

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006073.D
 Acq On : 16 Oct 2018 12:52
 Operator : VA/AP
 Sample : VW1016SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

Quant Time: Oct 16 14:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	308380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	432271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	218776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119462	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.88	113	124622	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.33	98	477570	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.62	95	178935	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24117	15.80	ug/l	96
3) Chloromethane	2.21	50	33160	16.88	ug/l	99
4) Vinyl Chloride	2.37	62	51065	18.20	ug/l	99
5) Bromomethane	2.78	94	48258	18.91	ug/l	98
6) Chloroethane	2.93	64	35754	17.78	ug/l	97
7) Trichlorofluoromethane	3.26	101	49274	18.85	ug/l	96
8) Diethyl Ether	3.68	74	24067	17.33	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	55159	20.14	ug/l	98
10) Methyl Iodide	4.26	142	89566	19.65	ug/l	99
11) Tert butyl alcohol	5.19	59	17350	100.90	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	50912	19.76	ug/l	95
13) Acrolein	3.90	56	17497	105.16	ug/l	94
14) Allyl chloride	4.67	41	72590	19.70	ug/l	99
15) Acrylonitrile	5.37	53	46851	94.05	ug/l	99
16) Acetone	4.13	43	57626	111.97	ug/l	100
17) Carbon Disulfide	4.37	76	152739	19.64	ug/l	99
18) Methyl Acetate	4.67	43	23135	17.98	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	76850	19.58	ug/l	100
20) Methylene Chloride	4.91	84	55153	19.39	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	57451	19.98	ug/l	100
22) Diisopropyl ether	6.31	45	147618	20.28	ug/l	99
23) Vinyl Acetate	6.26	43	415654	96.74	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95032	20.23	ug/l	98
25) 2-Butanone	7.18	43	70765	102.46	ug/l	99
26) 2,2-Dichloropropane	7.17	77	69694	21.03	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63704	20.07	ug/l	100
28) Bromochloromethane	7.51	49	31100	17.15	ug/l	97
29) Tetrahydrofuran	7.54	42	39269	92.50	ug/l	100
30) Chloroform	7.68	83	101167	19.77	ug/l	100
31) Cyclohexane	7.96	56	92290	19.73	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	92184	19.97	ug/l	99
36) 1,1-Dichloropropene	8.09	75	82299	20.66	ug/l	100
37) Ethyl Acetate	7.25	43	27963	18.89	ug/l	100
38) Carbon Tetrachloride	8.07	117	89917	20.59	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006073.D
 Acq On : 16 Oct 2018 12:52
 Operator : VA/AP
 Sample : VW1016SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

Quant Time: Oct 16 14:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	109021	20.58	ug/l	99
40) Benzene	8.33	78	224181	20.51	ug/l	99
41) Methacrylonitrile	7.49	41	16771	18.79	ug/l	93
42) 1,2-Dichloroethane	8.40	62	64348	20.04	ug/l	100
43) Isopropyl Acetate	8.43	43	58756	19.41	ug/l	99
44) Trichloroethene	9.09	130	69351	20.68	ug/l	99
45) 1,2-Dichloropropane	9.37	63	52690	20.15	ug/l	98
46) Dibromomethane	9.46	93	29550	19.82	ug/l	99
47) Bromodichloromethane	9.65	83	72827	20.15	ug/l	100
48) Methyl methacrylate	9.44	41	27414	19.11	ug/l	97
49) 1,4-Dioxane	9.46	88	8330	363.01	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	144221	95.10	ug/l	100
52) Toluene	10.39	92	152803	20.85	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	73373	20.38	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	84181	20.37	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	40876	19.60	ug/l	97
56) Ethyl methacrylate	10.65	69	49134	19.21	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69052	20.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	99155	101.48	ug/l	99
59) 2-Hexanone	10.98	43	108563	100.29	ug/l	99
60) Dibromochloromethane	11.13	129	51431	19.79	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41567	19.94	ug/l	98
64) Tetrachloroethene	10.87	164	63619	20.98	ug/l	100
65) Chlorobenzene	11.66	112	174100	20.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	61279	20.62	ug/l	100
67) Ethyl Benzene	11.74	91	304157	20.99	ug/l	99
68) m/p-Xylenes	11.84	106	239889	41.88	ug/l	100
69) o-Xylene	12.17	106	112070	20.53	ug/l	99
70) Styrene	12.19	104	181963	20.50	ug/l	99
71) Bromoform	12.35	173	31610	19.07	ug/l #	99
73) Isopropylbenzene	12.47	105	322040	20.84	ug/l	100
74) N-amyl acetate	12.28	43	57062	19.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45853	19.51	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61070	36.55	ug/l #	100
77) Bromobenzene	12.75	156	77013	20.34	ug/l	100
78) n-propylbenzene	12.81	91	378222	21.03	ug/l	100
79) 2-Chlorotoluene	12.90	91	209326	20.72	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	270819	20.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12851	18.38	ug/l	94
82) 4-Chlorotoluene	12.99	91	222728	21.05	ug/l	99
83) tert-Butylbenzene	13.21	119	242791	20.83	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	277928	21.08	ug/l	100
85) sec-Butylbenzene	13.39	105	347078	21.07	ug/l	100
86) p-Isopropyltoluene	13.51	119	313497	21.05	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	156439	20.76	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	155966	20.79	ug/l	99
89) n-Butylbenzene	13.83	91	289970	21.28	ug/l	100
90) Hexachloroethane	14.10	117	51723	20.50	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	137828	20.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7718	18.34	ug/l	99

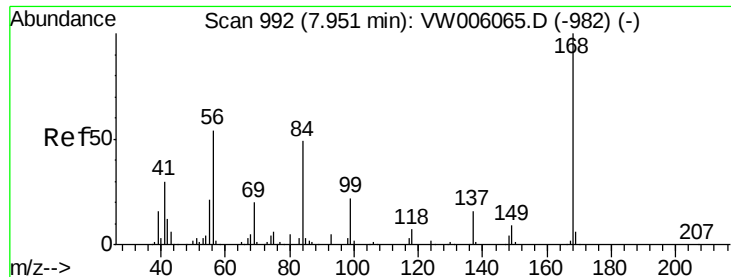
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
Data File : VW006073.D
Acq On : 16 Oct 2018 12:52
Operator : VA/AP
Sample : VW1016SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Quant Time: Oct 16 14:44:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	106031	20.51	ug/l	100
94) Hexachlorobutadiene	15.24	225	68365	21.05	ug/l	99
95) Naphthalene	15.38	128	161732	18.80	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	88991	19.90	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

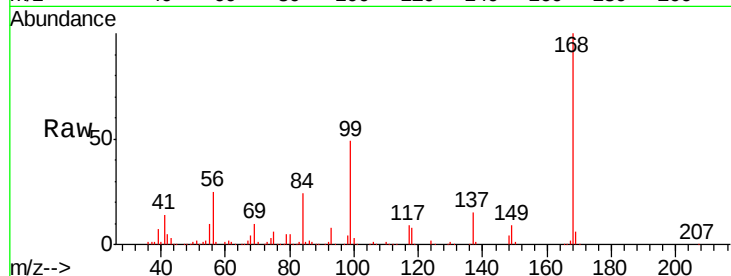
VW1016SBS01

Tgt Ion:168 Resp: 308380

Ion Ratio Lower Upper

168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

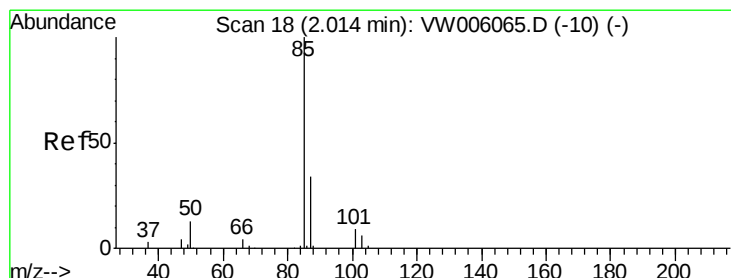
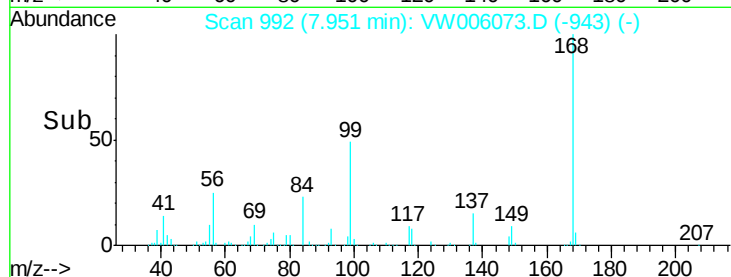
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 15.80 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006073.D

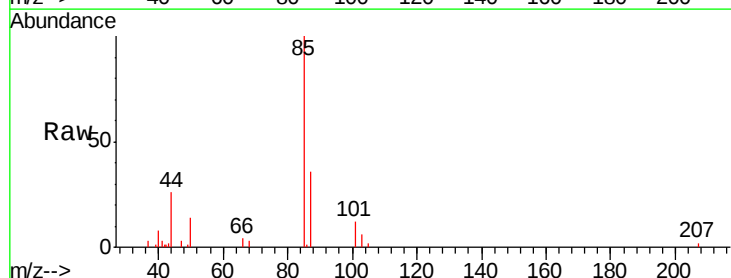
Acq: 16 Oct 2018 12:52

Tgt Ion: 85 Resp: 24117

Ion Ratio Lower Upper

85 100

87 36.2 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

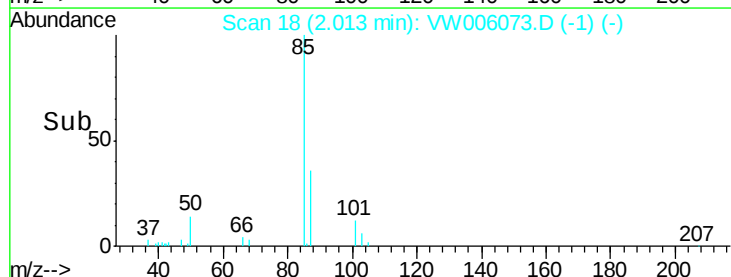
6000

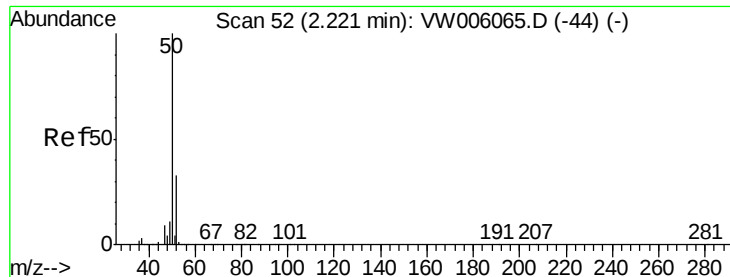
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 16.88 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

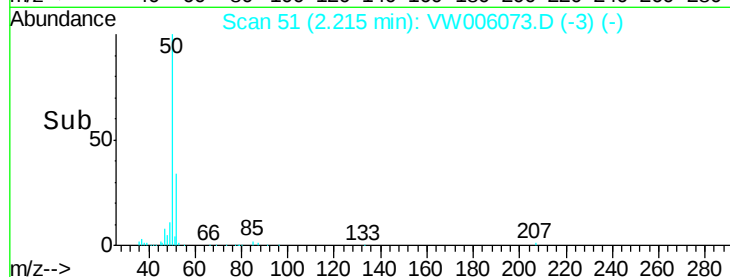
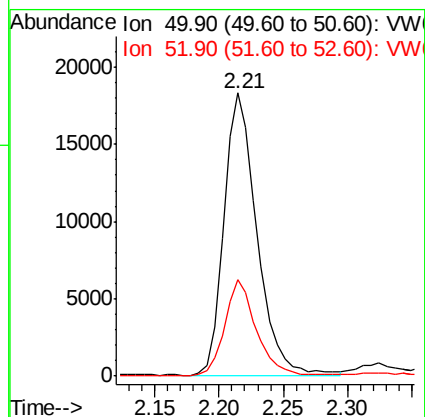
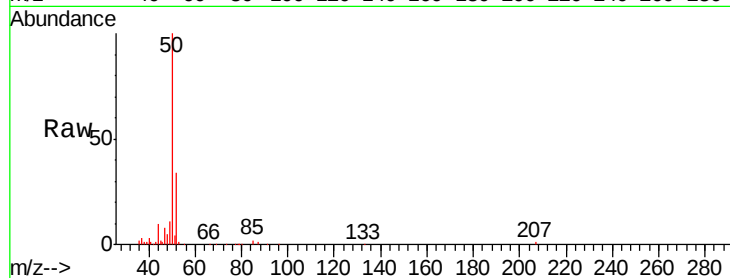
VW1016SBS01

Tgt Ion: 50 Resp: 33160

Ion Ratio Lower Upper

50 100

52 33.9 26.8 40.2



#4

Vinyl Chloride

Concen: 18.20 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006073.D

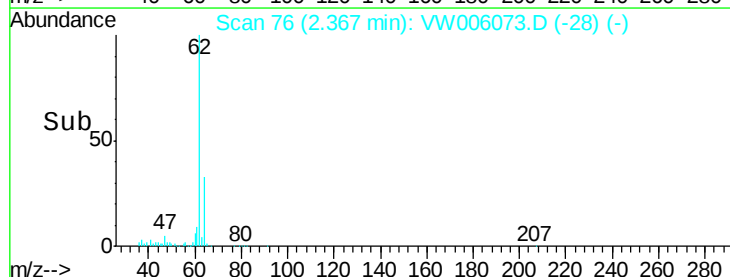
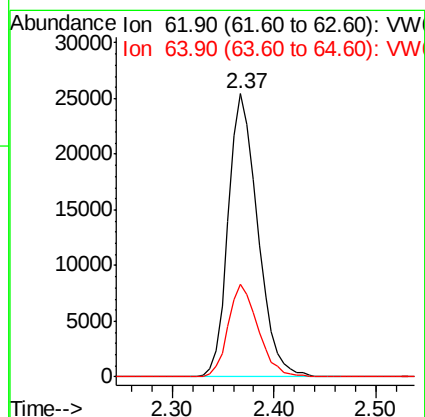
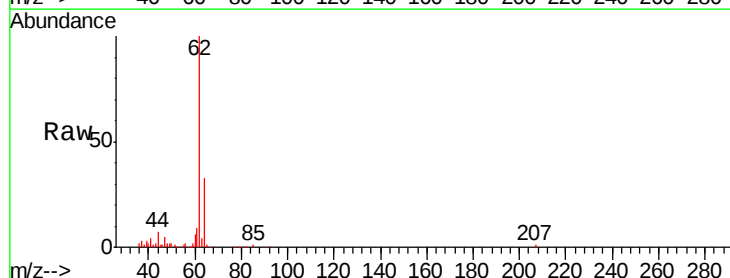
Acq: 16 Oct 2018 12:52

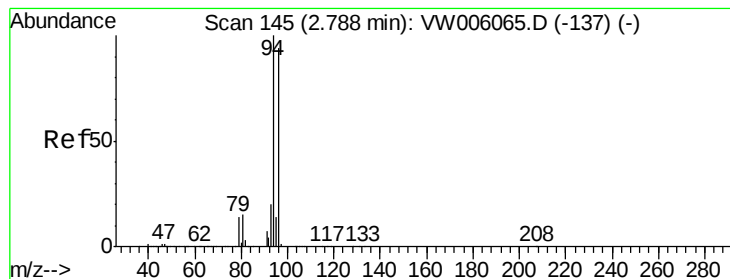
Tgt Ion: 62 Resp: 51065

Ion Ratio Lower Upper

62 100

64 32.8 25.9 38.9





#5

Bromomethane

Concen: 18.91 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

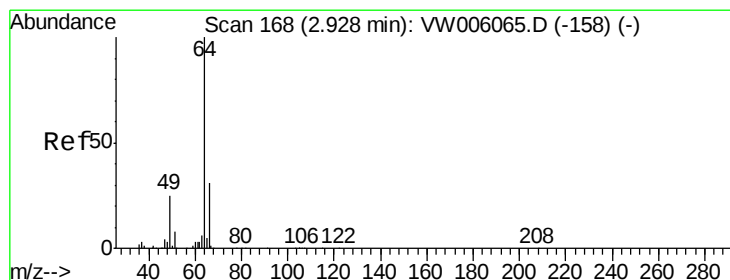
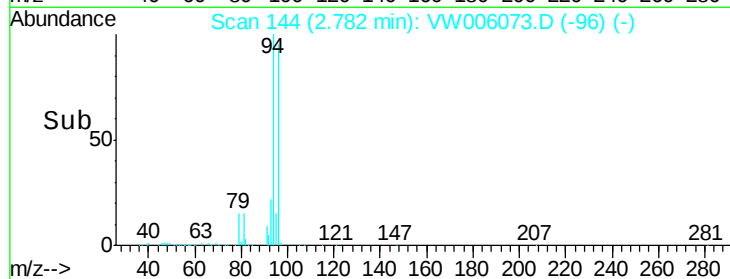
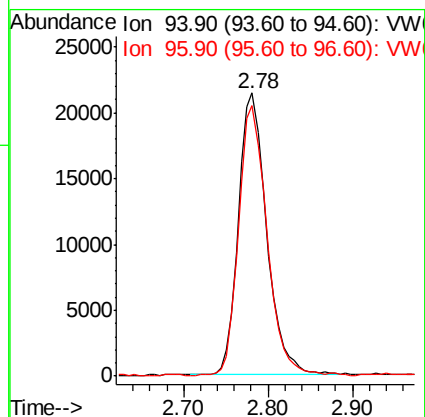
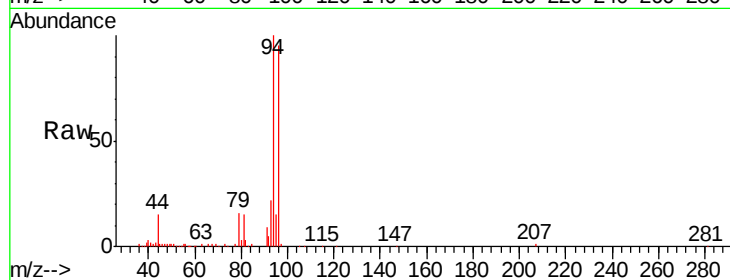
VW1016SBS01

Tgt Ion: 94 Resp: 48258

Ion Ratio Lower Upper

94 100

96 95.4 74.9 112.3



#6

Chloroethane

Concen: 17.78 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006073.D

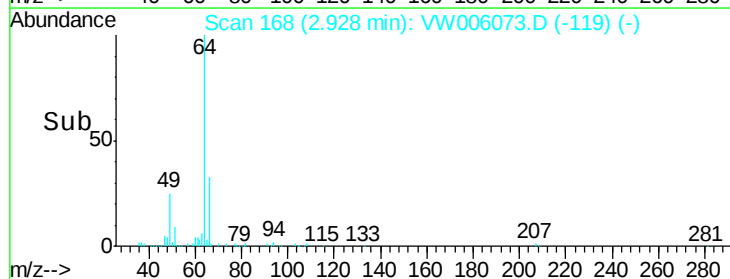
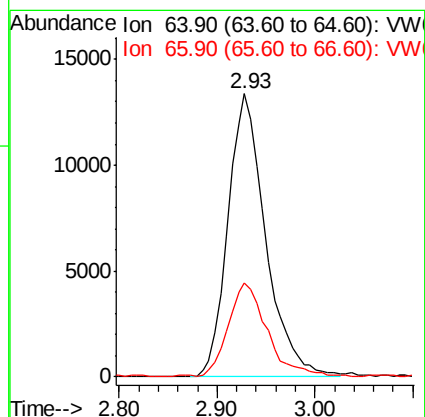
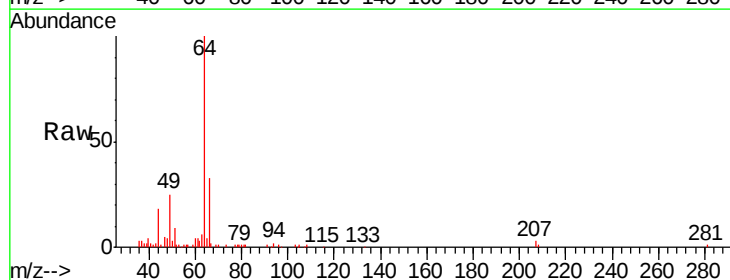
Acq: 16 Oct 2018 12:52

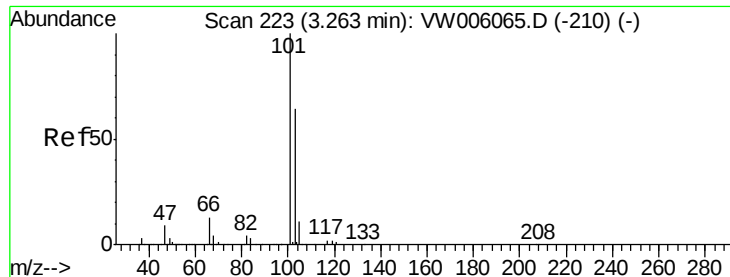
Tgt Ion: 64 Resp: 35754

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3





#7

Trichlorofluoromethane

Concen: 18.85 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

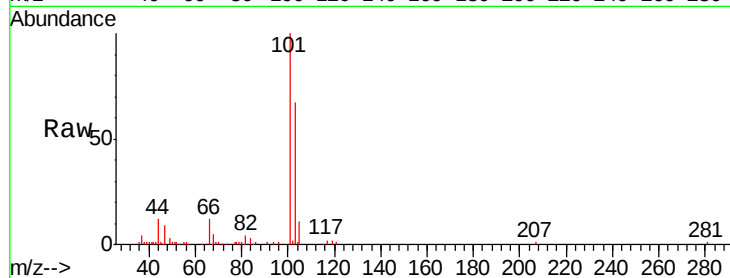
VW1016SBS01

Tgt Ion:101 Resp: 49274

Ion Ratio Lower Upper

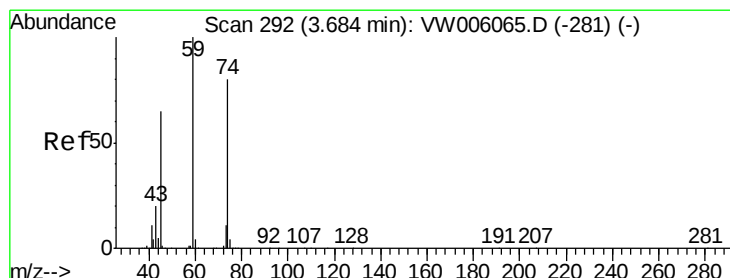
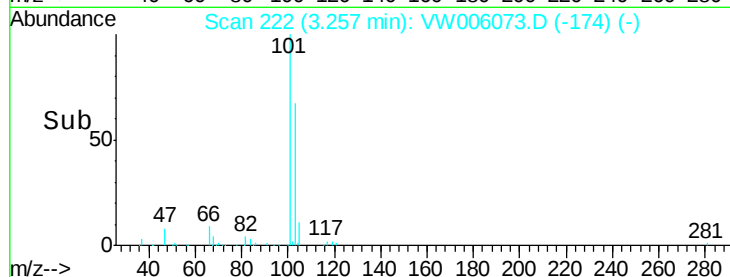
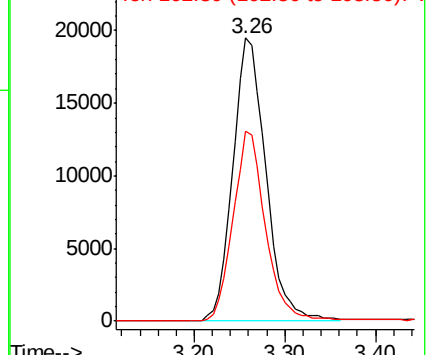
101 100

103 67.2 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 17.33 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006073.D

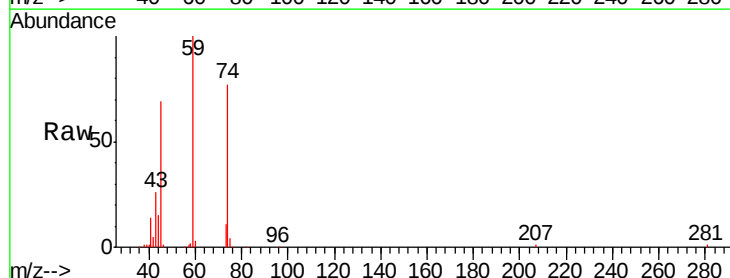
Acq: 16 Oct 2018 12:52

Tgt Ion: 74 Resp: 24067

Ion Ratio Lower Upper

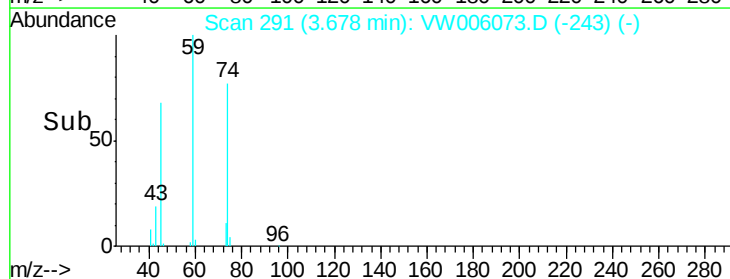
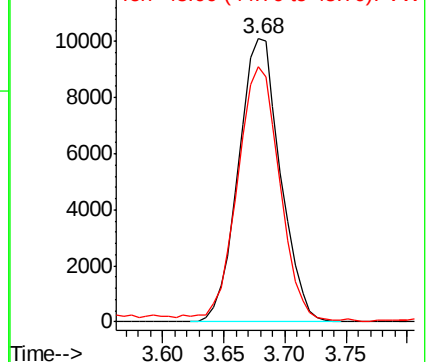
74 100

45 91.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.14 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

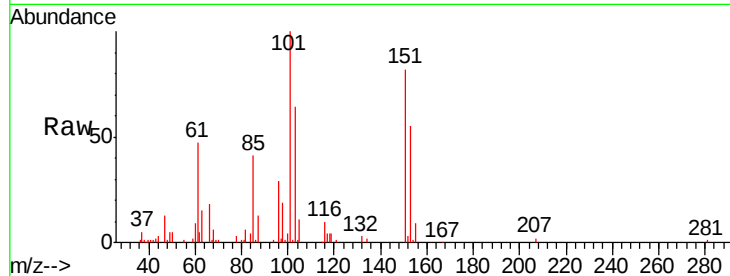
Tgt Ion:101 Resp: 55159

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

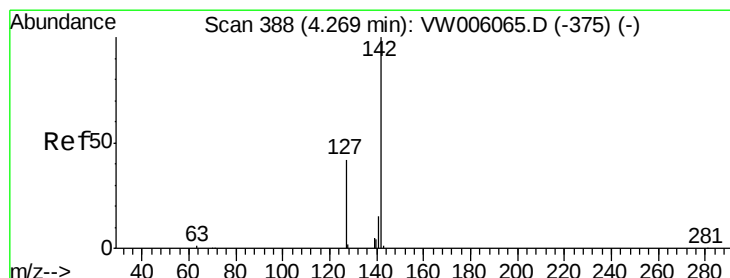
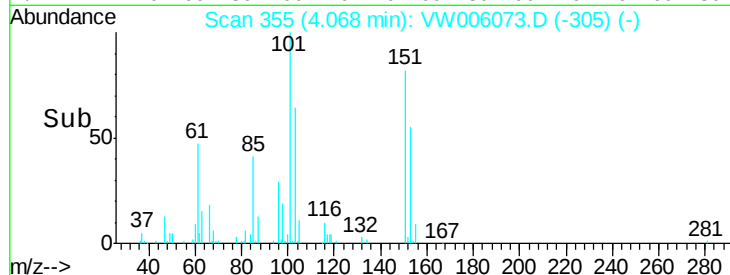
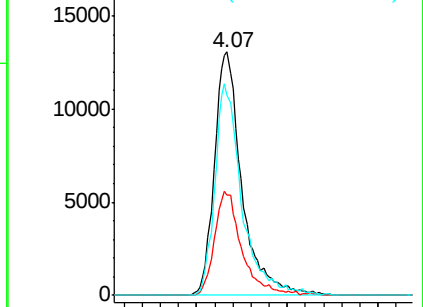
151 85.7 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.65 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

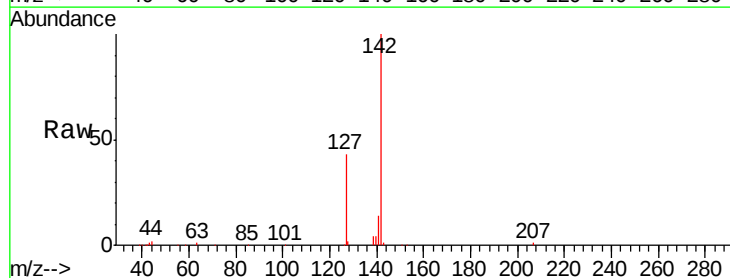
Tgt Ion:142 Resp: 89566

Ion Ratio Lower Upper

142 100

127 42.6 33.6 50.4

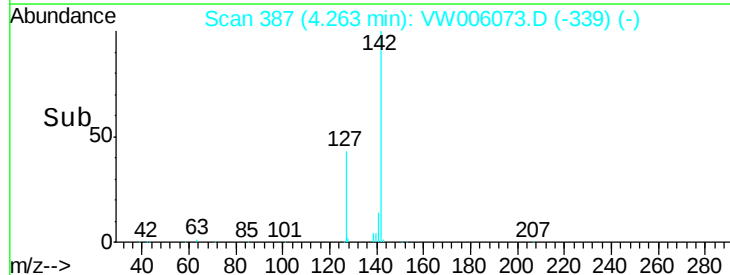
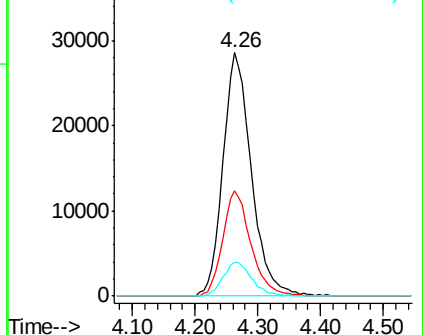
141 14.3 11.6 17.4

