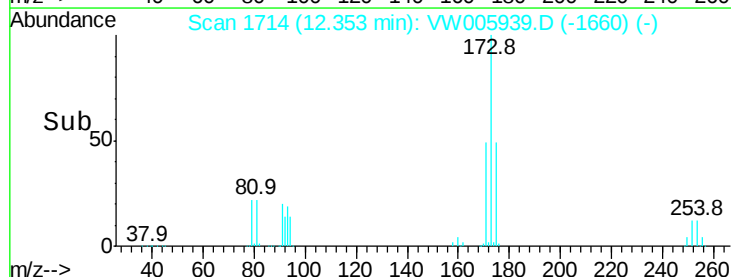
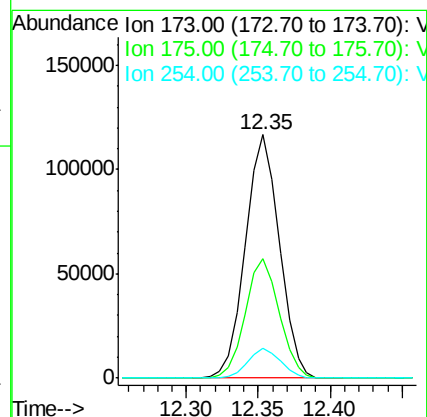
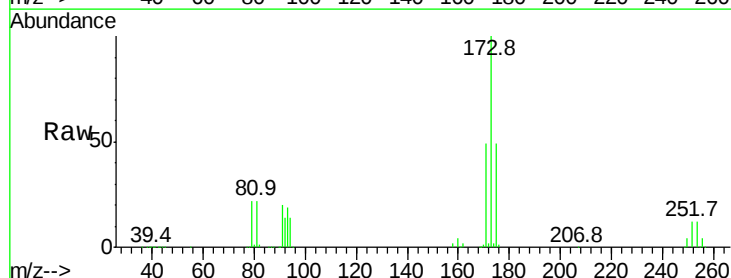
Tgt Ion: 173 Resp: 190627

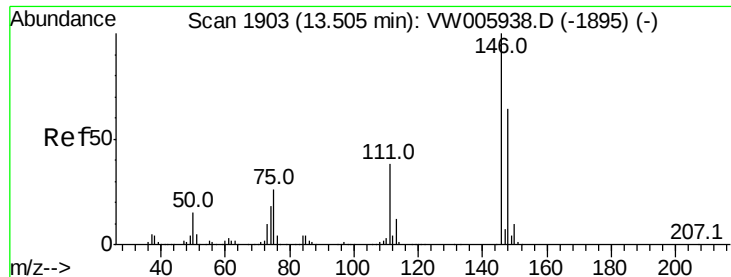
Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

