

Data File : VW005356.D
Acq On : 13 Sep 2018 17:04
Operator : SY/AP
Sample : VSTD10085
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Quant Time: Sep 13 18:01:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 13 17:26:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	281527	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	275580	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	150629	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	315200	97.78	ug/L	0.00
7) Chloroethane-d5	2.87	69	214634	95.57	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	574882	100.70	ug/L	0.00
20) 2-Butanone-d5	7.09	46	262329	224.62	ug/L	0.00
24) Chloroform-d	7.65	84	547073	103.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	344038	103.44	ug/L	0.00
29) Benzene-d6	8.28	84	1220284	112.27	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	355188	113.90	ug/L	0.00
37) Toluene-d8	10.33	98	1270034	114.60	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	183659	118.63	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	242180	259.11	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	369767	114.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	490920	110.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	601143	102.585	ug/L	100
3) Chloromethane	2.22	50	545880	100.778	ug/L	99
5) Vinyl chloride	2.36	62	516362	100.144	ug/L	100
6) Bromomethane	2.75	94	264263	98.781	ug/L	100
8) Chloroethane	2.91	64	264371	96.431	ug/L	95
9) Trichlorofluoromethane	3.26	101	625115	92.936	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	342179	92.743	ug/L	99
12) 1,1-Dichloroethene	4.04	96	301181	97.564	ug/L	94
13) Acetone	4.13	43	194019	171.789	ug/L	99
14) Carbon disulfide	4.38	76	1283225	105.176	ug/L	99
15) Methyl Acetate	4.68	43	243054	96.917	ug/L	99
16) Methylene chloride	4.92	84	391731	72.540	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	887932	103.193	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	332444	94.887	ug/L	97
19) 1,1-Dichloroethane	6.23	63	593632	93.290	ug/L	99
21) 2-Butanone	7.18	43	314686	184.068	ug/L	97
22) cis-1,2-Dichloroethene	7.18	96	359436	96.604	ug/L	95
23) Bromochloromethane	7.52	128	171126	97.756	ug/L	97
25) Chloroform	7.68	83	621883	92.887	ug/L	100
27) 1,2-Dichloroethane	8.41	62	479335	91.934	ug/L	98
30) Cyclohexane	7.96	56	703962	112.142	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	611499	96.882	ug/L	99
32) Carbon tetrachloride	8.07	117	574863	97.963	ug/L	99
34) Benzene	8.33	78	1579157	101.397	ug/L	100
35) Trichloroethene	9.10	95	422911	102.343	ug/L	99
36) Methylcyclohexane	9.34	83	778115	109.899	ug/L	98
40) 1,2-Dichloropropane	9.38	63	382941	99.489	ug/L	99
41) Bromodichloromethane	9.65	83	470989	94.868	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	609078	106.847	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	766580	212.489	ug/L	100

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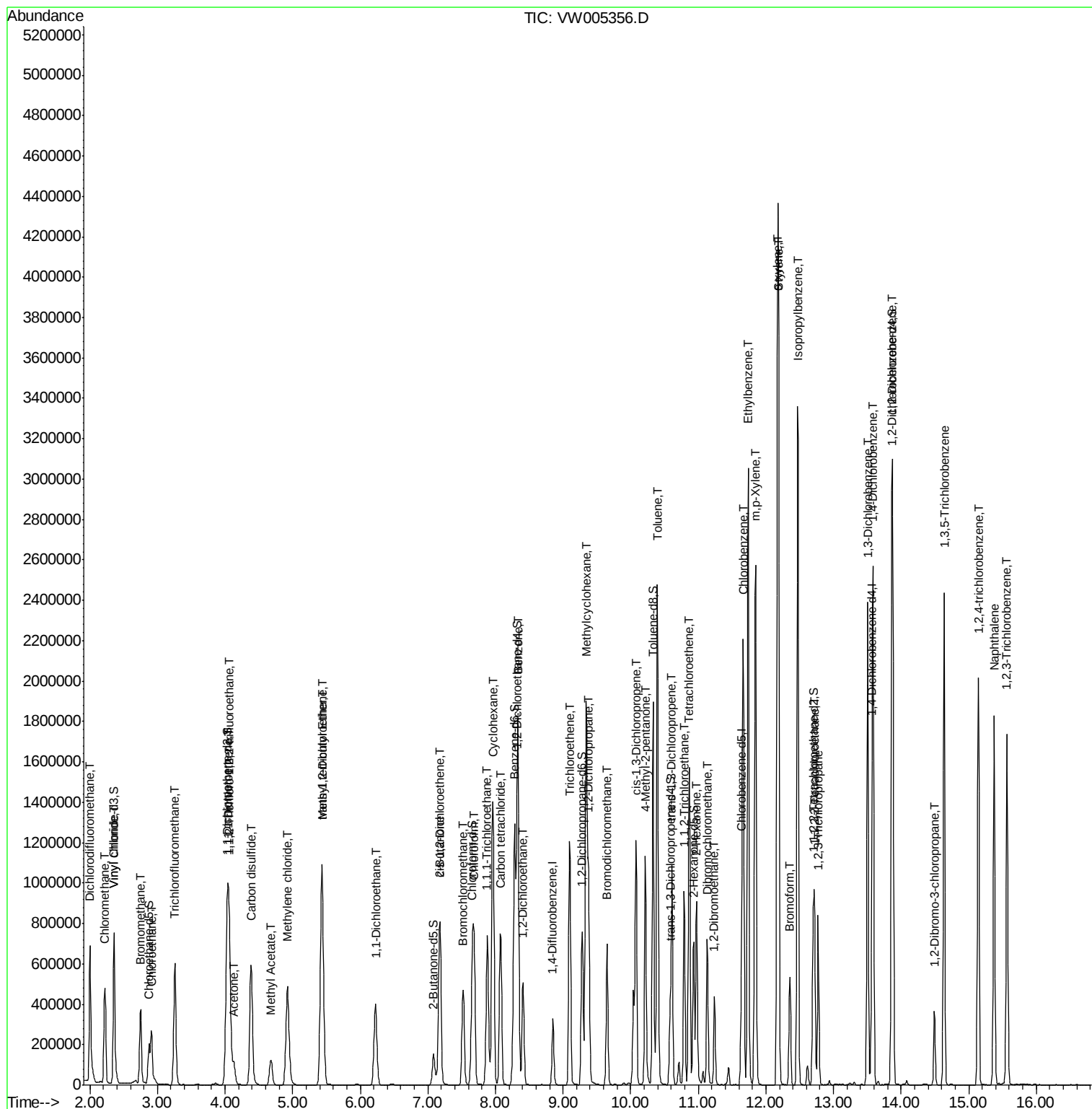
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	1833256	101.948	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	567700	106.716	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	296526	97.978	ug/L	98
47) Tetrachloroethene	10.87	164	373022	100.184	ug/L	99
49) 2-Hexanone	10.98	43	580278	216.364	ug/L	99
50) Dibromochloromethane	11.13	129	377951	103.435	ug/L	99
51) 1,2-Dibromoethane	11.24	107	294180	99.167	ug/L	99
52) Chlorobenzene	11.66	112	1151895	98.451	ug/L	96
53) Ethylbenzene	11.74	91	2153196	103.971	ug/L	99
54) m,p-Xylene	11.85	106	810171	103.596	ug/L	99
55) o-xylene	12.17	106	768440	104.947	ug/L	99
56) Styrene	12.19	104	1339403	106.181	ug/L	98
57) Isopropylbenzene	12.47	105	2167843	106.825	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	407823	98.849	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	341694	97.781	ug/L	100
62) Bromoform	12.35	173	253785	98.986	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	960859	99.107	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	965780	94.883	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	900703	95.750	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	95182	96.509	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	766979	98.897	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	654027	102.147	ug/L	99
69) Naphthalene	15.38	128	1521357	111.159	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	595897	99.489	ug/L	99

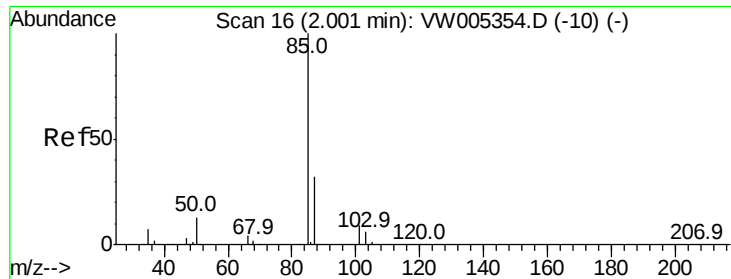
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 102.585 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

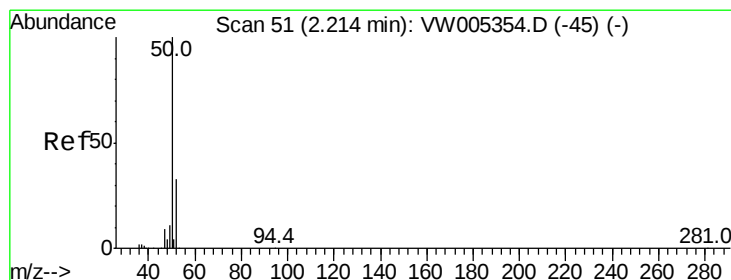
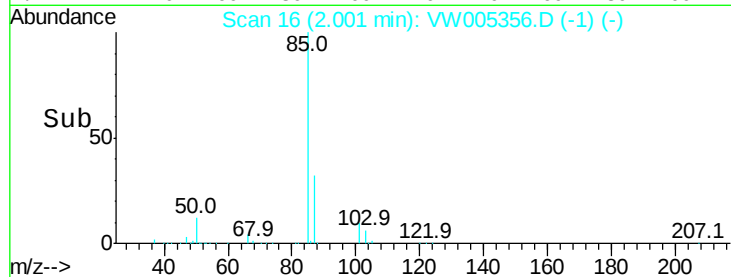
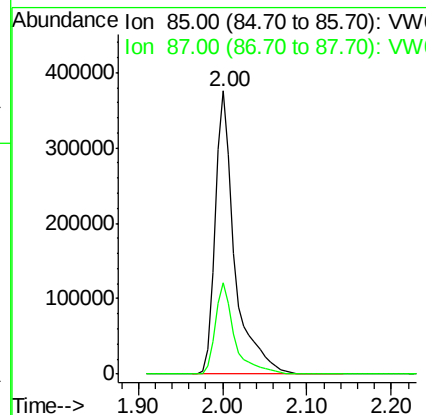
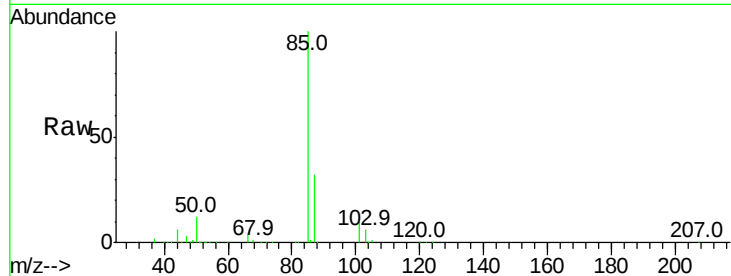
VSTD10085

Tgt Ion: 85 Resp: 601143

Ion Ratio Lower Upper

85 100

87 32.2 22.7 42.3



#3

Chloromethane

Concen: 100.778 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005356.D

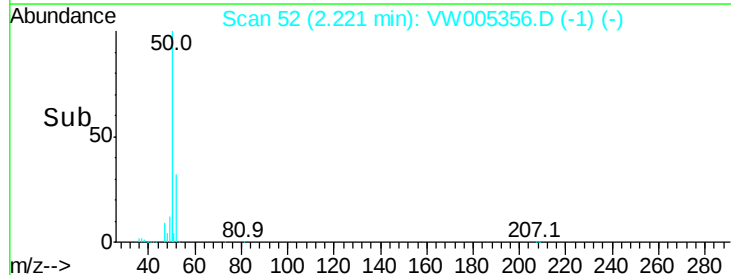
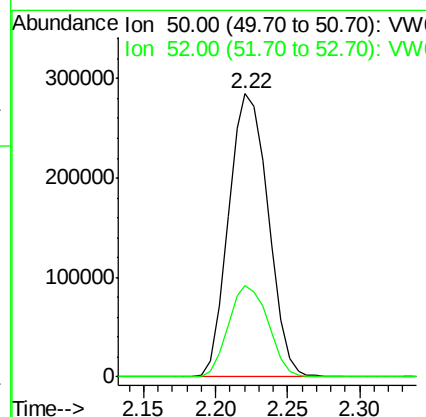
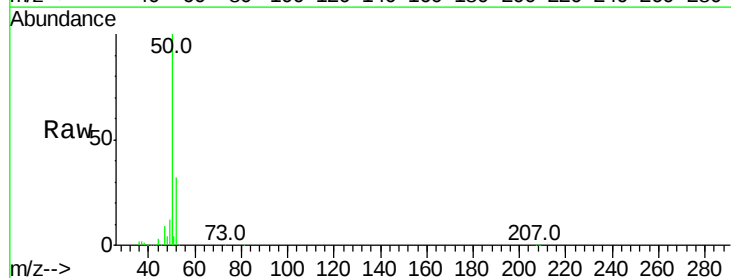
Acq: 13 Sep 2018 17:04

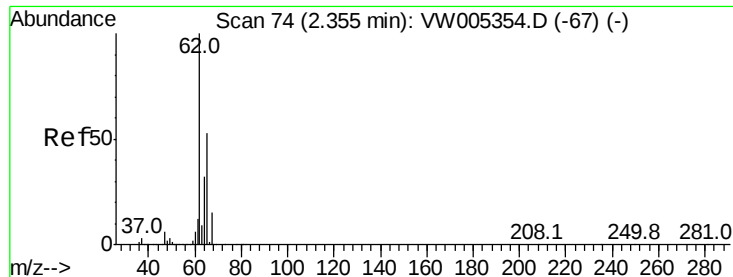
Tgt Ion: 50 Resp: 545880

Ion Ratio Lower Upper

50 100

52 32.1 22.9 42.5





#5

Vinyl chloride

Concen: 100.144 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

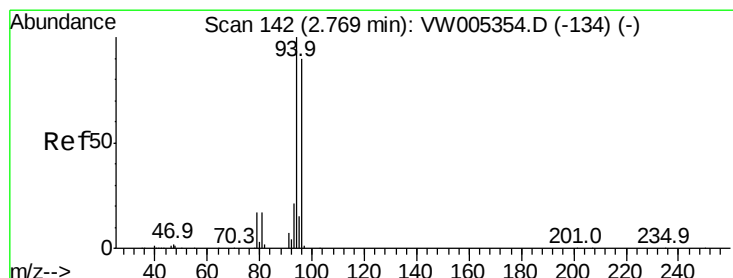
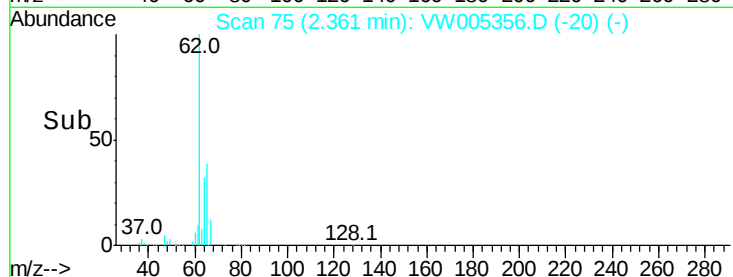
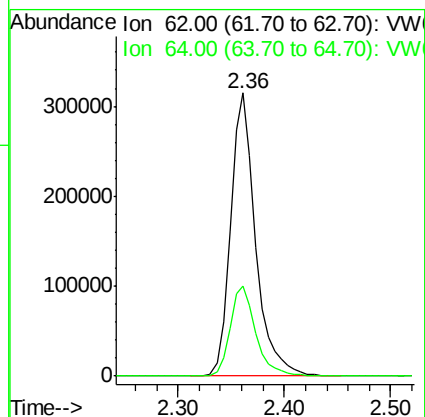
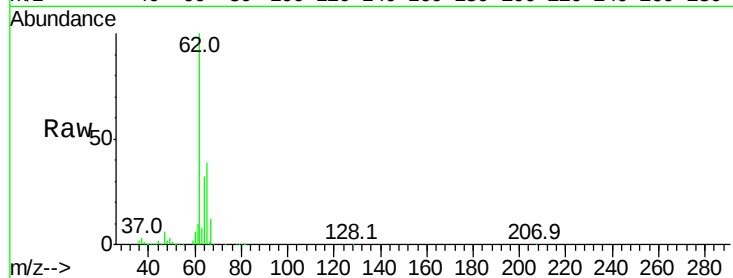
VSTD10085

Tgt Ion: 62 Resp: 516362

Ion Ratio Lower Upper

62 100

64 31.7 22.4 41.6



#6

Bromomethane

Concen: 98.781 ug/L

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW005356.D

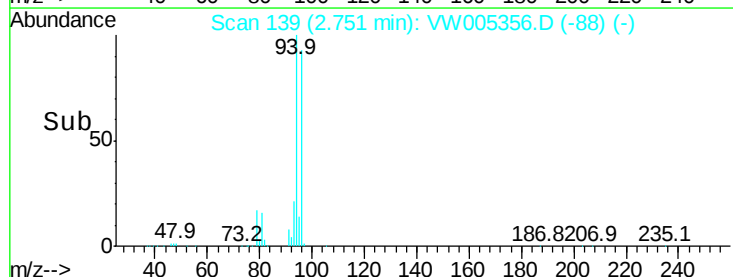
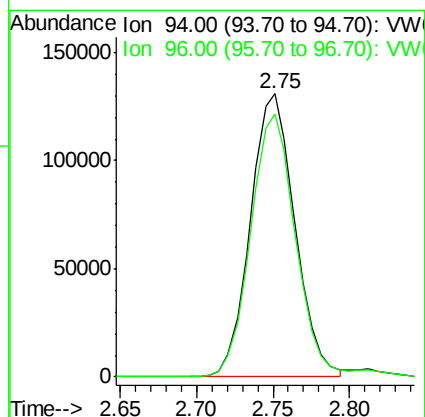
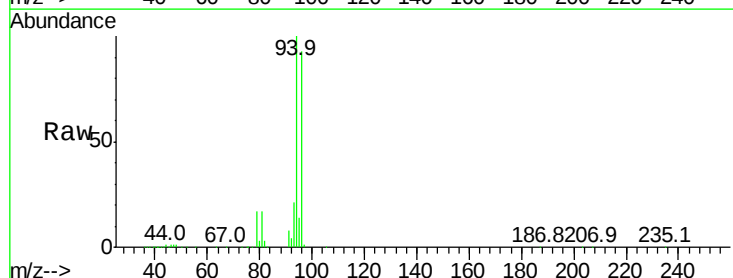
Acq: 13 Sep 2018 17:04