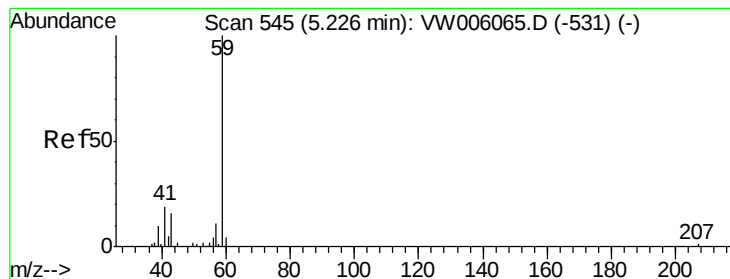


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



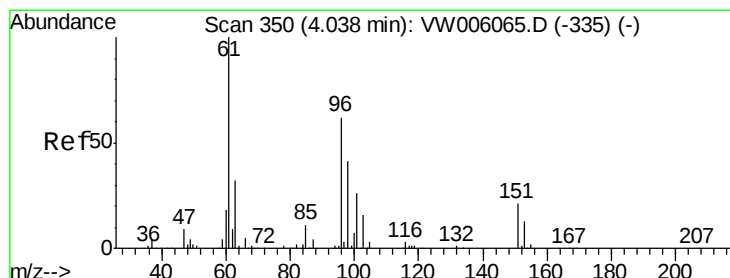
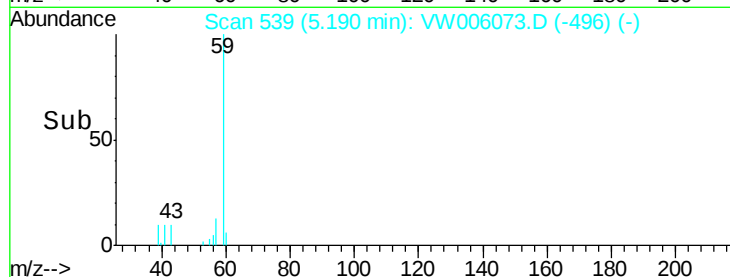
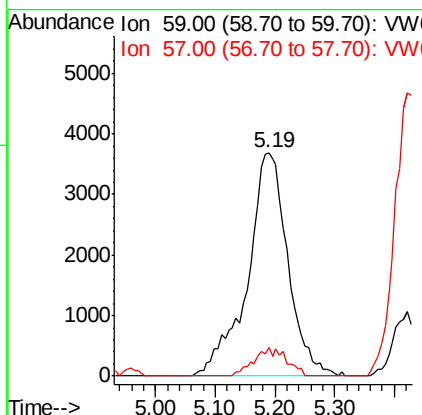
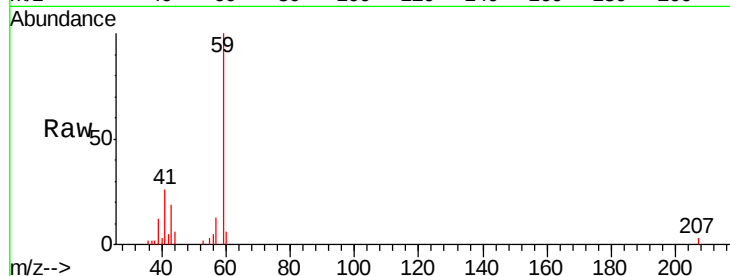


#11

Tert butyl alcohol
 Concen: 100.90 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. -0.04 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Instrument :
 MSVOA_W
 ClientSampled :
 VW1016SBS01

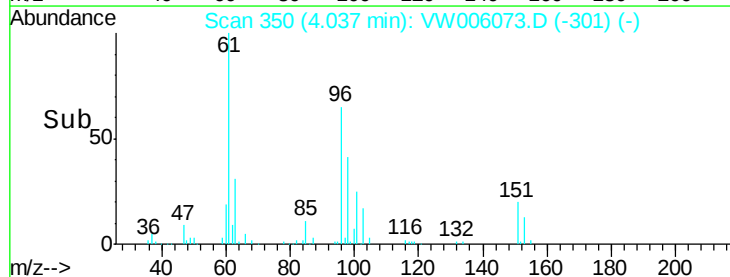
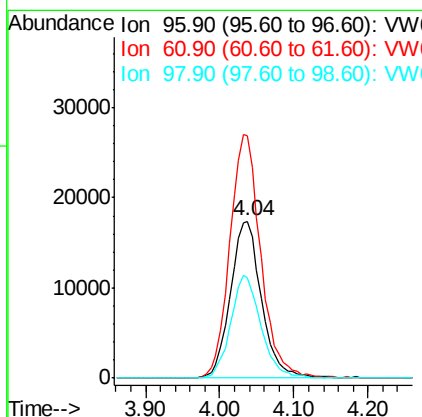
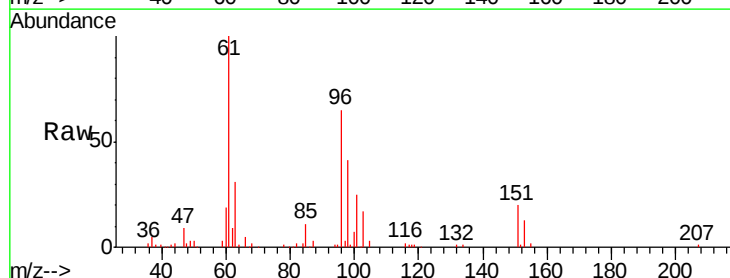
Tgt Ion: 59 Resp: 17350
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.7 13.1#

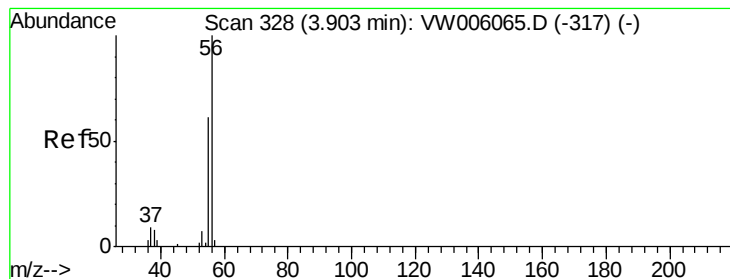


#12

1,1-Dichloroethene
 Concen: 19.76 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion: 96 Resp: 50912
 Ion Ratio Lower Upper
 96 100
 61 154.5 129.3 193.9
 98 63.8 53.1 79.7





#13

Acrolein

Concen: 105.16 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

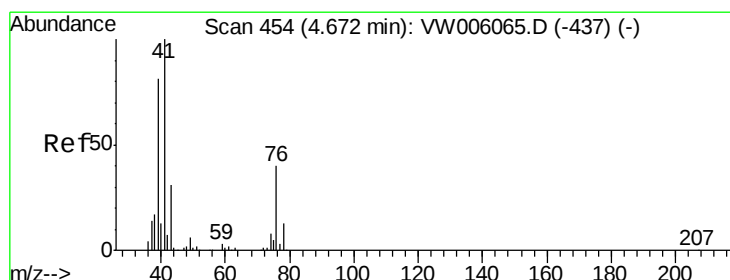
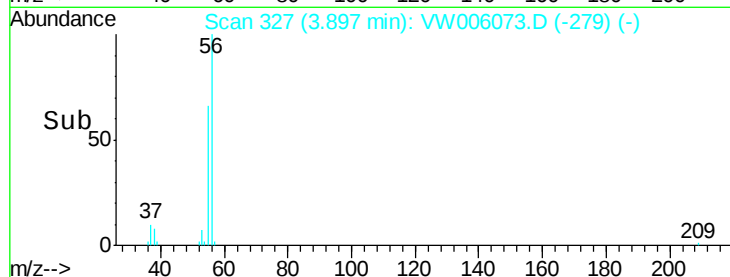
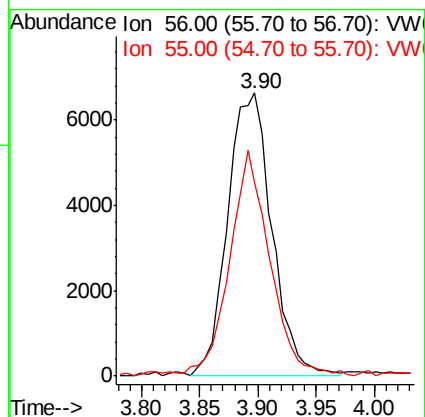
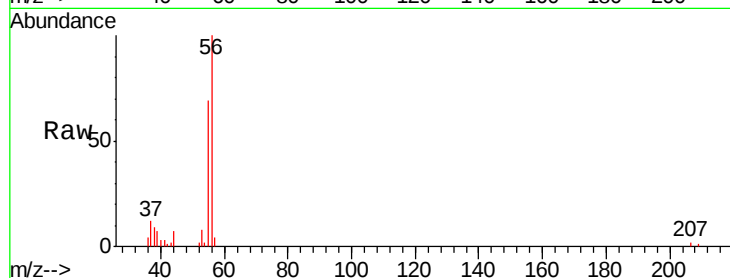
VW1016SBS01

Tgt Ion: 56 Resp: 17497

Ion Ratio Lower Upper

56 100

55 72.6 54.5 81.7



#14

Allyl chloride

Concen: 19.70 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

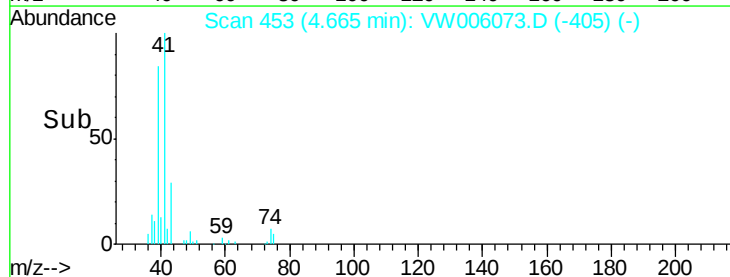
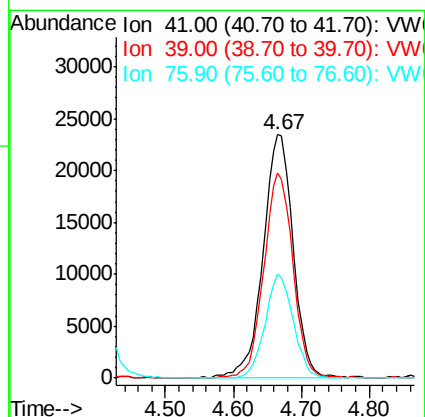
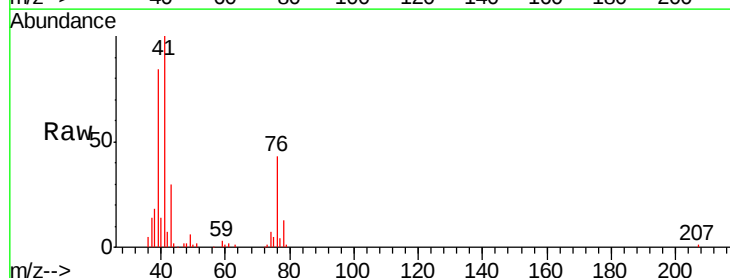
Tgt Ion: 41 Resp: 72590

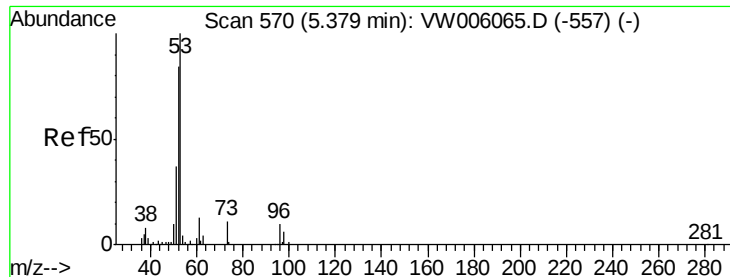
Ion Ratio Lower Upper

41 100

39 81.7 64.1 96.1

76 39.8 32.2 48.4





#15

Acrylonitrile

Concen: 94.05 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

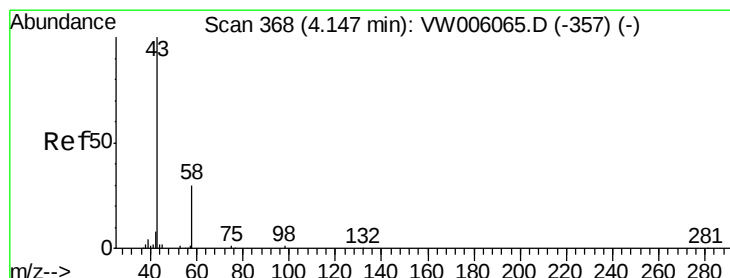
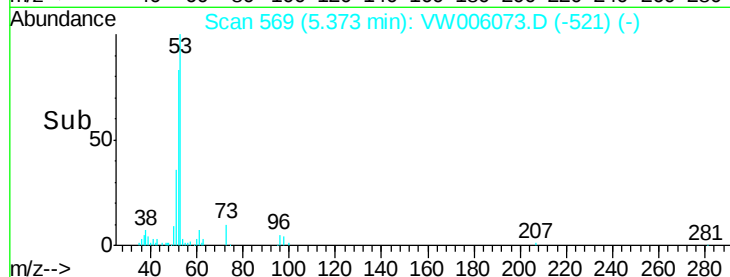
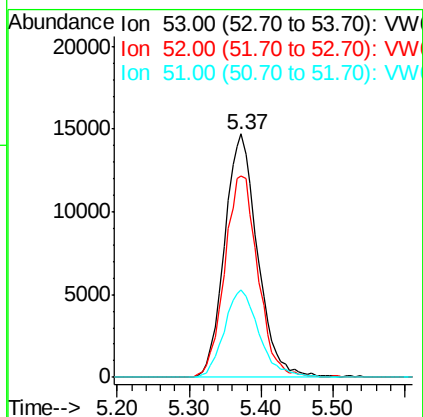
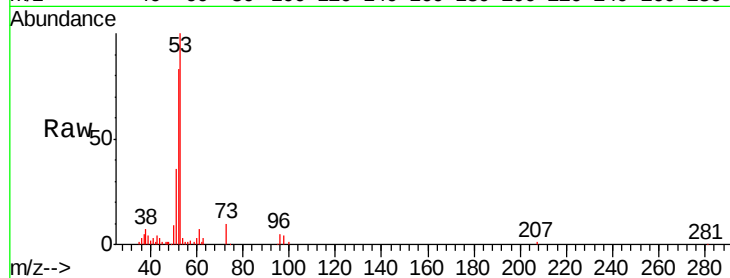
Tgt Ion: 53 Resp: 46851

Ion Ratio Lower Upper

53 100

52 83.1 66.9 100.3

51 37.9 30.1 45.1



#16

Acetone

Concen: 111.97 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006073.D

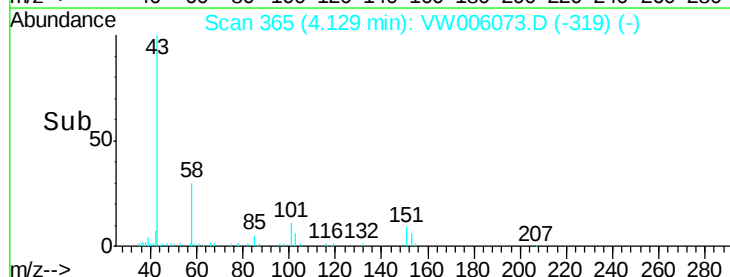
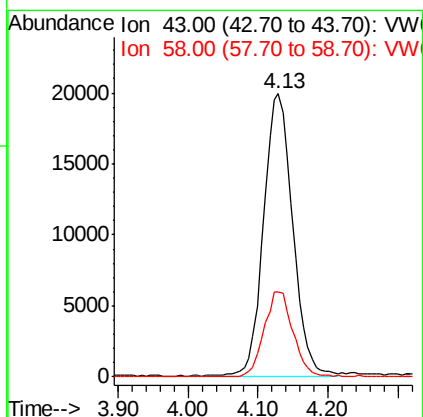
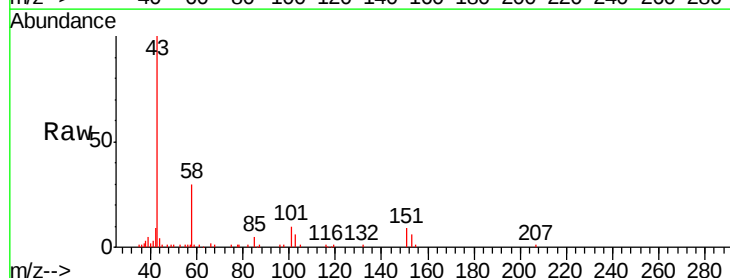
Acq: 16 Oct 2018 12:52

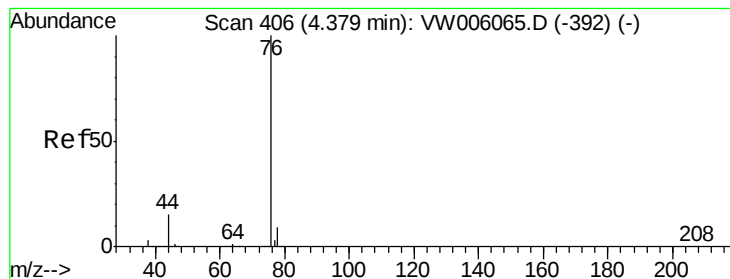
Tgt Ion: 43 Resp: 57626

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0





#17

Carbon Disulfide

Concen: 19.64 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

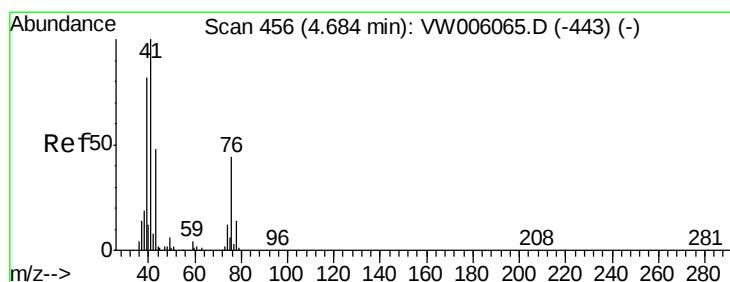
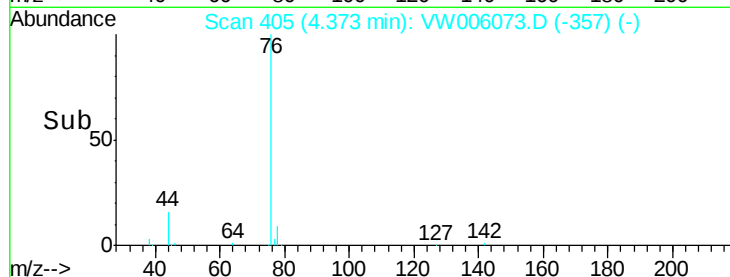
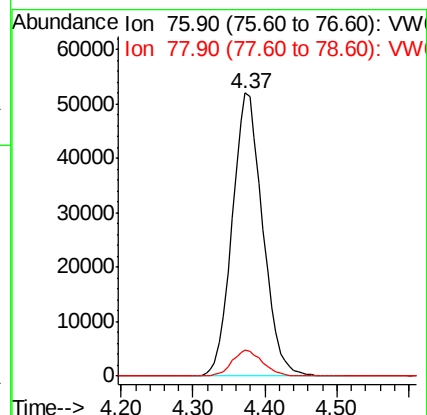
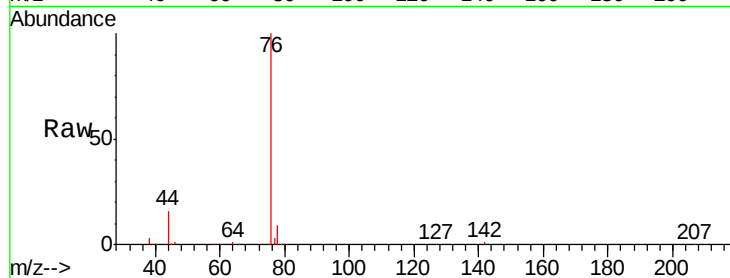
VW1016SBS01

Tgt Ion: 76 Resp: 152739

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



#18

Methyl Acetate

Concen: 17.98 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006073.D

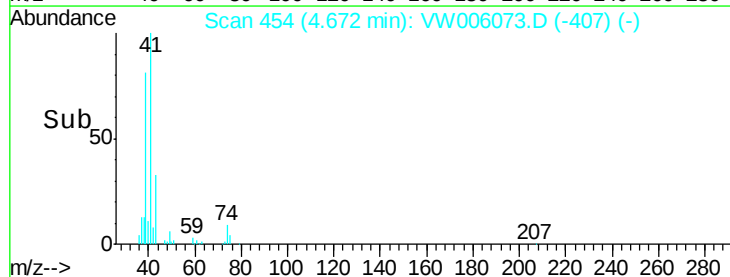
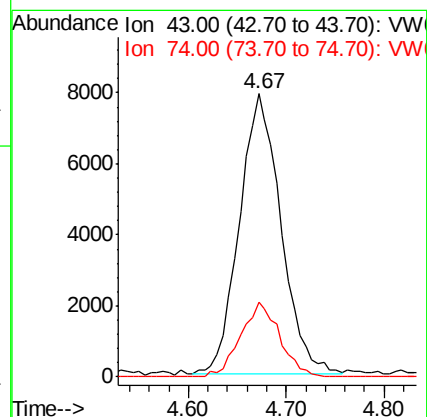
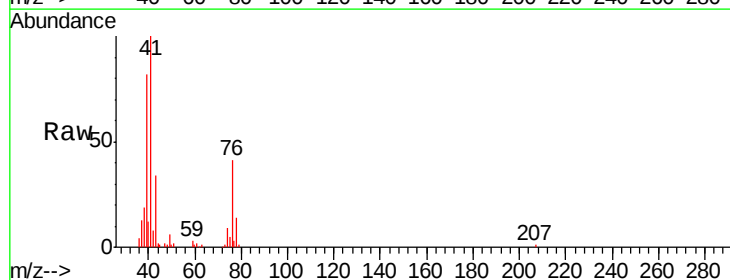
Acq: 16 Oct 2018 12:52

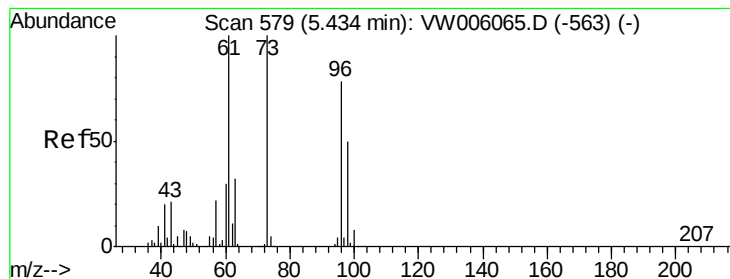
Tgt Ion: 43 Resp: 23135

Ion Ratio Lower Upper

43 100

74 25.3 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 19.58 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

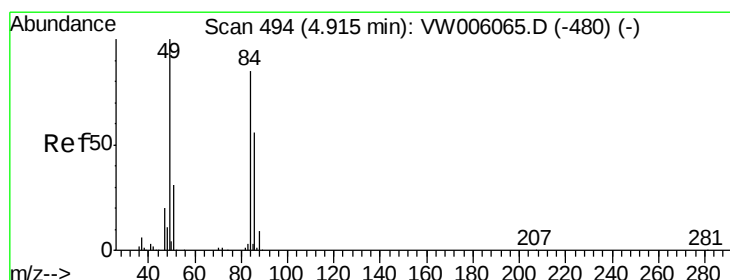
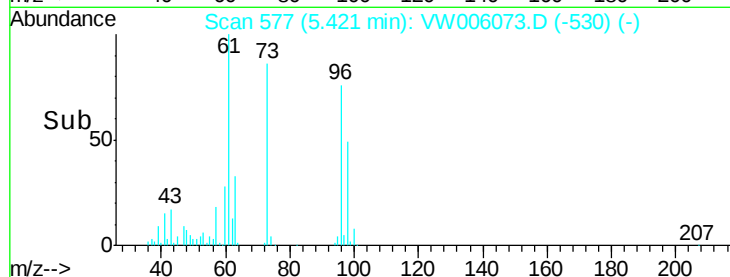
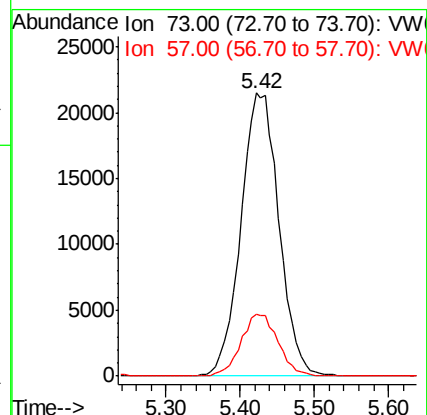
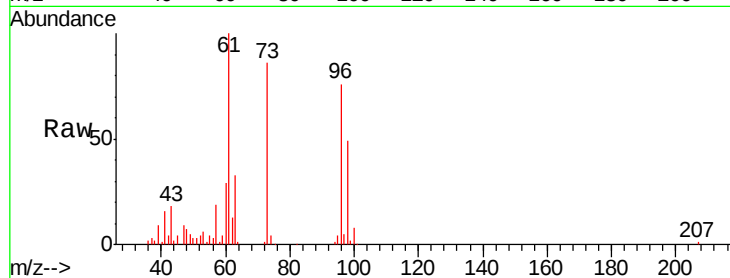
VW1016SBS01

Tgt Ion: 73 Resp: 76850

Ion Ratio Lower Upper

73 100

57 21.7 17.4 26.2



#20

Methylene Chloride

Concen: 19.39 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Tgt Ion: 84 Resp: 55153

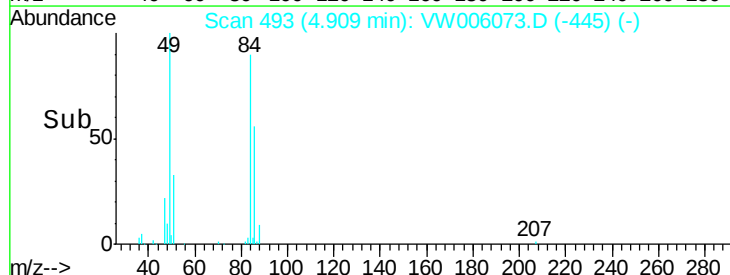
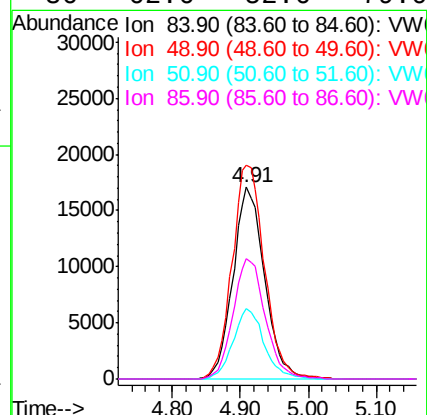
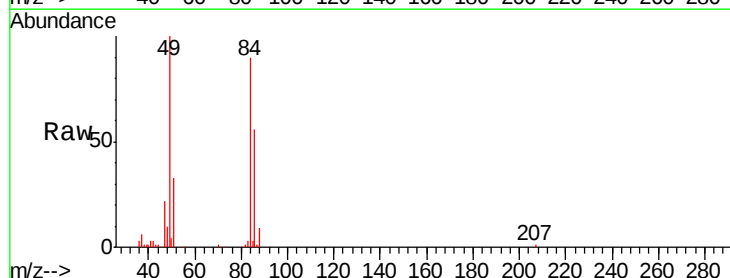
Ion Ratio Lower Upper

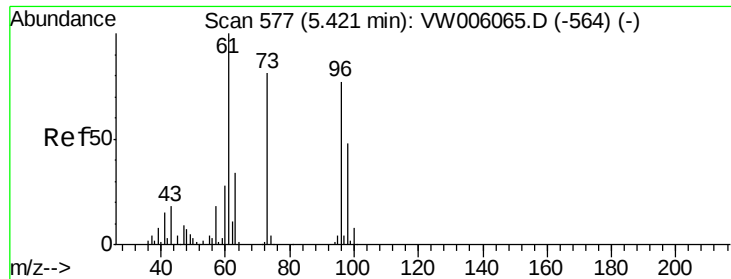
84 100

49 111.5 93.6 140.4

51 36.6 29.0 43.4

86 62.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

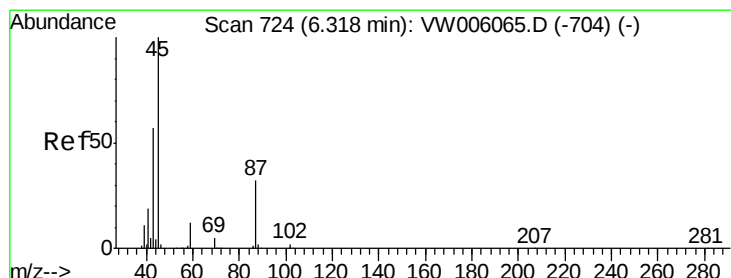
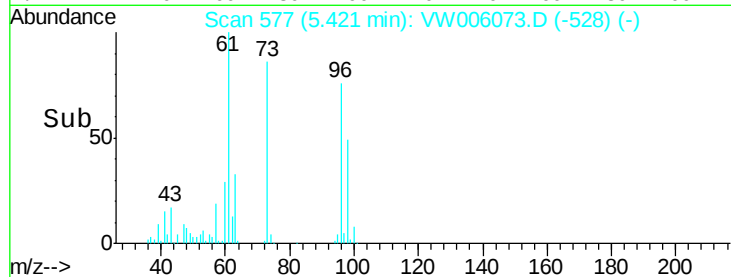
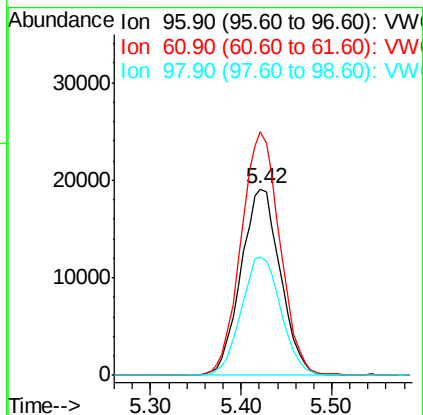
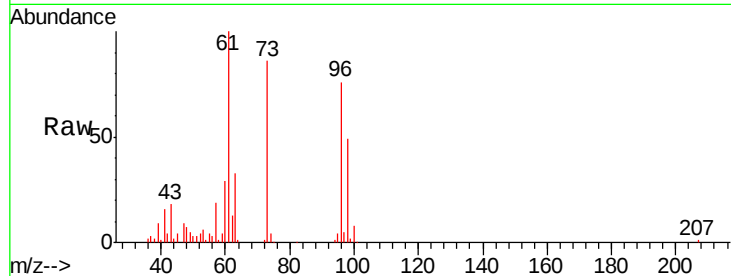
Tgt Ion: 96 Resp: 57451

Ion Ratio Lower Upper

96 100

61 130.7 104.5 156.7

98 63.5 50.6 75.8



#22

Diisopropyl ether

Concen: 20.28 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Tgt Ion: 45 Resp: 147618

