

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
 Data File : VW003379.D
 Acq On : 21 Jun 2018 10:10
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Quant Time: Jun 22 04:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 21 05:02:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	422608	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	388328	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	198847	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125672	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
7) Chloroethane-d5	2.89	69	103316	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.40%
10) 1,1-Dichloroethene-d2	4.01	63	261648	22.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.96%
20) 2-Butanone-d5	7.09	46	73315	40.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.18%
24) Chloroform-d	7.65	84	246094	22.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.56%
26) 1,2-Dichloroethane-d4	8.31	65	145016	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	8.28	84	473335	22.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.88%
33) 1,2-Dichloropropane-d6	9.28	67	148042	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.80%
37) Toluene-d8	10.33	98	456575	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.72%
38) trans-1,3-Dichloropropene-	10.59	79	69311	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.56%
39) 2-Hexanone-d5	10.93	63	57311	42.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.98%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	130434	21.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.96%
61) 1,2-Dichlorobenzene-d4	13.87	152	164517	21.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	50588	21.794	ug/L 88
3) Chloromethane	2.21	50	114153	22.893	ug/L 96
5) Vinyl chloride	2.36	62	174081	24.122	ug/L 99
6) Bromomethane	2.78	94	98176	23.381	ug/L 98
8) Chloroethane	2.93	64	105104	23.902	ug/L 98
9) Trichlorofluoromethane	3.26	101	100794	24.350	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137913	24.676	ug/L 98
12) 1,1-Dichloroethene	4.03	96	130245	24.655	ug/L 90
13) Acetone	4.15	43	96092	49.916	ug/L 67
14) Carbon disulfide	4.37	76	426039	24.998	ug/L 99
15) Methyl Acetate	4.68	43	67151	21.282	ug/L 97
16) Methylene chloride	4.91	84	136002	23.355	ug/L 92
17) Methyl tert-butyl Ether	5.43	73	241395	24.767	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	135357	24.591	ug/L 95
19) 1,1-Dichloroethane	6.21	63	252650	24.596	ug/L 98
21) 2-Butanone	7.19	43	107711	47.614	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	144844	24.761	ug/L 98

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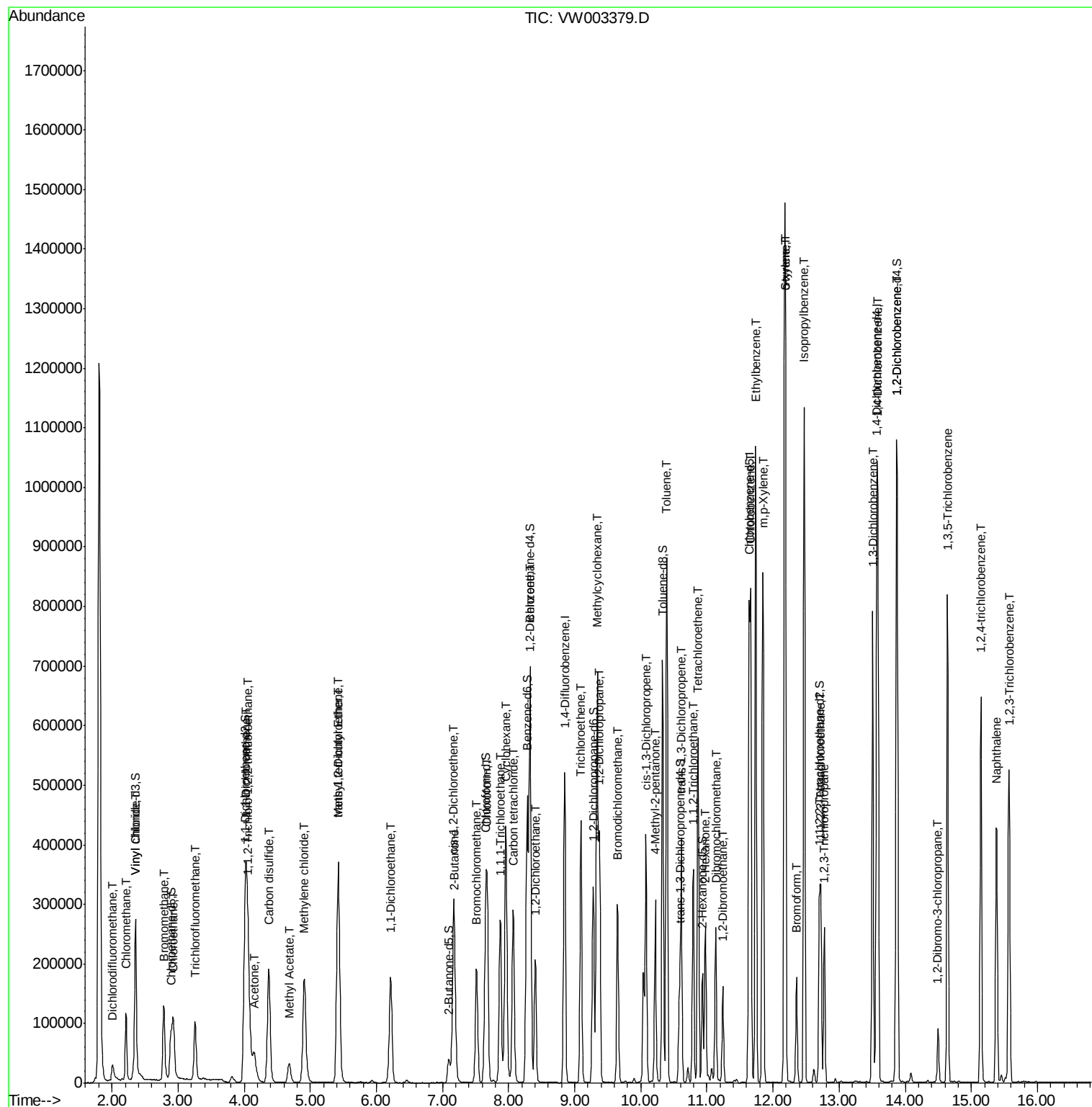
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66102	24.427	ug/L	97
25) Chloroform	7.68	83	261440	24.756	ug/L	99
27) 1,2-Dichloroethane	8.40	62	187428	24.508	ug/L	99
30) Cyclohexane	7.96	56	237173	26.454	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	216249	25.347	ug/L	99
32) Carbon tetrachloride	8.07	117	208332	25.276	ug/L	100
34) Benzene	8.33	78	568491	25.672	ug/L	100
35) Trichloroethene	9.09	95	149472	25.044	ug/L	99
36) Methylcyclohexane	9.34	83	268904	26.391	ug/L	100
40) 1,2-Dichloropropane	9.37	63	146246	25.096	ug/L	100
41) Bromodichloromethane	9.65	83	190597	25.446	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	226357	26.027	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	200127	48.071	ug/L	99
44) Toluene	10.39	91	621658	25.885	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	204403	25.973	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	109306	25.126	ug/L	97
47) Tetrachloroethene	10.87	164	125837	25.090	ug/L	97
49) 2-Hexanone	10.98	43	162981	52.534	ug/L	99
50) Dibromochloromethane	11.13	129	133812	25.267	ug/L	97
51) 1,2-Dibromoethane	11.24	107	105893	24.495	ug/L	99
52) Chlorobenzene	11.66	112	392311	25.156	ug/L	98
53) Ethylbenzene	11.74	91	711245	26.404	ug/L	99
54) m,p-Xylene	11.85	106	265209	26.509	ug/L	100
55) o-xylene	12.18	106	253826	26.672	ug/L	95
56) Styrene	12.19	104	435897	26.530	ug/L	100
57) Isopropylbenzene	12.47	105	708255	26.824	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	137812	24.030	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	102341	23.285	ug/L	100
62) Bromoform	12.35	173	79587	23.782	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	309327	25.300	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	321163	25.055	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	293631	25.155	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	23269	22.714	ug/L	100
67) 1,3,5-Trichlorobenzene	14.64	180	242974	25.575	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	198377	25.649	ug/L	99
69) Naphthalene	15.38	128	360866	24.937	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	181982	25.673	ug/L	99

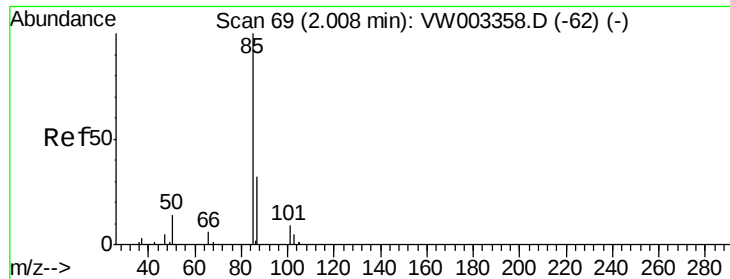
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.794 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

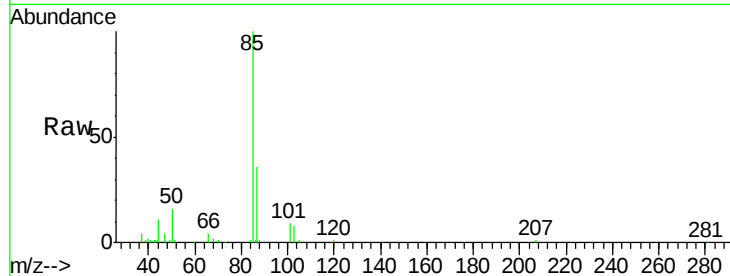
VSTD02594

Tgt Ion: 85 Resp: 50588

Ion Ratio Lower Upper

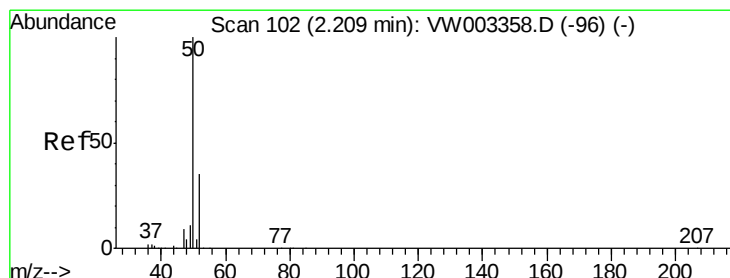
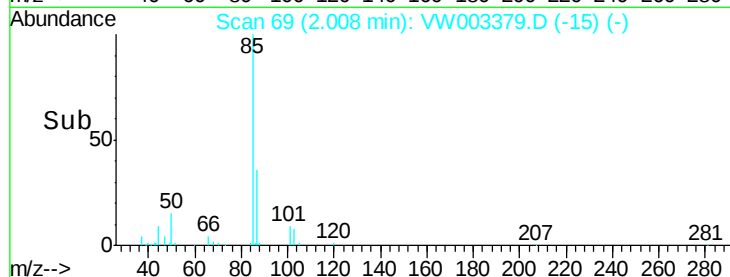
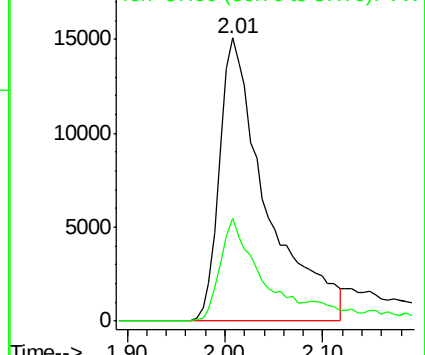
85 100

87 30.4 17.1 31.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.893 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003379.D

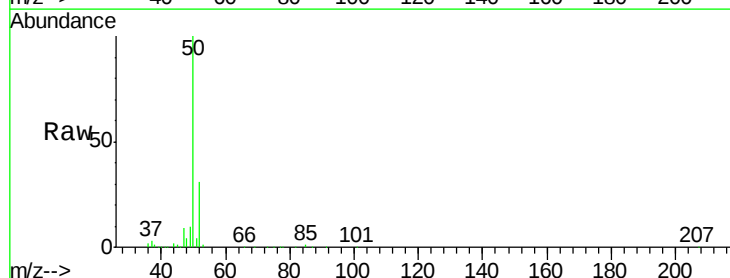
Acq: 21 Jun 2018 10:10

Tgt Ion: 50 Resp: 114153

Ion Ratio Lower Upper

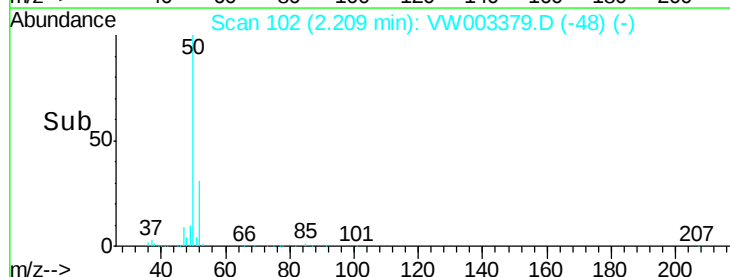
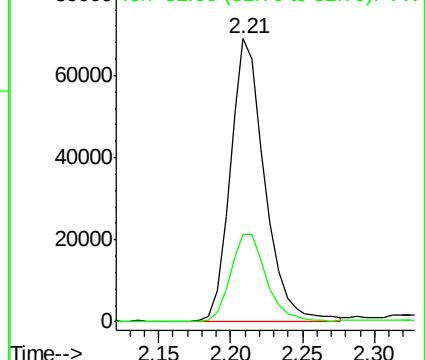
50 100

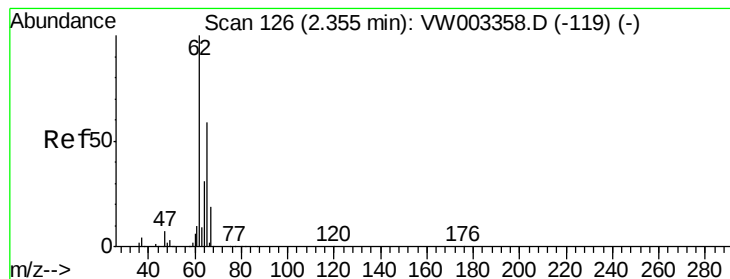
52 30.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.122 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

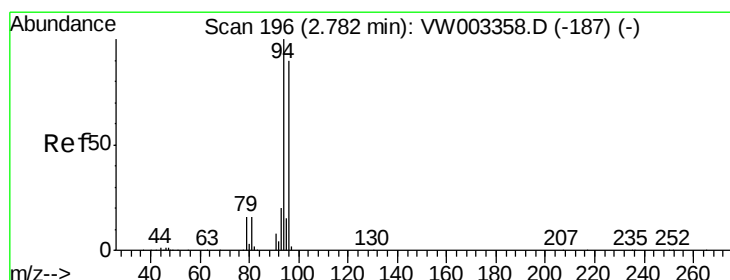
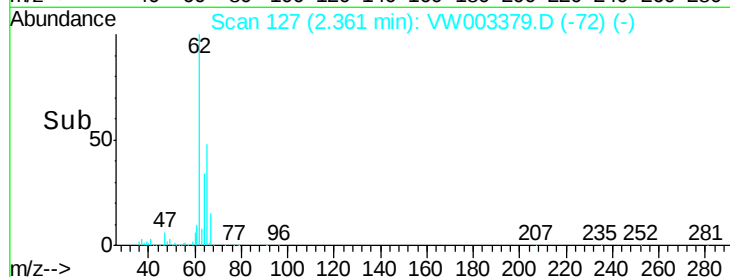
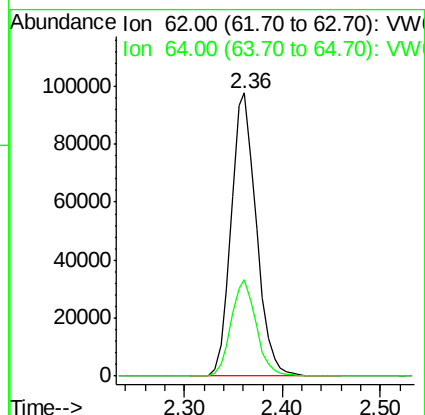
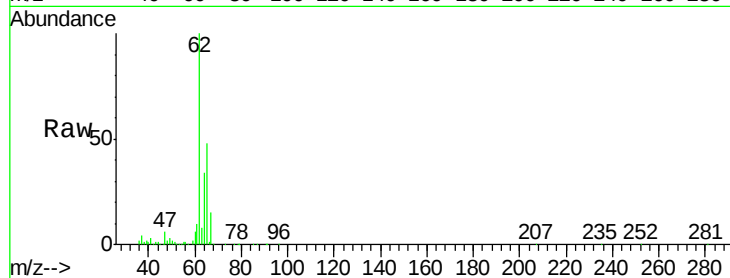
VSTD02594

Tgt Ion: 62 Resp: 174081

Ion Ratio Lower Upper

62 100

64 34.2 23.5 43.7



#6

Bromomethane

Concen: 23.381 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003379.D

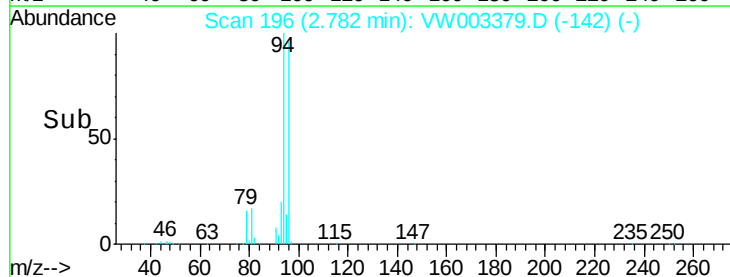
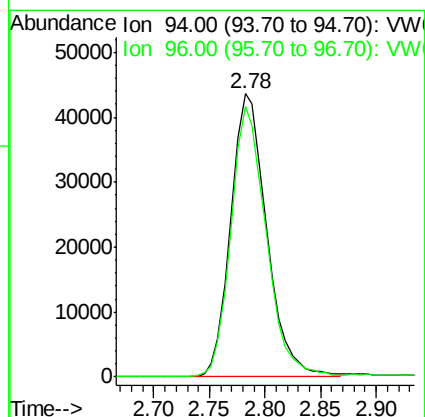
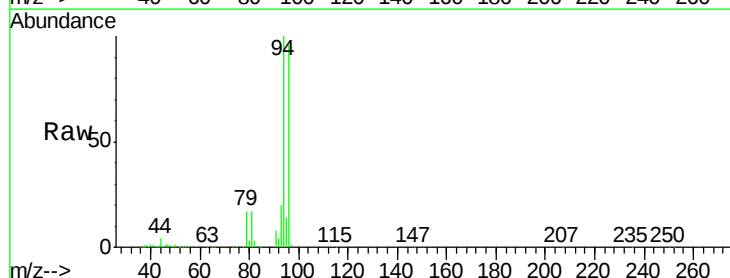
Acq: 21 Jun 2018 10:10

