

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
 Data File : VW003398.D
 Acq On : 21 Jun 2018 19:46
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Quant Time: Jun 22 04:56:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 22 04:53:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	385191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364661	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	189976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98645	18.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.52%
7) Chloroethane-d5	2.89	69	88074	20.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.84%
10) 1,1-Dichloroethene-d2	4.01	63	212899	20.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.08%
20) 2-Butanone-d5	7.09	46	76478	46.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.92%
24) Chloroform-d	7.65	84	216839	21.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	8.31	65	132641	22.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.12%
29) Benzene-d6	8.27	84	405579	20.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.84%
33) 1,2-Dichloropropane-d6	9.28	67	130911	21.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.48%
37) Toluene-d8	10.33	98	387689	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.84%
38) trans-1,3-Dichloropropene-	10.58	79	61134	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.04%
39) 2-Hexanone-d5	10.93	63	61546	49.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.32%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	130161	22.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	148136	20.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	46623	22.037	ug/L #	84
3) Chloromethane	2.21	50	103475	22.767	ug/L	99
5) Vinyl chloride	2.36	62	152158	23.132	ug/L	98
6) Bromomethane	2.78	94	91410	23.884	ug/L	97
8) Chloroethane	2.92	64	92348	23.041	ug/L	100
9) Trichlorofluoromethane	3.25	101	81343	21.560	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	119157	23.391	ug/L	100
12) 1,1-Dichloroethene	4.03	96	112529	23.371	ug/L	92
13) Acetone	4.15	43	82419	46.972	ug/L	96
14) Carbon disulfide	4.37	76	361587	23.277	ug/L	98
15) Methyl Acetate	4.68	43	72234	25.116	ug/L	100
16) Methylene chloride	4.90	84	122210	23.026	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	225547	25.389	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	119391	23.798	ug/L	95
19) 1,1-Dichloroethane	6.21	63	226756	24.220	ug/L	96
21) 2-Butanone	7.18	43	100493	48.738	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	132210	24.797	ug/L	97

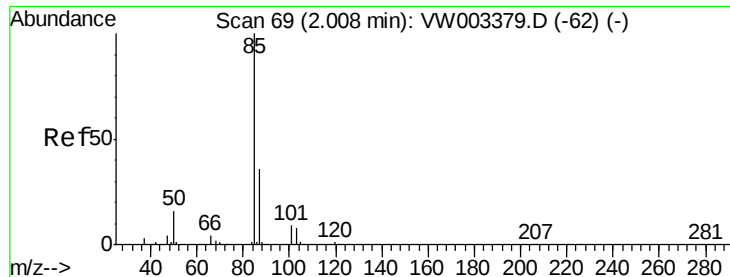
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 22 04:53:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60982	24.724	ug/L	99
25) Chloroform	7.68	83	235766	24.494	ug/L	99
27) 1,2-Dichloroethane	8.40	62	176762	25.359	ug/L	99
30) Cyclohexane	7.96	56	204521	24.292	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	188097	23.478	ug/L	98
32) Carbon tetrachloride	8.07	117	179961	23.251	ug/L	100
34) Benzene	8.32	78	514585	24.746	ug/L	100
35) Trichloroethene	9.09	95	134904	24.070	ug/L	99
36) Methylcyclohexane	9.34	83	235145	24.576	ug/L	99
40) 1,2-Dichloropropane	9.37	63	135731	24.804	ug/L	99
41) Bromodichloromethane	9.65	83	173930	24.728	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	205327	25.142	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	208372	53.300	ug/L	100
44) Toluene	10.39	91	561648	24.904	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	189612	25.657	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	103341	25.296	ug/L	97
47) Tetrachloroethene	10.87	164	110449	23.451	ug/L	98
49) 2-Hexanone	10.98	43	158760	54.495	ug/L	99
50) Dibromochloromethane	11.13	129	125814	25.298	ug/L	98
51) 1,2-Dibromoethane	11.24	107	101560	25.018	ug/L	96
52) Chlorobenzene	11.66	112	356050	24.313	ug/L	100
53) Ethylbenzene	11.74	91	634978	25.102	ug/L	99
54) m,p-Xylene	11.85	106	237841	25.316	ug/L	99
55) o-xylene	12.17	106	226854	25.385	ug/L	98
56) Styrene	12.19	104	402365	26.079	ug/L	100
57) Isopropylbenzene	12.47	105	627810	25.320	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	140217	26.036	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	105895	25.657	ug/L	100
62) Bromoform	12.35	173	78764	24.635	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	280760	24.036	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	296517	24.212	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	274183	24.586	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25092	25.638	ug/L	91
67) 1,3,5-Trichlorobenzene	14.64	180	224989	24.787	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	185218	25.066	ug/L	99
69) Naphthalene	15.38	128	372233	26.923	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	175614	25.931	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 22.037 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

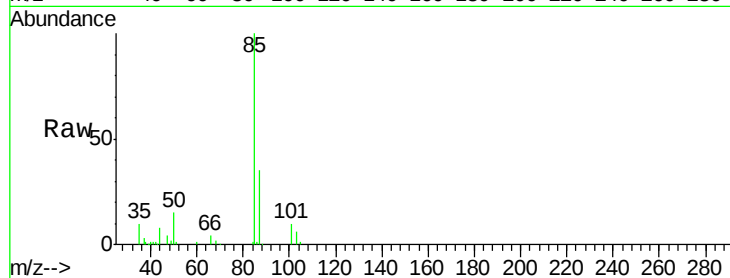
VSTD02595

Tgt Ion: 85 Resp: 46623

Ion Ratio Lower Upper

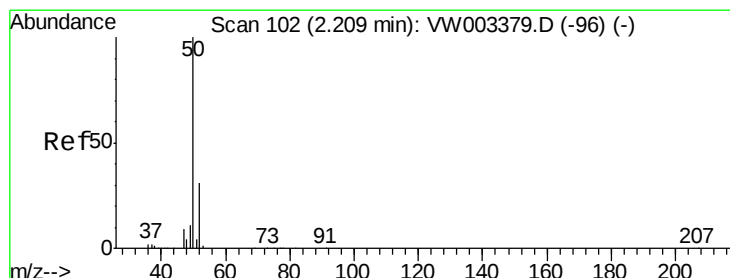
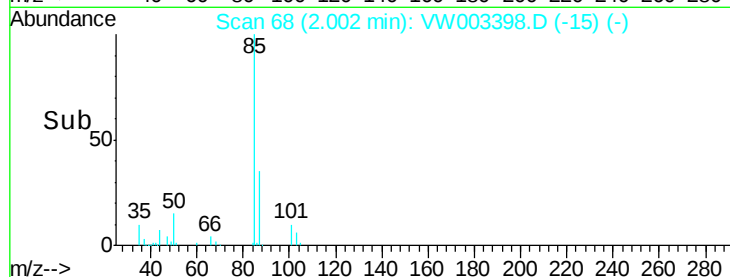
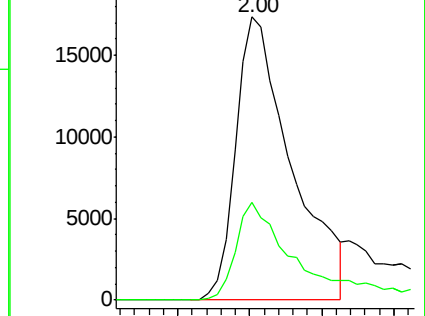
85 100

87 32.5 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: 22.767 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003398.D

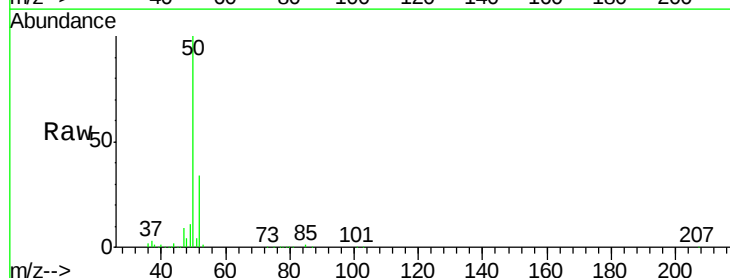
Acq: 21 Jun 2018 19:46

Tgt Ion: 50 Resp: 103475

Ion Ratio Lower Upper

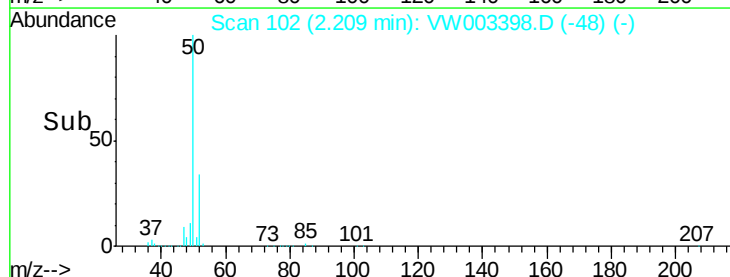
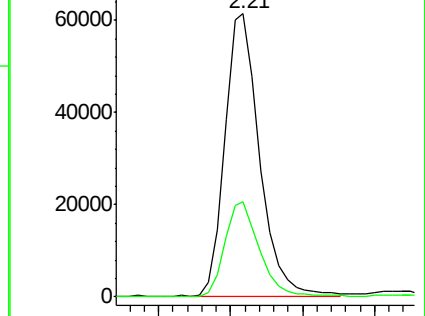
50 100

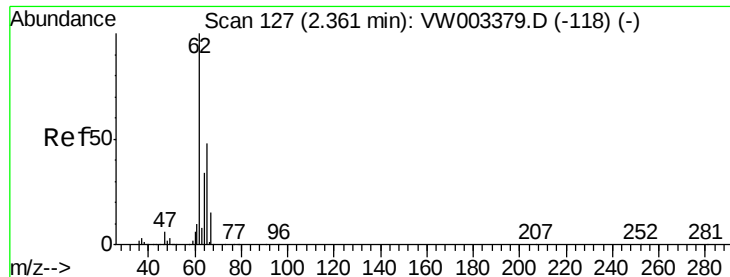
52 33.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.132 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

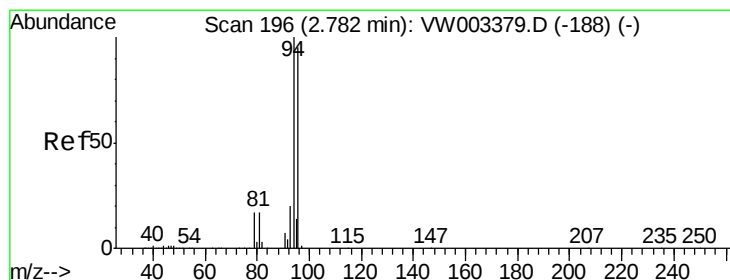
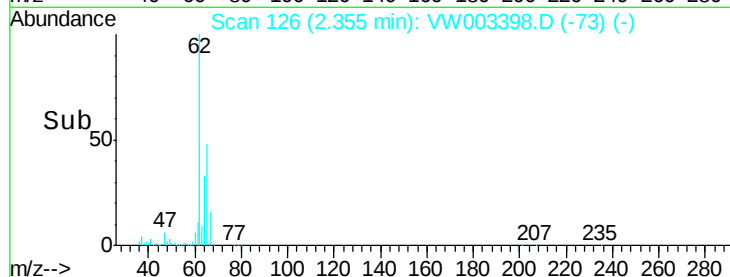
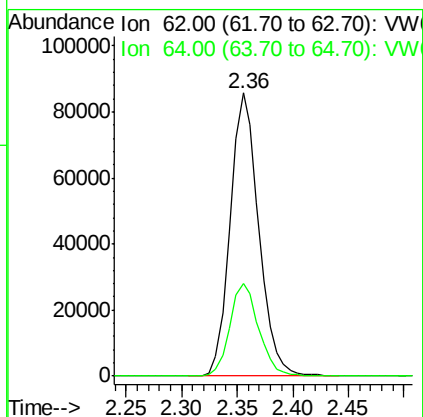
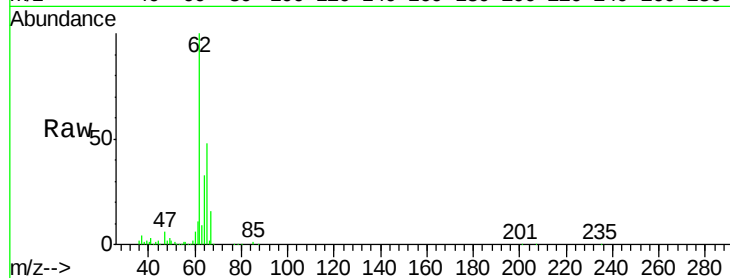
VSTD02595

Tgt Ion: 62 Resp: 152158

Ion Ratio Lower Upper

62 100

64 32.6 23.5 43.7



#6

Bromomethane

Concen: 23.884 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW003398.D

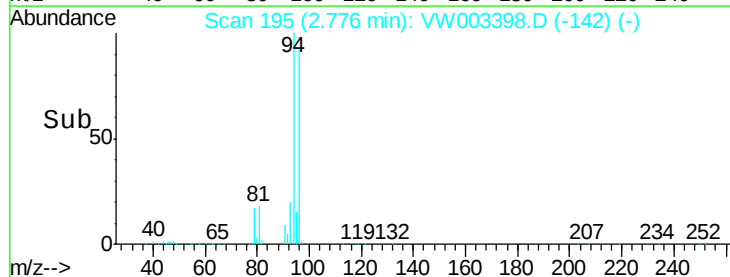
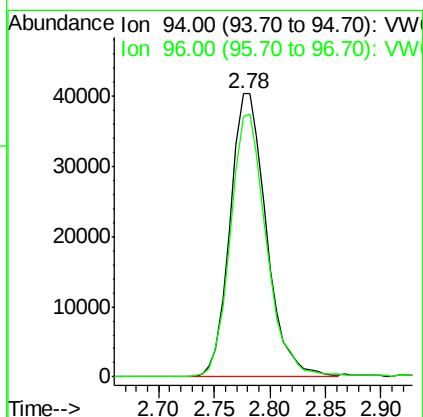
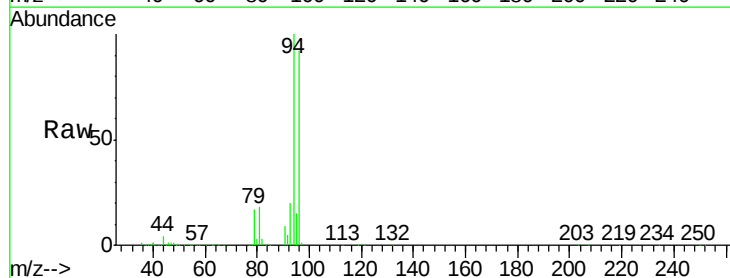
Acq: 21 Jun 2018 19:46

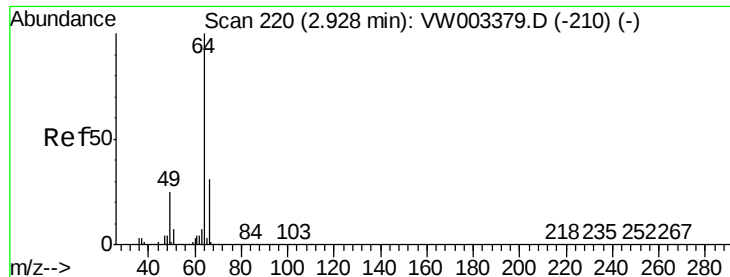
Tgt Ion: 94 Resp: 91410

Ion Ratio Lower Upper

94 100

96 92.4 9.5 180.3





#8

Chloroethane

Concen: 23.041 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

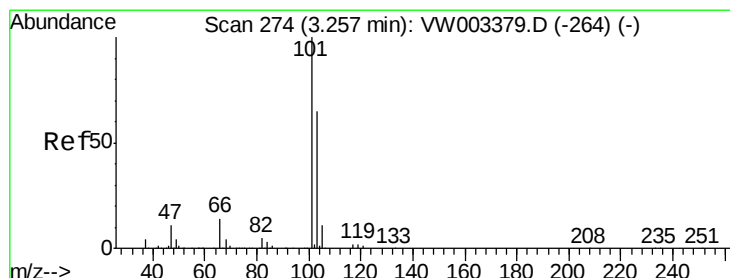
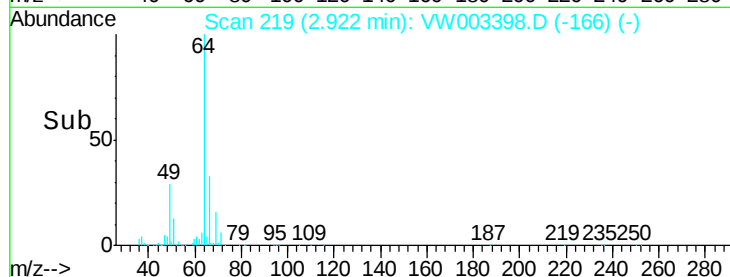
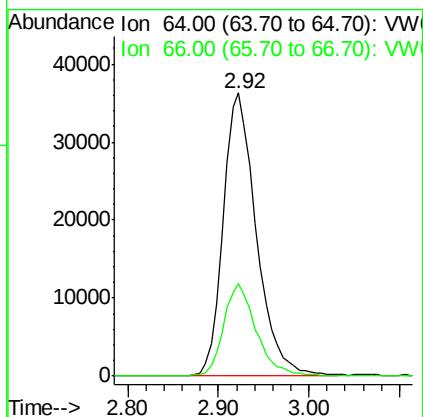
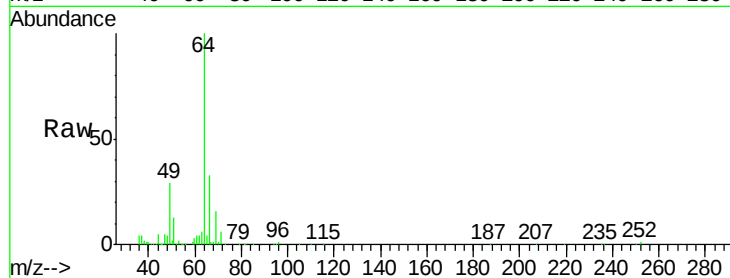
VSTD02595

Tgt Ion: 64 Resp: 92348

Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 21.560 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.01 min