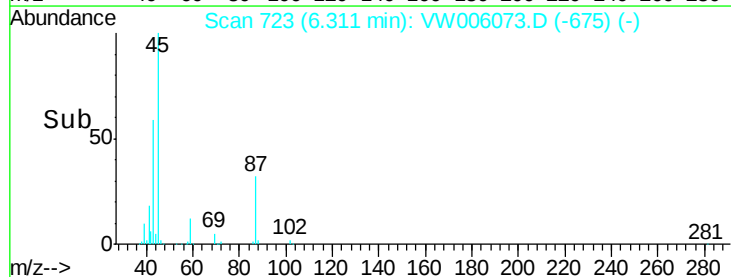
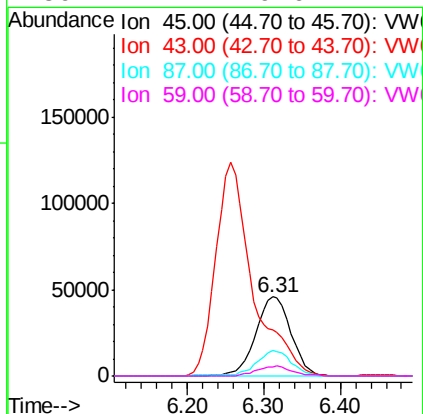
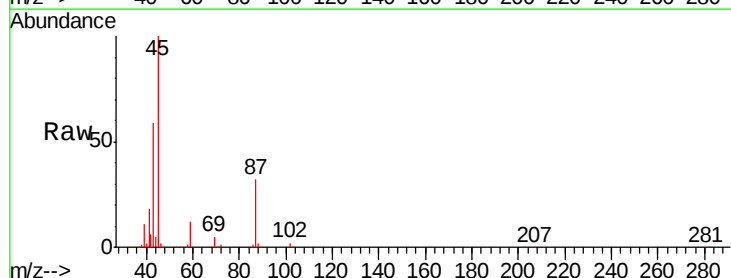
Ion Ratio Lower Upper

45 100

43 58.2 45.7 68.5

87 32.1 25.9 38.9

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 96.74 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

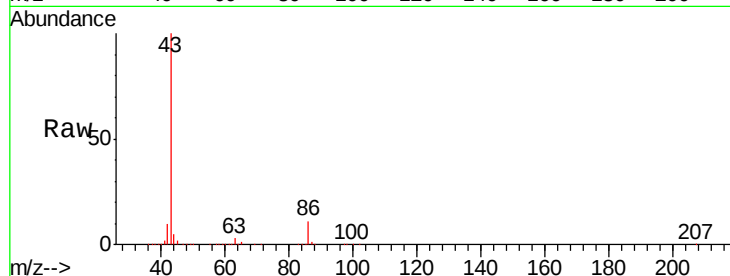
VW1016SBS01

Tgt Ion: 43 Resp: 415654

Ion Ratio Lower Upper

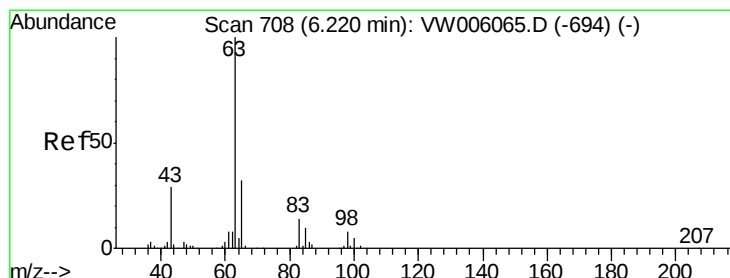
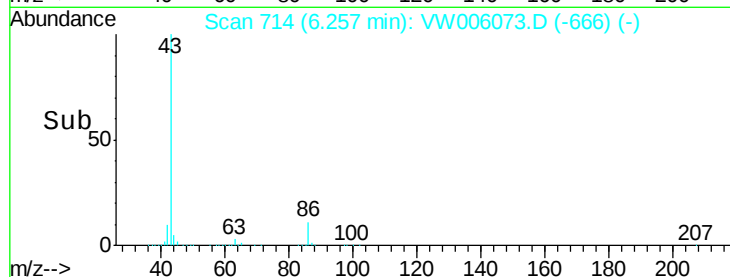
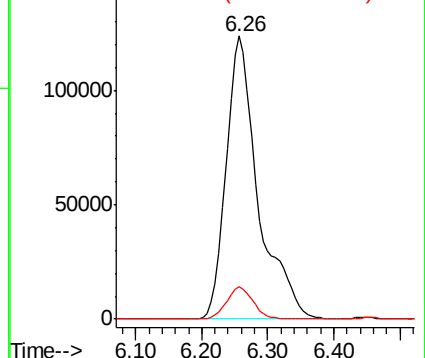
43 100

86 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.23 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

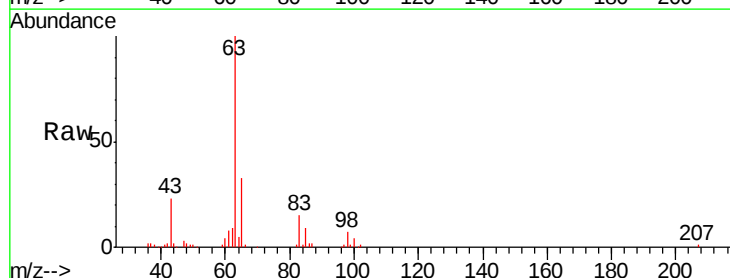
Tgt Ion: 63 Resp: 95032

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

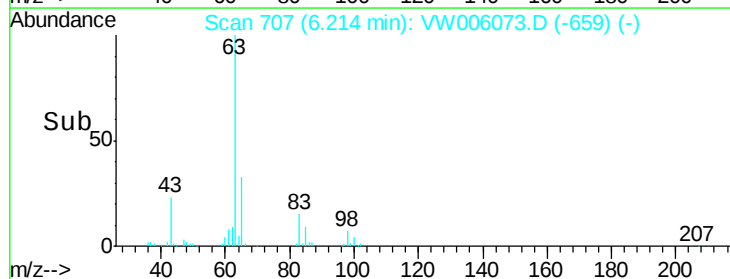
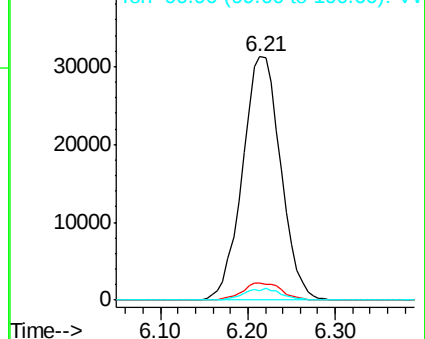
100 4.0 2.5 7.5

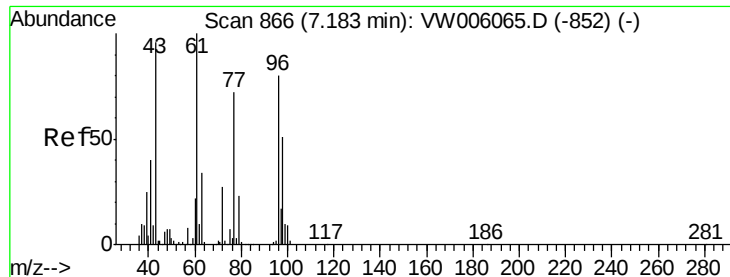


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.46 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

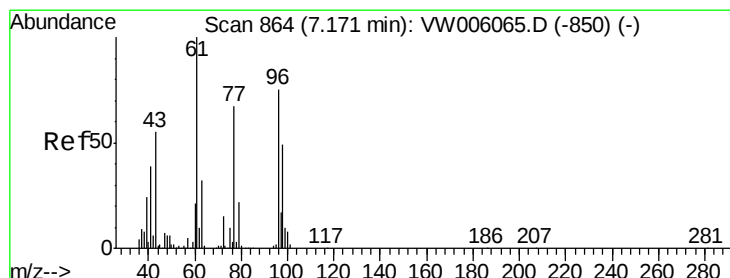
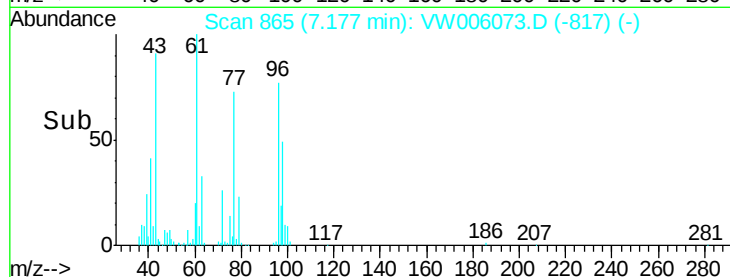
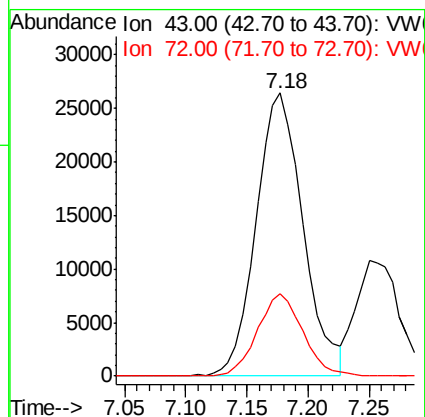
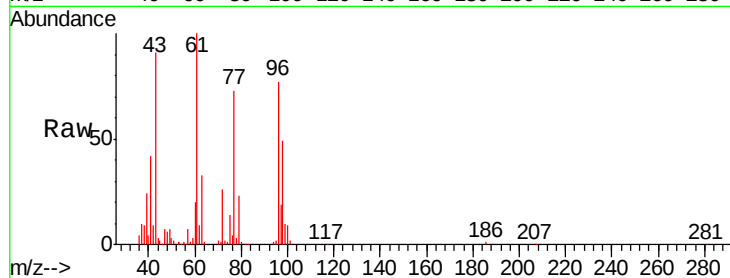
VW1016SBS01

Tgt Ion: 43 Resp: 70765

Ion Ratio Lower Upper

43 100

72 29.0 22.8 34.2



#26

2,2-Dichloropropane

Concen: 21.03 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006073.D

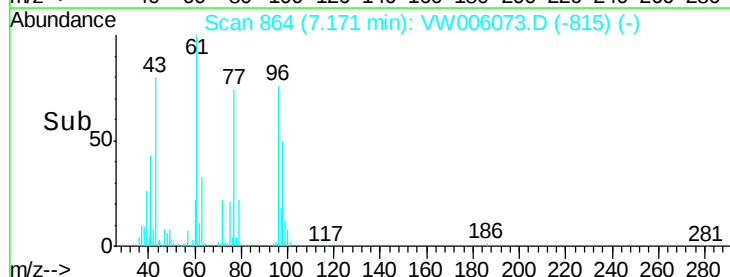
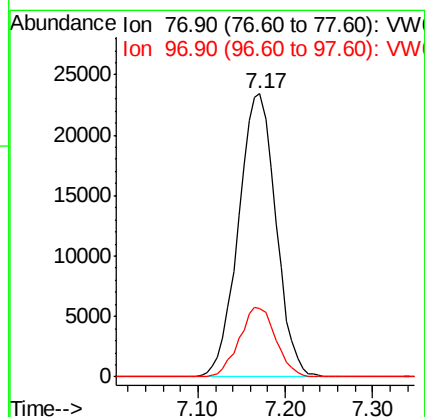
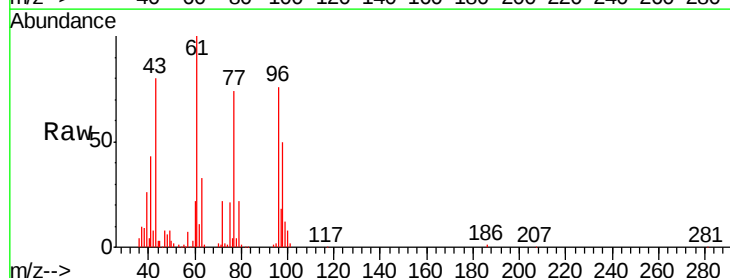
Acq: 16 Oct 2018 12:52

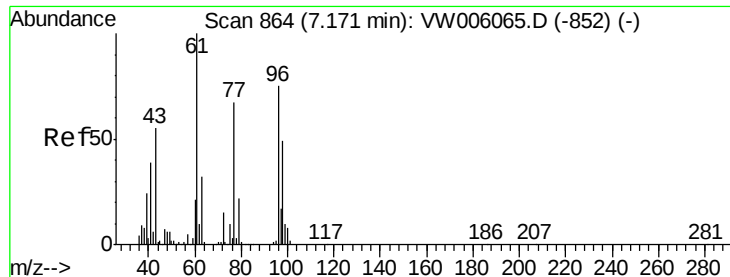
Tgt Ion: 77 Resp: 69694

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 20.07 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

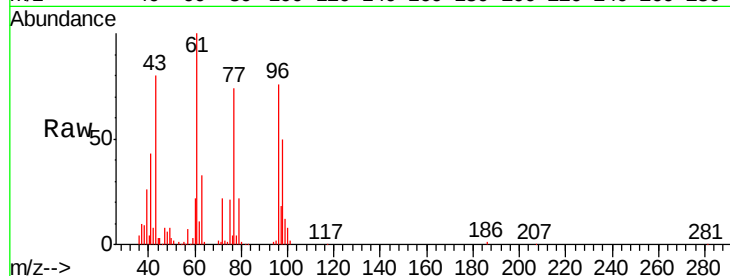
Tgt Ion: 96 Resp: 63704

Ion Ratio Lower Upper

96 100

61 134.0 0.0 267.2

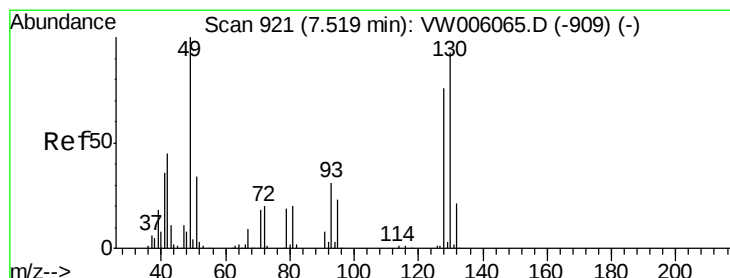
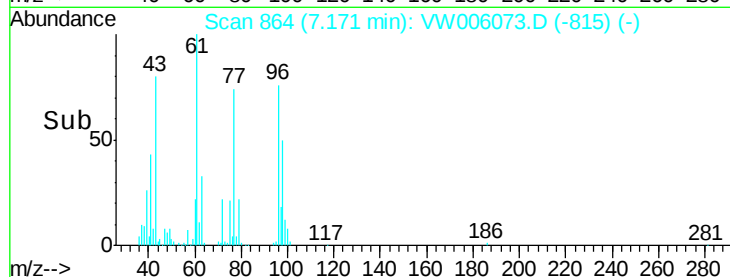
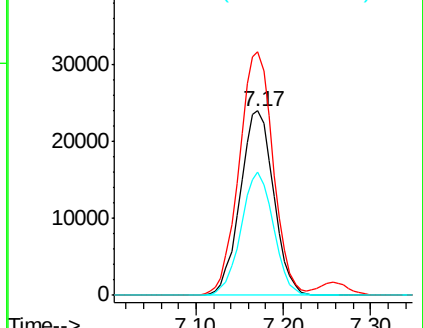
98 64.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 17.15 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

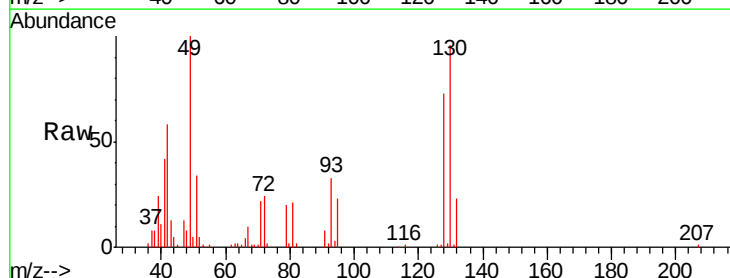
Tgt Ion: 49 Resp: 31100

Ion Ratio Lower Upper

49 100

129 2.2 0.0 5.0

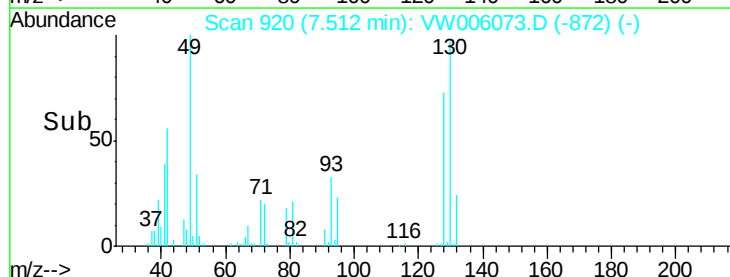
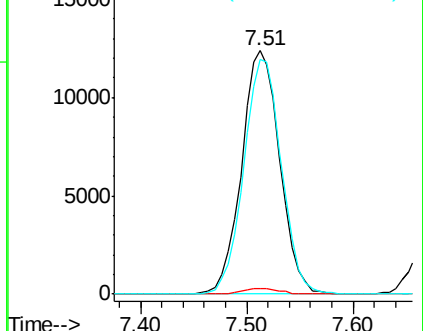
130 95.2 73.8 110.8

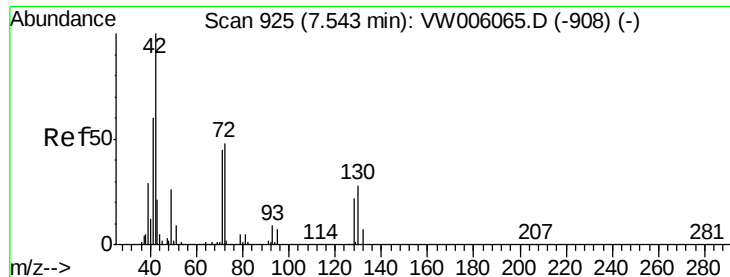


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.50 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

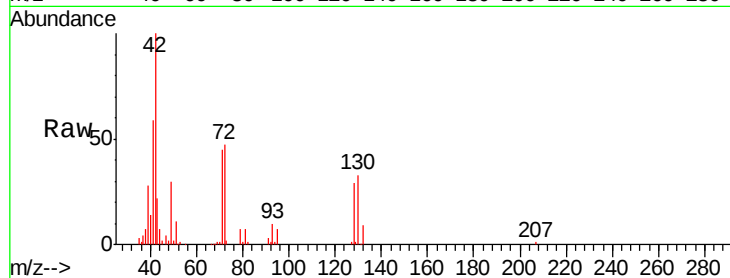
Tgt Ion: 42 Resp: 39269

Ion Ratio Lower Upper

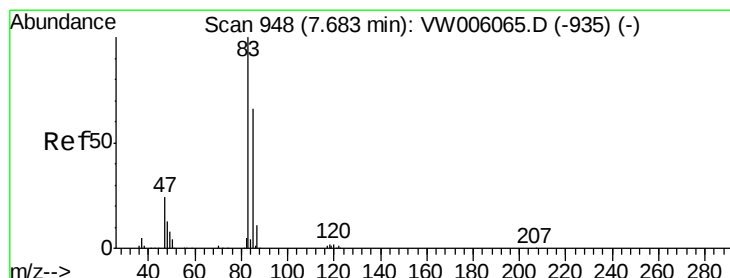
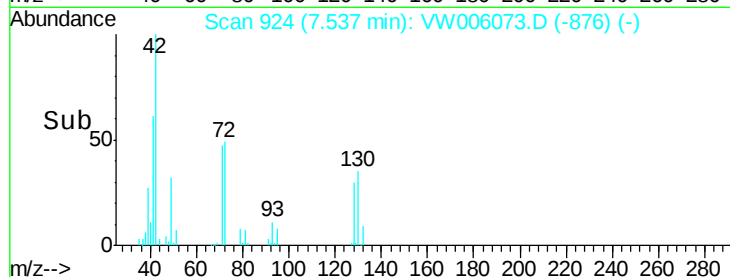
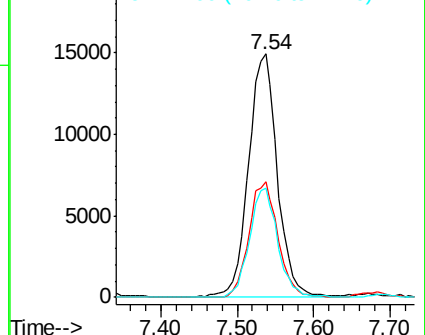
42 100

72 47.8 38.0 57.0

71 43.8 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 19.77 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006073.D

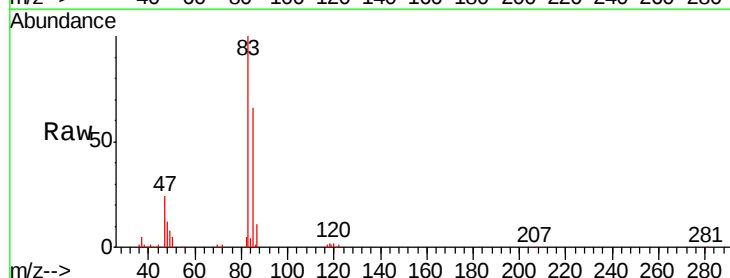
Acq: 16 Oct 2018 12:52

Tgt Ion: 83 Resp: 101167

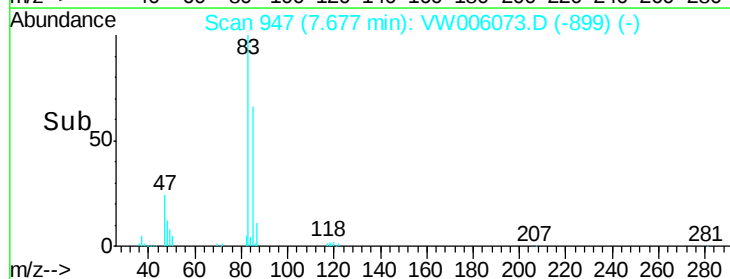
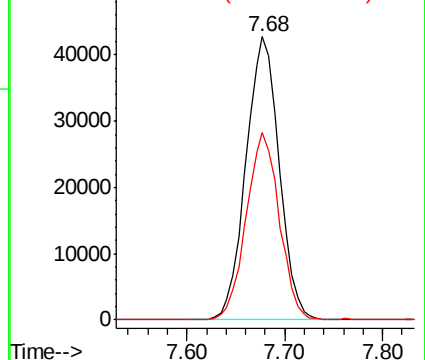
Ion Ratio Lower Upper

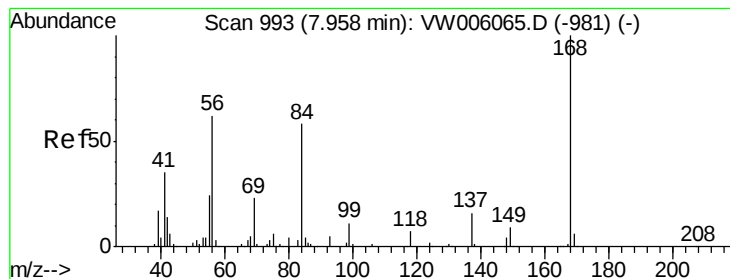
83 100

85 66.1 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.73 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

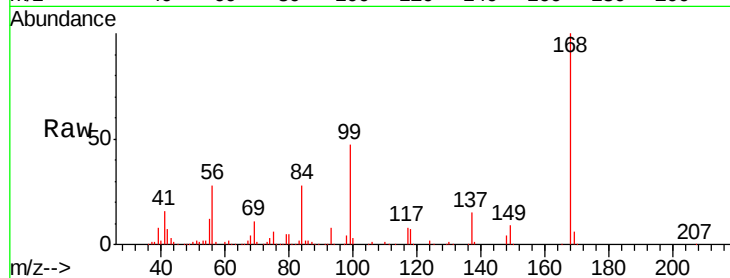
Tgt Ion: 56 Resp: 92290

Ion Ratio Lower Upper

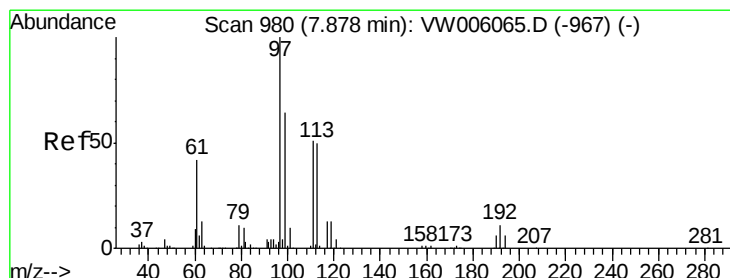
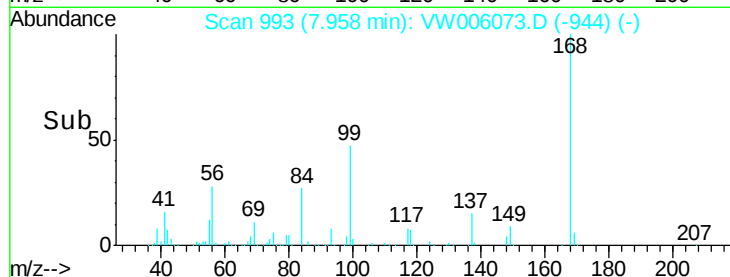
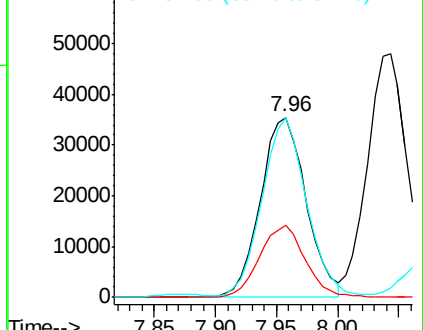
56 100

69 39.8 29.4 44.0

84 97.9 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 19.97 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

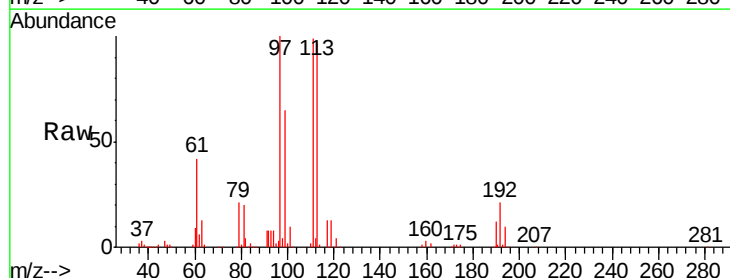
Tgt Ion: 97 Resp: 92184

Ion Ratio Lower Upper

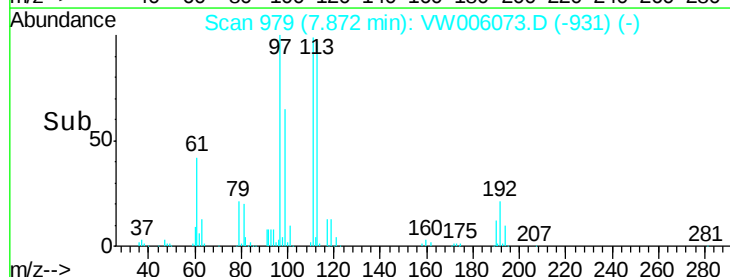
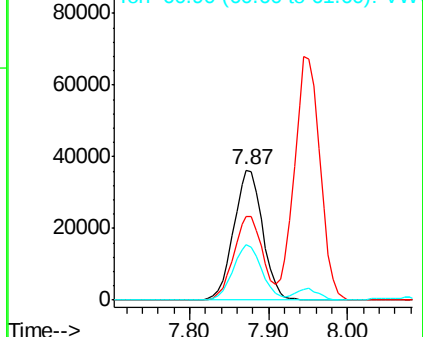
97 100

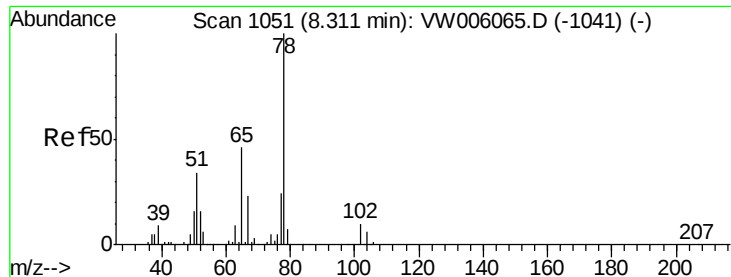
99 64.6 50.9 76.3

61 42.7 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 46.73 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

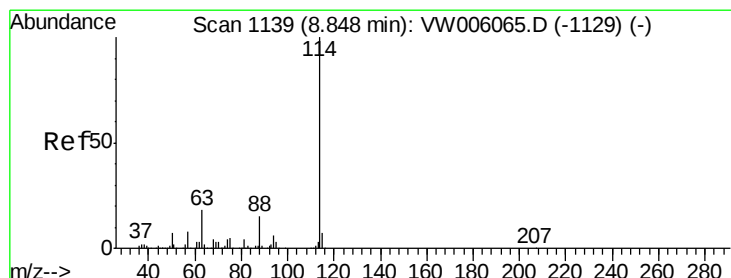
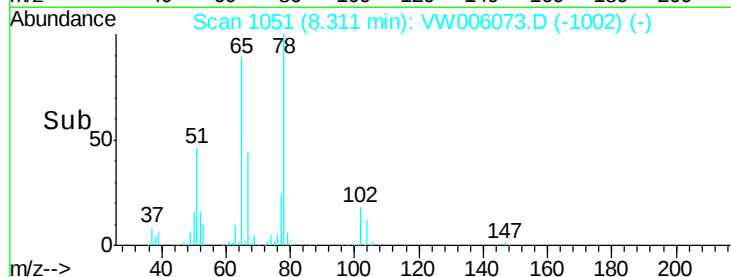
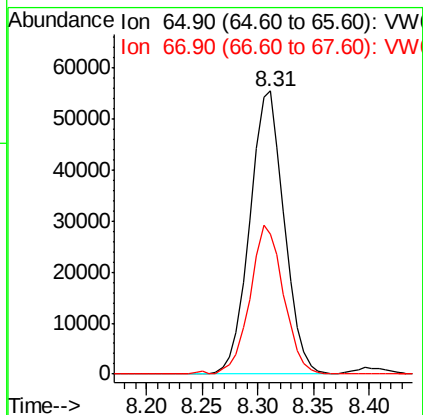
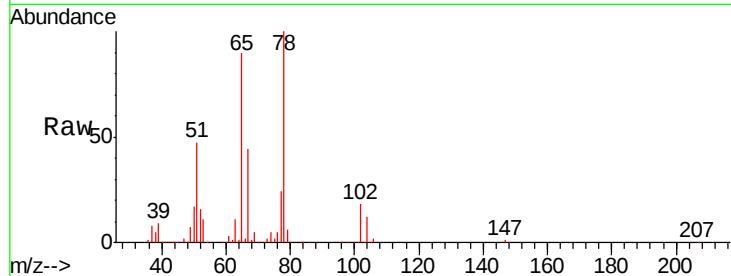
VW1016SBS01

