

Data File : VW005355.D
Acq On : 13 Sep 2018 16:39
Operator : SY/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Sep 13 17:04:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 13 16:38:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	300036	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	286575	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	151467	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137987	29.36	ug/L	0.00
7) Chloroethane-d5	2.88	69	104482	30.01	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	272964	42.01	ug/L	0.00
20) 2-Butanone-d5	7.09	46	107276	85.28	ug/L	0.00
24) Chloroform-d	7.66	84	253163	38.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.32	65	158625	43.32	ug/L	0.00
29) Benzene-d6	8.29	84	548085	38.05	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	157816	37.52	ug/L	0.00
37) Toluene-d8	10.33	98	562409	39.01	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	80151	43.26	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	99620	95.96	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	164623	39.70	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	215260	36.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	315733	72.090 ug/L	99
3) Chloromethane	2.22	50	277321	57.491 ug/L	99
5) Vinyl chloride	2.36	62	264596	54.377 ug/L	100
6) Bromomethane	2.76	94	140142	51.795 ug/L	100
8) Chloroethane	2.92	64	140622	45.753 ug/L	97
9) Trichlorofluoromethane	3.26	101	335329	63.928 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	187432	52.391 ug/L	98
12) 1,1-Dichloroethene	4.04	96	160577	52.814 ug/L	92
13) Acetone	4.13	43	90624	99.584 ug/L	99
14) Carbon disulfide	4.38	76	620557	57.718 ug/L	99
15) Methyl Acetate	4.68	43	117340	56.694 ug/L	99
16) Methylene chloride	4.93	84	210620	40.741 ug/L	98
17) Methyl tert-butyl Ether	5.44	73	473012	62.438 ug/L	100
18) trans-1,2-Dichloroethene	5.44	96	176675	51.562 ug/L	97
19) 1,1-Dichloroethane	6.23	63	321490	55.596 ug/L	97
21) 2-Butanone	7.18	43	154875	117.507 ug/L	97
22) cis-1,2-Dichloroethene	7.18	96	189228	52.183 ug/L	95
23) Bromochloromethane	7.52	128	84785	48.298 ug/L	97
25) Chloroform	7.68	83	336887	55.459 ug/L	100
27) 1,2-Dichloroethane	8.41	62	262570	65.591 ug/L	97
30) Cyclohexane	7.96	56	372040	72.725 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	341644	67.492 ug/L	99
32) Carbon tetrachloride	8.08	117	320090	69.817 ug/L	99
34) Benzene	8.34	78	835476	58.547 ug/L	100
35) Trichloroethene	9.10	95	219433	60.271 ug/L	98
36) Methylcyclohexane	9.34	83	406416	66.170 ug/L	98
40) 1,2-Dichloropropane	9.38	63	204714	58.643 ug/L	99
41) Bromodichloromethane	9.65	83	261880	62.326 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	315643	61.663 ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	384707	148.293 ug/L	100

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QLast Update : Thu Sep 13 16:38:20 2018
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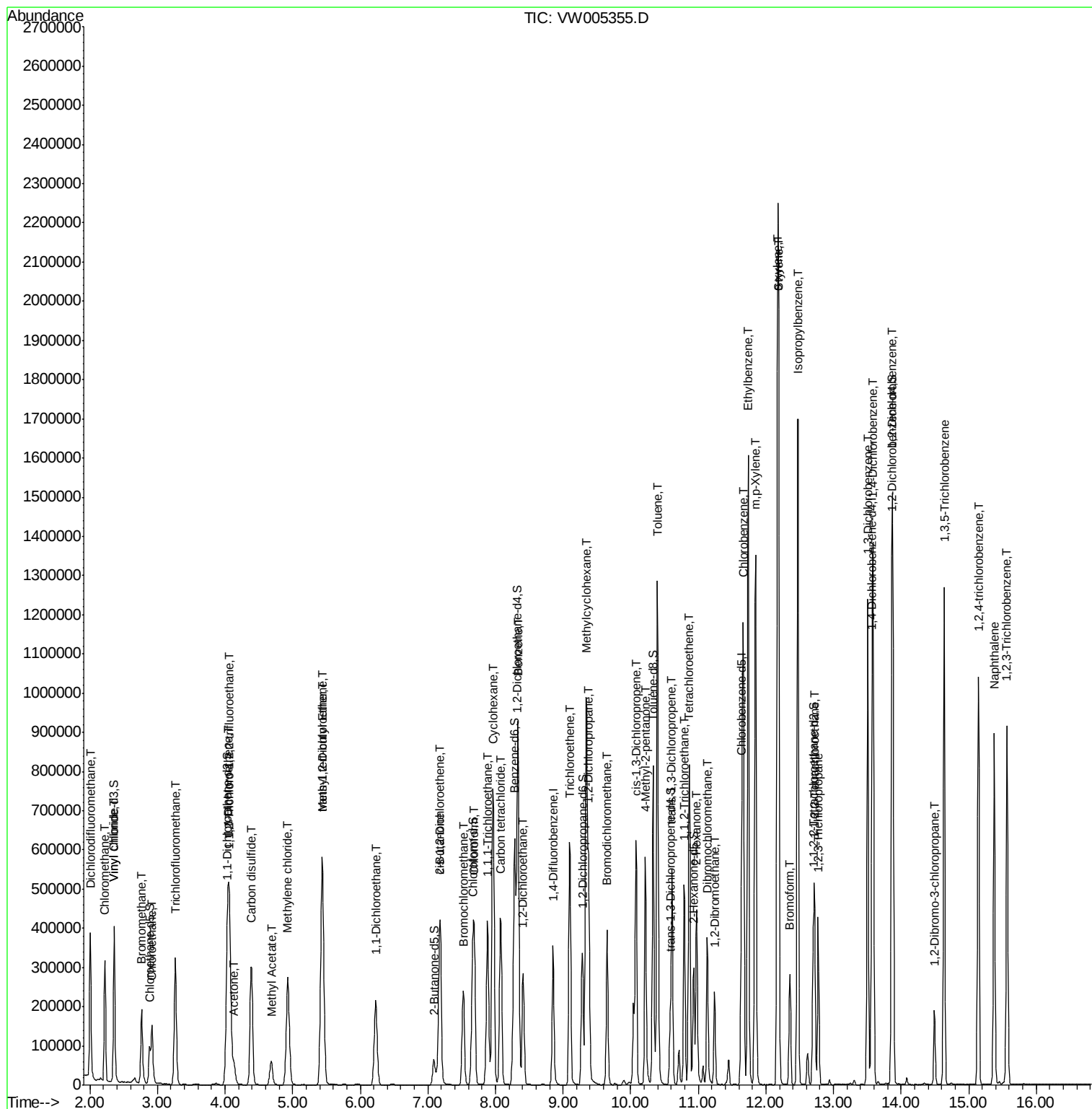
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	967038	59.484	ug/L	98
45) trans-1,3-Dichloropropene	10.62	75	292820	64.809	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	156860	53.767	ug/L	99
47) Tetrachloroethene	10.87	164	195966	56.998	ug/L	99
49) 2-Hexanone	10.98	43	288334	153.509	ug/L	100
50) Dibromochloromethane	11.13	129	193881	59.697	ug/L	98
51) 1,2-Dibromoethane	11.24	107	154850	56.087	ug/L	98
52) Chlorobenzene	11.66	112	604155	54.234	ug/L	96
53) Ethylbenzene	11.74	91	1114727	60.882	ug/L	98
54) m,p-Xylene	11.85	106	417526	57.536	ug/L	99
55) o-xylene	12.17	106	396522	58.817	ug/L	98
56) Styrene	12.19	104	690864	59.447	ug/L	98
57) Isopropylbenzene	12.48	105	1118653	62.532	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	213548	55.123	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	178117	58.817	ug/L	100
62) Bromoform	12.35	173	132620	60.898	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	493067	55.537	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	504665	53.596	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	465717	53.803	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	47418	67.619	ug/L	90
67) 1,3,5-Trichlorobenzene	14.64	180	394857	54.782	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	335032	57.567	ug/L	100
69) Naphthalene	15.38	128	755816	64.438	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	317826	58.074	ug/L	98

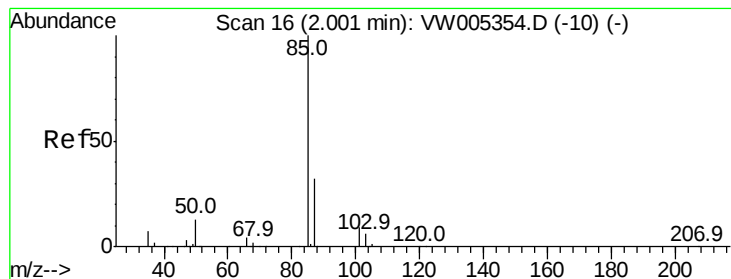
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 72.090 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

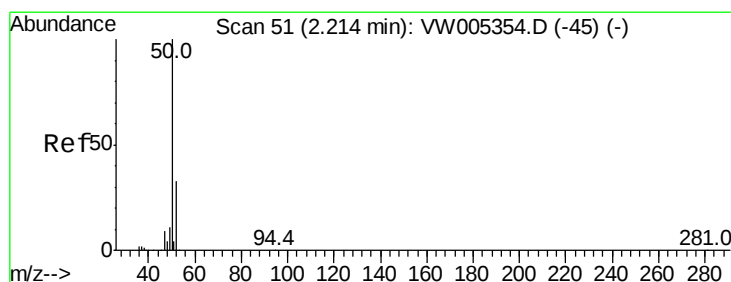
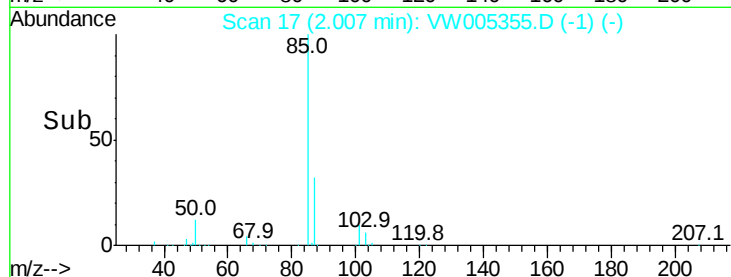
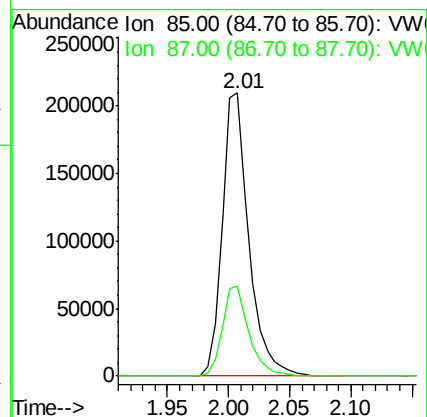
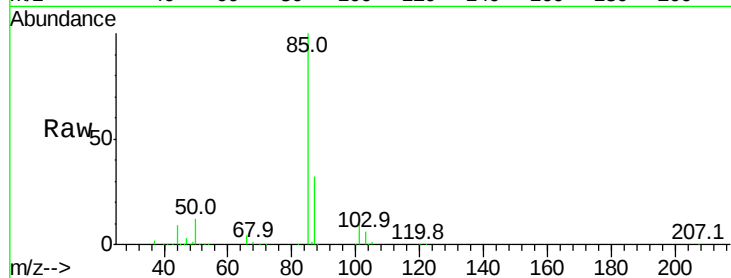
VSTD05084

Tgt Ion: 85 Resp: 315733

Ion Ratio Lower Upper

85 100

87 32.2 22.7 42.3



#3

Chloromethane

Concen: 57.491 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005355.D

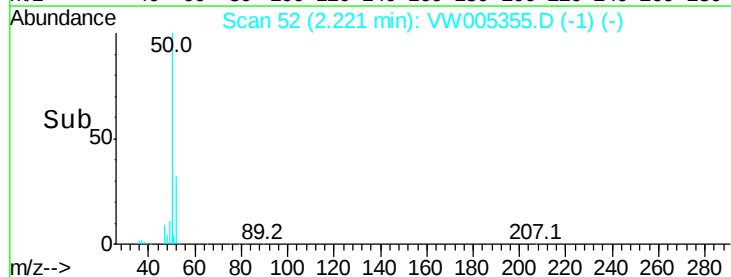
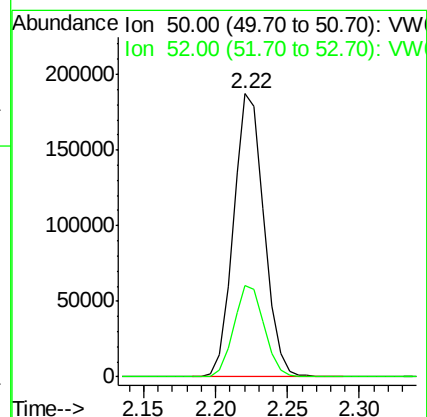
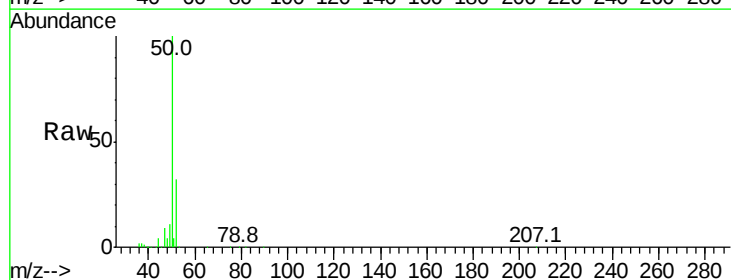
Acq: 13 Sep 2018 16:39

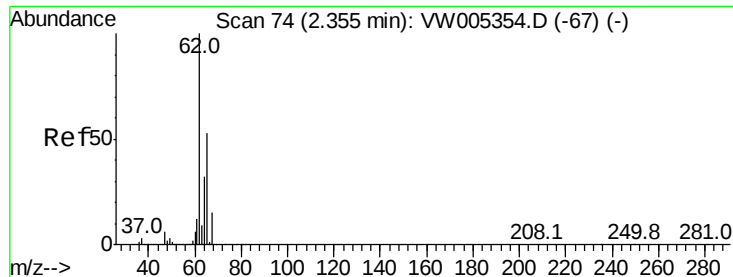
Tgt Ion: 50 Resp: 277321

Ion Ratio Lower Upper

50 100

52 32.4 22.9 42.5





#5

Vinyl chloride

Concen: 54.377 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

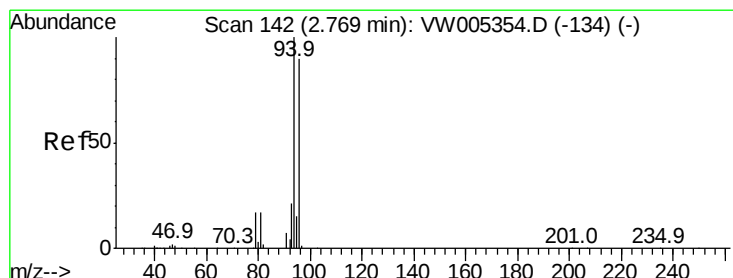
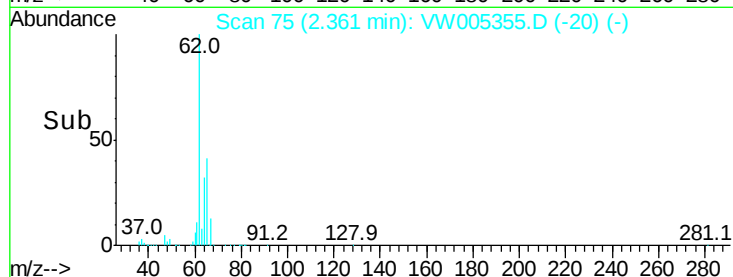
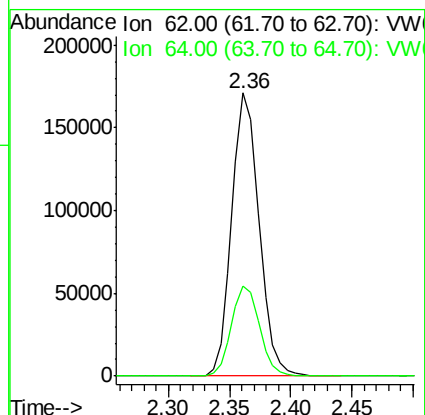
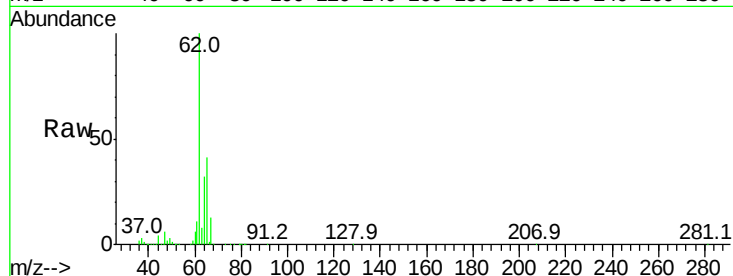
VSTD05084

Tgt Ion: 62 Resp: 264596

Ion Ratio Lower Upper

62 100

64 32.0 22.4 41.6



#6

Bromomethane

Concen: 51.795 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW005355.D

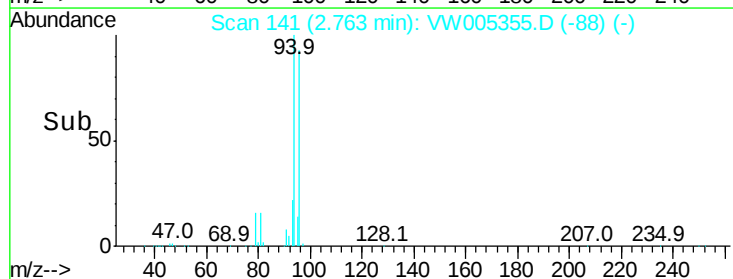
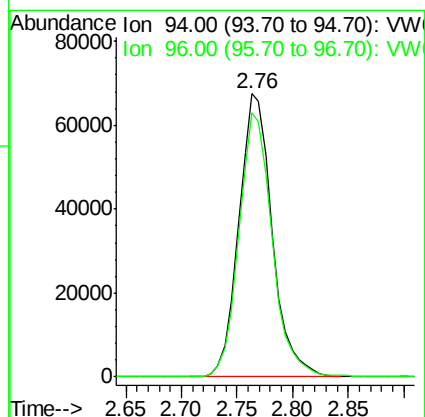
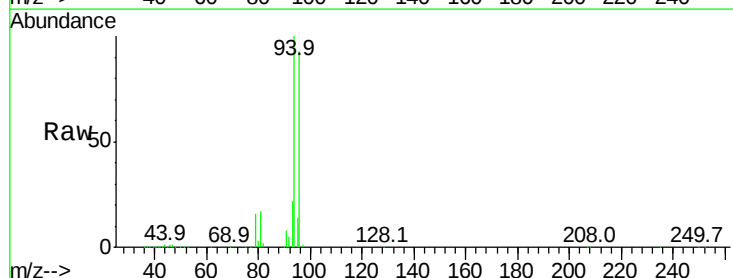
Acq: 13 Sep 2018 16:39