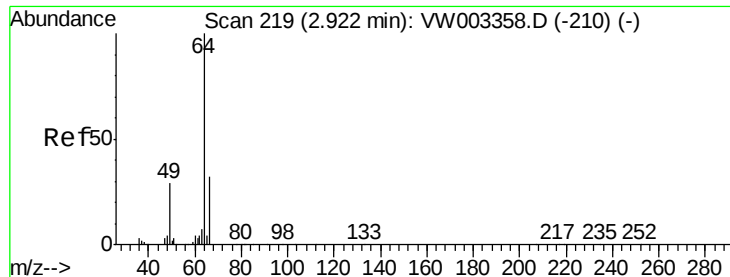
Tgt Ion: 94 Resp: 98176

Ion Ratio Lower Upper

94 100

96 93.3 9.5 180.3





#8

Chloroethane

Concen: 23.902 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

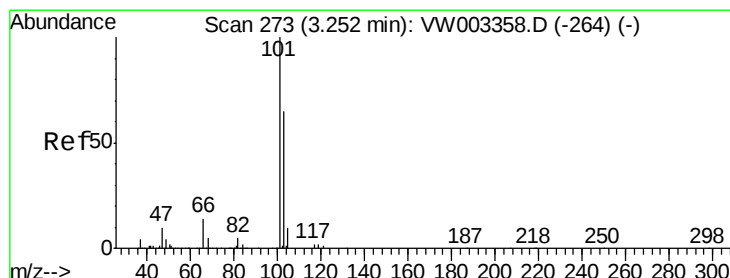
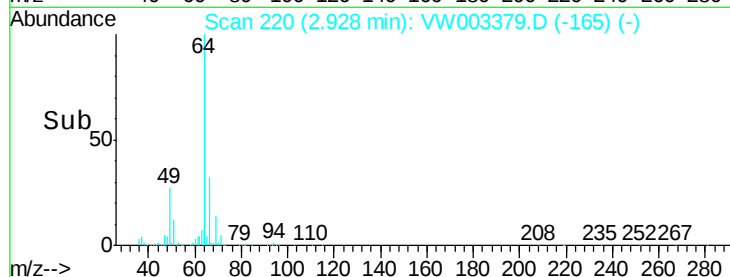
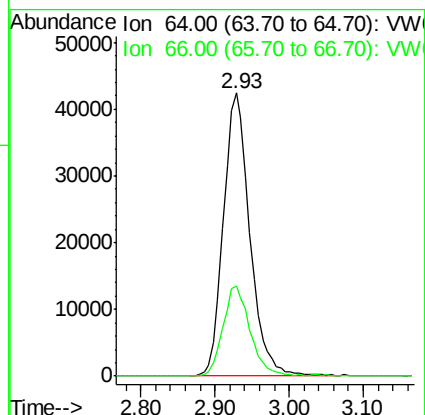
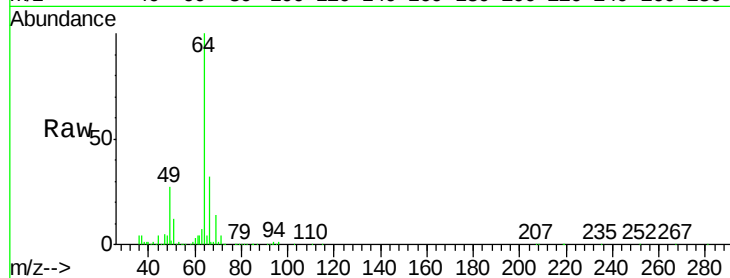
VSTD02594

Tgt Ion: 64 Resp: 105104

Ion Ratio Lower Upper

64 100

66 31.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 24.350 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW003379.D

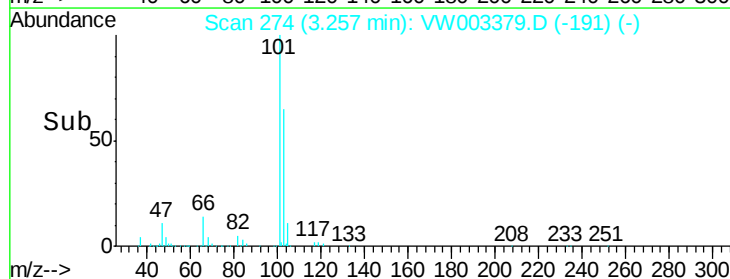
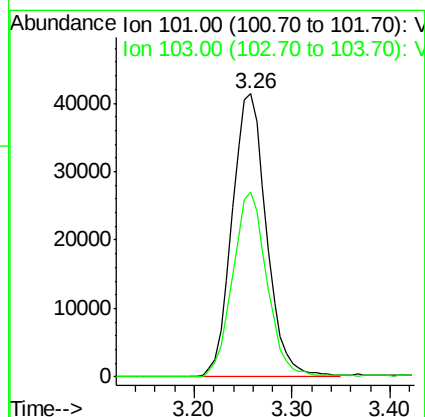
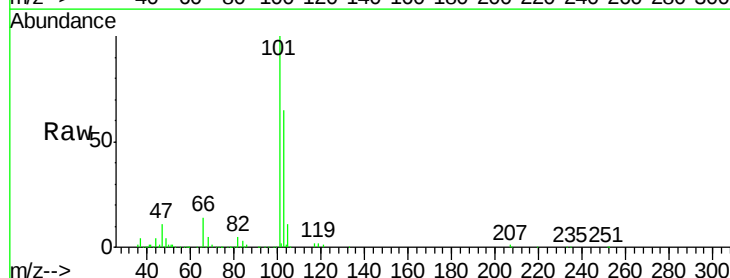
Acq: 21 Jun 2018 10:10

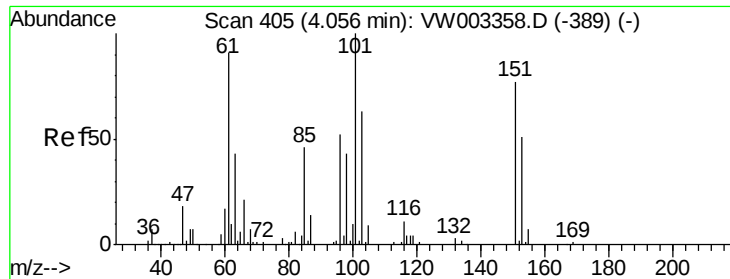
Tgt Ion: 101 Resp: 100794

Ion Ratio Lower Upper

101 100

103 64.9 45.1 83.7





#11

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

Concen: 24.676 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

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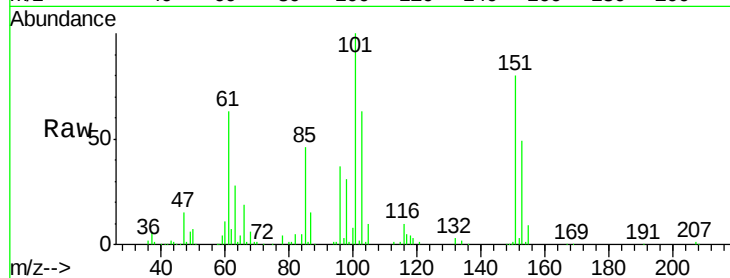
Tgt Ion:101 Resp: 137913

Ion Ratio Lower Upper

101 100

85 46.0 35.4 53.0

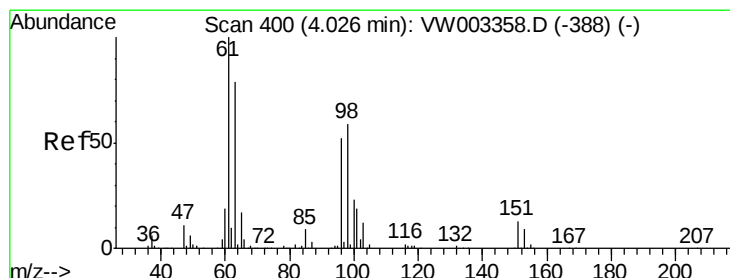
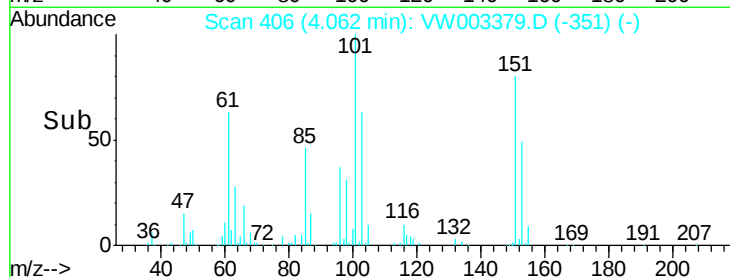
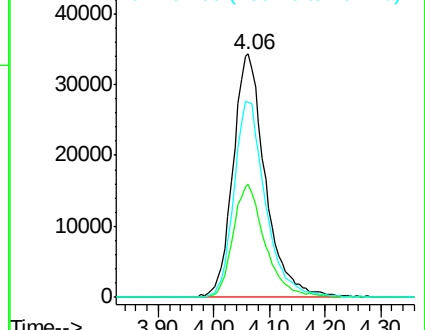
151 77.6 61.4 92.0



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: 24.655 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

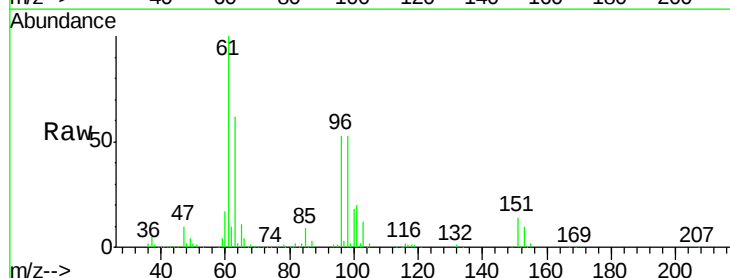
Tgt Ion: 96 Resp: 130245

Ion Ratio Lower Upper

96 100

61 187.1 124.1 230.5

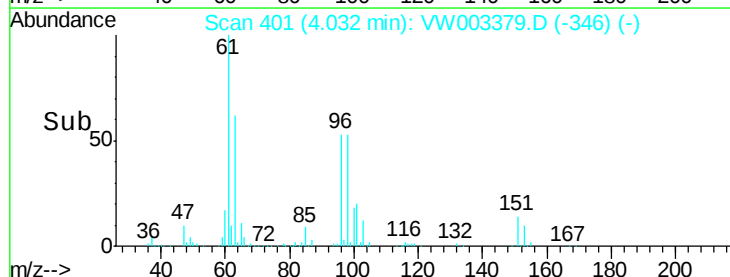
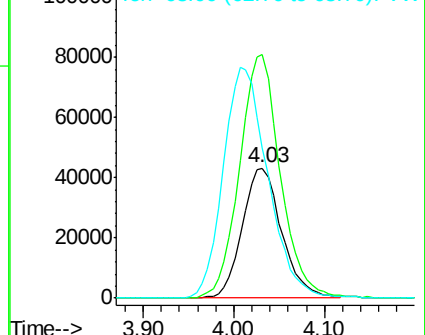
63 115.4 93.1 172.9

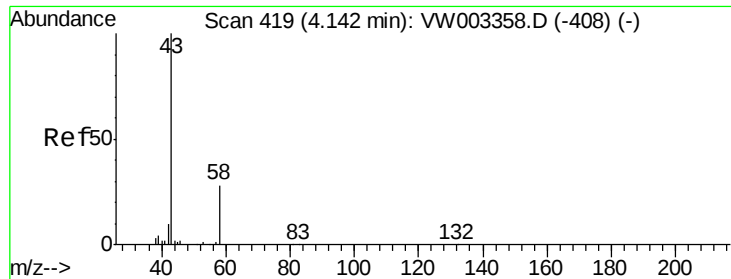


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.916 ug/L

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

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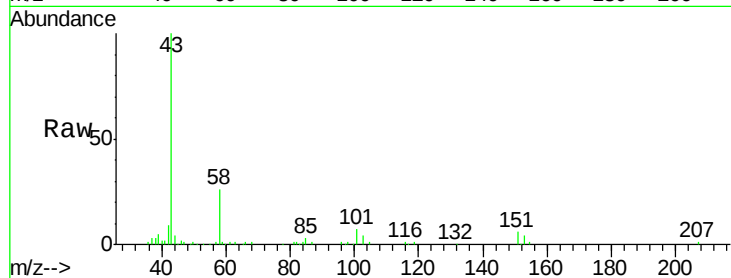
VSTD02594

Tgt Ion: 43 Resp: 96092

Ion Ratio Lower Upper

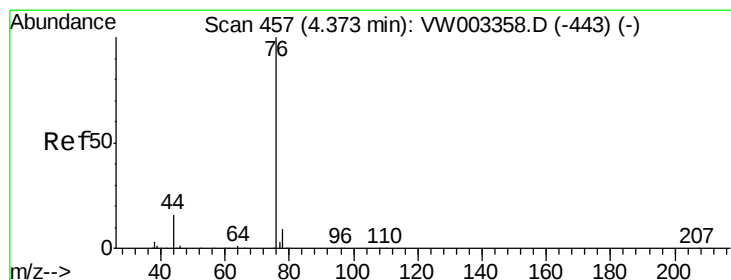
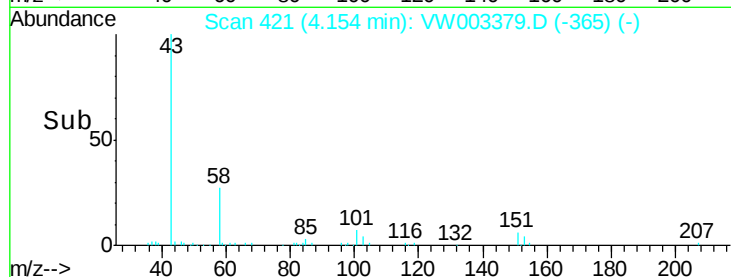
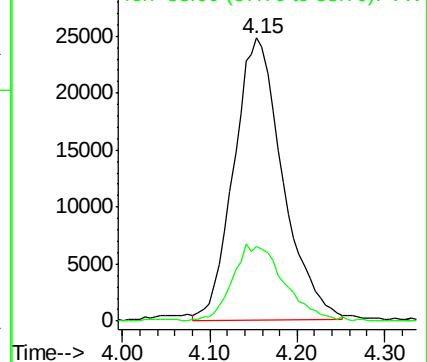
43 100

58 11.4 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.998 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW003379.D

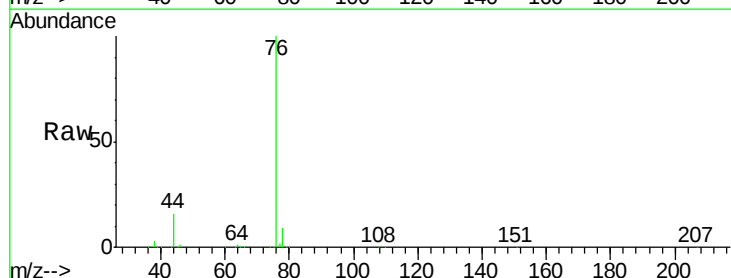
Acq: 21 Jun 2018 10:10

Tgt Ion: 76 Resp: 426039

Ion Ratio Lower Upper

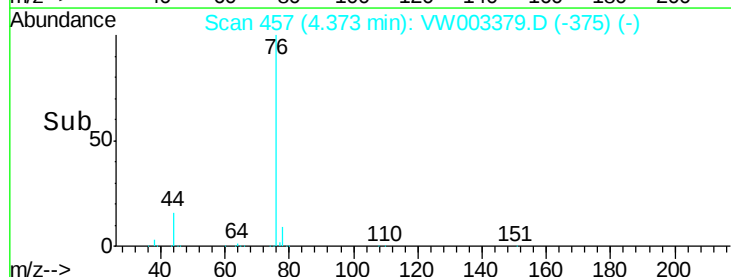
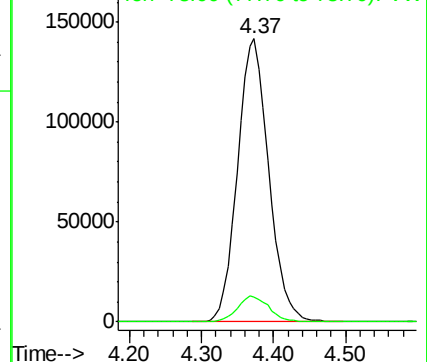
76 100

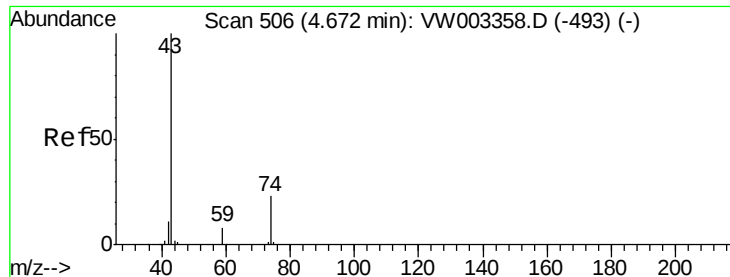
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

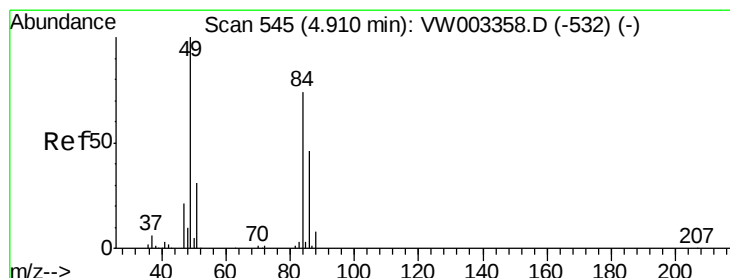
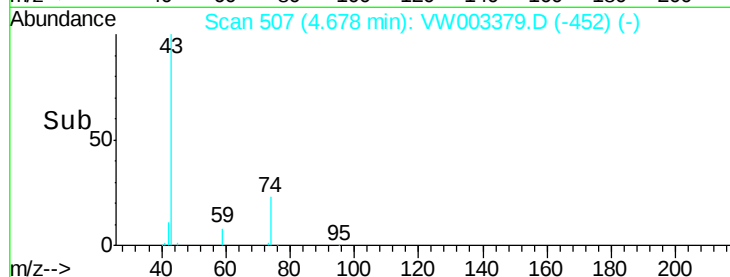
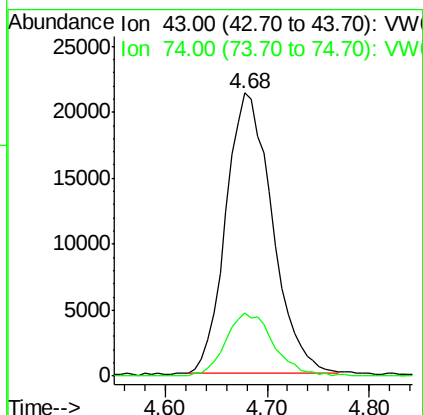
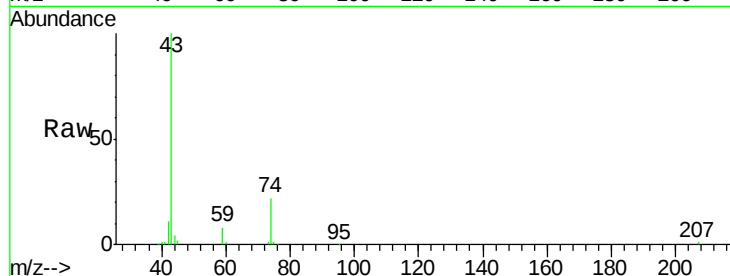




#15
Methyl Acetate
Concen: 21.282 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