Tgt Ion: 65 Resp: 119462

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

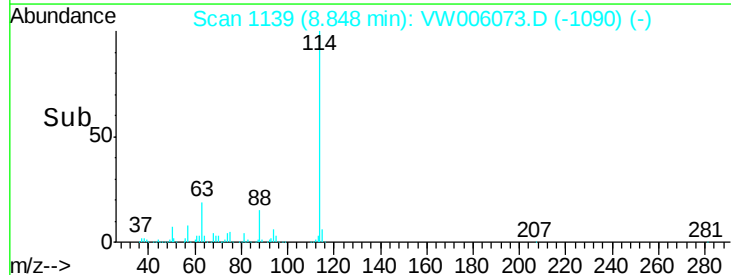
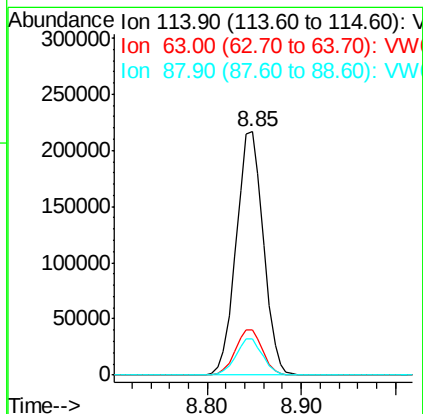
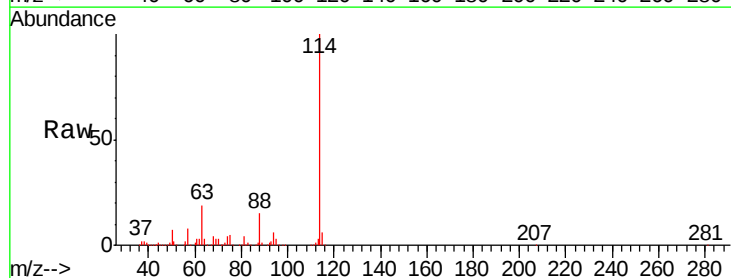
Tgt Ion: 114 Resp: 432271

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.79 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

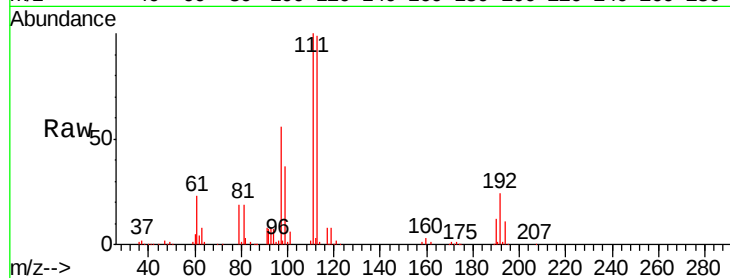
Tgt Ion: 113 Resp: 124622

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

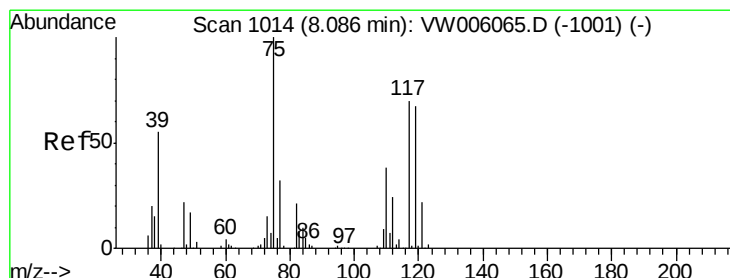
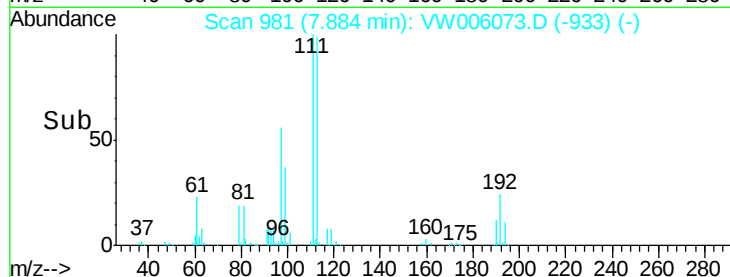
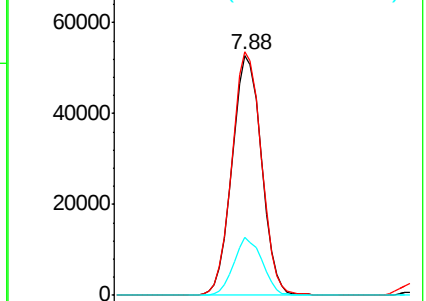
192 23.4 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.66 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

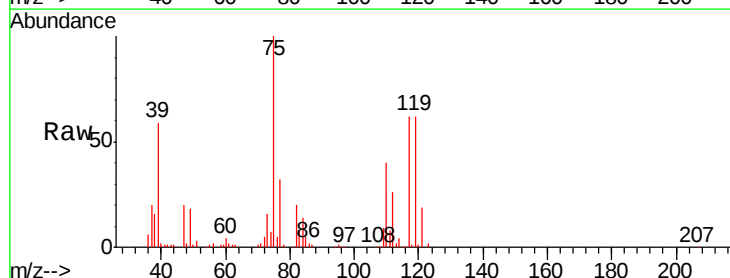
Tgt Ion: 75 Resp: 82299

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.1

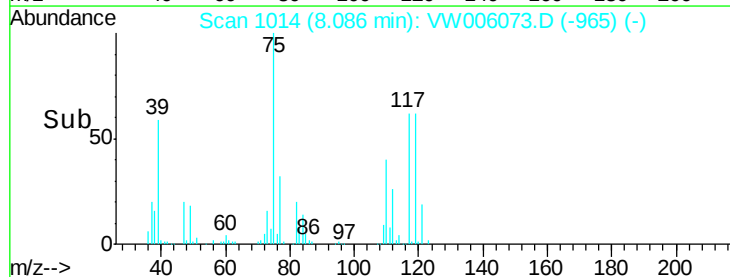
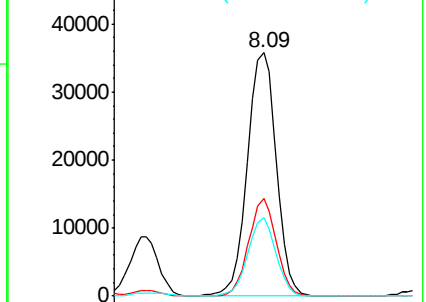
77 31.2 25.0 37.4

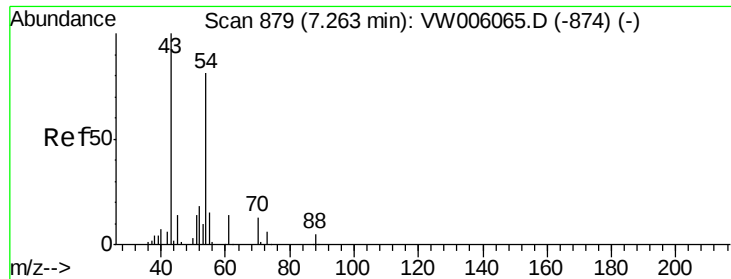


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

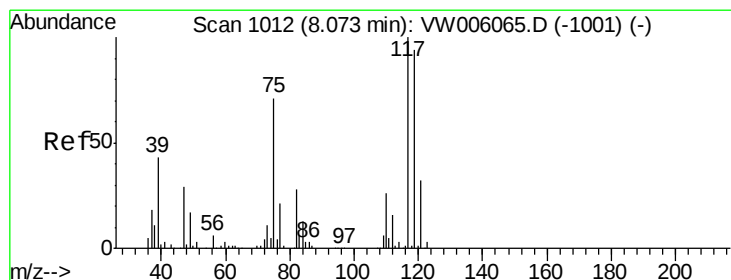
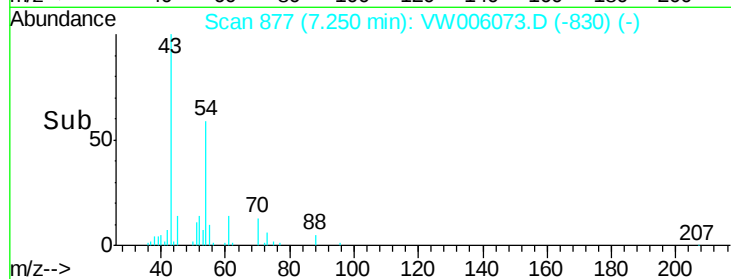
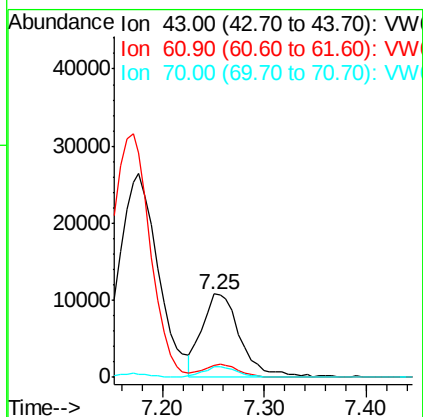
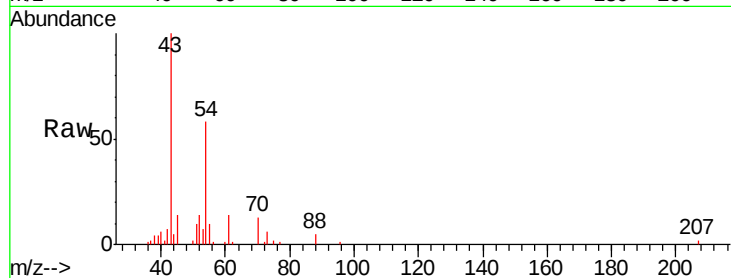




#37
 Ethyl Acetate
 Concen: 18.89 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

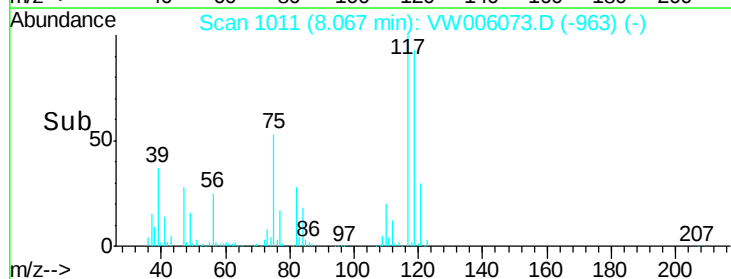
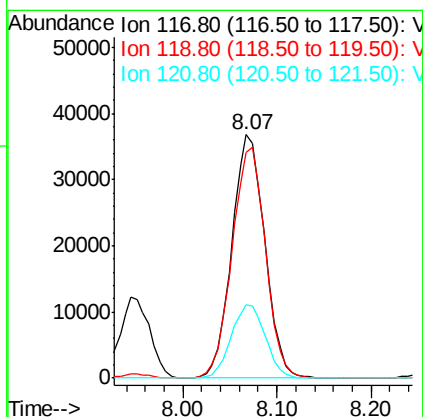
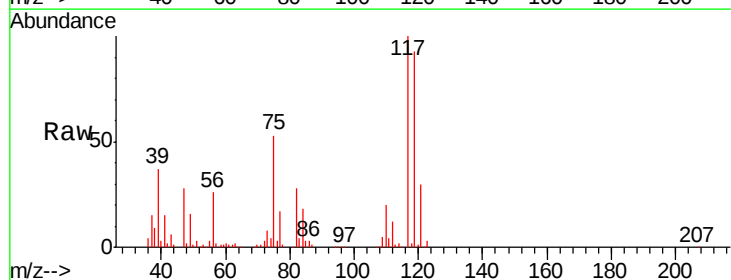
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

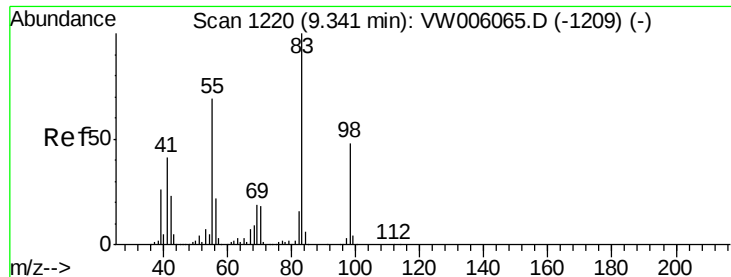
Tgt Ion: 43 Resp: 27963
 Ion Ratio Lower Upper
 43 100
 61 14.5 11.5 17.3
 70 11.7 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 20.59 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion: 117 Resp: 89917
 Ion Ratio Lower Upper
 117 100
 119 92.5 75.2 112.8
 121 30.2 25.3 37.9

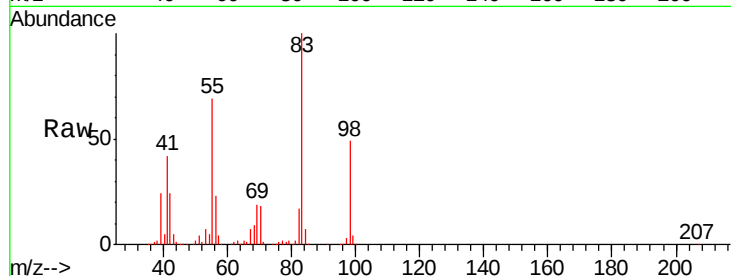




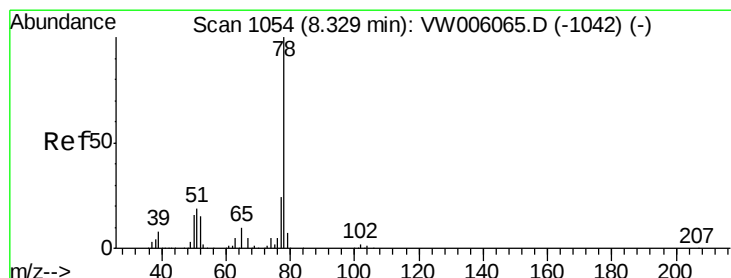
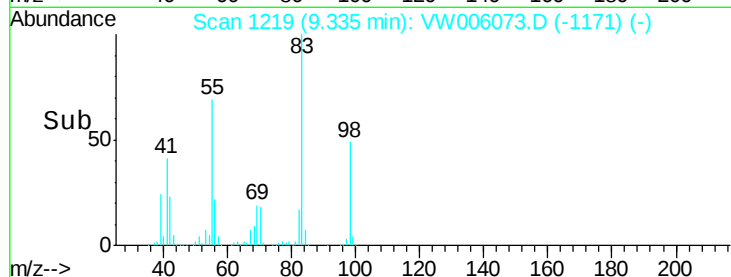
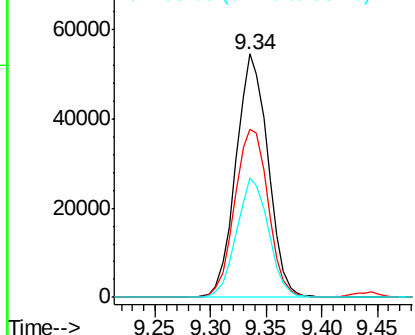
#39
Methylcyclohexane
Concen: 20.58 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Tgt Ion: 83 Resp: 109021
Ion Ratio Lower Upper
83 100
55 69.1 55.0 82.6
98 49.3 38.6 57.8

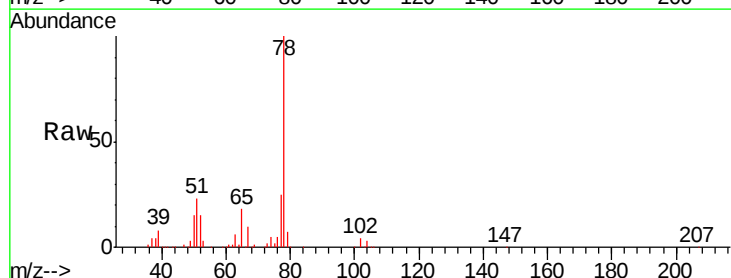


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

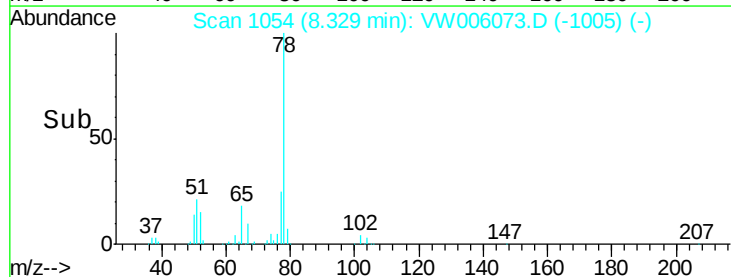
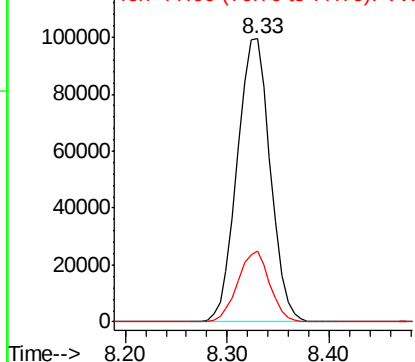


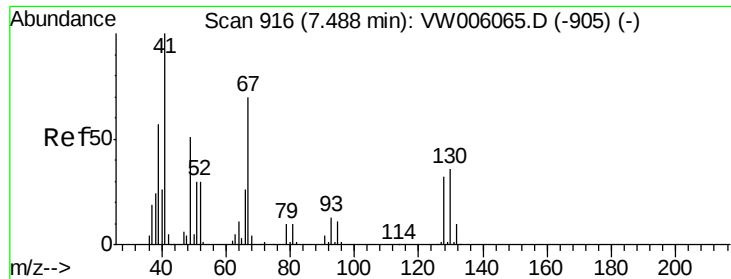
#40
Benzene
Concen: 20.51 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion: 78 Resp: 224181
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

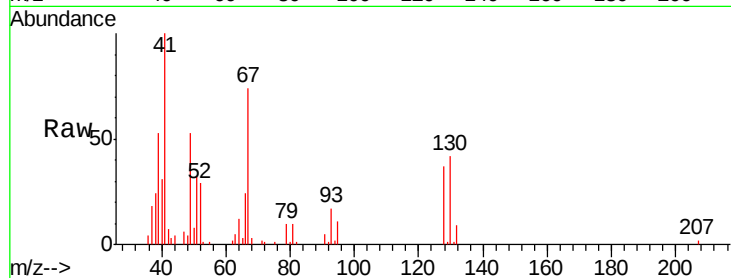




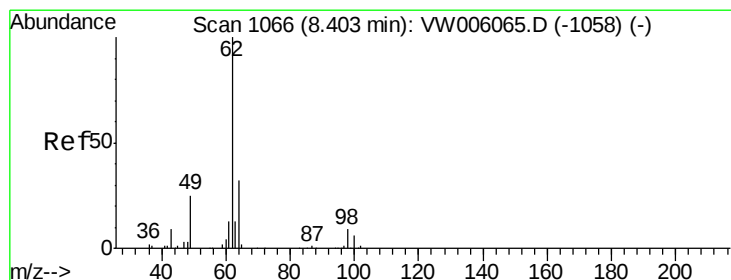
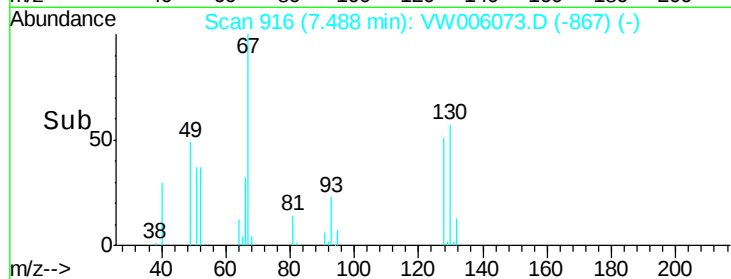
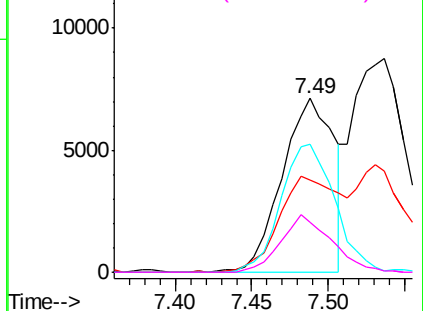
#41
Methacrylonitrile
Concen: 18.79 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Tgt Ion:	41	Resp:	16771
Ion	Ratio	Lower	Upper
41	100		
39	65.9	46.2	69.4
67	77.1	57.7	86.5
52	32.4	24.7	37.1

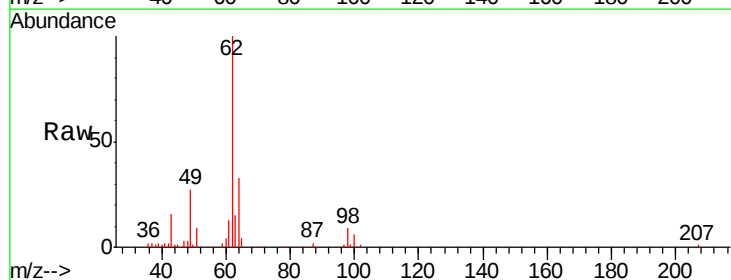


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

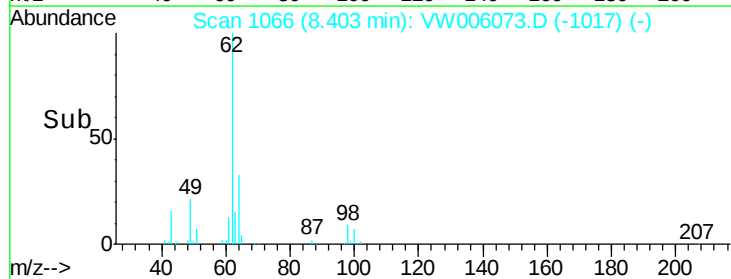
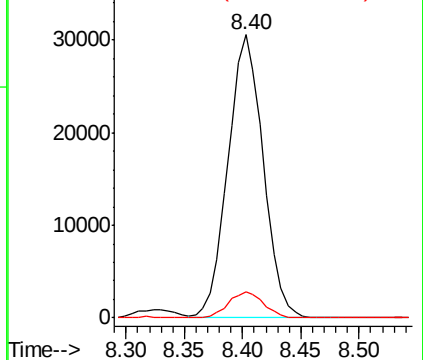


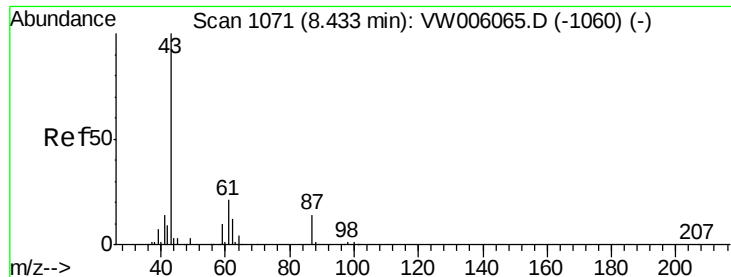
#42
1,2-Dichloroethane
Concen: 20.04 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion:	62	Resp:	64348
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW

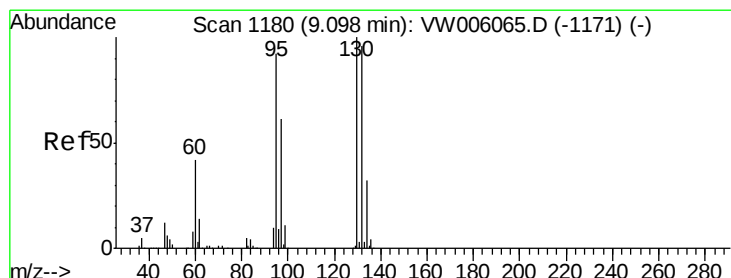
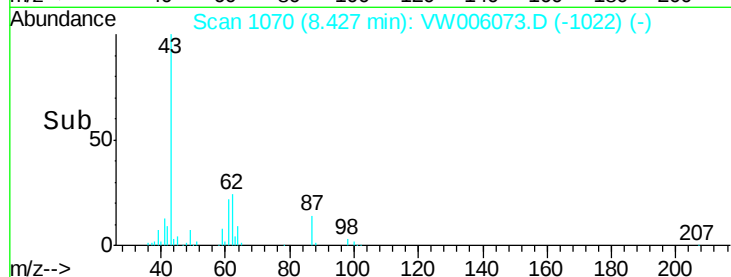
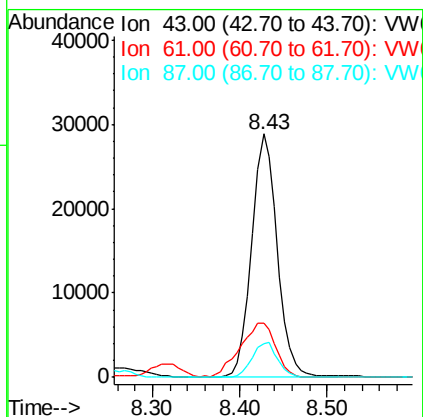
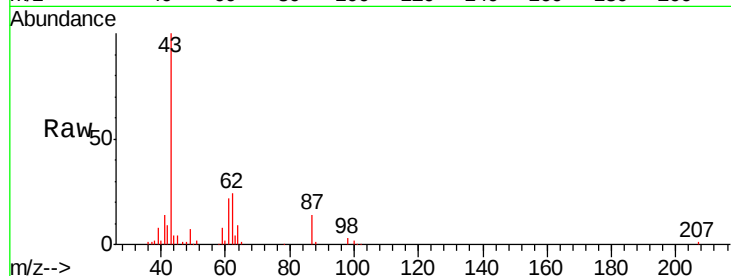




#43
Isopropyl Acetate
Concen: 19.41 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.01 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

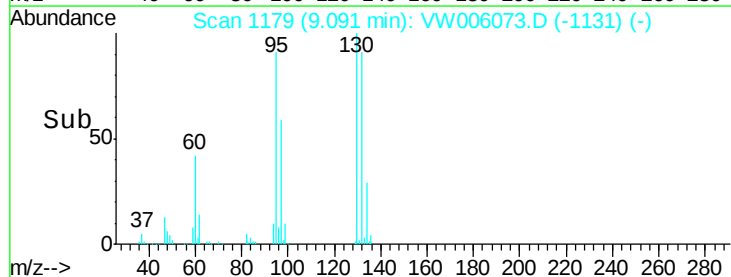
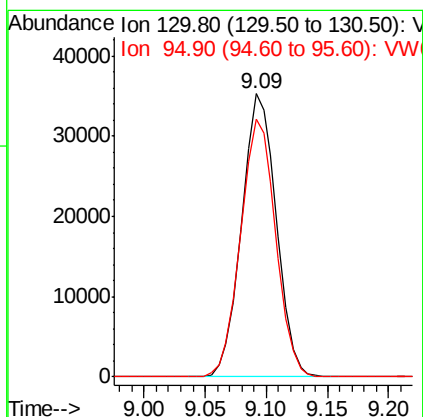
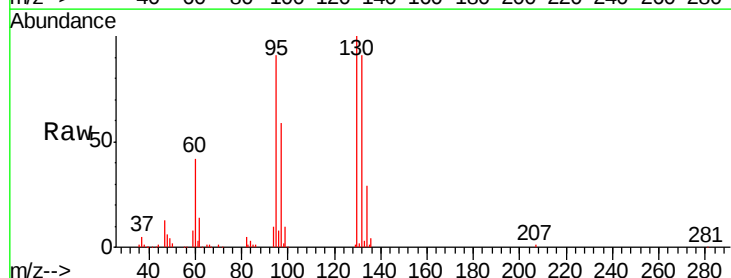
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.5	38.3
87	14.2	11.7	17.5



#44
Trichloroethene
Concen: 20.68 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	183.2





#45

1,2-Dichloropropane

Concen: 20.15 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

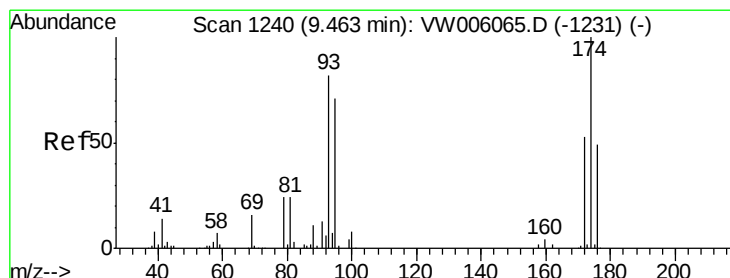
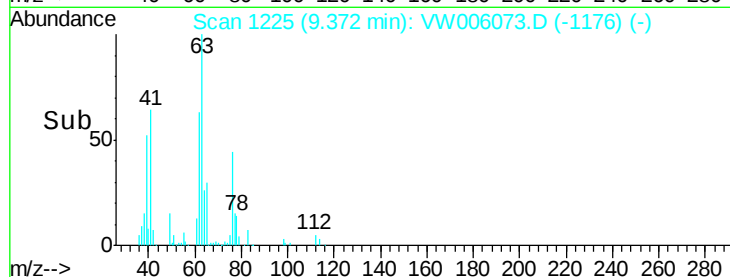
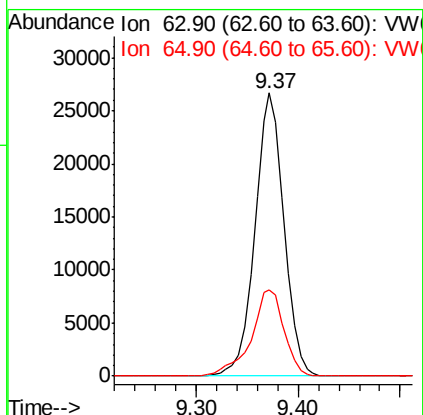
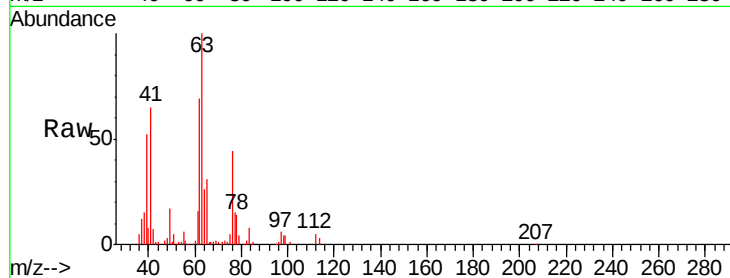
VW1016SBS01

Tgt Ion: 63 Resp: 52690

Ion Ratio Lower Upper

63 100

65 30.5 25.4 38.0



#46

Dibromomethane

Concen: 19.82 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

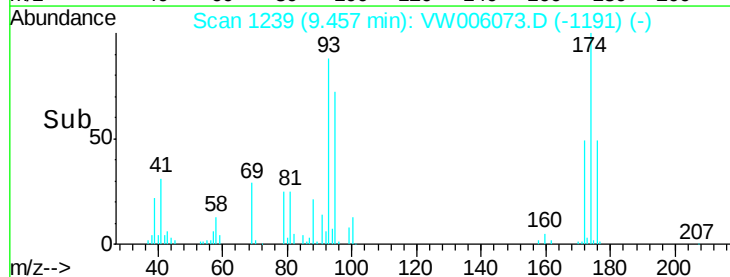
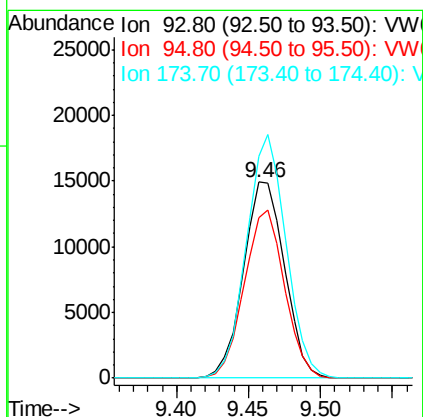
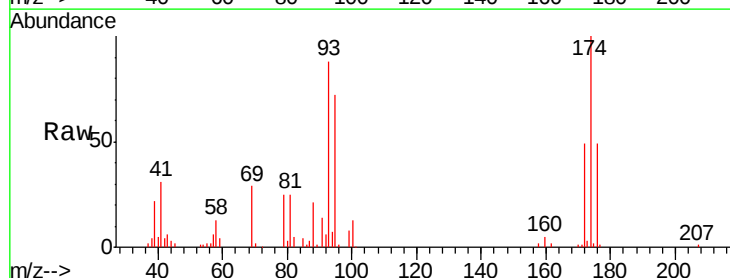
Tgt Ion: 93 Resp: 29550