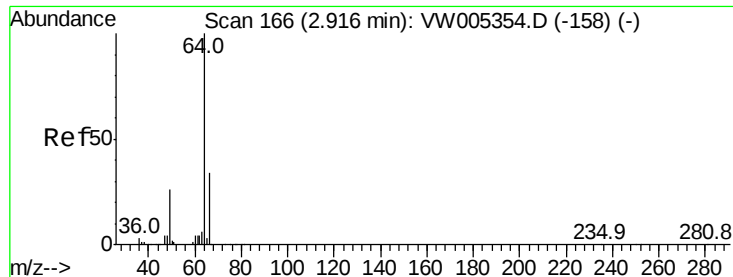
Tgt Ion: 94 Resp: 140142

Ion Ratio Lower Upper

94 100

96 92.8 9.3 176.3





#8

Chloroethane

Concen: 45.753 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

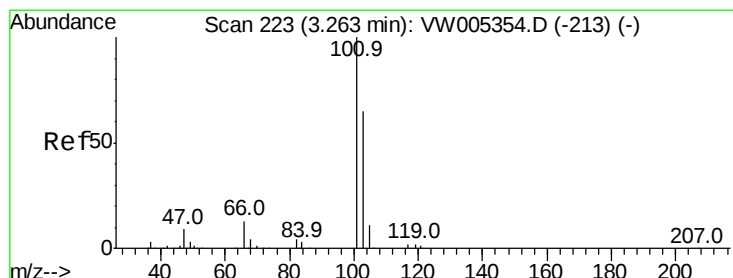
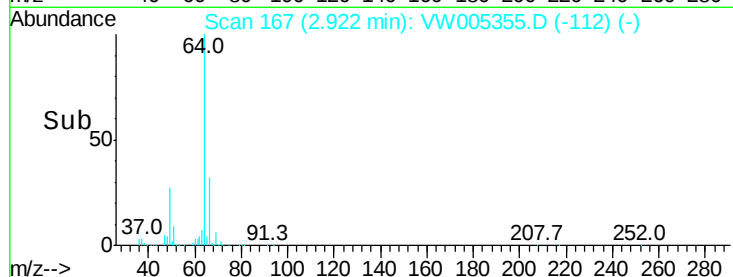
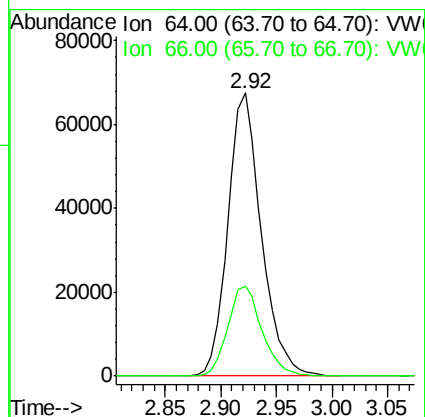
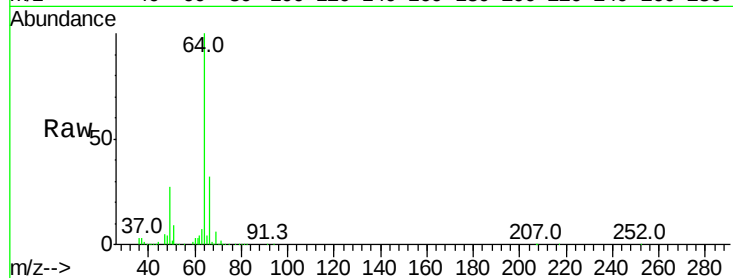
VSTD05084

Tgt Ion: 64 Resp: 140622

Ion Ratio Lower Upper

64 100

66 31.8 23.7 43.9



#9

Trichlorofluoromethane

Concen: 63.928 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW005355.D

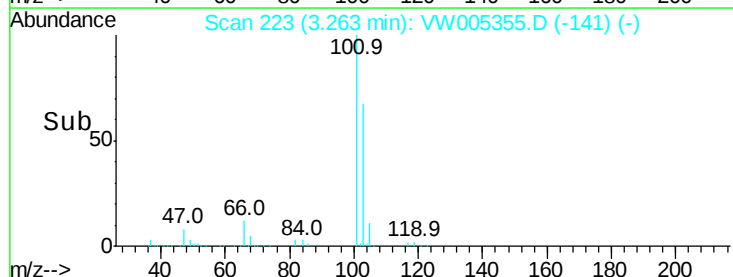
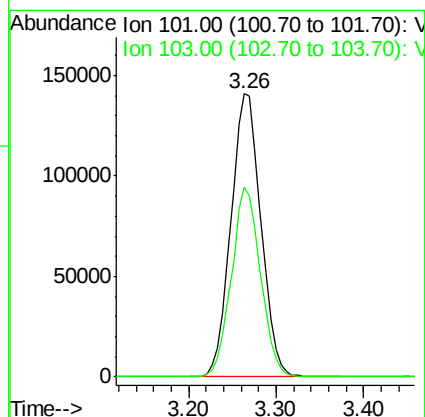
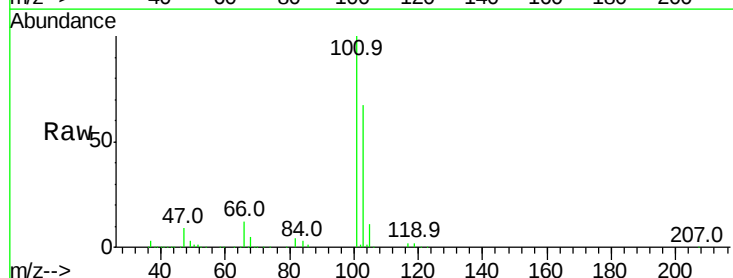
Acq: 13 Sep 2018 16:39

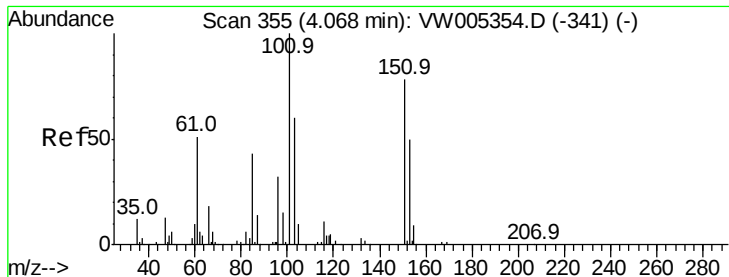
Tgt Ion: 101 Resp: 335329

Ion Ratio Lower Upper

101 100

103 65.0 44.9 83.5





#11

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

Concen: 52.391 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

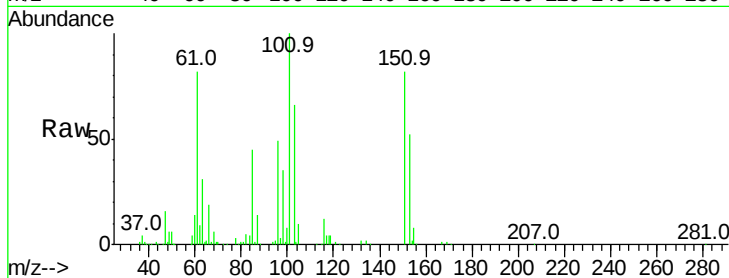
Tgt Ion:101 Resp: 187432

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.8

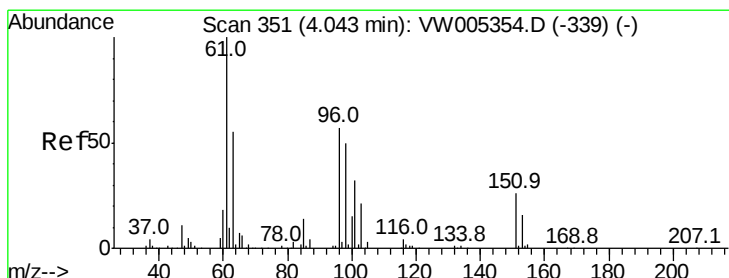
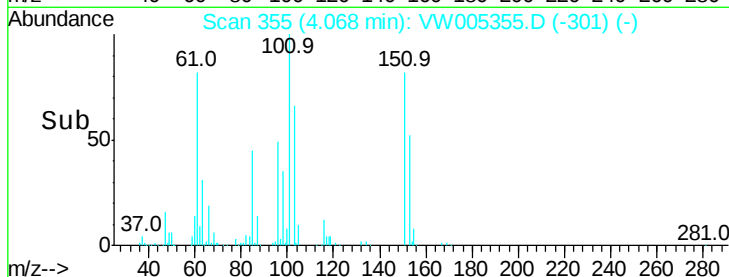
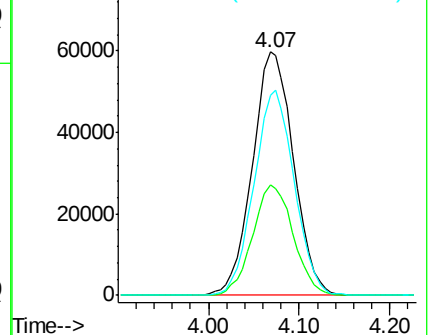
151 82.0 63.9 95.9



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: 52.814 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

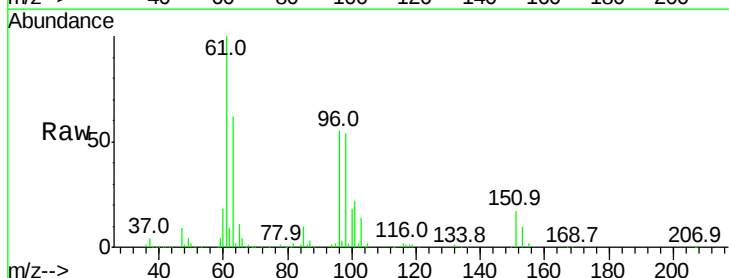
Tgt Ion: 96 Resp: 160577

Ion Ratio Lower Upper

96 100

61 182.2 123.3 229.1

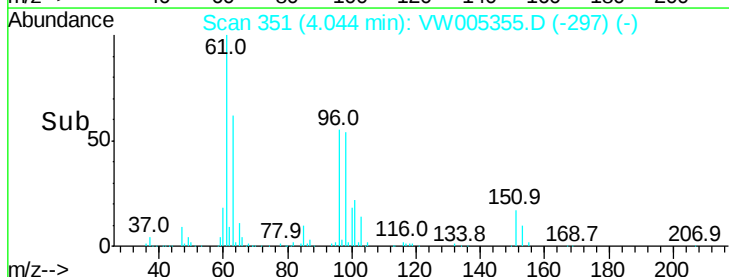
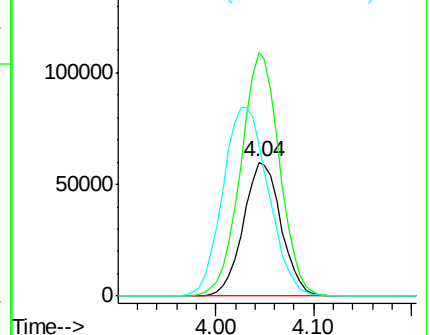
63 113.8 69.4 128.8

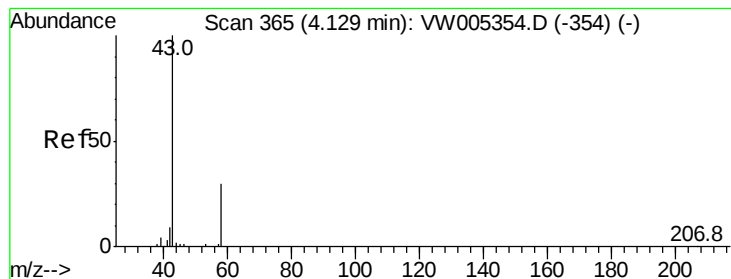


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 99.584 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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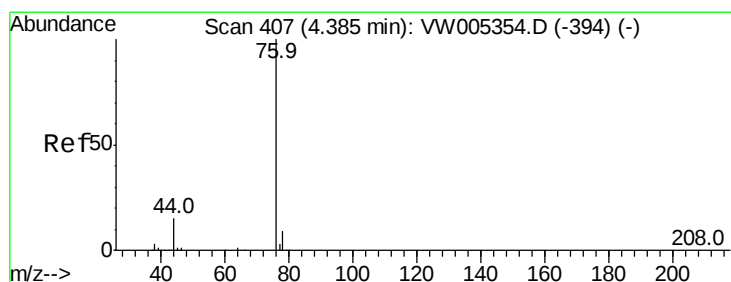
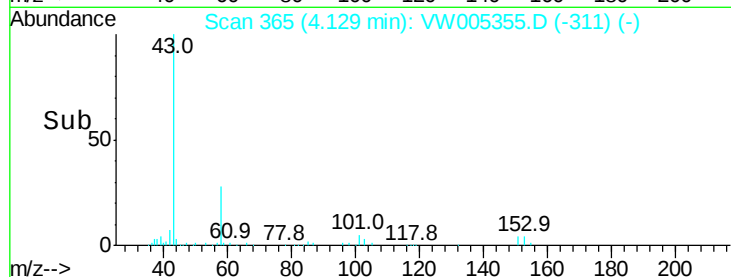
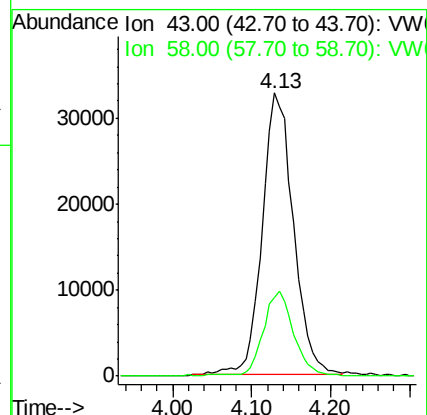
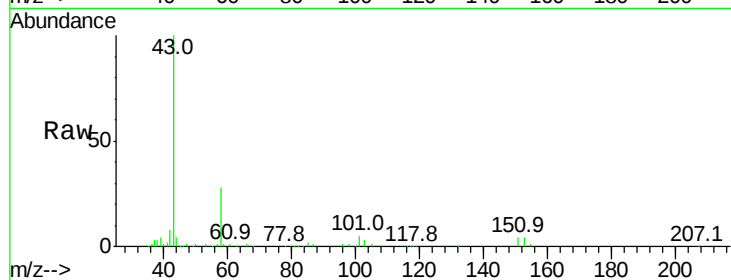
VSTD05084

Tgt Ion: 43 Resp: 90624

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.6



#14

Carbon disulfide

Concen: 57.718 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005355.D

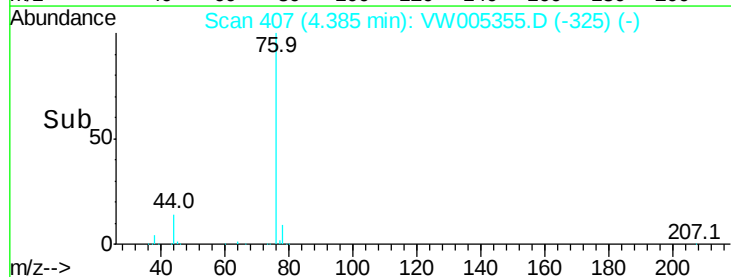
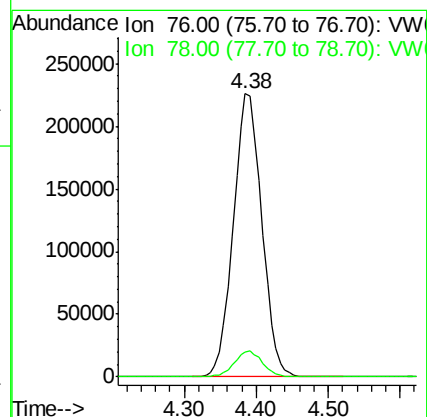
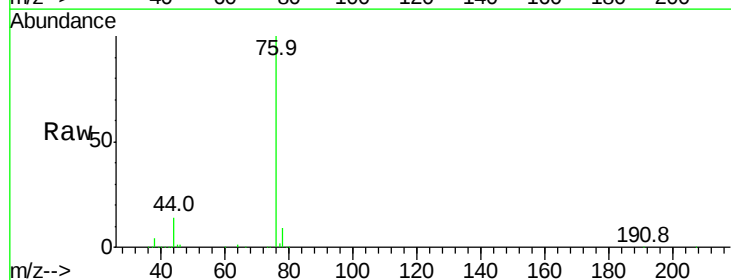
Acq: 13 Sep 2018 16:39

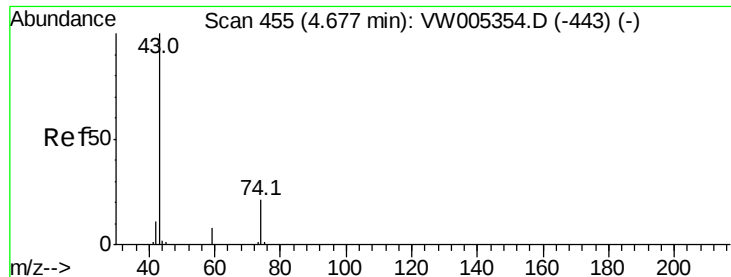
Tgt Ion: 76 Resp: 620557

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

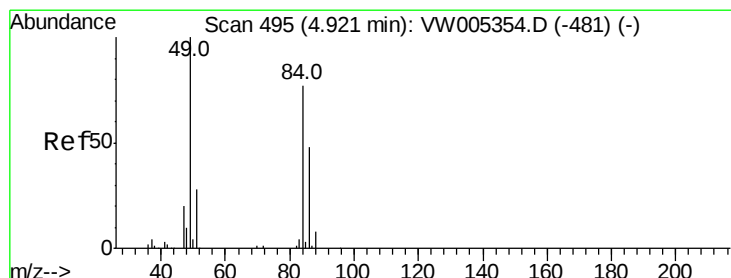
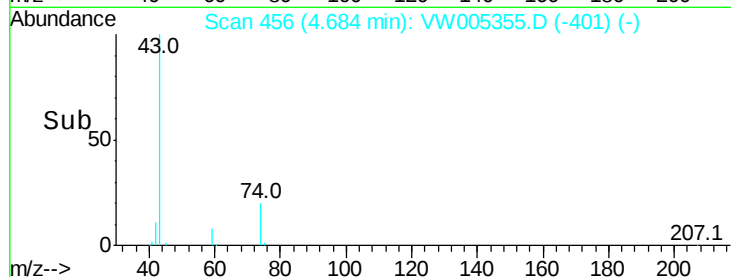
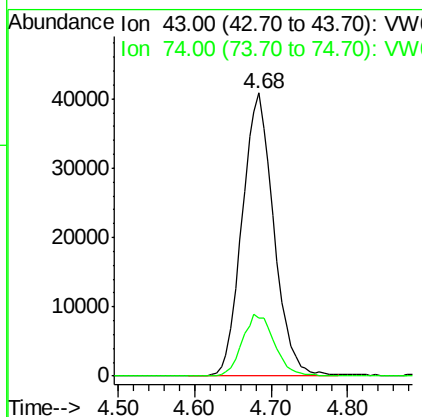
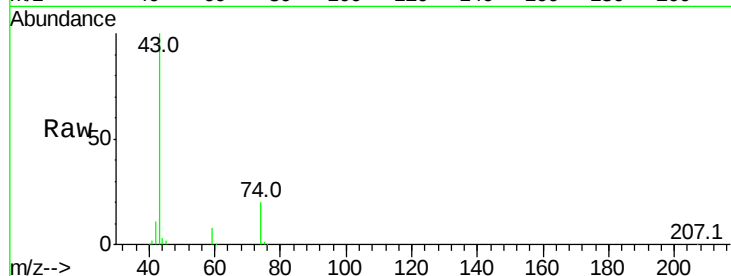