254 12.0 9.2 13.8

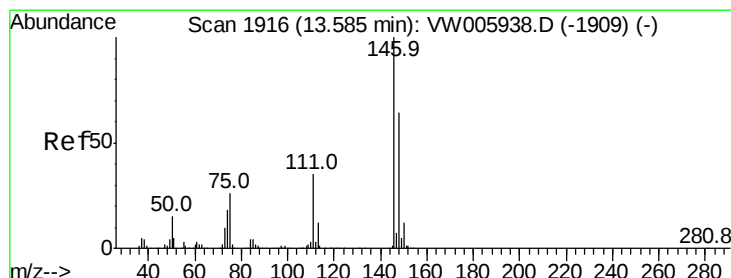
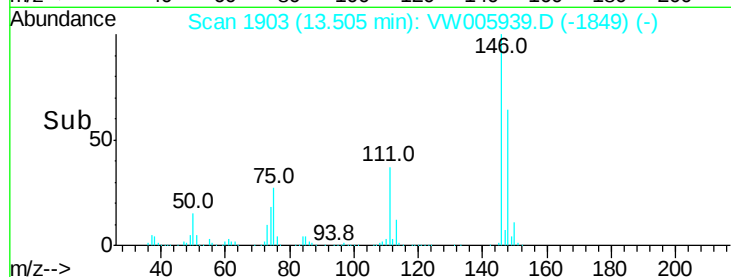
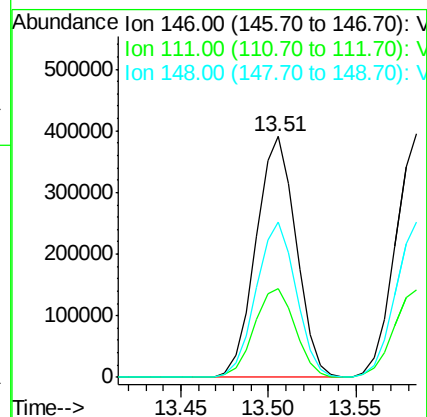
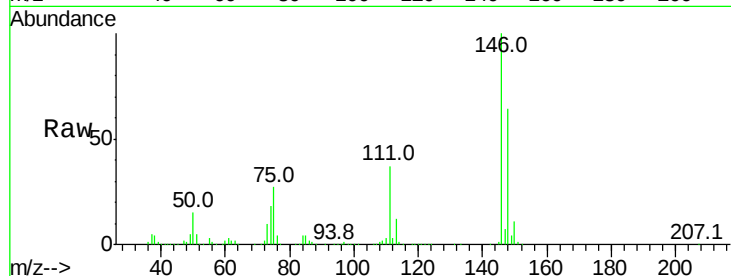




#63
 1,3-Dichlorobenzene
 Concen: 49.337 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

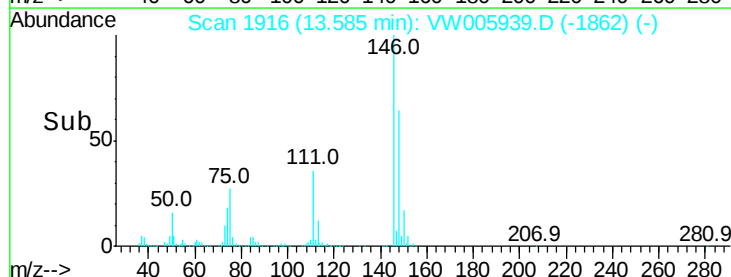
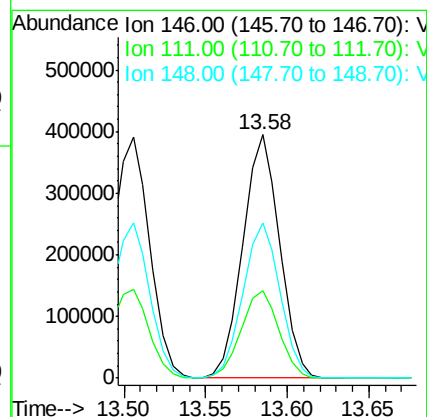
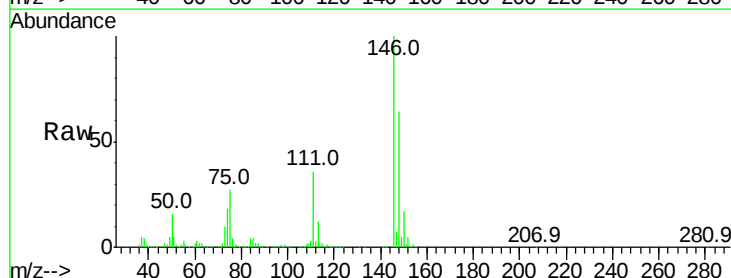
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05097