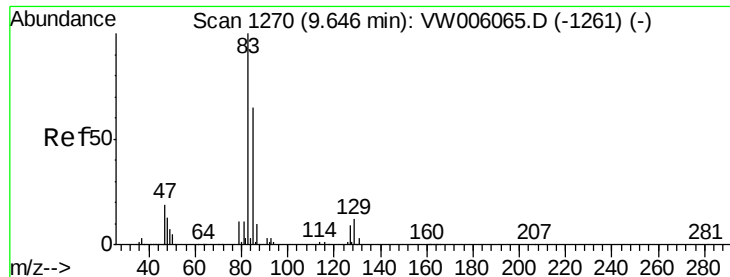
Ion Ratio Lower Upper

93 100

95 83.9 67.7 101.5

174 119.2 93.7 140.5





#47

Bromodichloromethane

Concen: 20.15 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

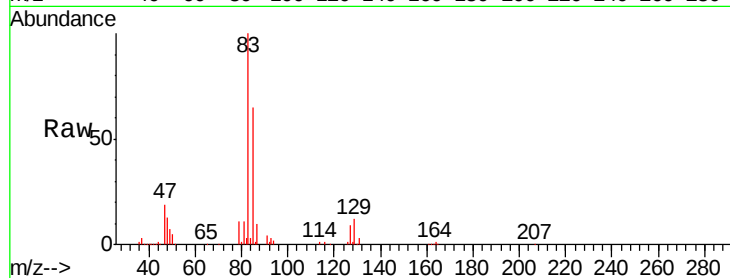
Tgt Ion: 83 Resp: 72827

Ion Ratio Lower Upper

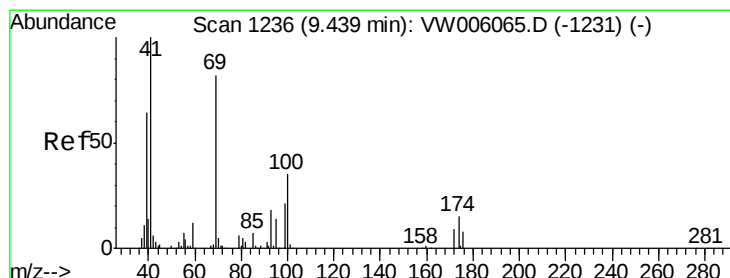
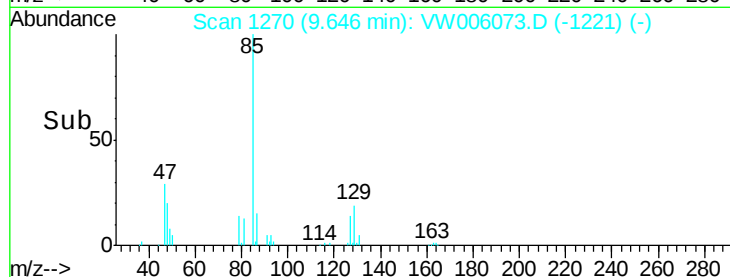
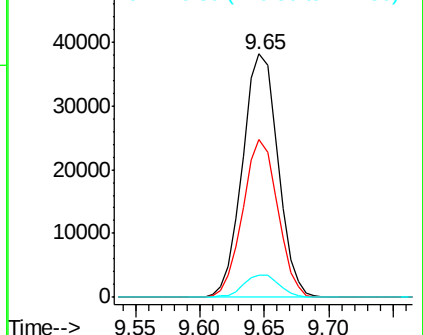
83 100

85 64.9 51.8 77.8

127 9.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.11 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

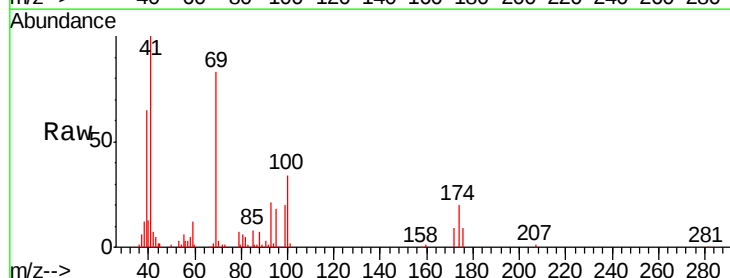
Tgt Ion: 41 Resp: 27414

Ion Ratio Lower Upper

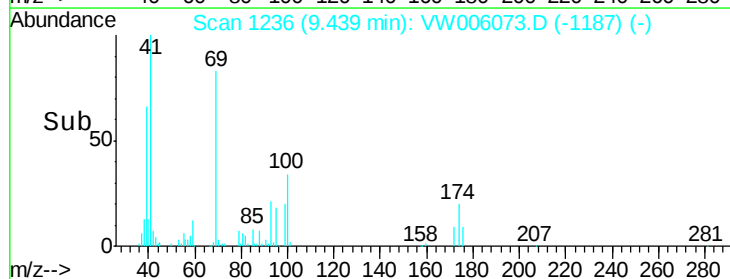
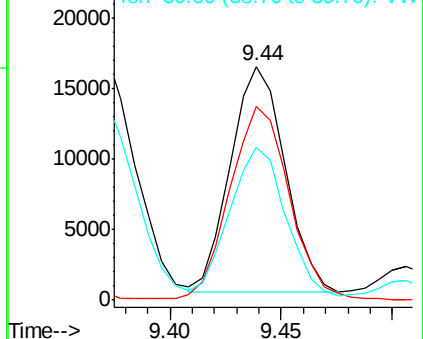
41 100

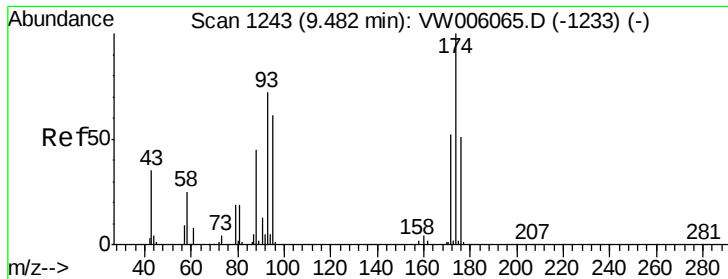
69 93.6 71.8 107.8

39 66.4 52.5 78.7



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

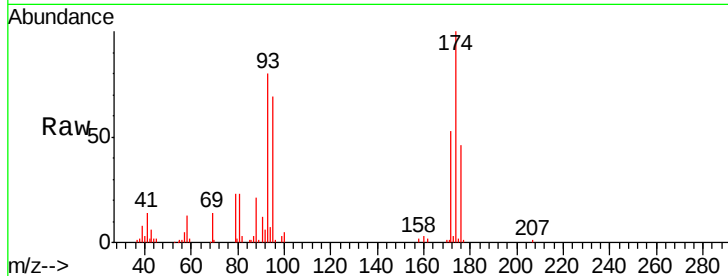




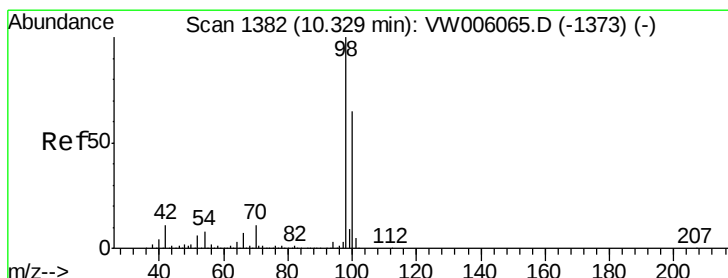
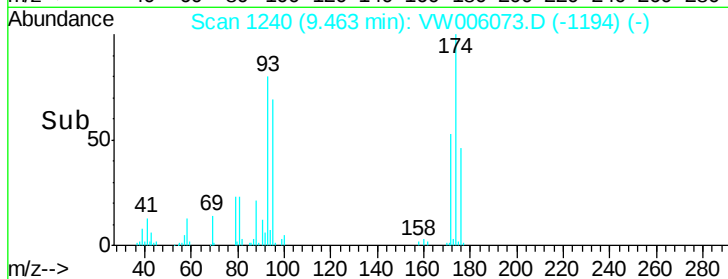
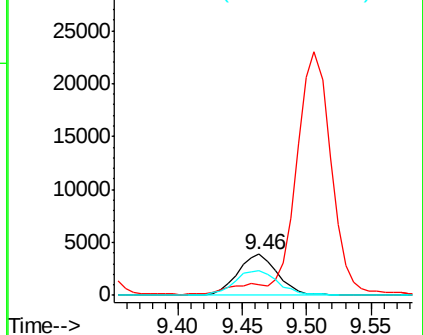
#49
1,4-Dioxane
Concen: 363.01 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Tgt Ion: 88 Resp: 8330
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 67.5 51.2 76.8

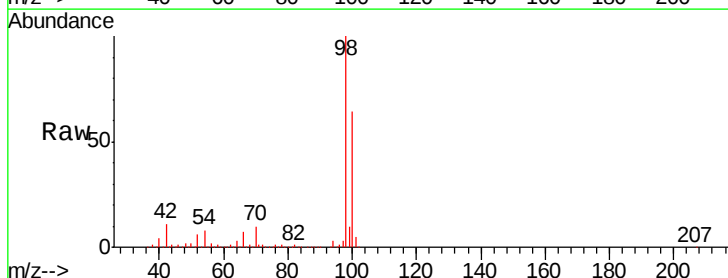


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

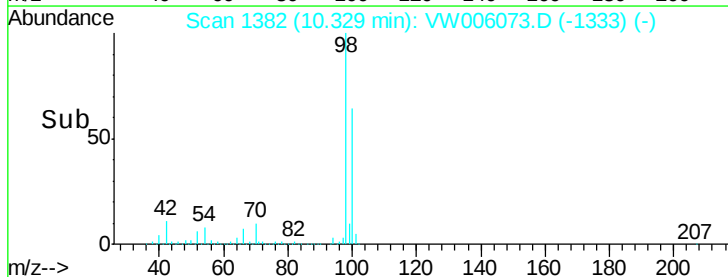
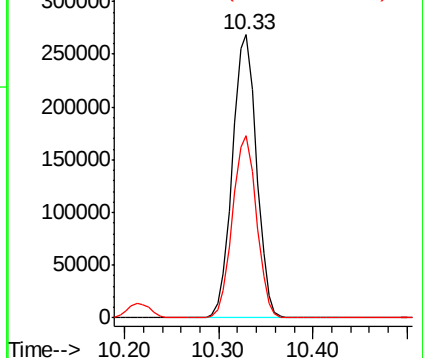


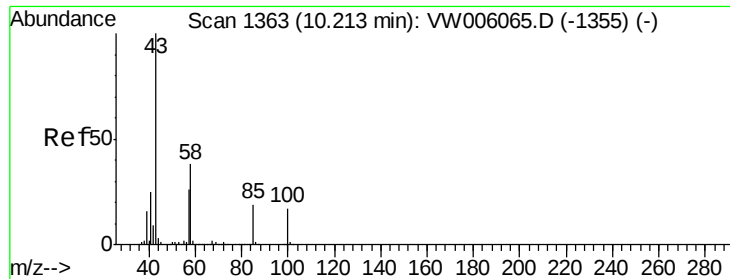
#50
Toluene-d8
Concen: 49.14 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion: 98 Resp: 477570
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

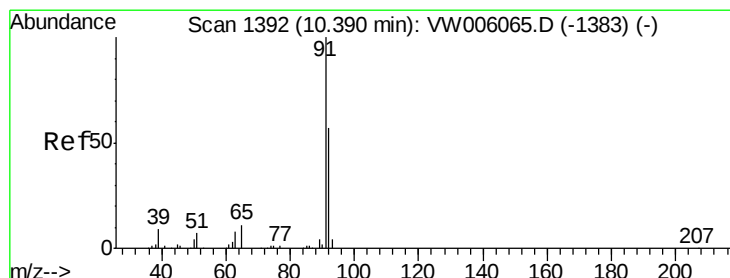
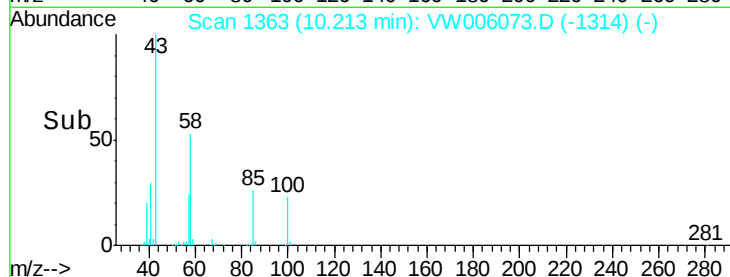
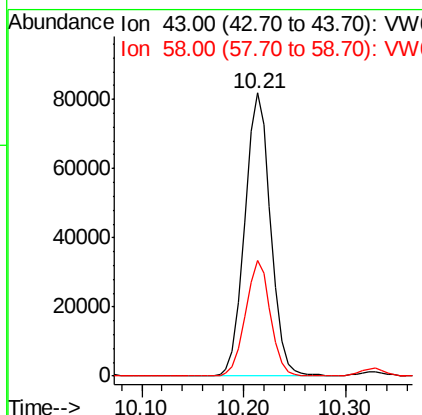
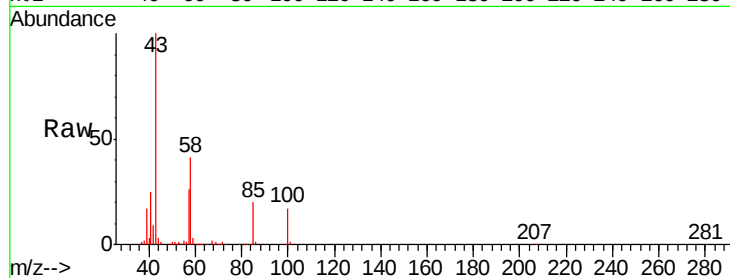




#51
 4-Methyl-2-Pentanone
 Concen: 95.10 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

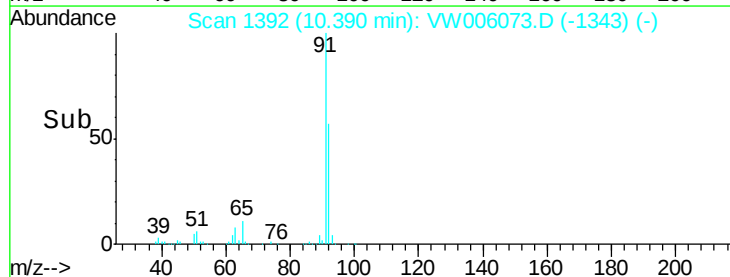
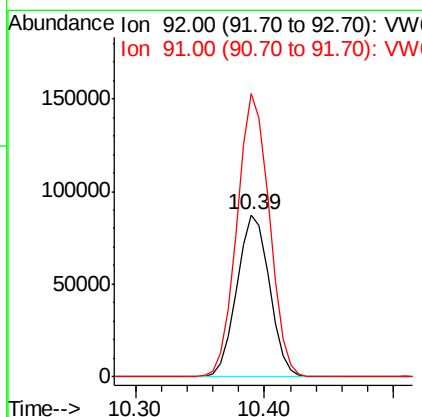
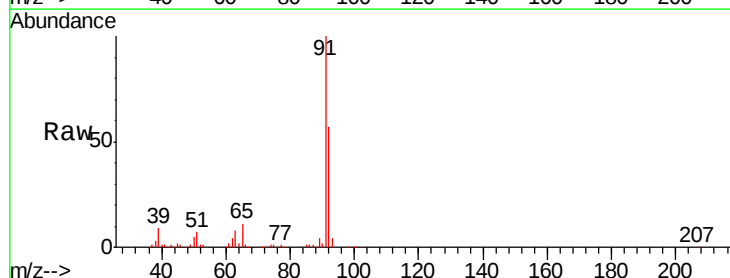
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

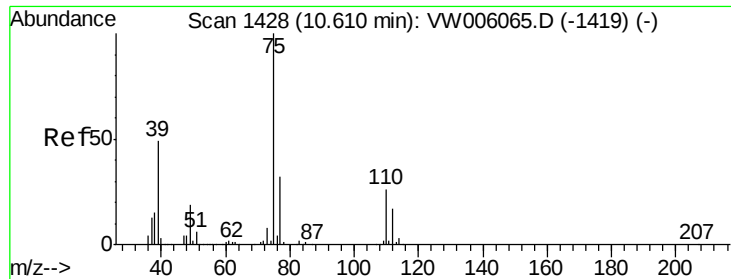
Tgt Ion: 43 Resp: 144221
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3



#52
 Toluene
 Concen: 20.85 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion: 92 Resp: 152803
 Ion Ratio Lower Upper
 92 100
 91 173.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 20.38 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

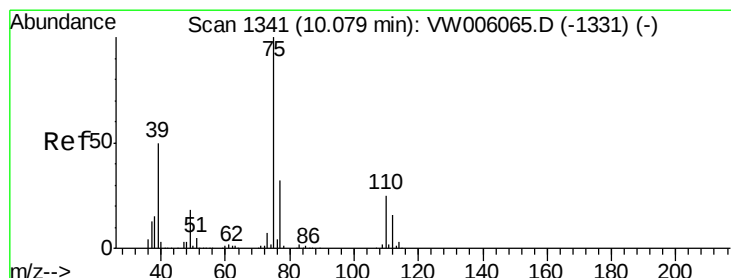
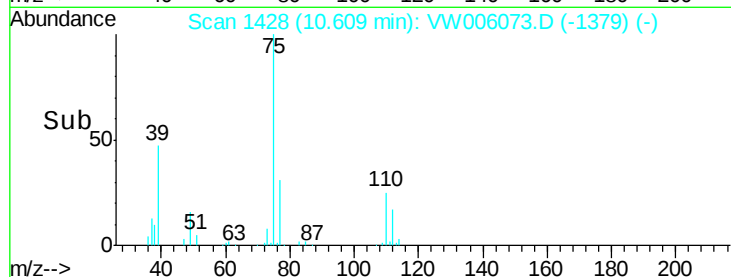
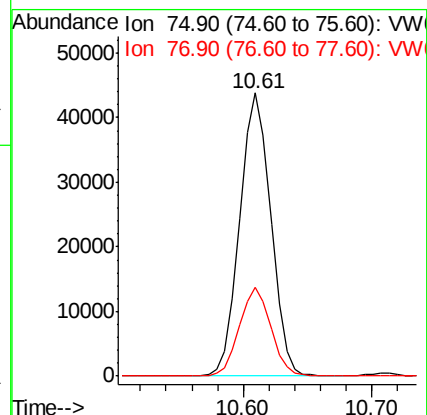
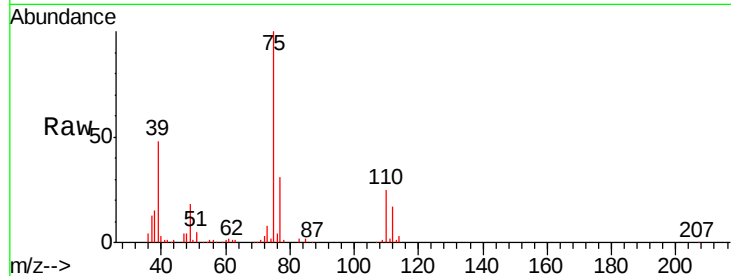
VW1016SBS01

Tgt Ion: 75 Resp: 73373

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.37 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

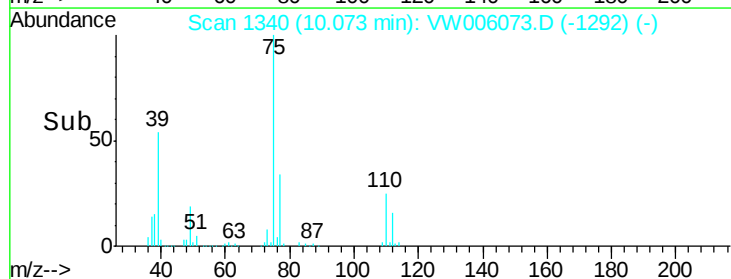
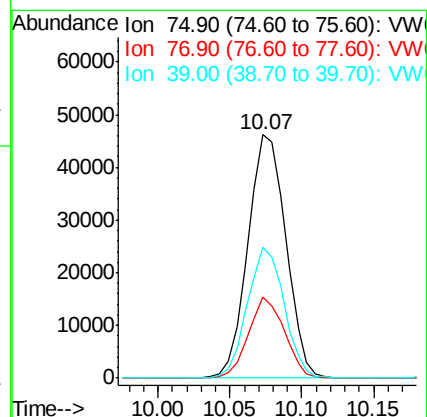
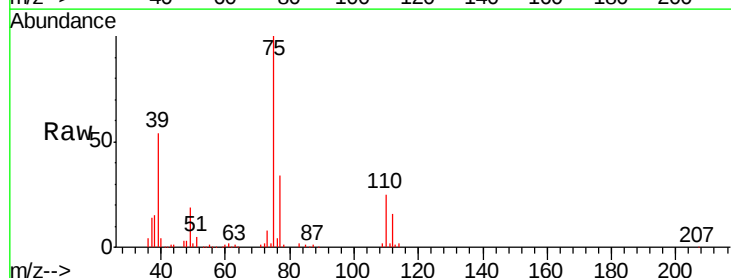
Tgt Ion: 75 Resp: 84181

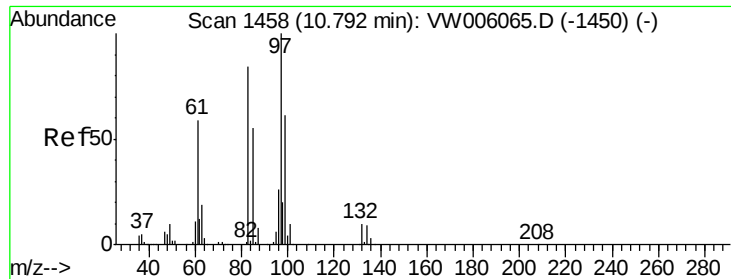
Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8

39 54.0 39.9 59.9

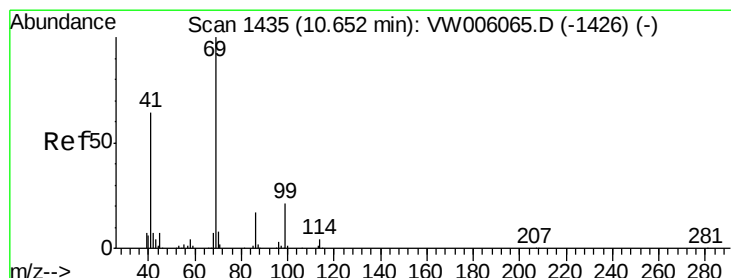
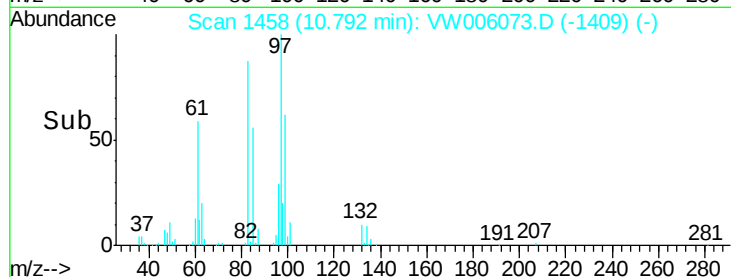
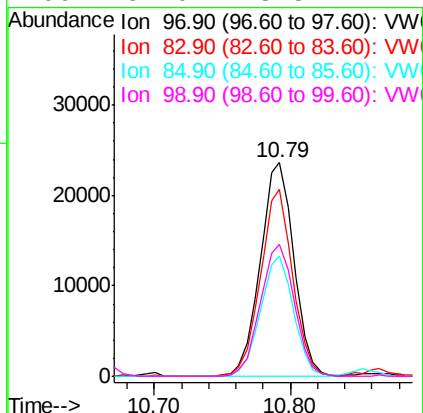
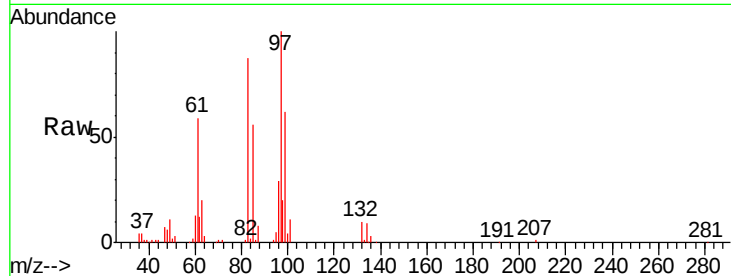




#55
 1,1,2-Trichloroethane
 Concen: 19.60 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

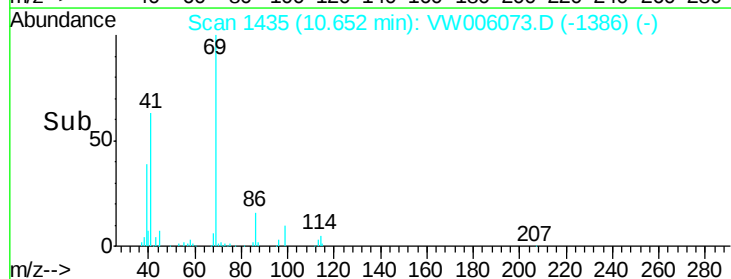
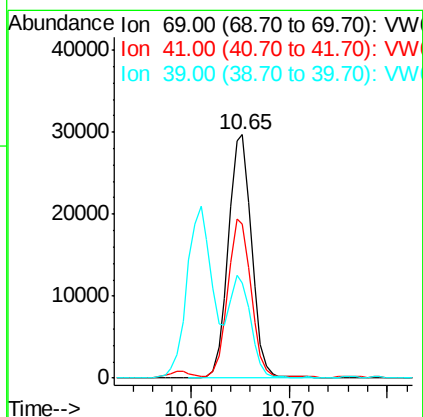
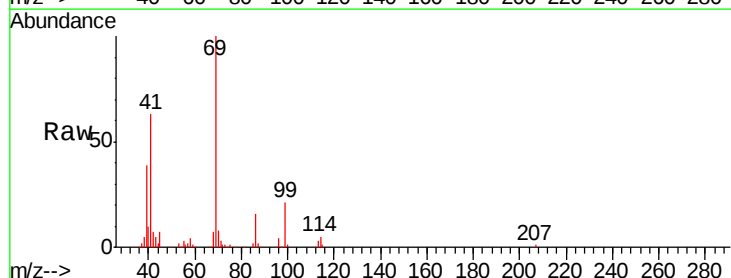
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

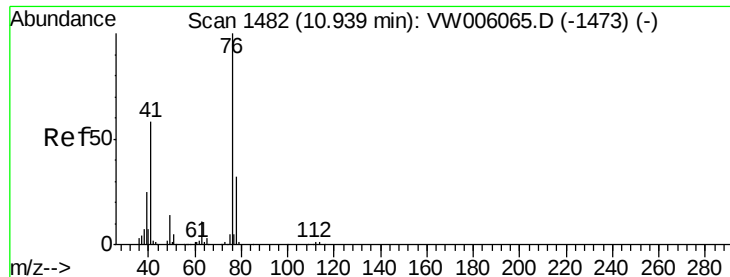
Tgt Ion:	97	Resp:	40876
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.2	100.8
85	56.3	43.7	65.5
99	62.0	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 19.21 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion:	69	Resp:	49134
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.8	79.2
39	36.5	30.6	45.8

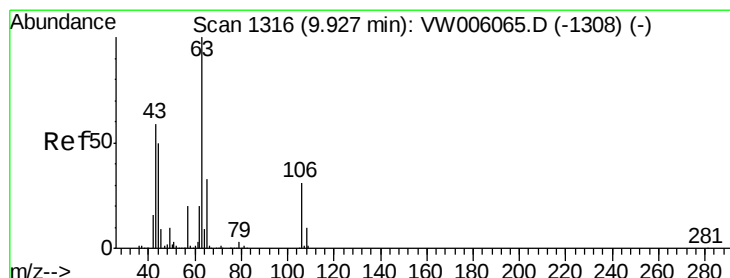
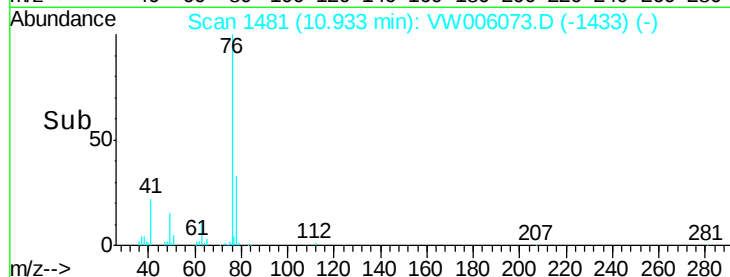
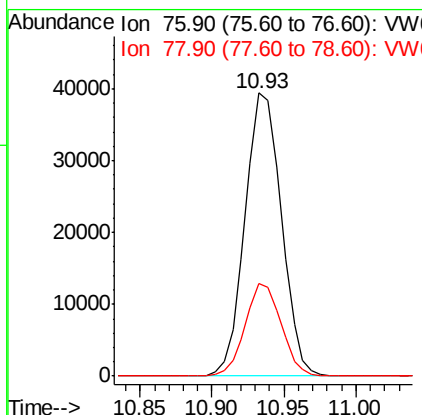
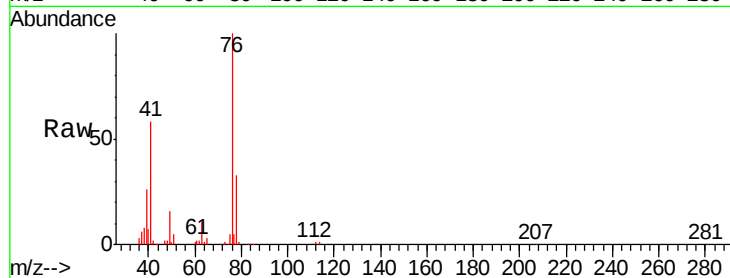




#57
 1,3-Dichloropropane
 Concen: 20.00 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