#15
Methyl Acetate
Concen: 56.694 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

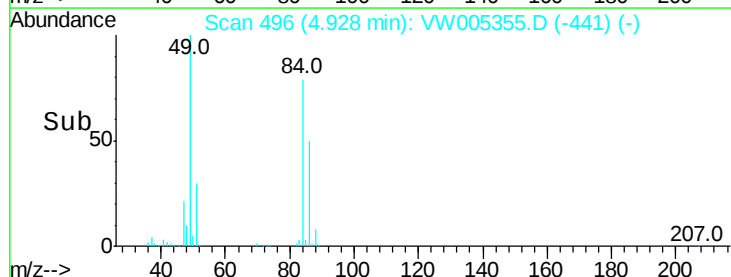
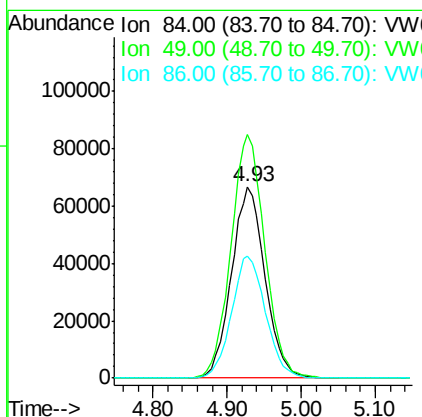
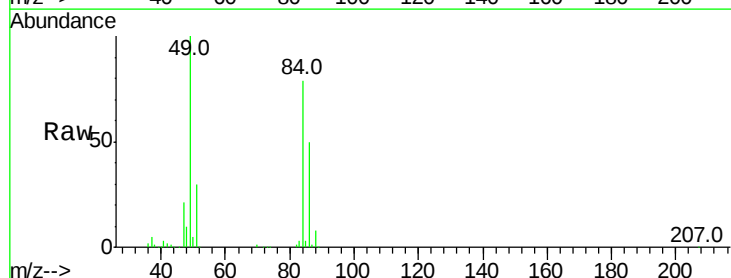
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

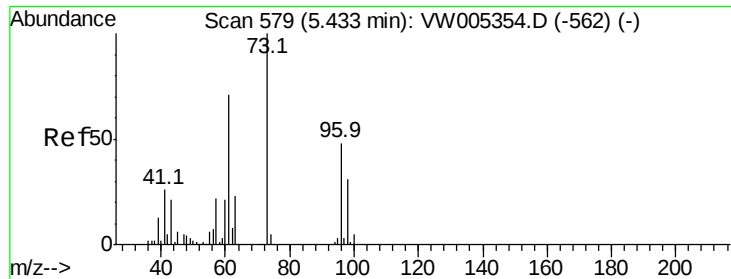
Tgt Ion: 43 Resp: 117340
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#16
Methylene chloride
Concen: 40.741 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Tgt Ion: 84 Resp: 210620
Ion Ratio Lower Upper
84 100
49 127.3 90.9 168.7
86 63.8 43.6 81.0





#17

Methyl tert-butyl Ether

Concen: 62.438 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

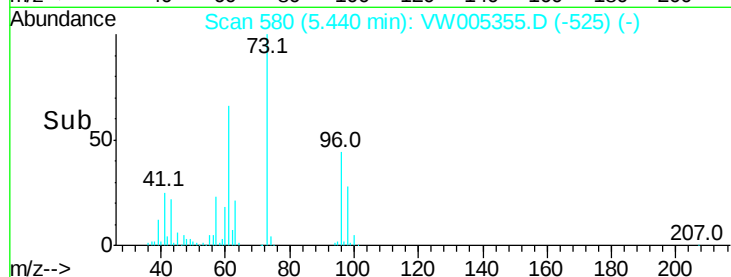
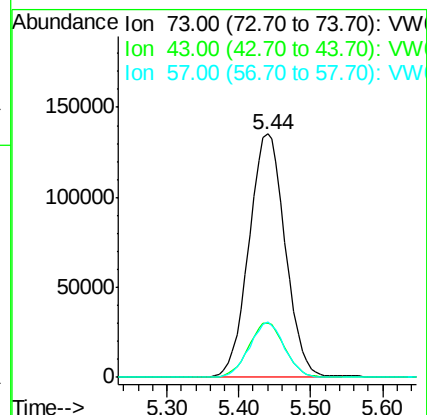
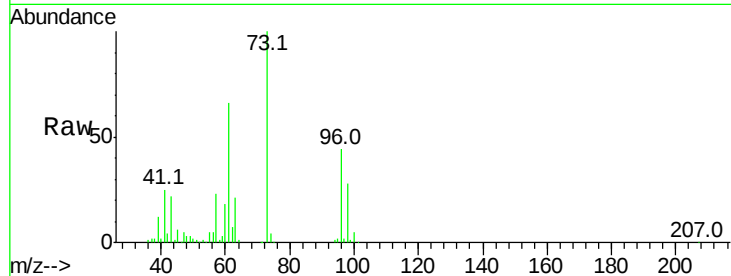
Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :
MSVOA_W
ClientSampled :
VSTD05084

Tgt Ion: 73 Resp: 473012

Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.7	26.5
57	22.1	17.8	26.6



#18

trans-1,2-Dichloroethene

Concen: 51.562 ug/L

RT: 5.44 min Scan# 580

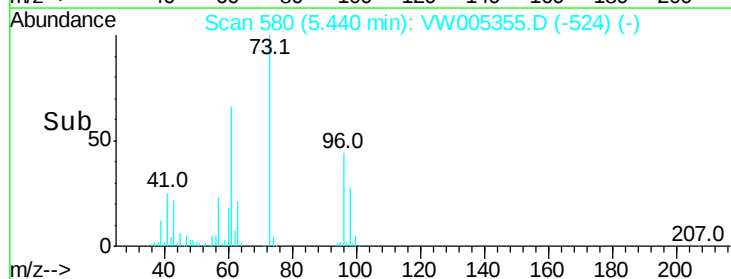
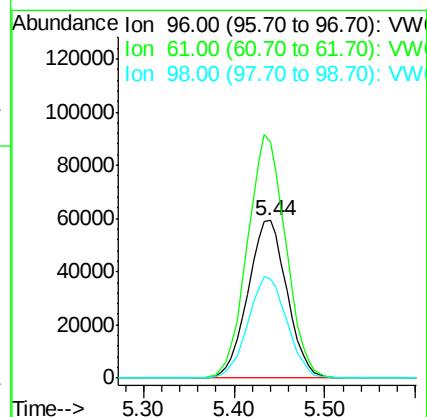
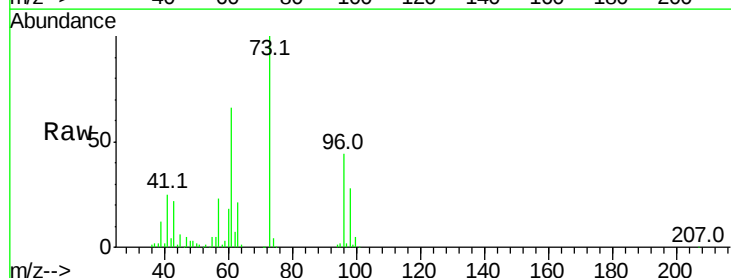
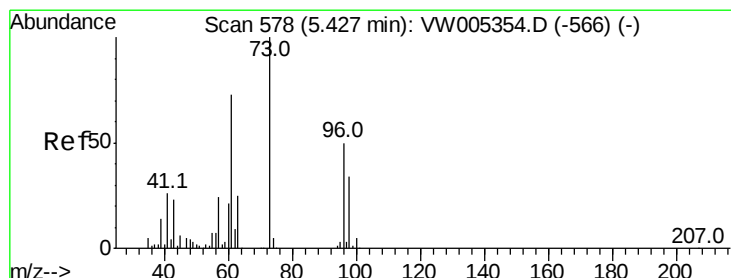
Delta R.T. 0.01 min

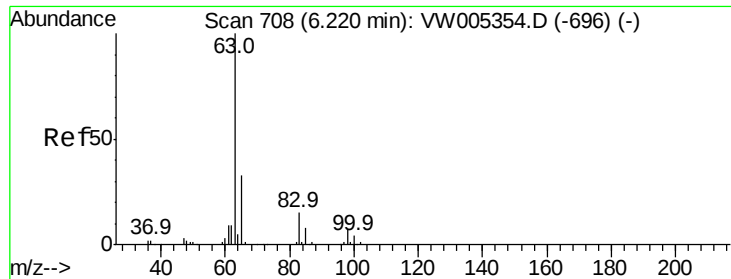
Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Tgt Ion: 96 Resp: 176675

Ion	Ratio	Lower	Upper
96	100		
61	150.1	103.0	191.2
98	63.3	47.2	87.6

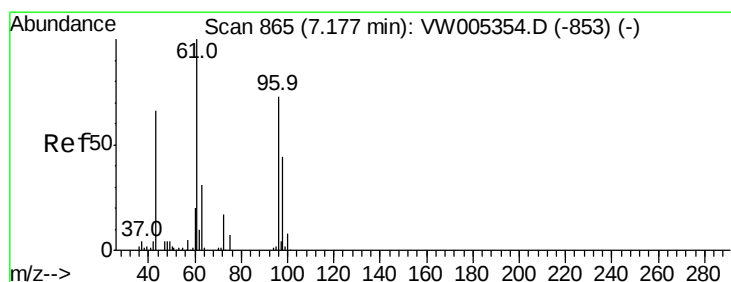
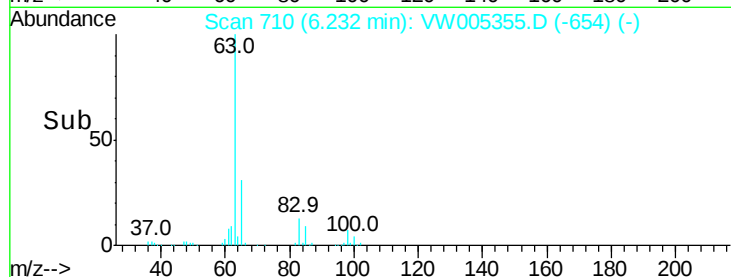
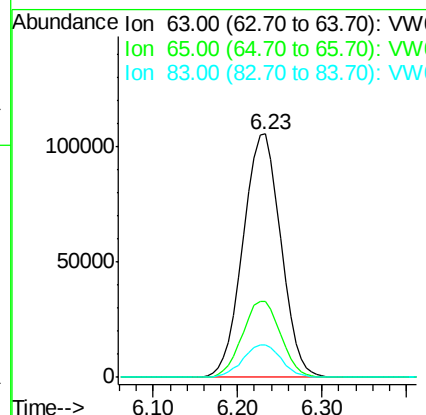
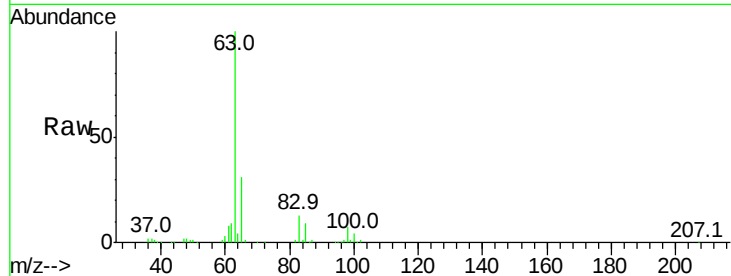




#19
 1,1-Dichloroethane
 Concen: 55.596 ug/L
 RT: 6.23 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

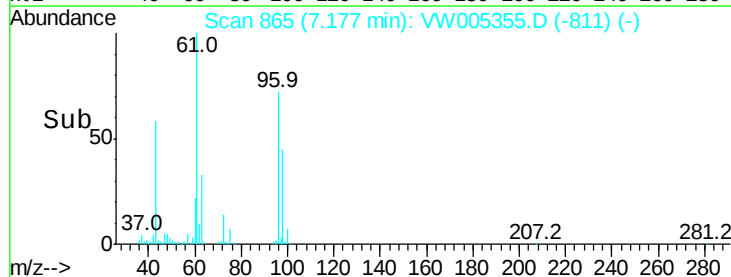
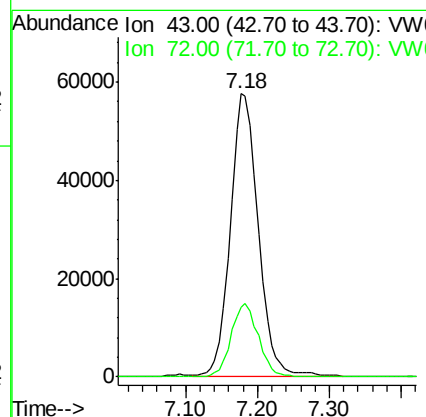
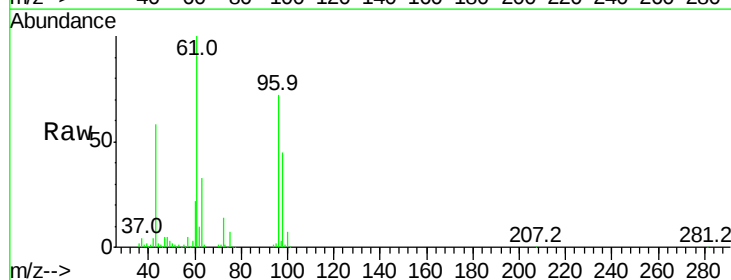
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

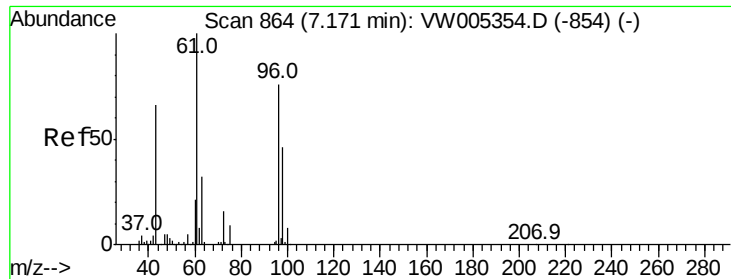
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.9	42.5
83	13.3	10.4	19.2



#21
 2-Butanone
 Concen: 117.507 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	11.8	35.4



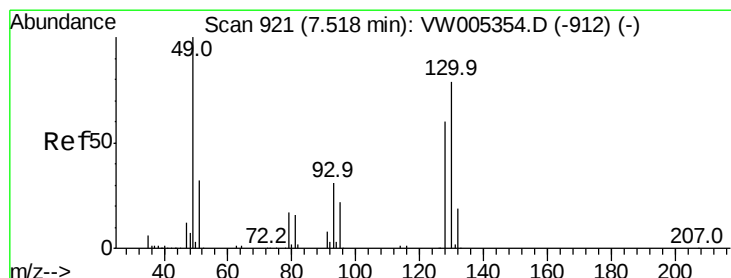
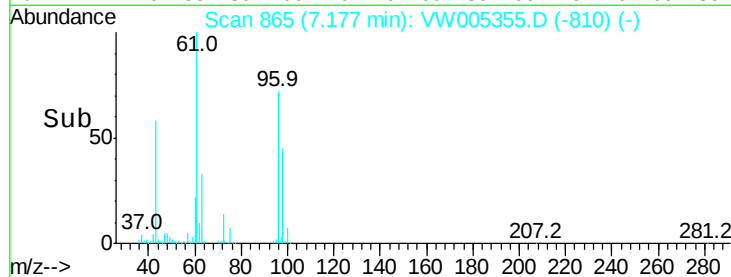
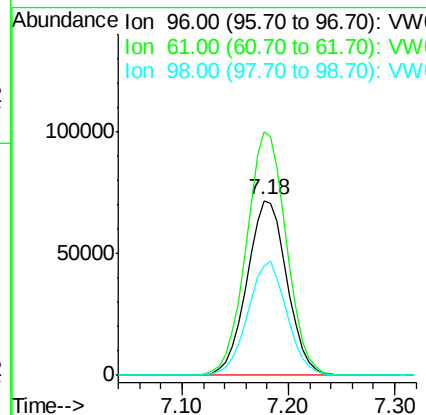
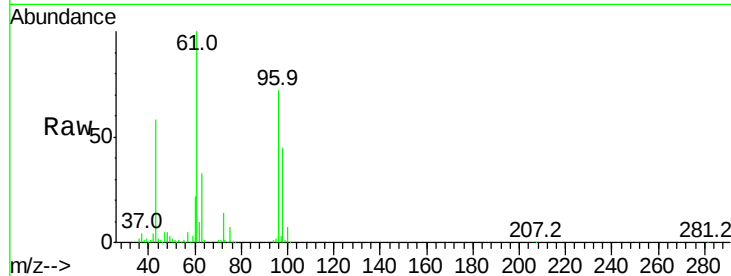


#22

cis-1,2-Dichloroethene
Concen: 52.183 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

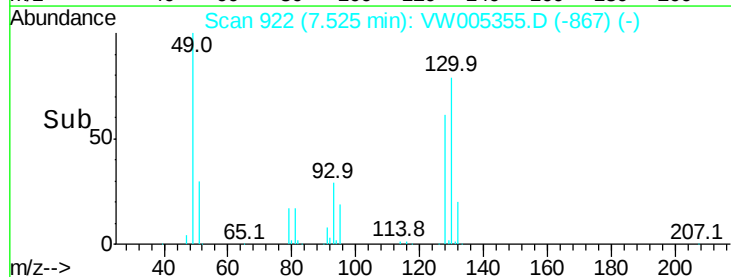
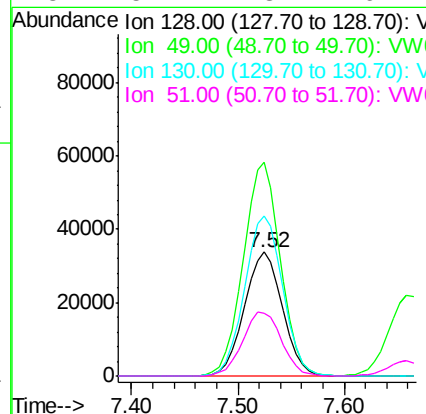
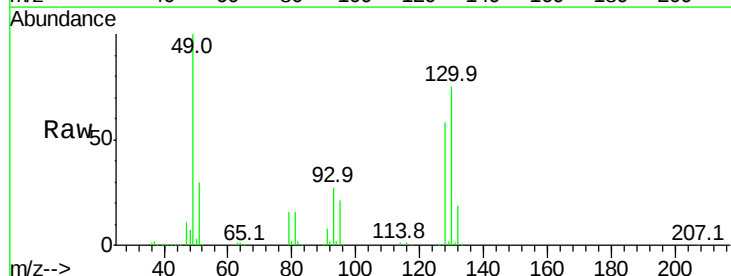
Tgt Ion: 96 Resp: 189228
Ion Ratio Lower Upper
96 100
61 139.5 93.1 172.9
98 62.8 42.4 78.6