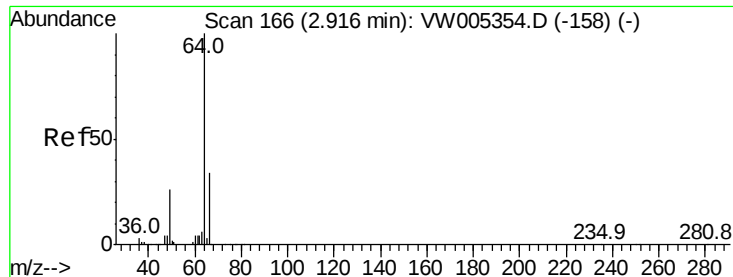
Tgt Ion: 94 Resp: 264263

Ion Ratio Lower Upper

94 100

96 93.2 9.3 176.3





#8

Chloroethane

Concen: 96.431 ug/L

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

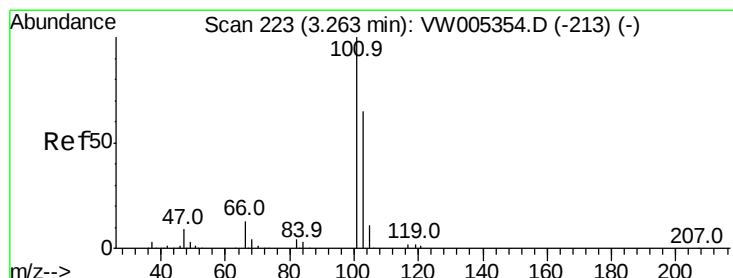
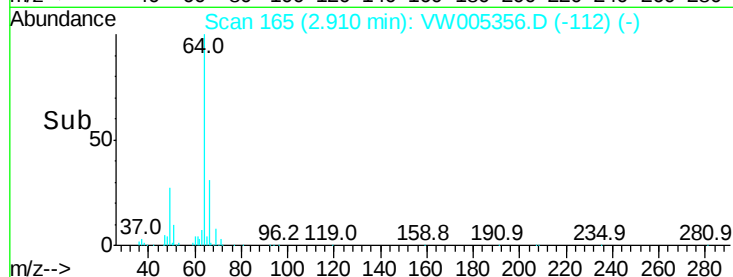
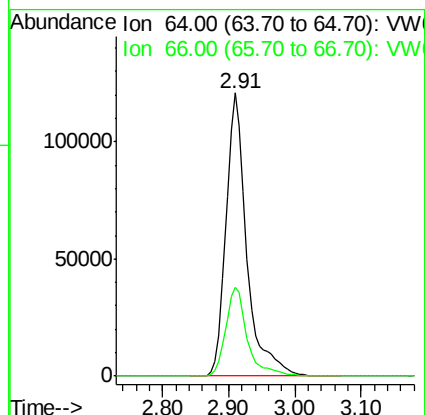
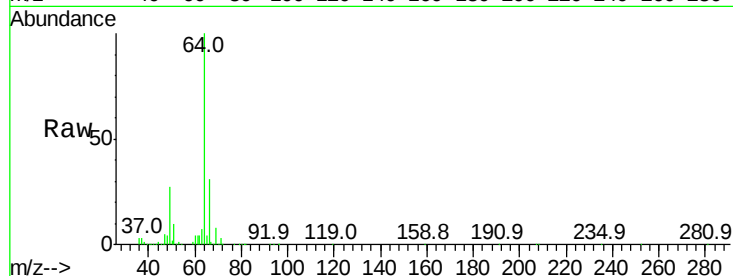
VSTD10085

Tgt Ion: 64 Resp: 264371

Ion Ratio Lower Upper

64 100

66 31.2 23.7 43.9



#9

Trichlorofluoromethane

Concen: 92.936 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW005356.D

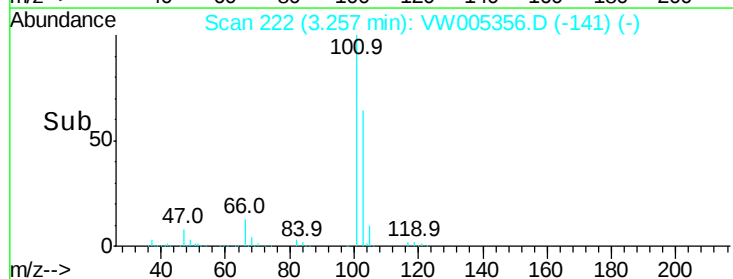
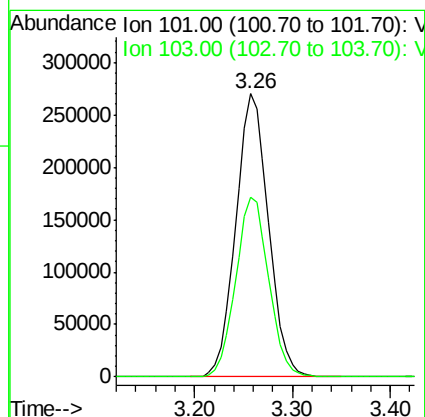
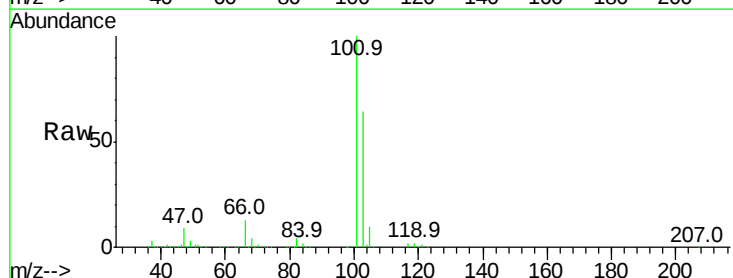
Acq: 13 Sep 2018 17:04

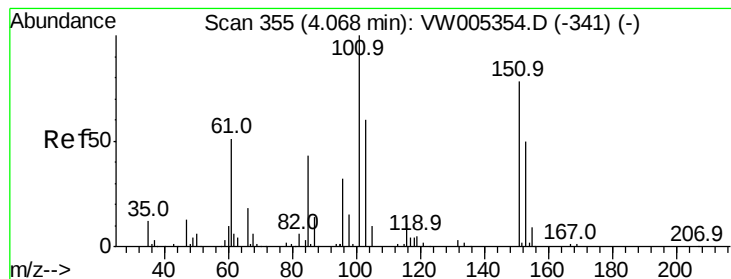
Tgt Ion: 101 Resp: 625115

Ion Ratio Lower Upper

101 100

103 64.1 44.9 83.5





#11

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

Concen: 92.743 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

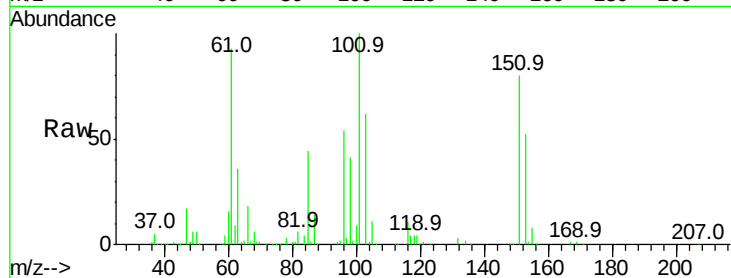
Tgt Ion:101 Resp: 342179

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.8

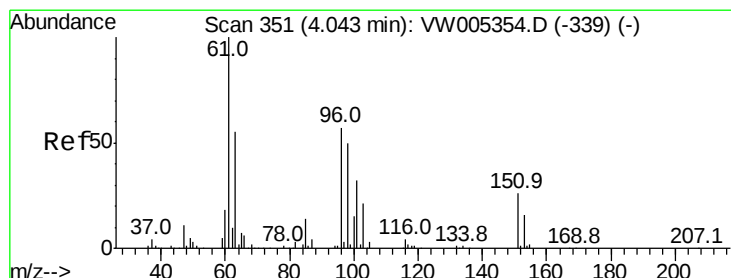
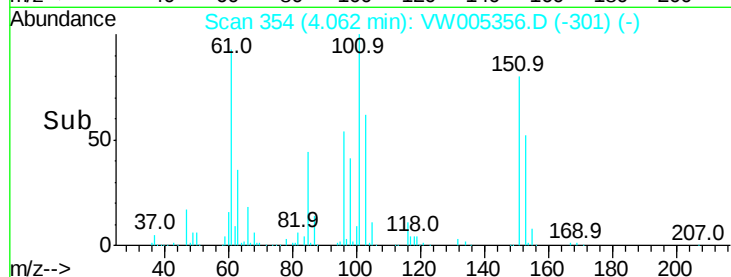
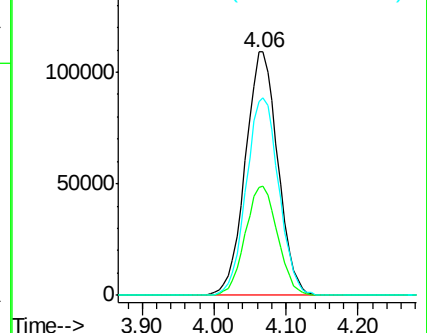
151 81.3 63.9 95.9



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: 97.564 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

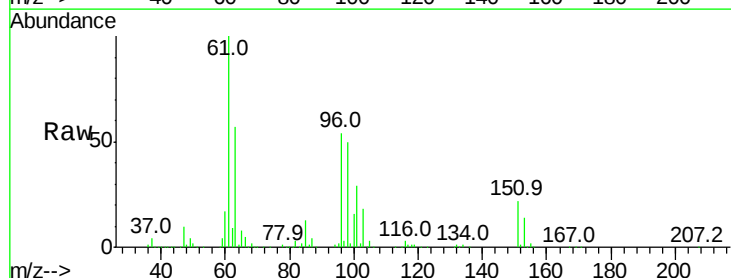
Tgt Ion: 96 Resp: 301181

Ion Ratio Lower Upper

96 100

61 184.0 123.3 229.1

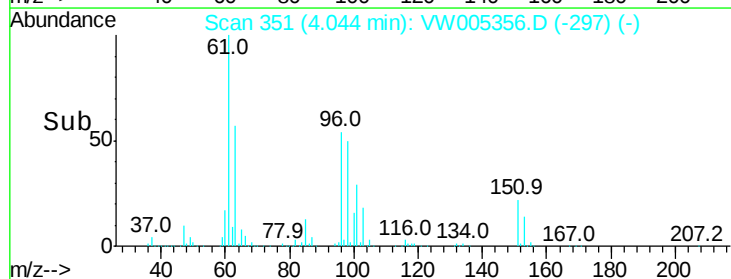
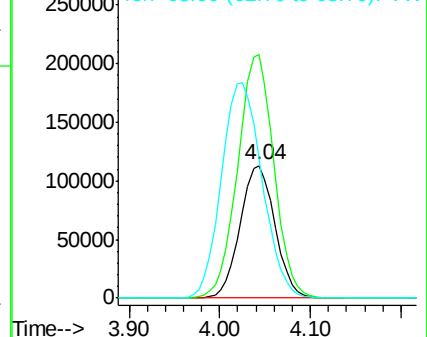
63 105.6 69.4 128.8

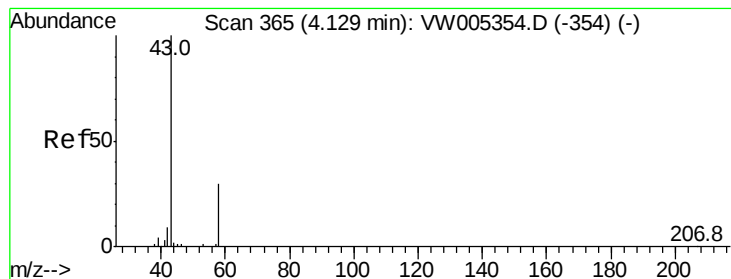


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 171.789 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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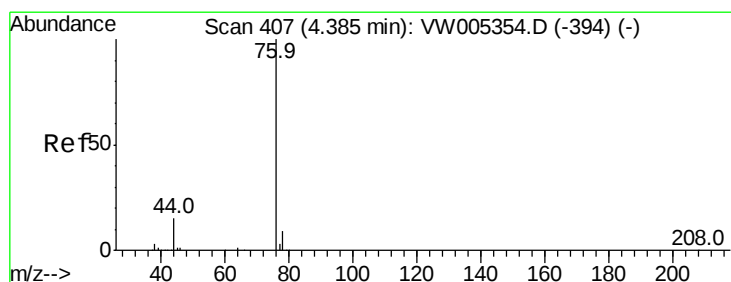
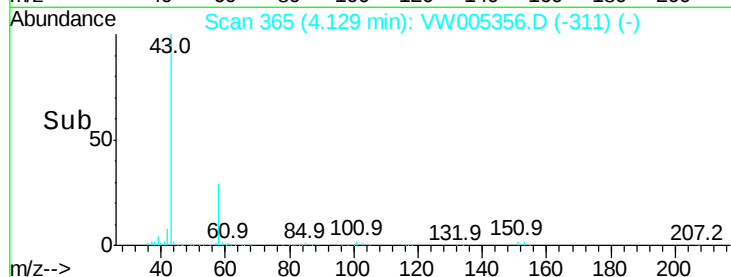
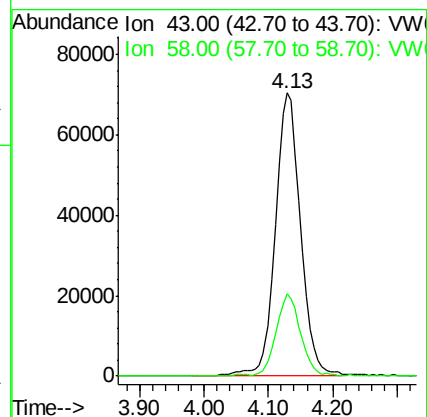
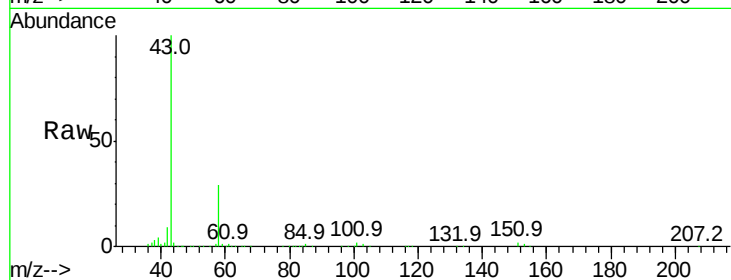
VSTD10085

Tgt Ion: 43 Resp: 194019

Ion Ratio Lower Upper

43 100

58 28.0 0.0 57.6



#14

Carbon disulfide

Concen: 105.176 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005356.D

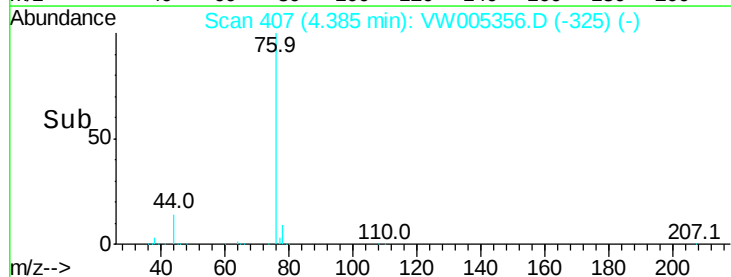
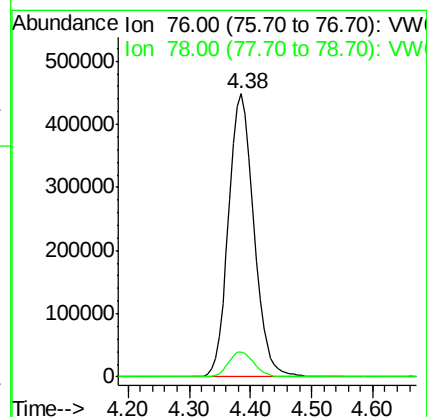
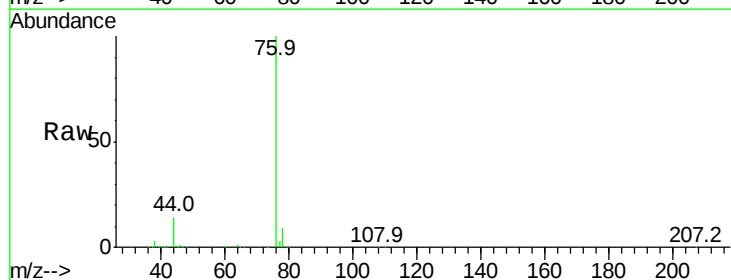
Acq: 13 Sep 2018 17:04

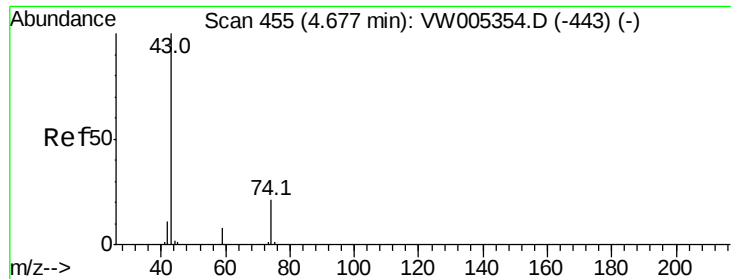
Tgt Ion: 76 Resp: 1283225

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

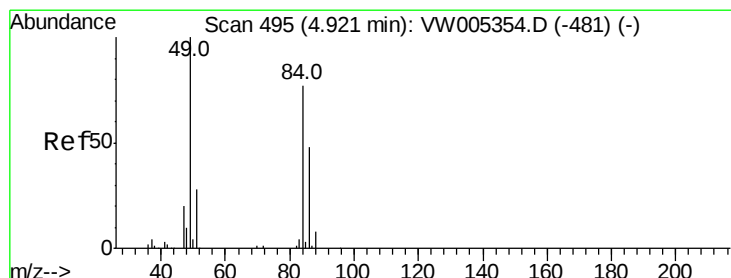
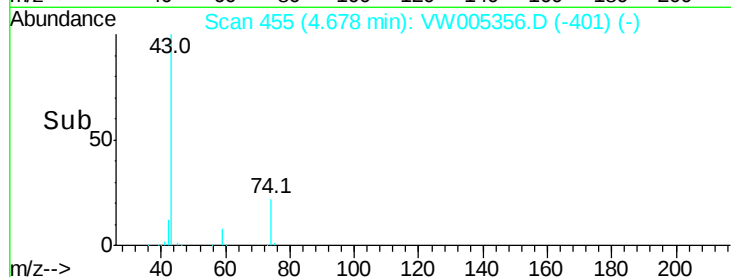
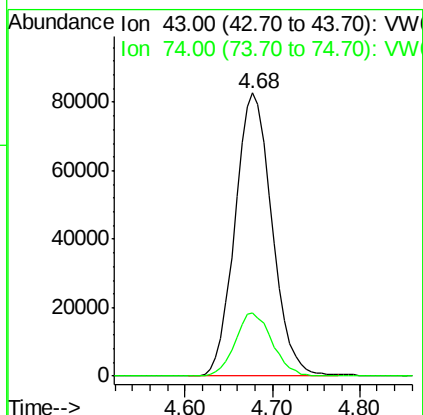
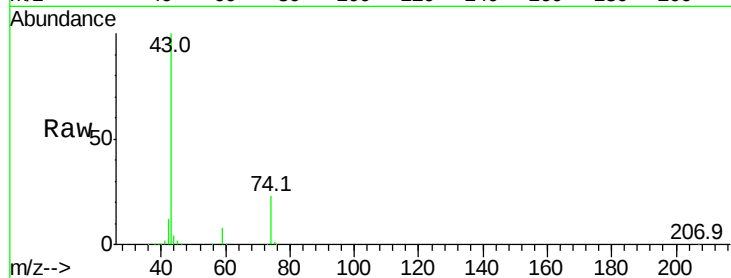