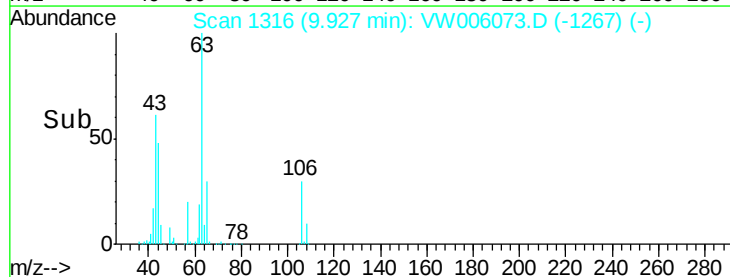
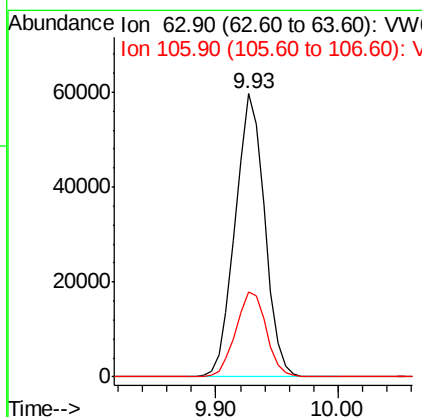
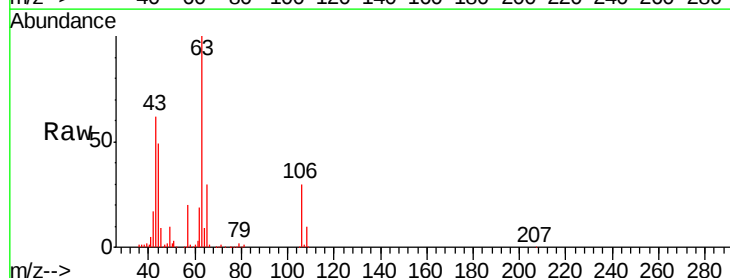
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

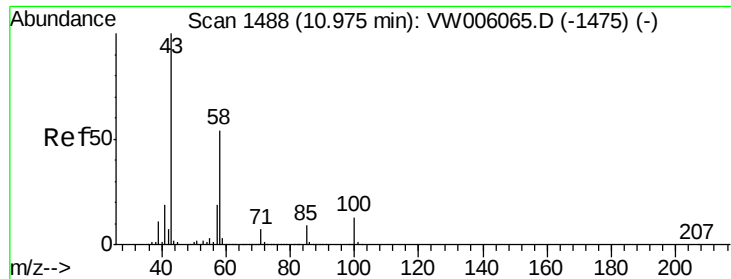
Tgt Ion: 76 Resp: 69052
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.48 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion: 63 Resp: 99155
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7

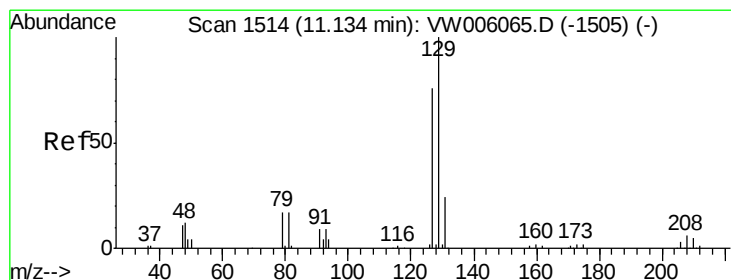
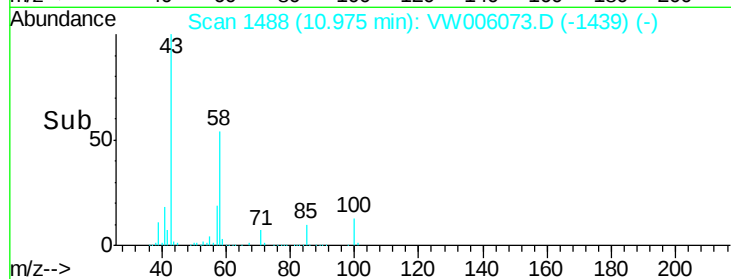
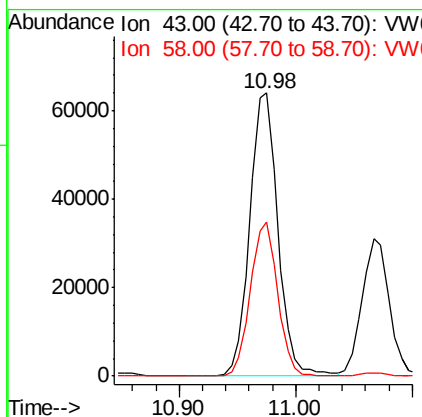
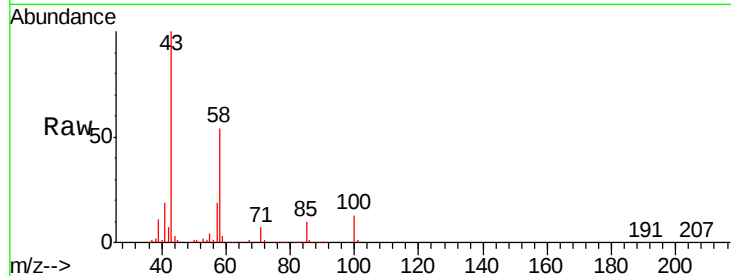




#59
2-Hexanone
Concen: 100.29 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

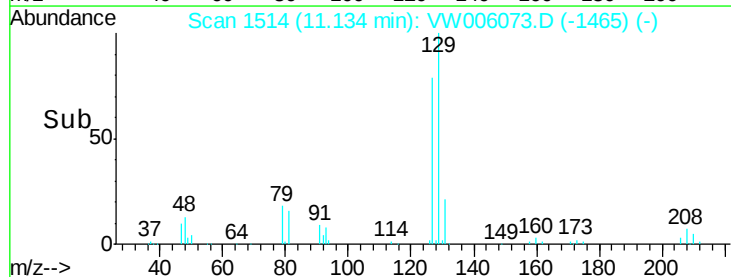
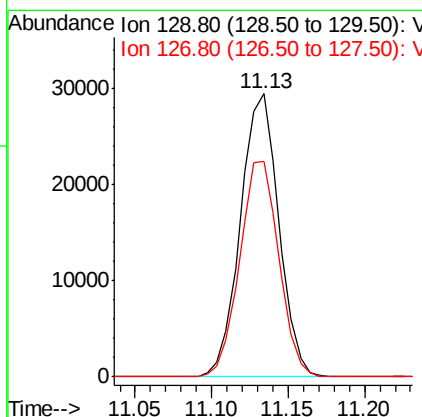
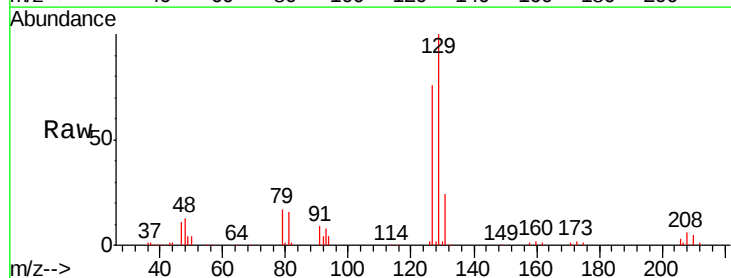
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

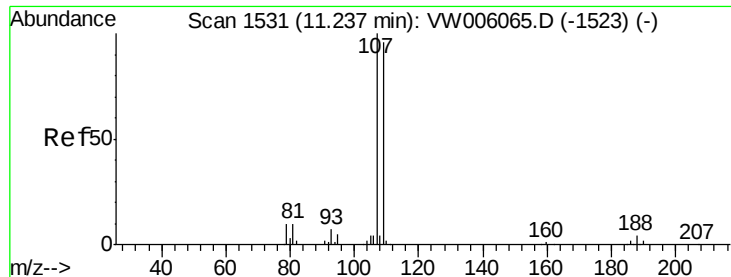
Tgt Ion: 43 Resp: 108563
Ion Ratio Lower Upper
43 100
58 52.7 26.9 80.6



#60
Dibromochloromethane
Concen: 19.79 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion: 129 Resp: 51431
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7

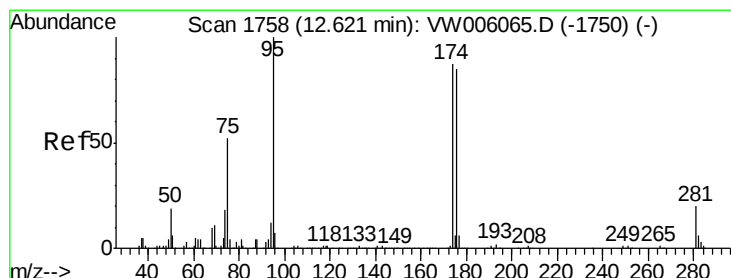
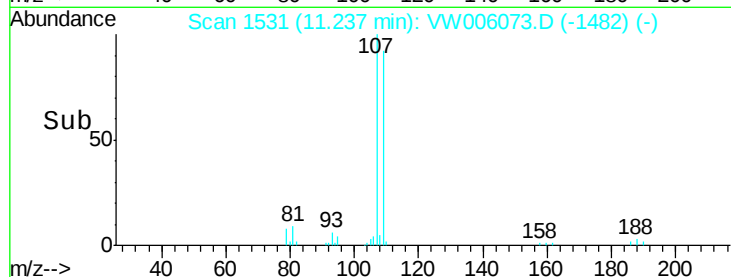
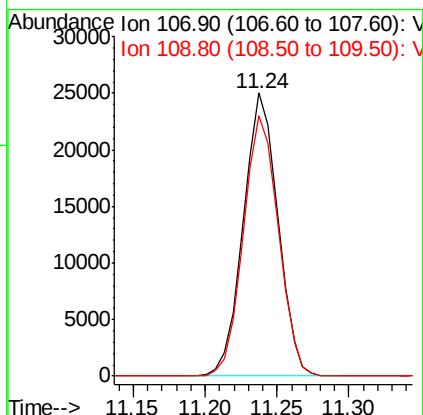
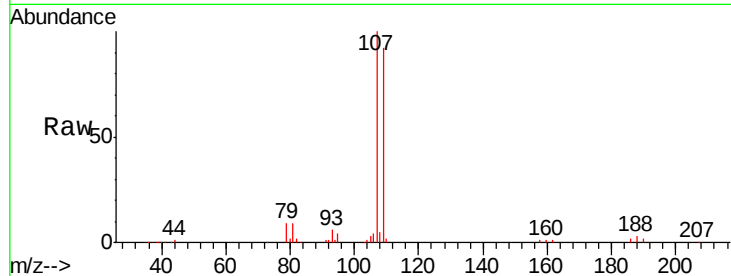




#61
 1,2-Dibromoethane
 Concen: 19.94 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

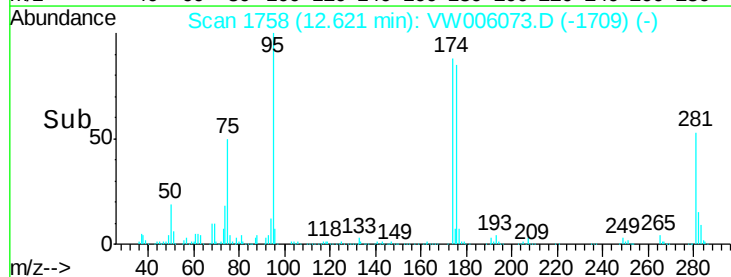
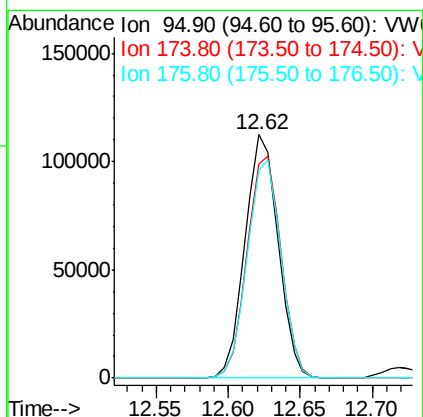
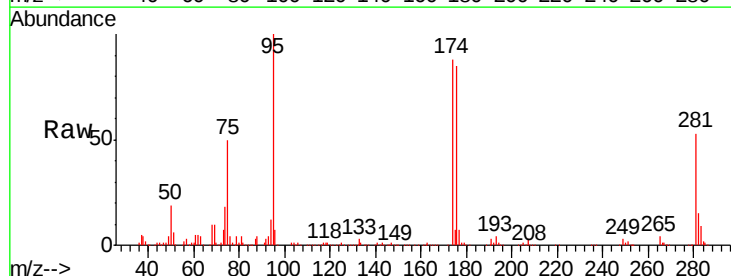
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

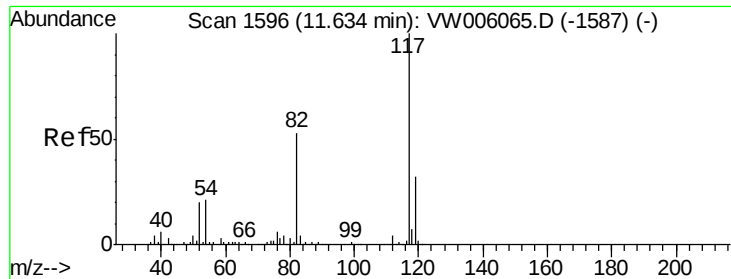
Tgt Ion: 107 Resp: 41567
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.03 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion: 95 Resp: 178935
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 186.0
 176 91.0 0.0 181.6

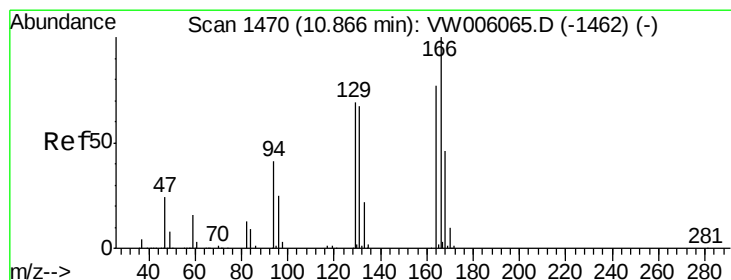
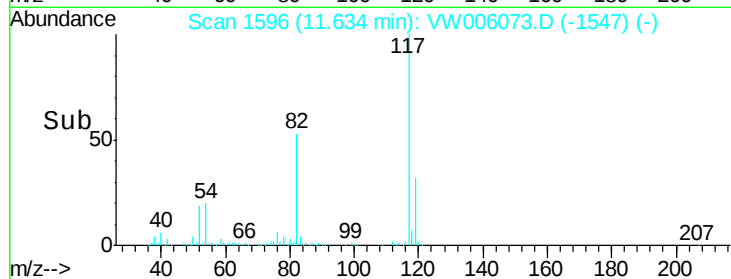
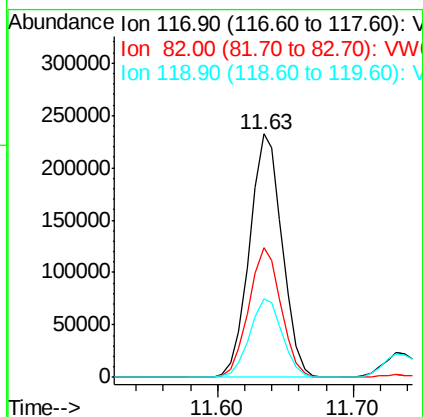
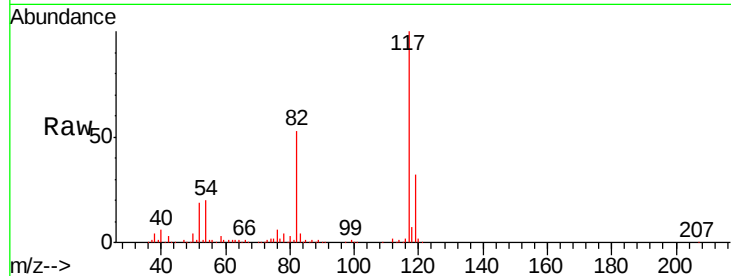




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

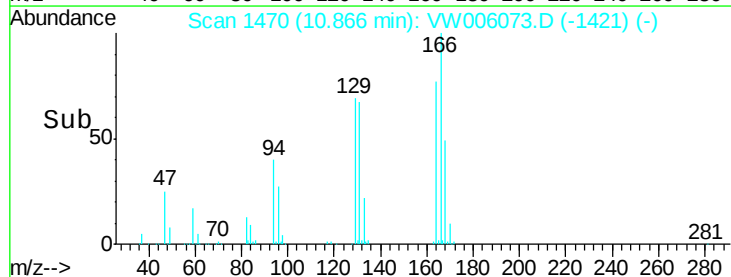
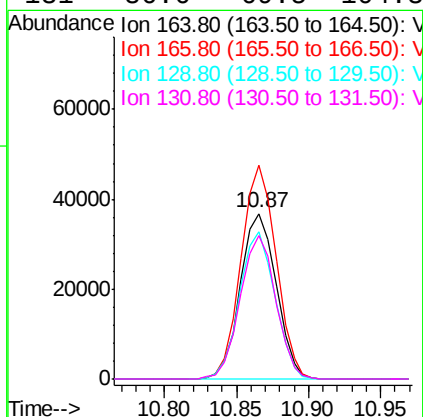
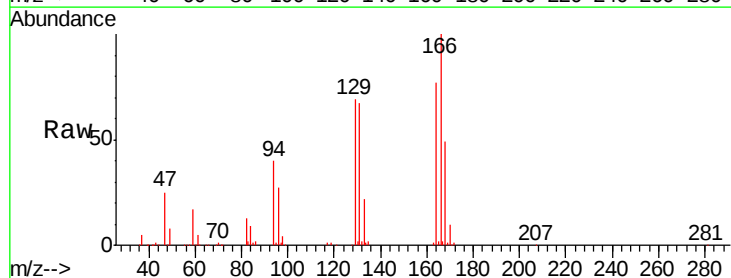
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

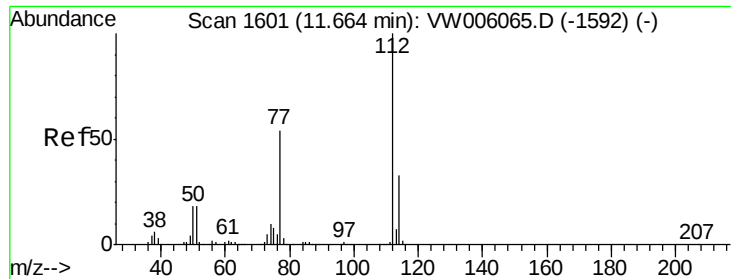
Tgt Ion:117 Resp: 390644
Ion Ratio Lower Upper
117 100
82 53.3 42.1 63.1
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 20.98 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion:164 Resp: 63619
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.0
129 89.5 71.8 107.8
131 86.6 69.5 104.3





#65

Chlorobenzene

Concen: 20.82 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

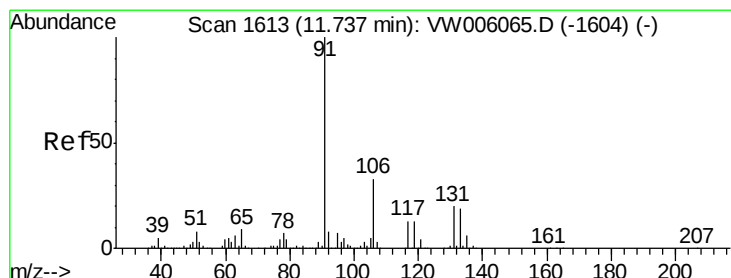
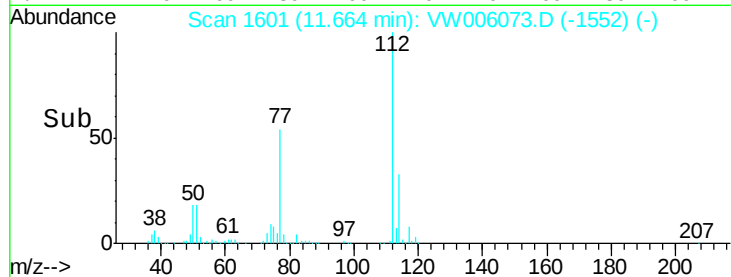
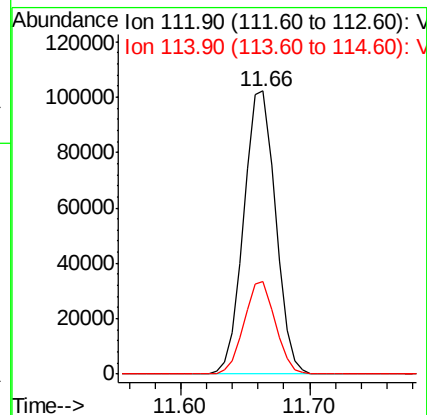
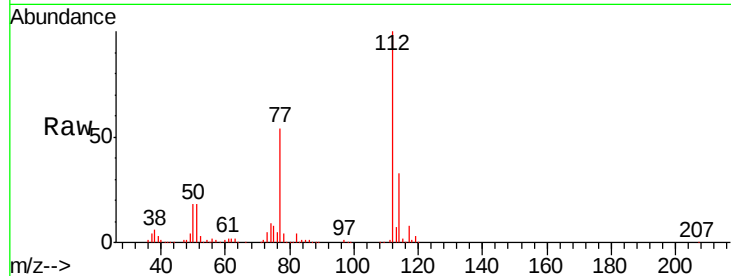
VW1016SBS01

Tgt Ion:112 Resp: 174100

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.62 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

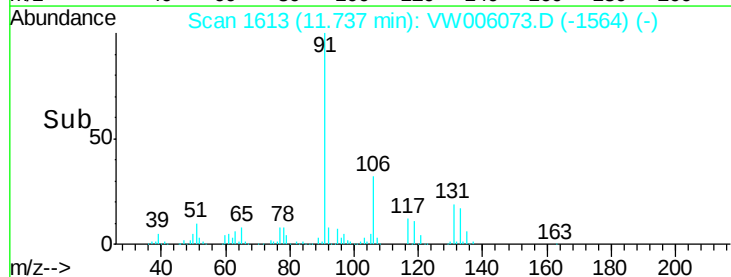
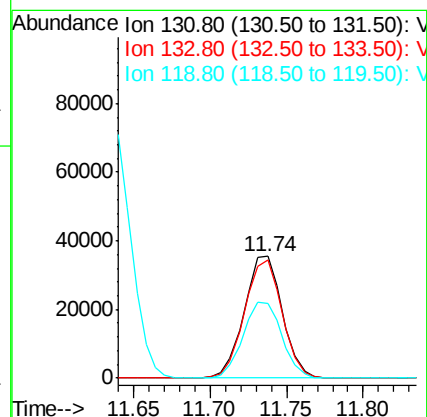
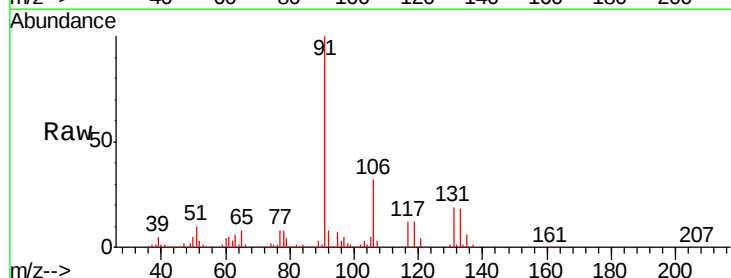
Tgt Ion:131 Resp: 61279

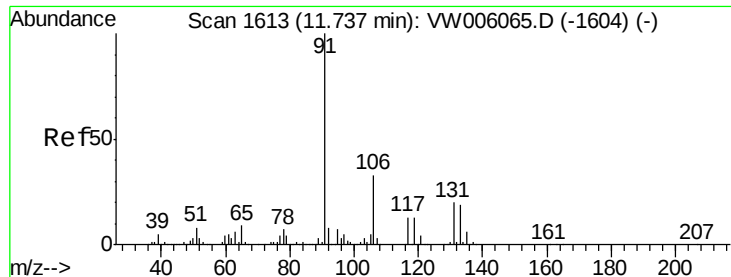
Ion Ratio Lower Upper

131 100

133 95.8 48.1 144.3

119 63.6 31.6 94.7

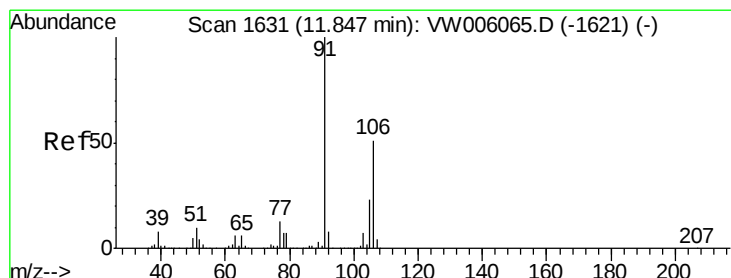
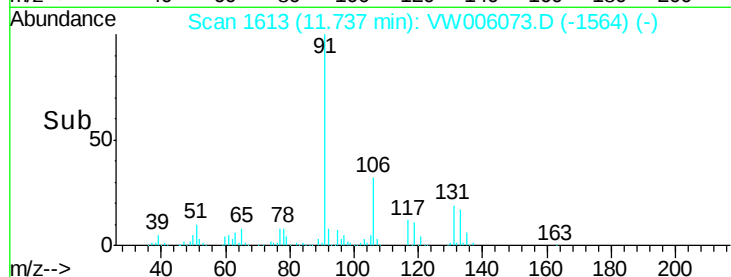
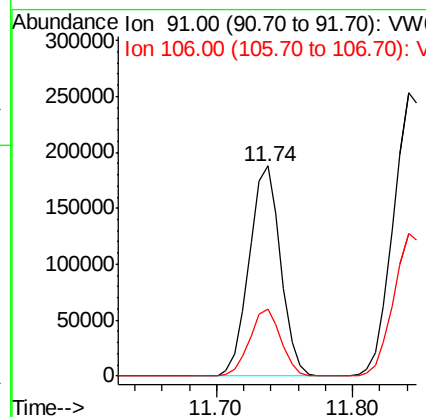
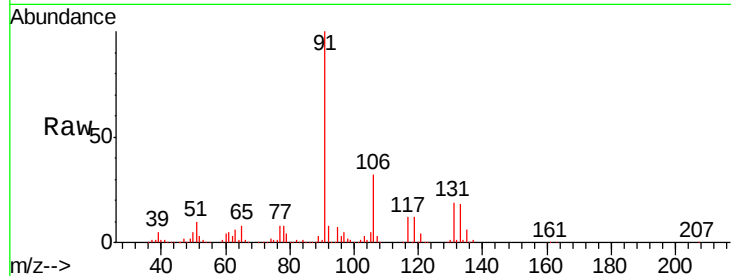




#67
Ethyl Benzene
Concen: 20.99 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

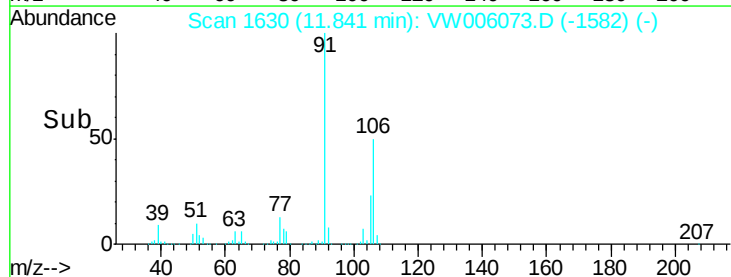
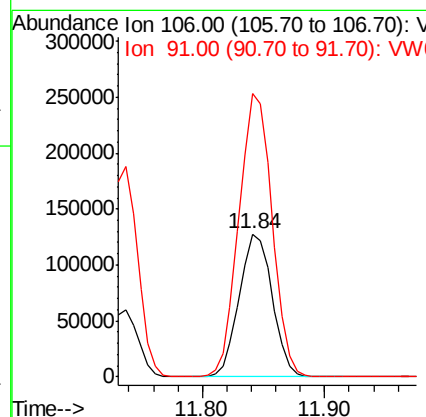
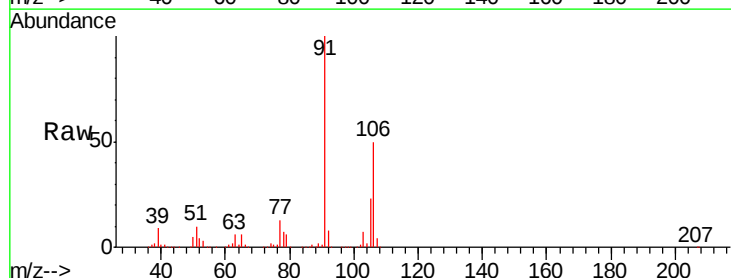
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

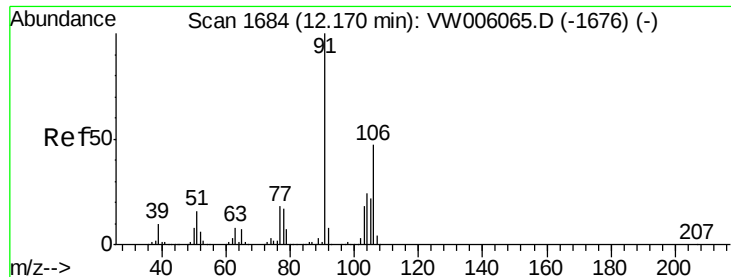
Tgt Ion: 91 Resp: 304157
Ion Ratio Lower Upper
91 100
106 32.1 26.1 39.1



#68
m/p-Xylenes
Concen: 41.88 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion: 106 Resp: 239889
Ion Ratio Lower Upper
106 100
91 198.8 159.1 238.7