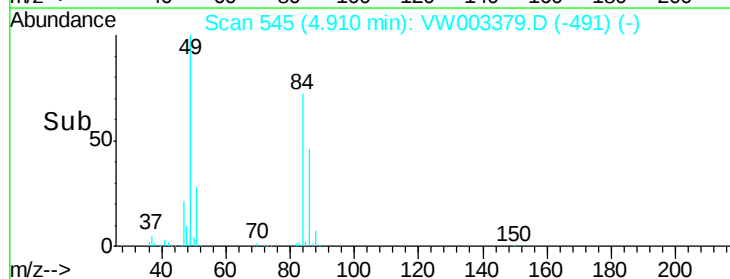
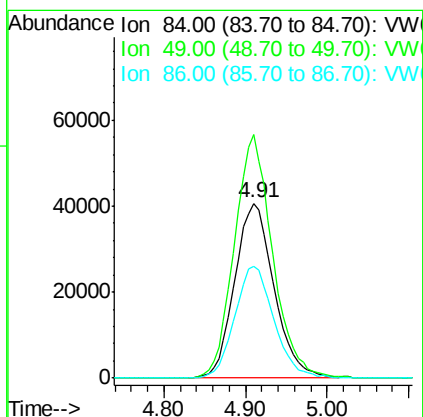
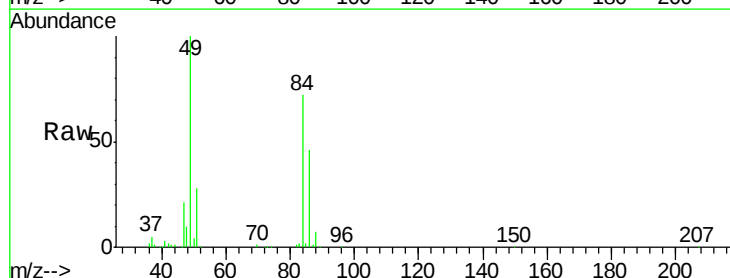
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

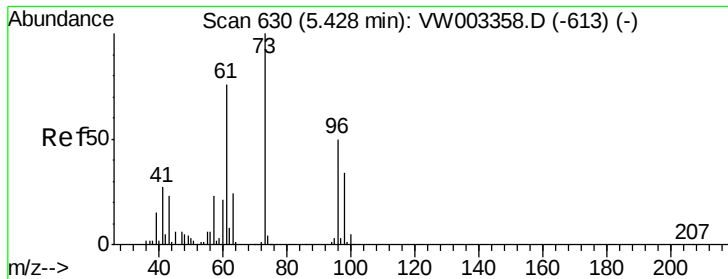
Tgt Ion: 43 Resp: 67151
Ion Ratio Lower Upper
43 100
74 23.1 17.5 26.3



#16
Methylene chloride
Concen: 23.355 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

Tgt Ion: 84 Resp: 136002
Ion Ratio Lower Upper
84 100
49 139.5 88.7 164.7
86 63.8 44.2 82.0

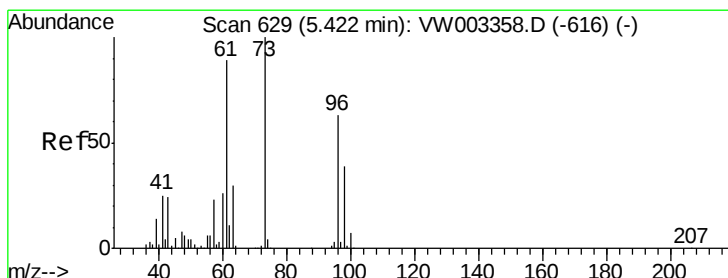
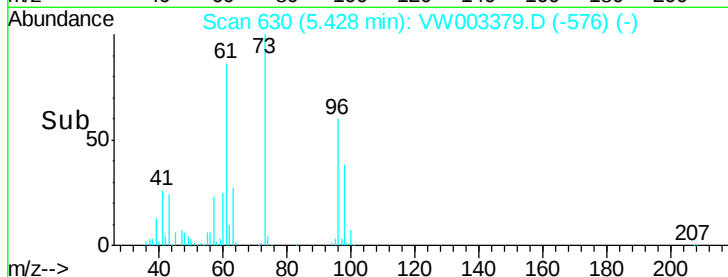
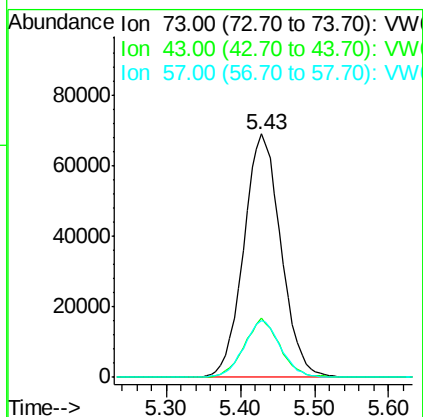
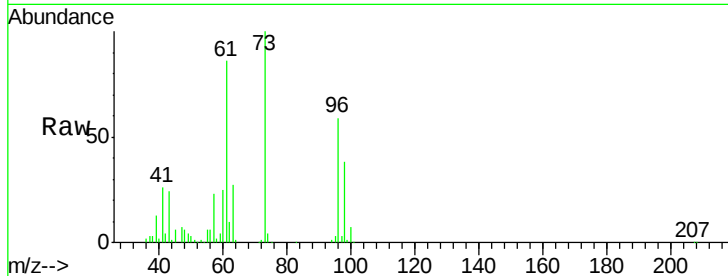




#17
Methyl tert-butyl Ether
Concen: 24.767 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

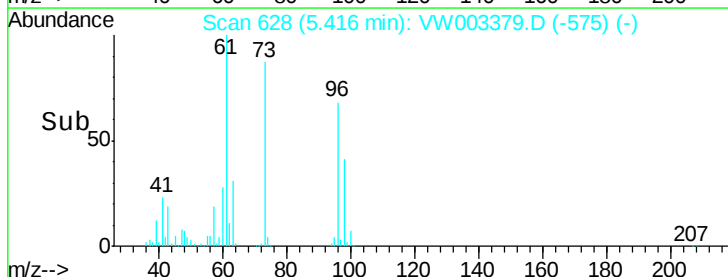
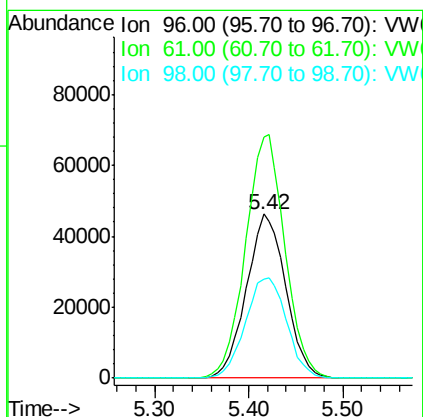
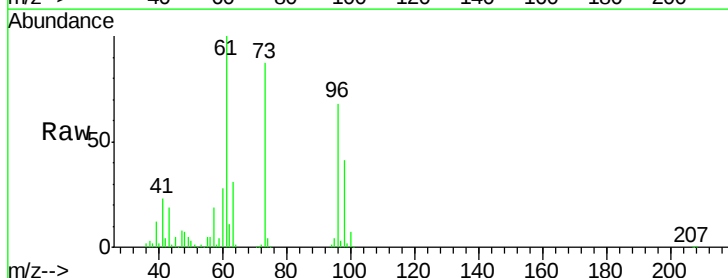
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

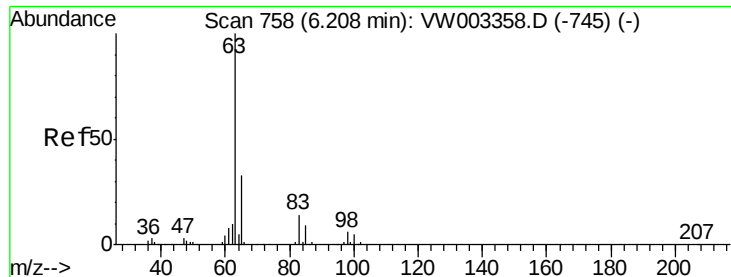
Tgt Ion: 73 Resp: 241395
Ion Ratio Lower Upper
73 100
43 22.9 18.6 27.8
57 22.9 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 24.591 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

Tgt Ion: 96 Resp: 135357
Ion Ratio Lower Upper
96 100
61 147.1 98.0 182.0
98 60.5 44.2 82.2

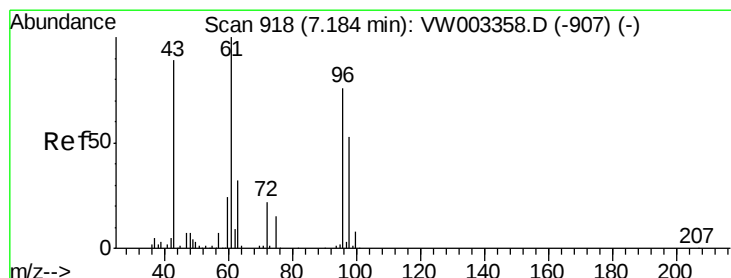
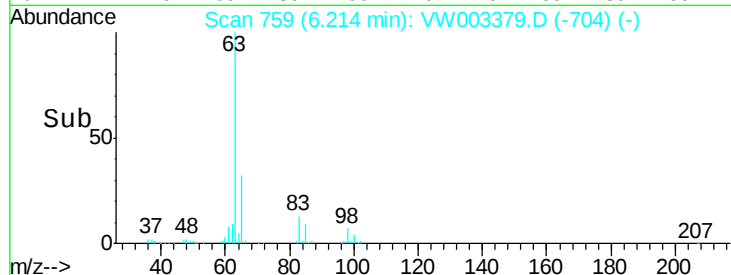
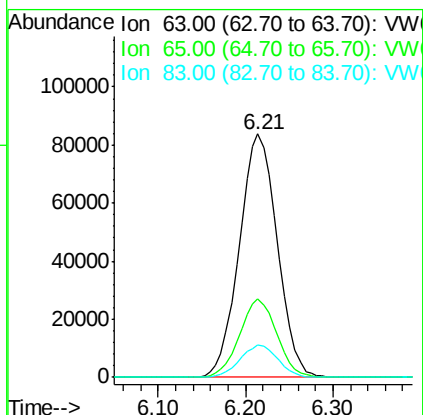
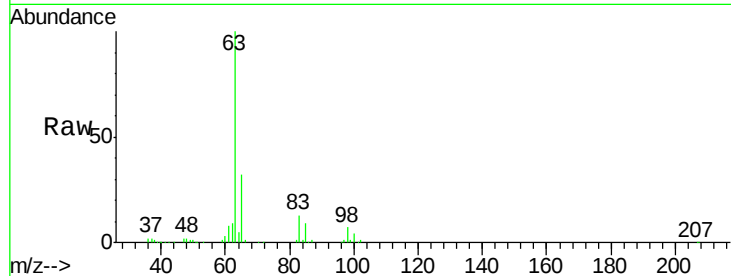




#19
 1,1-Dichloroethane
 Concen: 24.596 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

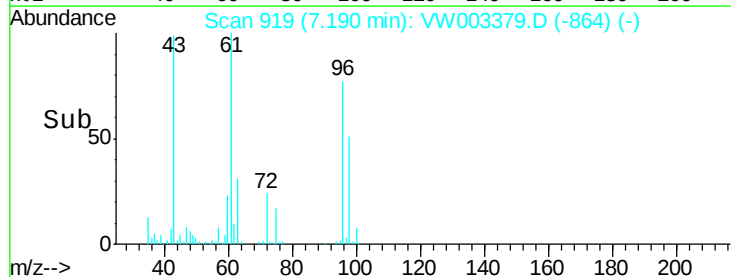
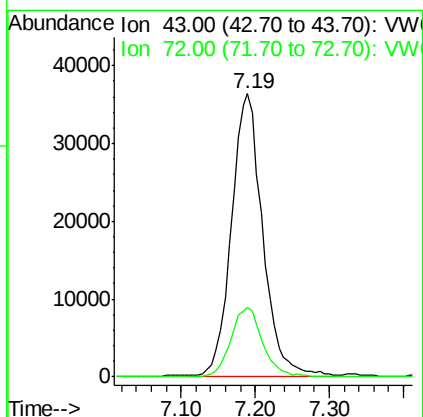
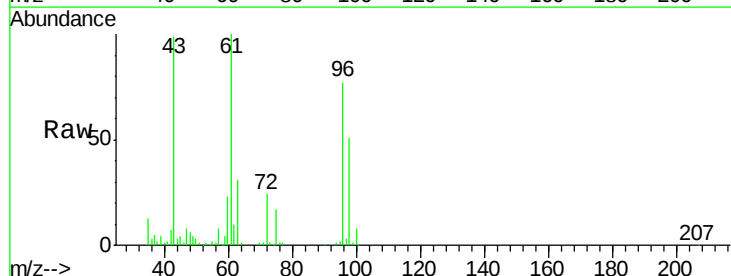
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

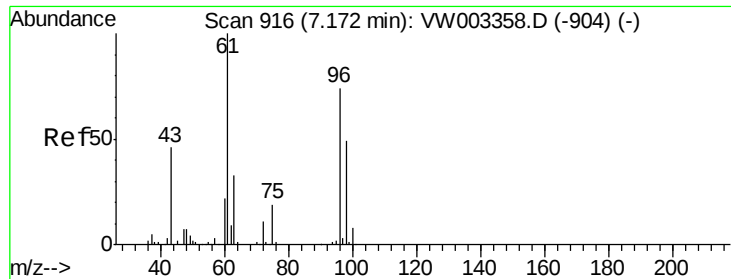
Tgt Ion: 63 Resp: 252650
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 13.5 9.0 16.6



#21
 2-Butanone
 Concen: 47.614 ug/L
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion: 43 Resp: 107711
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.5 37.5

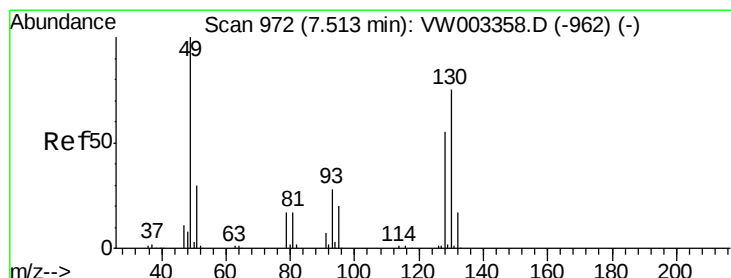
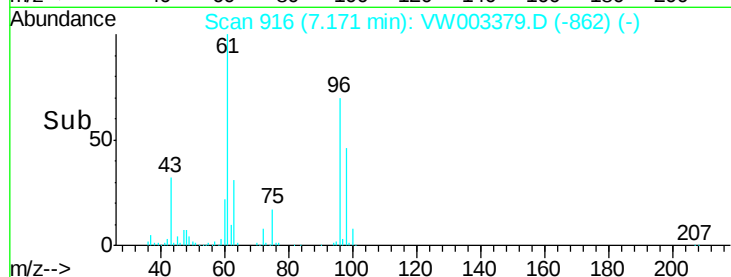
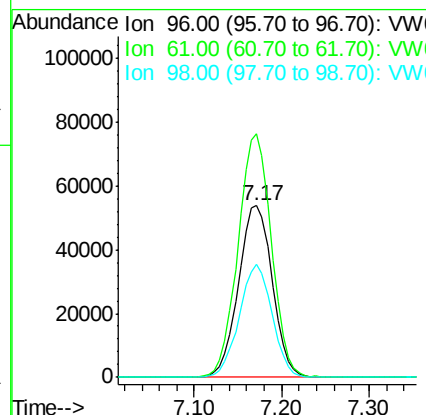
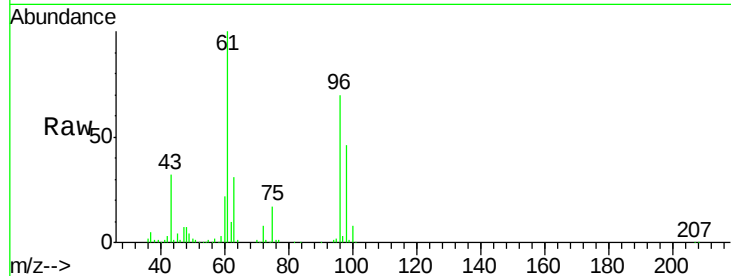




#22
 cis-1,2-Dichloroethene
 Concen: 24.761 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

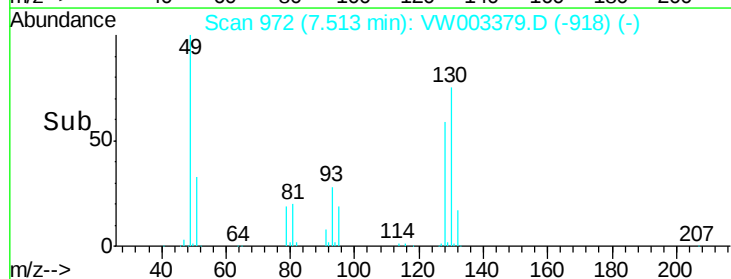
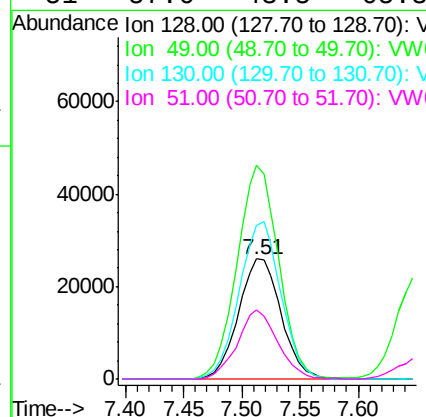
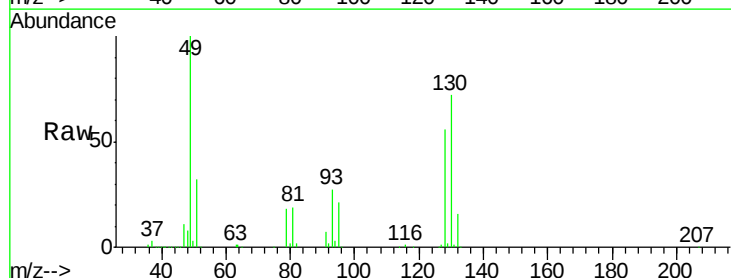
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02594

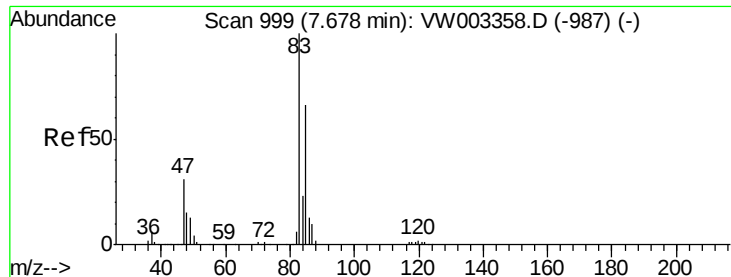
Tgt Ion: 96 Resp: 144844
 Ion Ratio Lower Upper
 96 100
 61 141.9 97.7 181.5
 98 65.7 45.0 83.6