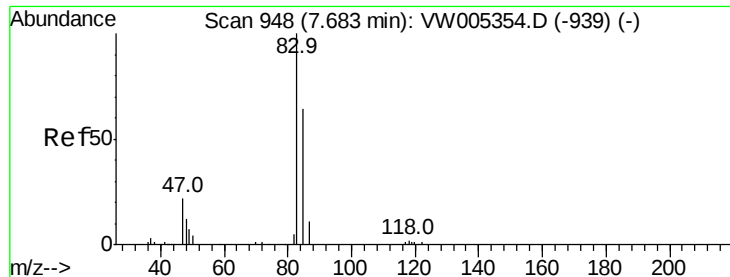


#23

Bromochloromethane
Concen: 48.298 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Tgt Ion: 128 Resp: 84785
Ion Ratio Lower Upper
128 100
49 172.2 118.2 219.6
130 129.5 92.8 172.4
51 51.1 43.1 64.7





#25

Chloroform

Concen: 55.459 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

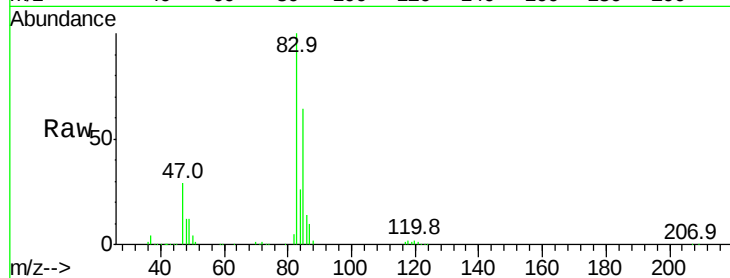
VSTD05084

Tgt Ion: 83 Resp: 336887

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

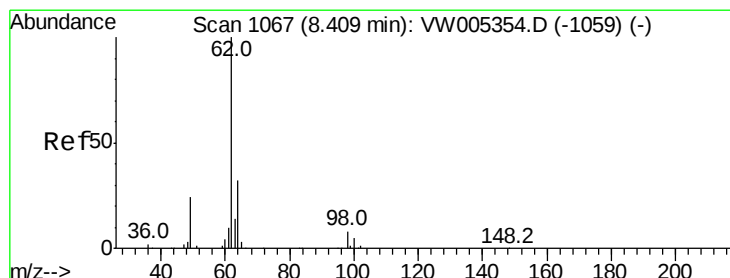
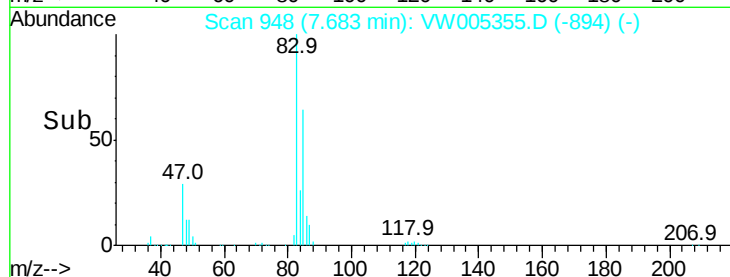
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 65.591 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VW005355.D

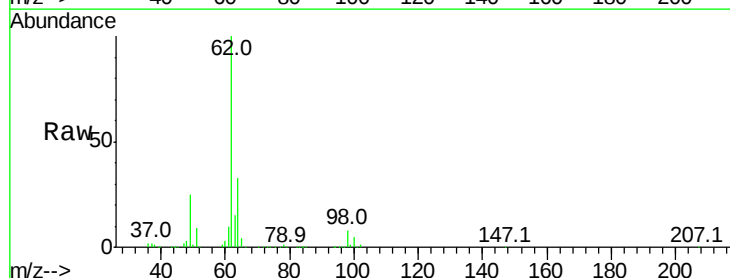
Acq: 13 Sep 2018 16:39

Tgt Ion: 62 Resp: 262570

Ion Ratio Lower Upper

62 100

98 8.4 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

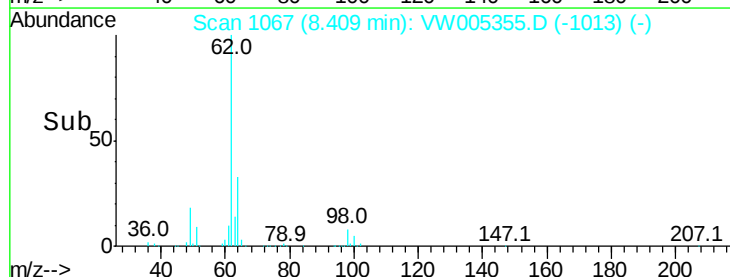
8.41

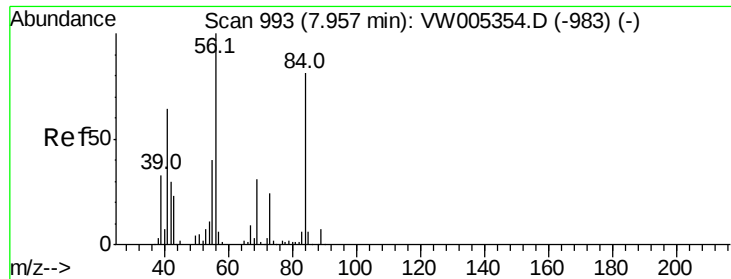
100000

50000

0

Time-->

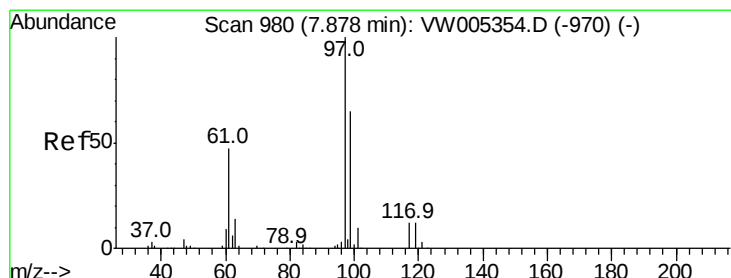
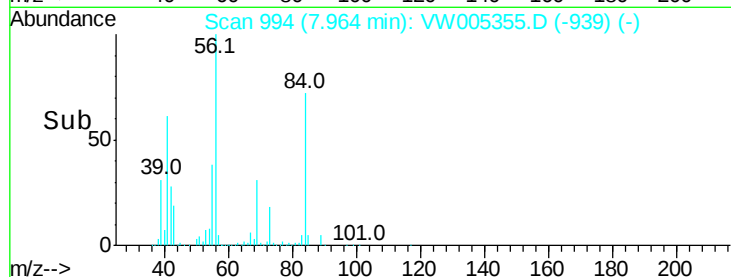
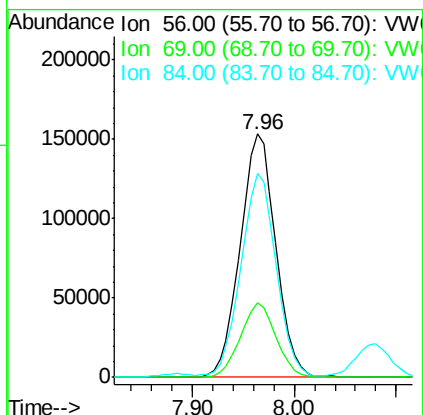
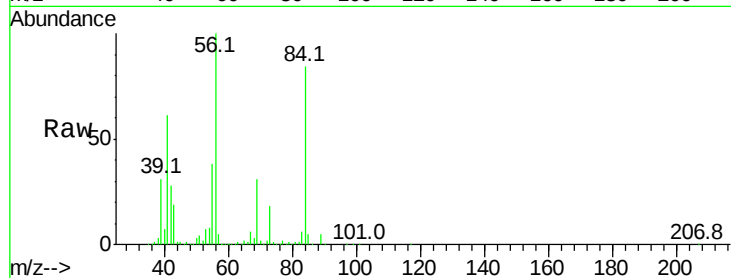




#30
Cyclohexane
Concen: 72.725 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

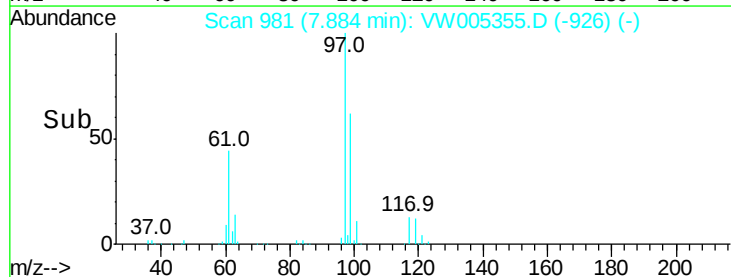
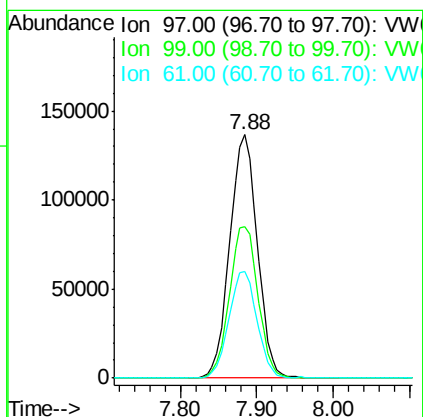
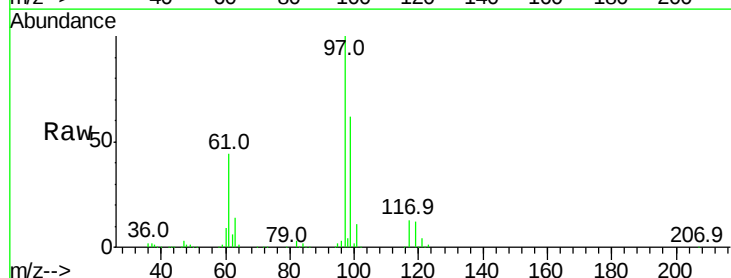
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

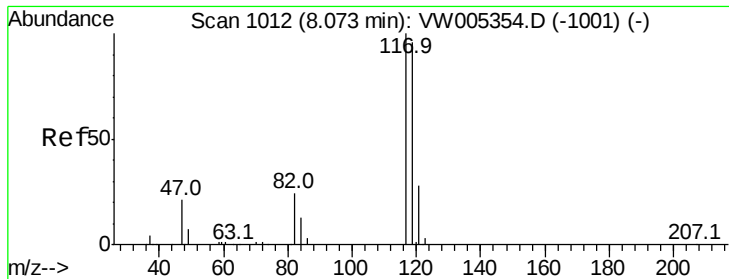
Tgt Ion: 56 Resp: 372040
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 83.4 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 67.492 ug/L
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Tgt Ion: 97 Resp: 341644
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 44.4 37.0 55.6



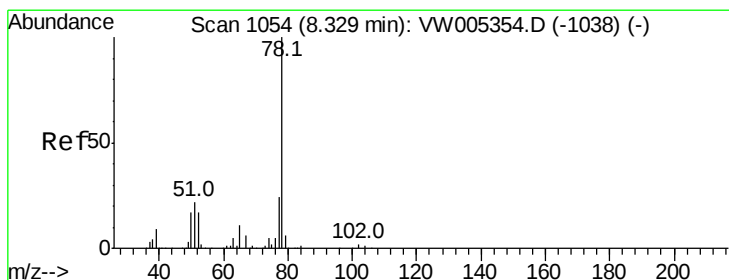
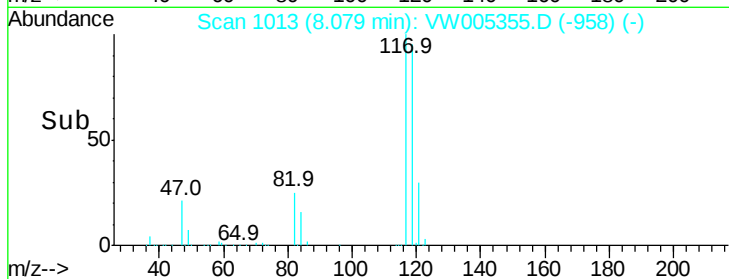
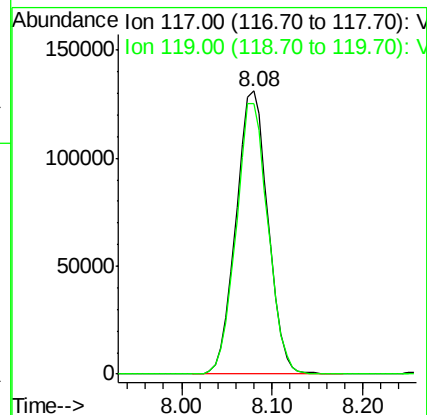
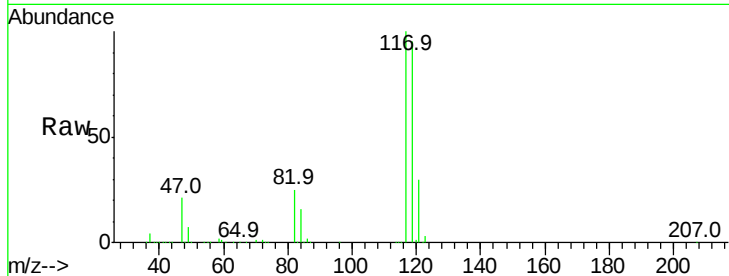


#32

Carbon tetrachloride
Concen: 69.817 ug/L
RT: 8.08 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

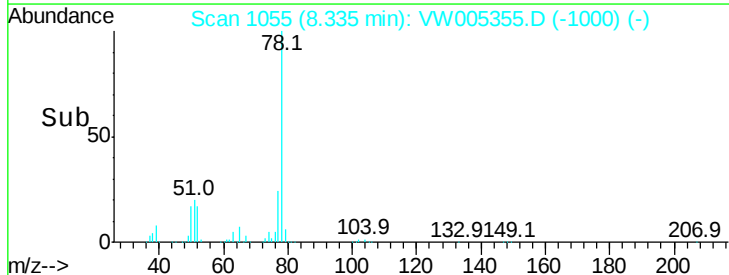
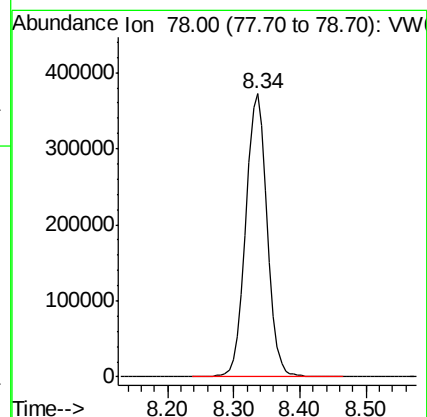
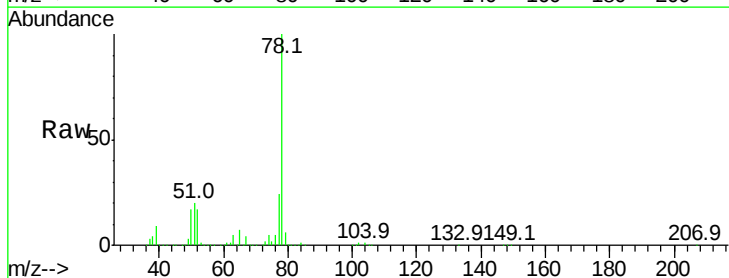
Tgt Ion:117 Resp: 320090
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.6

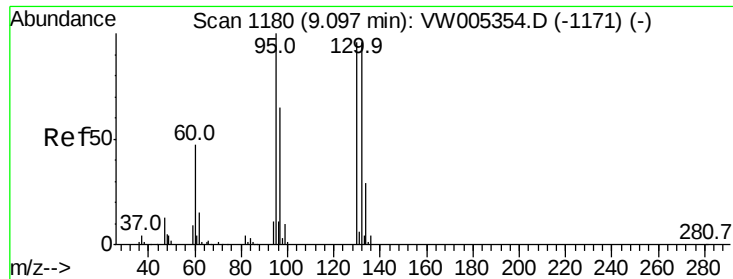


#34

Benzene
Concen: 58.547 ug/L
RT: 8.34 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Tgt Ion: 78 Resp: 835476

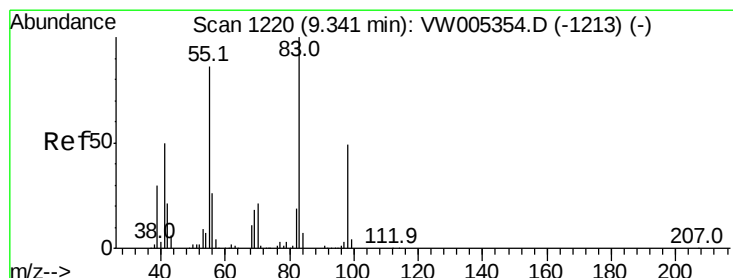
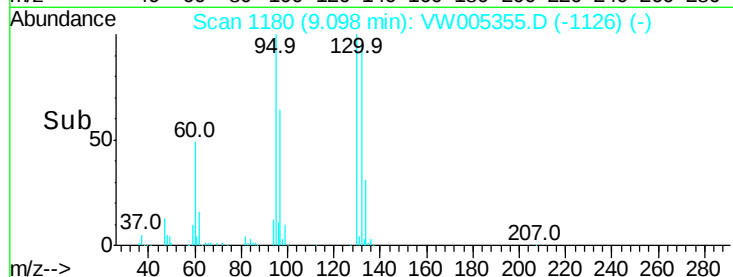
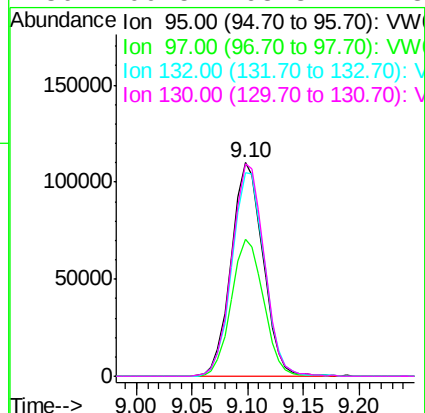
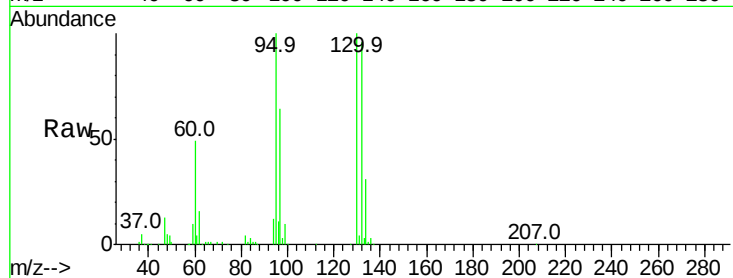