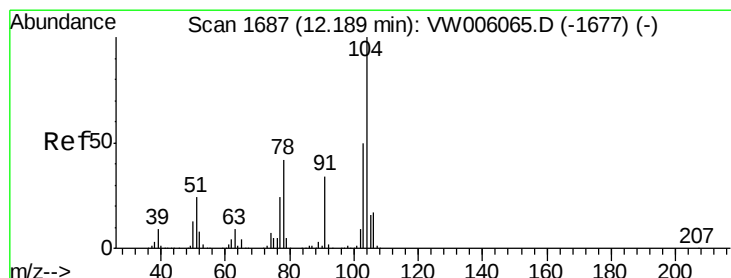
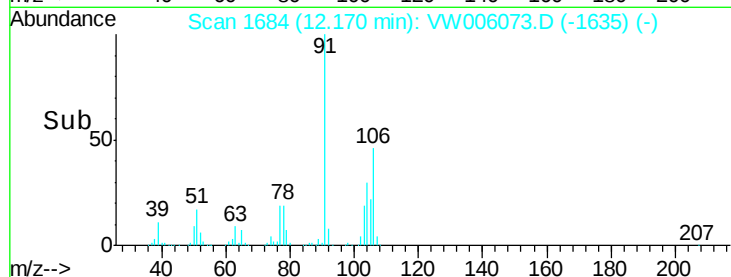
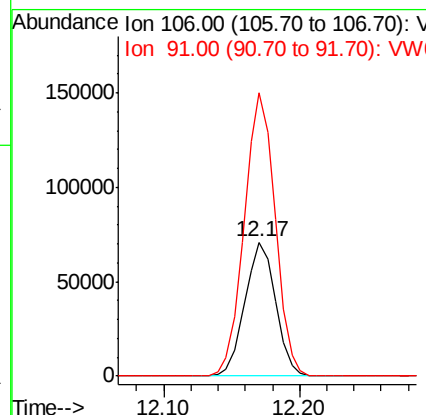
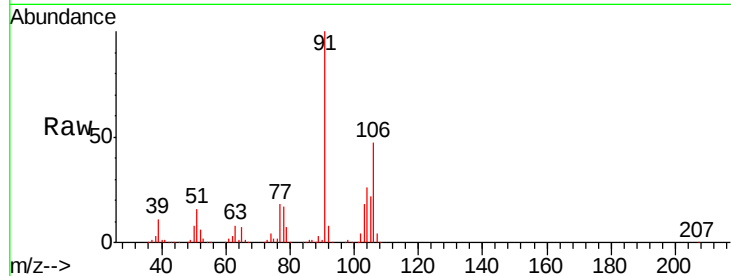




#69
o-Xylene
Concen: 20.53 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

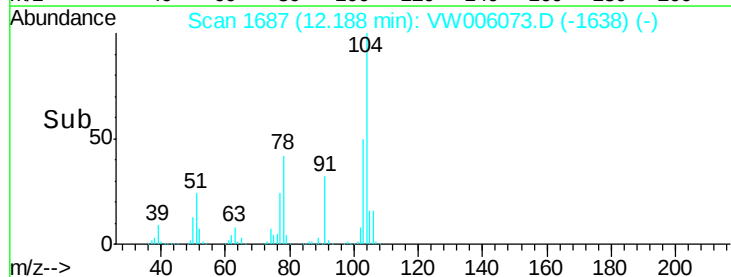
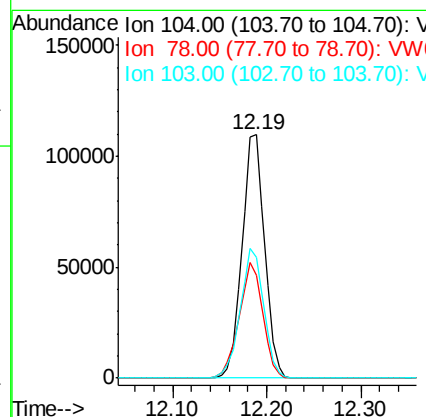
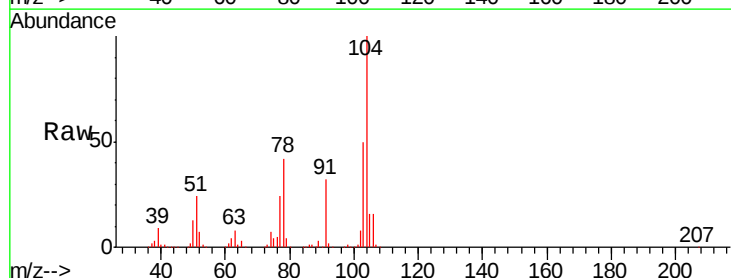
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Tgt Ion:106 Resp: 112070
Ion Ratio Lower Upper
106 100
91 212.7 105.4 316.1



#70
Styrene
Concen: 20.50 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion:104 Resp: 181963
Ion Ratio Lower Upper
104 100
78 49.6 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 19.07 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

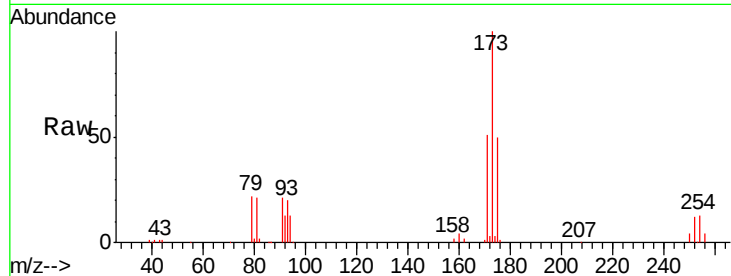
Tgt Ion:173 Resp: 31610

Ion Ratio Lower Upper

173 100

175 49.3 24.2 72.6

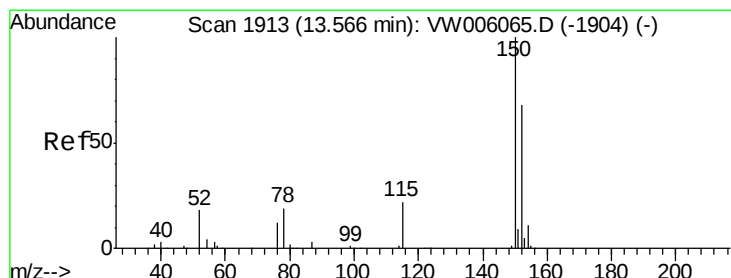
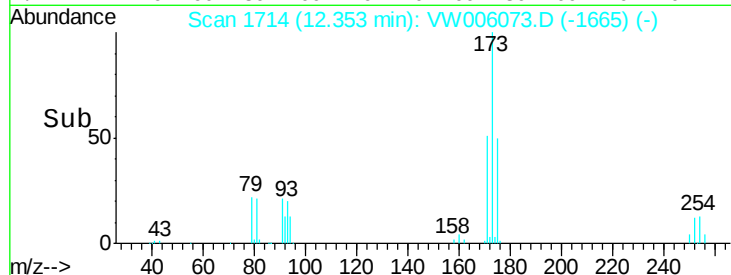
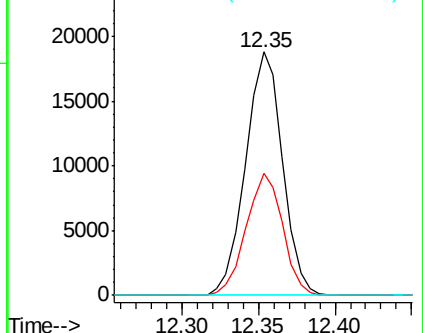
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

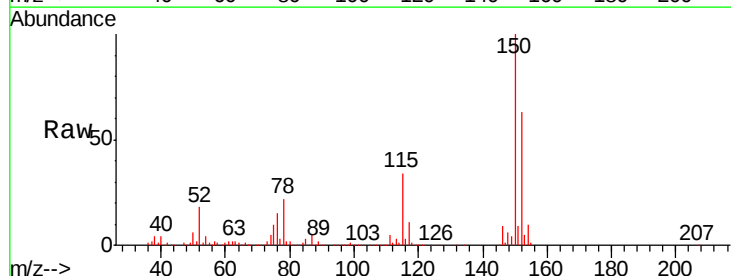
Tgt Ion:152 Resp: 218776

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.3

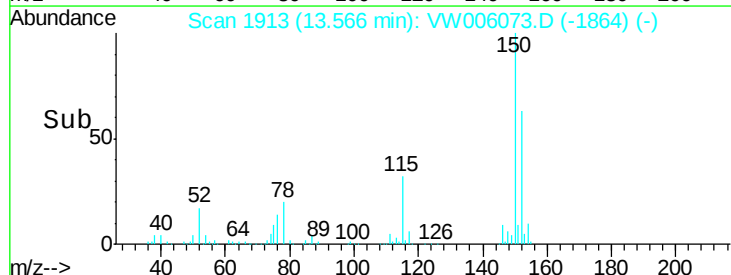
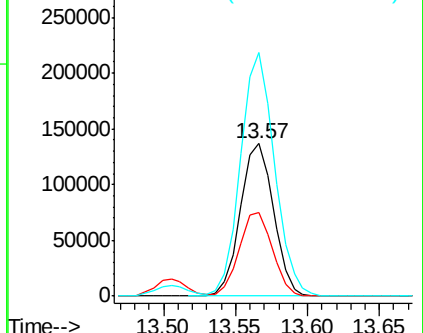
150 163.6 0.0 349.2

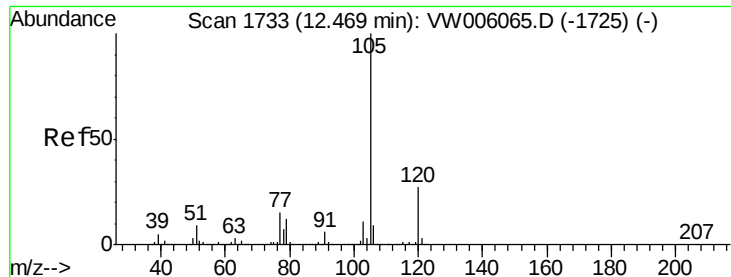


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.84 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

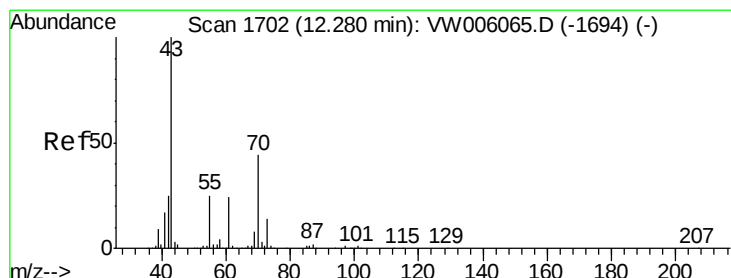
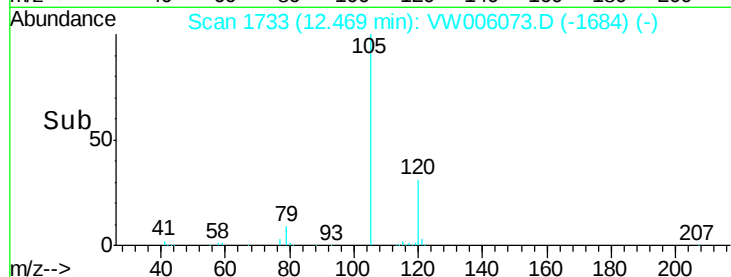
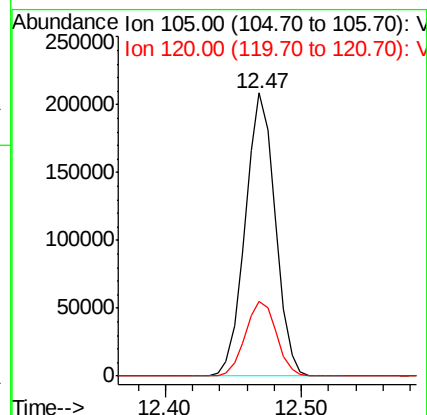
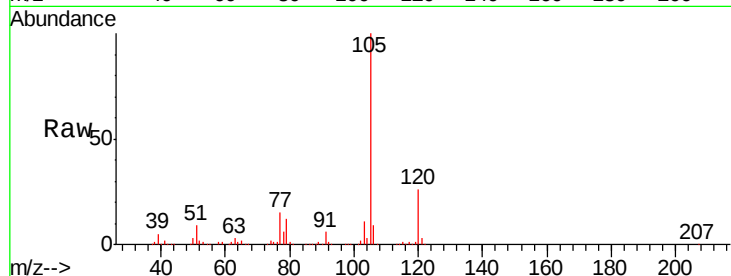
VW1016SBS01

Tgt Ion: 105 Resp: 322040

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 19.01 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Tgt Ion: 43 Resp: 57062

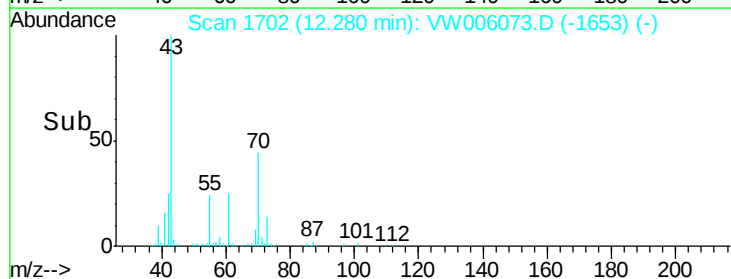
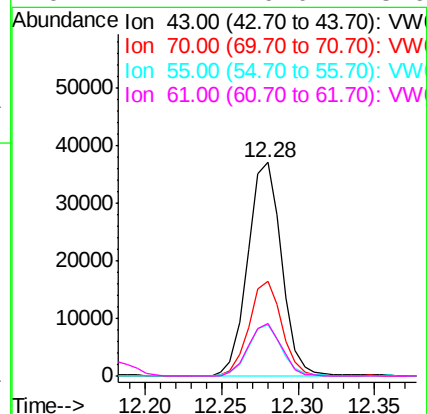
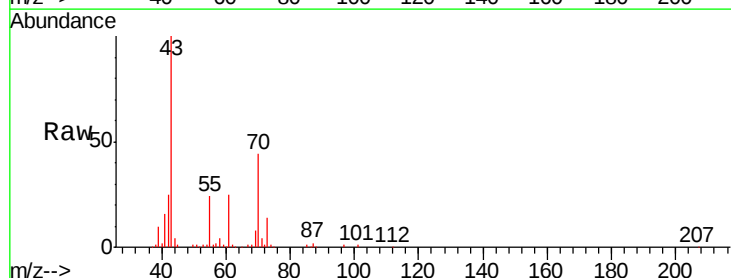
Ion Ratio Lower Upper

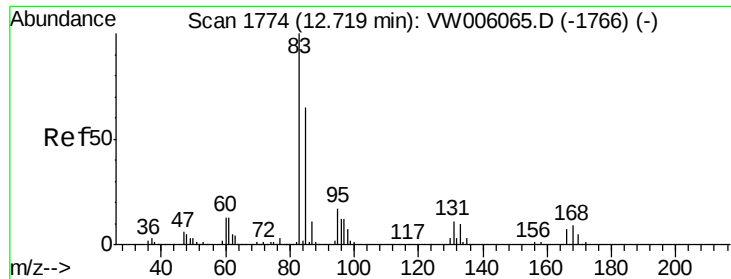
43 100

70 43.1 34.2 51.4

55 24.2 19.2 28.8

61 24.2 19.0 28.6

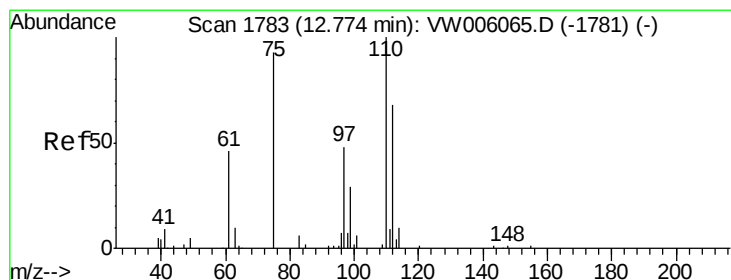
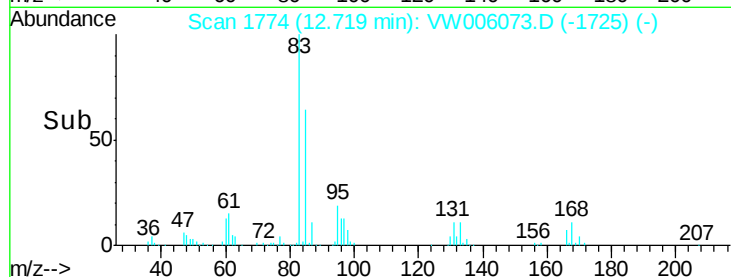
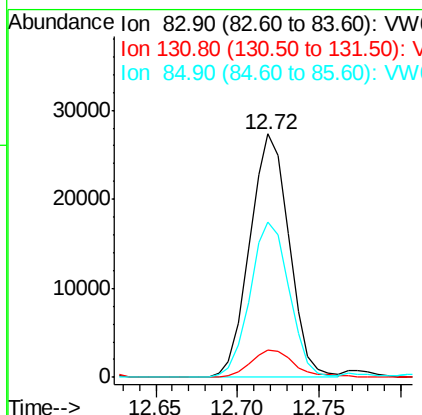
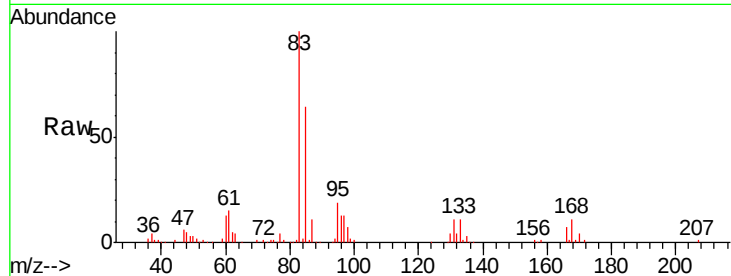




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.51 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

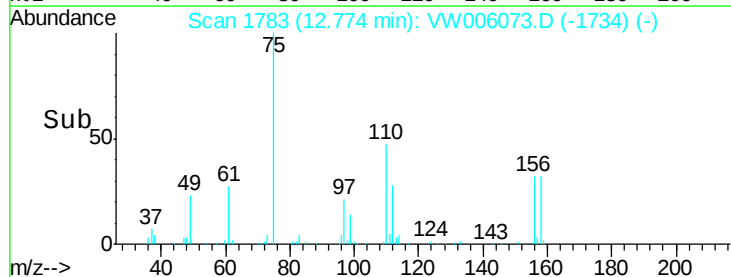
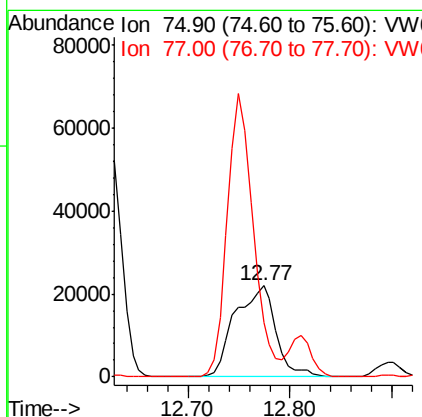
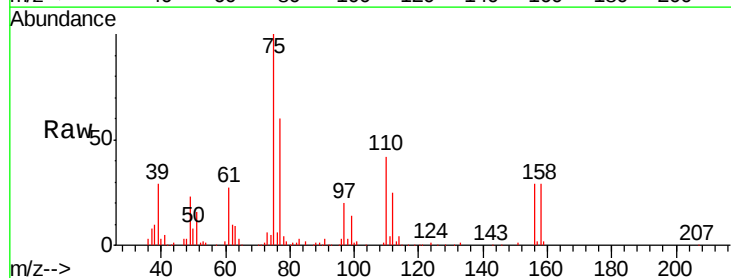
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

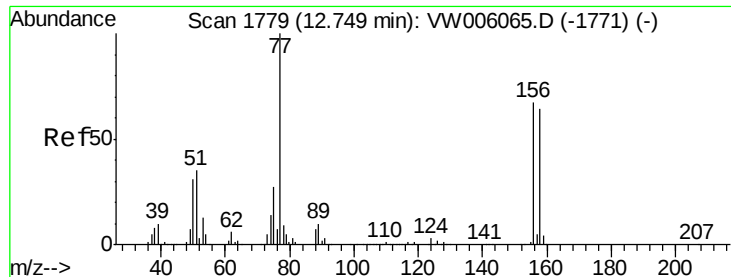
Tgt Ion: 83 Resp: 45853
 Ion Ratio Lower Upper
 83 100
 131 12.5 5.9 17.7
 85 63.7 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 36.55 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion: 75 Resp: 61070
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.34 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

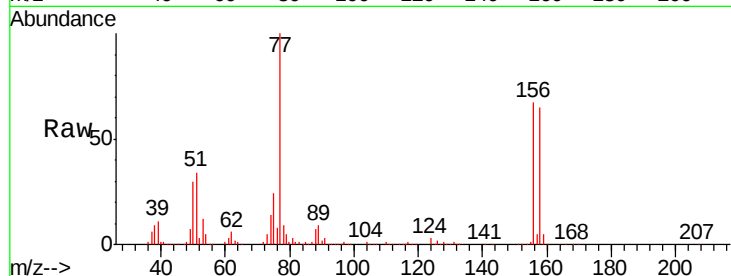
Tgt Ion:156 Resp: 77013

Ion Ratio Lower Upper

156 100

77 158.4 79.1 237.4

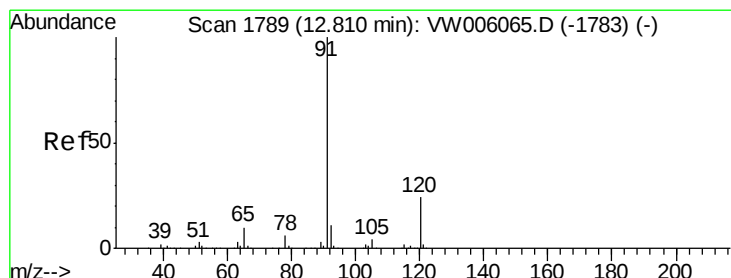
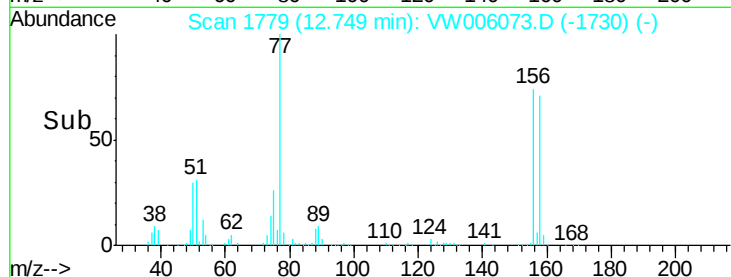
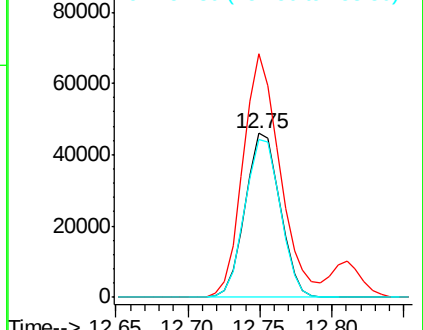
158 97.9 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.03 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006073.D

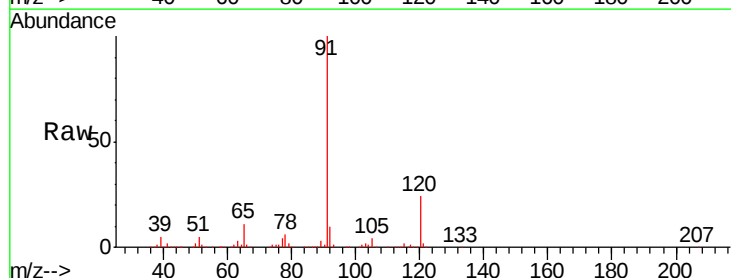
Acq: 16 Oct 2018 12:52

Tgt Ion: 91 Resp: 378222

Ion Ratio Lower Upper

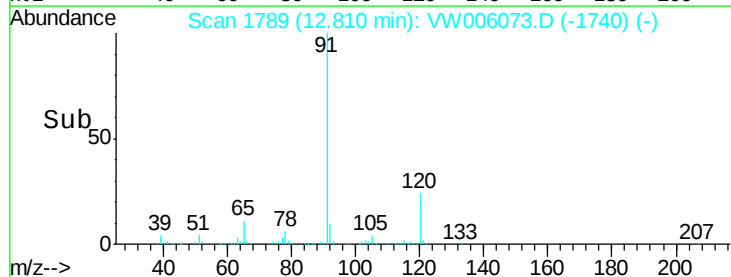
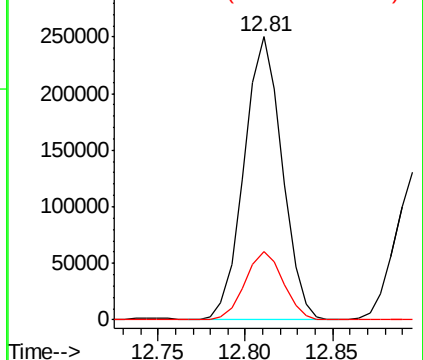
91 100

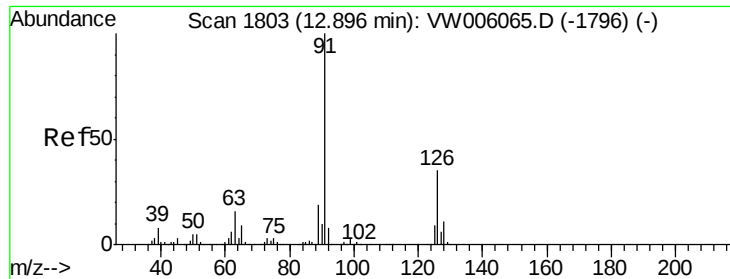
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.72 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

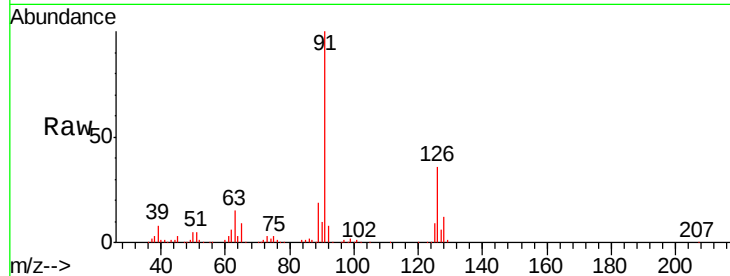
VW1016SBS01

Tgt Ion: 91 Resp: 209326

Ion Ratio Lower Upper

91 100

126 36.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

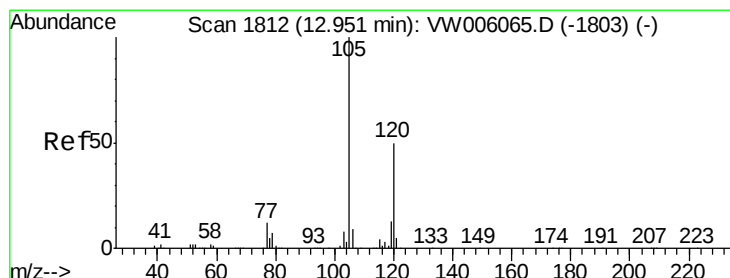
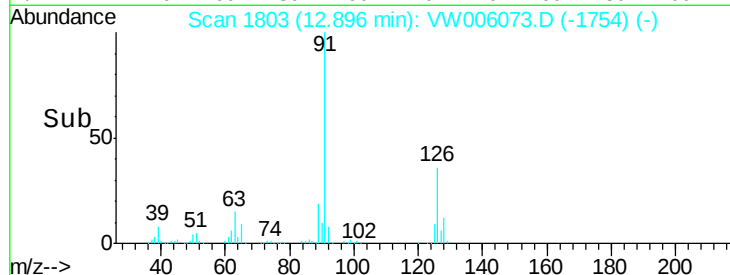
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.78 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006073.D

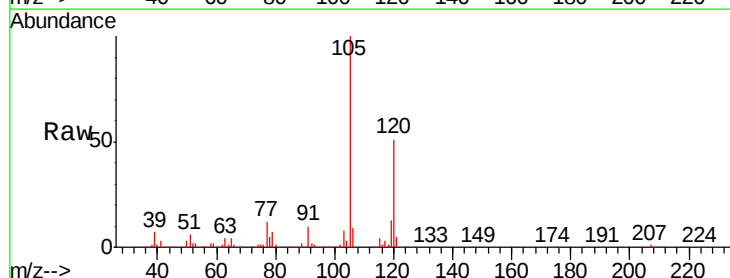
Acq: 16 Oct 2018 12:52

Tgt Ion: 105 Resp: 270819

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

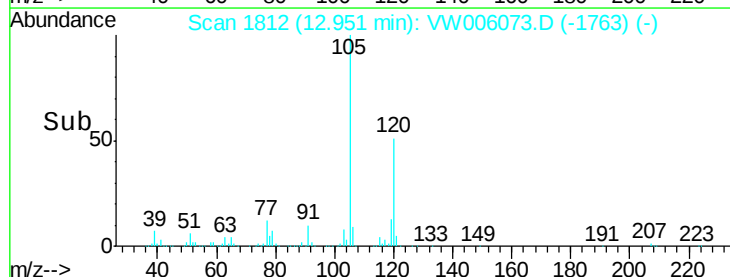
100000

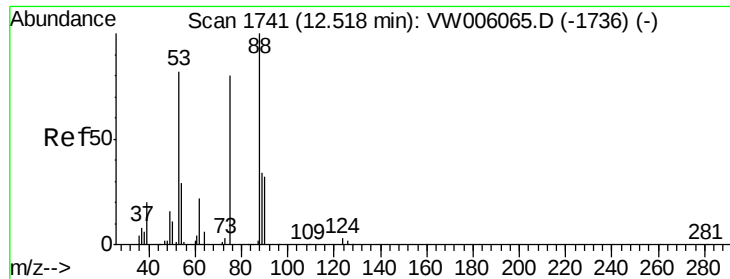
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.38 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

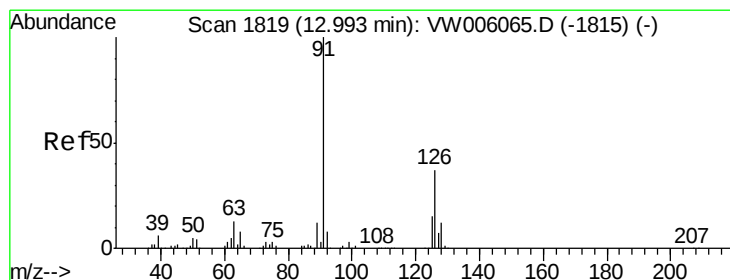
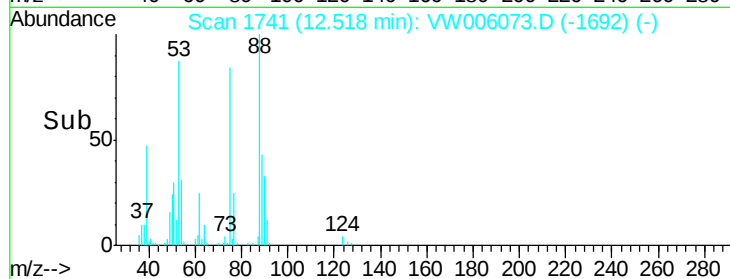
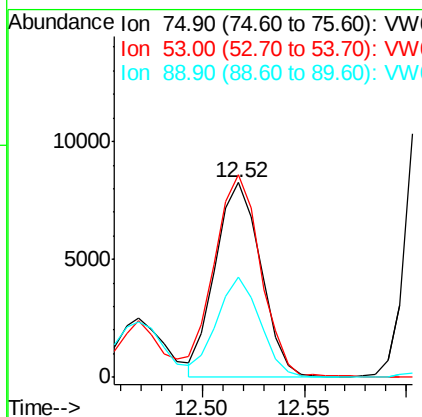
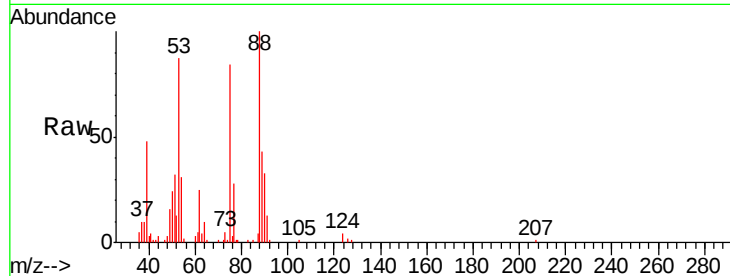
Tgt Ion: 75 Resp: 12851