#23
 Bromochloromethane
 Concen: 24.427 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion: 128 Resp: 66102
 Ion Ratio Lower Upper
 128 100
 49 177.9 122.0 226.6
 130 127.6 88.1 163.5
 51 57.6 43.5 65.3





#25

Chloroform

Concen: 24.756 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

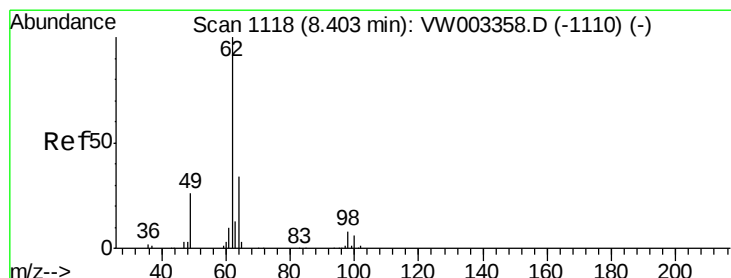
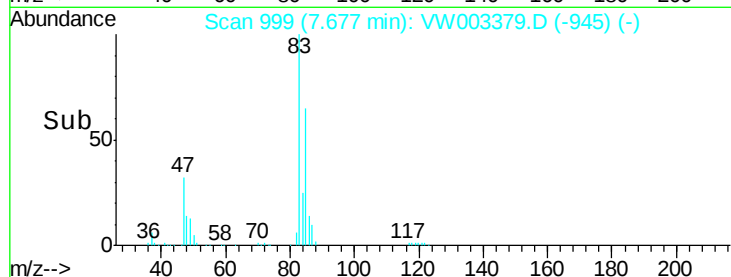
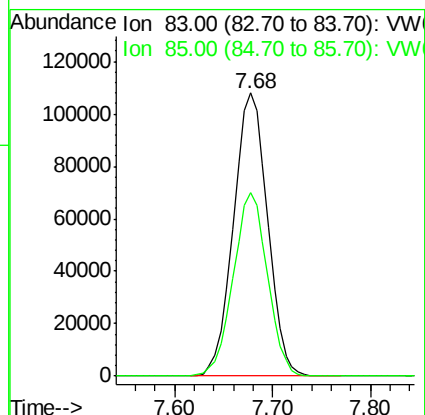
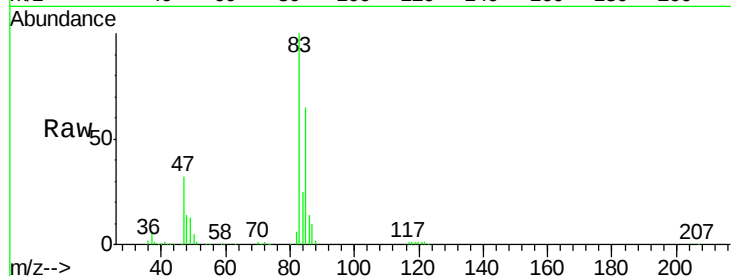
VSTD02594

Tgt Ion: 83 Resp: 261440

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 24.508 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003379.D

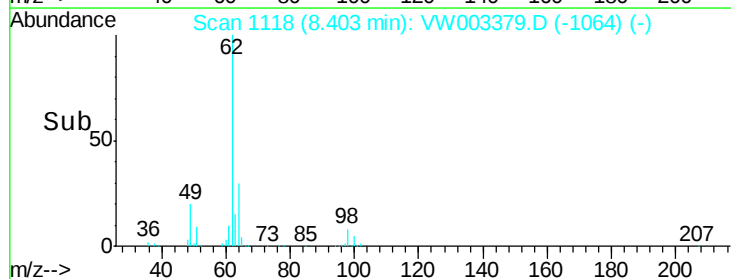
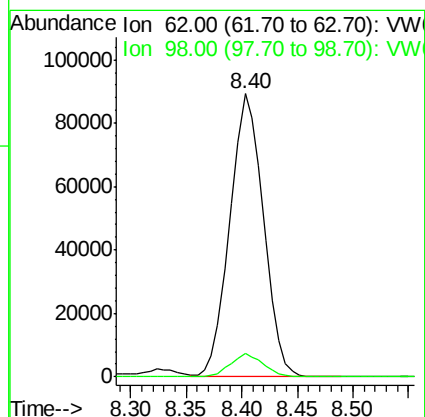
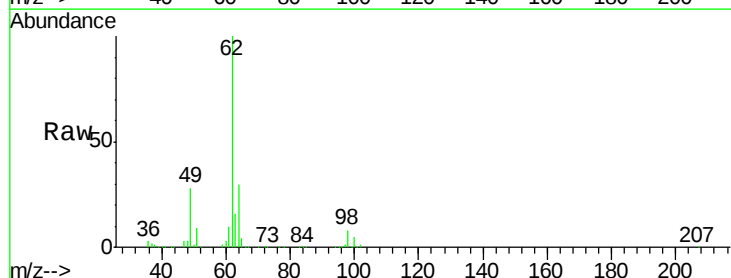
Acq: 21 Jun 2018 10:10

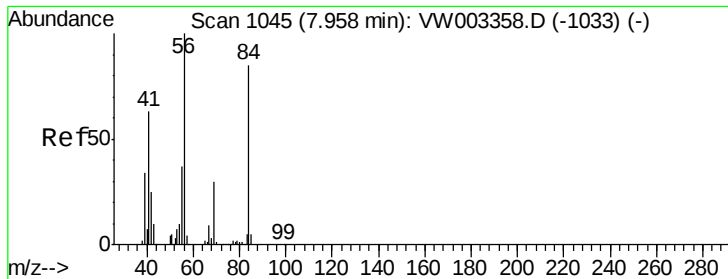
Tgt Ion: 62 Resp: 187428

Ion Ratio Lower Upper

62 100

98 8.4 6.5 9.7

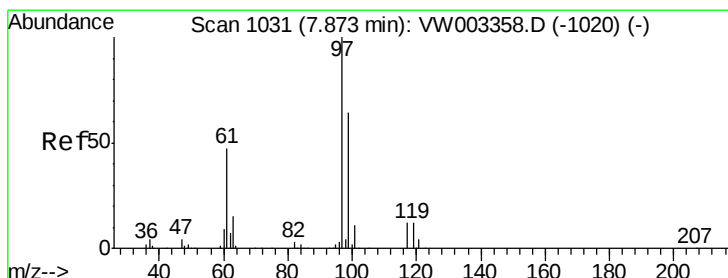
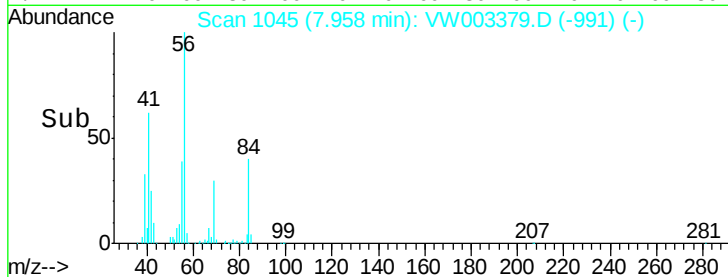
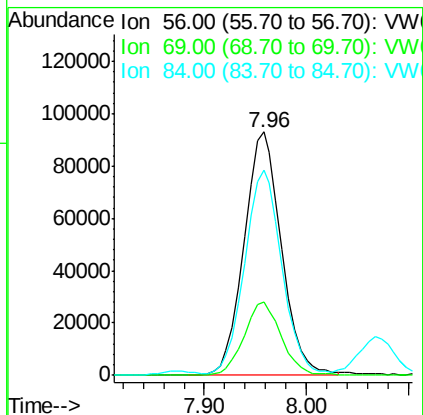
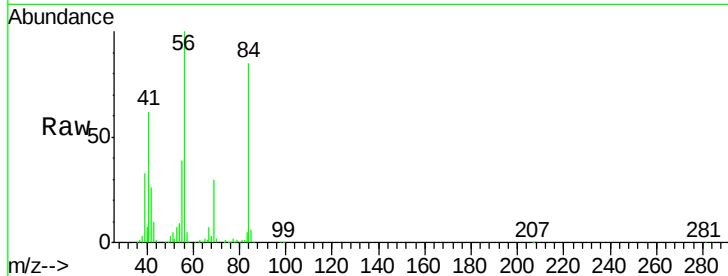




#30
Cyclohexane
Concen: 26.454 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

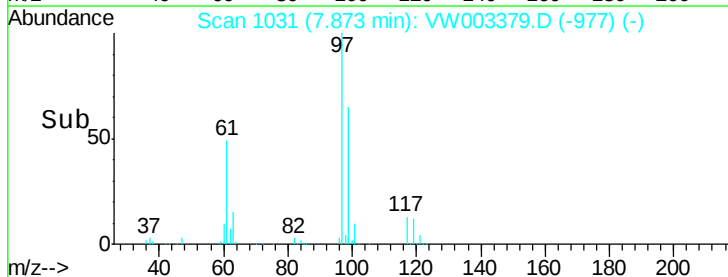
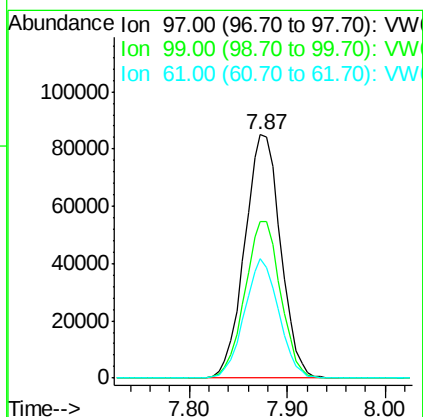
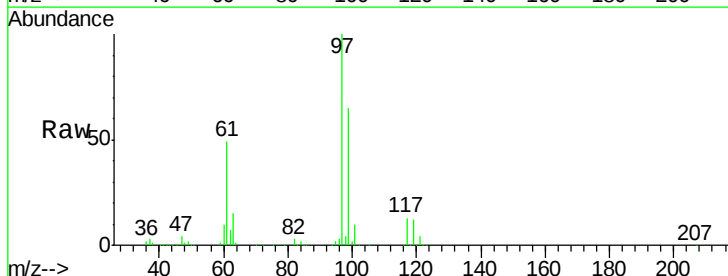
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

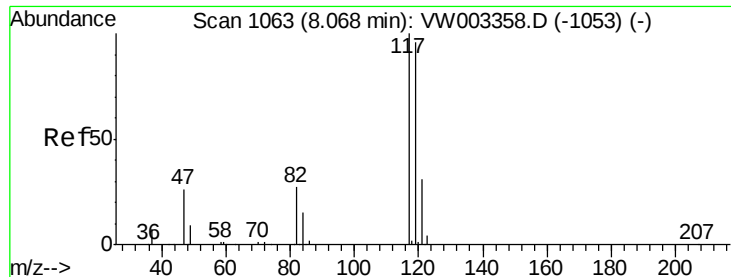
Tgt Ion: 56 Resp: 237173
Ion Ratio Lower Upper
56 100
69 30.1 23.4 35.2
84 84.6 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 25.347 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

Tgt Ion: 97 Resp: 216249
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 46.9 37.7 56.5





#32

Carbon tetrachloride

Concen: 25.276 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

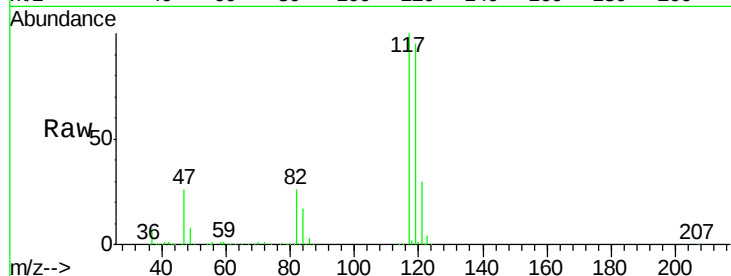
VSTD02594

Tgt Ion:117 Resp: 208332

Ion Ratio Lower Upper

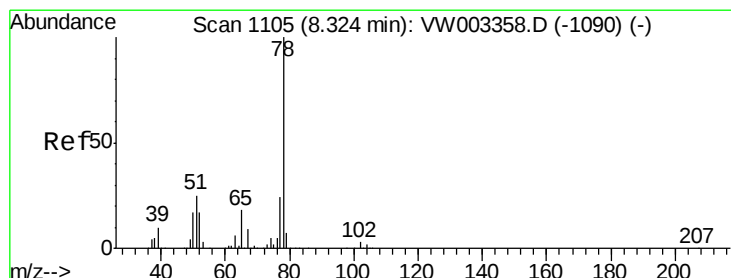
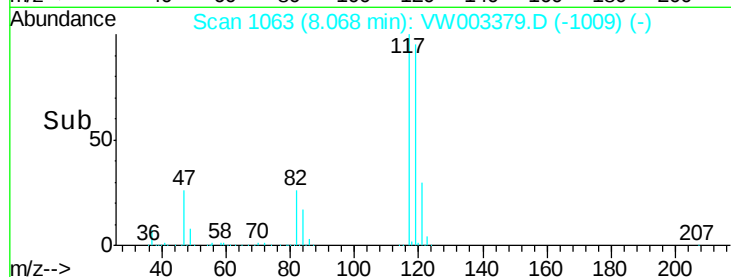
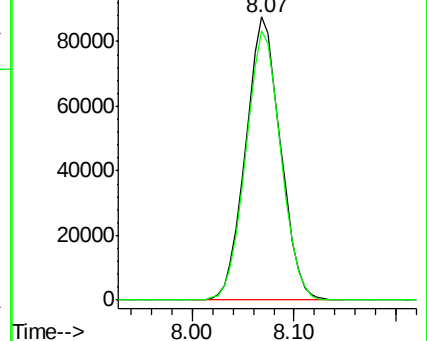
117 100

119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.672 ug/L

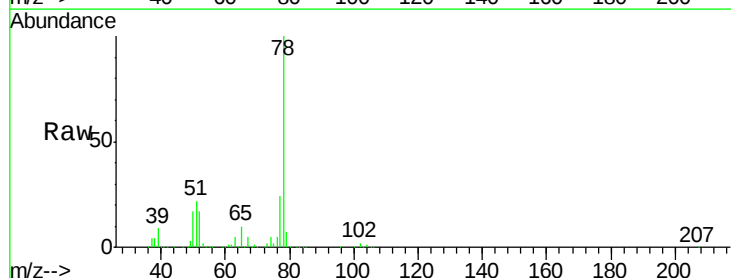
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

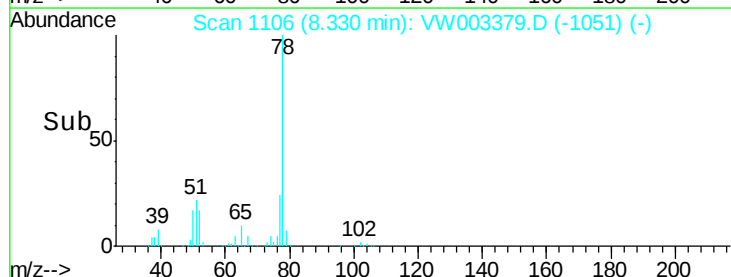
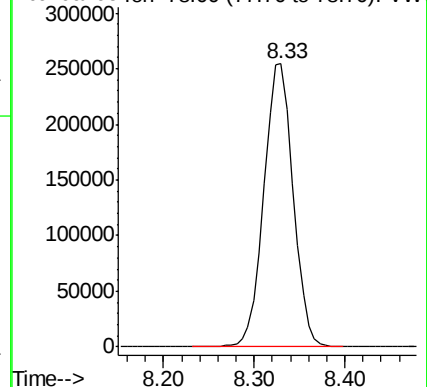
Lab File: VW003379.D

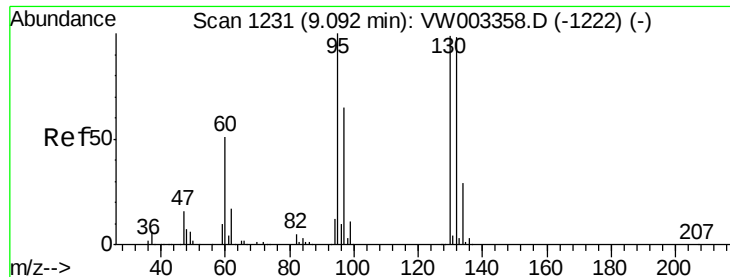
Acq: 21 Jun 2018 10:10

Tgt Ion: 78 Resp: 568491



Abundance Ion 78.00 (77.70 to 78.70): VW

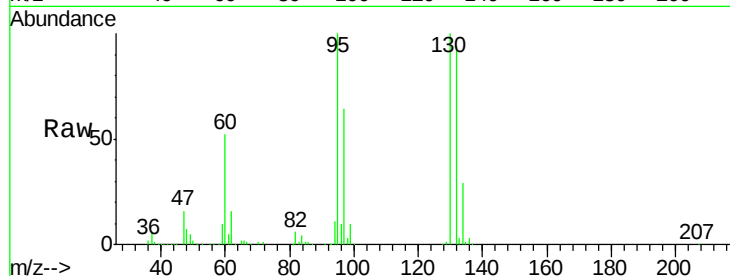




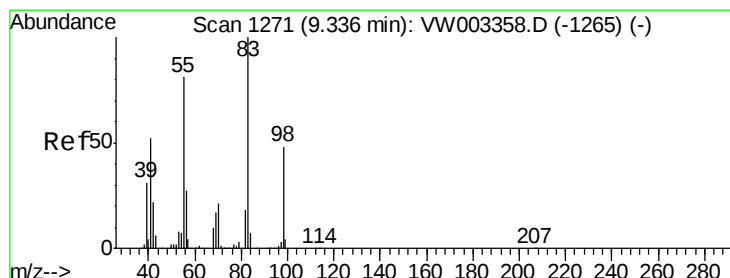
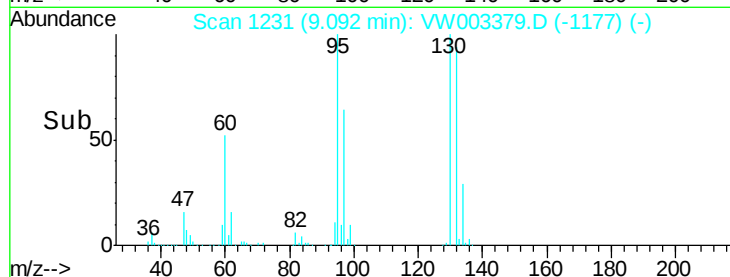
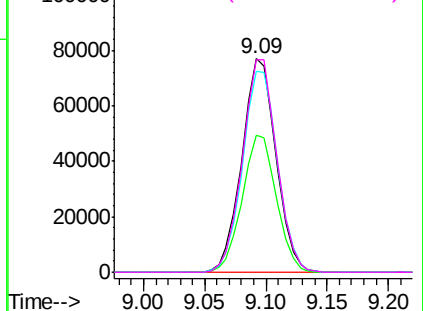
#35
 Trichloroethene
 Concen: 25.044 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion: 95 Resp: 149472
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.6 84.6
 132 96.4 67.8 125.8
 130 100.4 70.6 131.0