Lab File: VW003398.D

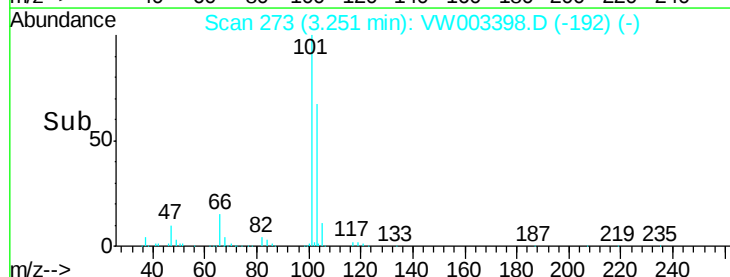
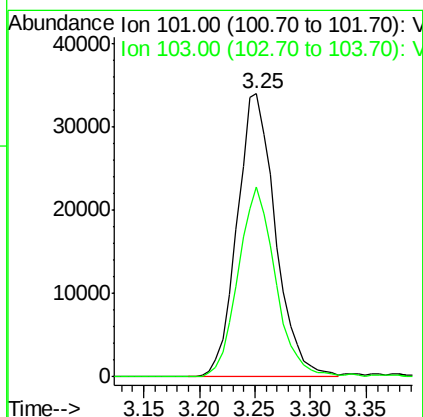
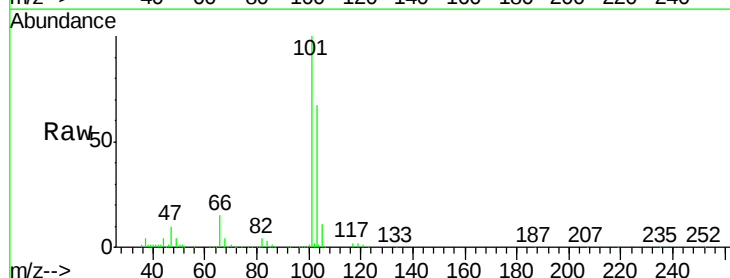
Acq: 21 Jun 2018 19:46

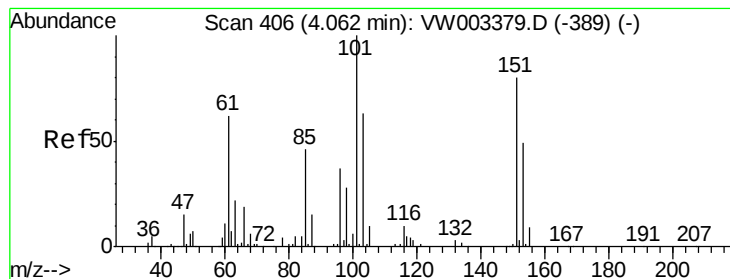
Tgt Ion: 101 Resp: 81343

Ion Ratio Lower Upper

101 100

103 65.1 45.1 83.7





#11

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

Concen: 23.391 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

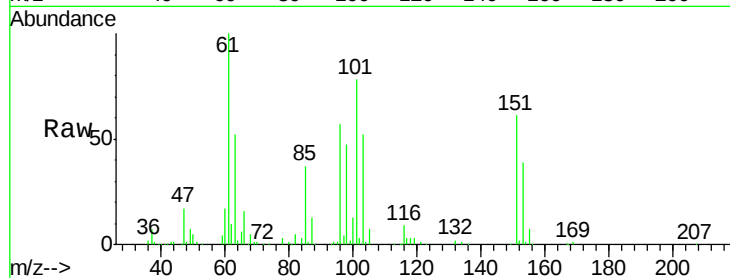
Tgt Ion: 101 Resp: 119157

Ion Ratio Lower Upper

101 100

85 44.7 35.4 53.0

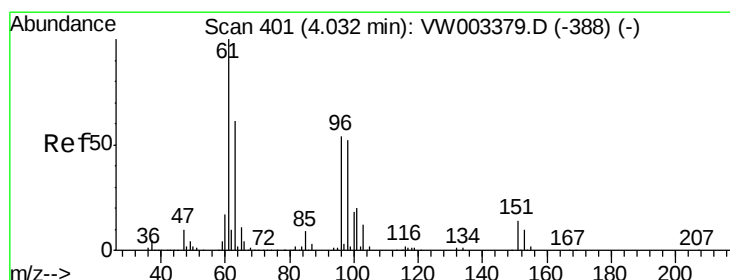
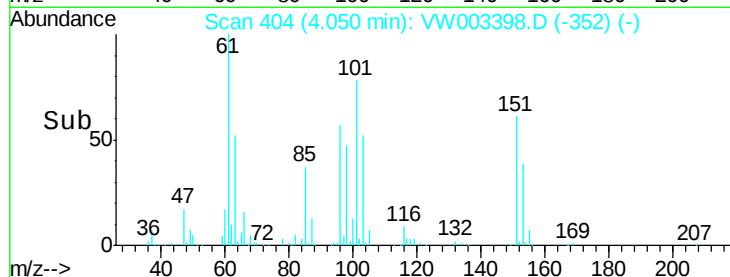
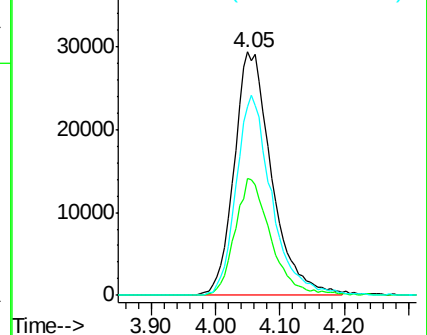
151 76.5 61.4 92.0



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: 23.371 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

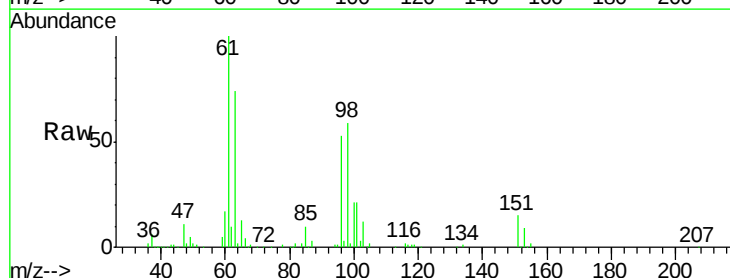
Tgt Ion: 96 Resp: 112529

Ion Ratio Lower Upper

96 100

61 189.8 124.1 230.5

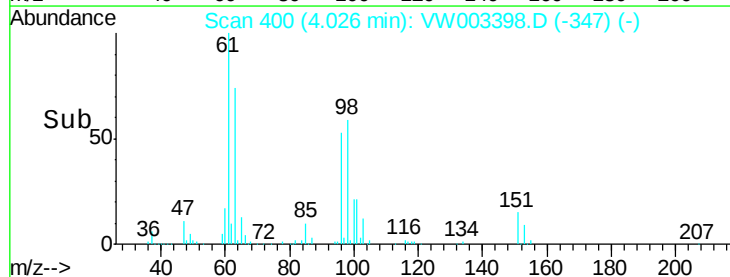
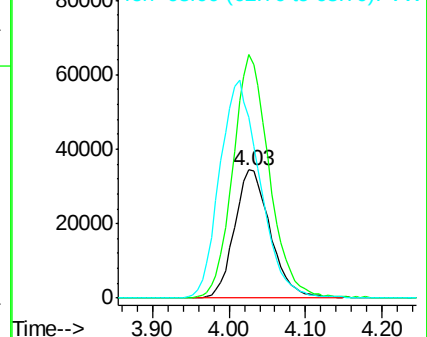
63 140.8 93.1 172.9

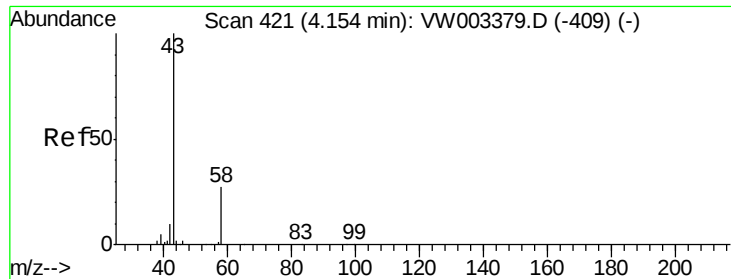


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.972 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

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ClientSampleId :

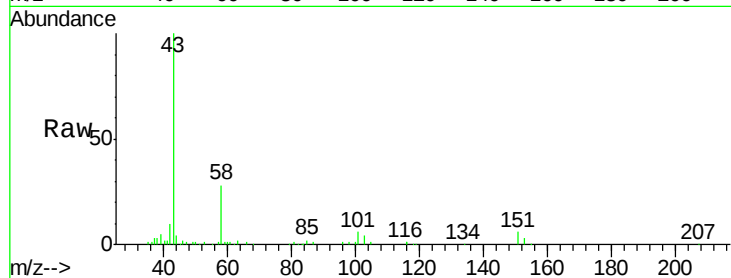
VSTD02595

Tgt Ion: 43 Resp: 82419

Ion Ratio Lower Upper

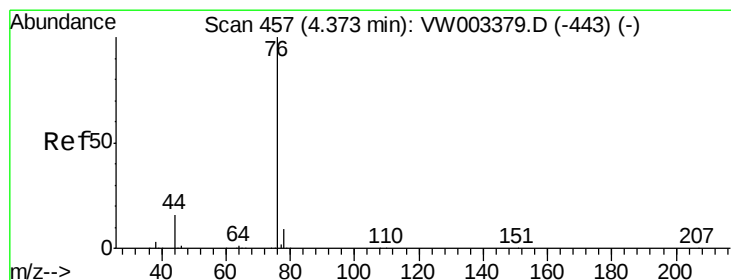
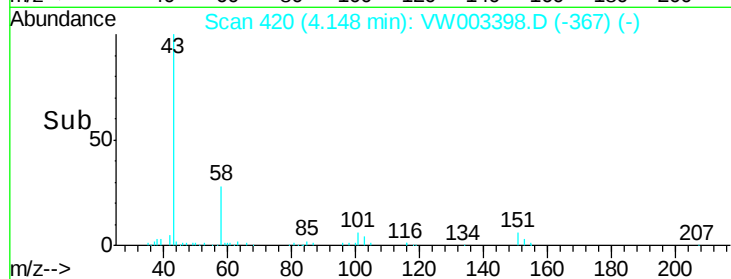
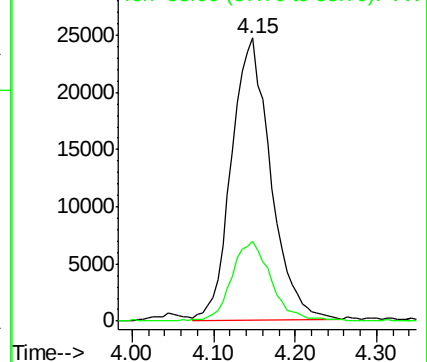
43 100

58 26.9 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: 23.277 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003398.D

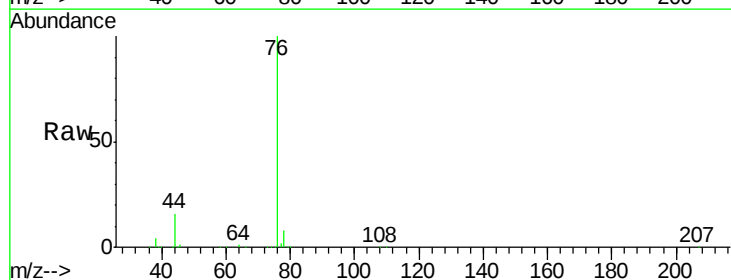
Acq: 21 Jun 2018 19:46

Tgt Ion: 76 Resp: 361587

Ion Ratio Lower Upper

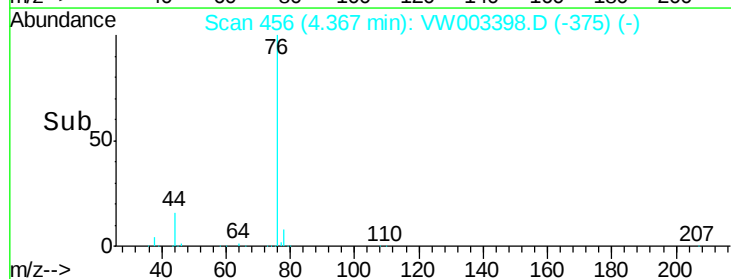
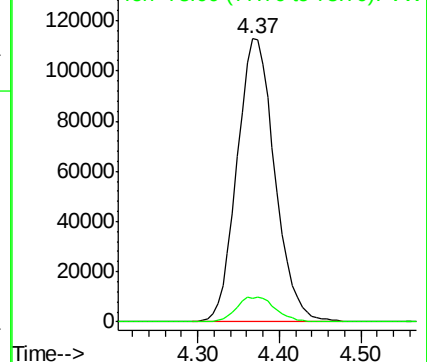
76 100

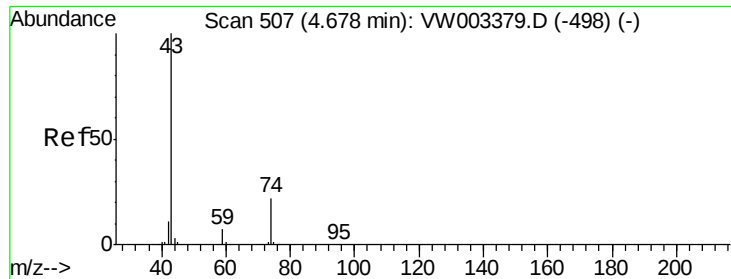
78 8.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

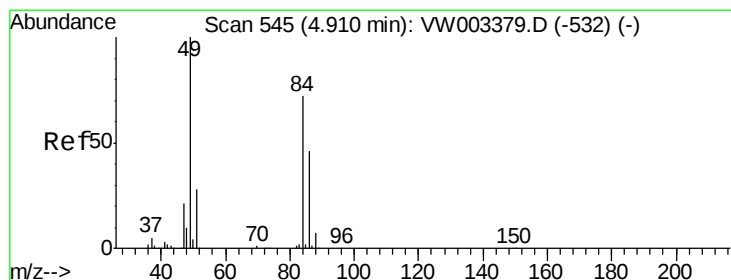
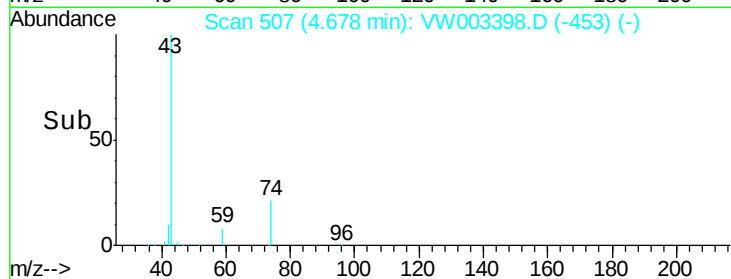
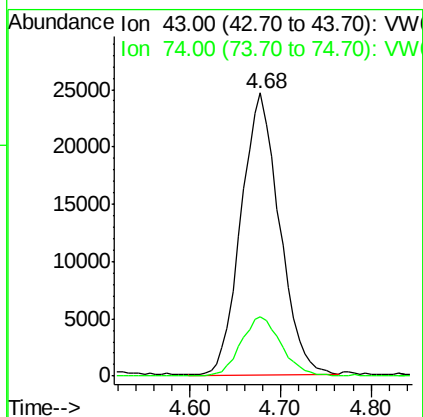
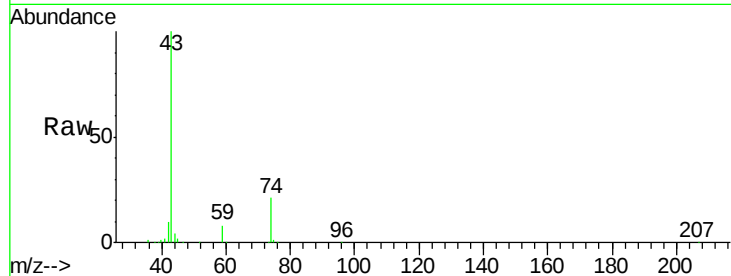




#15
Methyl Acetate
Concen: 25.116 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW003398.D
Acq: 21 Jun 2018 19:46

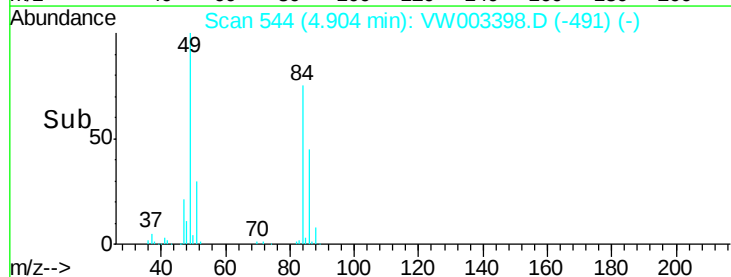
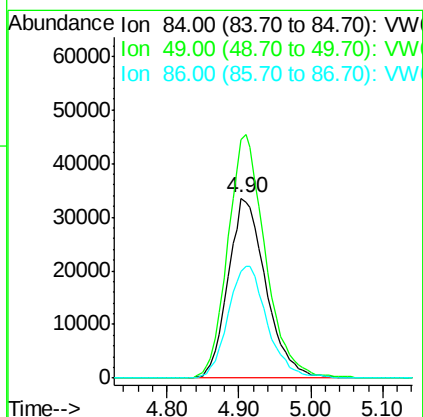
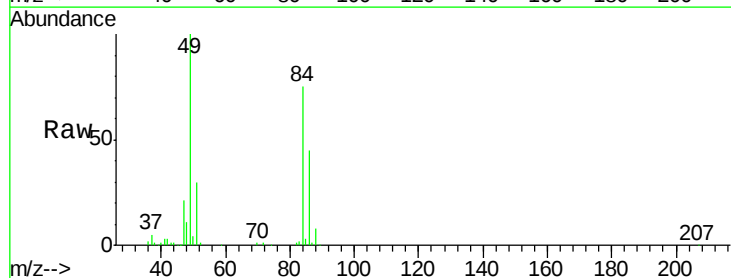
Instrument :
MSVOA_W
ClientSampled :
VSTD02595

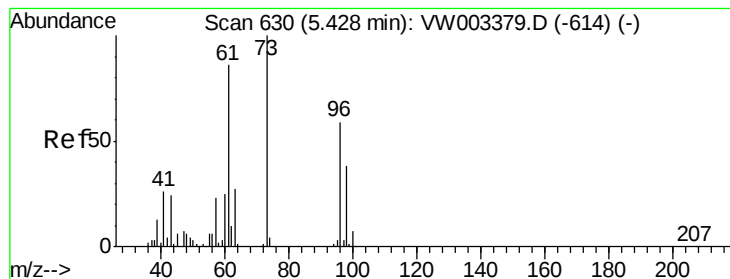
Tgt Ion: 43 Resp: 72234
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3



#16
Methylene chloride
Concen: 23.026 ug/L
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003398.D
Acq: 21 Jun 2018 19:46

Tgt Ion: 84 Resp: 122210
Ion Ratio Lower Upper
84 100
49 132.8 88.7 164.7
86 59.2 44.2 82.0