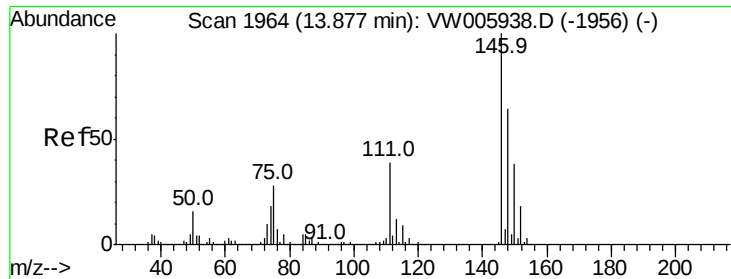
Tgt Ion:146 Resp: 623676
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.3 48.9
 148 64.4 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 47.072 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

Tgt Ion:146 Resp: 621415
 Ion Ratio Lower Upper
 146 100
 111 35.9 24.7 45.9
 148 63.8 44.9 83.5

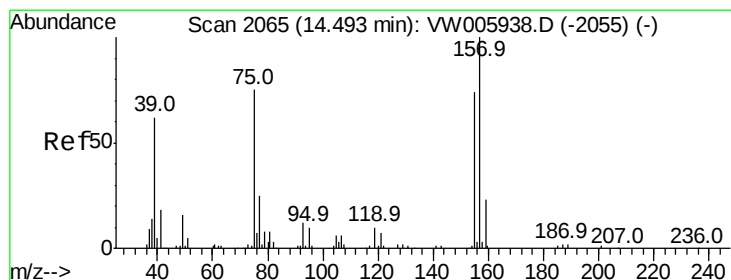
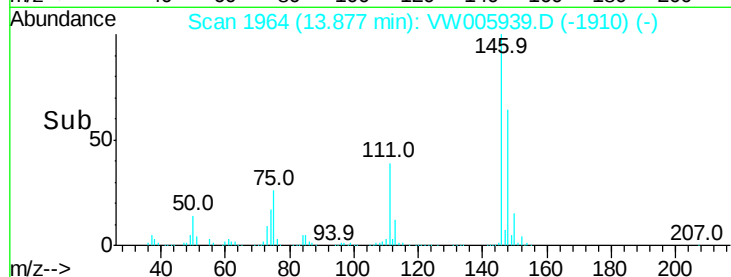
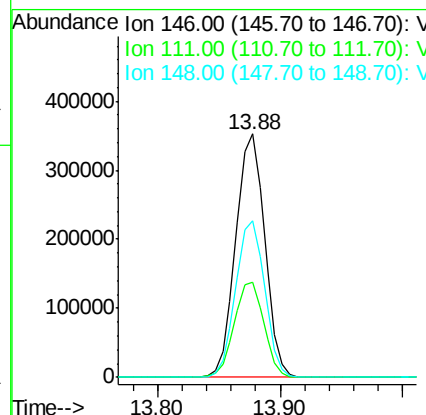
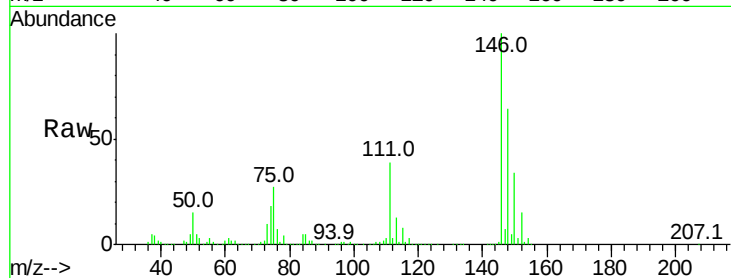




#65
 1,2-Dichlorobenzene
 Concen: 47.427 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