#35
 Trichloroethene
 Concen: 60.271 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

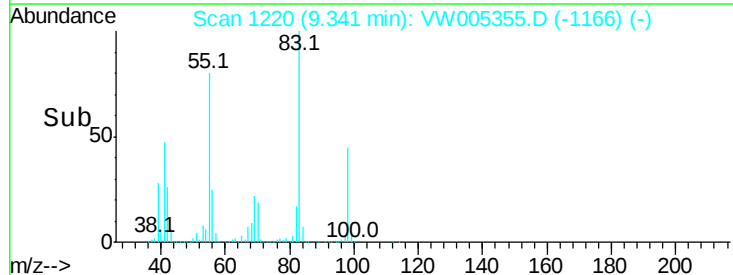
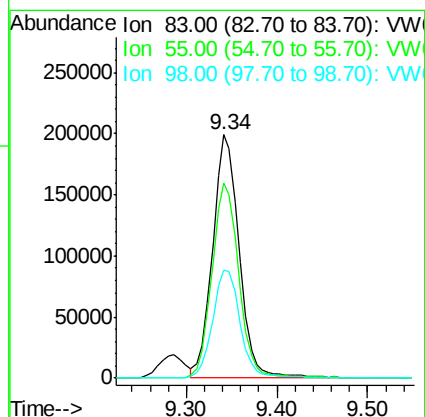
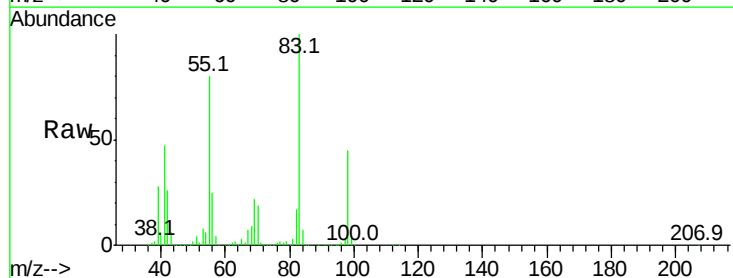
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

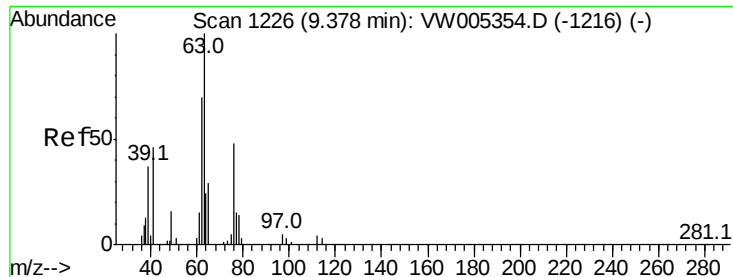
Tgt Ion:	95	Resp:	219433
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.0	83.6
132	97.3	67.2	124.8
130	100.5	68.8	127.8



#36
 Methylcyclohexane
 Concen: 66.170 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

Tgt Ion:	83	Resp:	406416
Ion	Ratio	Lower	Upper
83	100		
55	80.4	66.4	99.6
98	46.0	37.3	55.9

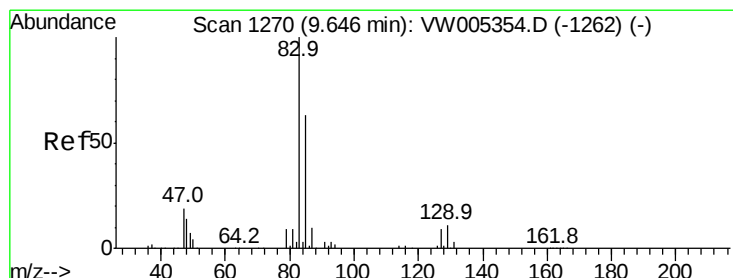
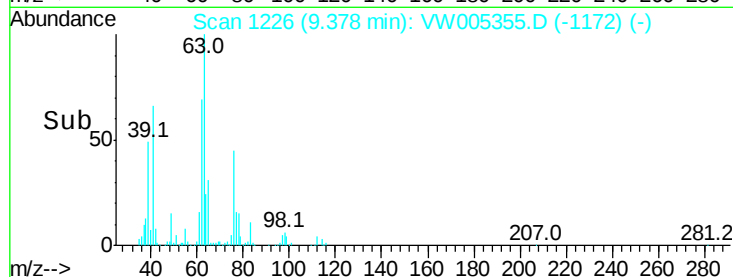
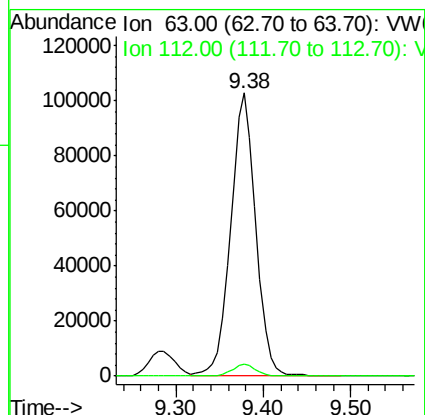
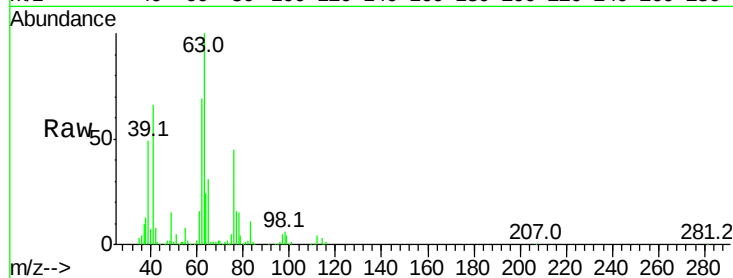




#40
 1,2-Dichloropropane
 Concen: 58.643 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

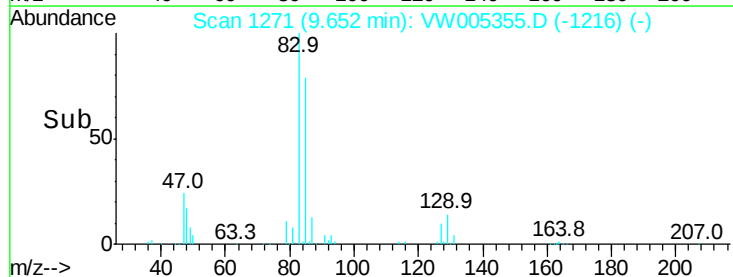
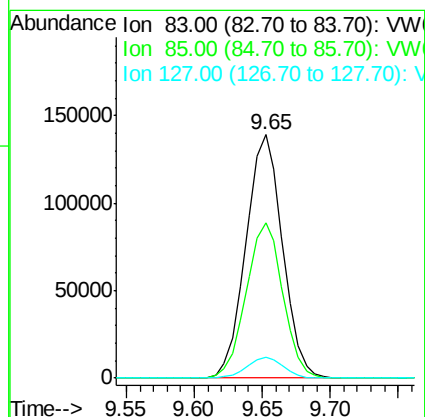
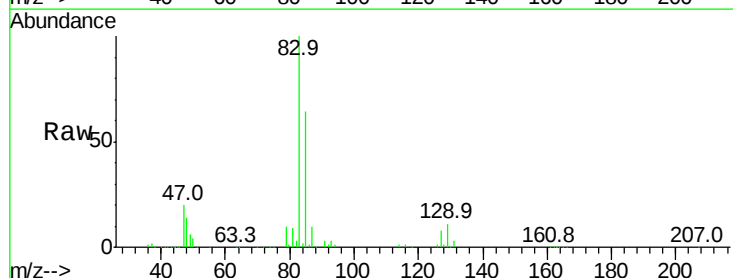
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

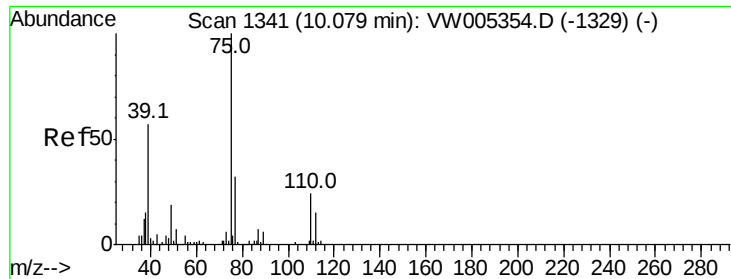
Tgt Ion: 63 Resp: 204714
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#41
 Bromodichloromethane
 Concen: 62.326 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

Tgt Ion: 83 Resp: 261880
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.0 81.6
 127 8.5 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 61.663 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

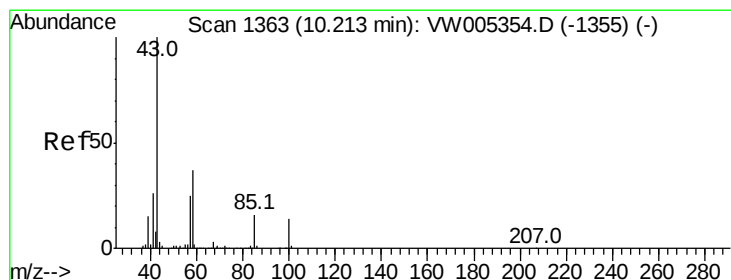
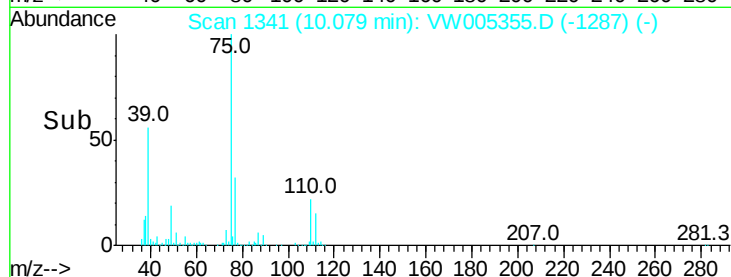
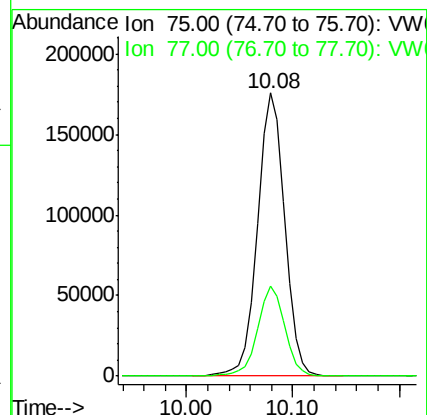
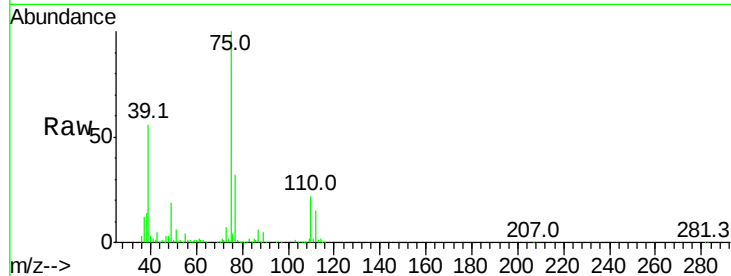
VSTD05084

Tgt Ion: 75 Resp: 315643

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 148.293 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

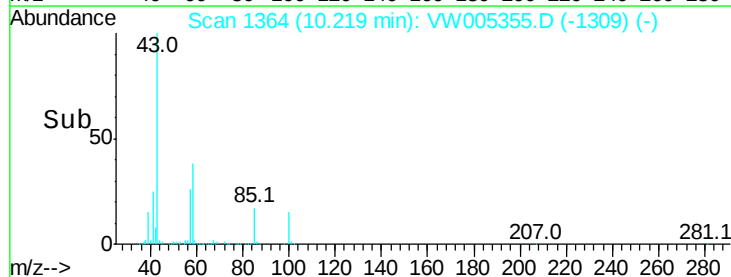
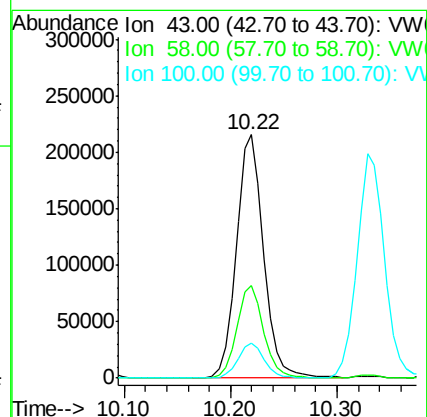
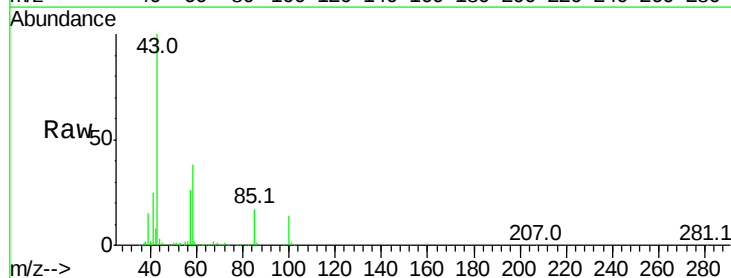
Tgt Ion: 43 Resp: 384707

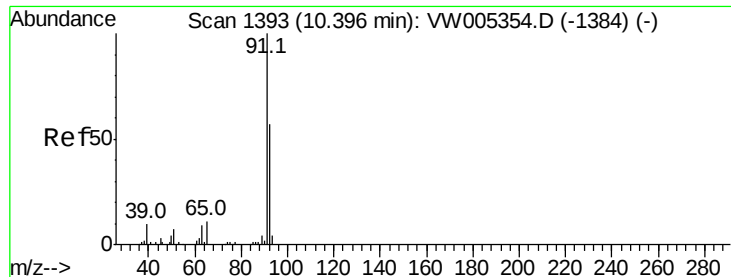
Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.8

100 14.0 11.4 17.0





#44

Toluene

Concen: 59.484 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

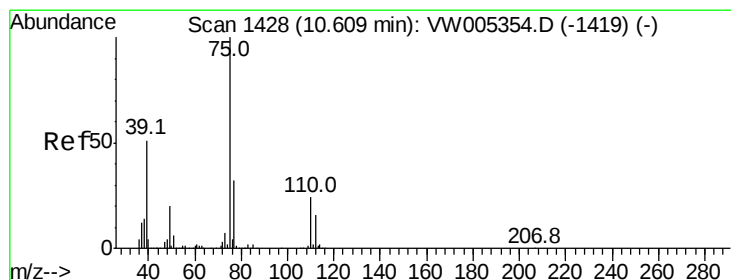
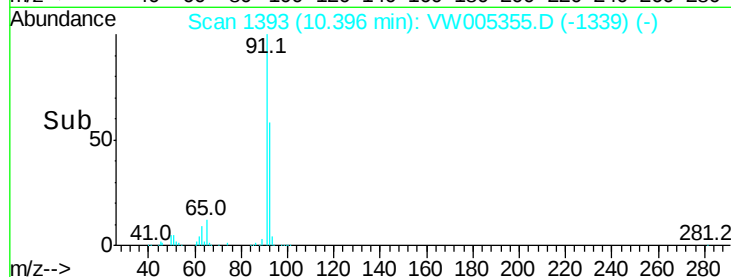
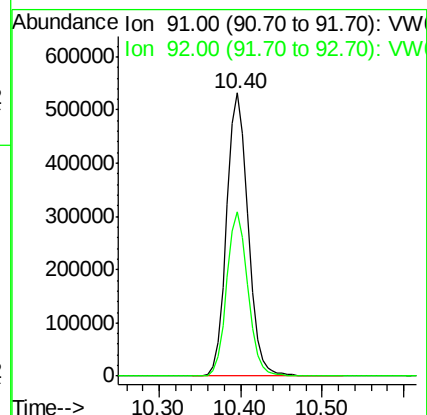
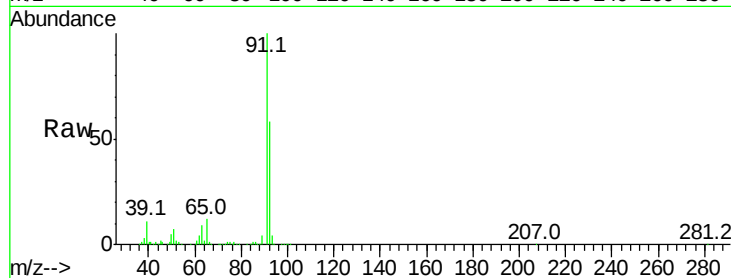
VSTD05084

Tgt Ion: 91 Resp: 967038

Ion Ratio Lower Upper

91 100

92 58.3 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 64.809 ug/L

RT: 10.62 min Scan# 1429

Delta R.T. 0.01 min

Lab File: VW005355.D

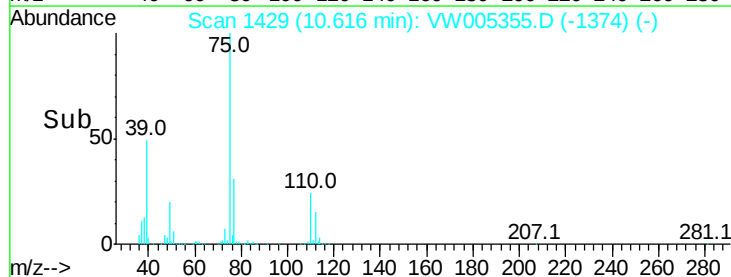
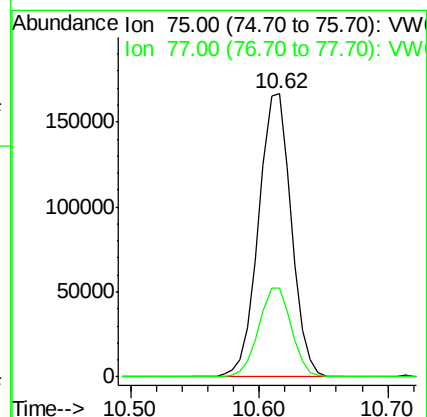
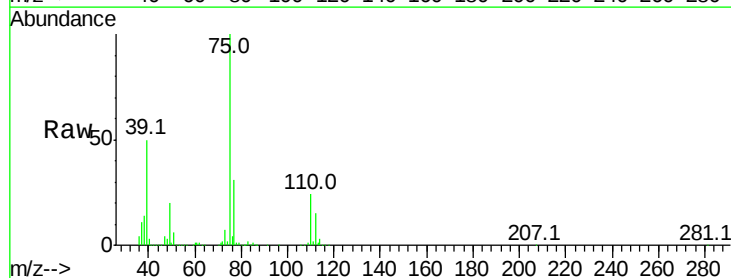
Acq: 13 Sep 2018 16:39