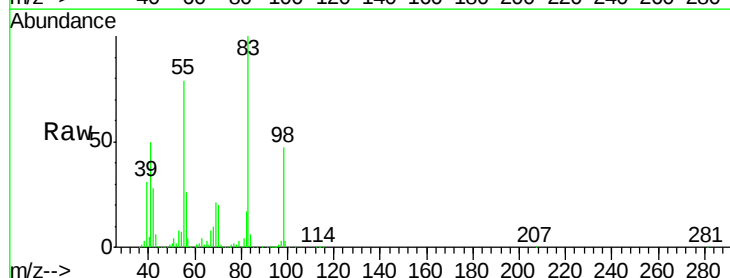


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

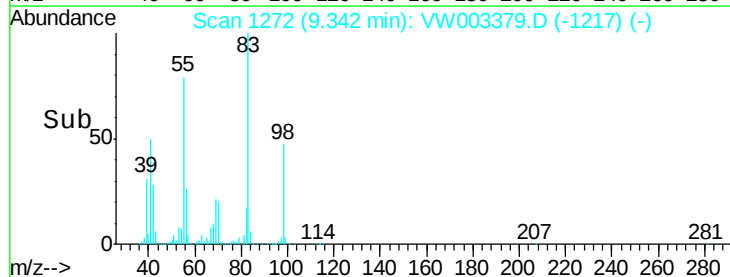
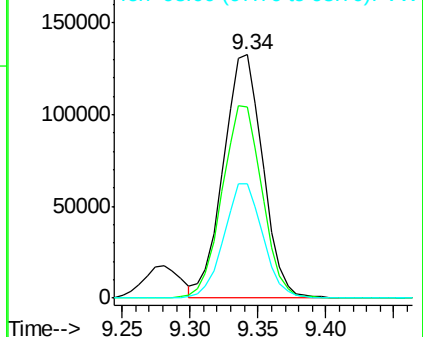


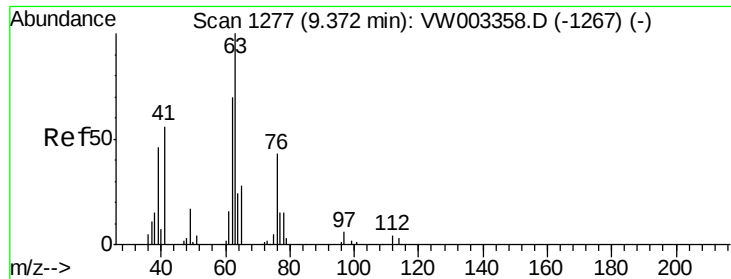
#36
 Methylcyclohexane
 Concen: 26.391 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion: 83 Resp: 268904
 Ion Ratio Lower Upper
 83 100
 55 79.9 63.9 95.9
 98 46.6 37.1 55.7



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

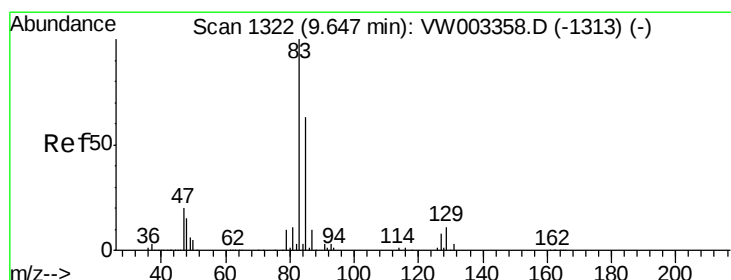
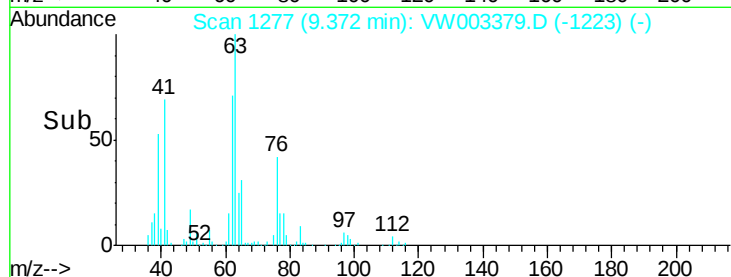
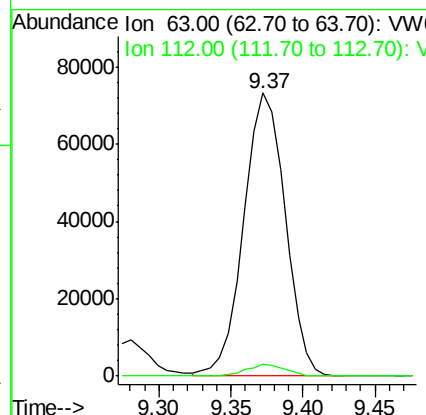
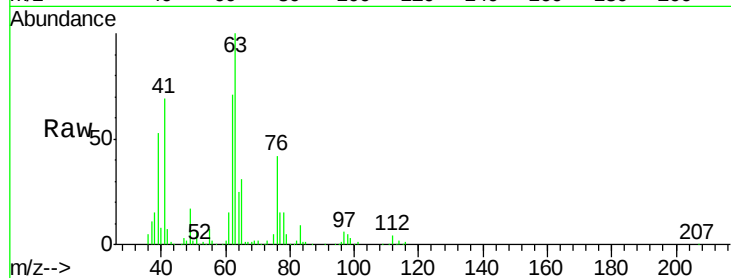




#40
 1,2-Dichloropropane
 Concen: 25.096 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

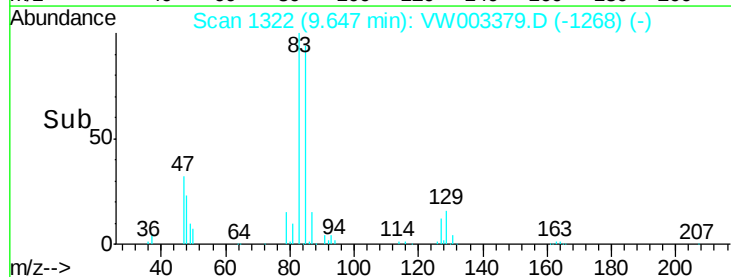
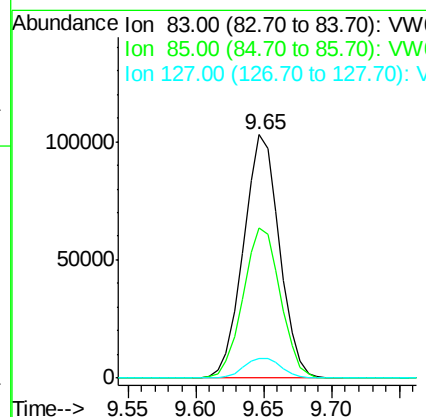
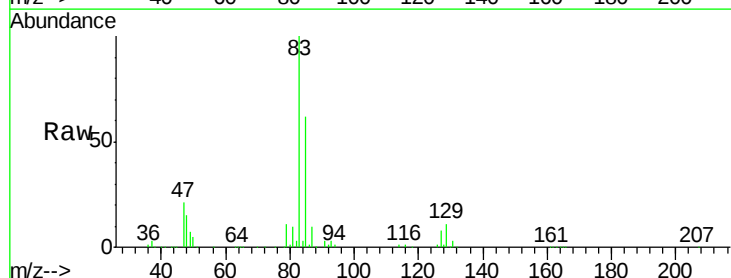
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

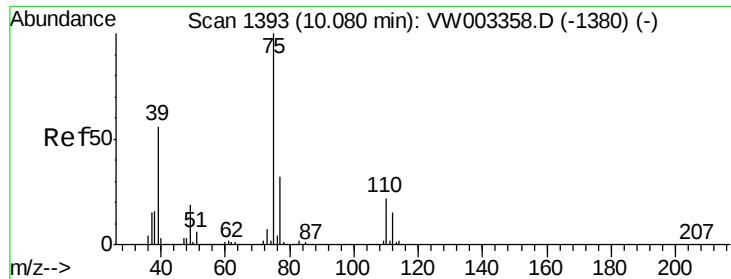
Tgt Ion: 63 Resp: 146246
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.446 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion: 83 Resp: 190597
 Ion Ratio Lower Upper
 83 100
 85 61.8 44.7 83.1
 127 8.2 6.2 9.2

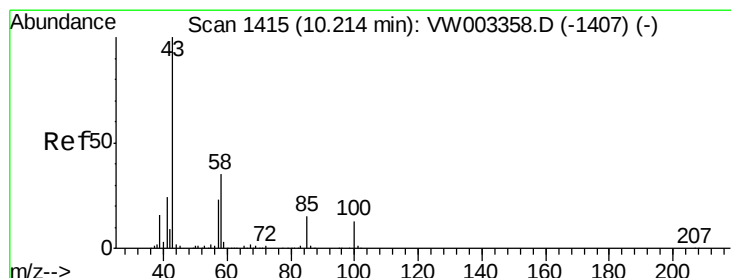
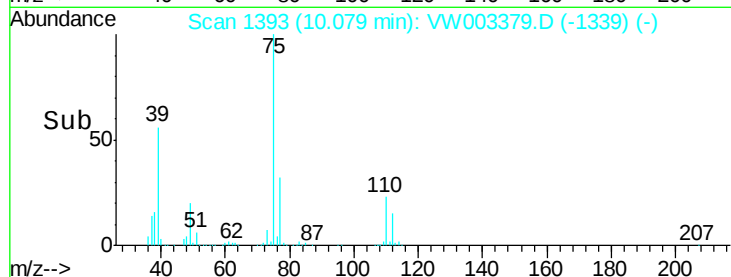
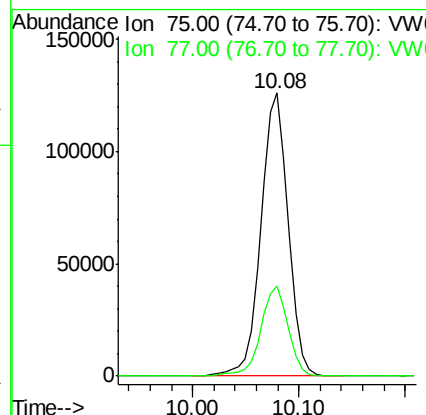
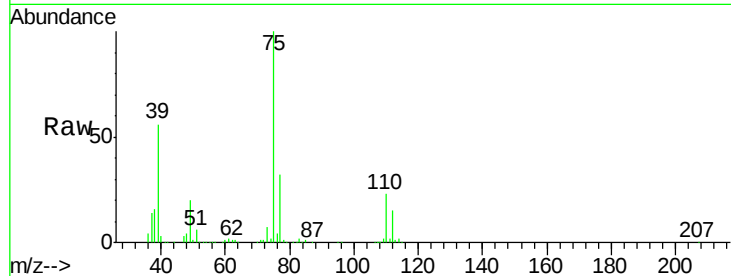




#42
 cis-1,3-Dichloropropene
 Concen: 26.027 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

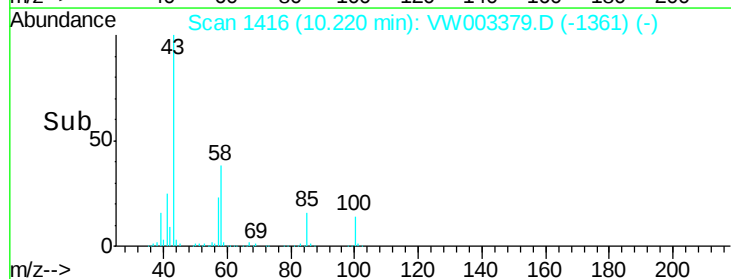
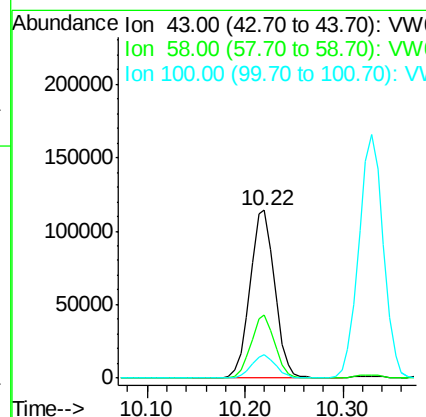
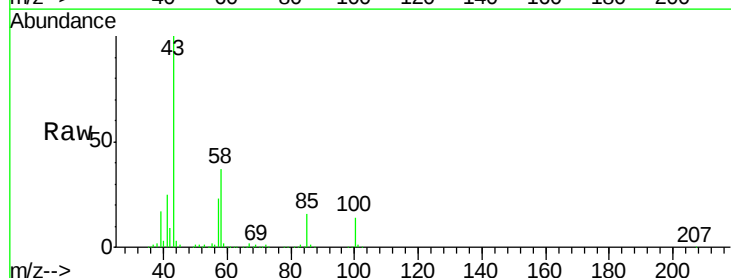
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

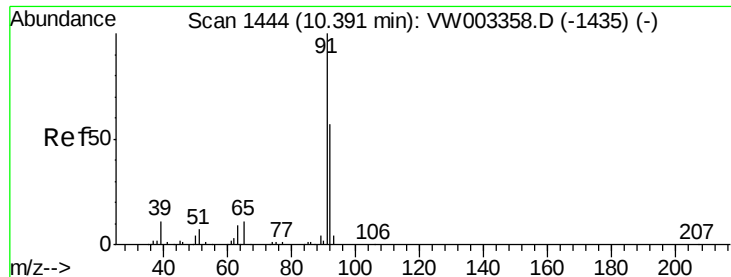
Tgt Ion: 75 Resp: 226357
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.8 40.6



#43
 4-Methyl-2-pentanone
 Concen: 48.071 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion: 43 Resp: 200127
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.7 43.1
 100 13.5 11.1 16.7





#44

Toluene

Concen: 25.885 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

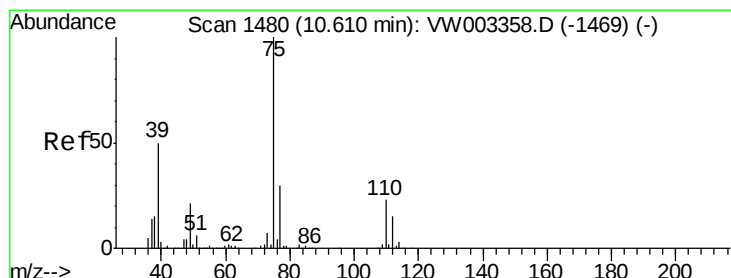
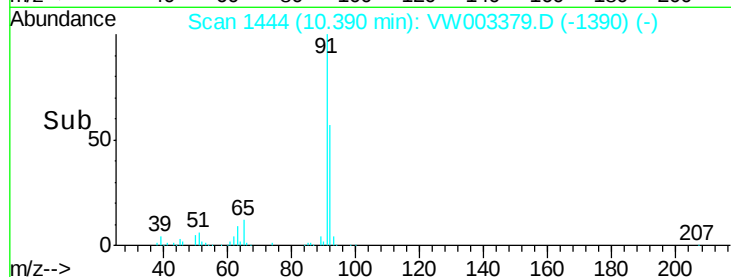
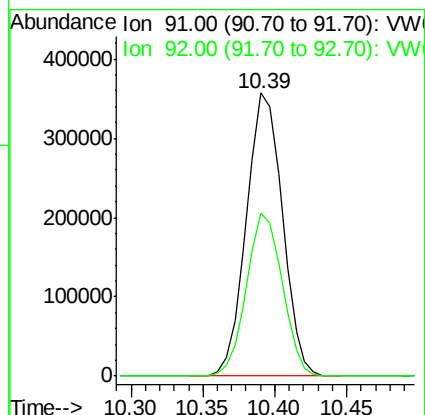
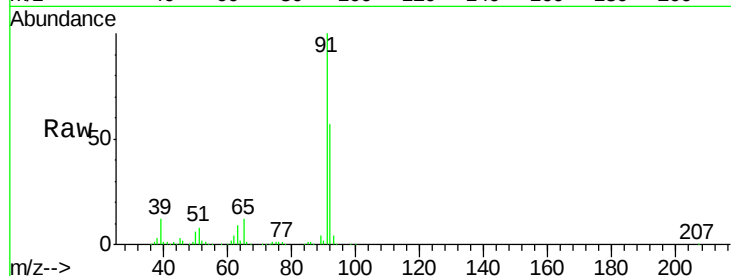
VSTD02594

Tgt Ion: 91 Resp: 621658

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.973 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003379.D

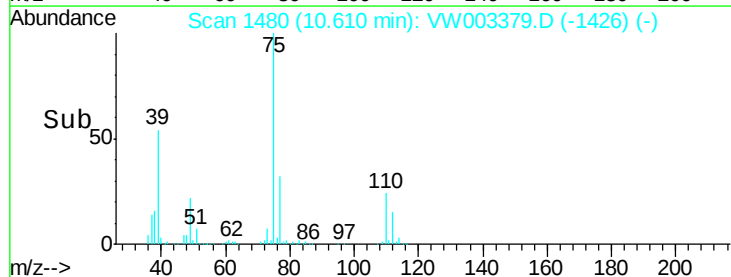
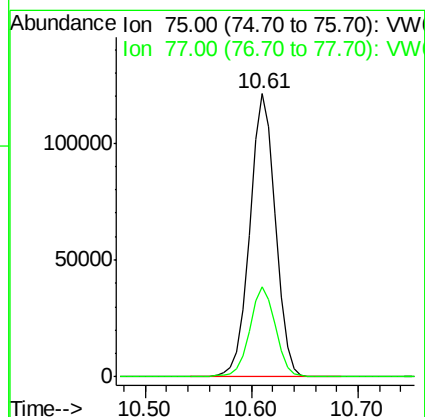
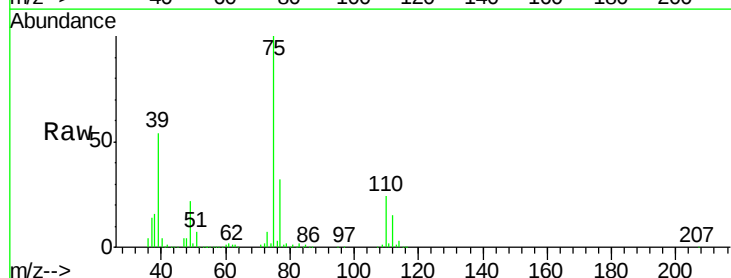
Acq: 21 Jun 2018 10:10