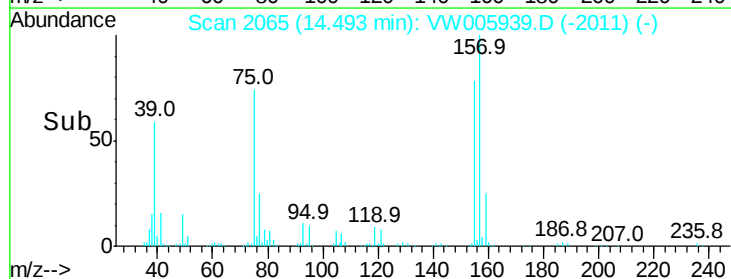
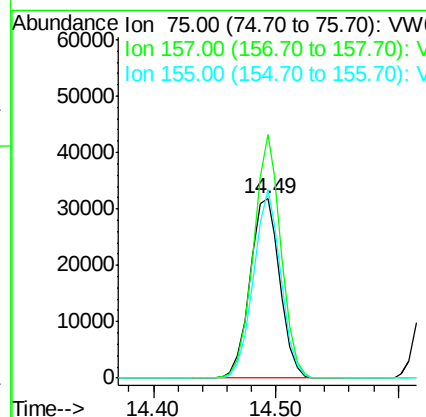
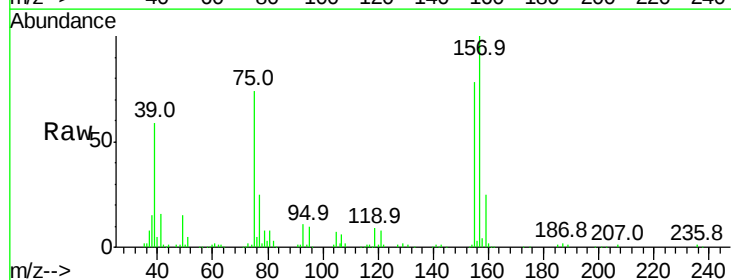
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05097

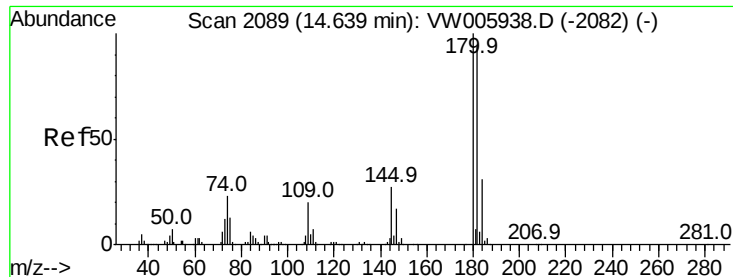
Tgt Ion:146 Resp: 576887
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.1 46.7
 148 64.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.569 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

Tgt Ion: 75 Resp: 53859
 Ion Ratio Lower Upper
 75 100
 157 135.8 106.8 160.2
 155 105.3 79.2 118.8

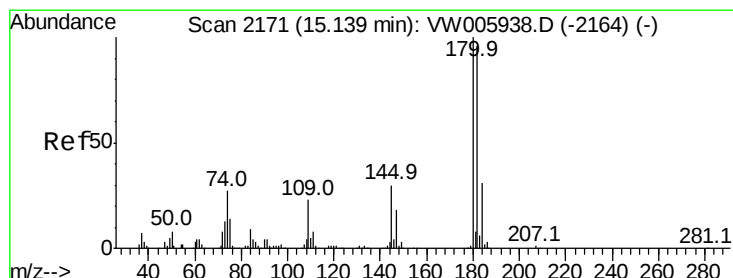
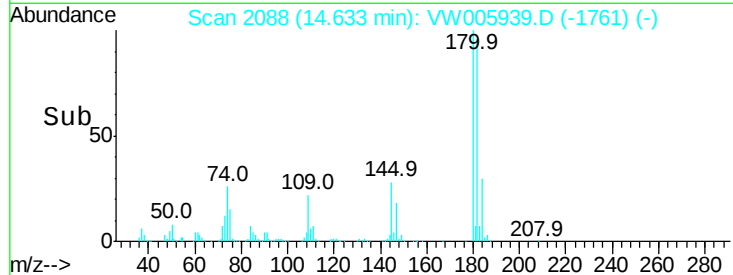
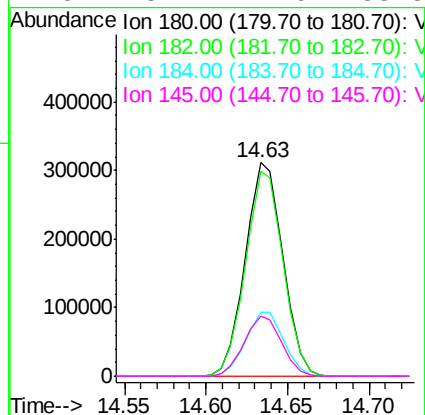
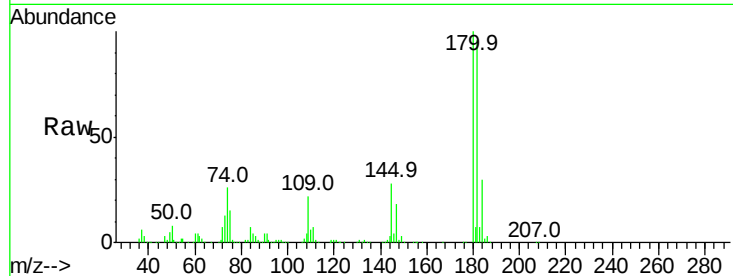