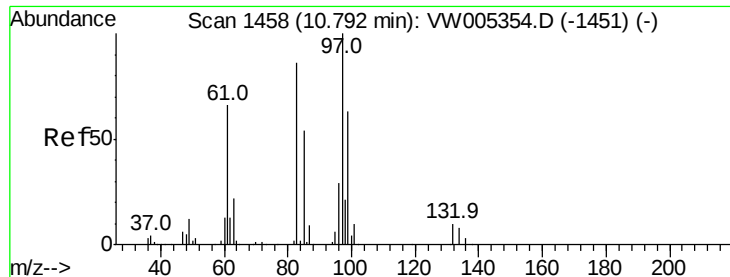
Tgt Ion: 75 Resp: 292820

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 53.767 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion: 97 Resp: 156860

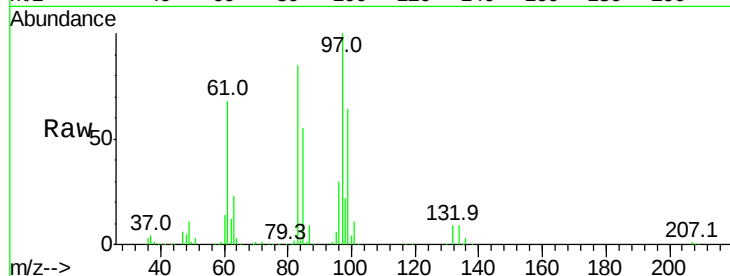
Ion Ratio Lower Upper

97 100

83 85.2 60.2 111.8

85 55.1 37.9 70.5

99 63.6 44.5 82.7

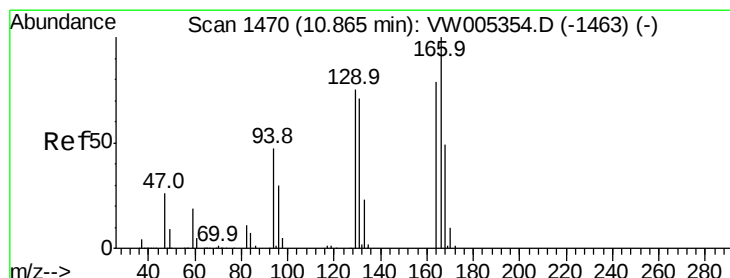
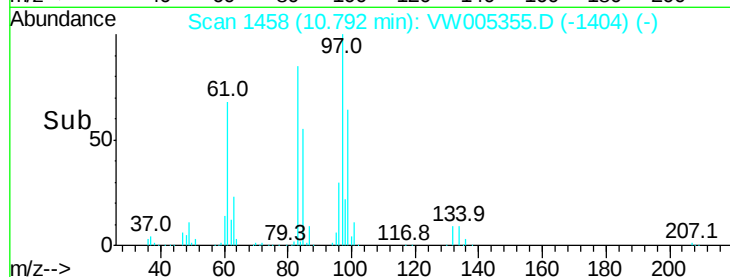
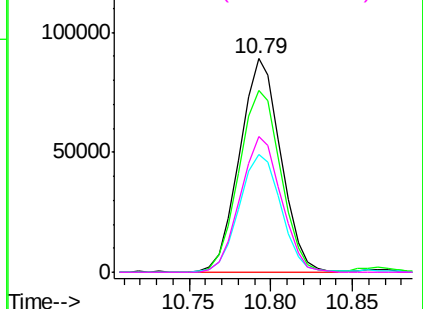


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 56.998 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Tgt Ion: 164 Resp: 195966

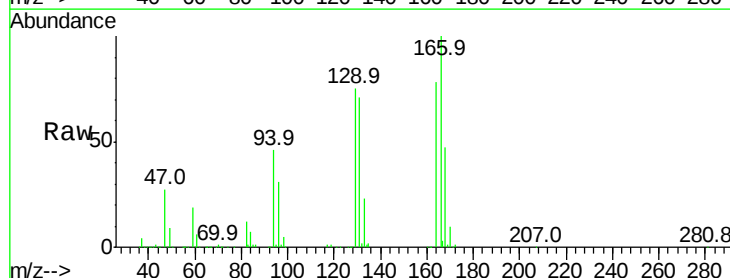
Ion Ratio Lower Upper

164 100

129 95.8 66.2 123.0

131 90.2 63.6 118.0

166 127.5 88.9 165.1

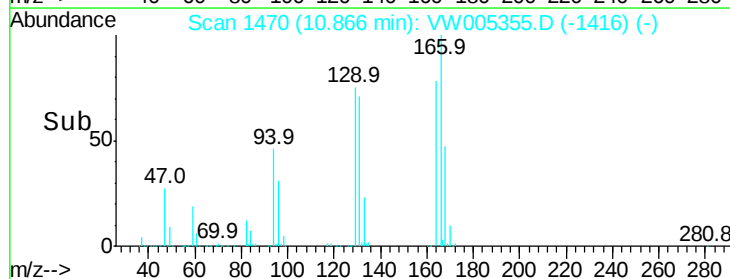
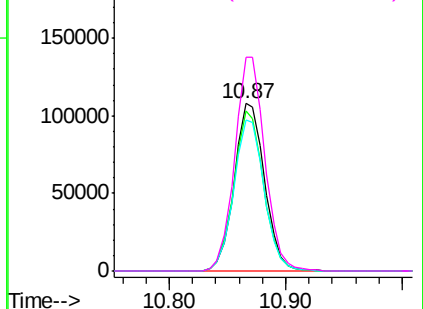


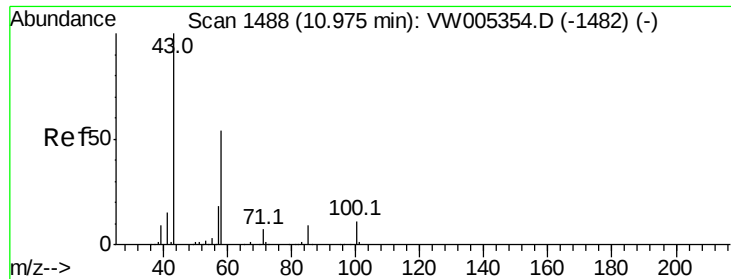
Abundance Ion 164.00 (163.70 to 164.70): V

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

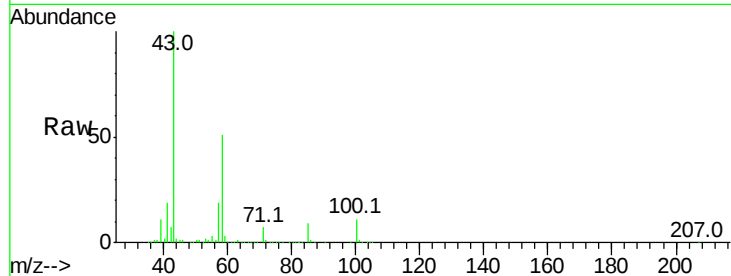




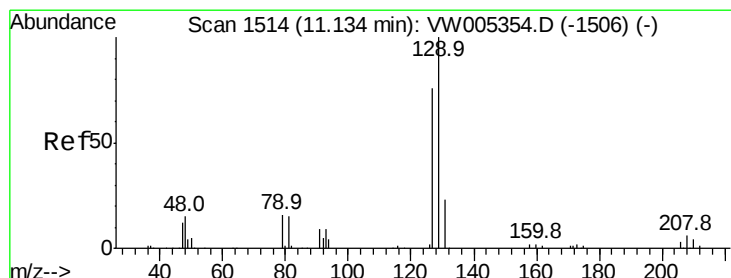
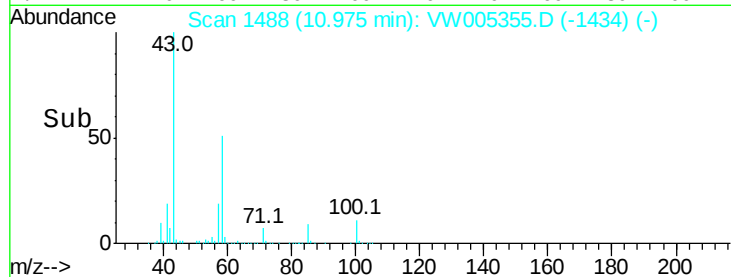
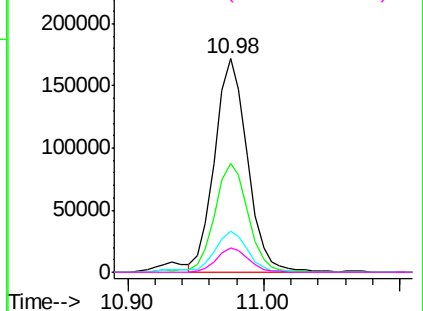
#49
2-Hexanone
Concen: 153.509 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Tgt Ion: 43 Resp: 288334
Ion Ratio Lower Upper
43 100
58 51.6 41.6 62.4
57 18.8 15.0 22.6
100 11.0 8.6 12.8

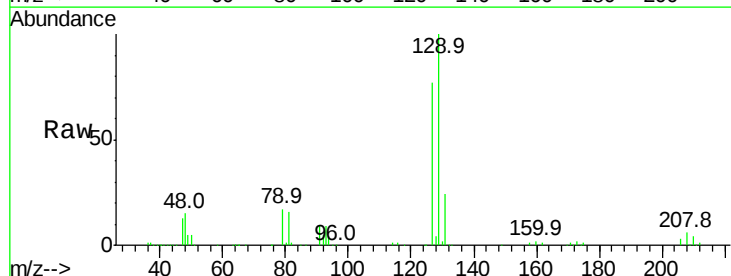


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

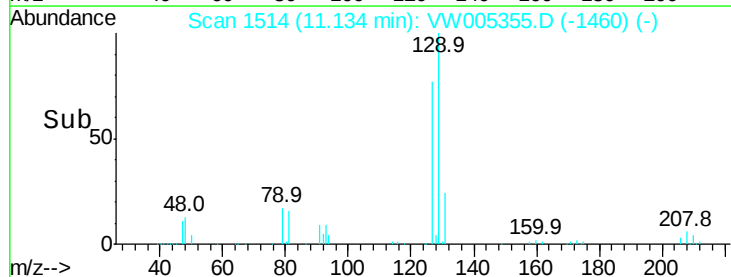
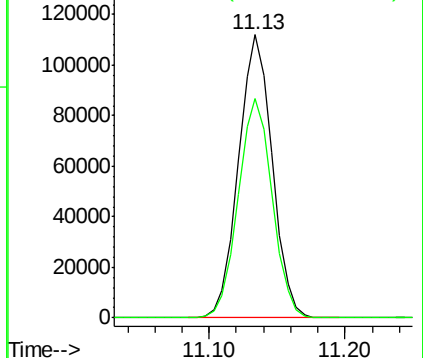


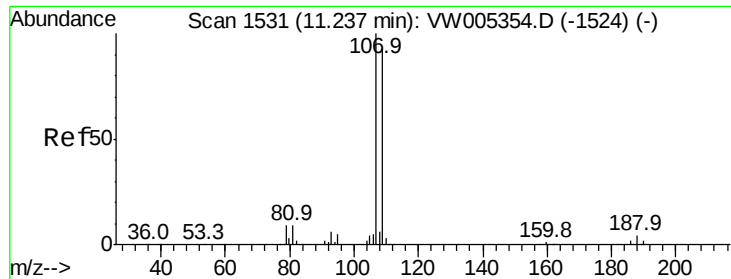
#50
Dibromochloromethane
Concen: 59.697 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Tgt Ion: 129 Resp: 193881
Ion Ratio Lower Upper
129 100
127 77.5 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

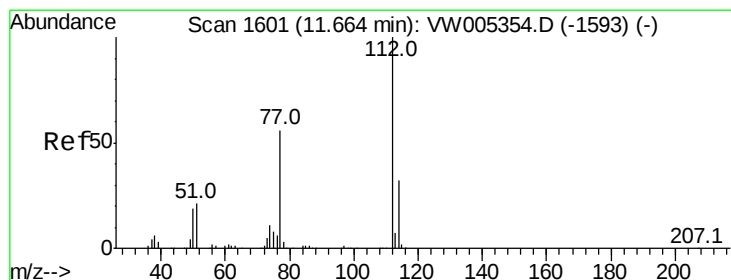
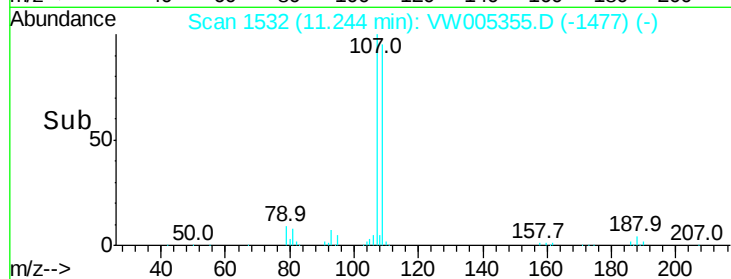
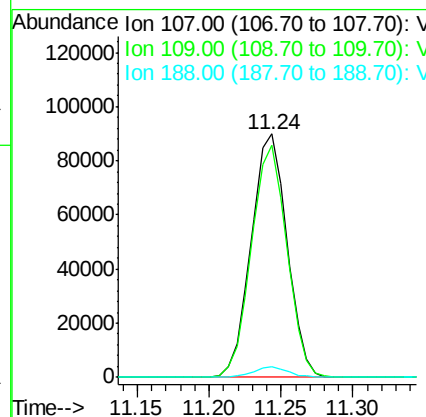
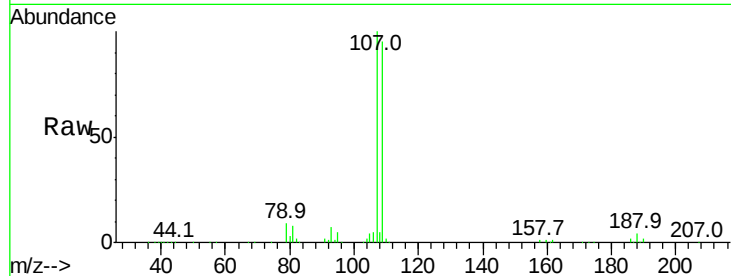




#51
 1,2-Dibromoethane
 Concen: 56.087 ug/L
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

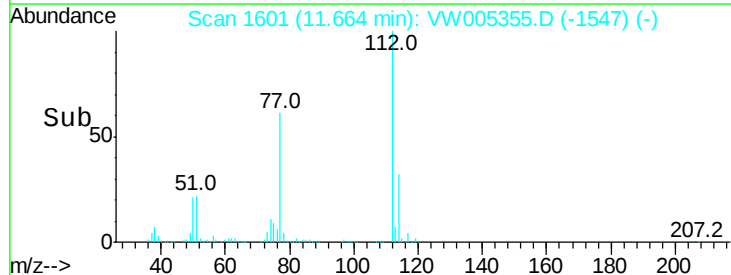
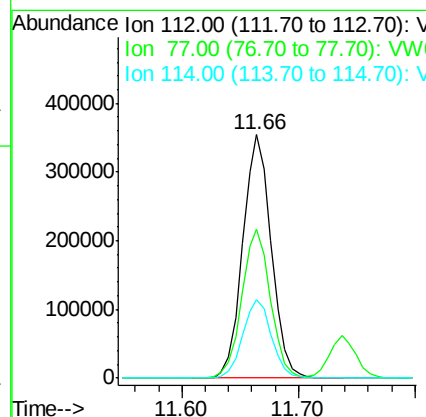
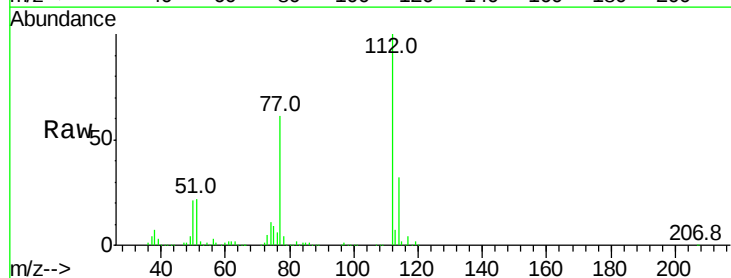
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

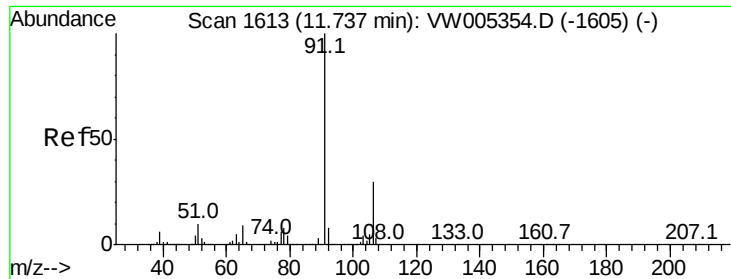
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.9	120.5
188	4.1	3.1	4.7



#52
 Chlorobenzene
 Concen: 54.234 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.3	45.1	67.7
114	32.1	22.5	41.7

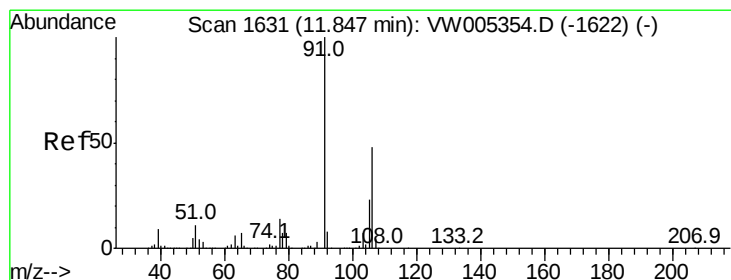
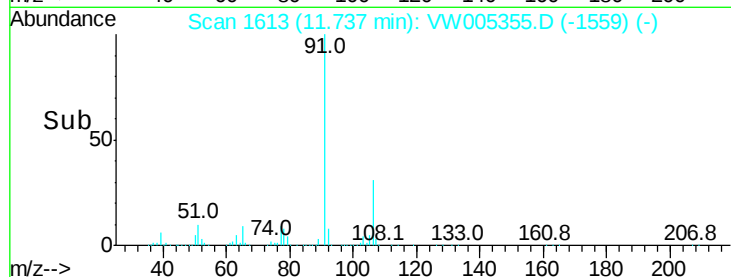
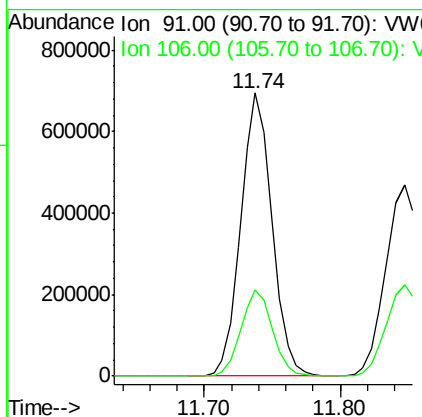
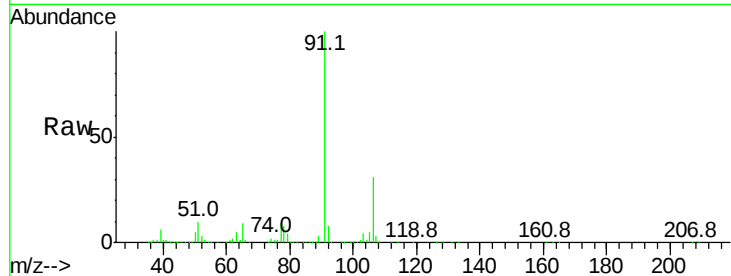