#17

Methyl tert-butyl Ether

Concen: 25.389 ug/L

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

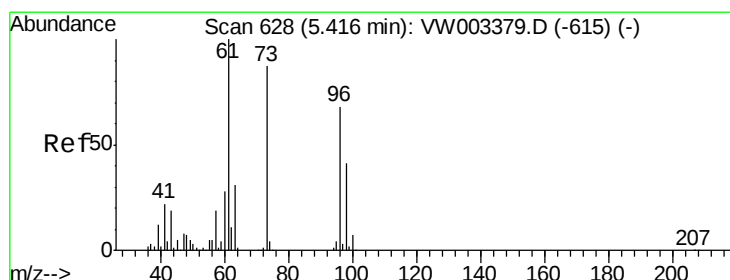
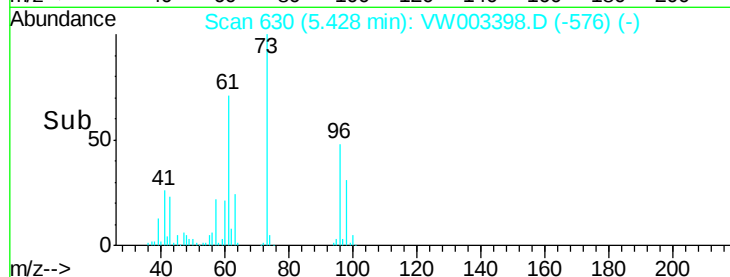
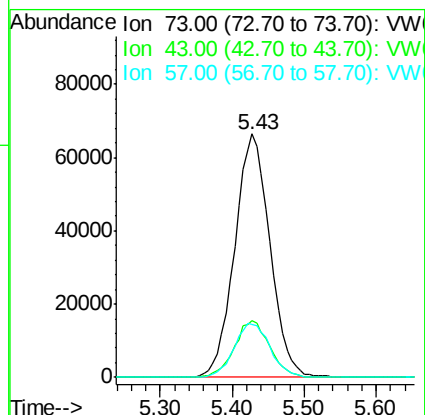
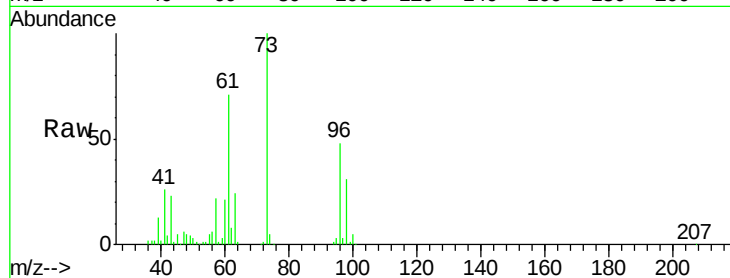
Tgt Ion: 73 Resp: 22547

Ion Ratio Lower Upper

73 100

43 23.3 18.6 27.8

57 22.7 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 23.798 ug/L

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

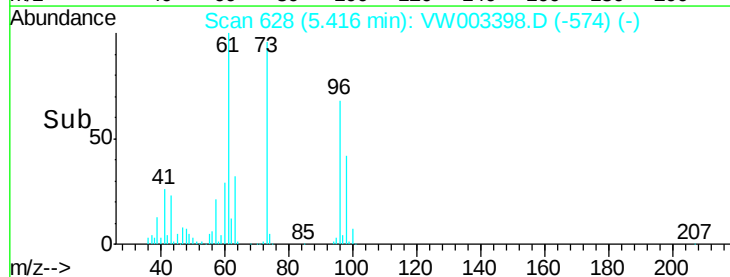
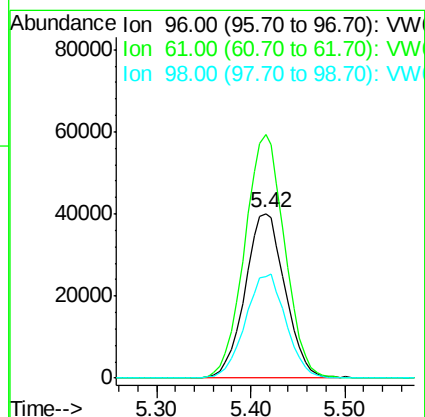
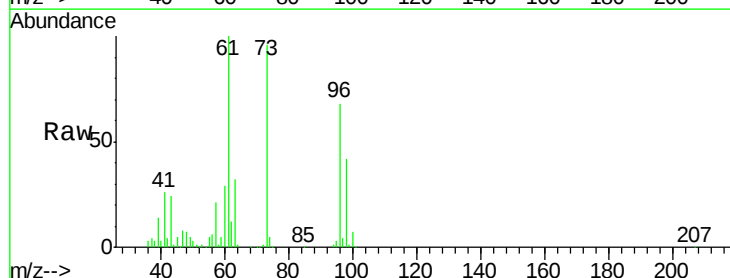
Tgt Ion: 96 Resp: 119391

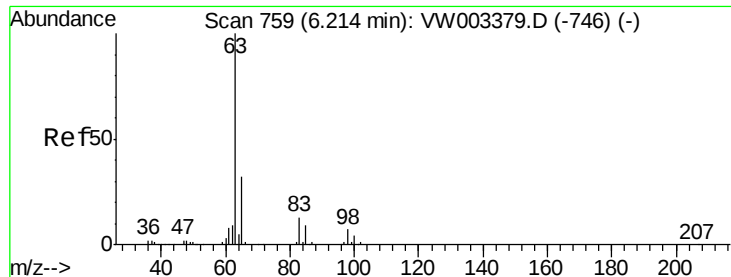
Ion Ratio Lower Upper

96 100

61 148.0 98.0 182.0

98 62.0 44.2 82.2





#19

1,1-Dichloroethane

Concen: 24.220 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

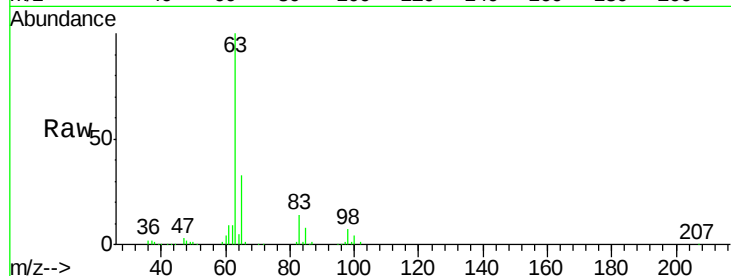
Tgt Ion: 63 Resp: 226756

Ion Ratio Lower Upper

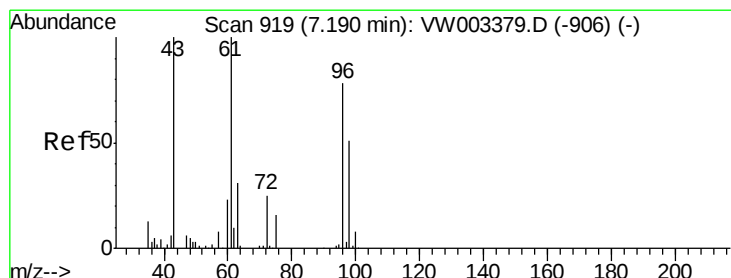
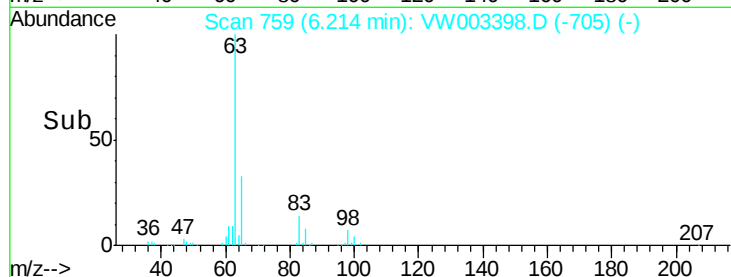
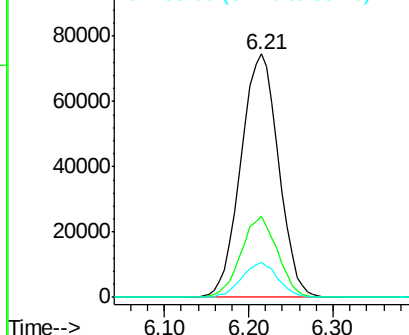
63 100

65 33.3 21.8 40.4

83 14.2 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 48.738 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.01 min

Lab File: VW003398.D

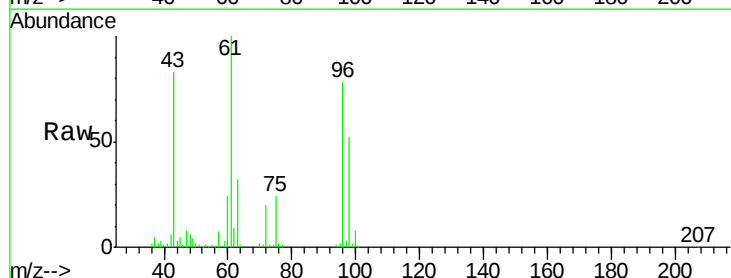
Acq: 21 Jun 2018 19:46

Tgt Ion: 43 Resp: 100493

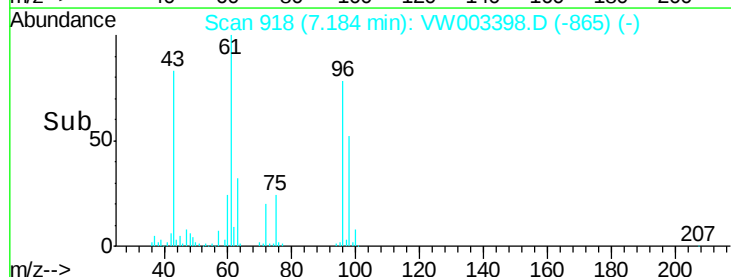
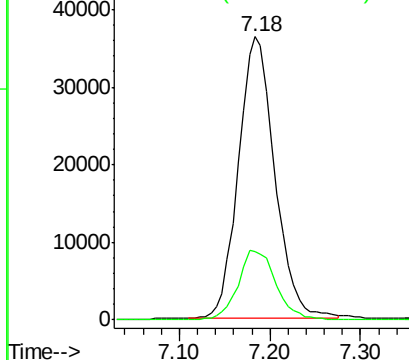
Ion Ratio Lower Upper

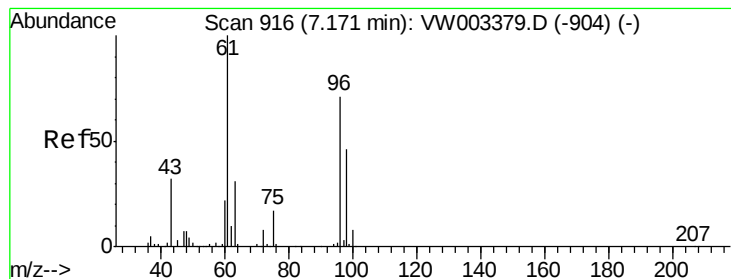
43 100

72 25.7 12.5 37.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



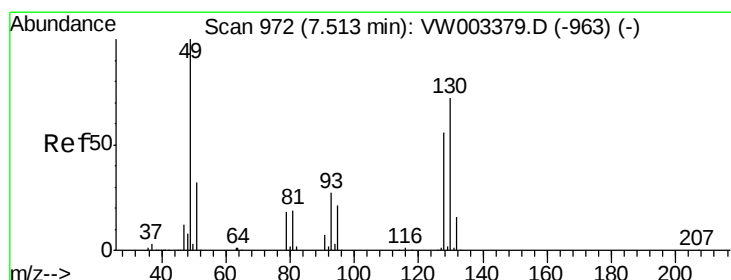
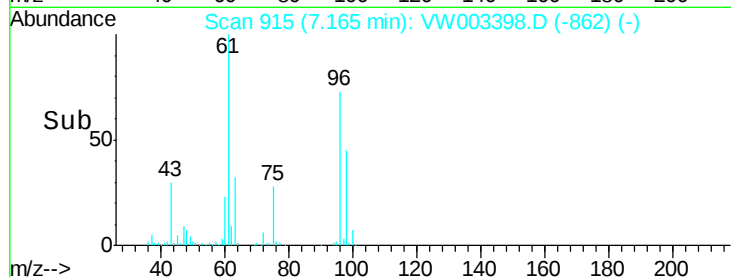
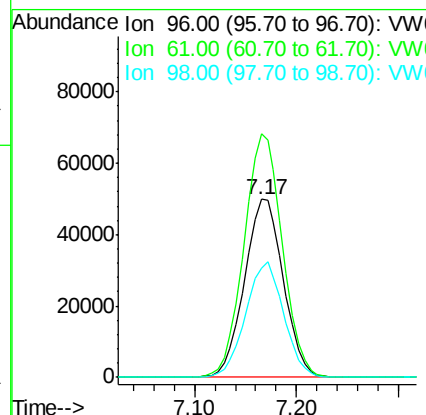
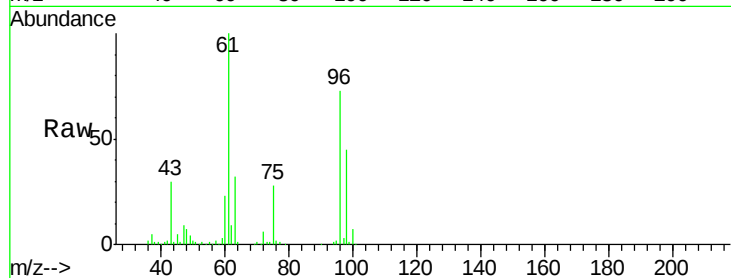


#22

cis-1,2-Dichloroethene
 Concen: 24.797 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

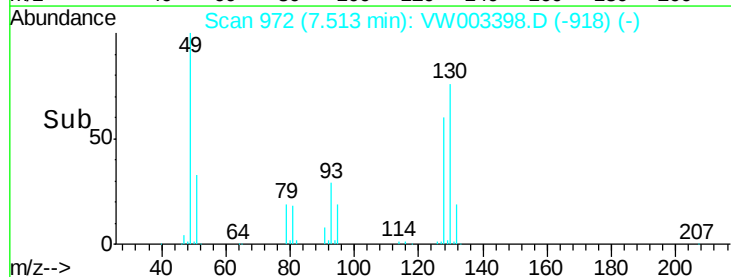
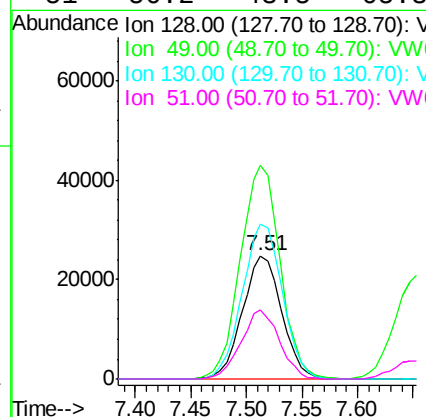
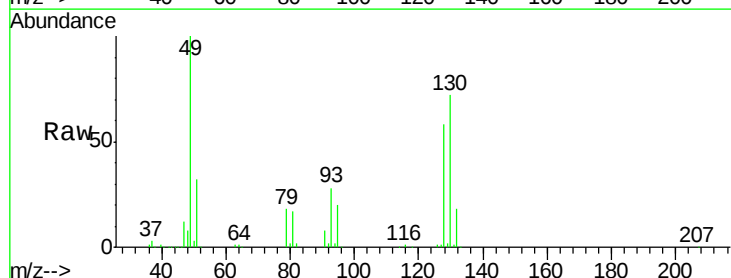
Tgt Ion: 96 Resp: 132210
 Ion Ratio Lower Upper
 96 100
 61 136.9 97.7 181.5
 98 61.7 45.0 83.6

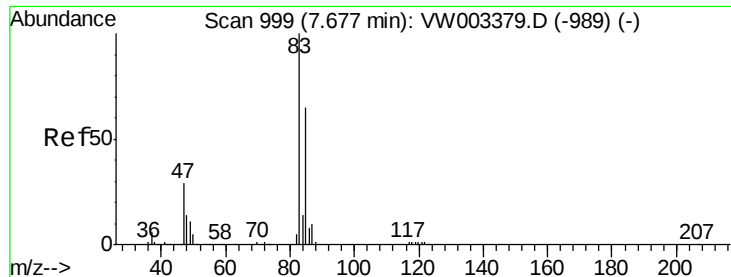


#23

Bromochloromethane
 Concen: 24.724 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Tgt Ion: 128 Resp: 60982
 Ion Ratio Lower Upper
 128 100
 49 173.6 122.0 226.6
 130 125.6 88.1 163.5
 51 56.2 43.5 65.3





#25

Chloroform

Concen: 24.494 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampled :

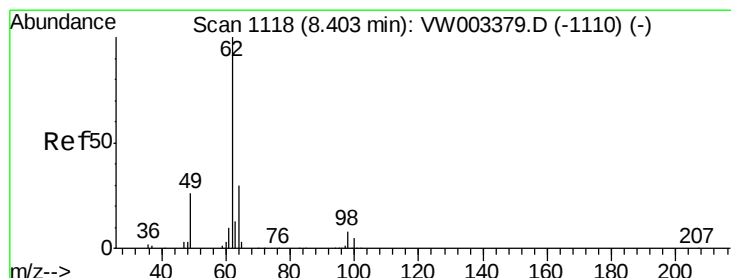
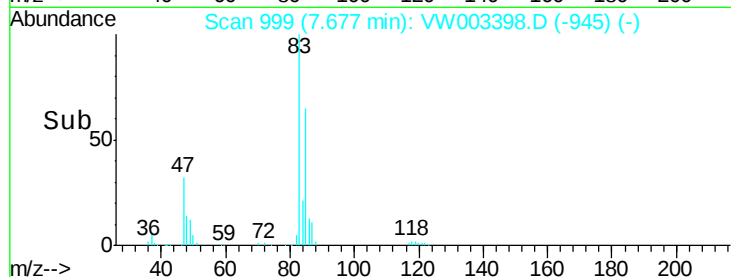
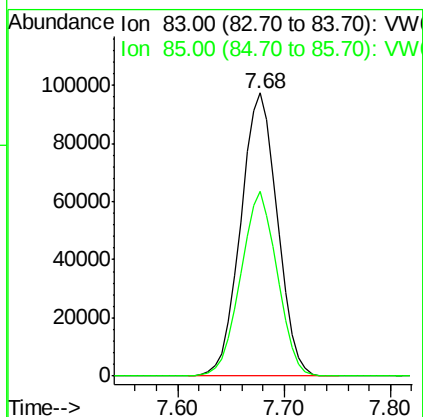
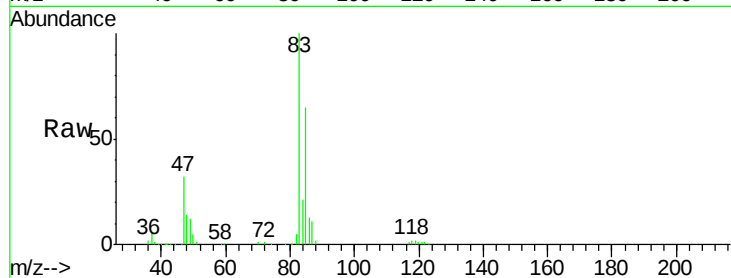
VSTD02595