#67
 1,3,5-Trichlorobenzene
 Concen: 48.197 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

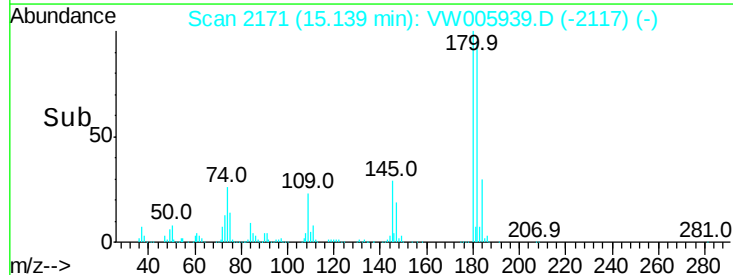
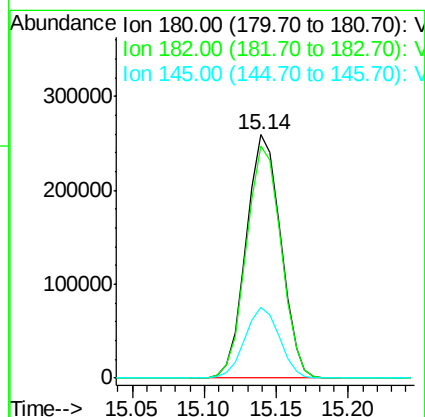
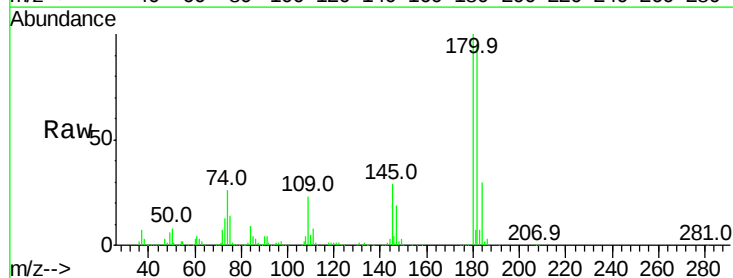
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05097

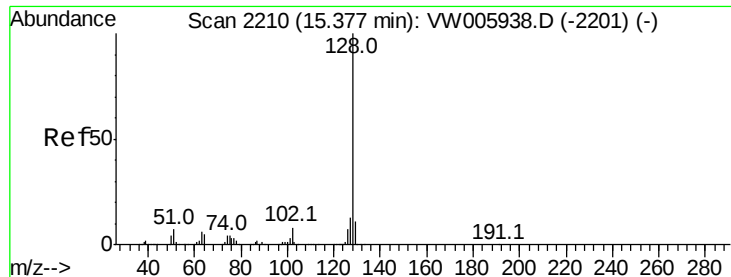
Tgt Ion:	180	Resp:	500044
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.0	114.0
184	30.6	24.3	36.5
145	28.1	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 50.752 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005939.D
 Acq: 09 Oct 2018 12:53