#15
Methyl Acetate
Concen: 96.917 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

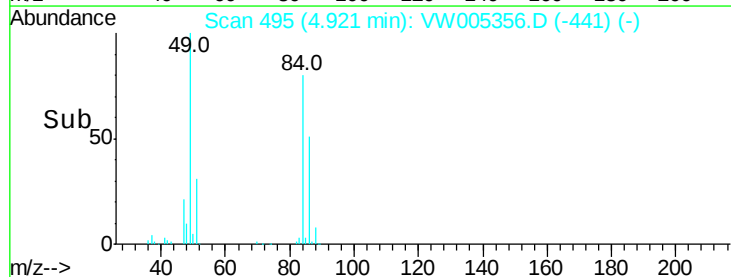
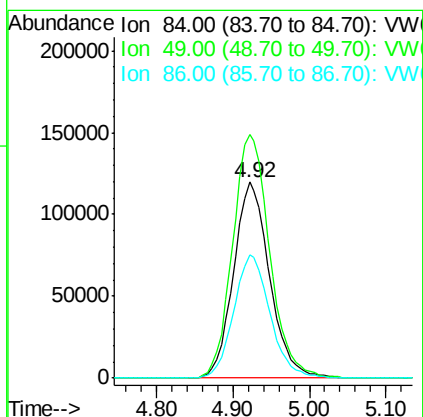
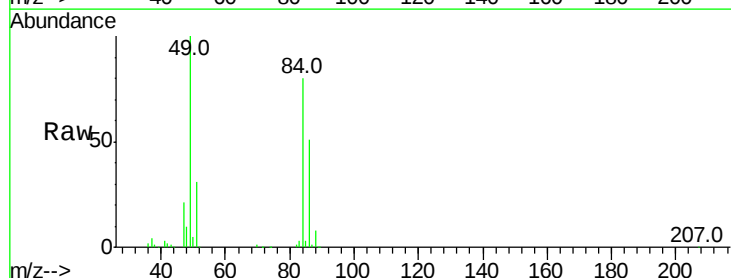
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

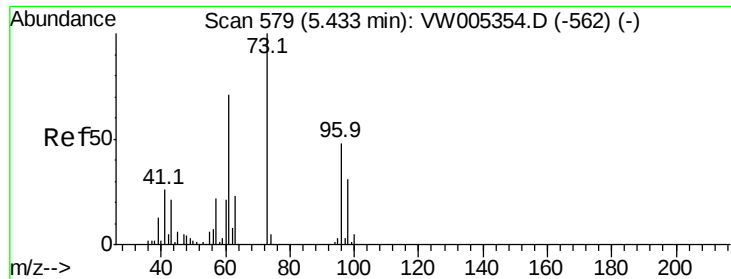
Tgt Ion: 43 Resp: 243054
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#16
Methylene chloride
Concen: 72.540 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Tgt Ion: 84 Resp: 391731
Ion Ratio Lower Upper
84 100
49 124.3 90.9 168.7
86 63.2 43.6 81.0





#17

Methyl tert-butyl Ether

Concen: 103.193 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

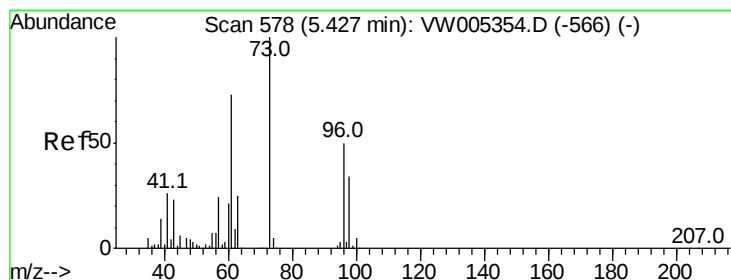
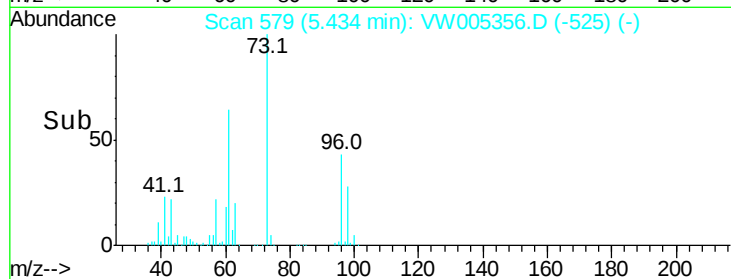
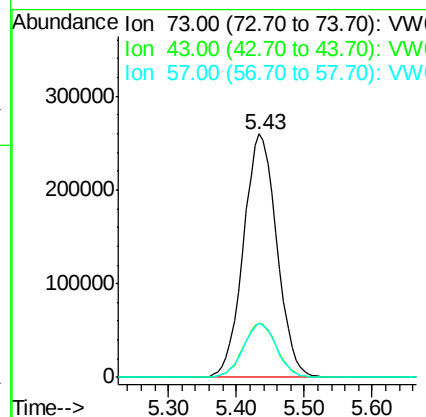
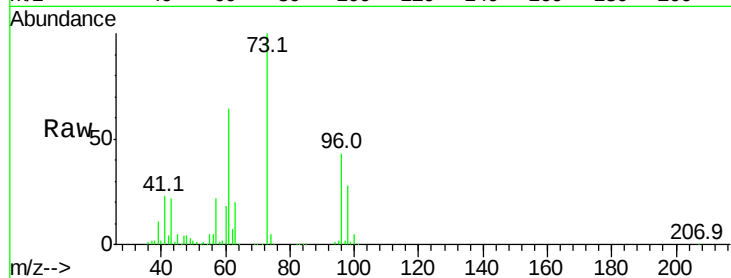
Tgt Ion: 73 Resp: 887932

Ion Ratio Lower Upper

73 100

43 22.3 17.7 26.5

57 22.0 17.8 26.6



#18

trans-1,2-Dichloroethene

Concen: 94.887 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

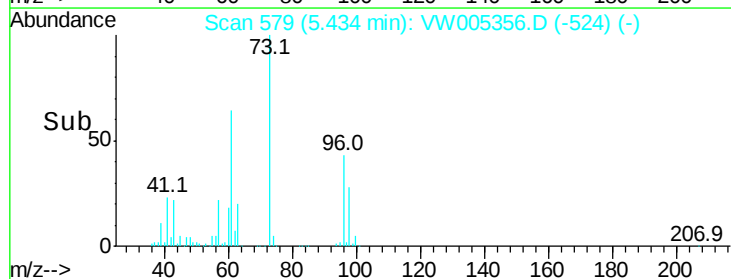
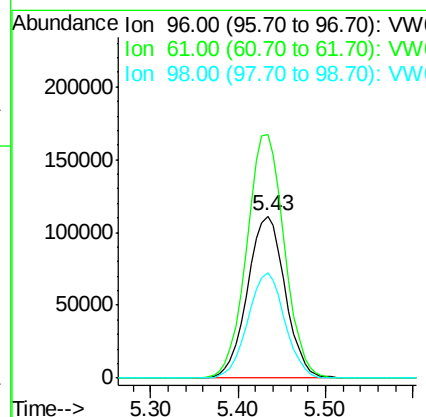
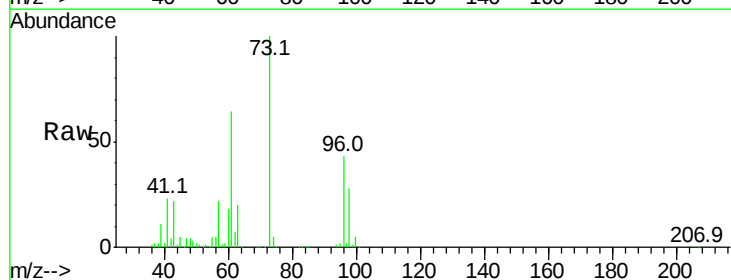
Tgt Ion: 96 Resp: 332444

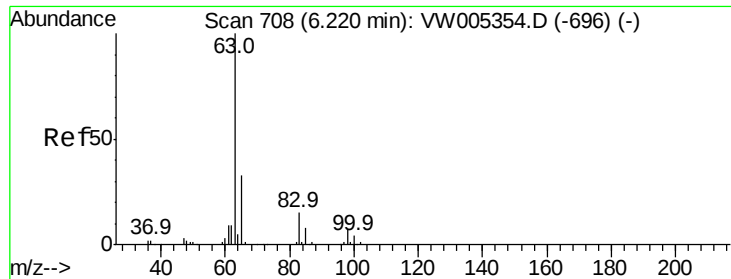
Ion Ratio Lower Upper

96 100

61 150.5 103.0 191.2

98 64.9 47.2 87.6





#19

1,1-Dichloroethane

Concen: 93.290 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

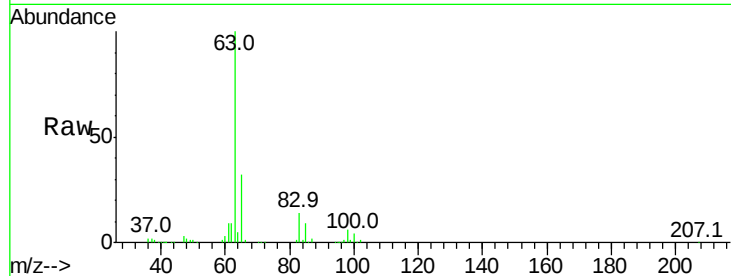
Tgt Ion: 63 Resp: 593632

Ion Ratio Lower Upper

63 100

65 32.0 22.9 42.5

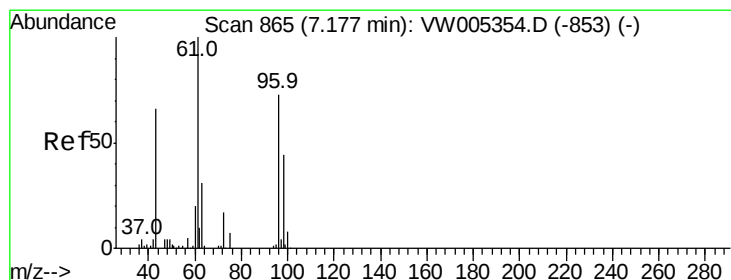
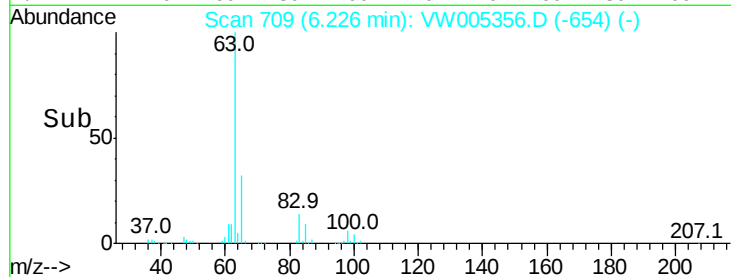
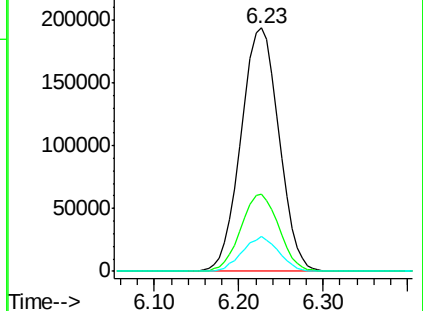
83 14.1 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 184.068 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005356.D

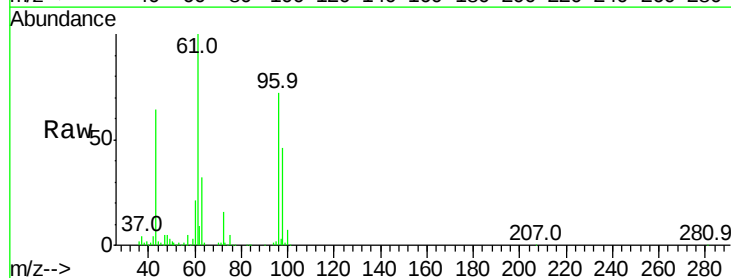
Acq: 13 Sep 2018 17:04

Tgt Ion: 43 Resp: 314686

Ion Ratio Lower Upper

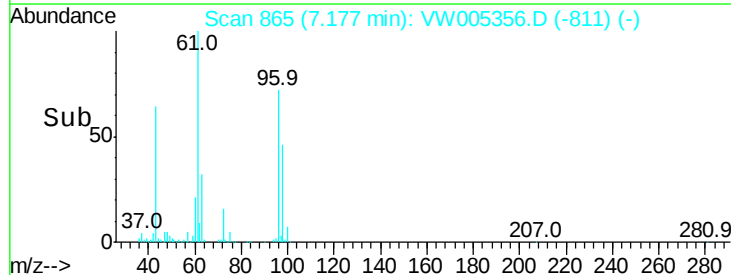
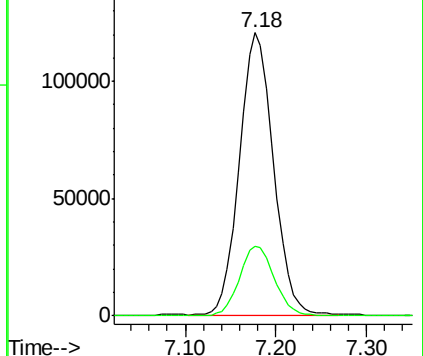
43 100

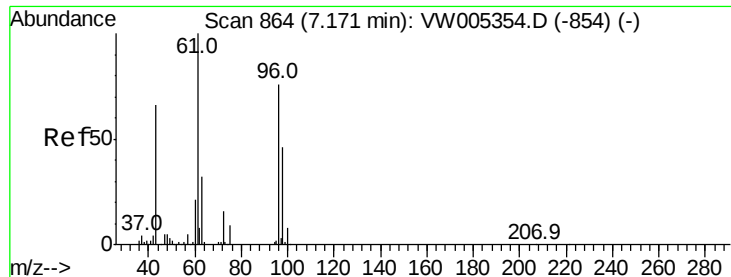
72 25.3 11.8 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



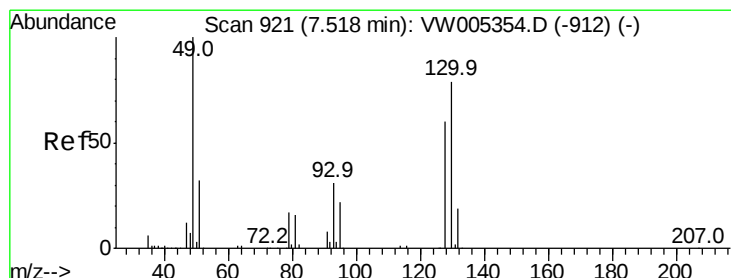
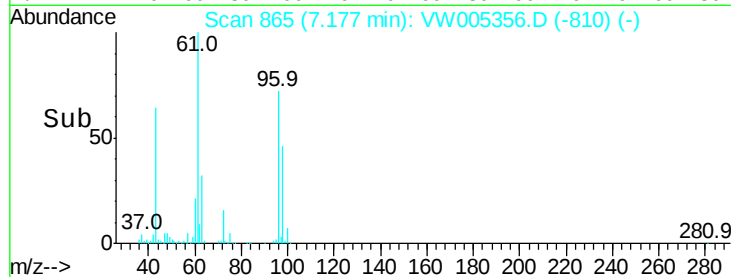
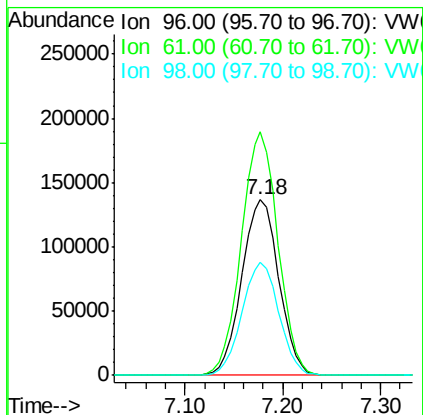
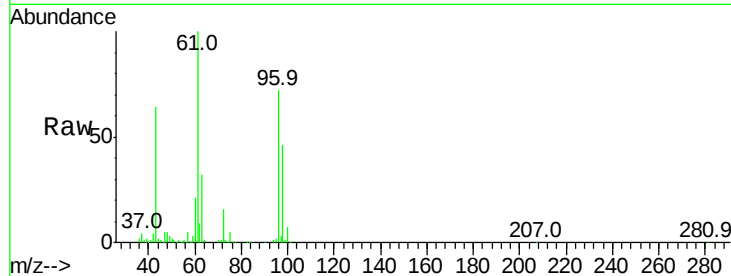


#22

cis-1,2-Dichloroethene
Concen: 96.604 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

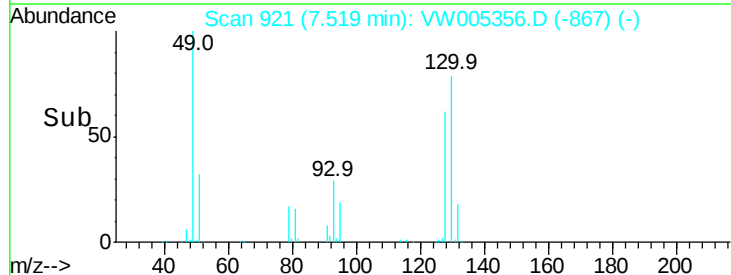
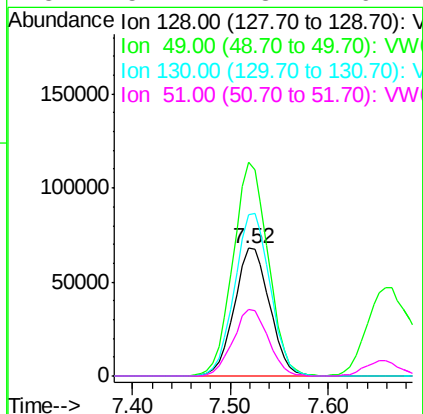
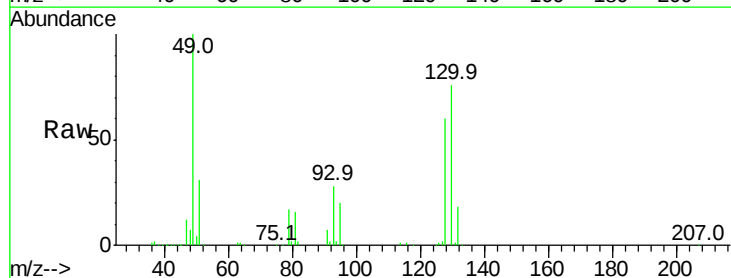
Tgt Ion: 96 Resp: 359436
Ion Ratio Lower Upper
96 100
61 138.9 93.1 172.9
98 64.3 42.4 78.6