Tgt Ion: 83 Resp: 235766

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.359 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003398.D

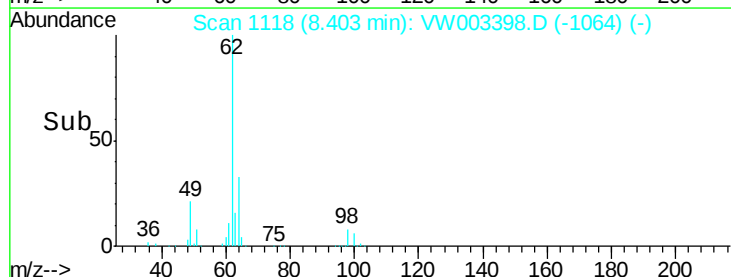
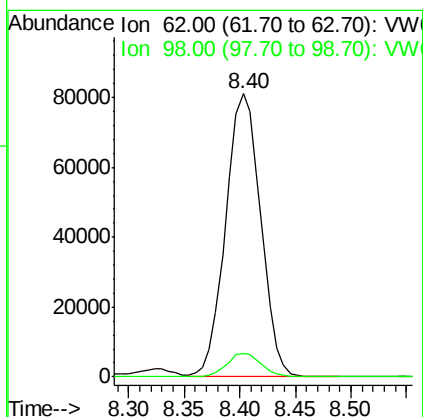
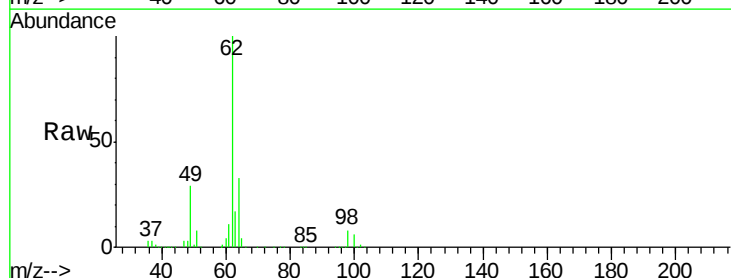
Acq: 21 Jun 2018 19:46

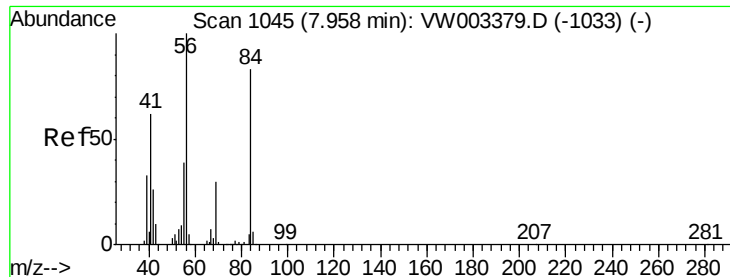
Tgt Ion: 62 Resp: 176762

Ion Ratio Lower Upper

62 100

98 8.4 6.5 9.7

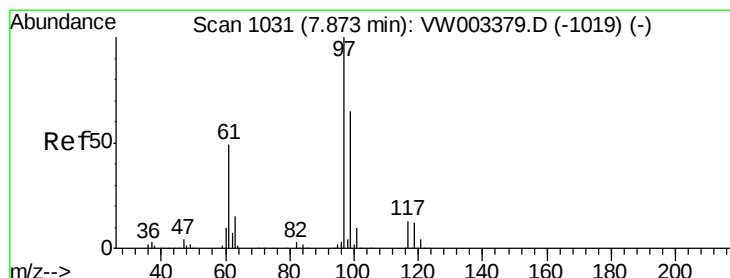
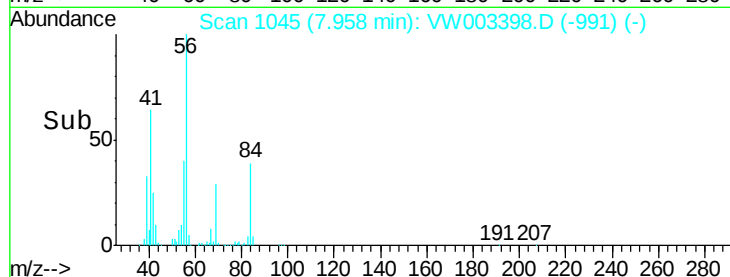
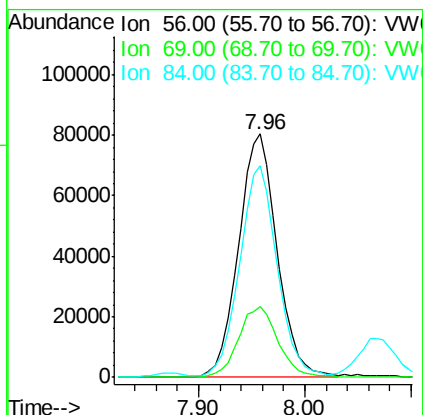
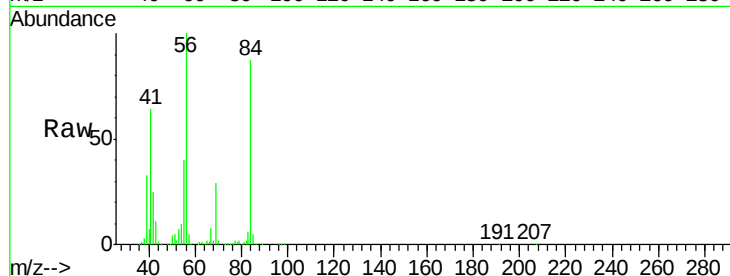




#30
Cyclohexane
Concen: 24.292 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003398.D
Acq: 21 Jun 2018 19:46

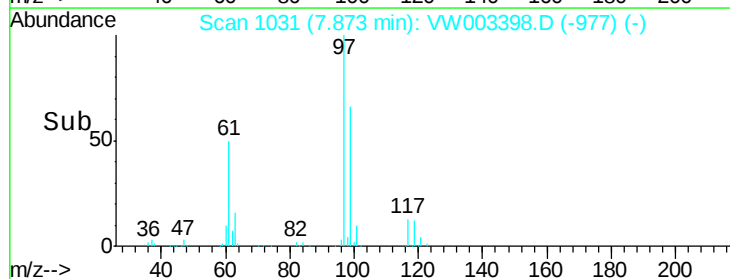
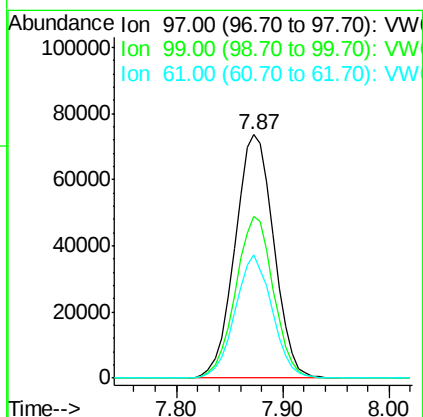
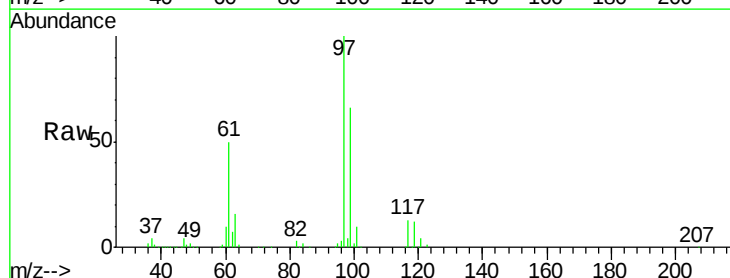
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

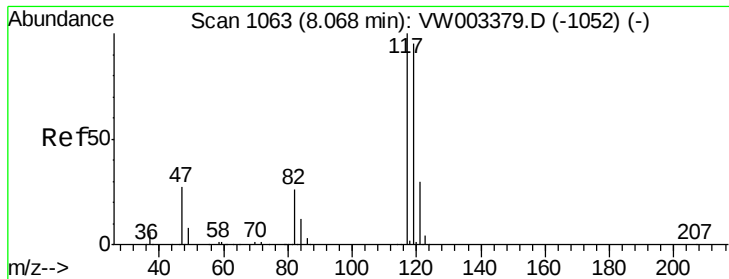
Tgt Ion: 56 Resp: 204521
Ion Ratio Lower Upper
56 100
69 29.5 23.4 35.2
84 85.3 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 23.478 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003398.D
Acq: 21 Jun 2018 19:46

Tgt Ion: 97 Resp: 188097
Ion Ratio Lower Upper
97 100
99 64.7 50.9 76.3
61 48.2 37.7 56.5





#32

Carbon tetrachloride

Concen: 23.251 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

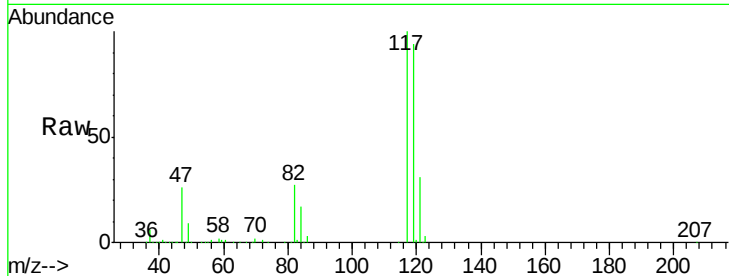
VSTD02595

Tgt Ion:117 Resp: 179961

Ion Ratio Lower Upper

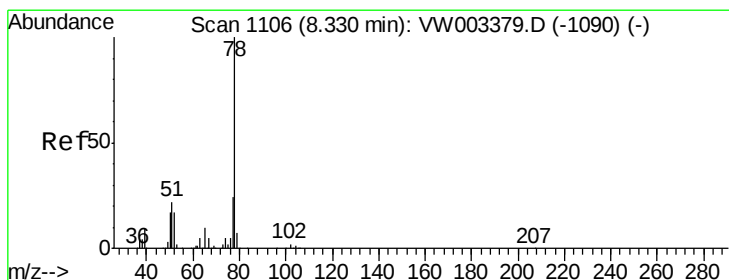
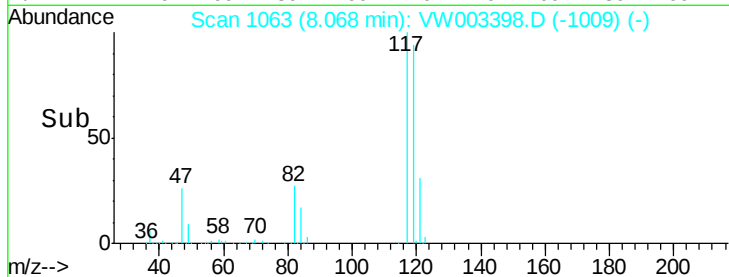
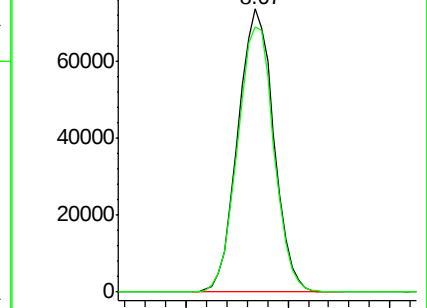
117 100

119 95.4 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: 24.746 ug/L

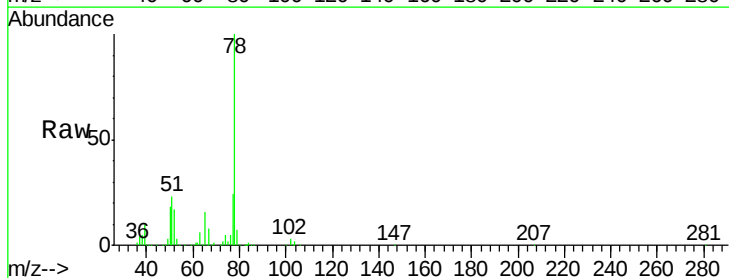
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

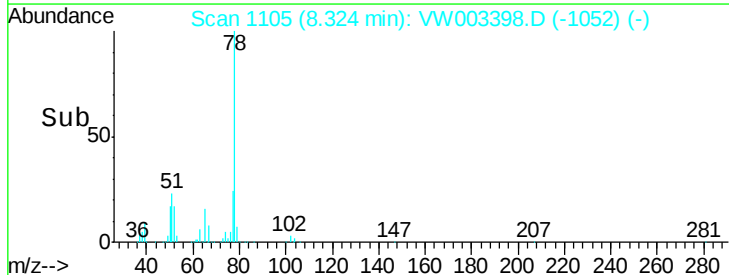
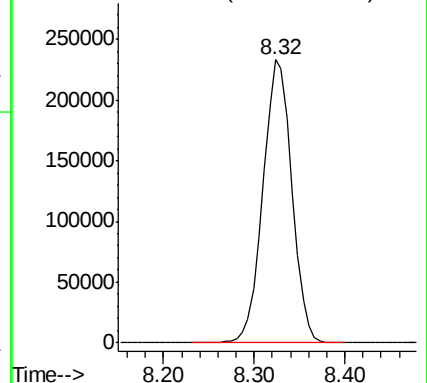
Lab File: VW003398.D

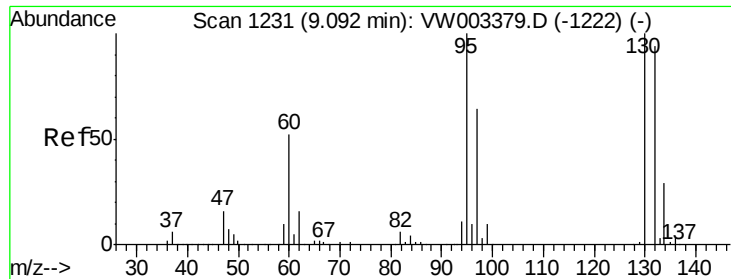
Acq: 21 Jun 2018 19:46

Tgt Ion: 78 Resp: 514585



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.070 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

Tgt Ion: 95 Resp: 134904

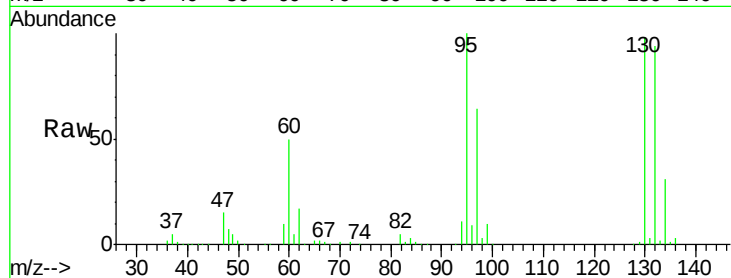
Ion Ratio Lower Upper

95 100

97 63.7 45.6 84.6

132 96.1 67.8 125.8

130 100.0 70.6 131.0

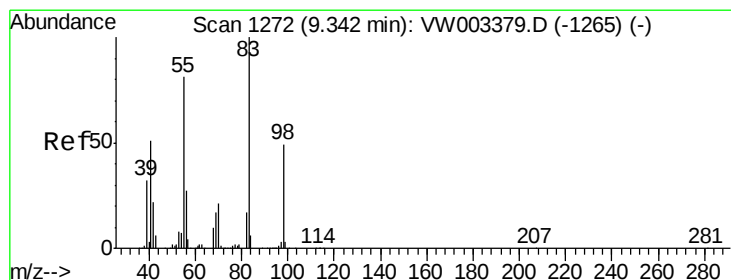
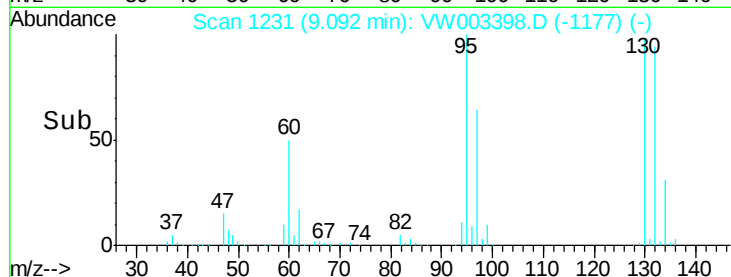
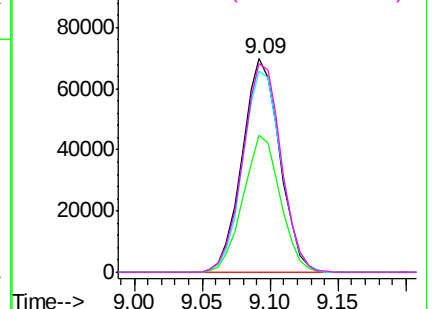


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.576 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

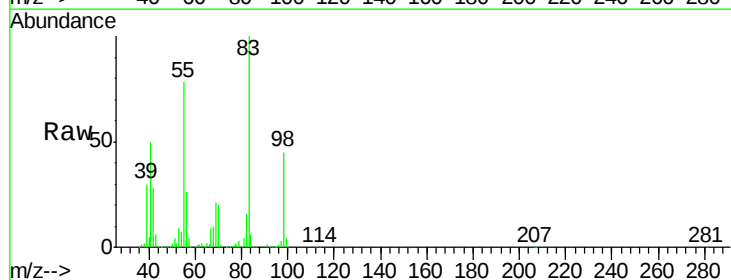
Tgt Ion: 83 Resp: 235145

Ion Ratio Lower Upper

83 100

55 79.2 63.9 95.9

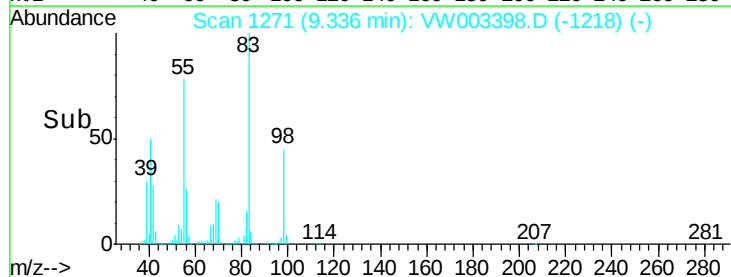
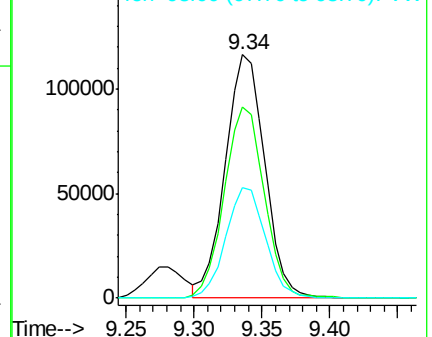
98 45.6 37.1 55.7