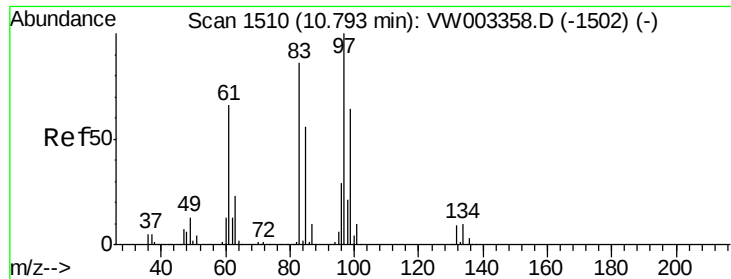
Tgt Ion: 75 Resp: 204403

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6

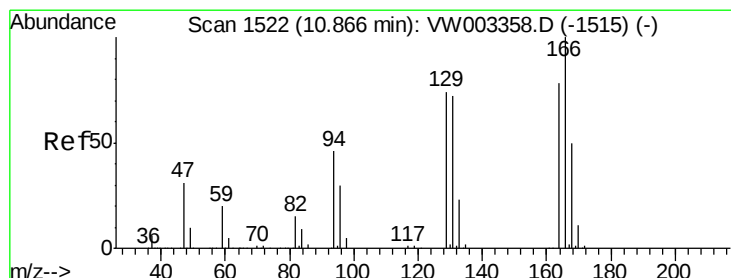
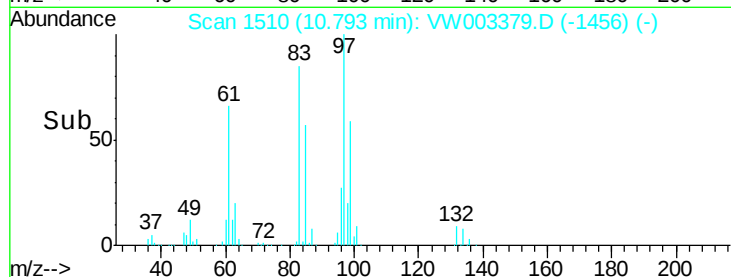
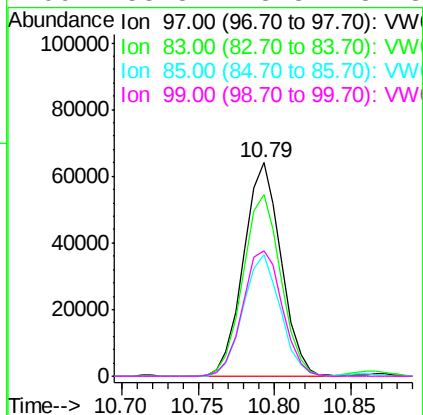
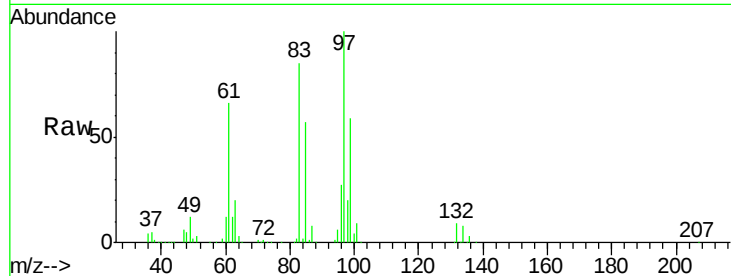




#46
 1,1,2-Trichloroethane
 Concen: 25.126 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

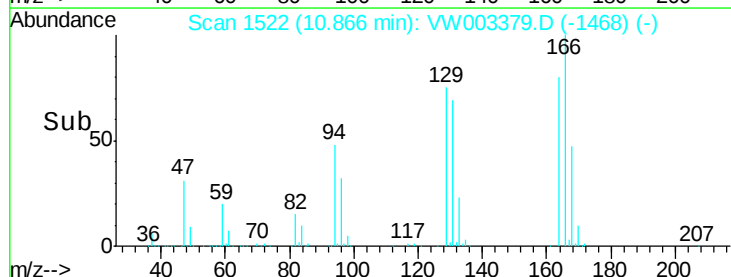
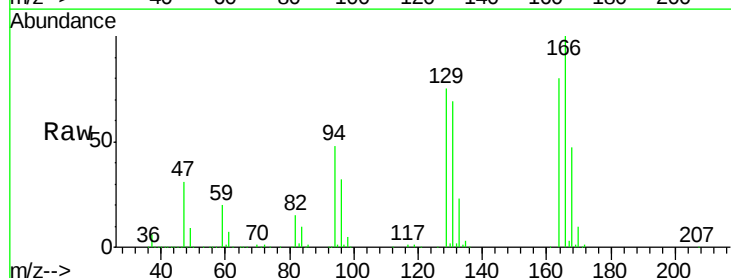
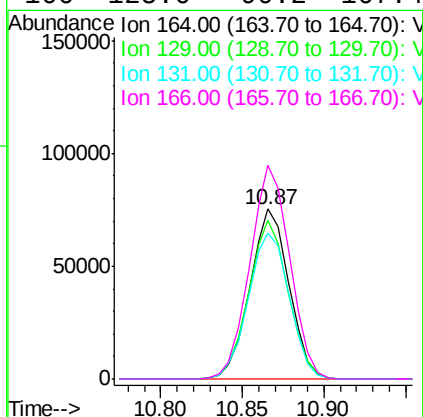
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

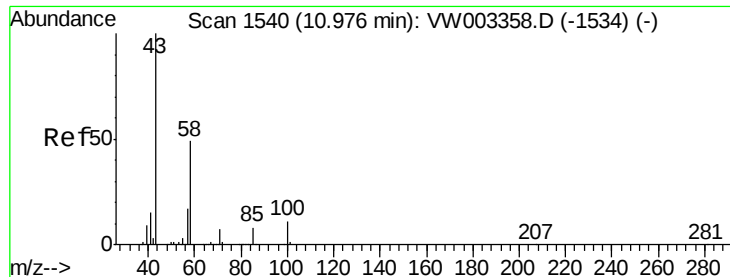
Tgt Ion: 97 Resp: 109306
 Ion Ratio Lower Upper
 97 100
 83 85.3 58.8 109.2
 85 57.0 38.8 72.0
 99 58.8 43.8 81.3



#47
 Tetrachloroethene
 Concen: 25.090 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion: 164 Resp: 125837
 Ion Ratio Lower Upper
 164 100
 129 93.6 67.3 124.9
 131 86.0 63.8 118.4
 166 125.6 90.2 167.4





#49

2-Hexanone

Concen: 52.534 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion: 43 Resp: 162981

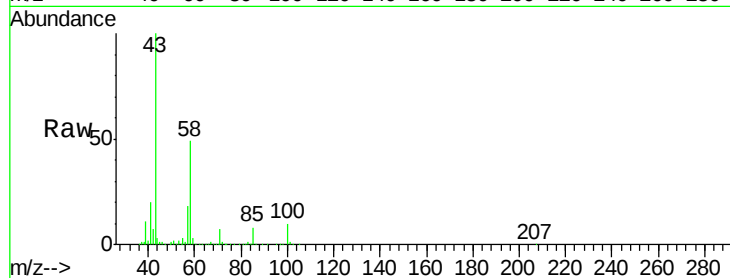
Ion Ratio Lower Upper

43 100

58 50.2 40.4 60.6

57 17.9 14.6 21.8

100 10.4 8.6 12.8

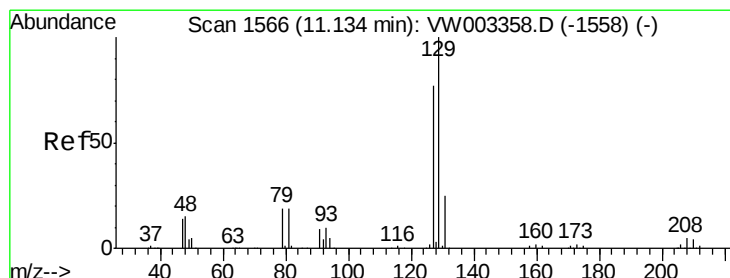
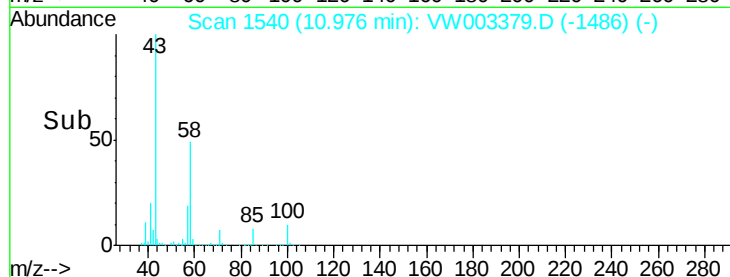
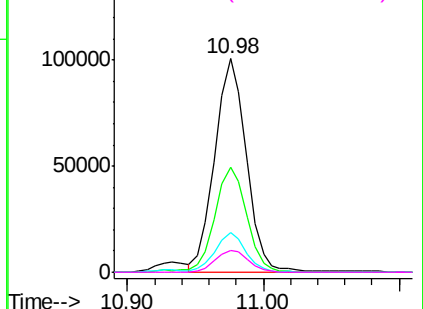


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.267 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW003379.D

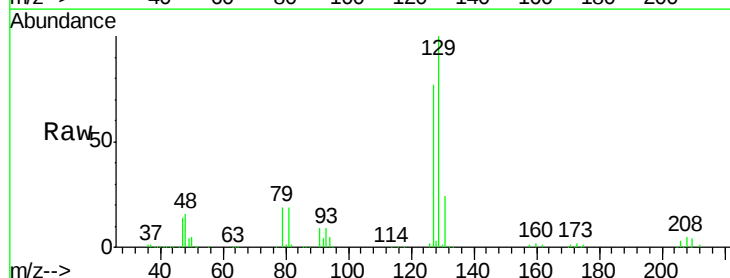
Acq: 21 Jun 2018 10:10

Tgt Ion: 129 Resp: 133812

Ion Ratio Lower Upper

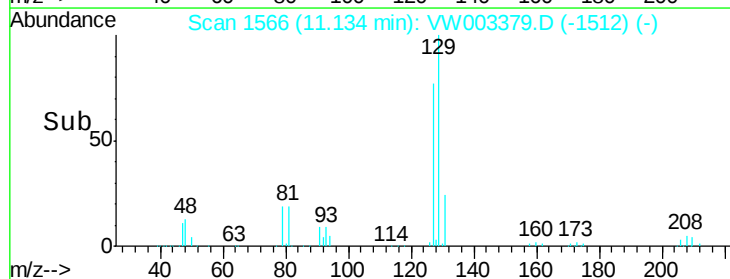
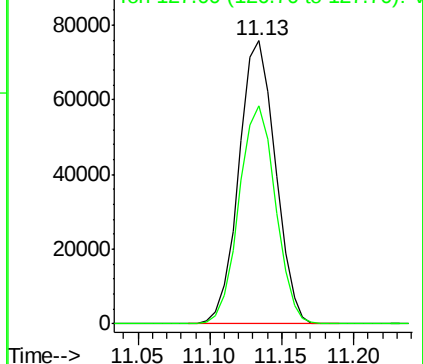
129 100

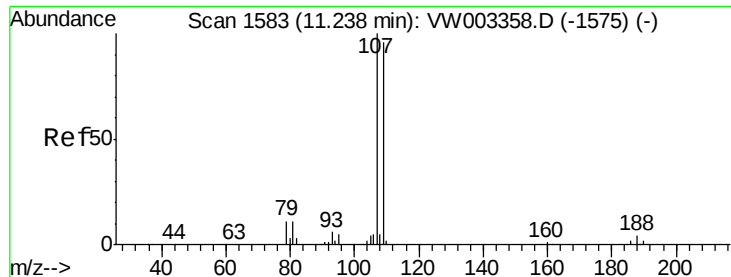
127 77.1 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

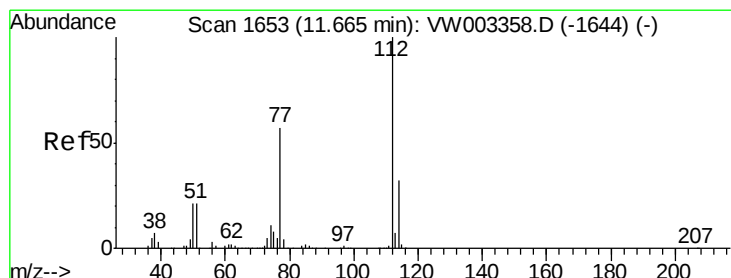
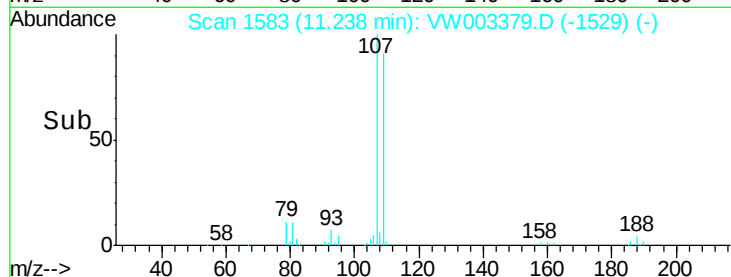
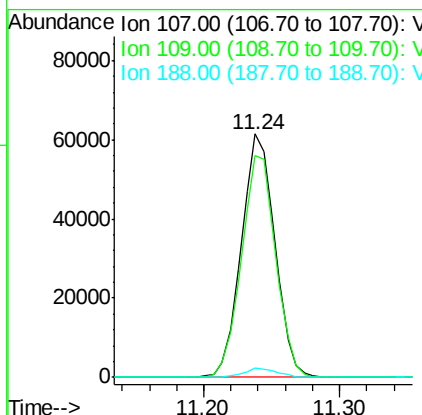
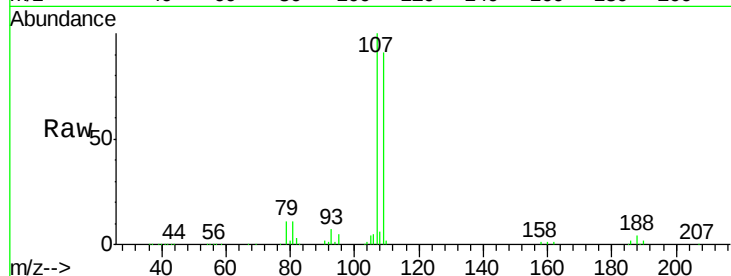




#51
1,2-Dibromoethane
Concen: 24.495 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

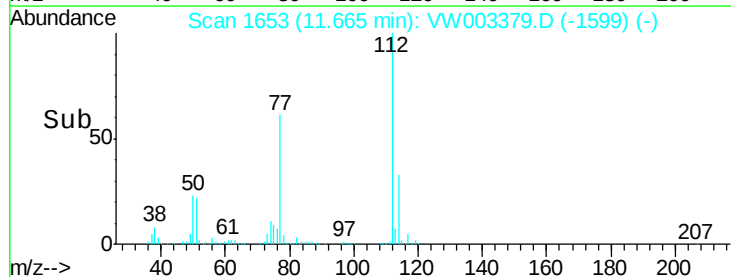
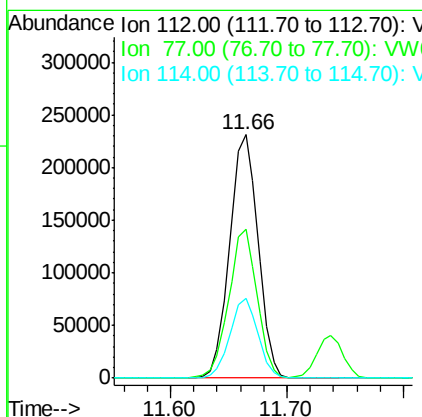
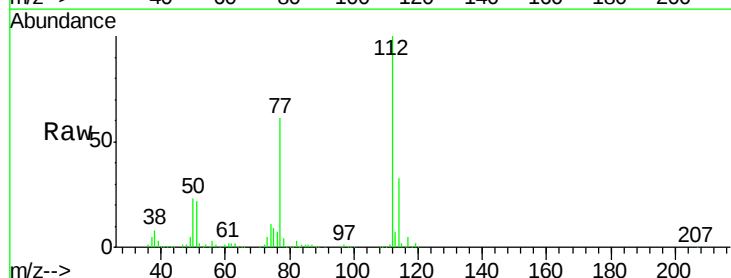
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

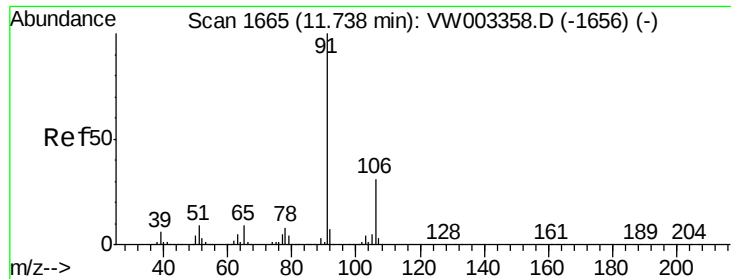
Tgt Ion:107 Resp: 105893
Ion Ratio Lower Upper
107 100
109 90.9 64.5 119.9
188 3.7 2.8 4.2



#52
Chlorobenzene
Concen: 25.156 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

Tgt Ion:112 Resp: 392311
Ion Ratio Lower Upper
112 100
77 61.1 47.3 70.9
114 32.7 22.2 41.2

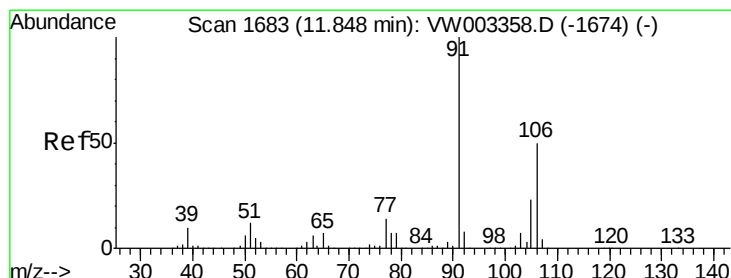
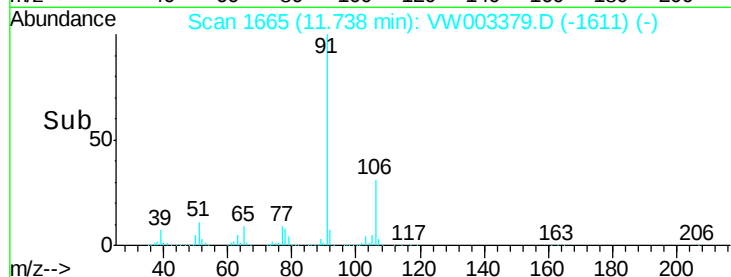
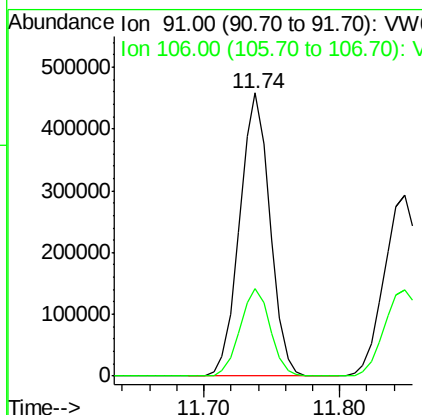
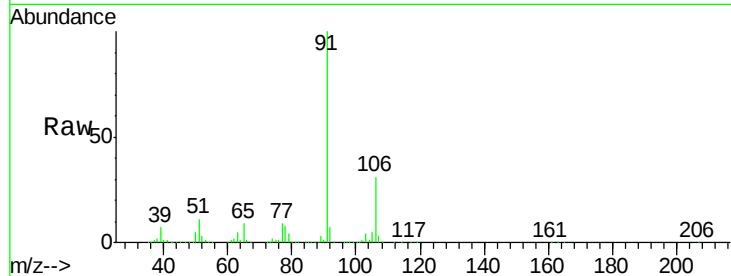




#53
Ethylbenzene
Concen: 26.404 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