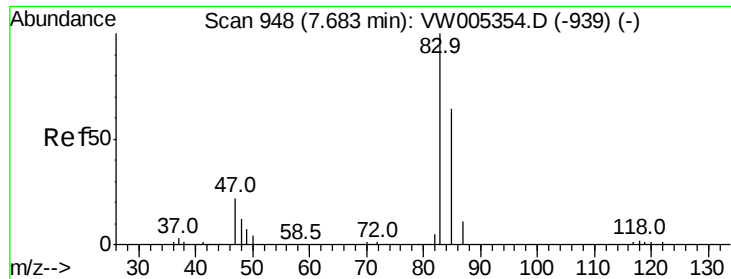


#23

Bromochloromethane
Concen: 97.756 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Tgt Ion: 128 Resp: 171126
Ion Ratio Lower Upper
128 100
49 167.3 118.2 219.6
130 126.5 92.8 172.4
51 52.4 43.1 64.7





#25

Chloroform

Concen: 92.887 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

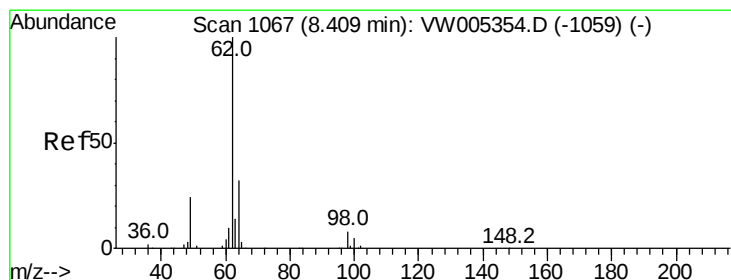
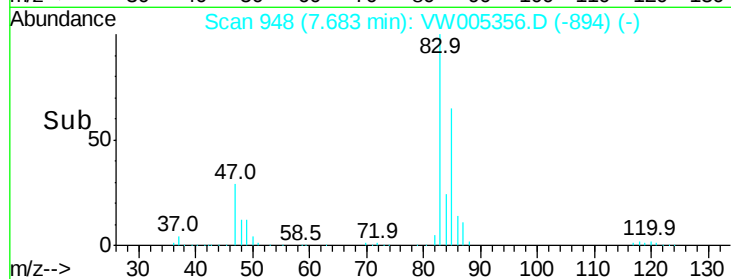
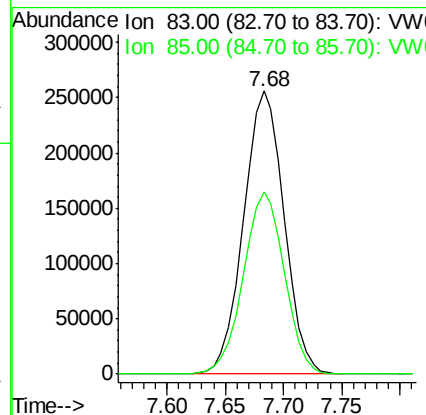
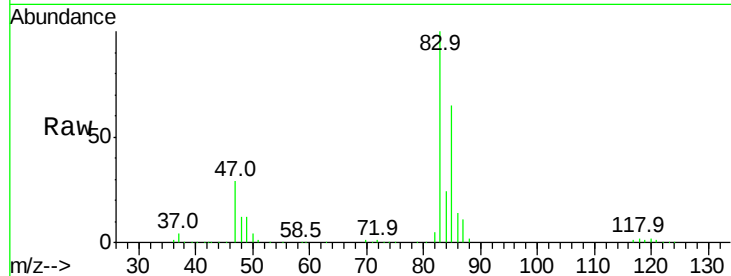
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion: 83 Resp: 621883

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 91.934 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VW005356.D

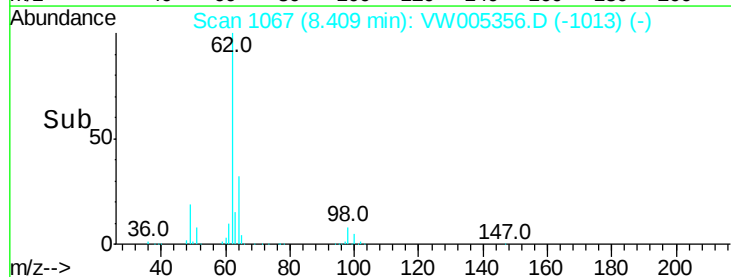
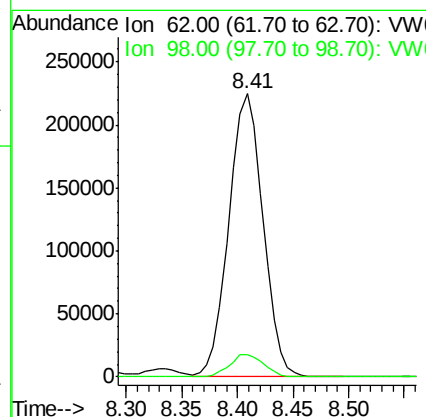
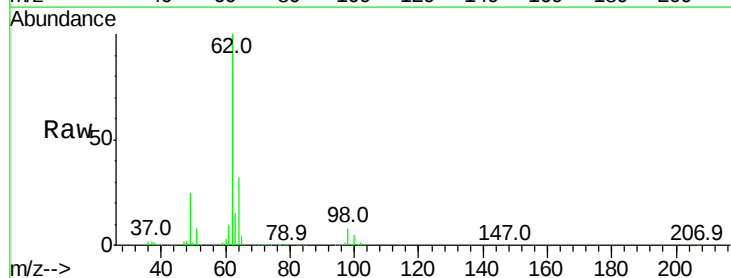
Acq: 13 Sep 2018 17:04

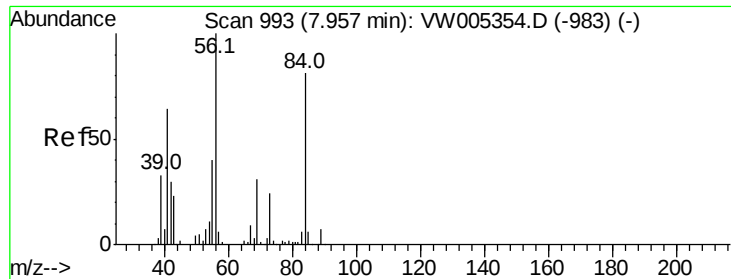
Tgt Ion: 62 Resp: 479335

Ion Ratio Lower Upper

62 100

98 8.1 6.0 9.0

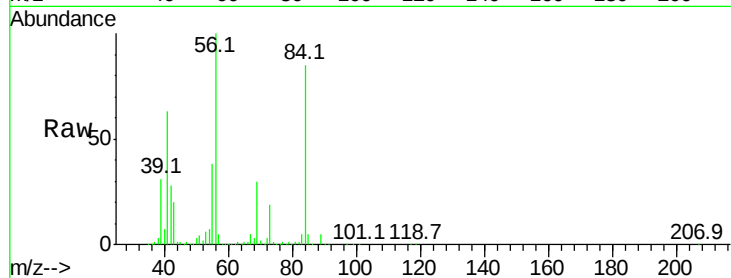




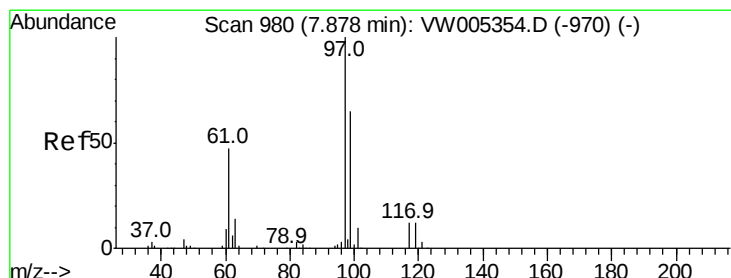
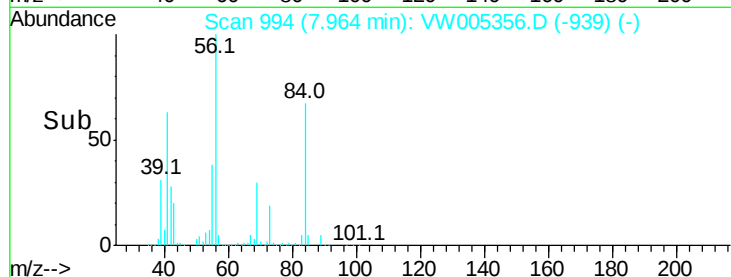
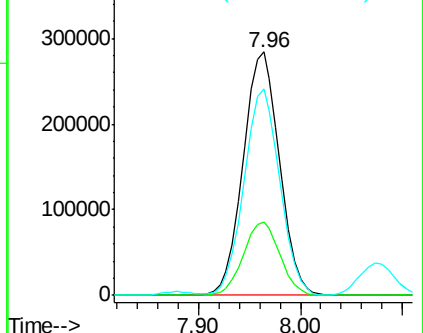
#30
Cyclohexane
Concen: 112.142 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion: 56 Resp: 703962
Ion Ratio Lower Upper
56 100
69 30.4 24.7 37.1
84 83.7 67.4 101.0

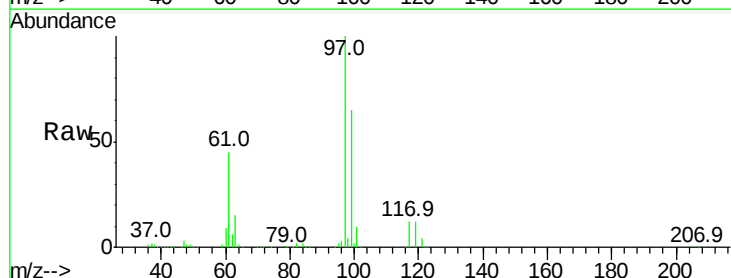


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

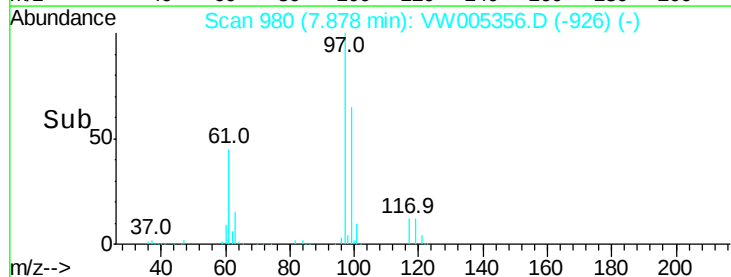
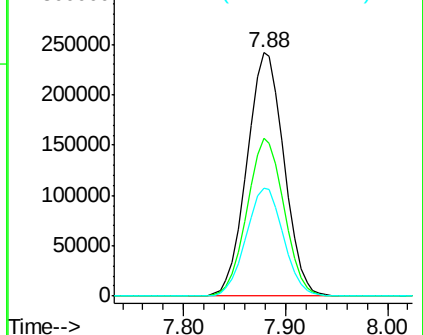


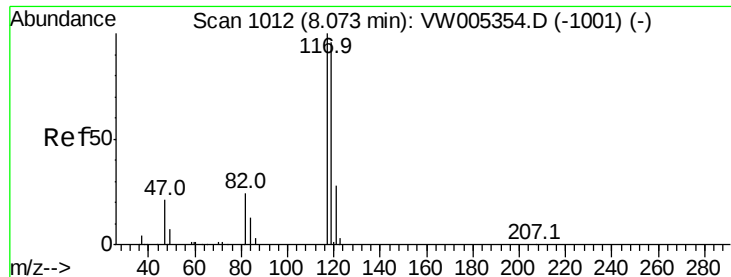
#31
1,1,1-Trichloroethane
Concen: 96.882 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Tgt Ion: 97 Resp: 611499
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 44.8 37.0 55.6



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





#32

Carbon tetrachloride

Concen: 97.963 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampled :

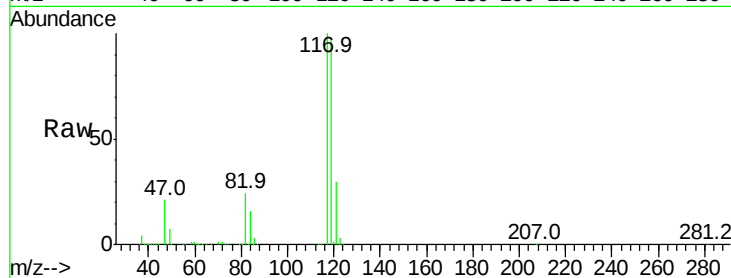
VSTD10085

Tgt Ion:117 Resp: 574863

Ion Ratio Lower Upper

117 100

119 96.8 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

250000

200000

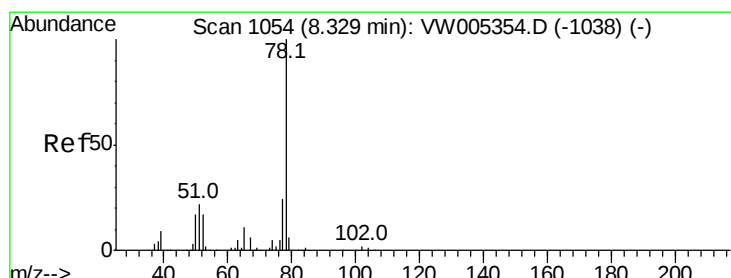
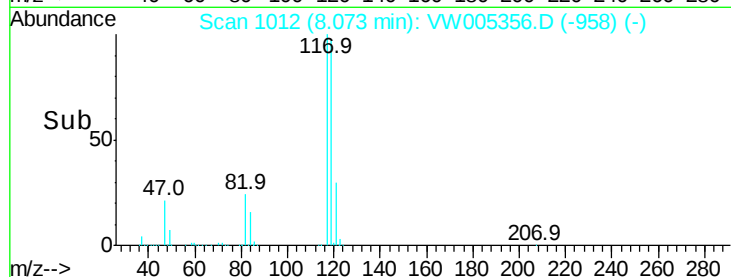
150000

100000

50000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 101.397 ug/L

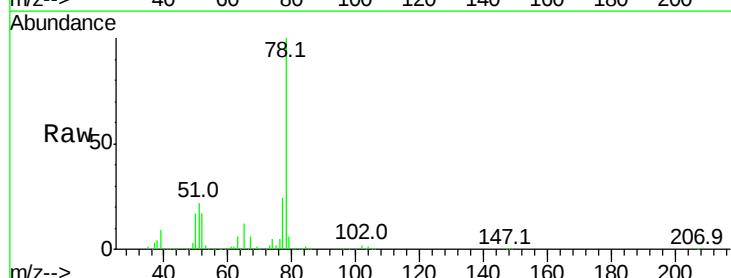
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Tgt Ion: 78 Resp: 1579157



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

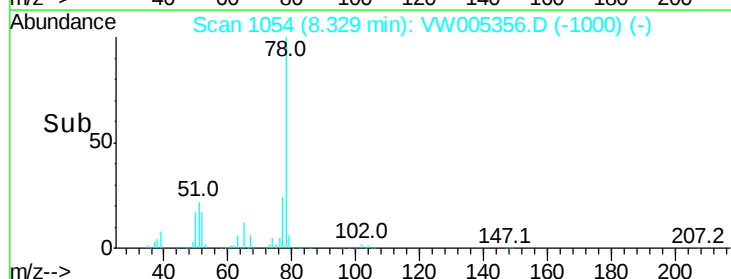
600000

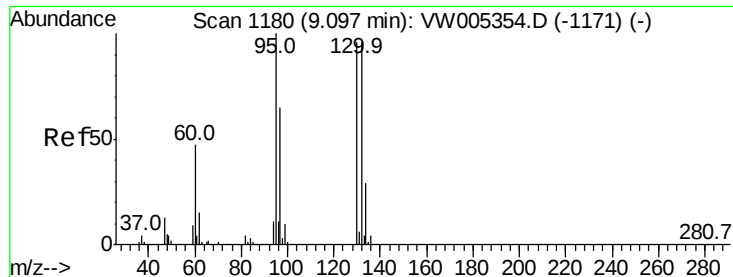
400000

200000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 102.343 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 95 Resp: 422911

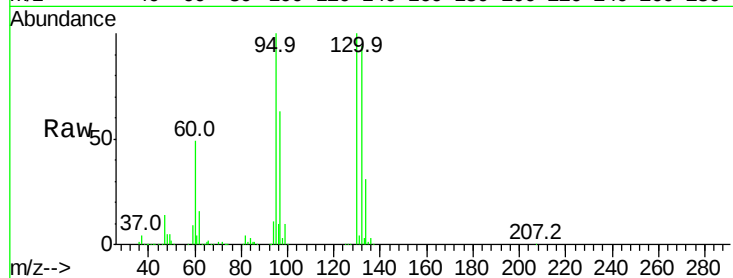
Ion Ratio Lower Upper

95 100

97 64.1 45.0 83.6

132 96.3 67.2 124.8

130 99.9 68.8 127.8

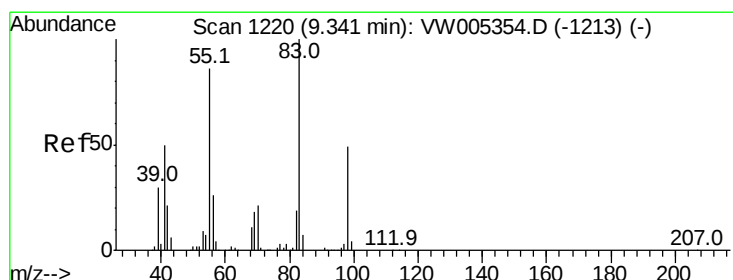
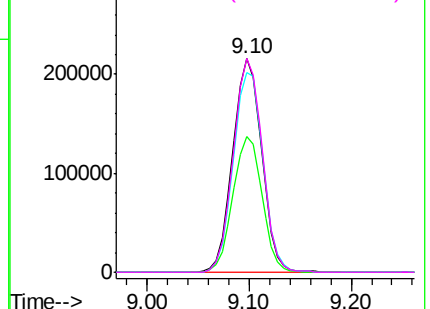
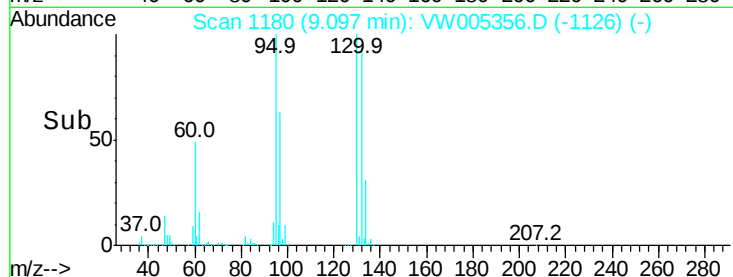


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 109.899 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