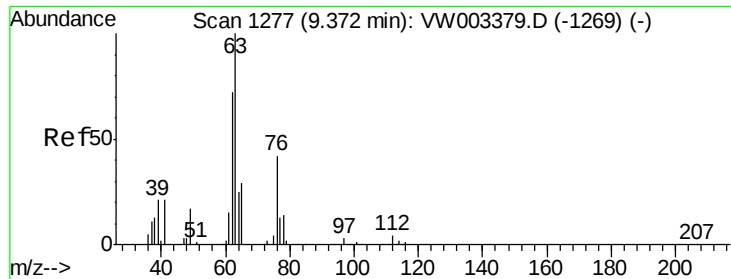


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

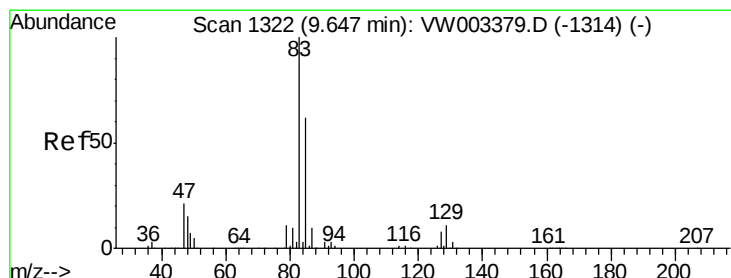
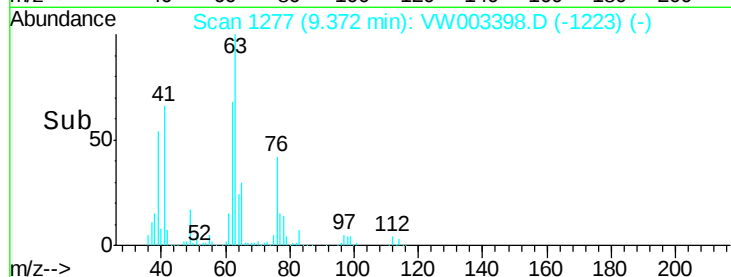
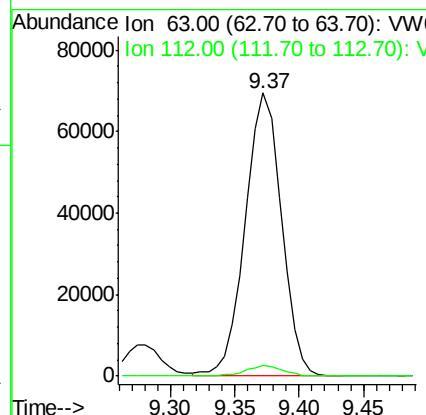
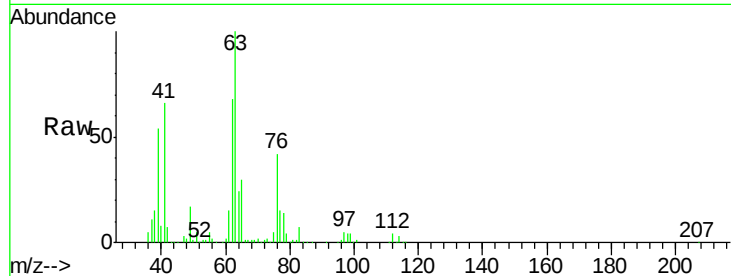




#40
 1,2-Dichloropropane
 Concen: 24.804 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

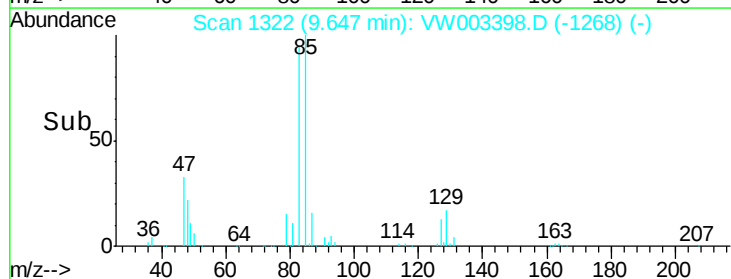
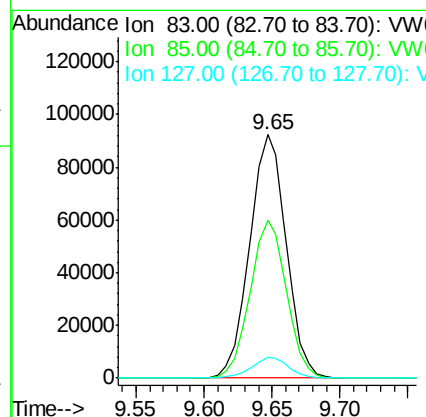
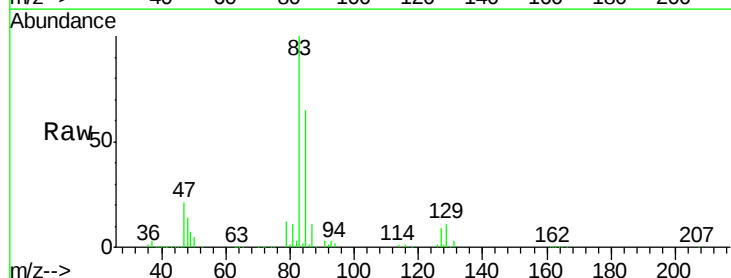
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

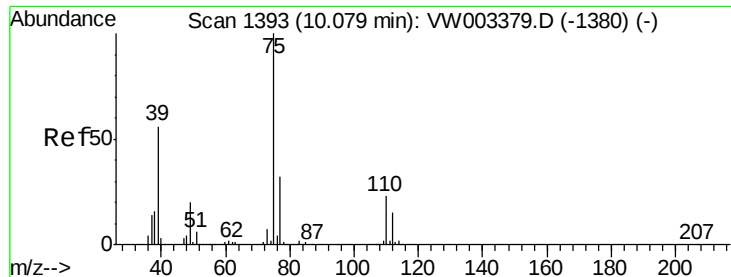
Tgt Ion: 63 Resp: 135731
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#41
 Bromodichloromethane
 Concen: 24.728 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Tgt Ion: 83 Resp: 173930
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 83.1
 127 8.7 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 25.142 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

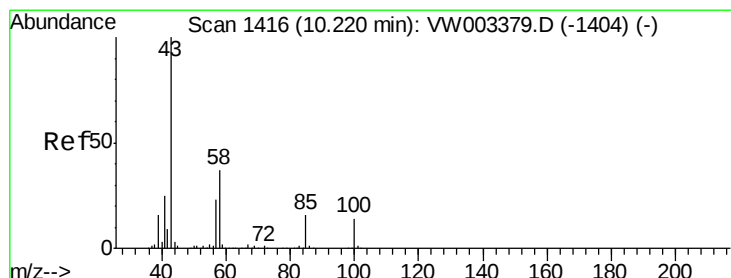
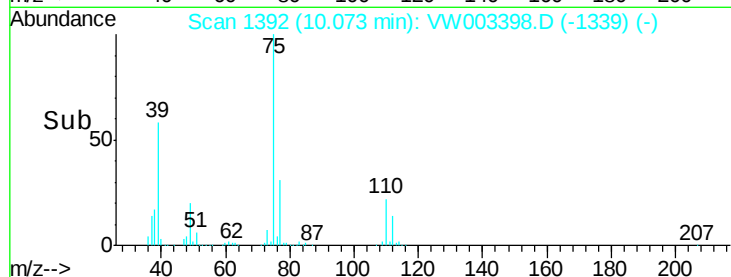
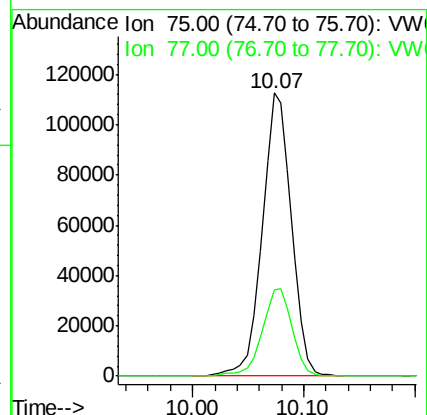
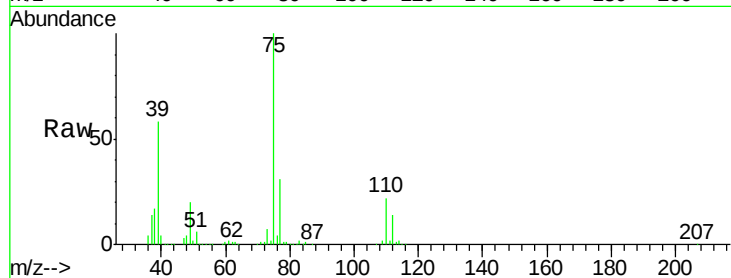
VSTD02595

Tgt Ion: 75 Resp: 205327

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 53.300 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

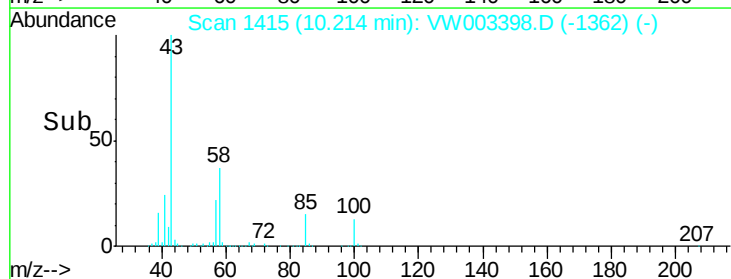
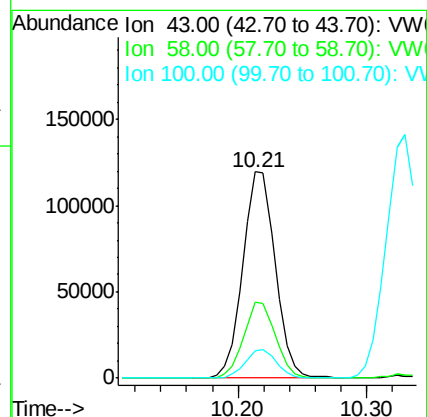
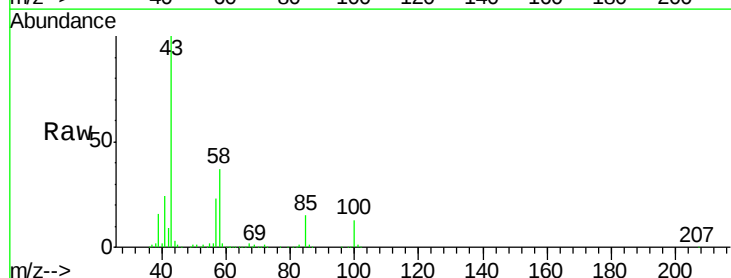
Tgt Ion: 43 Resp: 208372

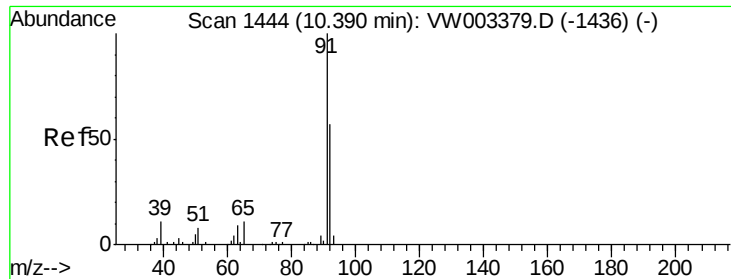
Ion Ratio Lower Upper

43 100

58 36.1 28.7 43.1

100 13.5 11.1 16.7





#44

Toluene

Concen: 24.904 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

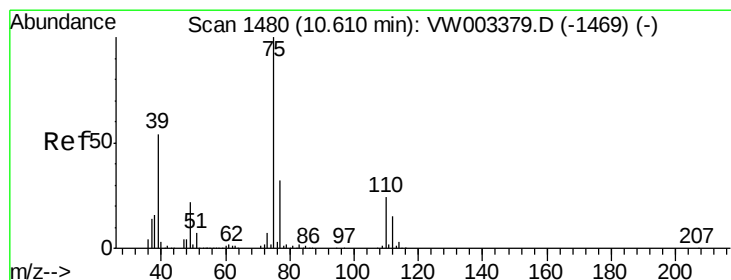
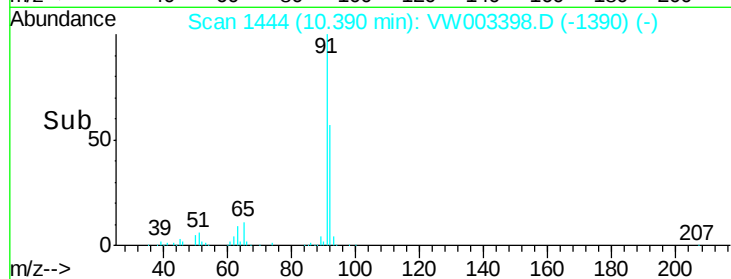
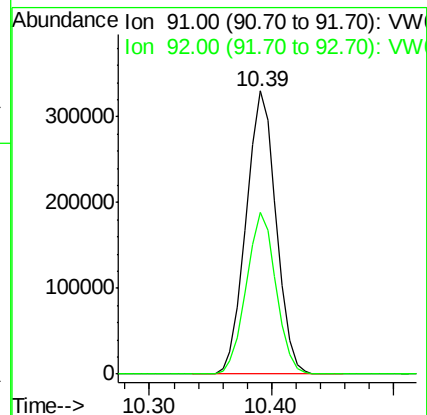
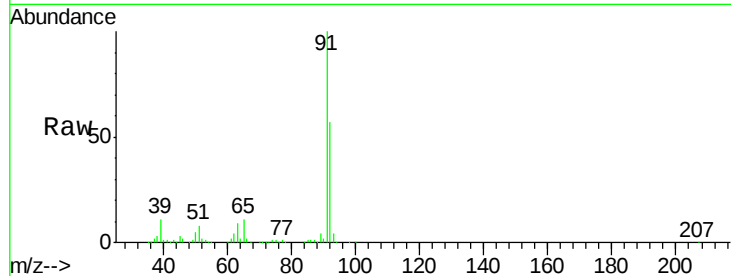
VSTD02595

Tgt Ion: 91 Resp: 561648

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.657 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003398.D

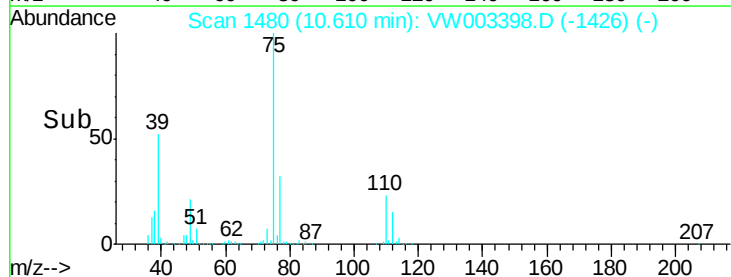
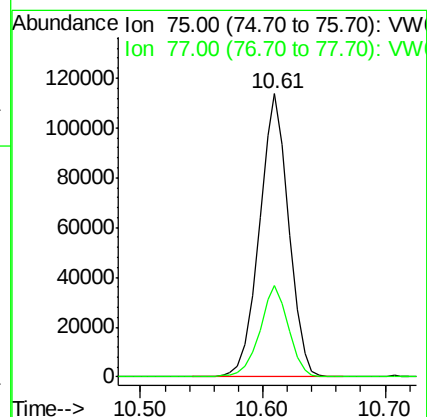
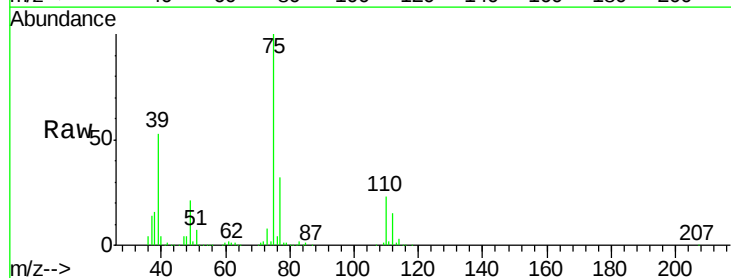
Acq: 21 Jun 2018 19:46

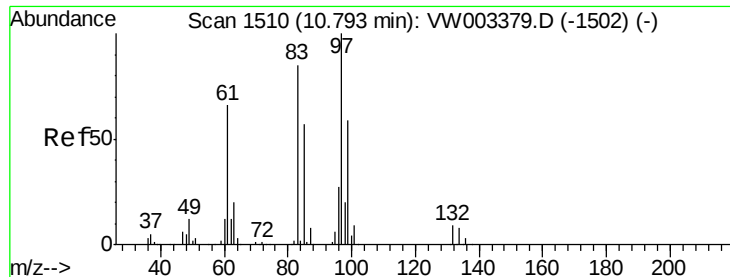
Tgt Ion: 75 Resp: 189612

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6

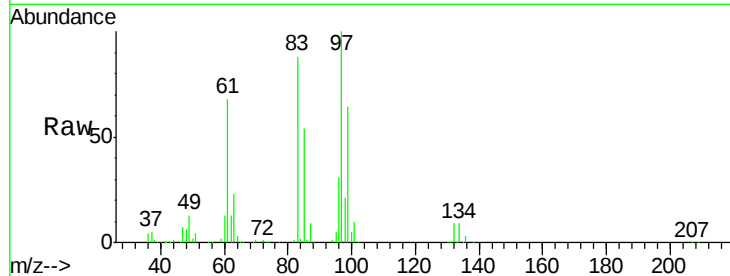




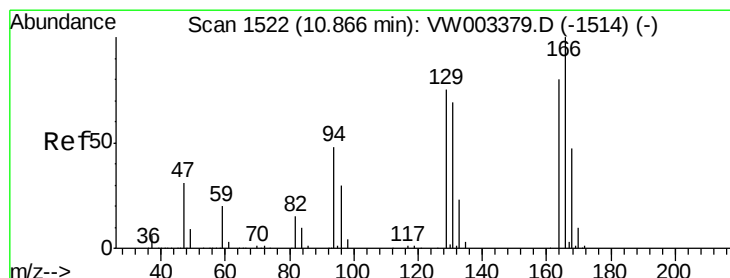
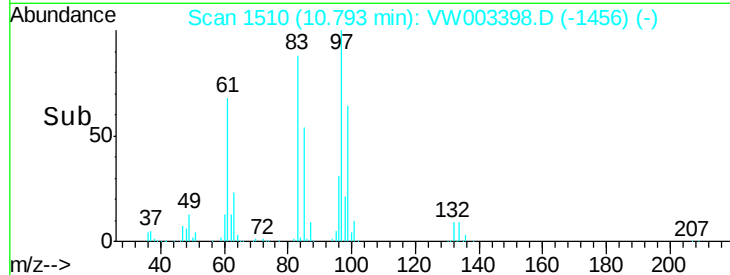
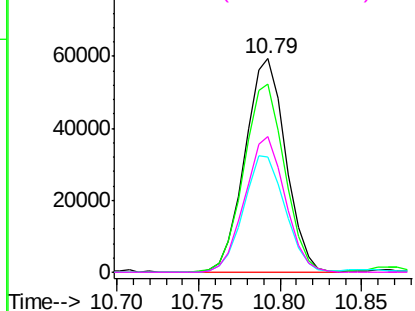
#46
 1,1,2-Trichloroethane
 Concen: 25.296 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Tgt Ion: 97 Resp: 103341
 Ion Ratio Lower Upper
 97 100
 83 88.0 58.8 109.2
 85 53.8 38.8 72.0
 99 63.7 43.8 81.3