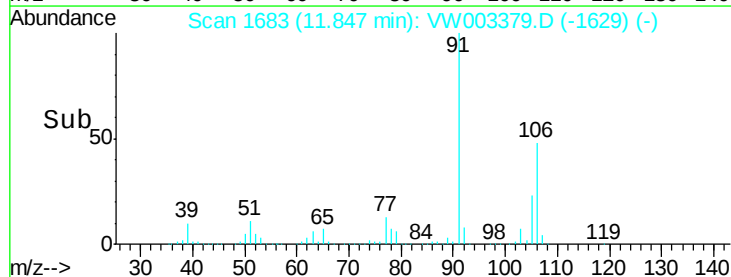
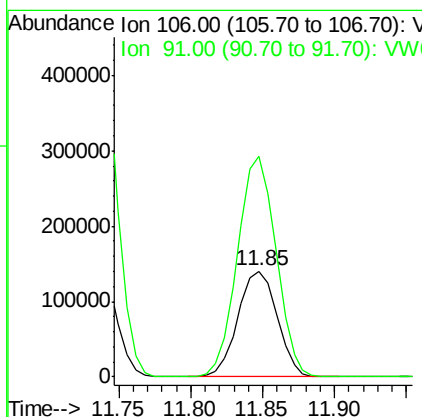
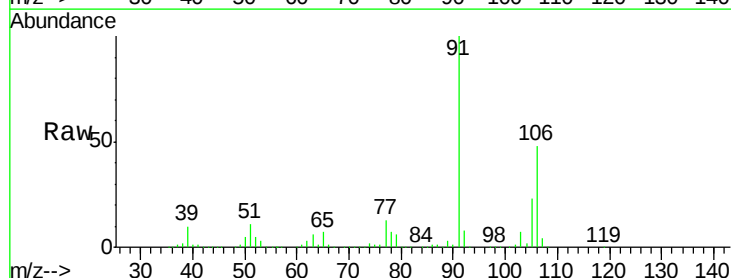
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

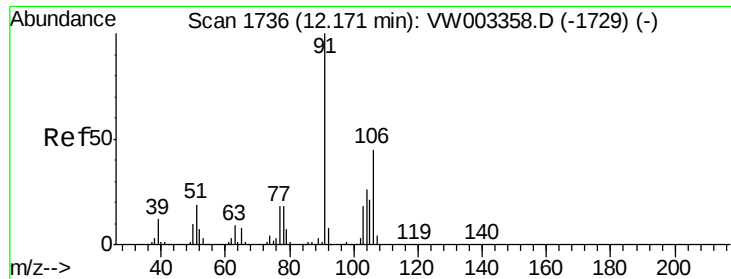
Tgt Ion: 91 Resp: 711245
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.4



#54
m,p-Xylene
Concen: 26.509 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

Tgt Ion: 106 Resp: 265209
Ion Ratio Lower Upper
106 100
91 209.7 146.4 271.8

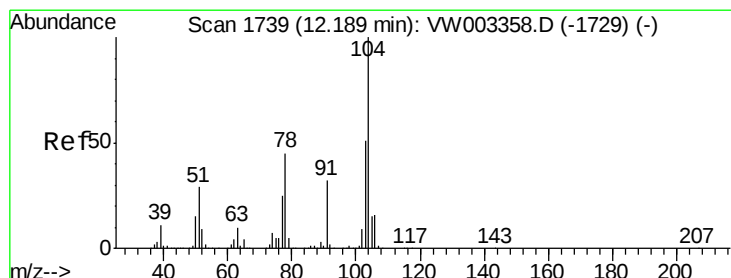
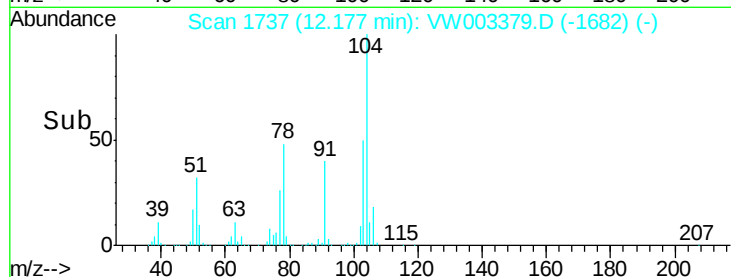
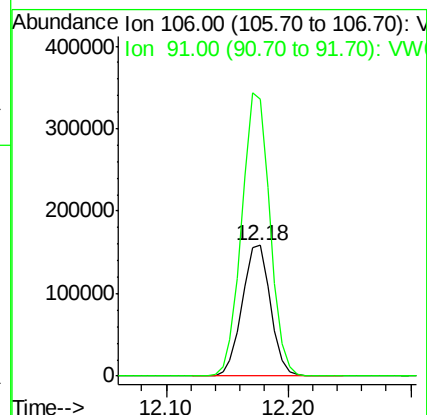
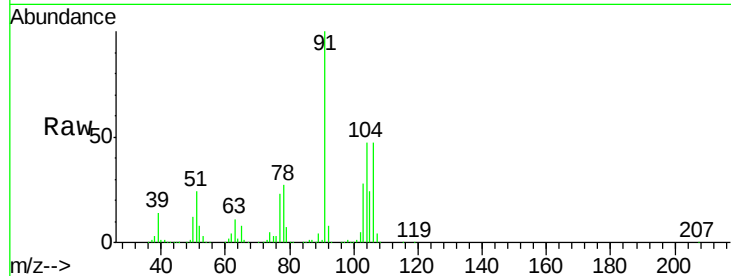




#55
o-xylene
Concen: 26.672 ug/L
RT: 12.18 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

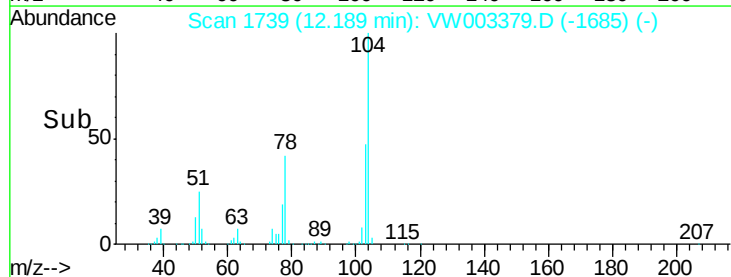
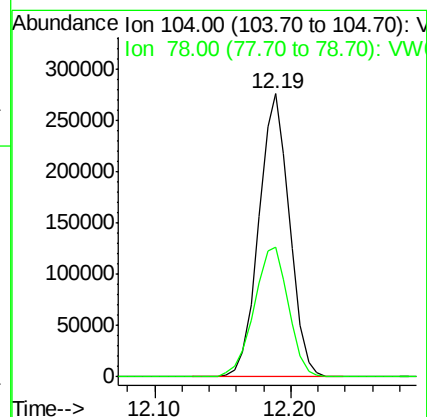
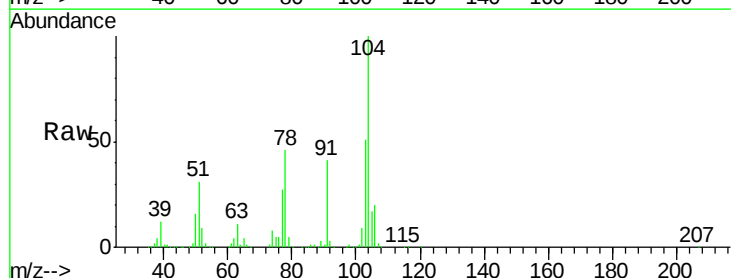
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

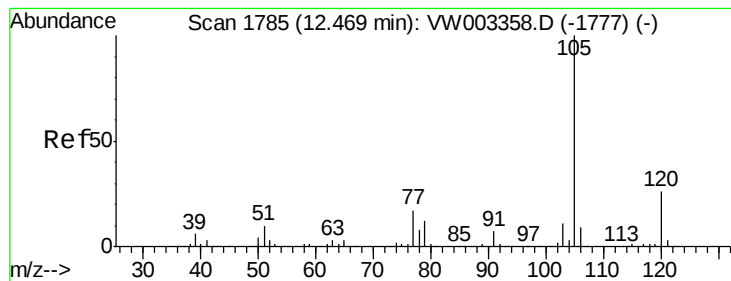
Tgt Ion:106 Resp: 253826
Ion Ratio Lower Upper
106 100
91 211.7 153.4 285.0



#56
Styrene
Concen: 26.530 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003379.D
Acq: 21 Jun 2018 10:10

Tgt Ion:104 Resp: 435897
Ion Ratio Lower Upper
104 100
78 45.9 32.1 59.7





#57

Isopropylbenzene

Concen: 26.824 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

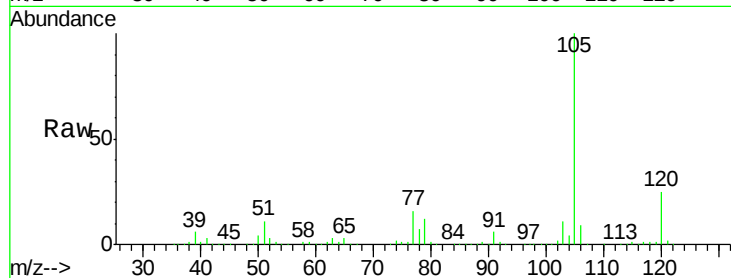
Tgt Ion: 105 Resp: 708255

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

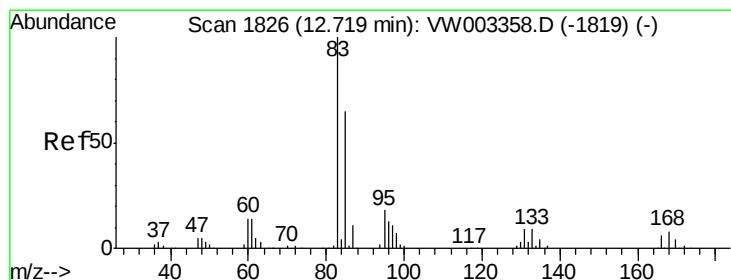
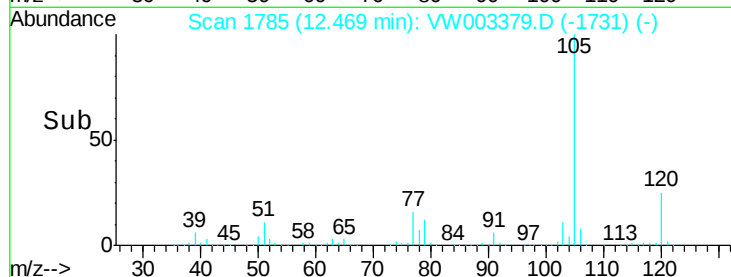
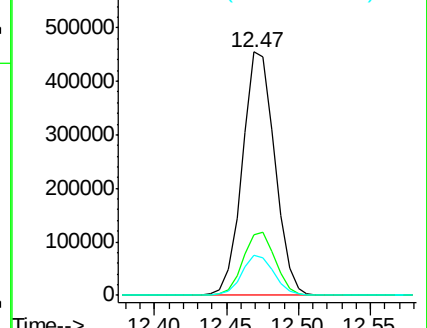
77 16.3 13.3 19.9



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: 24.030 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

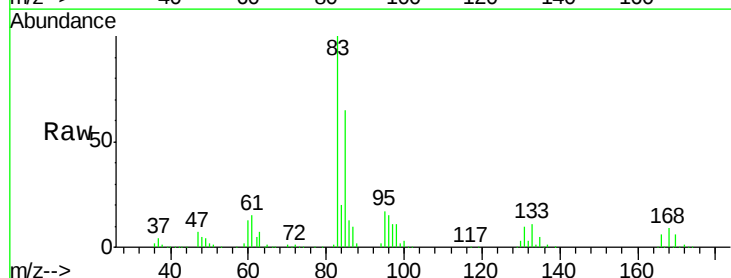
Tgt Ion: 83 Resp: 137812

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

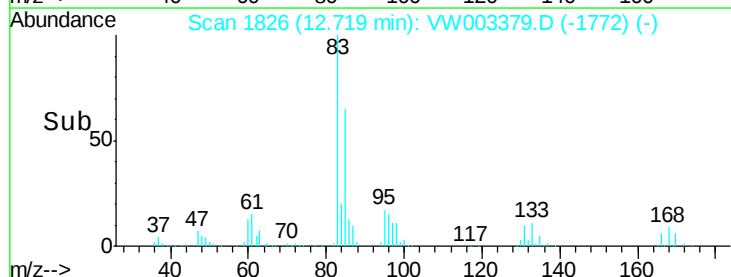
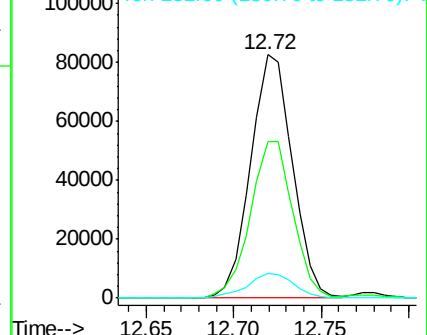
131 10.4 8.2 12.2

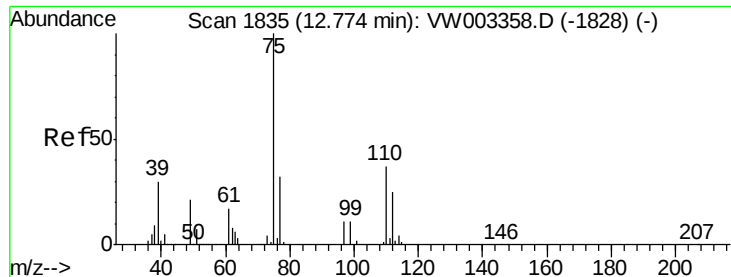


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.285 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

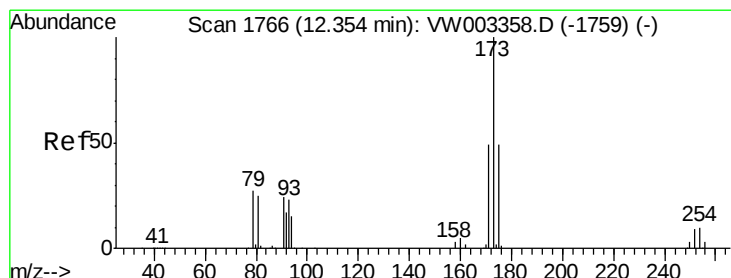
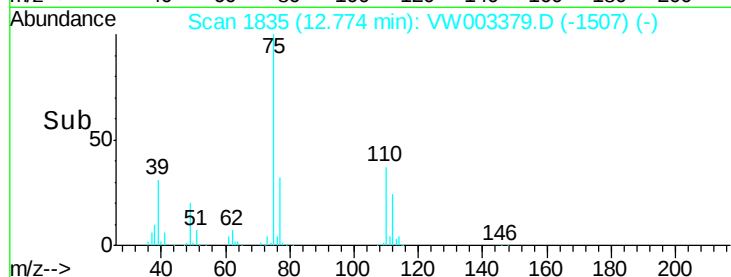
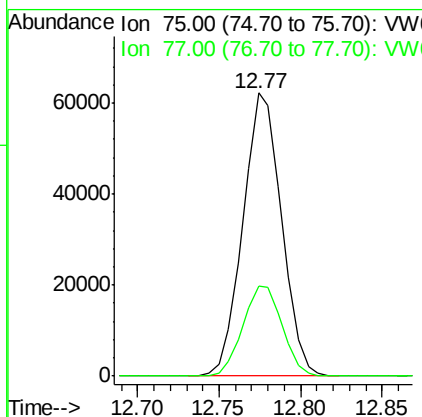
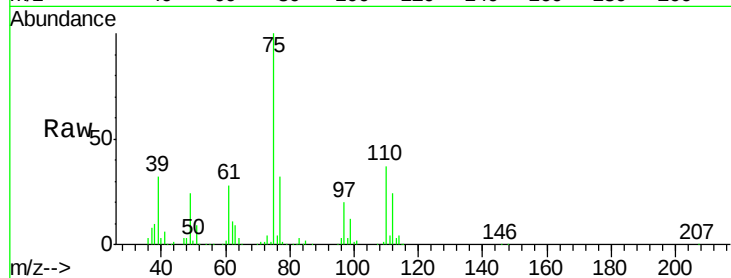
VSTD02594

Tgt Ion: 75 Resp: 102341

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



#62

Bromoform

Concen: 23.782 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

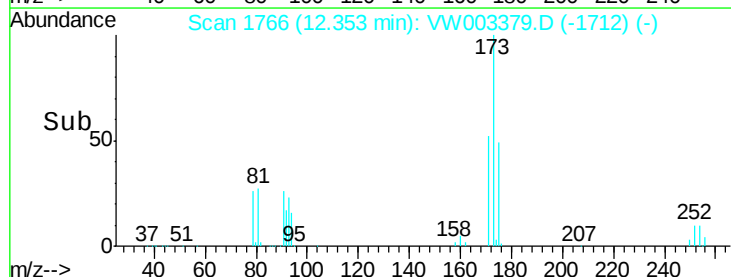
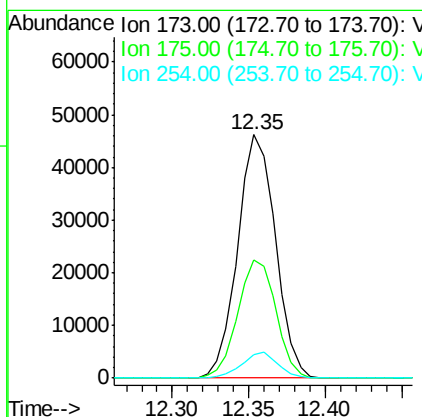
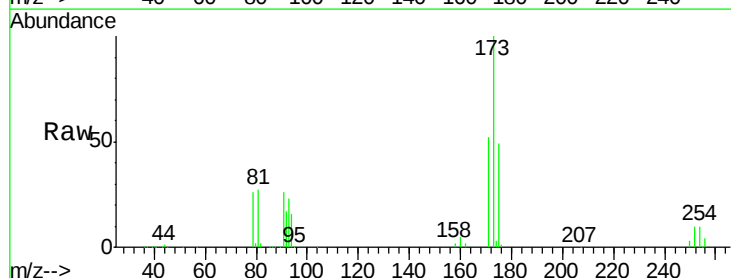
Tgt Ion: 173 Resp: 79587