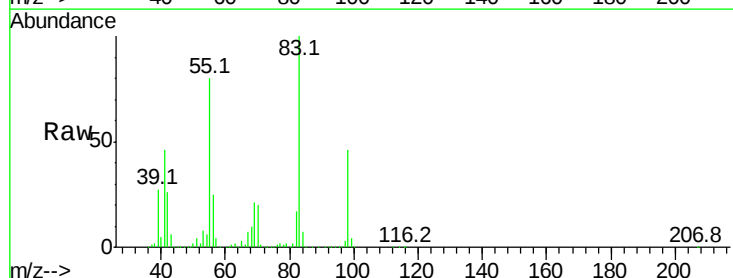
Tgt Ion: 83 Resp: 778115

Ion Ratio Lower Upper

83 100

55 81.0 66.4 99.6

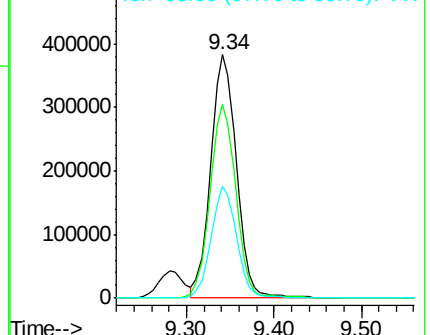
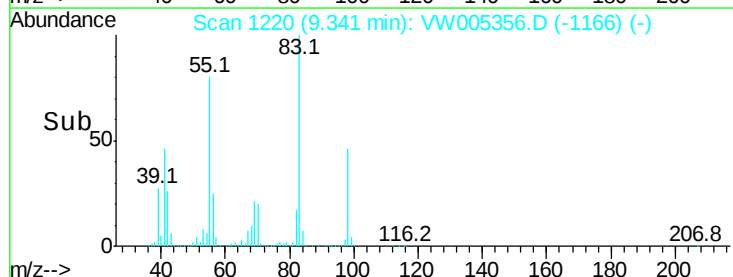
98 45.2 37.3 55.9

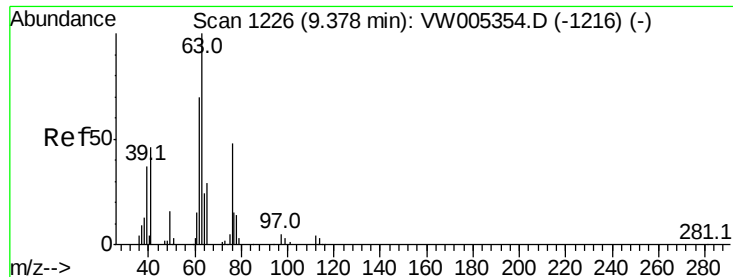


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

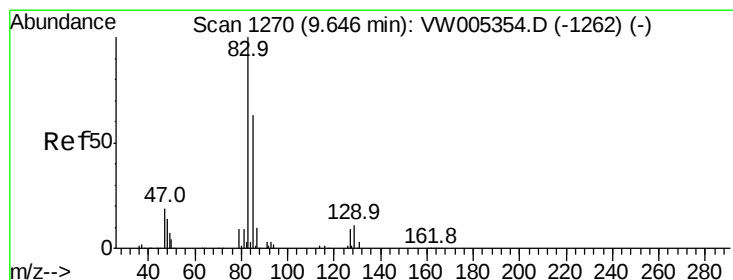
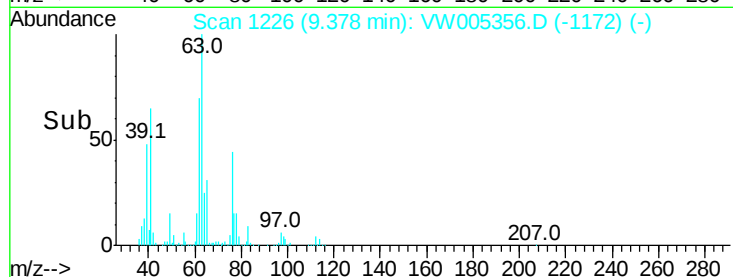
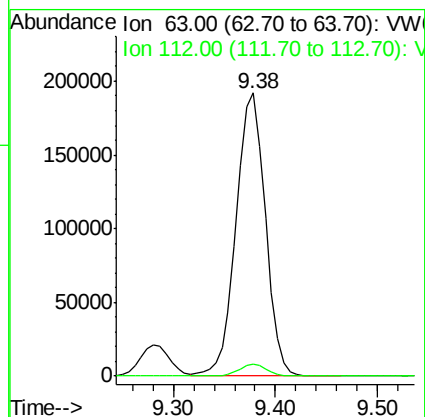
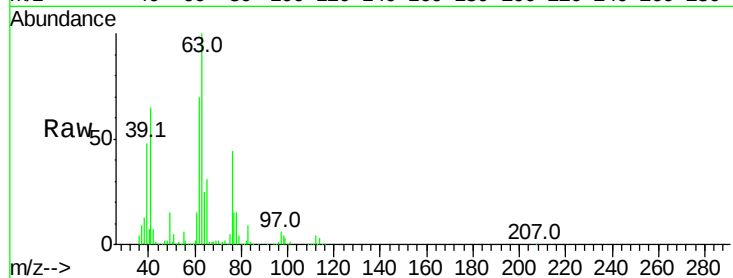




#40
 1,2-Dichloropropane
 Concen: 99.489 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VW005356.D
 Acq: 13 Sep 2018 17:04

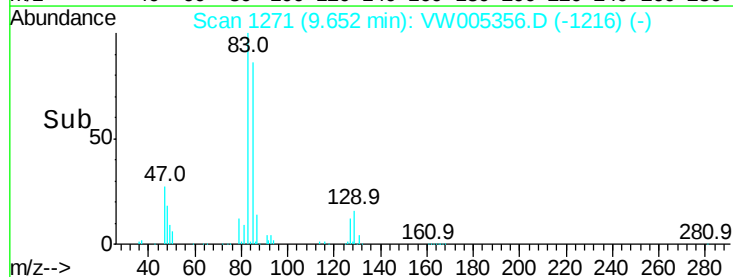
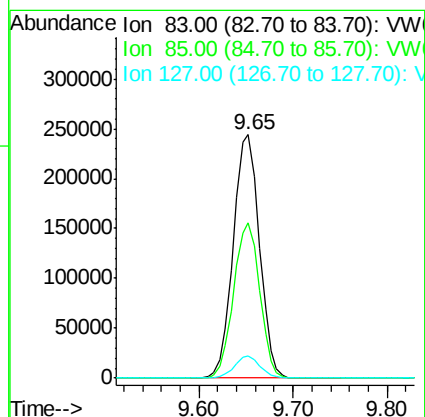
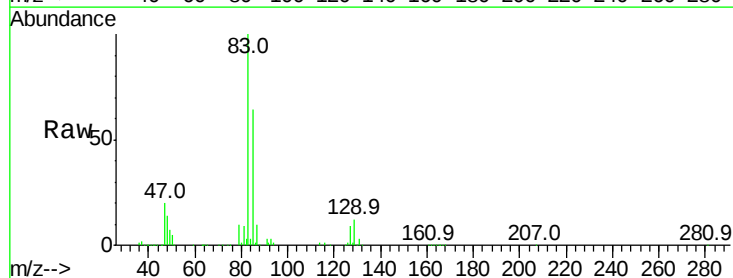
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

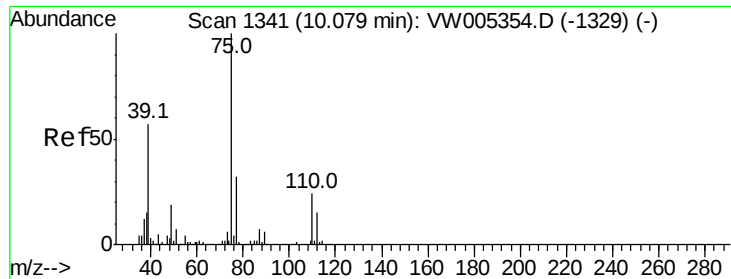
Tgt Ion: 63 Resp: 382941
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.2



#41
 Bromodichloromethane
 Concen: 94.868 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW005356.D
 Acq: 13 Sep 2018 17:04

Tgt Ion: 83 Resp: 470989
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.0 81.6
 127 8.9 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 106.847 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

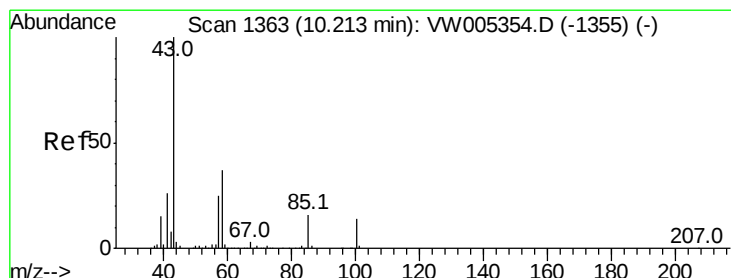
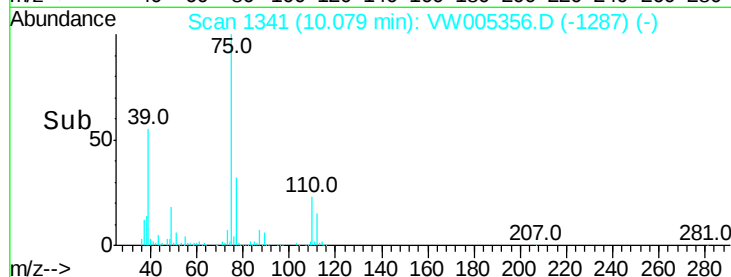
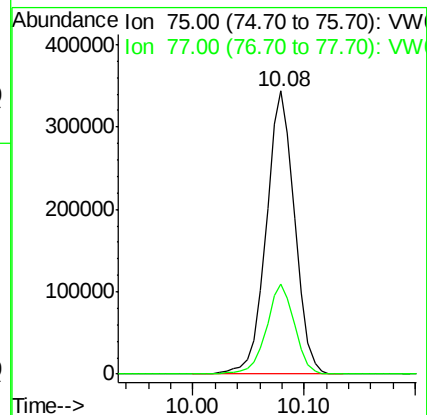
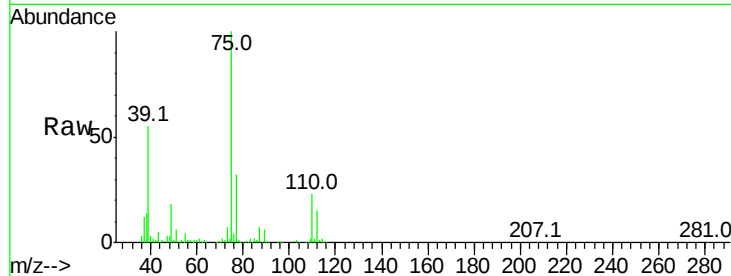
VSTD10085

Tgt Ion: 75 Resp: 609078

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 212.489 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

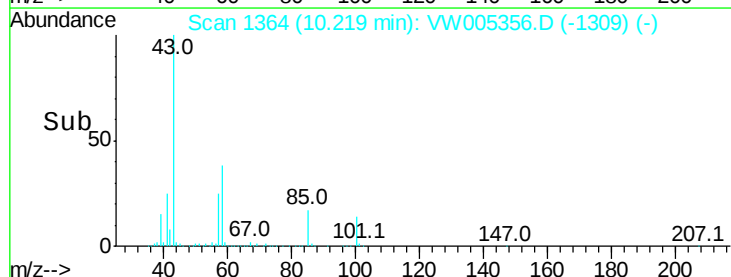
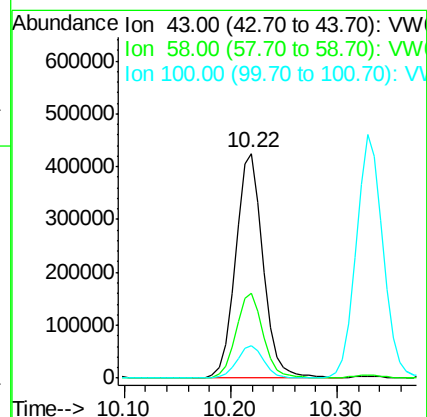
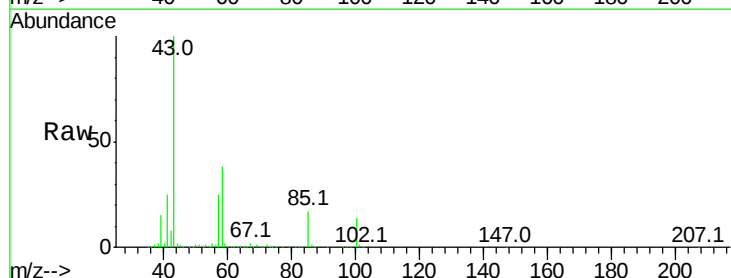
Tgt Ion: 43 Resp: 766580

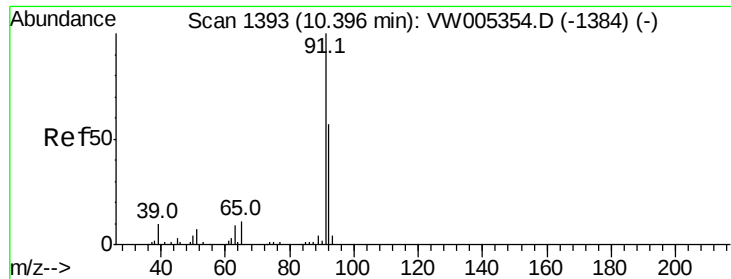
Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.8

100 14.2 11.4 17.0





#44

Toluene

Concen: 101.948 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

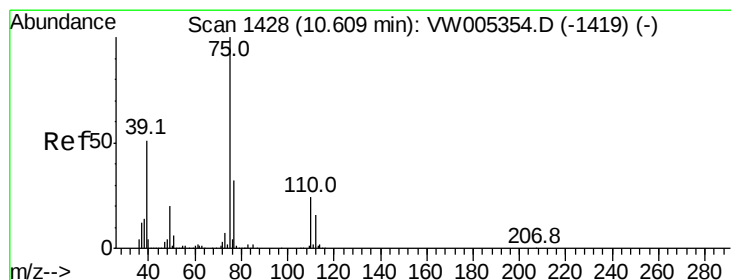
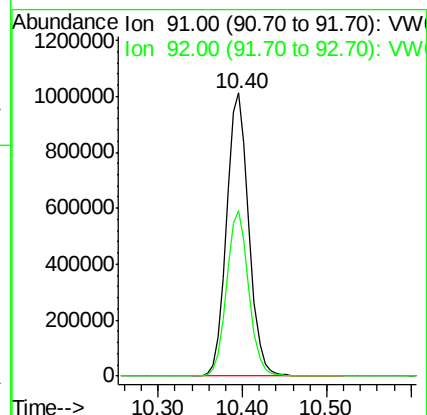
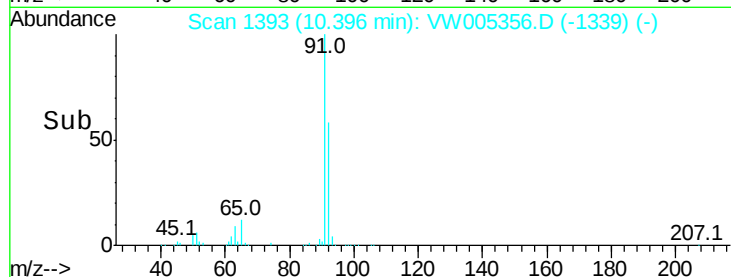
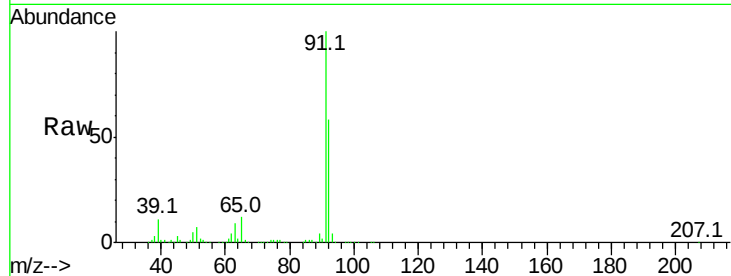
VSTD10085

Tgt Ion: 91 Resp: 1833256

Ion Ratio Lower Upper

91 100

92 58.5 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 106.716 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005356.D

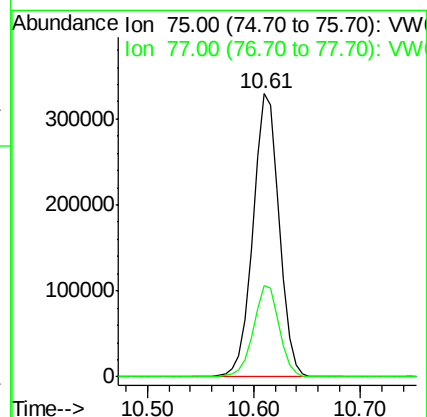
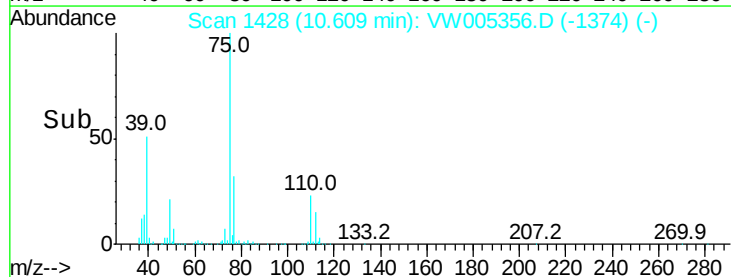
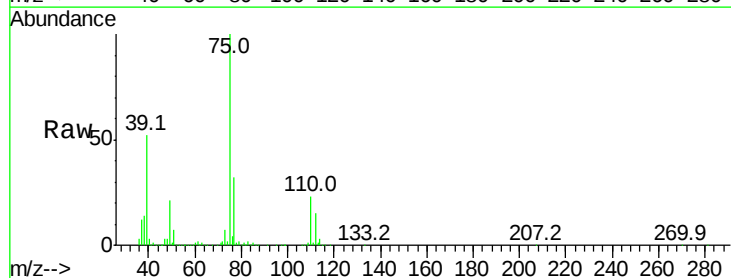
Acq: 13 Sep 2018 17:04

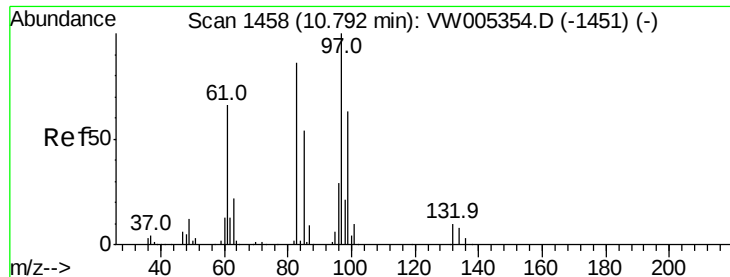
Tgt Ion: 75 Resp: 567700

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 97.978 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 97 Resp: 296526