#53
Ethylbenzene
Concen: 60.882 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

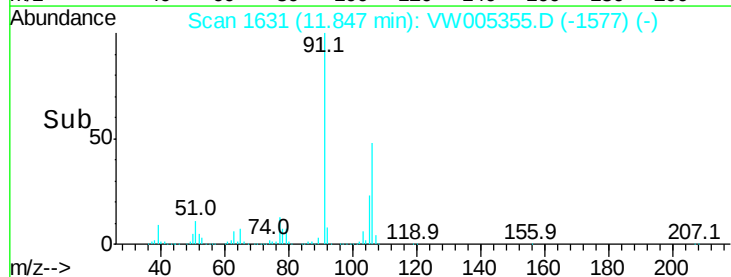
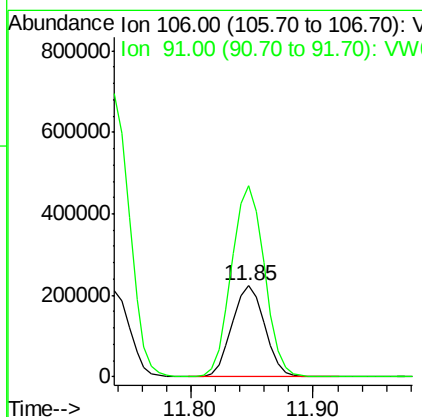
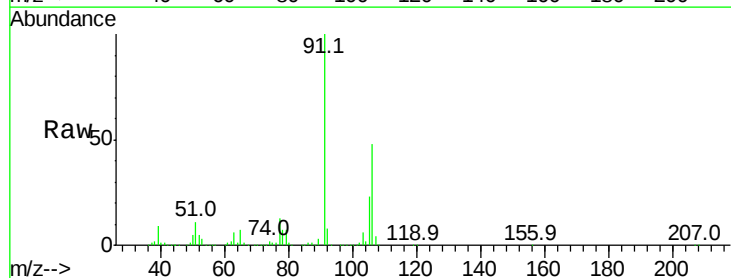
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

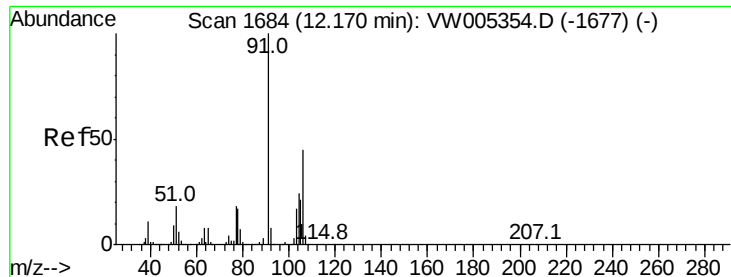
Tgt Ion: 91 Resp: 1114727
Ion Ratio Lower Upper
91 100
106 30.6 20.8 38.6



#54
m,p-Xylene
Concen: 57.536 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005355.D
Acq: 13 Sep 2018 16:39

Tgt Ion: 106 Resp: 417526
Ion Ratio Lower Upper
106 100
91 210.0 146.4 271.8





#55

o-xylene

Concen: 58.817 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

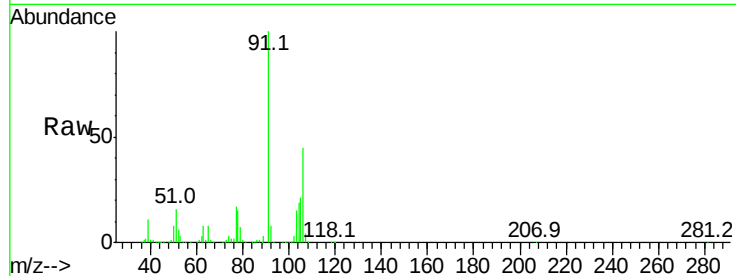
VSTD05084

Tgt Ion:106 Resp: 396522

Ion Ratio Lower Upper

106 100

91 224.0 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

300000

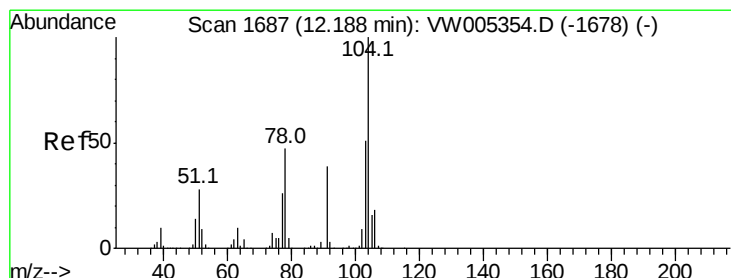
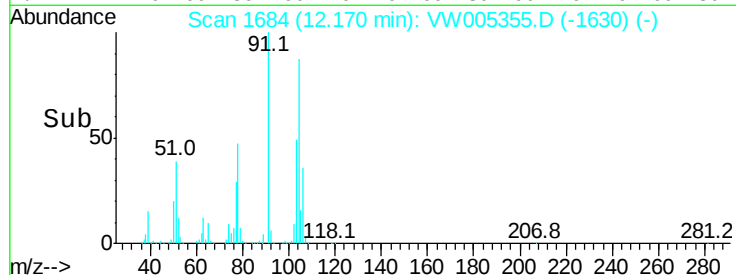
200000

100000

0

12.17

Time-->



#56

Styrene

Concen: 59.447 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005355.D

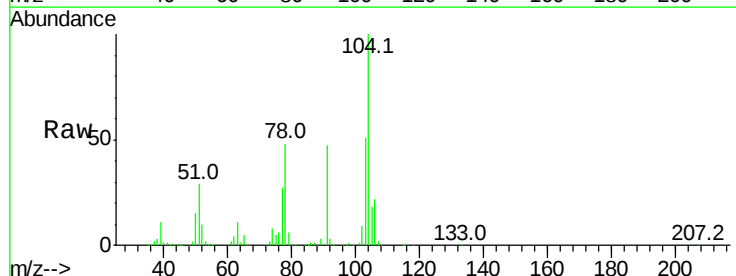
Acq: 13 Sep 2018 16:39

Tgt Ion:104 Resp: 690864

Ion Ratio Lower Upper

104 100

78 48.3 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

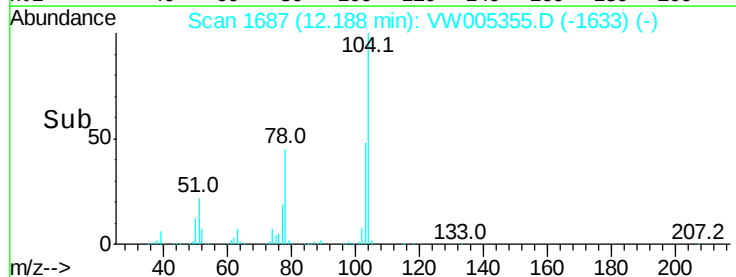
200000

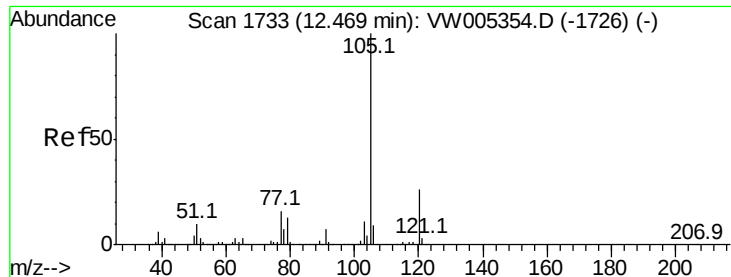
100000

0

12.19

Time-->





#57

Isopropylbenzene

Concen: 62.532 ug/L

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

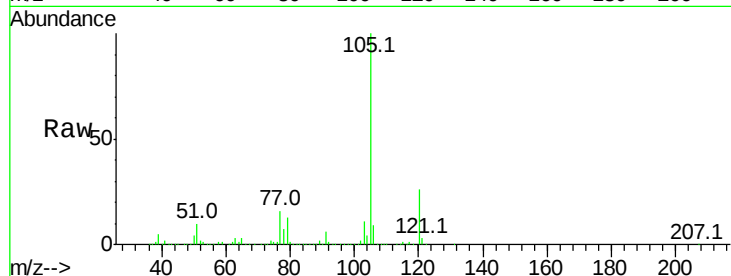
Tgt Ion:105 Resp: 1118653

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

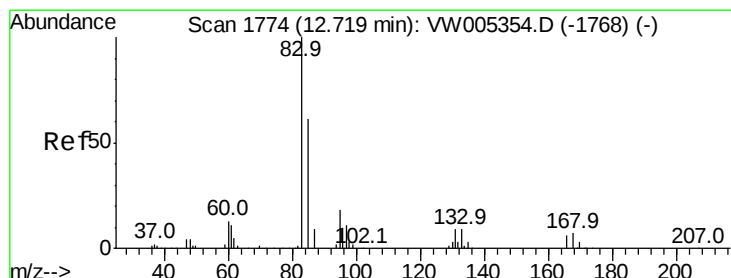
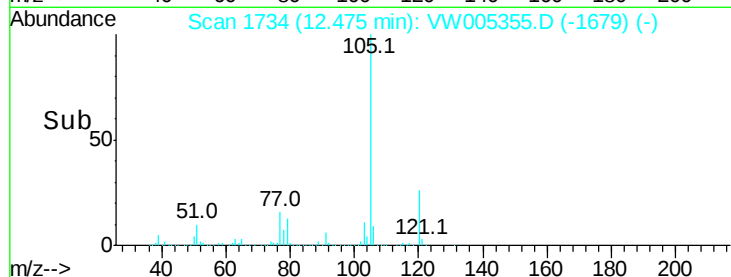
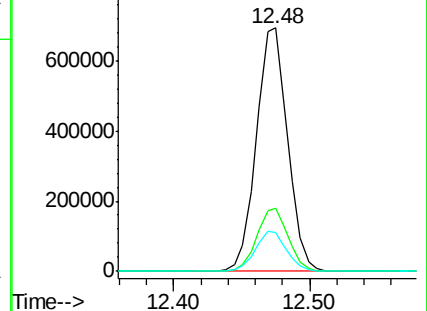
77 16.2 12.9 19.3



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: 55.123 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

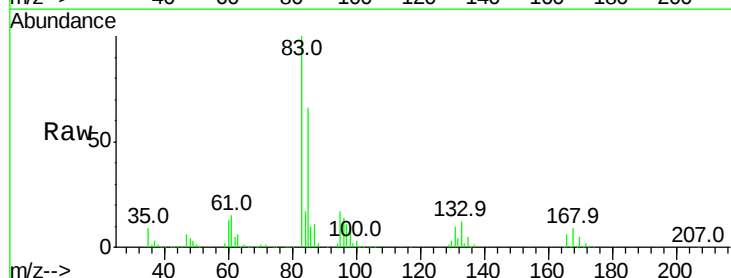
Tgt Ion: 83 Resp: 213548

Ion Ratio Lower Upper

83 100

85 66.3 43.2 80.2

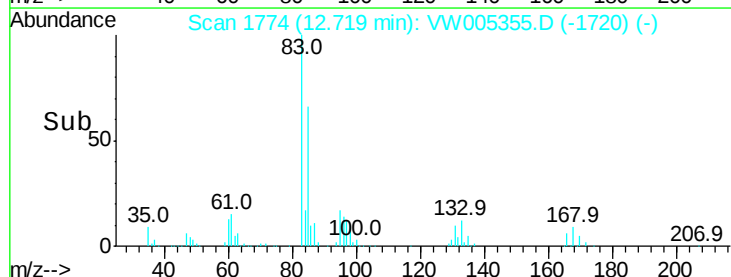
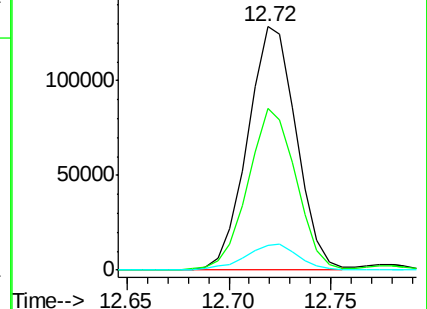
131 10.0 7.9 11.9

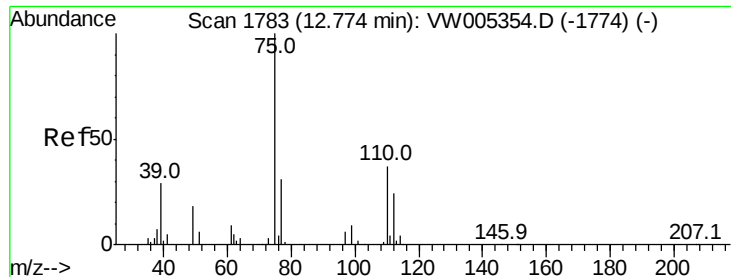


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 58.817 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

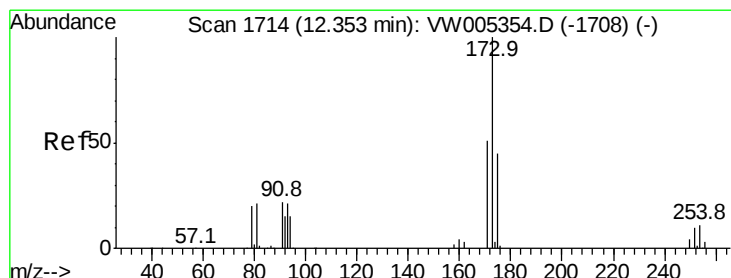
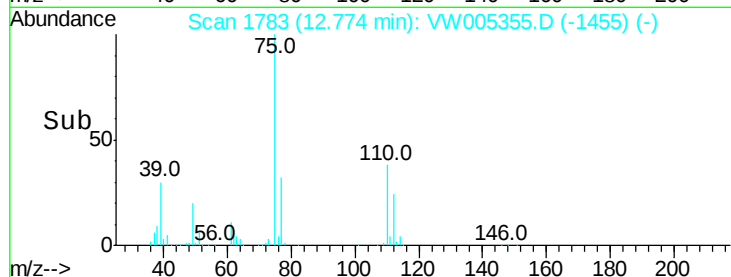
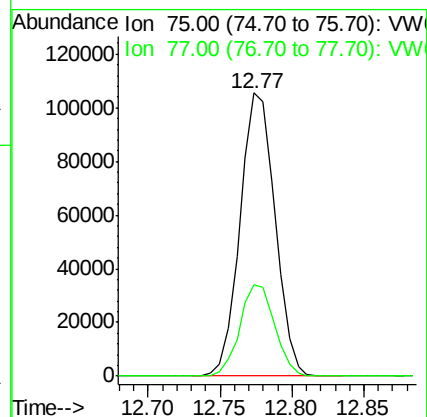
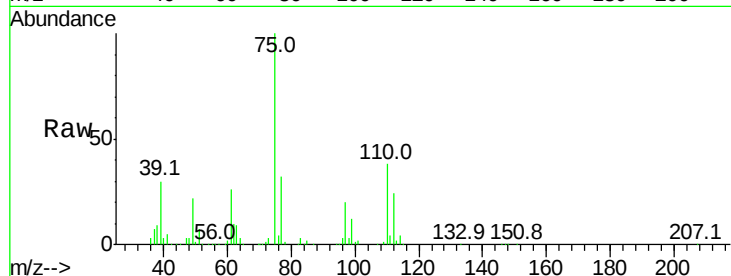
VSTD05084

Tgt Ion: 75 Resp: 178117

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#62

Bromoform

Concen: 60.898 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

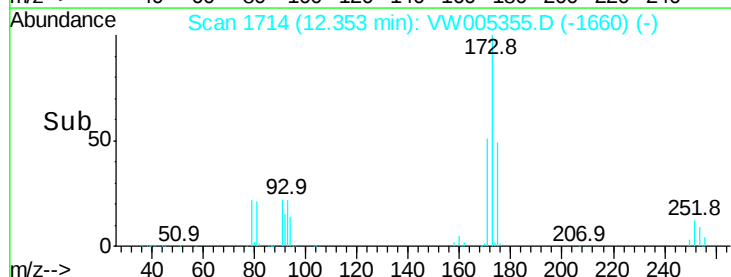
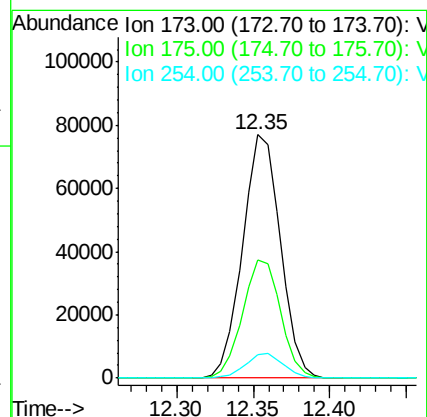
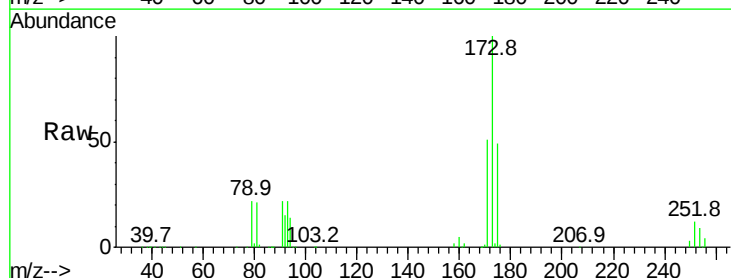
Tgt Ion: 173 Resp: 132620