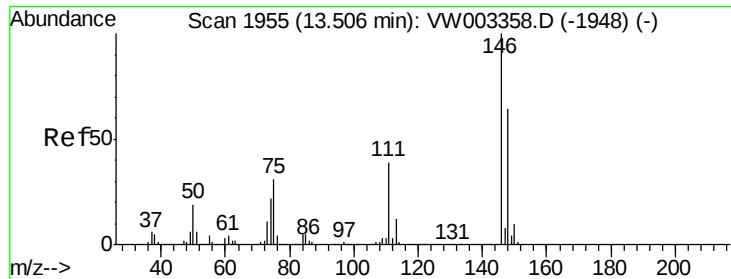
Ion Ratio Lower Upper

173 100

175 49.0 39.9 59.9

254 10.0 7.7 11.5

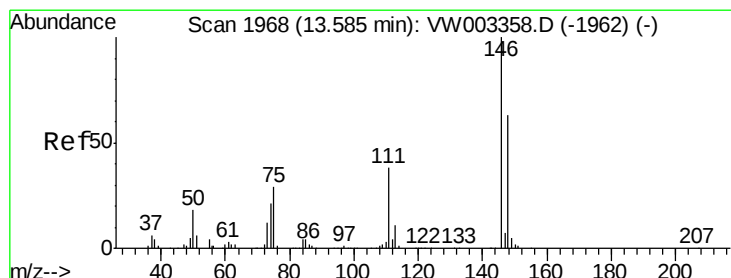
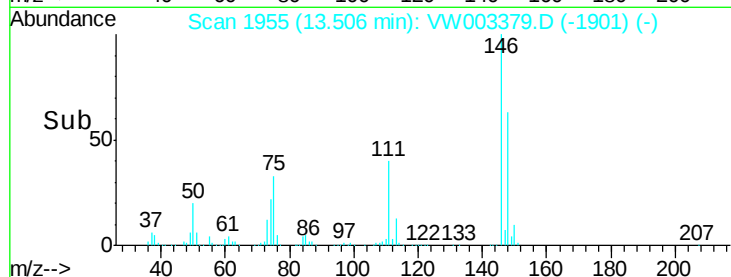
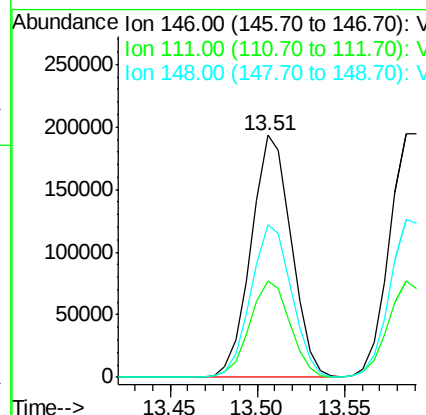
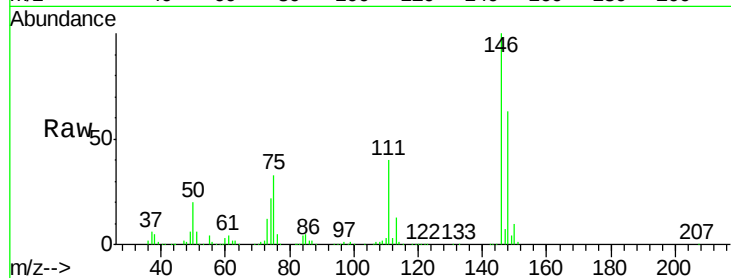




#63
 1,3-Dichlorobenzene
 Concen: 25.300 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

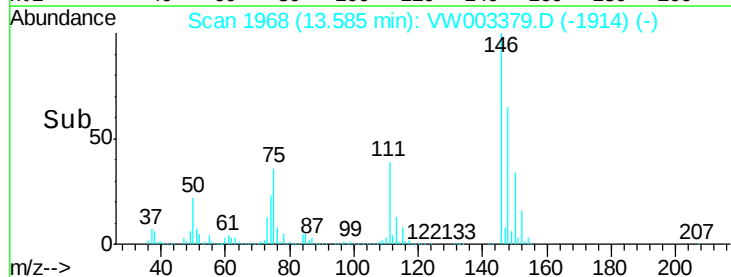
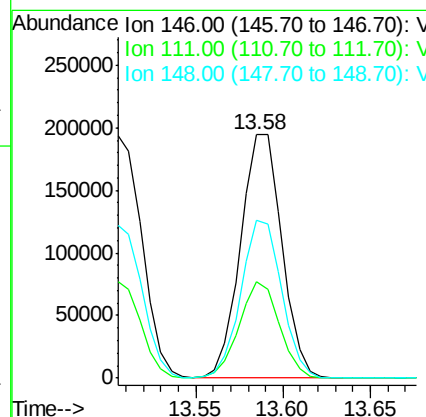
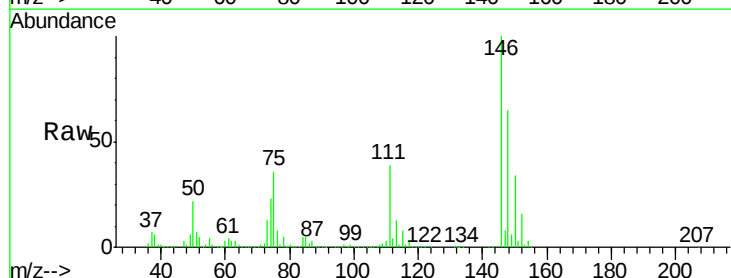
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

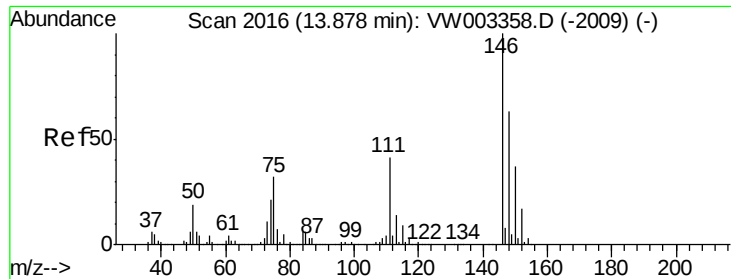
Tgt Ion:146 Resp: 309327
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.9 51.7
 148 63.2 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 25.055 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion:146 Resp: 321163
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.8 49.8
 148 64.6 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 25.155 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

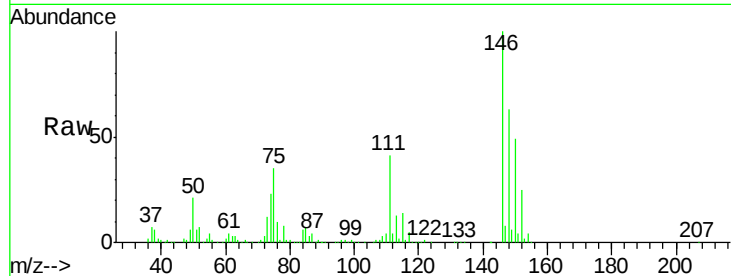
Tgt Ion:146 Resp: 293631

Ion Ratio Lower Upper

146 100

111 41.1 33.1 49.7

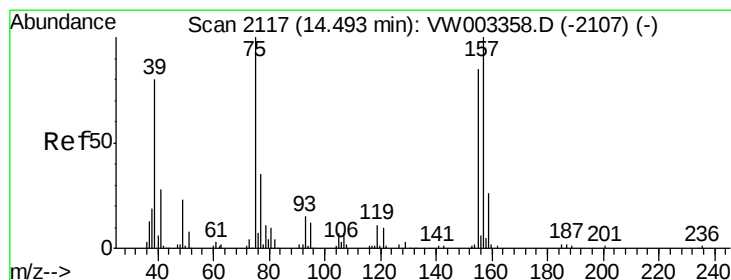
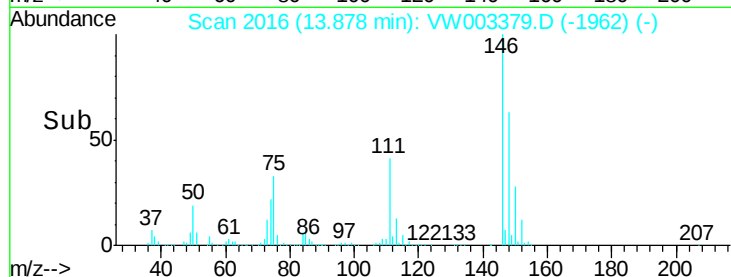
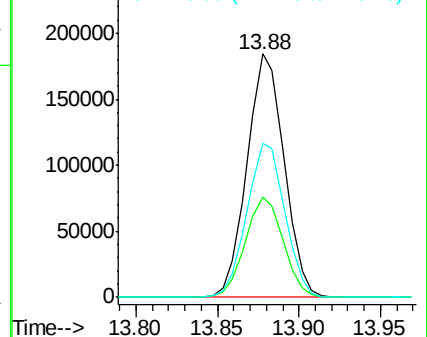
148 63.5 51.0 76.6



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: 22.714 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

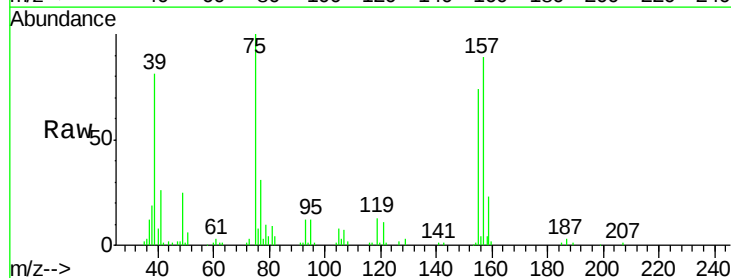
Tgt Ion: 75 Resp: 23269

Ion Ratio Lower Upper

75 100

157 89.2 70.7 106.1

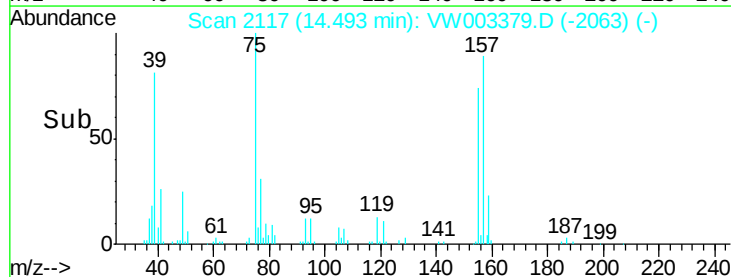
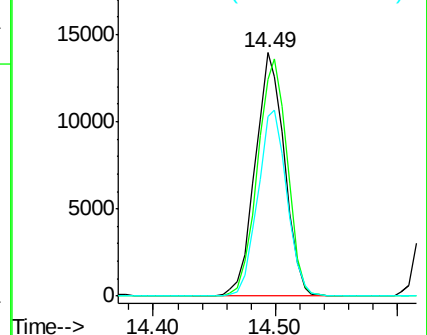
155 73.7 59.0 88.6

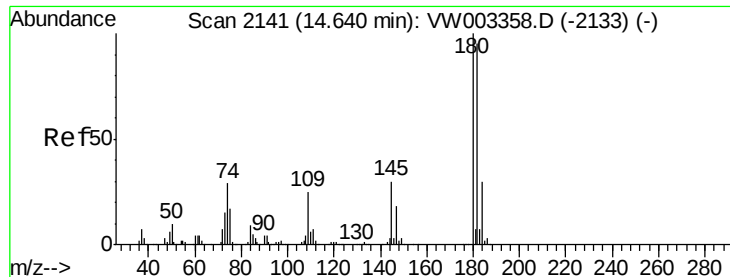


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

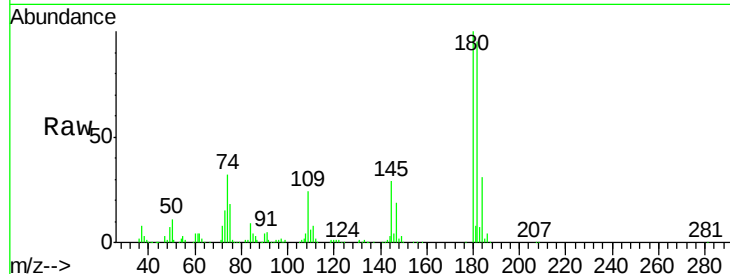




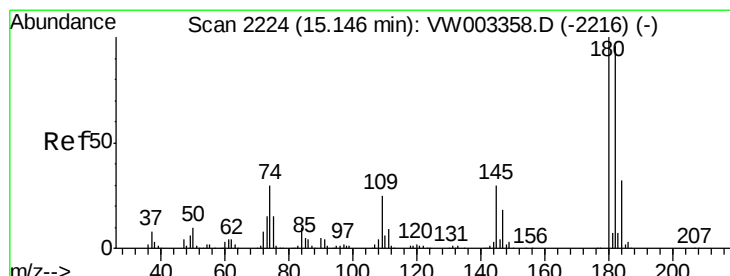
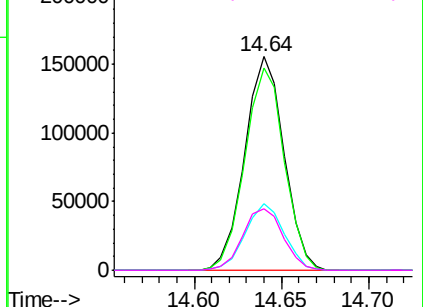
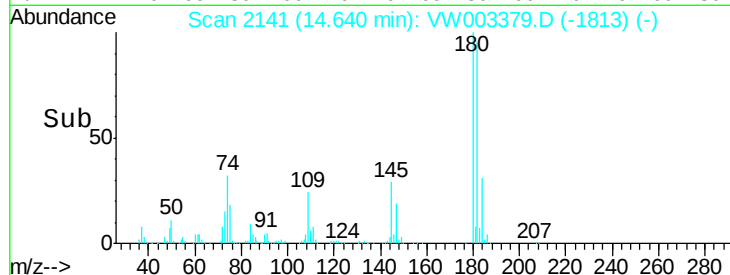
#67
 1,3,5-Trichlorobenzene
 Concen: 25.575 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion:180 Resp: 242974
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 184 30.8 24.5 36.7
 145 29.6 23.4 35.2

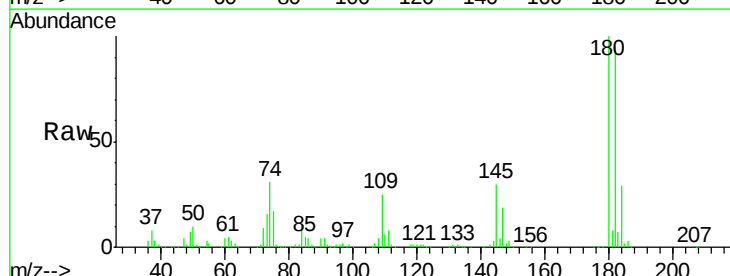


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

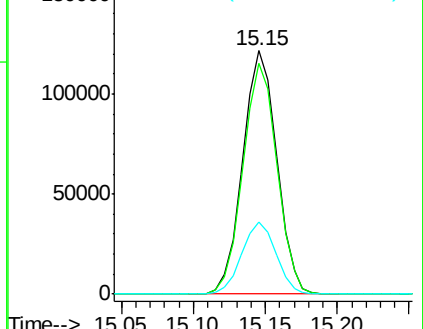
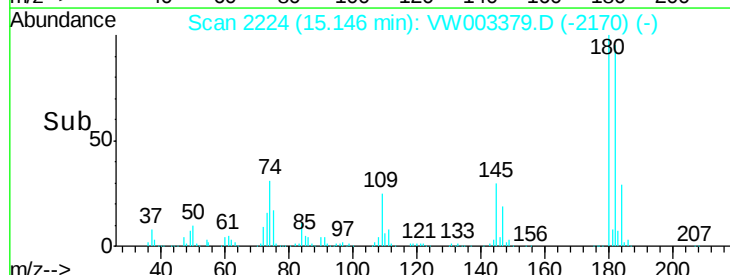


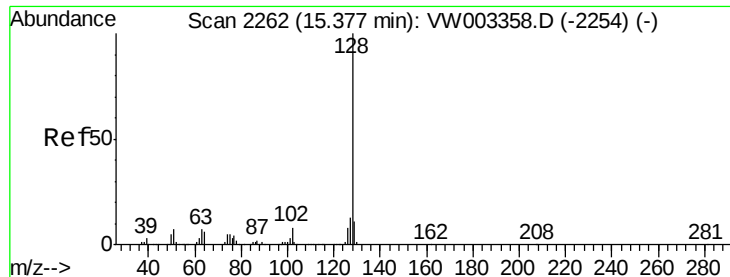
#68
 1,2,4-trichlorobenzene
 Concen: 25.649 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003379.D
 Acq: 21 Jun 2018 10:10

Tgt Ion:180 Resp: 198377
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.8 112.2
 145 29.8 23.6 35.4



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: 24.937 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

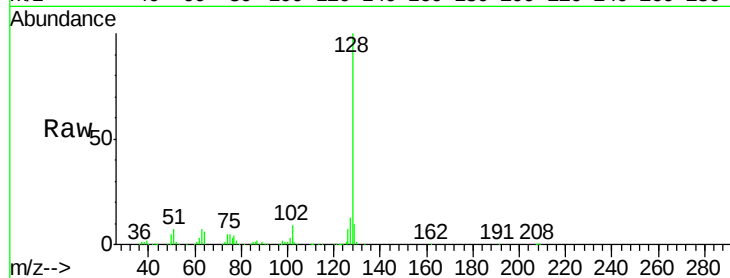
Tgt Ion:128 Resp: 360866

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

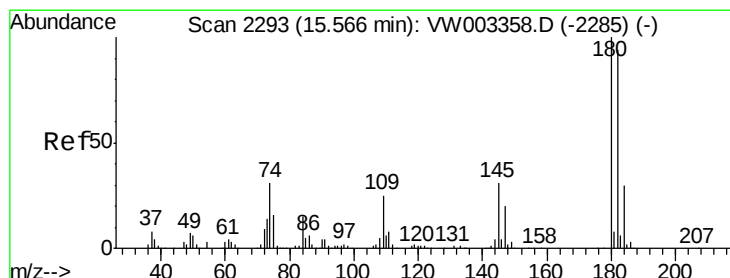
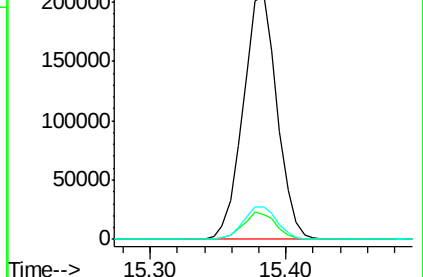
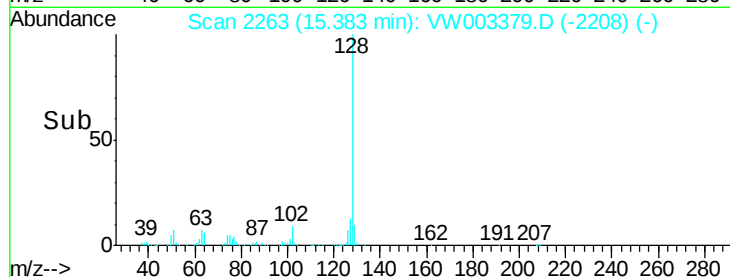
127 13.6 10.9 16.3



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: 25.673 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW003379.D

Acq: 21 Jun 2018 10:10

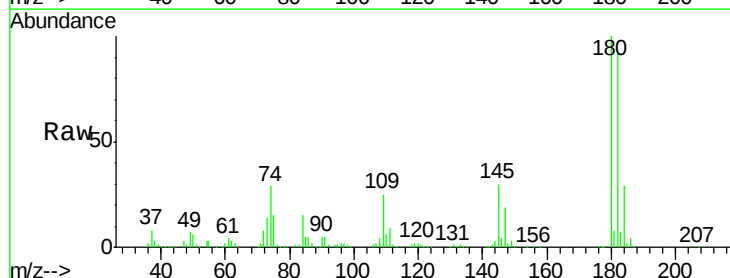
Tgt Ion:180 Resp: 181982

Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.0

145 31.8 25.4 38.2



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