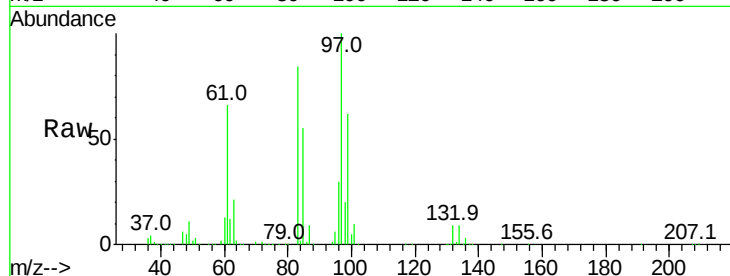
Ion Ratio Lower Upper

97 100

83 84.2 60.2 111.8

85 55.0 37.9 70.5

99 62.3 44.5 82.7

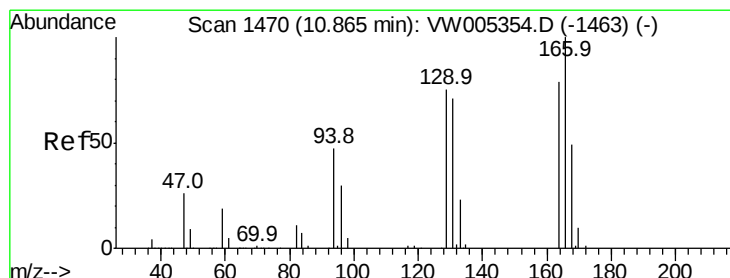
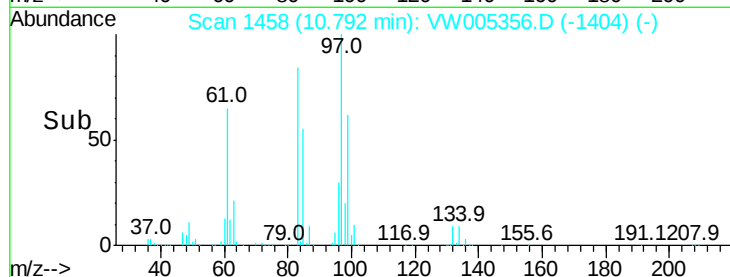
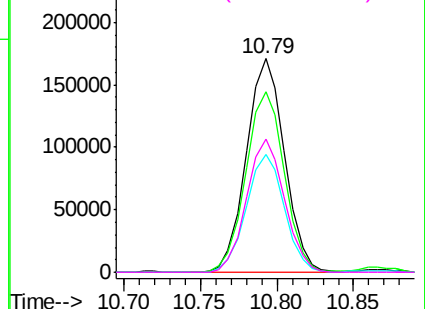


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 100.184 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Tgt Ion: 164 Resp: 373022

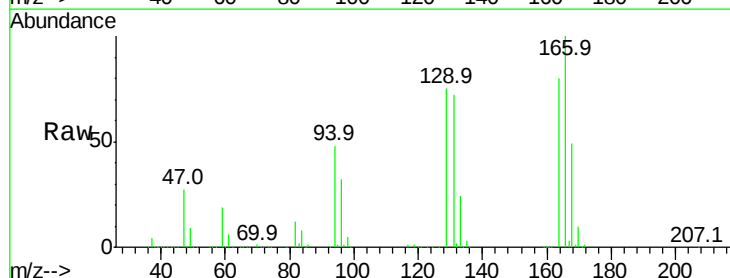
Ion Ratio Lower Upper

164 100

129 94.3 66.2 123.0

131 90.2 63.6 118.0

166 125.4 88.9 165.1

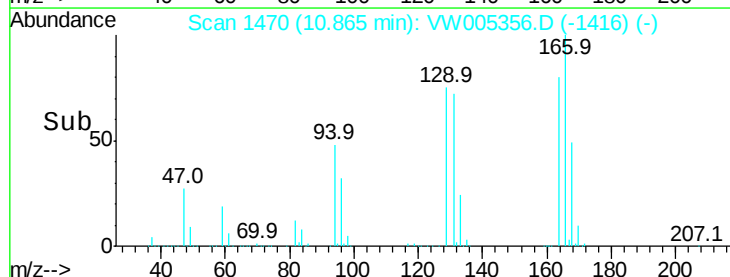
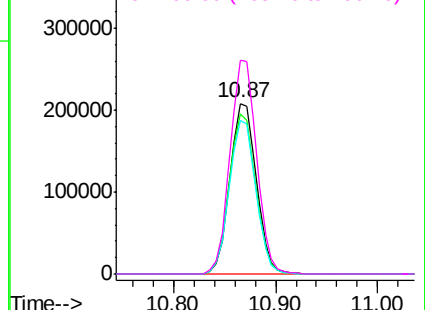


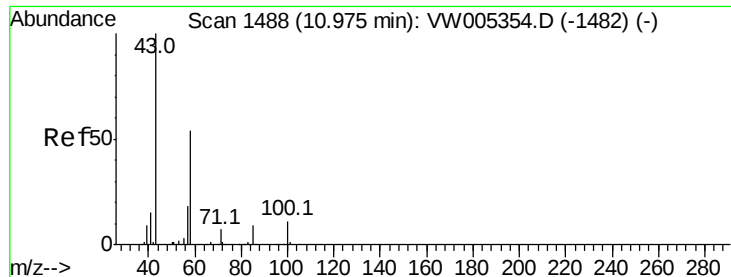
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

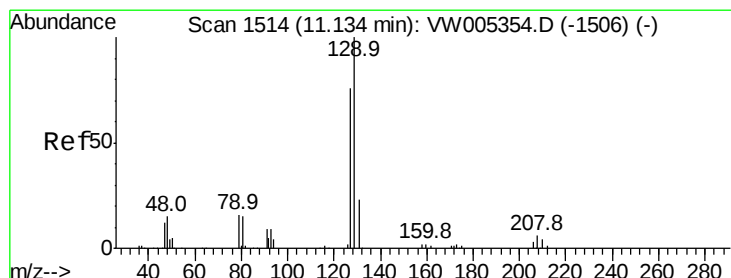
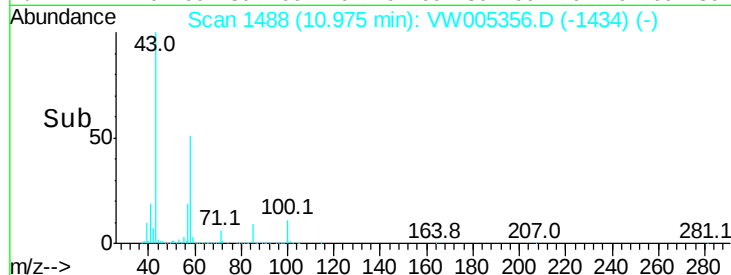
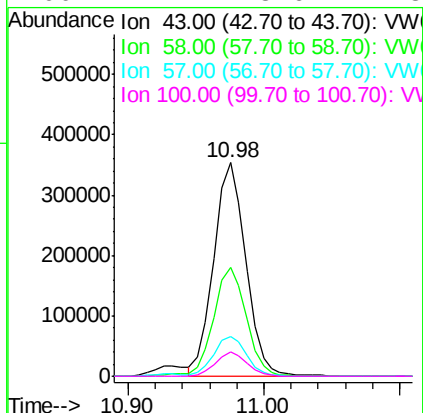
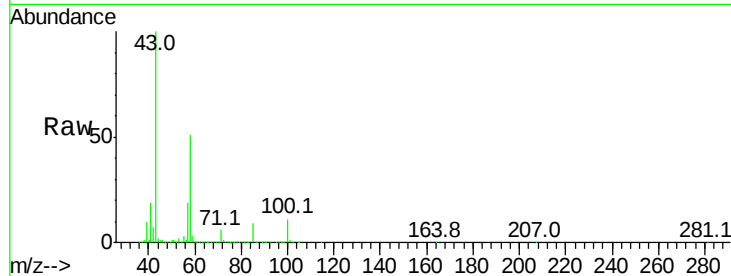




#49
2-Hexanone
Concen: 216.364 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

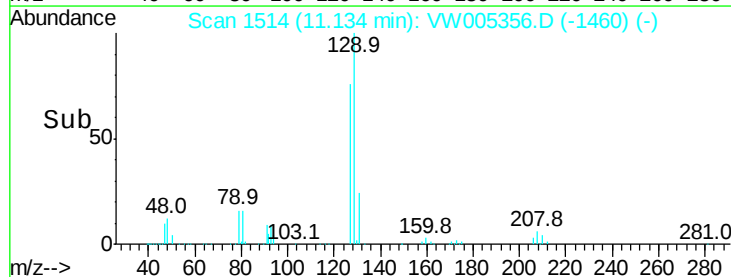
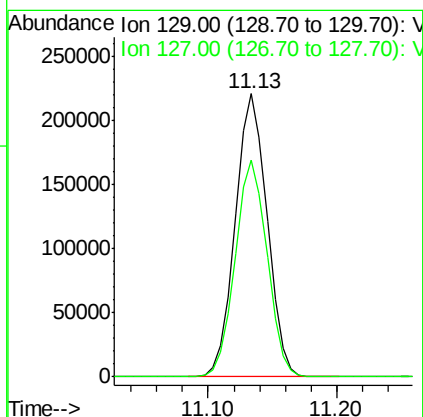
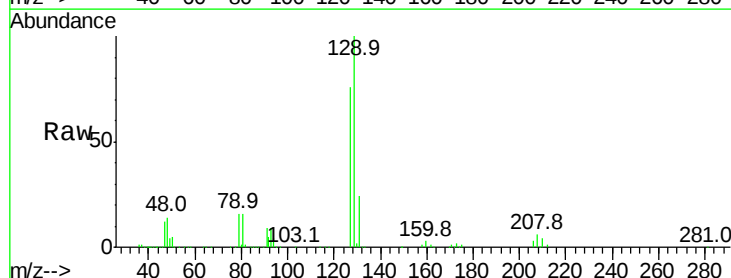
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

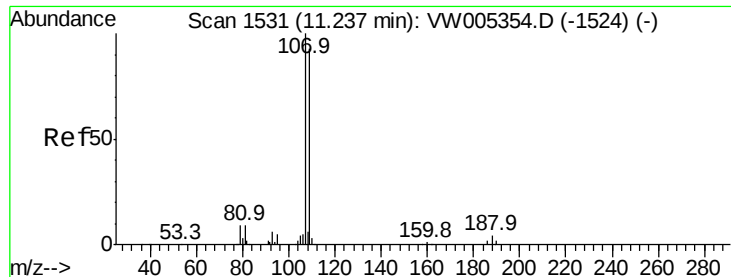
Tgt Ion: 43 Resp: 580278
Ion Ratio Lower Upper
43 100
58 51.3 41.6 62.4
57 18.9 15.0 22.6
100 11.1 8.6 12.8



#50
Dibromochloromethane
Concen: 103.435 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Tgt Ion: 129 Resp: 377951
Ion Ratio Lower Upper
129 100
127 76.4 53.1 98.5

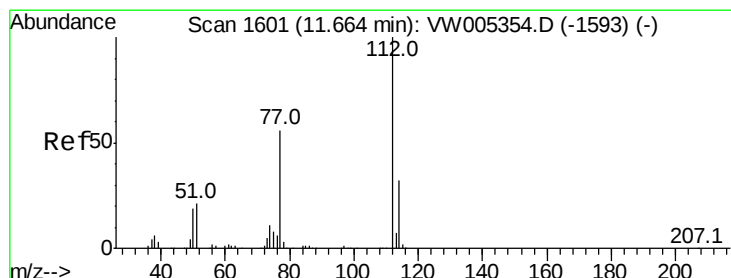
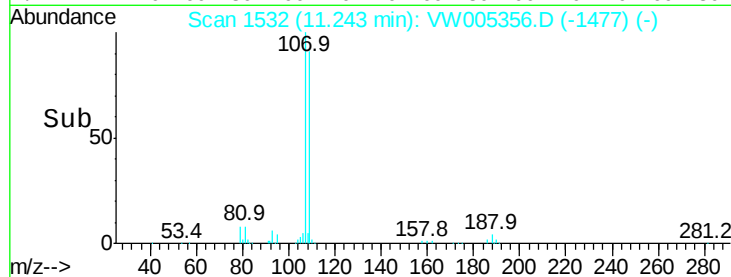
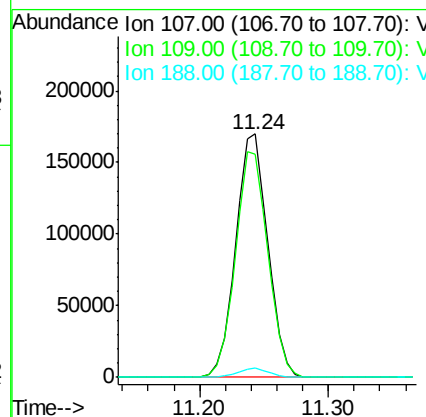
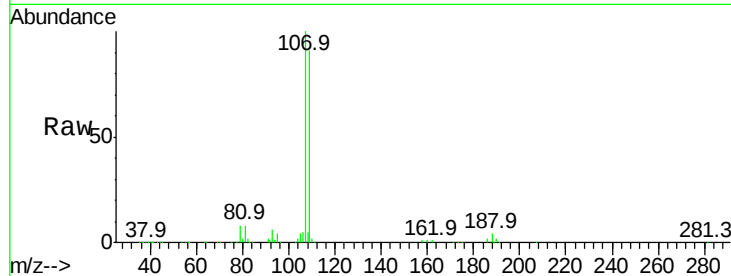




#51
1,2-Dibromoethane
Concen: 99.167 ug/L
RT: 11.24 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

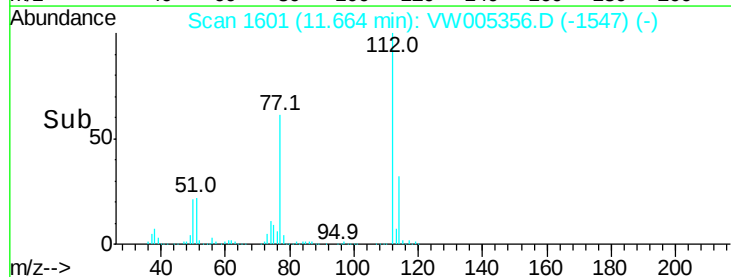
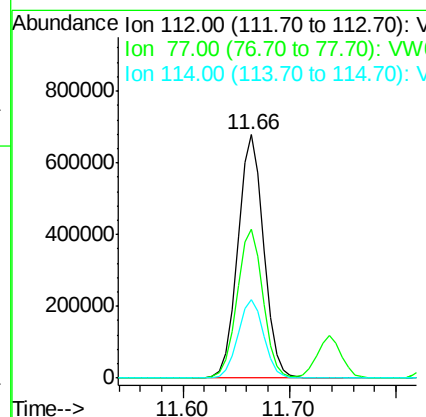
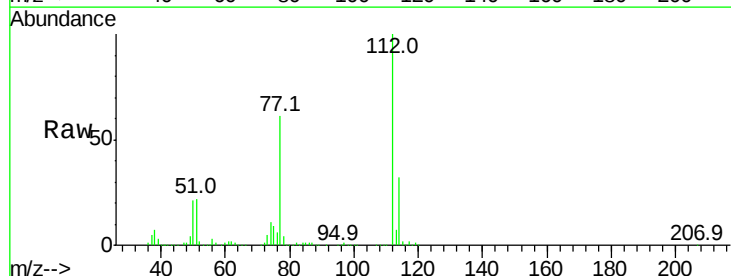
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

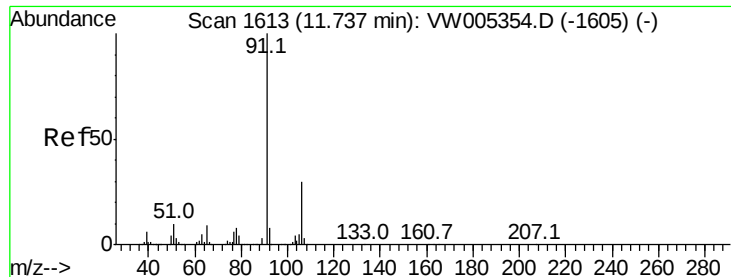
Tgt Ion:107 Resp: 294180
Ion Ratio Lower Upper
107 100
109 91.5 64.9 120.5
188 3.8 3.1 4.7



#52
Chlorobenzene
Concen: 98.451 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005356.D
Acq: 13 Sep 2018 17:04

Tgt Ion:112 Resp: 1151895
Ion Ratio Lower Upper
112 100
77 61.1 45.1 67.7
114 32.4 22.5 41.7





#53

Ethylbenzene

Concen: 103.971 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

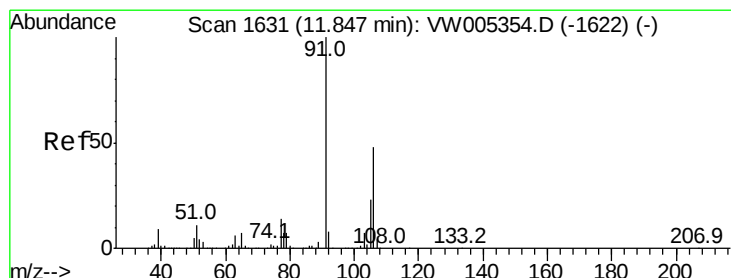
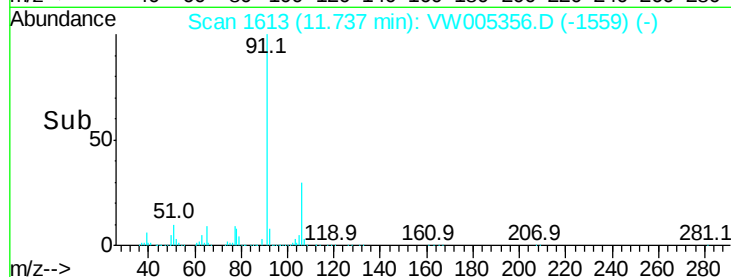
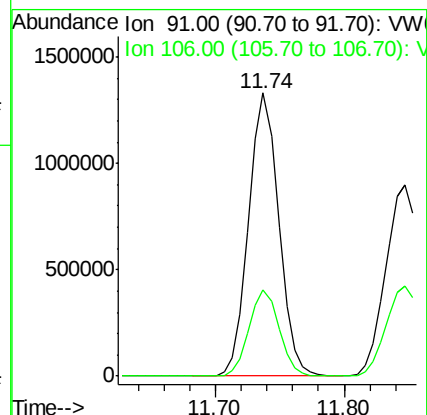
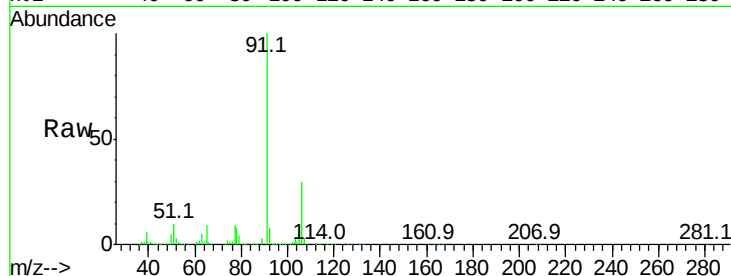
VSTD10085