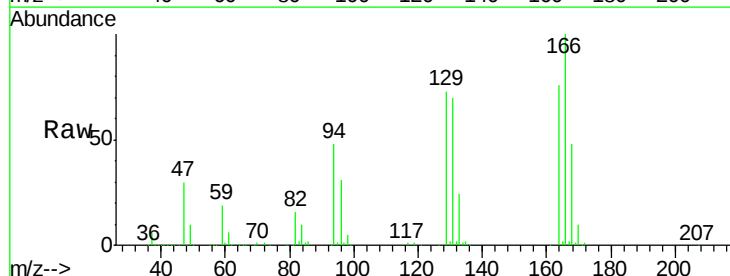


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

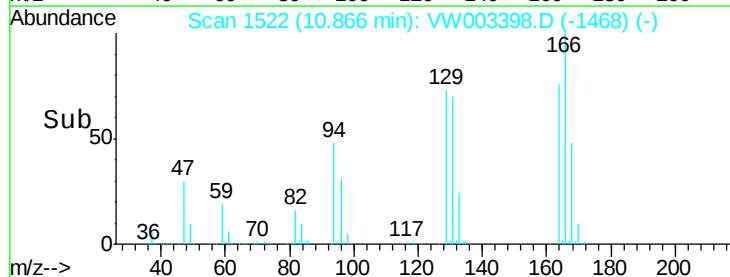
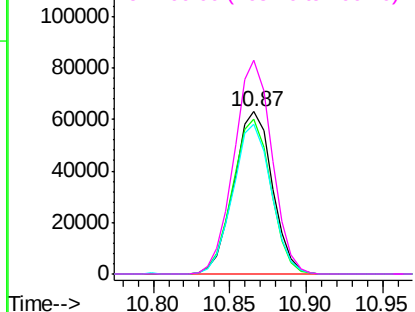


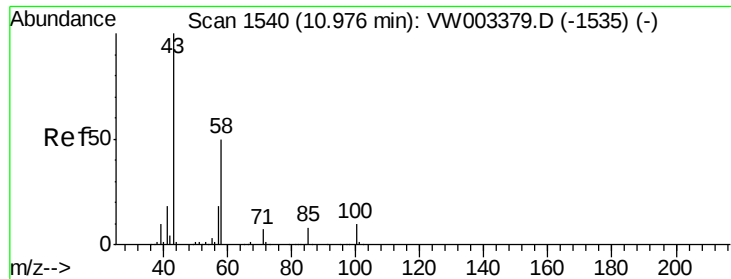
#47
 Tetrachloroethene
 Concen: 23.451 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Tgt Ion: 164 Resp: 110449
 Ion Ratio Lower Upper
 164 100
 129 95.3 67.3 124.9
 131 92.3 63.8 118.4
 166 131.4 90.2 167.4



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

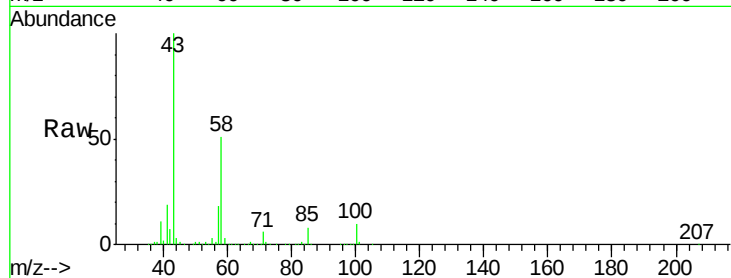




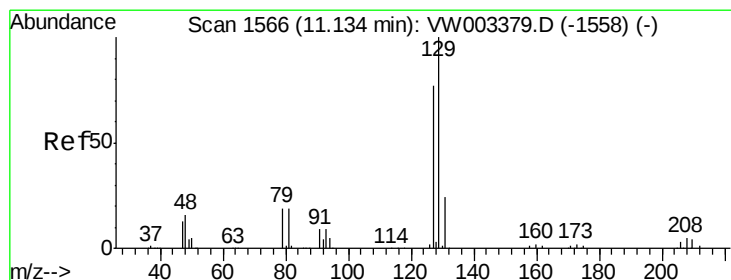
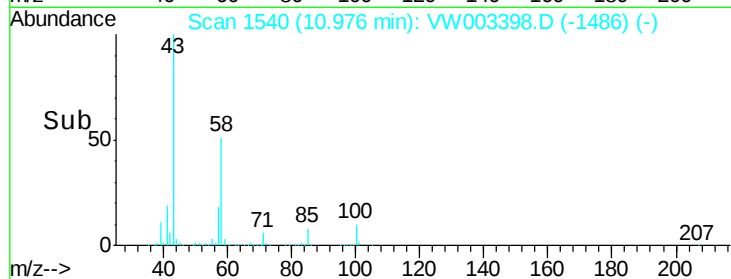
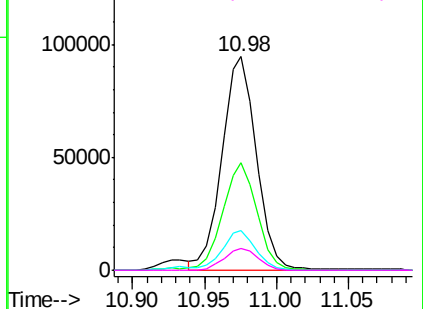
#49
2-Hexanone
Concen: 54.495 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003398.D
Acq: 21 Jun 2018 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

Tgt Ion: 43 Resp: 158760
Ion Ratio Lower Upper
43 100
58 50.2 40.4 60.6
57 17.9 14.6 21.8
100 10.1 8.6 12.8

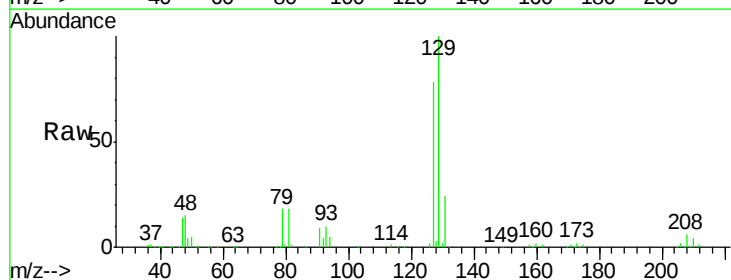


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

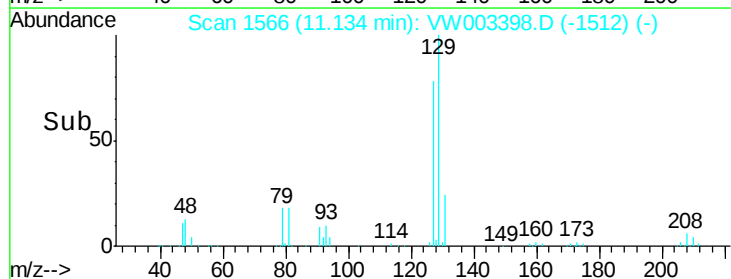
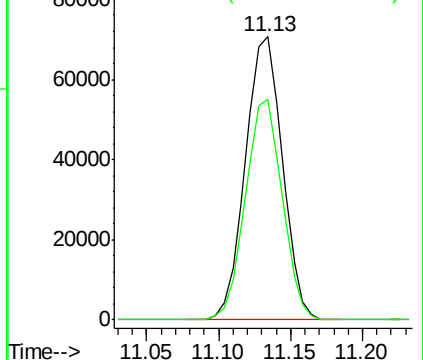


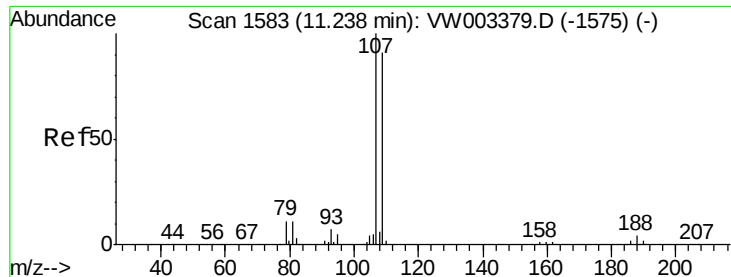
#50
Dibromochloromethane
Concen: 25.298 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003398.D
Acq: 21 Jun 2018 19:46

Tgt Ion: 129 Resp: 125814
Ion Ratio Lower Upper
129 100
127 78.0 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: 25.018 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

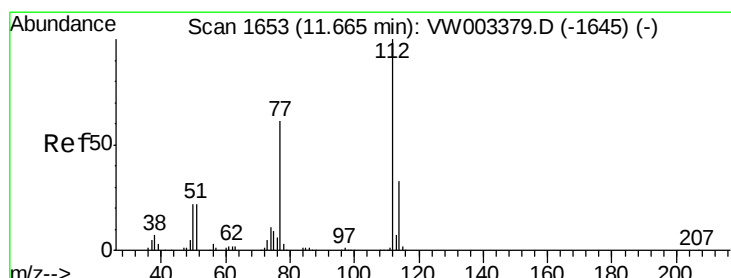
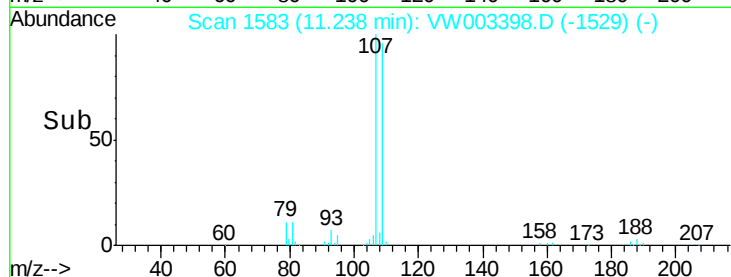
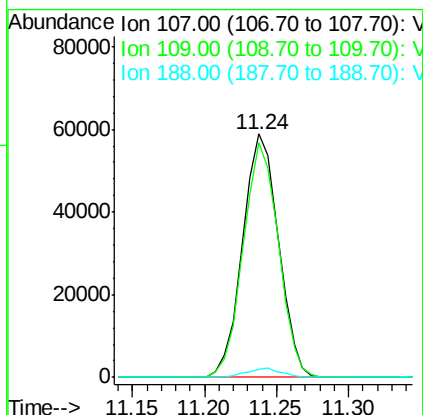
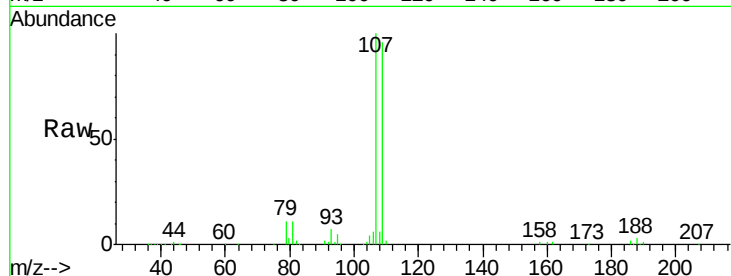
Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

Tgt Ion:	107	Resp:	101560
Ion	Ratio	Lower	Upper
107	100		
109	96.3	64.5	119.9
188	3.2	2.8	4.2



#52

Chlorobenzene

Concen: 24.313 ug/L

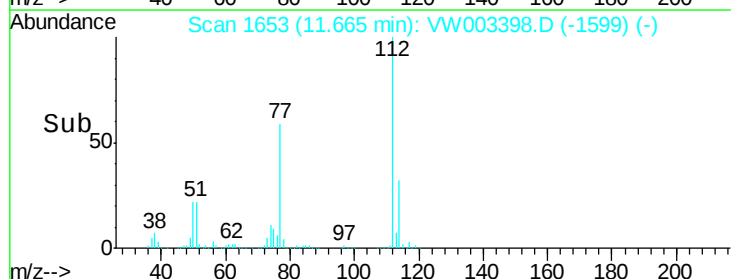
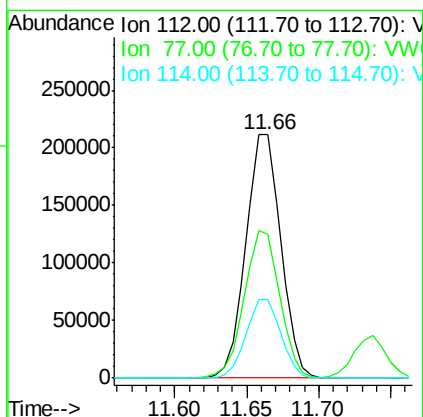
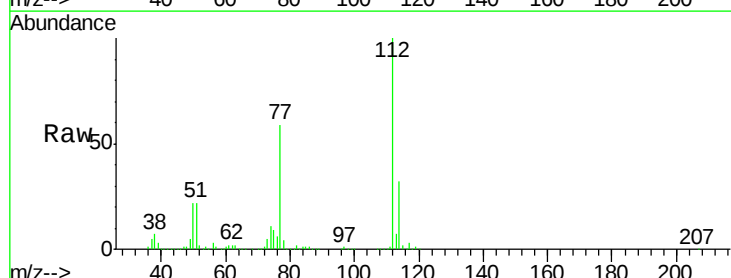
RT: 11.66 min Scan# 1653

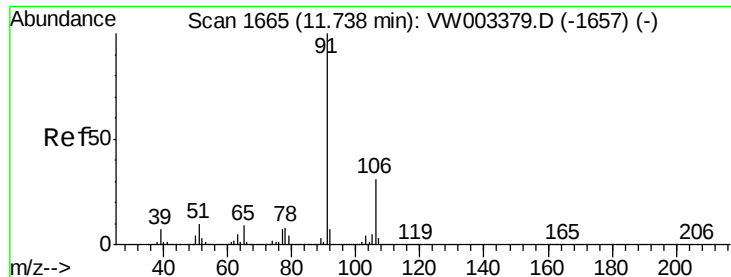
Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Tgt Ion:	112	Resp:	356050
Ion	Ratio	Lower	Upper
112	100		
77	59.1	47.3	70.9
114	32.4	22.2	41.2





#53

Ethylbenzene

Concen: 25.102 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

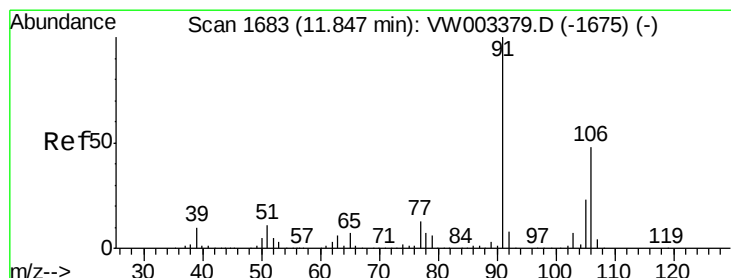
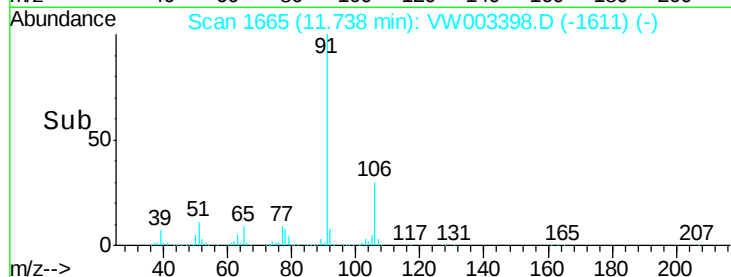
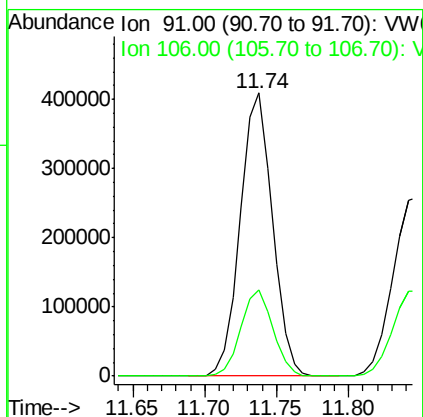
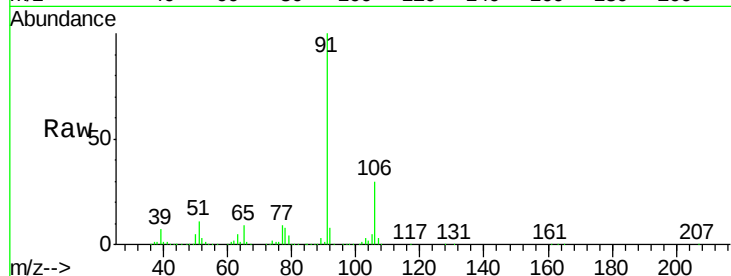
VSTD02595