Tgt Ion:	180	Resp:	432543
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.2	114.2
145	28.9	23.0	34.6





#69

Naphthalene

Concen: 54.897 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05097

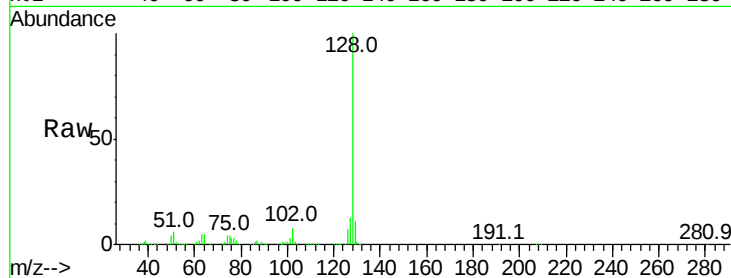
Tgt Ion:128 Resp: 937490

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

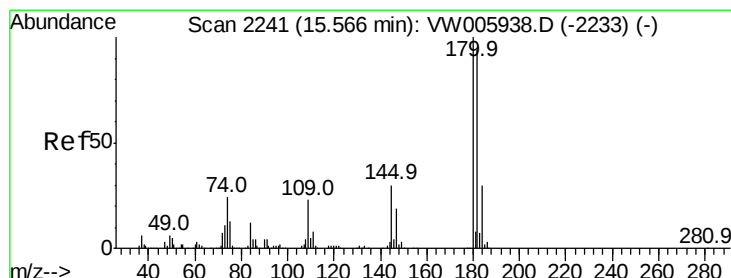
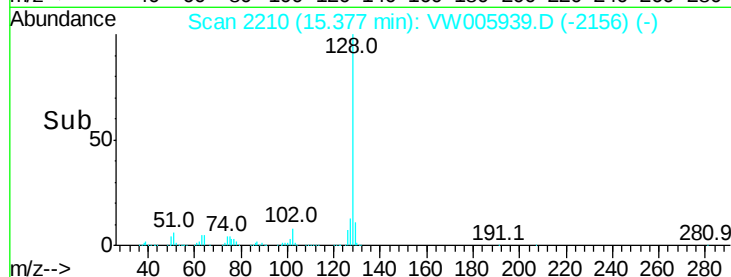
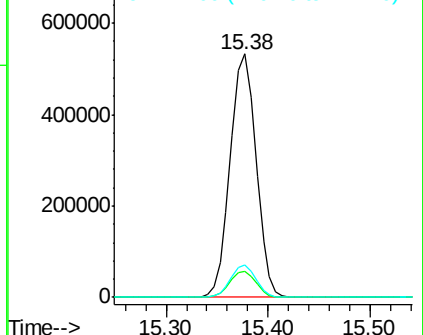
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.427 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005939.D

Acq: 09 Oct 2018 12:53

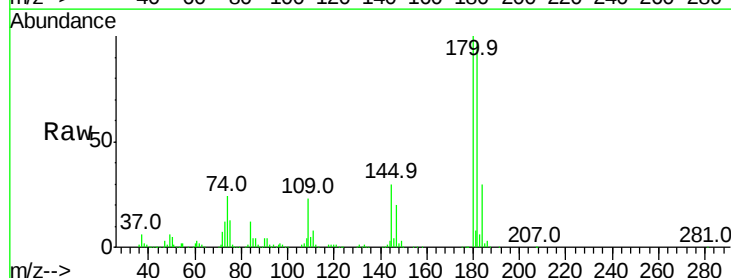
Tgt Ion:180 Resp: 394802

Ion Ratio Lower Upper

180 100

182 95.6 75.5 113.3

145 30.4 24.5 36.7



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