Tgt Ion: 91 Resp: 2153196

Ion Ratio Lower Upper

91 100

106 30.5 20.8 38.6



#54

m,p-Xylene

Concen: 103.596 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005356.D

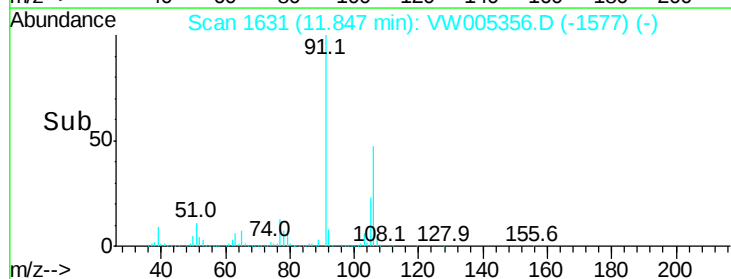
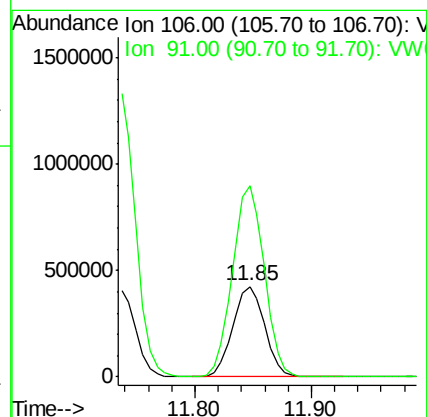
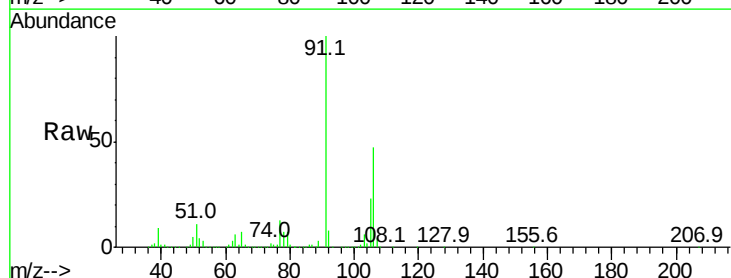
Acq: 13 Sep 2018 17:04

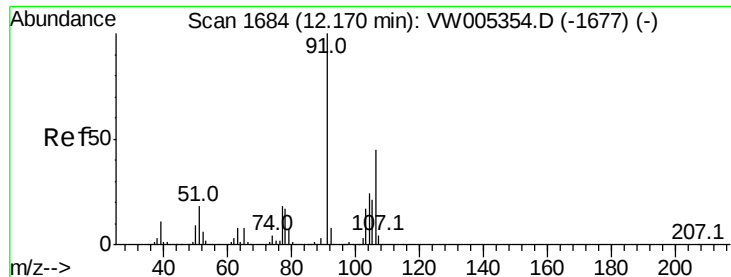
Tgt Ion:106 Resp: 810171

Ion Ratio Lower Upper

106 100

91 211.1 146.4 271.8





#55

o-xylene

Concen: 104.947 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampled :

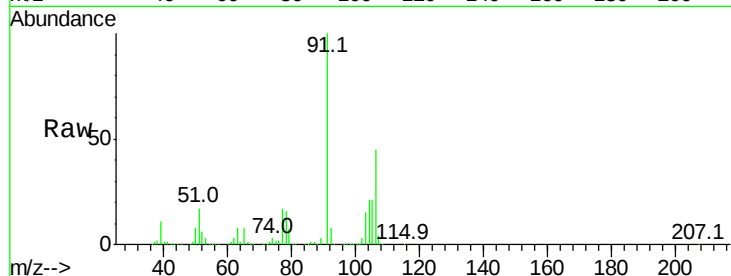
VSTD10085

Tgt Ion:106 Resp: 768440

Ion Ratio Lower Upper

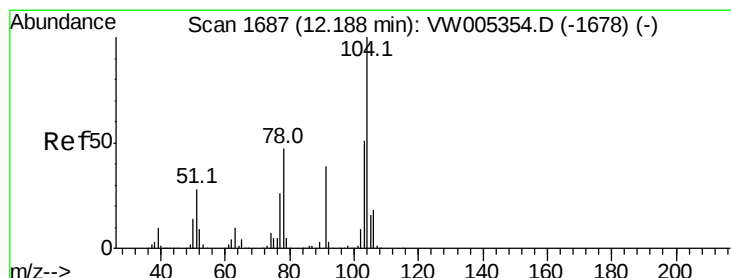
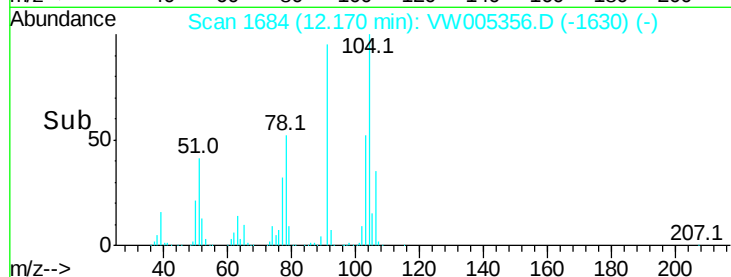
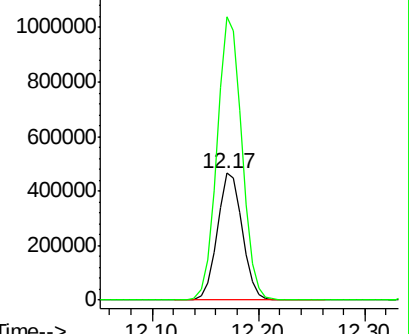
106 100

91 223.1 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 106.181 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005356.D

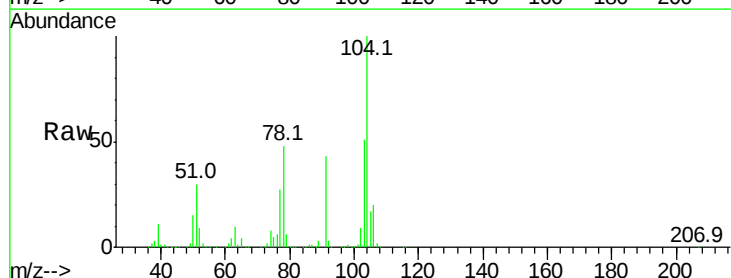
Acq: 13 Sep 2018 17:04

Tgt Ion:104 Resp: 1339403

Ion Ratio Lower Upper

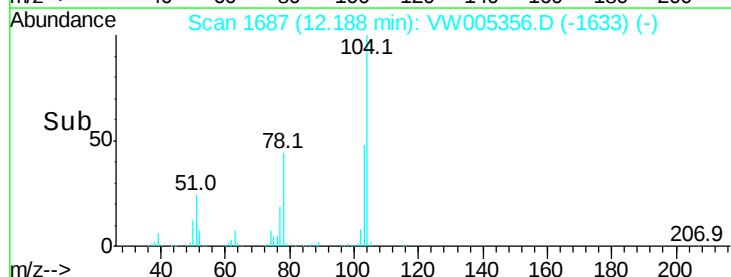
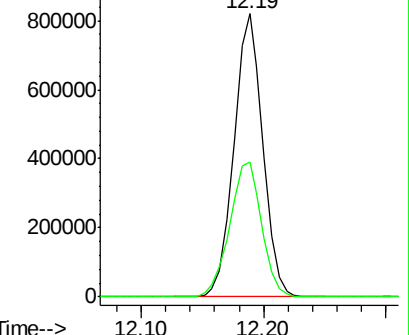
104 100

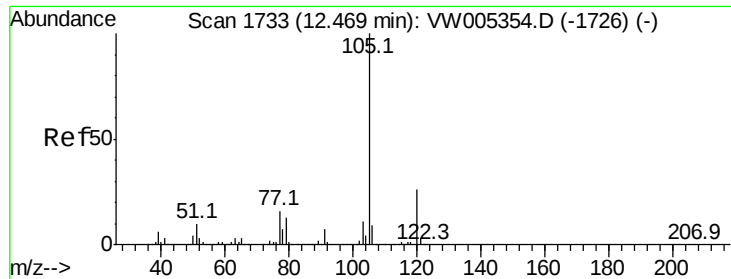
78 47.8 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 106.825 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

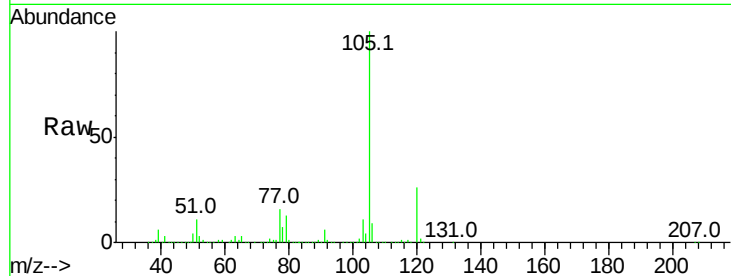
Tgt Ion:105 Resp: 2167843

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

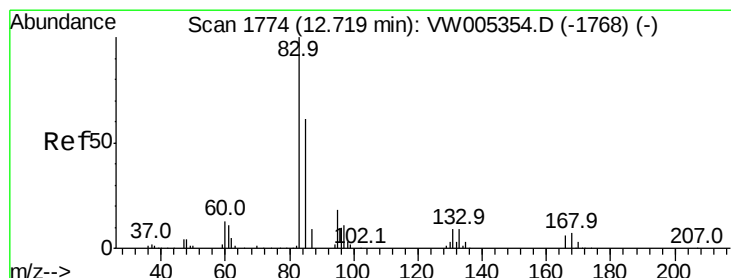
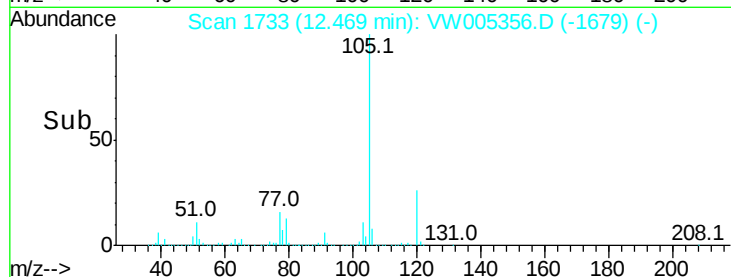
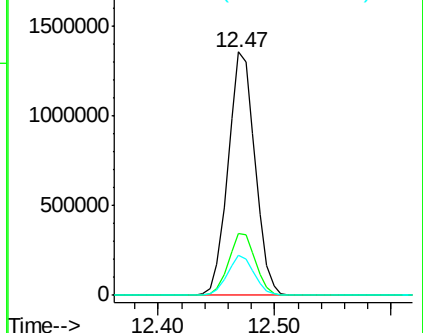
77 16.1 12.9 19.3



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: 98.849 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

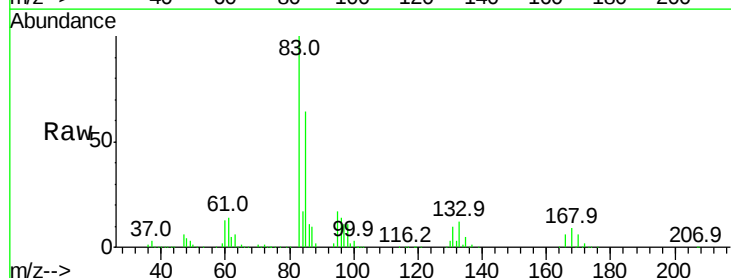
Tgt Ion: 83 Resp: 407823

Ion Ratio Lower Upper

83 100

85 63.9 43.2 80.2

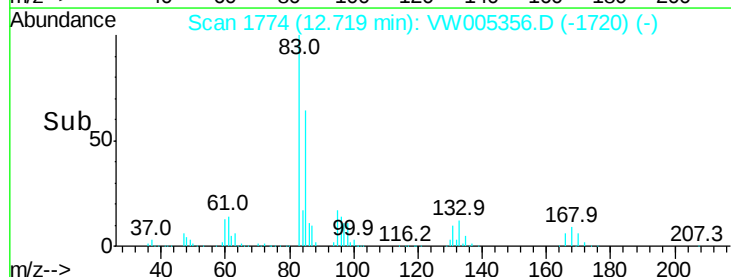
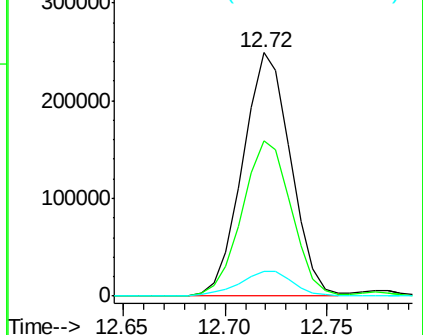
131 10.2 7.9 11.9

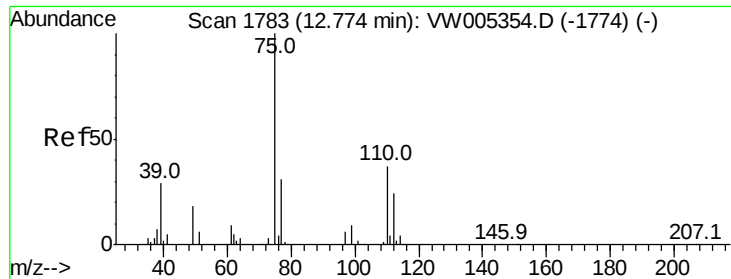


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 97.781 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

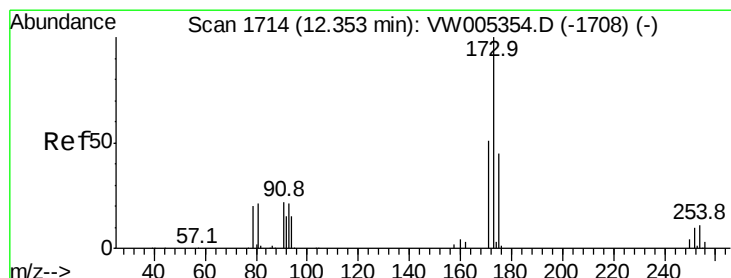
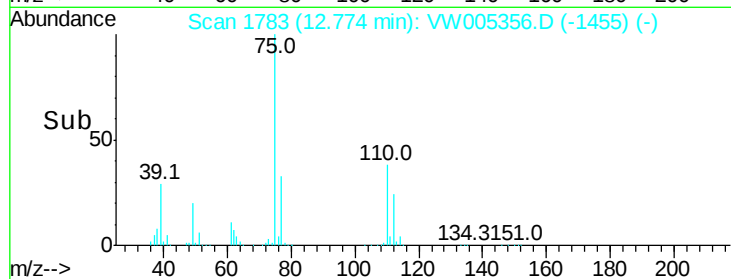
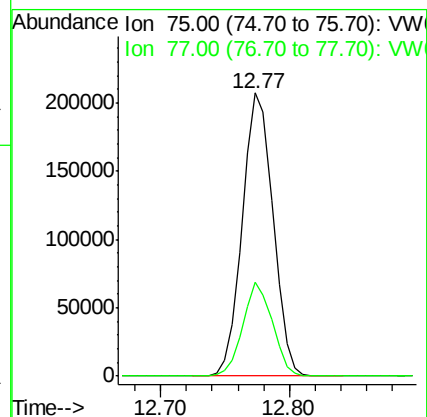
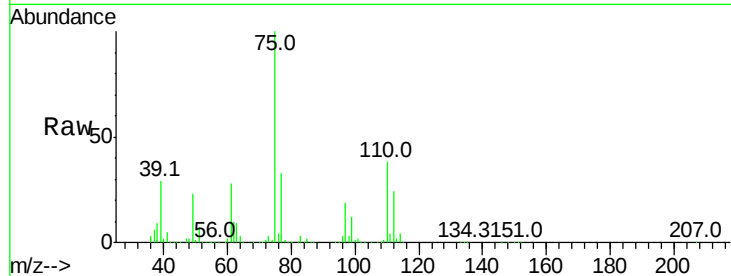
VSTD10085

Tgt Ion: 75 Resp: 341694

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#62

Bromoform

Concen: 98.986 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

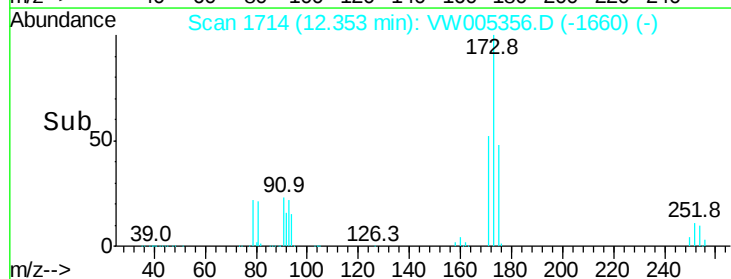
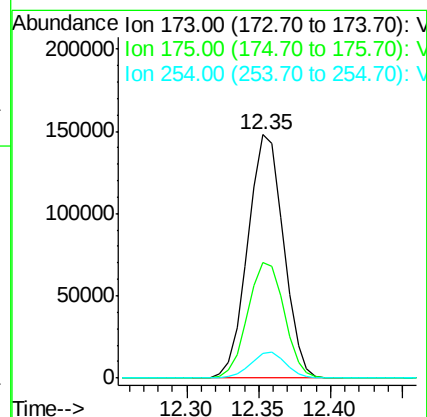
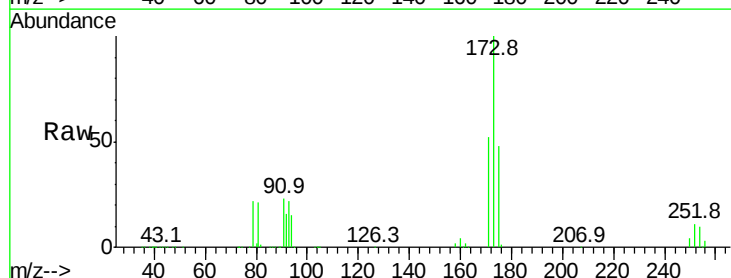
Tgt Ion: 173 Resp: 253785