Tgt Ion: 91 Resp: 634978

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#54

m,p-Xylene

Concen: 25.316 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003398.D

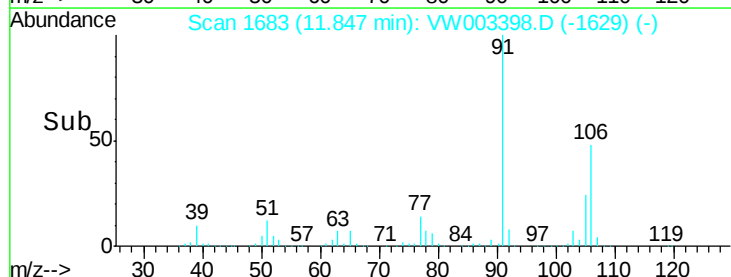
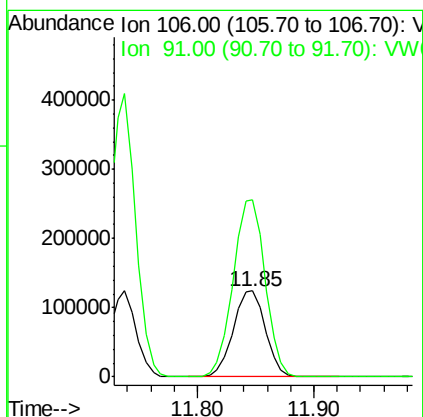
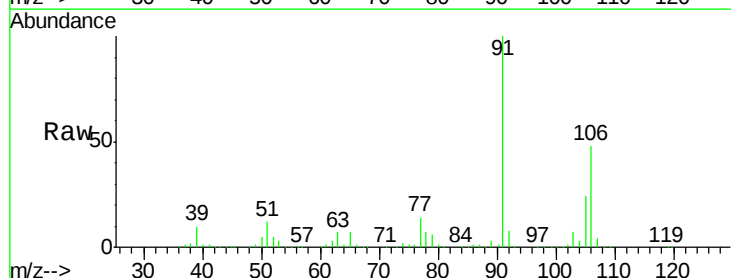
Acq: 21 Jun 2018 19:46

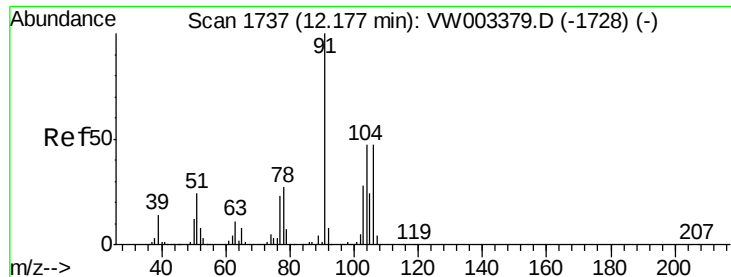
Tgt Ion: 106 Resp: 237841

Ion Ratio Lower Upper

106 100

91 206.8 146.4 271.8





#55

o-xylene

Concen: 25.385 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampled :

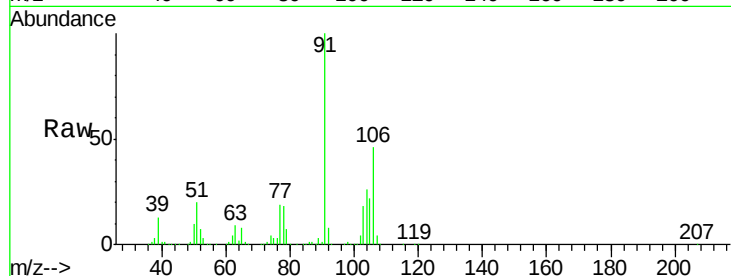
VSTD02595

Tgt Ion:106 Resp: 226854

Ion Ratio Lower Upper

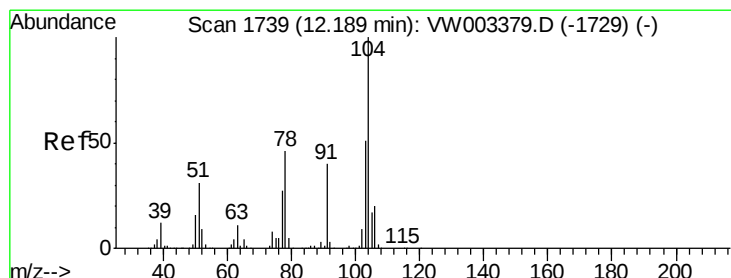
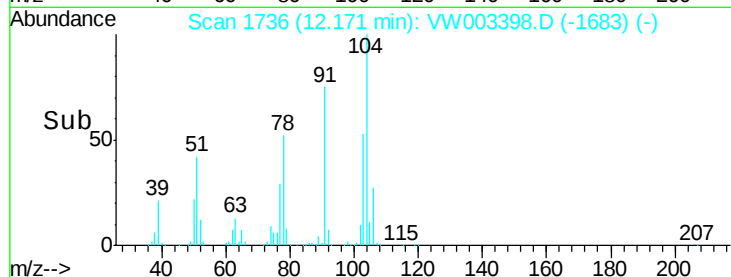
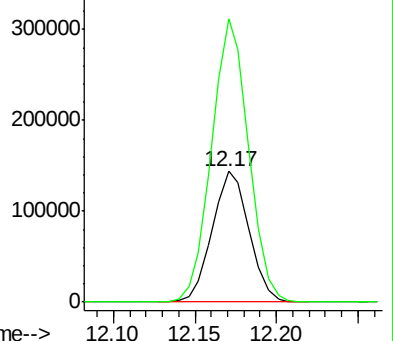
106 100

91 216.6 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.079 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003398.D

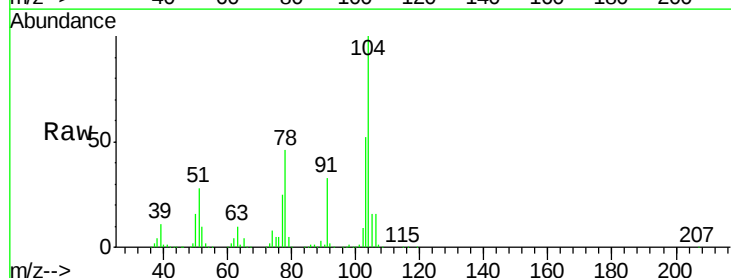
Acq: 21 Jun 2018 19:46

Tgt Ion:104 Resp: 402365

Ion Ratio Lower Upper

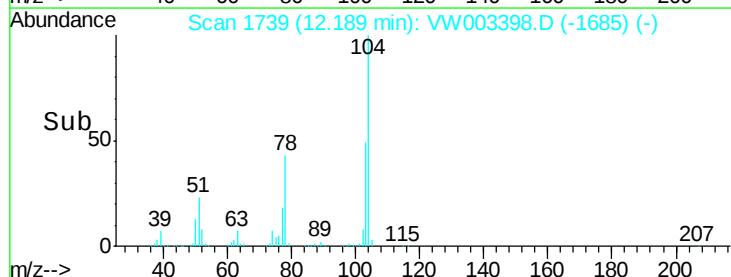
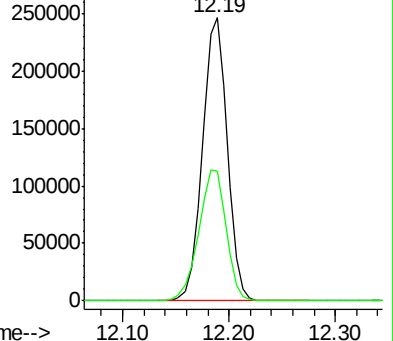
104 100

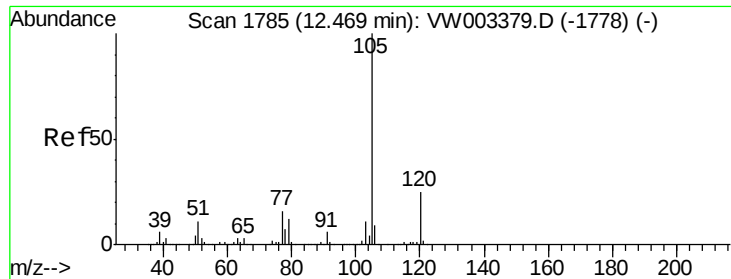
78 45.7 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.320 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampled :

VSTD02595

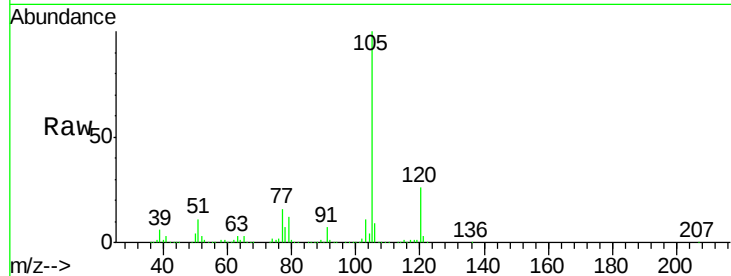
Tgt Ion: 105 Resp: 627810

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

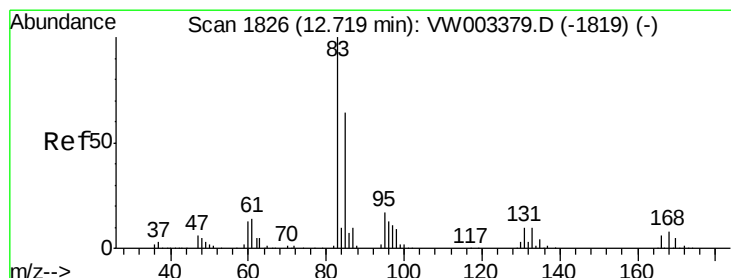
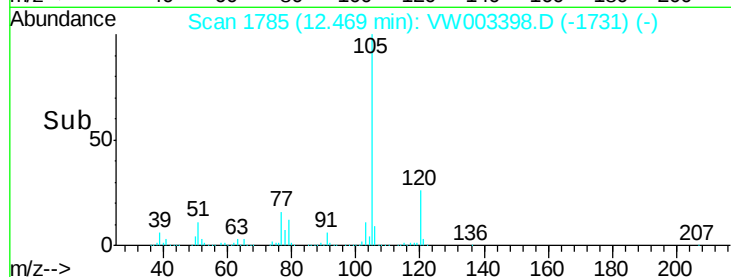
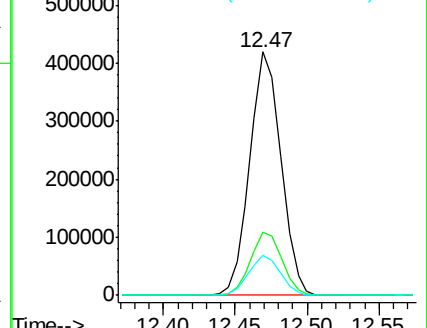
77 16.7 13.3 19.9



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: 26.036 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

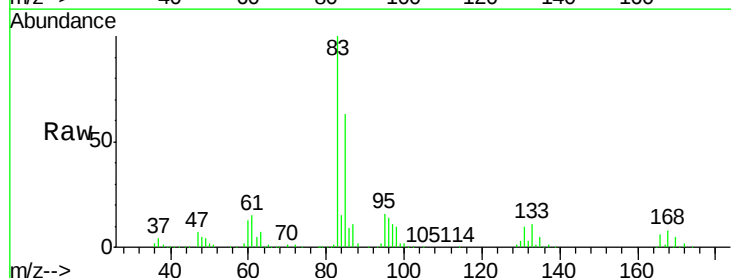
Tgt Ion: 83 Resp: 140217

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

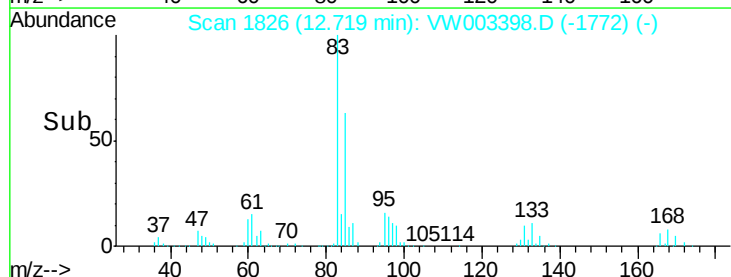
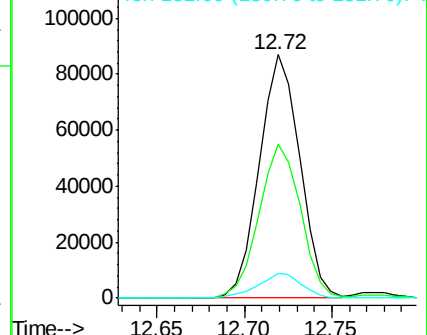
131 10.3 8.2 12.2

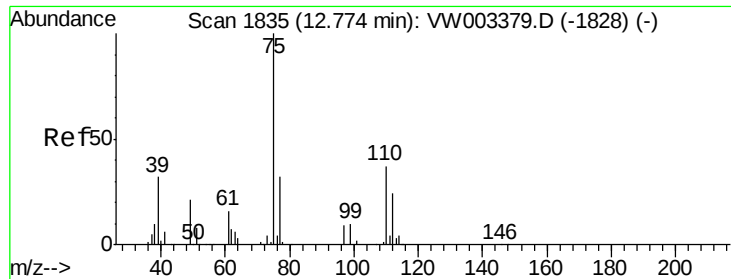


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

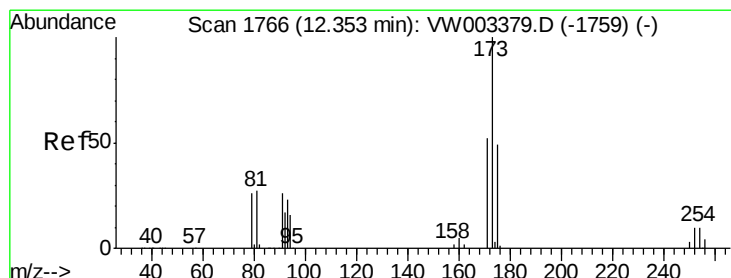
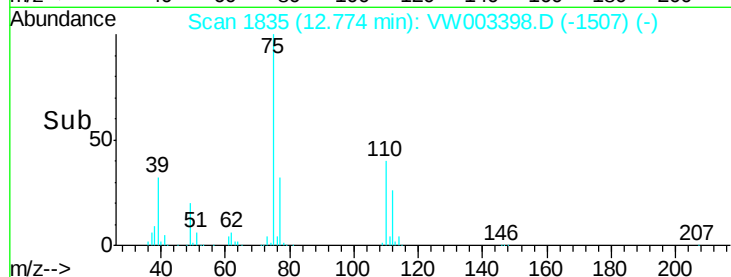
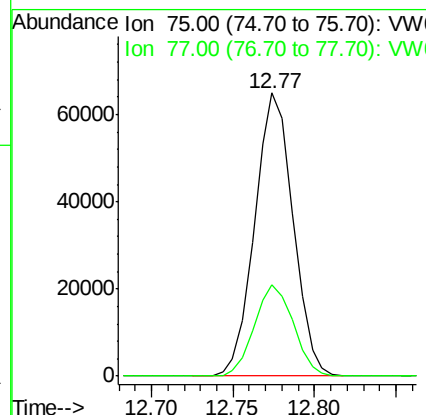
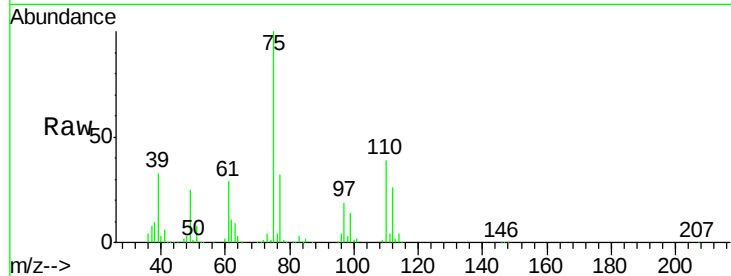




#59
 1,2,3-Trichloropropane
 Concen: 25.657 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

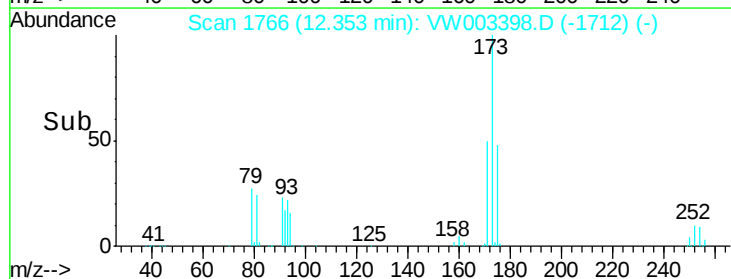
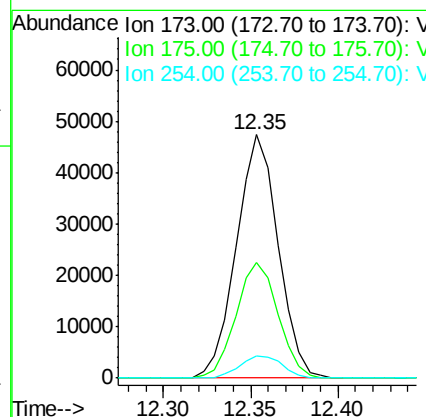
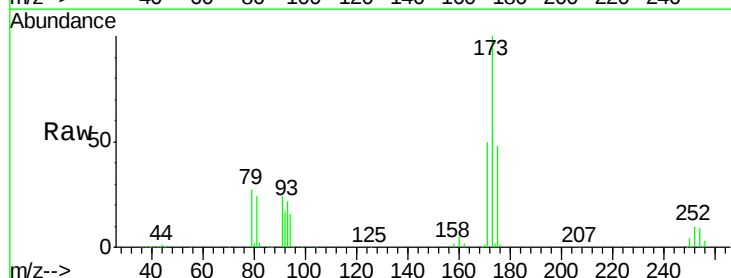
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

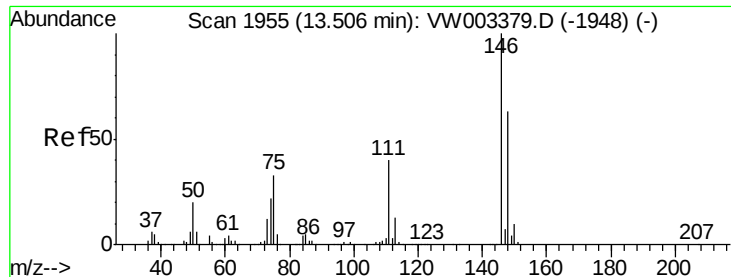
Tgt Ion: 75 Resp: 105895
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.0 39.0



#62
 Bromoform
 Concen: 24.635 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Tgt Ion: 173 Resp: 78764
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.9 59.9
 254 9.2 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 24.036 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