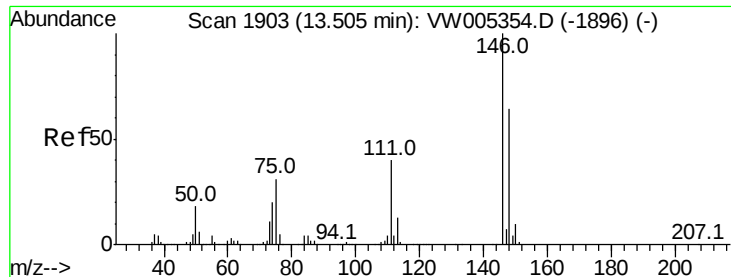
Ion Ratio Lower Upper

173 100

175 48.8 37.8 56.8

254 10.2 8.6 13.0

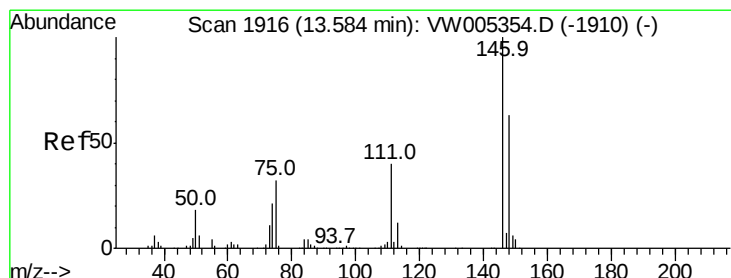
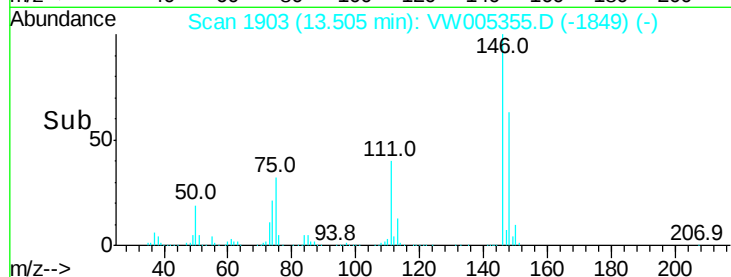
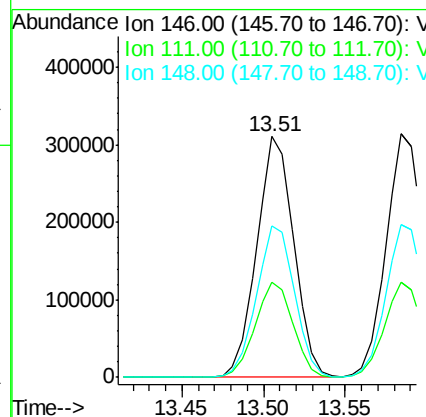
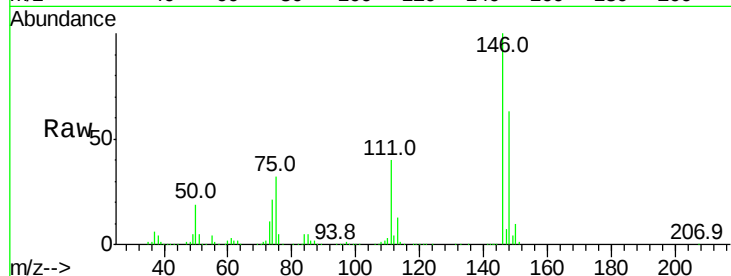




#63
 1,3-Dichlorobenzene
 Concen: 55.537 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

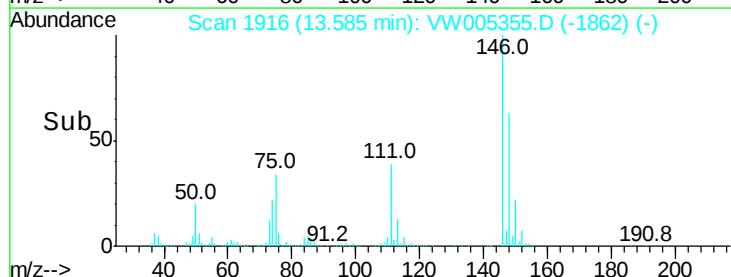
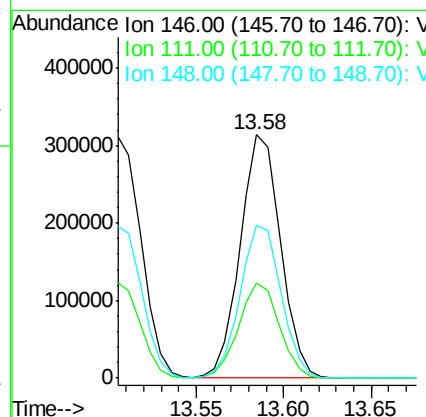
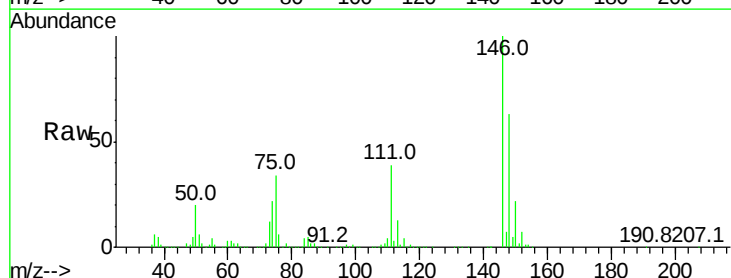
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

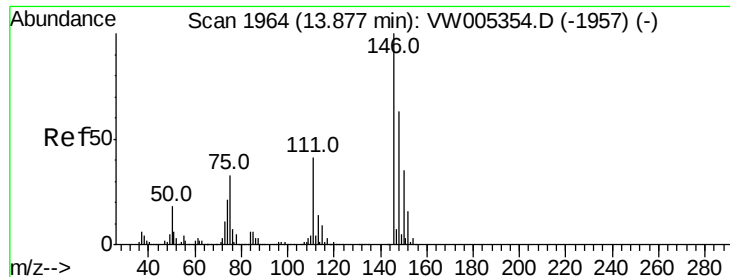
Tgt Ion:146 Resp: 493067
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.1 52.3
 148 62.7 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 53.596 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

Tgt Ion:146 Resp: 504665
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.9 51.9
 148 62.7 44.3 82.3

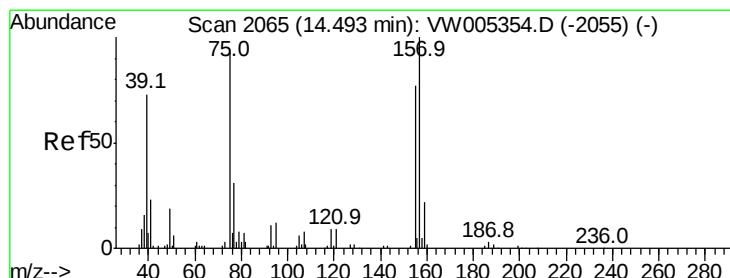
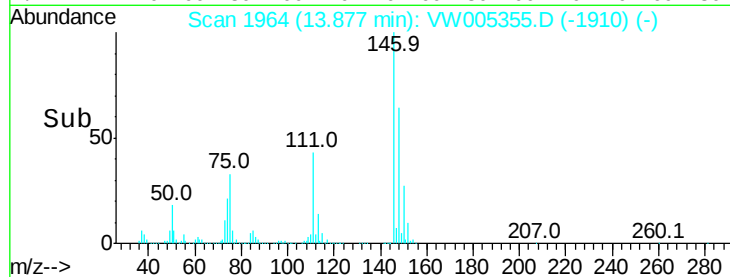
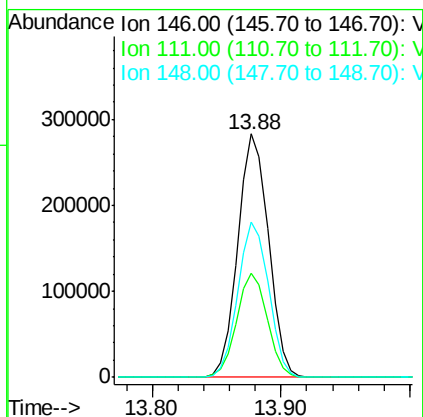
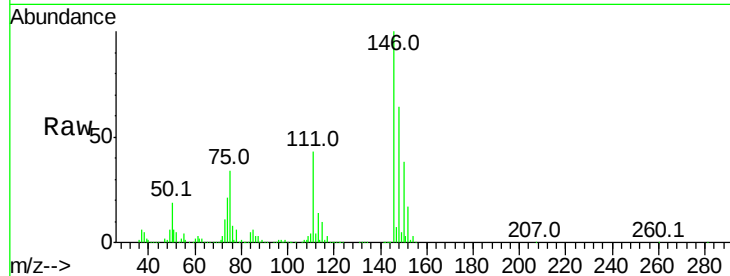




#65
 1,2-Dichlorobenzene
 Concen: 53.803 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

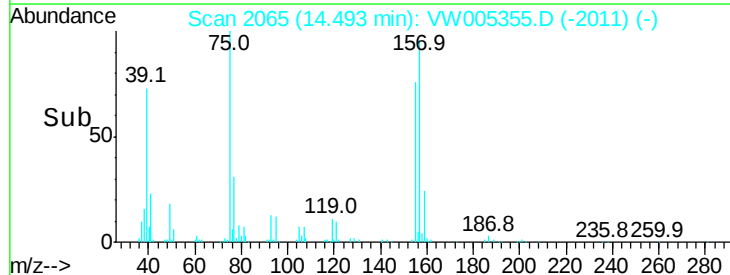
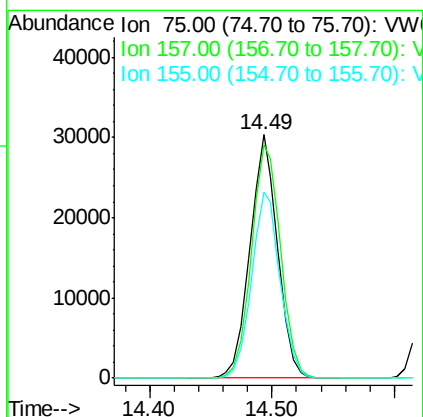
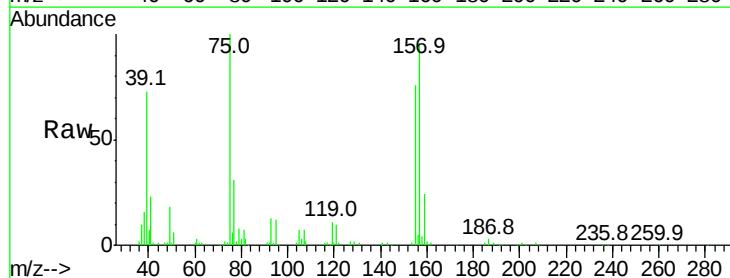
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

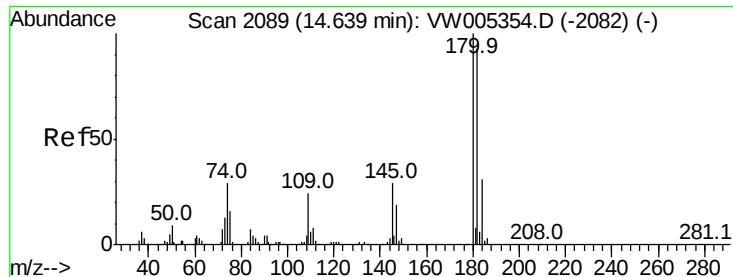
Tgt Ion: 146 Resp: 465717
 Ion Ratio Lower Upper
 146 100
 111 42.8 32.9 49.3
 148 63.6 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 67.619 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005355.D
 Acq: 13 Sep 2018 16:39

Tgt Ion: 75 Resp: 47418
 Ion Ratio Lower Upper
 75 100
 157 95.7 86.3 129.5
 155 76.4 66.6 100.0





#67

1,3,5-Trichlorobenzene

Concen: 54.782 ug/L

RT: 14.64 min Scan# 2089

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion:180 Resp: 394857

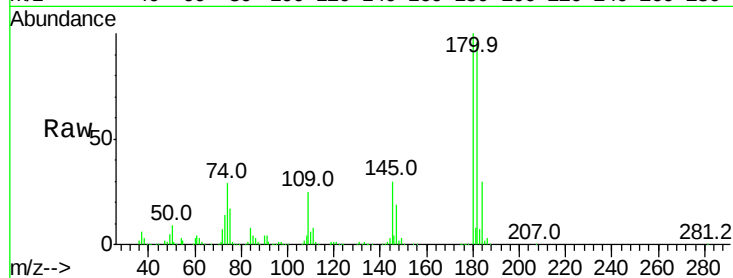
Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

184 30.2 24.0 36.0

145 29.5 23.8 35.6



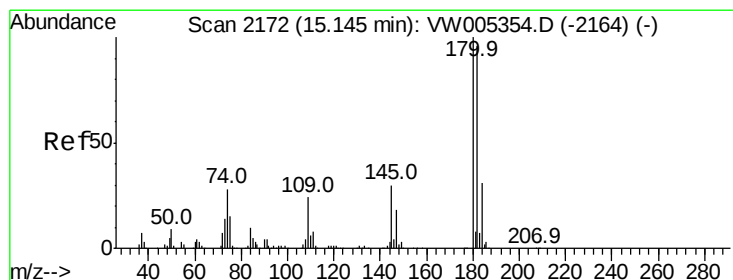
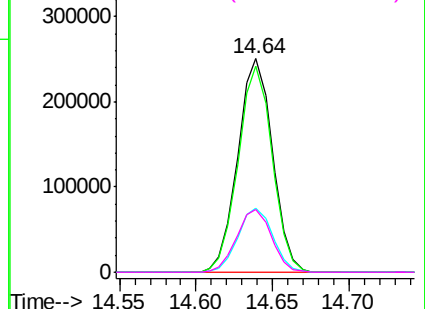
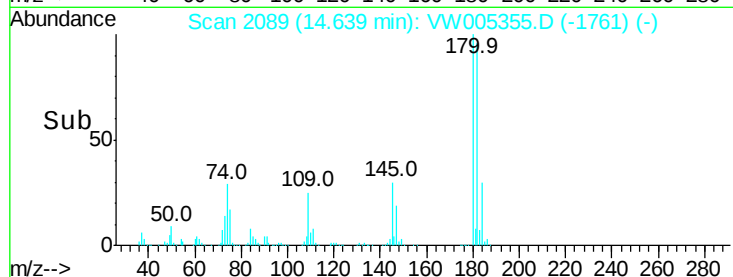
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 57.567 ug/L

RT: 15.15 min Scan# 2172

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

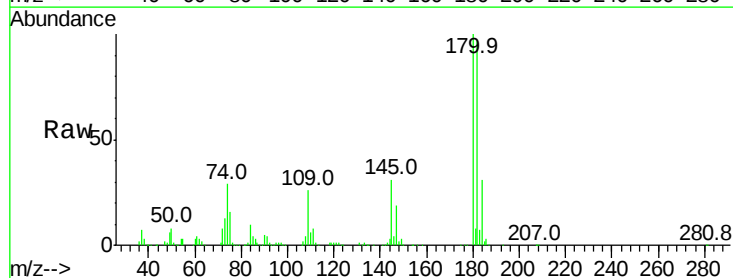
Tgt Ion:180 Resp: 335032

Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

145 30.4 24.2 36.4

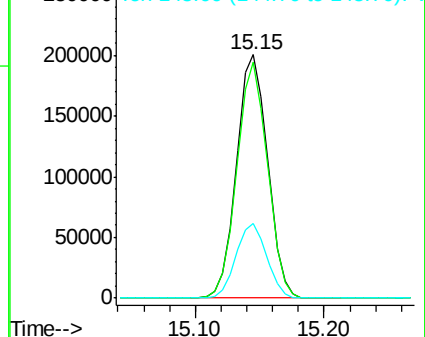
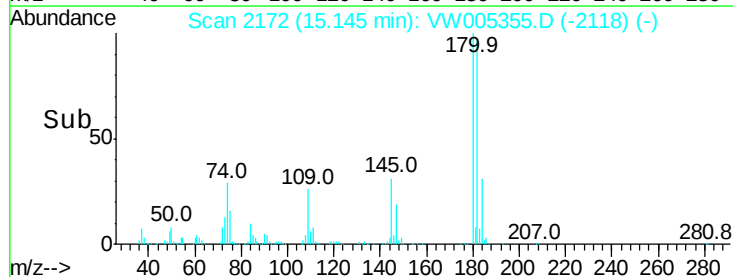


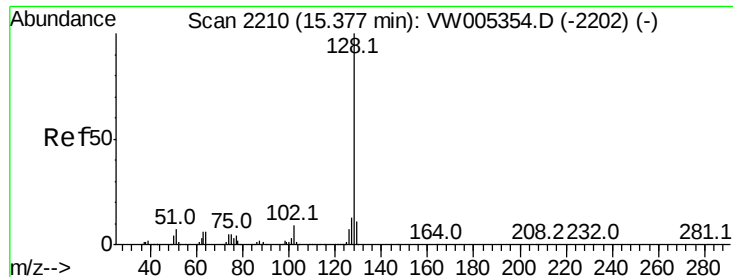
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 64.438 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

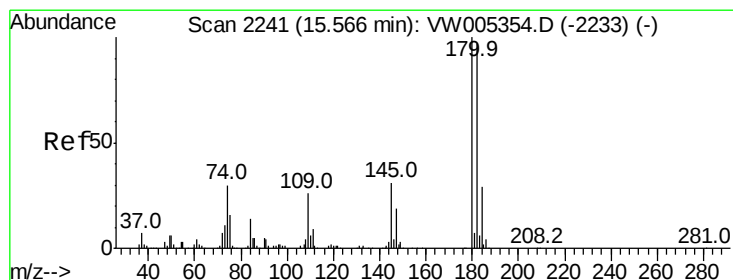
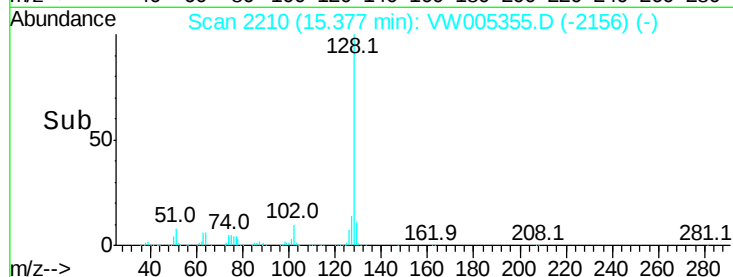
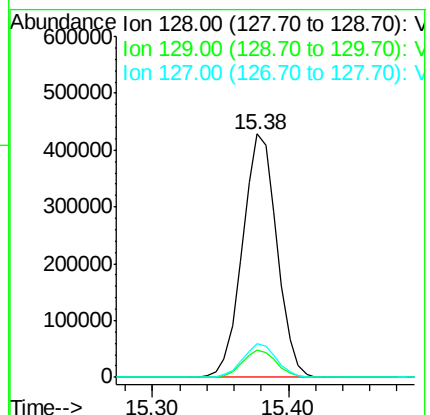
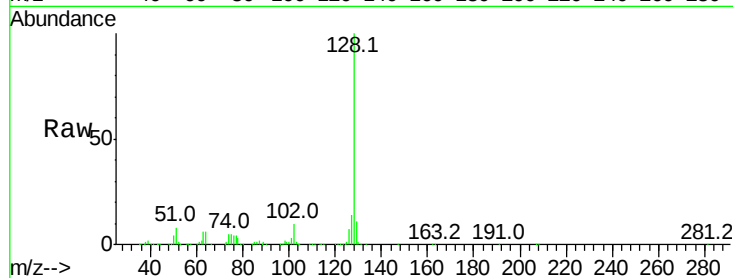
Tgt Ion:128 Resp: 755816

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.6 10.9 16.3



#70

1,2,3-Trichlorobenzene

Concen: 58.074 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005355.D

Acq: 13 Sep 2018 16:39

Tgt Ion:180 Resp: 317826

Ion Ratio Lower Upper

180 100

182 94.5 76.9 115.3

145 31.6 26.0 39.0