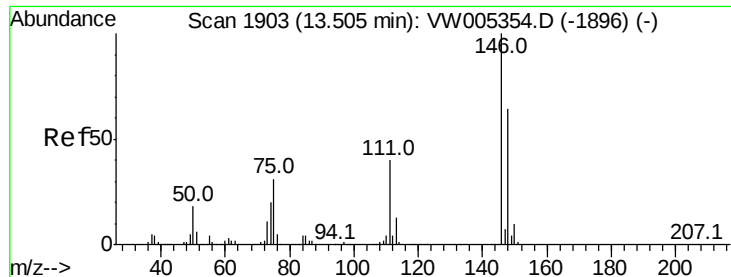
Ion Ratio Lower Upper

173 100

175 48.6 37.8 56.8

254 10.5 8.6 13.0

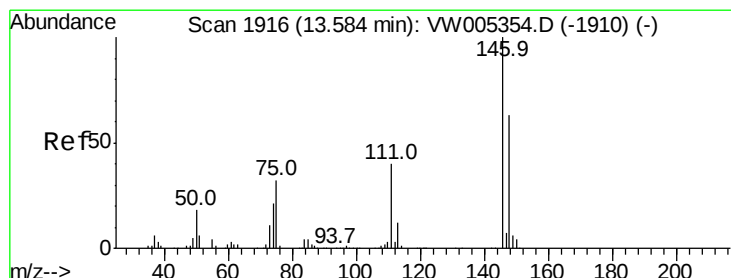
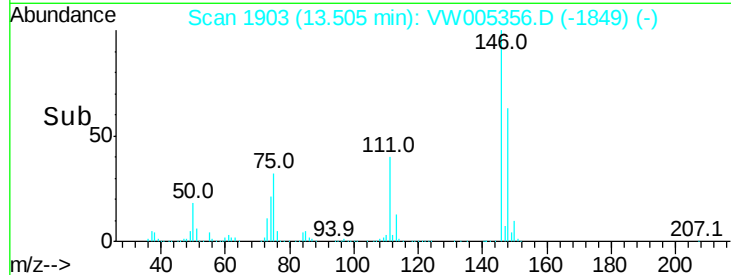
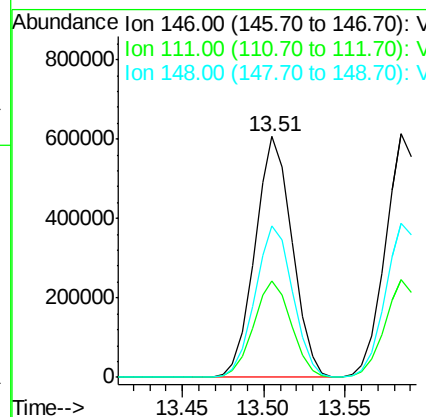
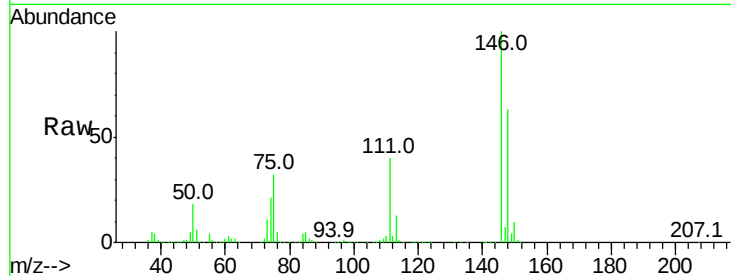




#63
 1,3-Dichlorobenzene
 Concen: 99.107 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005356.D
 Acq: 13 Sep 2018 17:04

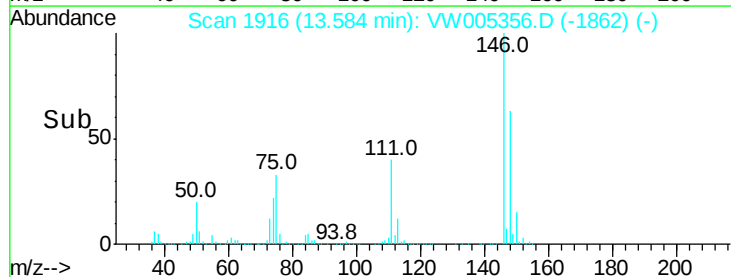
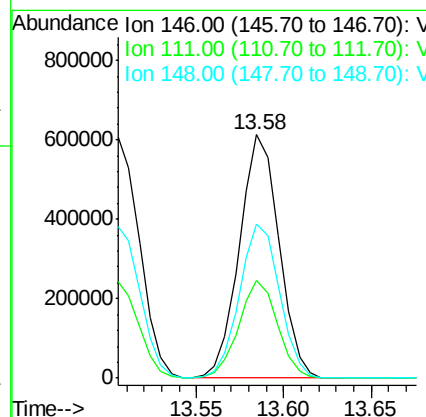
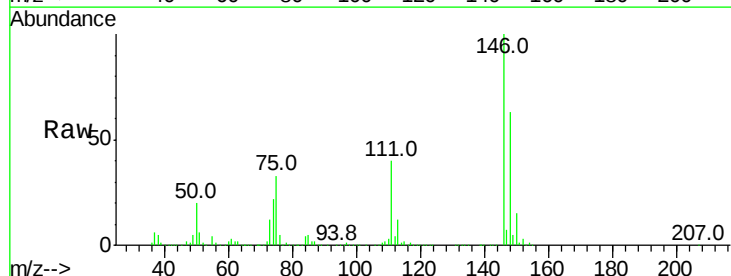
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

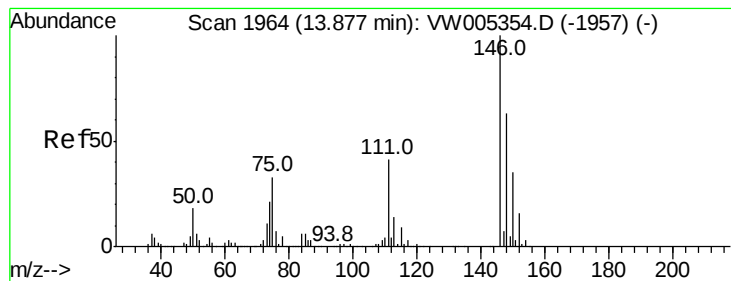
Tgt Ion:146 Resp: 960859
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.3
 148 63.1 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 94.883 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005356.D
 Acq: 13 Sep 2018 17:04

Tgt Ion:146 Resp: 965780
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.9
 148 63.1 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 95.750 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

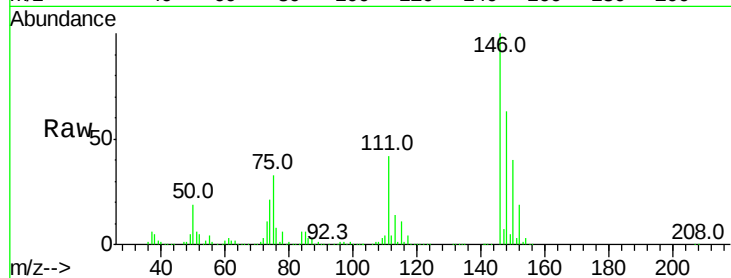
Tgt Ion:146 Resp: 900703

Ion Ratio Lower Upper

146 100

111 41.6 32.9 49.3

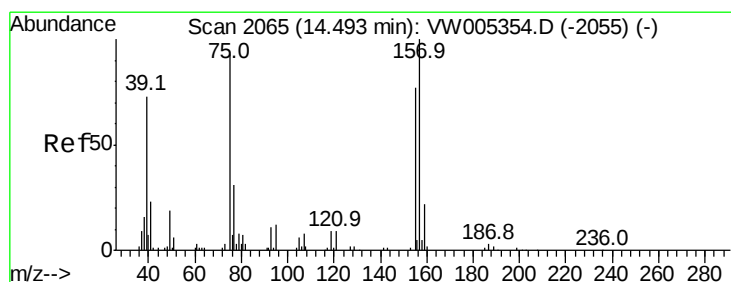
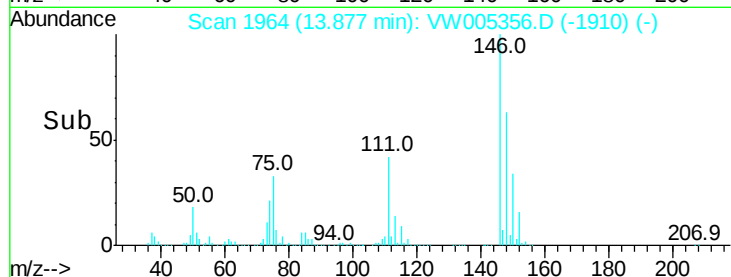
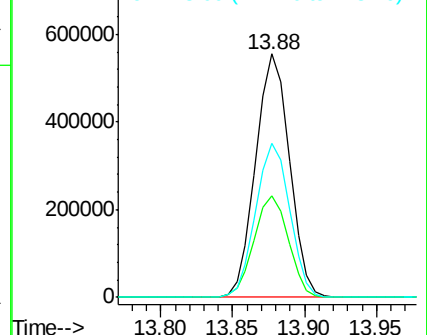
148 63.5 50.6 75.8



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: 96.509 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

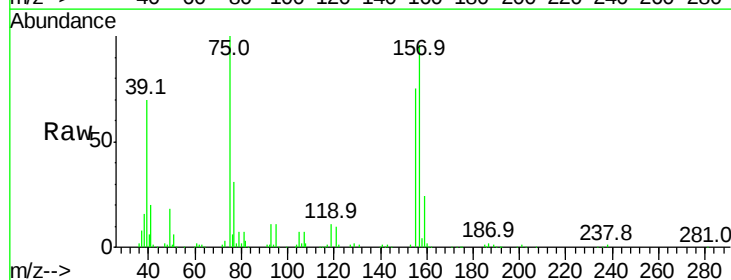
Tgt Ion: 75 Resp: 95182

Ion Ratio Lower Upper

75 100

157 95.9 86.3 129.5

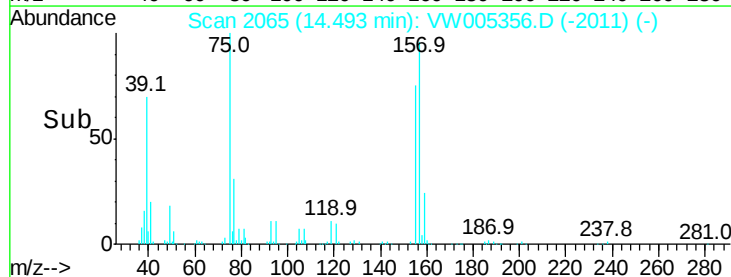
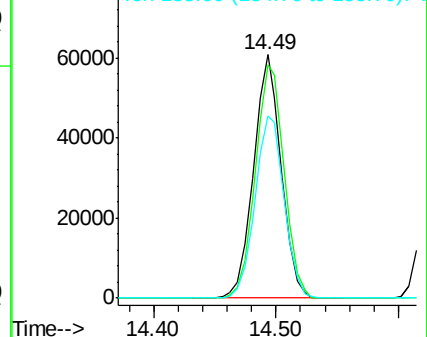
155 74.8 66.6 100.0

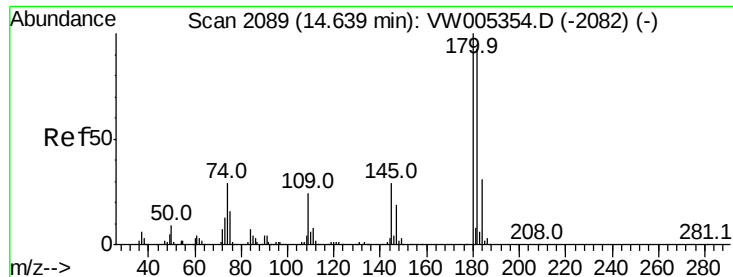


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

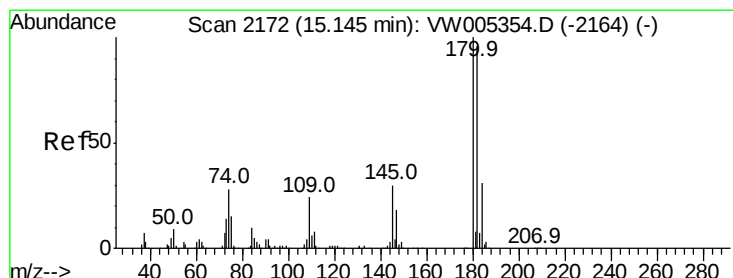
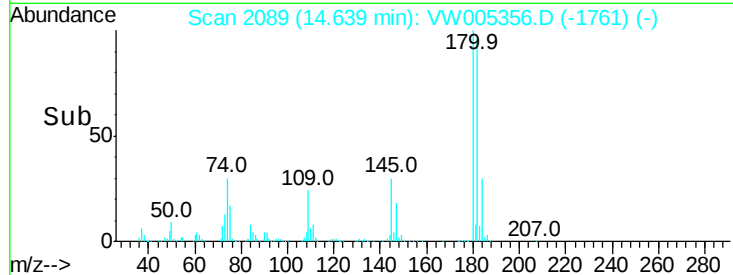
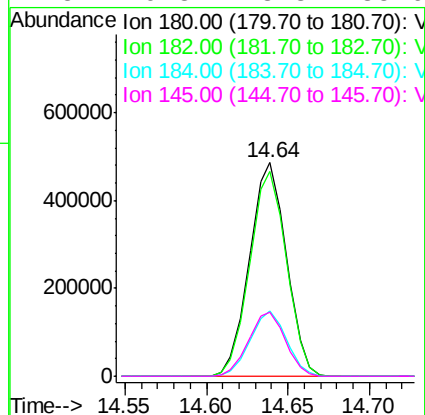
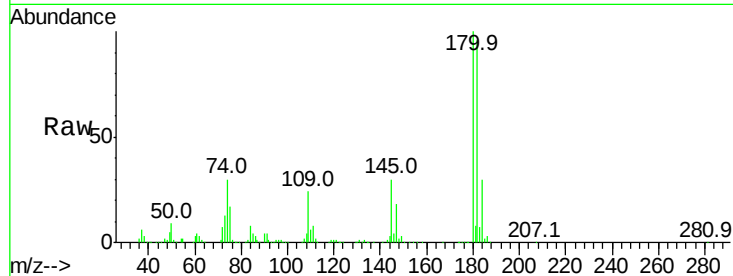




#67
 1,3,5-Trichlorobenzene
 Concen: 98.897 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005356.D
 Acq: 13 Sep 2018 17:04

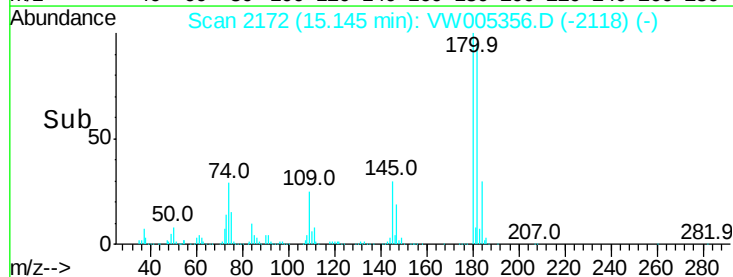
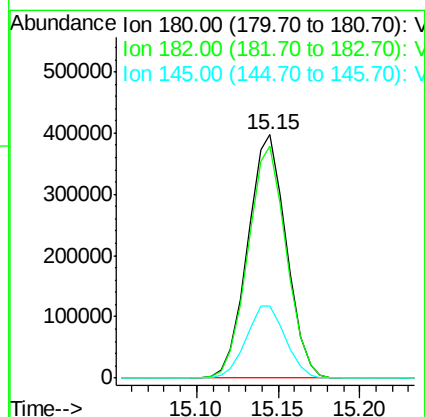
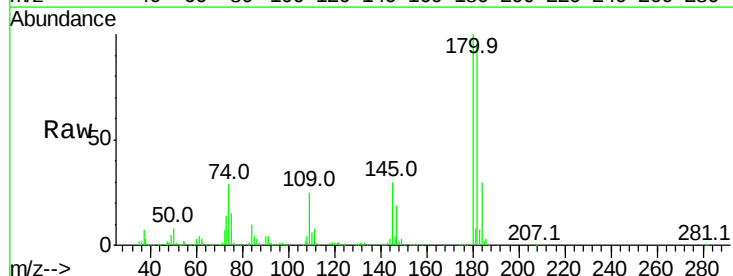
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

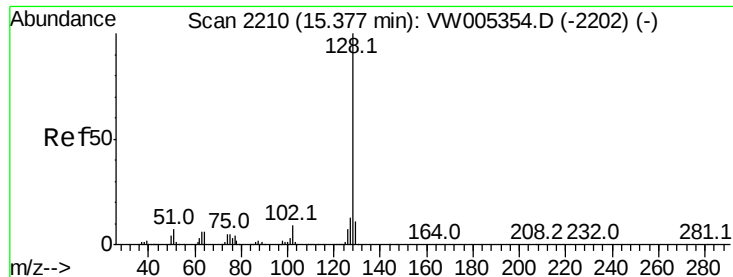
Tgt Ion:	180	Resp:	766979
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.7	113.5
184	30.1	24.0	36.0
145	29.8	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 102.147 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005356.D
 Acq: 13 Sep 2018 17:04

Tgt Ion:	180	Resp:	654027
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	115.0
145	30.2	24.2	36.4





#69

Naphthalene

Concen: 111.159 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

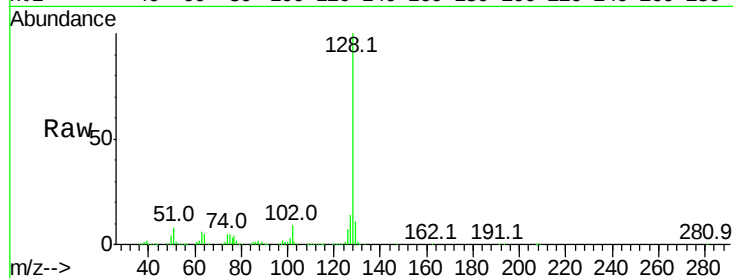
Tgt Ion:128 Resp: 1521357

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

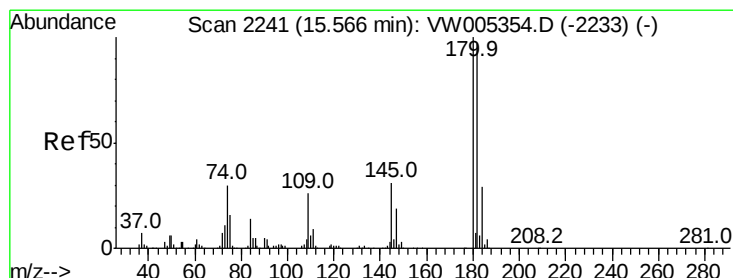
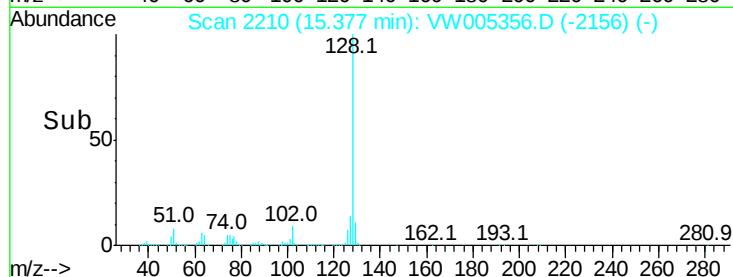
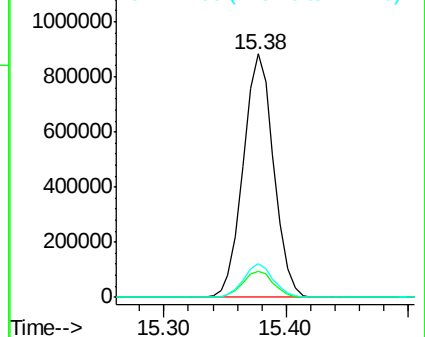
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 99.489 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005356.D

Acq: 13 Sep 2018 17:04

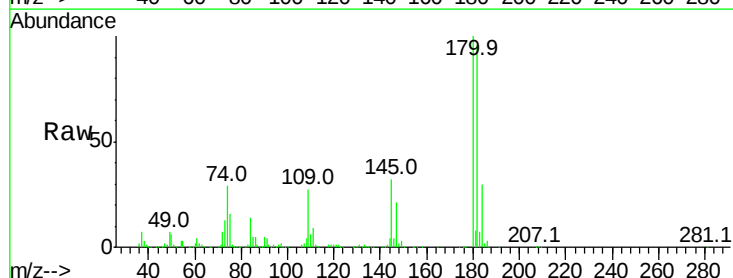
Tgt Ion:180 Resp: 595897

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

145 32.2 26.0 39.0



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