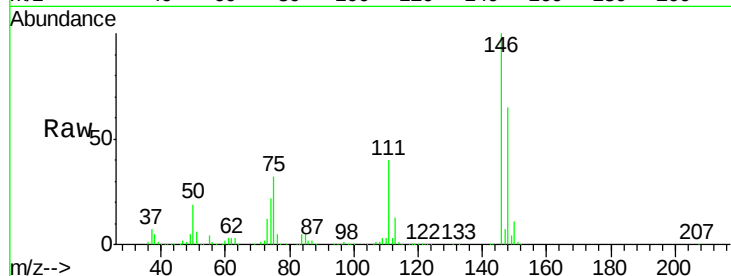
Tgt Ion:146 Resp: 280760

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

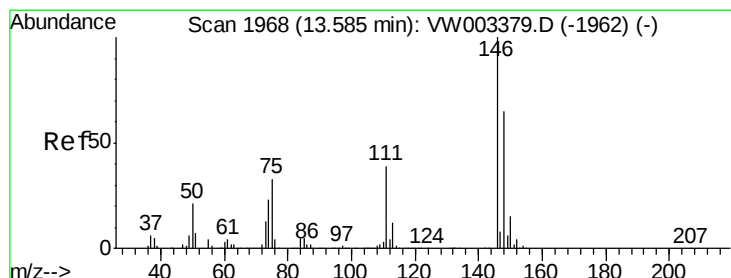
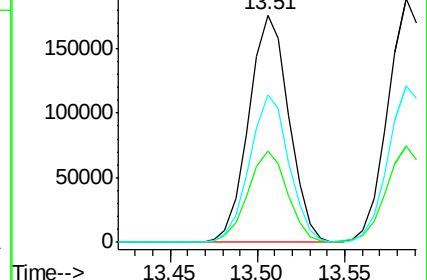
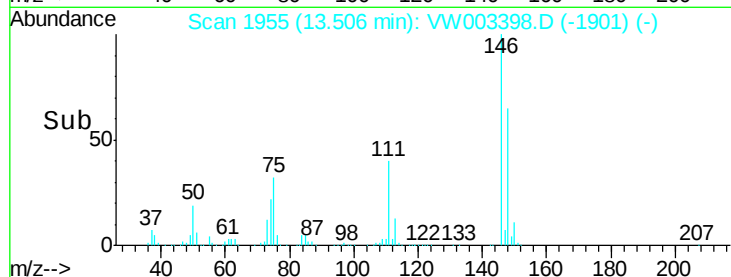
148 64.9 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.212 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

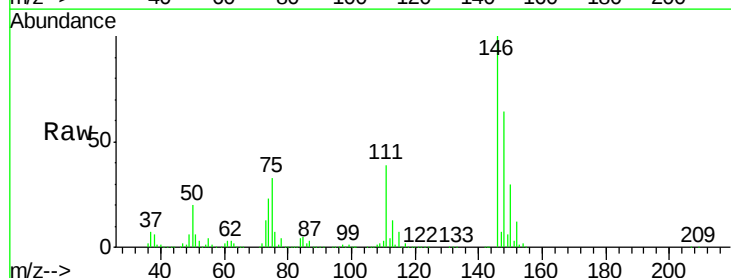
Tgt Ion:146 Resp: 296517

Ion Ratio Lower Upper

146 100

111 39.5 26.8 49.8

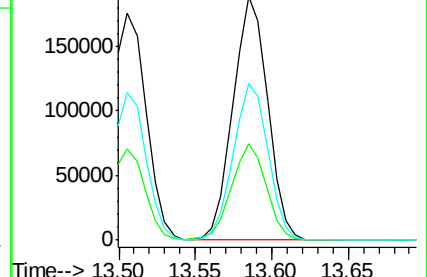
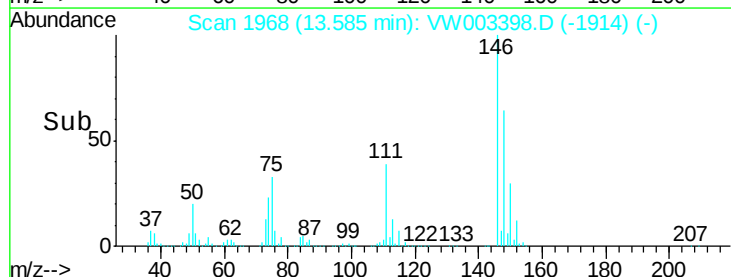
148 64.2 45.4 84.2

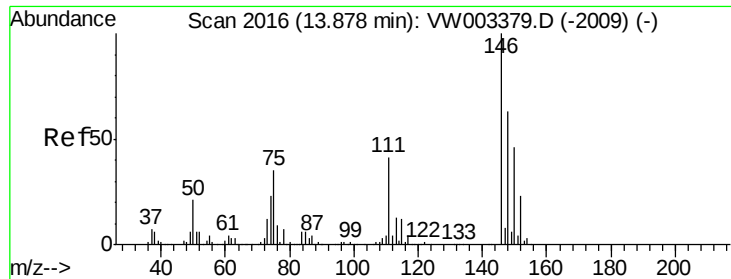


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

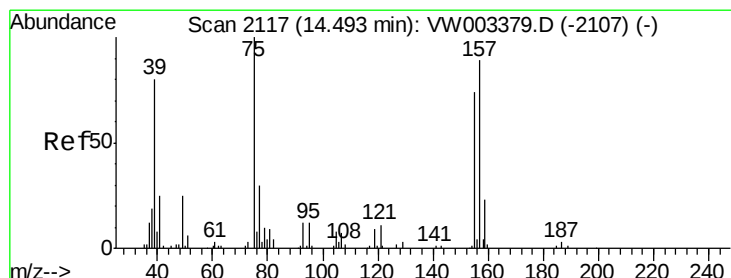
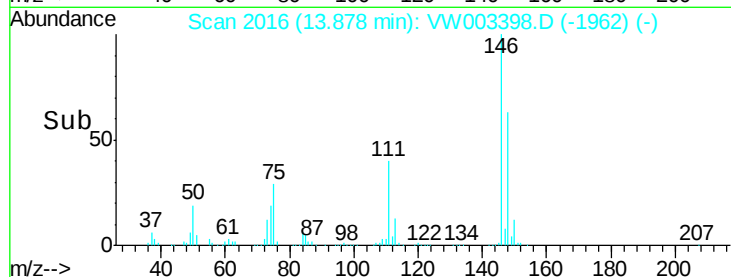
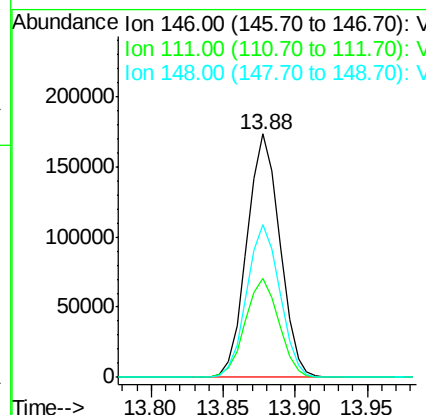
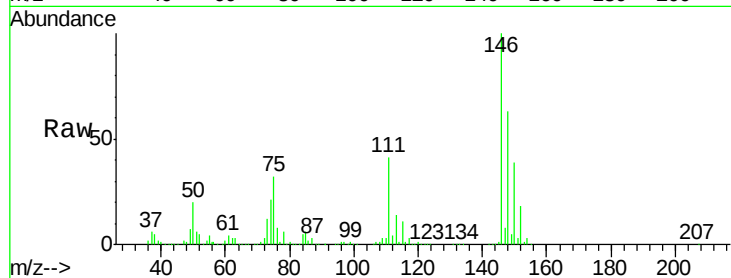




#65
 1,2-Dichlorobenzene
 Concen: 24.586 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

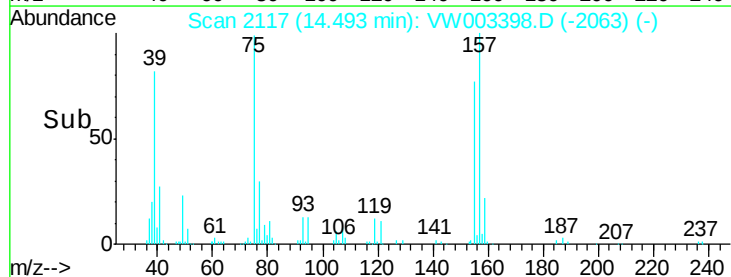
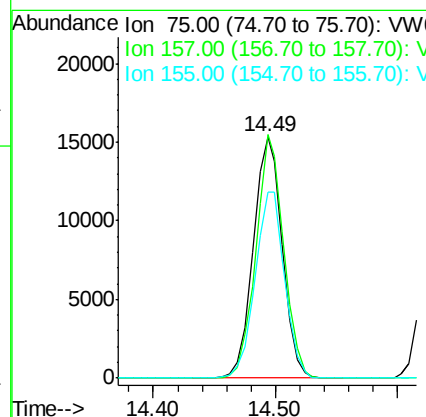
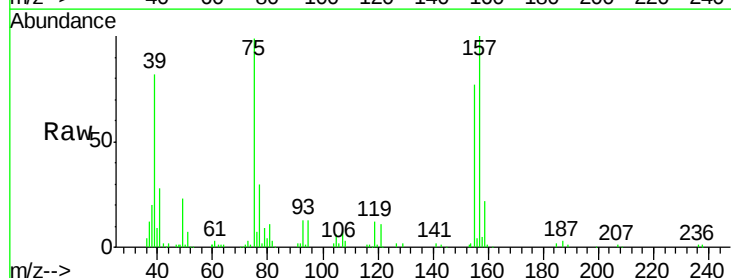
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

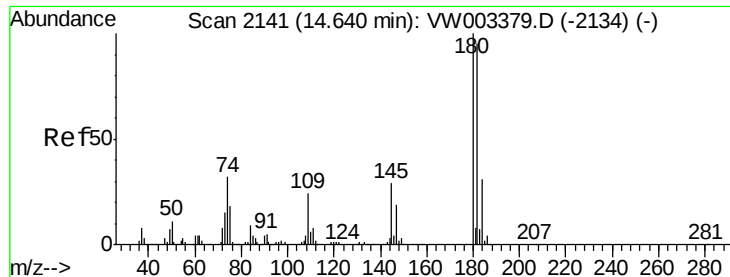
Tgt Ion: 146 Resp: 274183
 Ion Ratio Lower Upper
 146 100
 111 40.7 33.1 49.7
 148 62.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.638 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Tgt Ion: 75 Resp: 25092
 Ion Ratio Lower Upper
 75 100
 157 101.0 70.7 106.1
 155 77.3 59.0 88.6

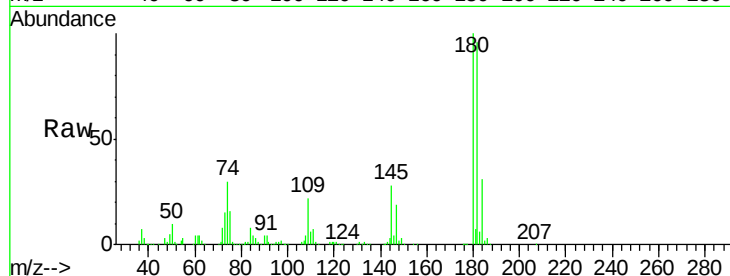




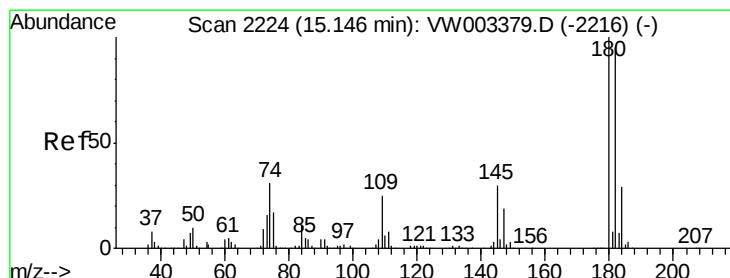
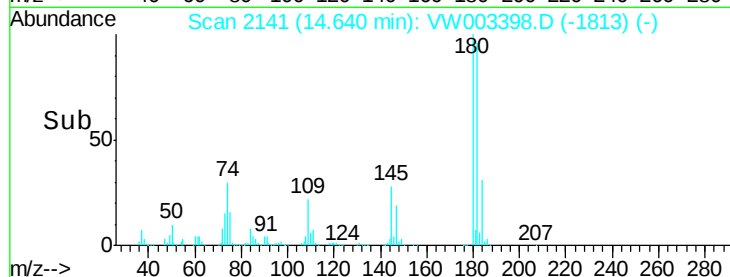
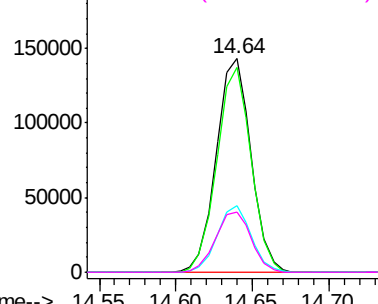
#67
 1,3,5-Trichlorobenzene
 Concen: 24.787 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Tgt Ion:180 Resp: 224989
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.9 113.9
 184 30.6 24.5 36.7
 145 29.1 23.4 35.2

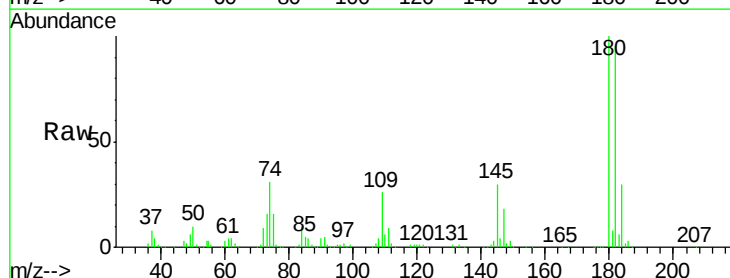


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

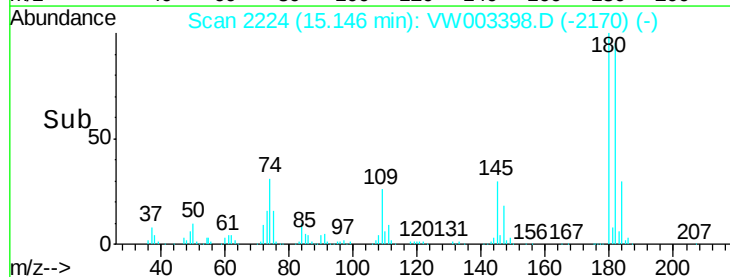
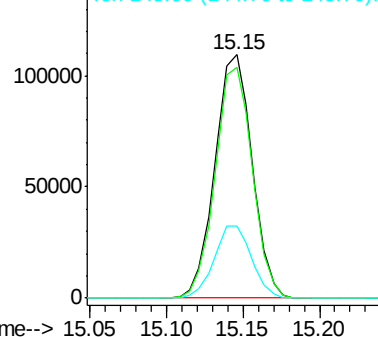


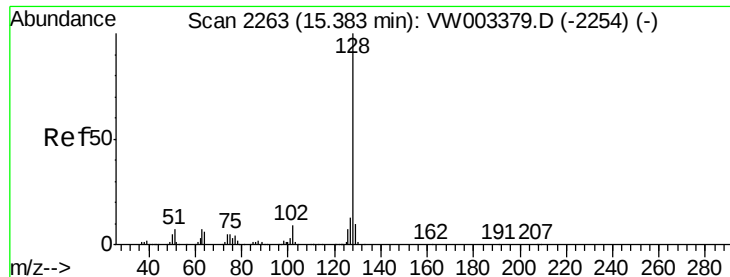
#68
 1,2,4-trichlorobenzene
 Concen: 25.066 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003398.D
 Acq: 21 Jun 2018 19:46

Tgt Ion:180 Resp: 185218
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.8 112.2
 145 29.7 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: 26.923 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

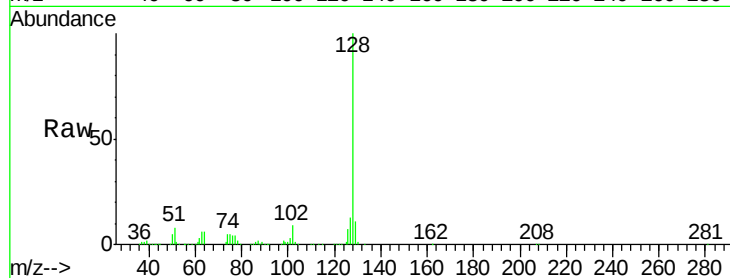
Tgt Ion:128 Resp: 372233

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

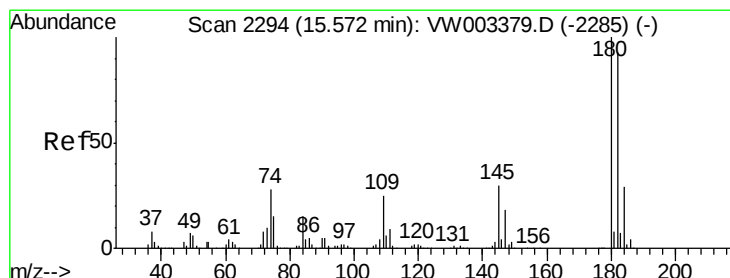
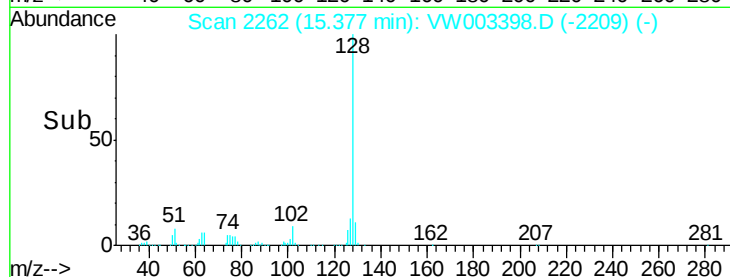
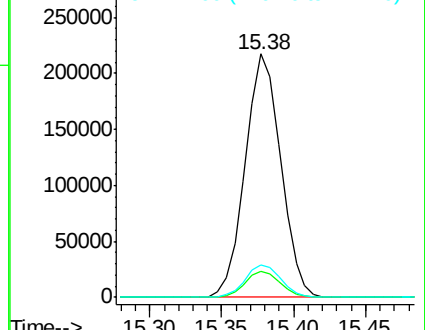
127 13.4 10.9 16.3



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: 25.931 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003398.D

Acq: 21 Jun 2018 19:46

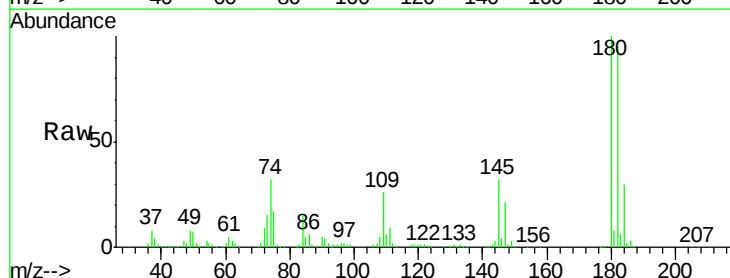
Tgt Ion:180 Resp: 175614

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.0

145 31.7 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