Ion Ratio Lower Upper

75 100

53 107.6 79.8 119.6

89 48.8 37.5 56.3



#82

4-Chlorotoluene

Concen: 21.05 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006073.D

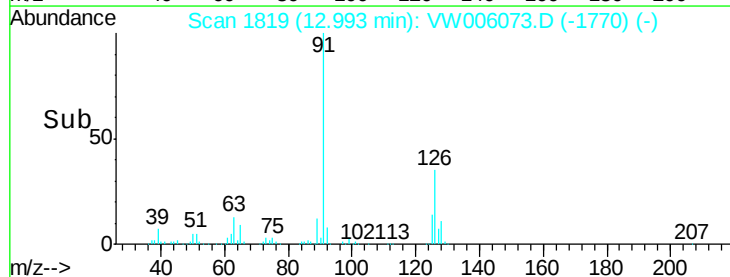
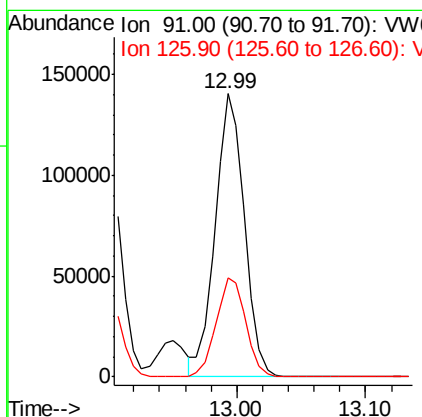
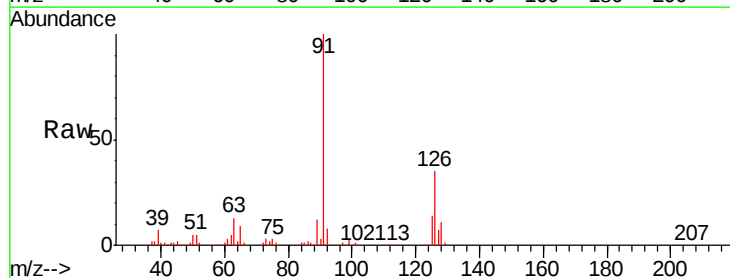
Acq: 16 Oct 2018 12:52

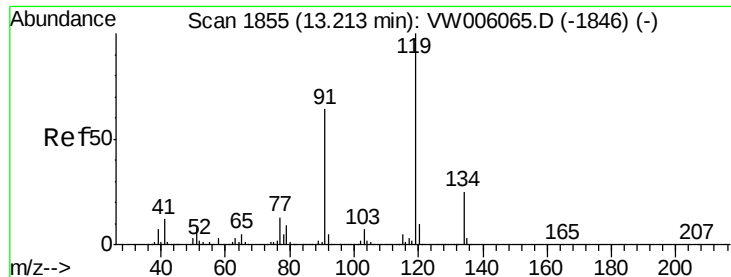
Tgt Ion: 91 Resp: 222728

Ion Ratio Lower Upper

91 100

126 35.5 18.1 54.3

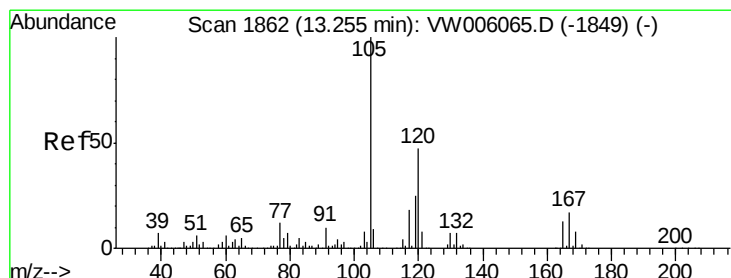
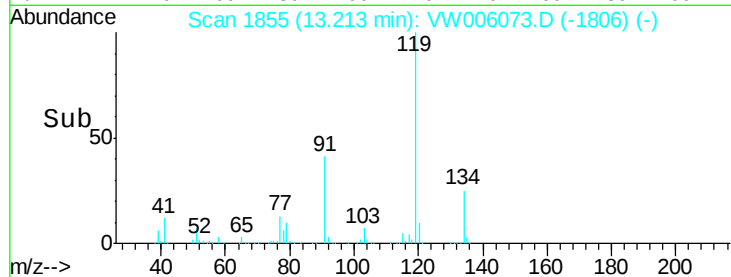
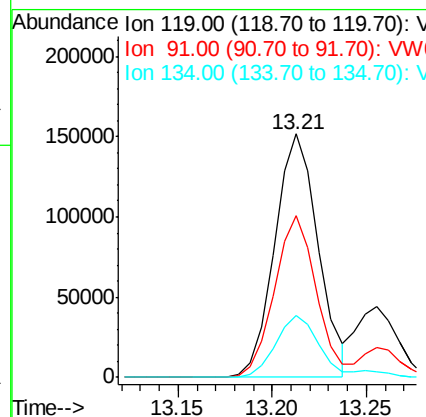
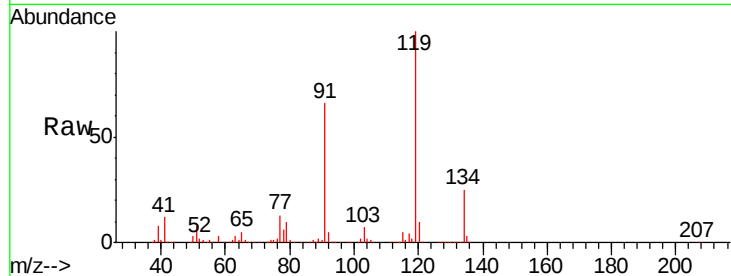




#83
 tert-Butylbenzene
 Concen: 20.83 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

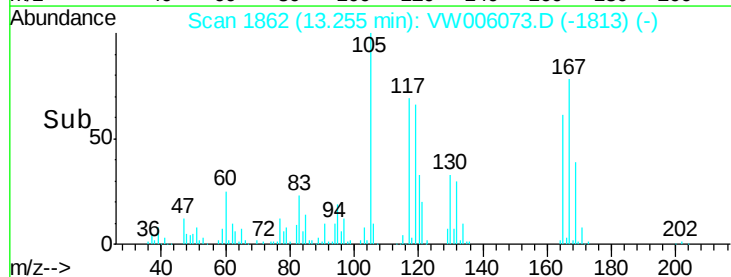
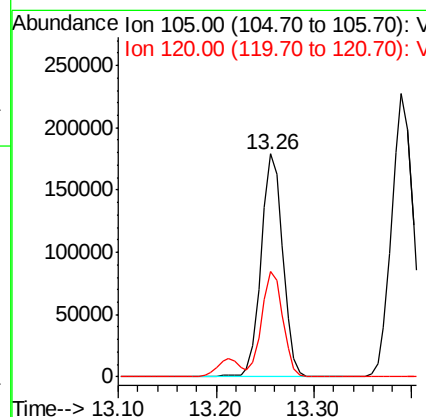
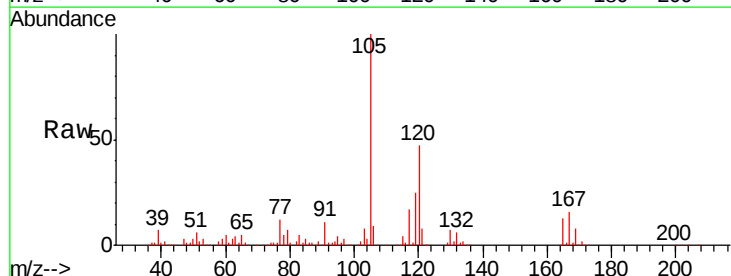
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

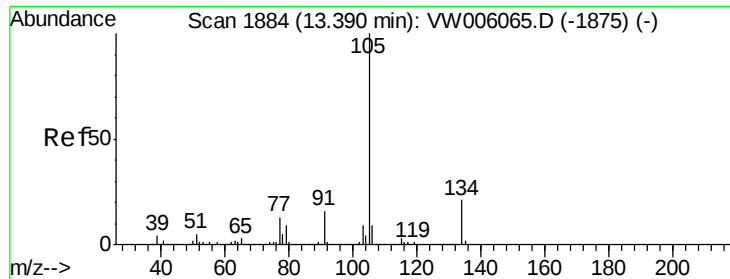
Tgt Ion:119 Resp: 242791
 Ion Ratio Lower Upper
 119 100
 91 63.5 32.3 96.9
 134 25.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.08 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion:105 Resp: 277928
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.3

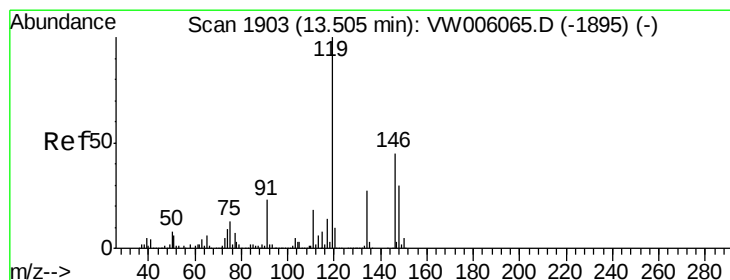
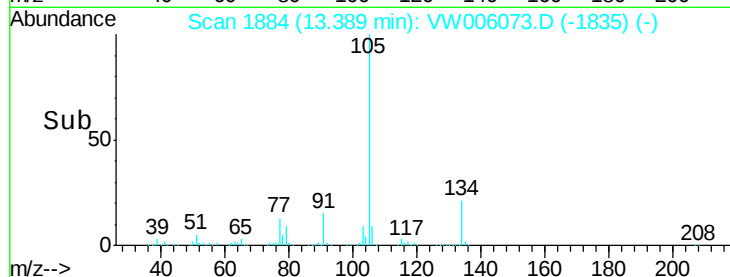
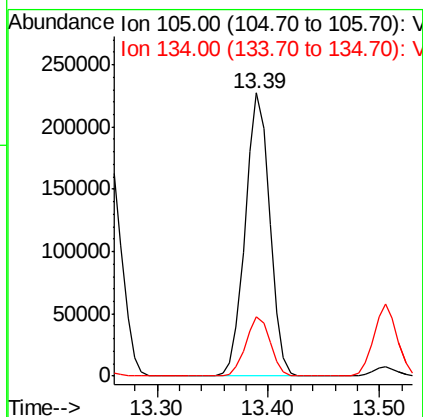
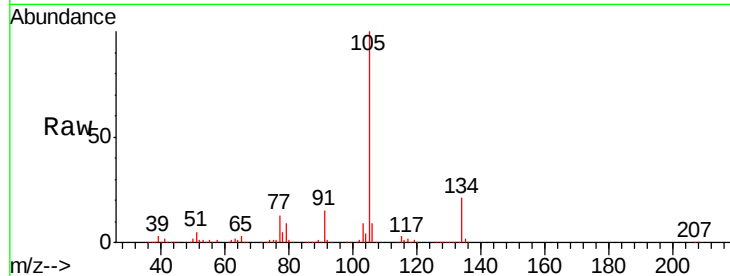




#85
 sec-Butylbenzene
 Concen: 21.07 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

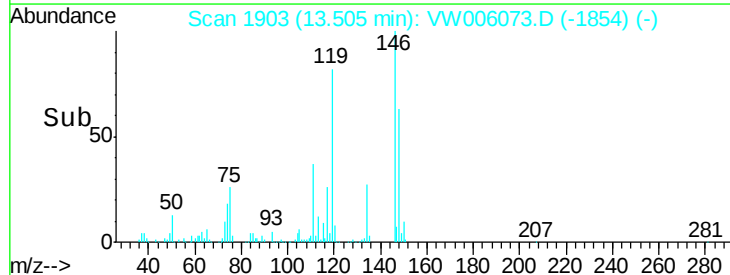
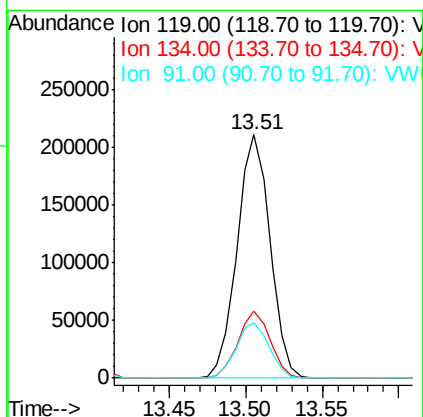
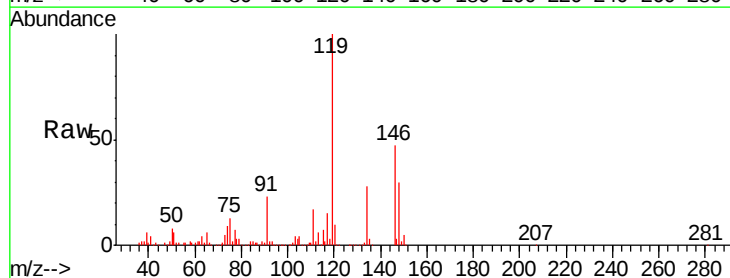
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

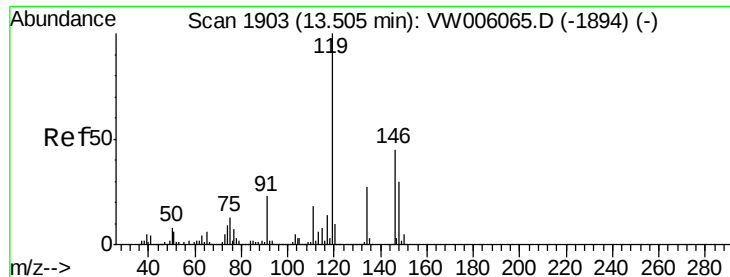
Tgt Ion:105 Resp: 347078
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 21.05 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion:119 Resp: 313497
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.2
 91 23.1 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.76 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

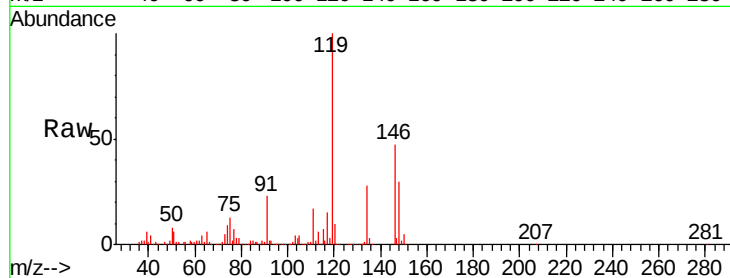
Tgt Ion:146 Resp: 156439

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.5

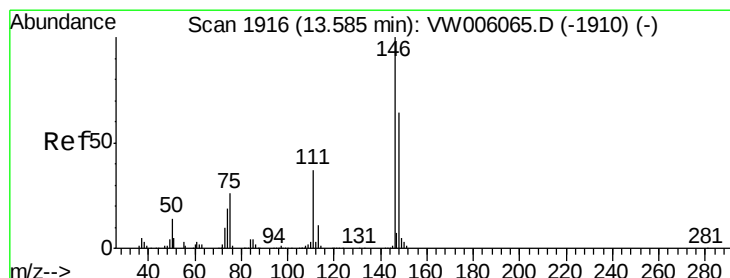
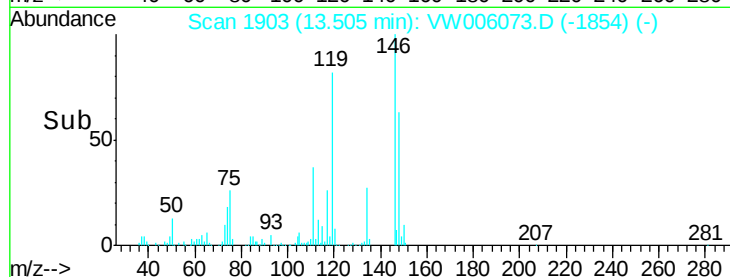
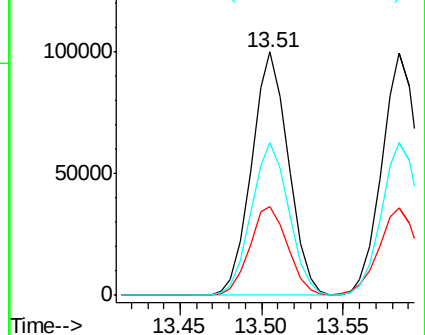
148 63.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.79 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

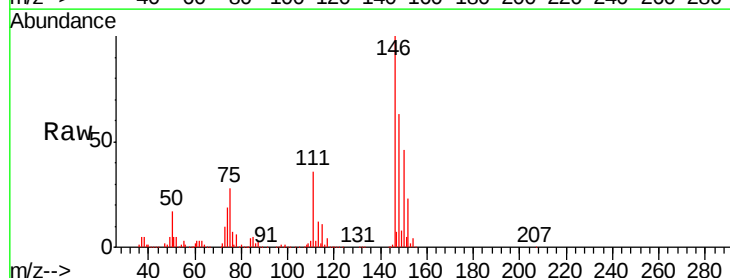
Tgt Ion:146 Resp: 155966

Ion Ratio Lower Upper

146 100

111 37.9 18.6 56.0

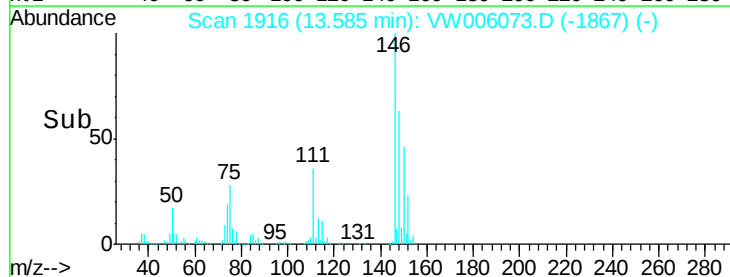
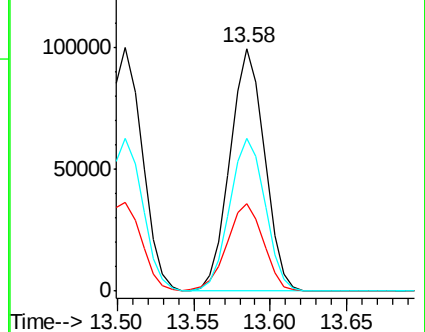
148 64.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.28 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

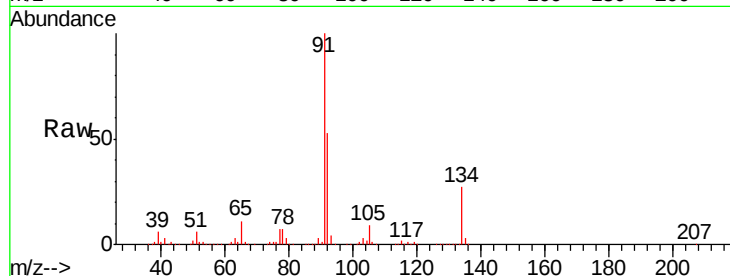
Tgt Ion: 91 Resp: 289970

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.7

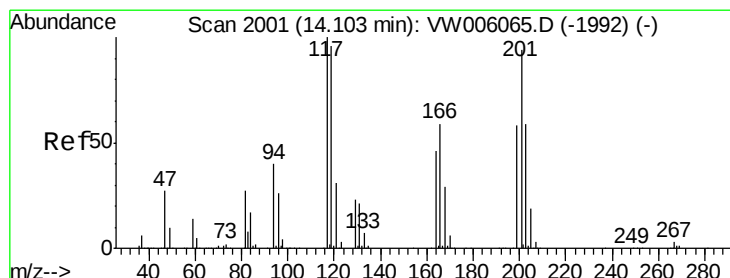
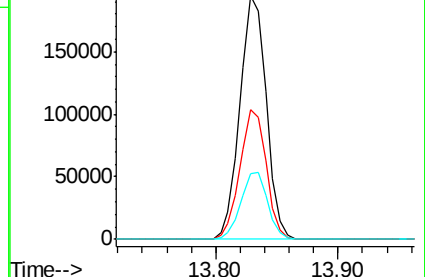
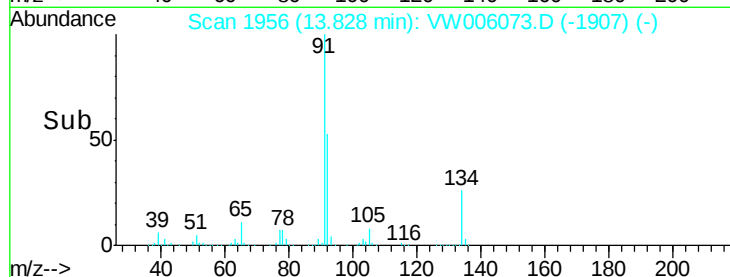
134 27.8 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.50 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006073.D

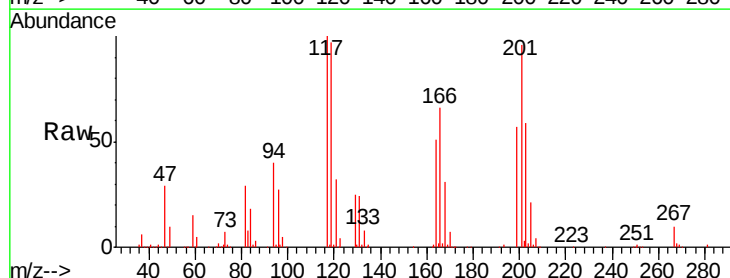
Acq: 16 Oct 2018 12:52

Tgt Ion: 117 Resp: 51723

Ion Ratio Lower Upper

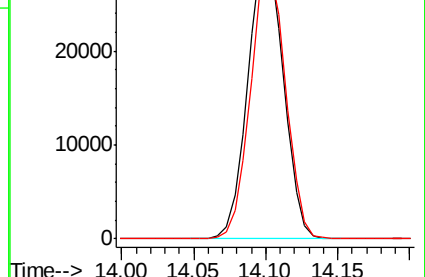
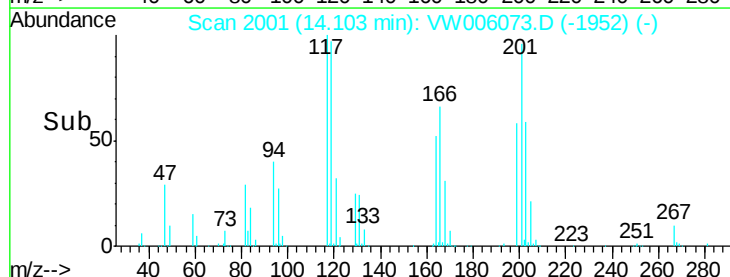
117 100

201 93.4 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.51 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

Instrument :

MSVOA_W

ClientSampled :

VW1016SBS01

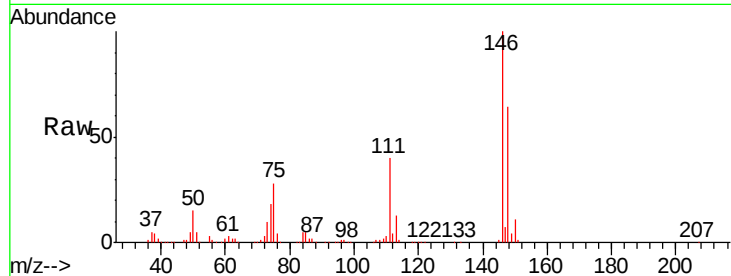
Tgt Ion:146 Resp: 137828

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

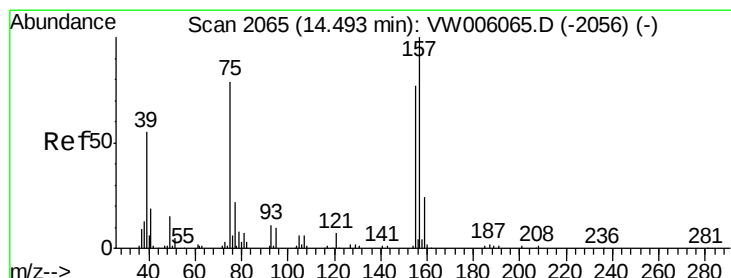
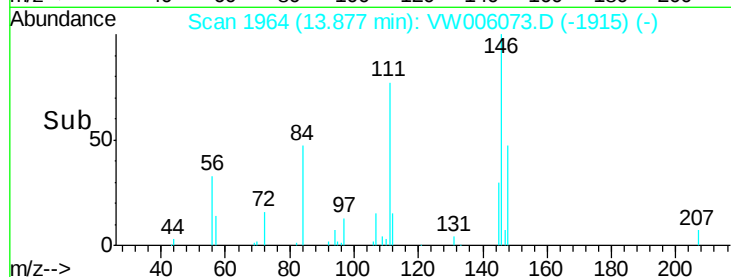
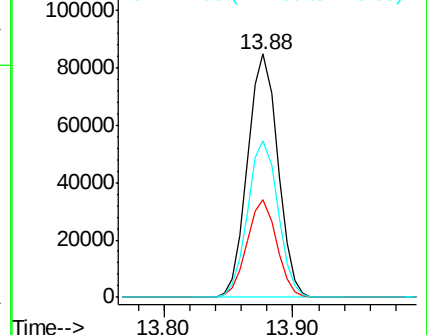
148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.34 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006073.D

Acq: 16 Oct 2018 12:52

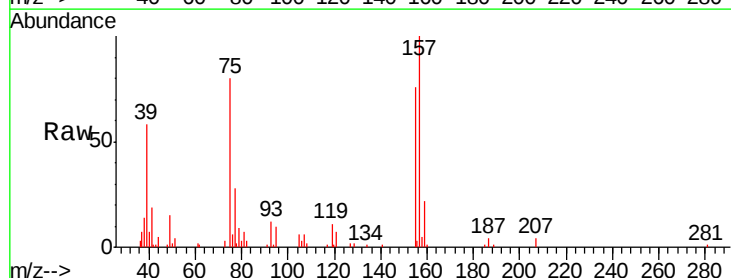
Tgt Ion: 75 Resp: 7718

Ion Ratio Lower Upper

75 100

155 93.7 46.5 139.5

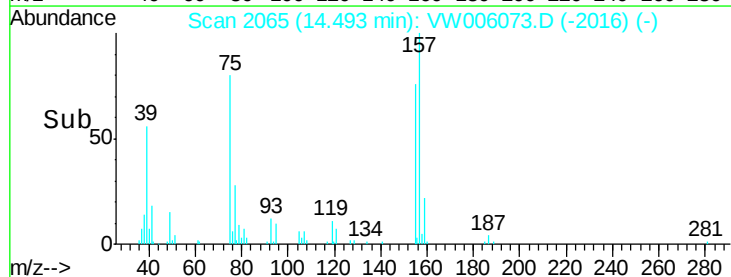
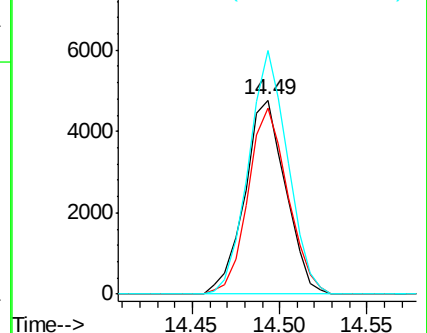
157 120.6 59.8 179.4

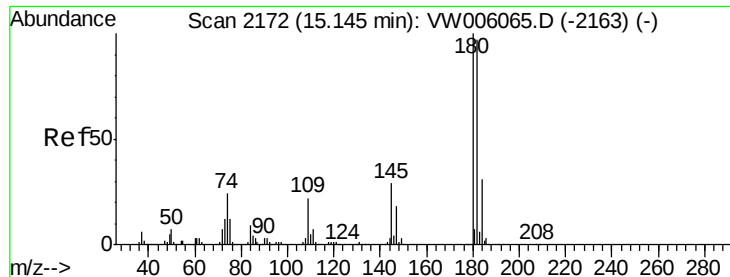


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

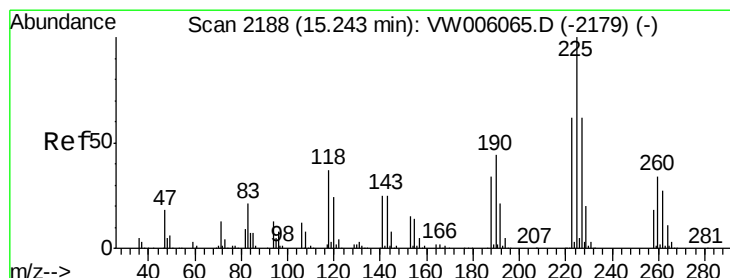
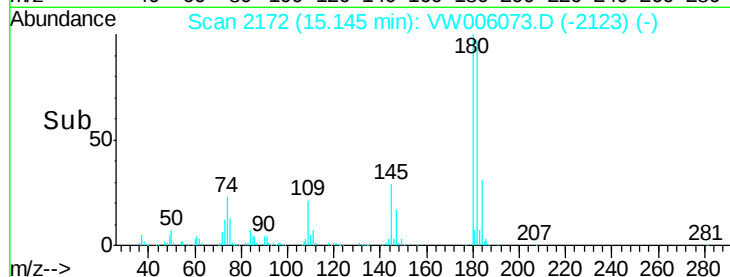
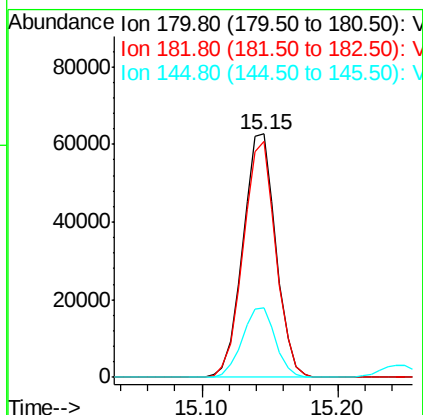
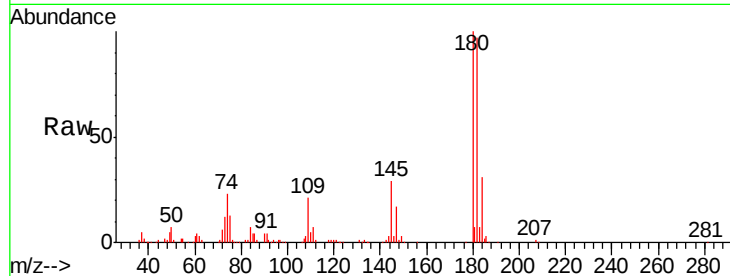




#93
 1,2,4-Trichlorobenzene
 Concen: 20.51 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

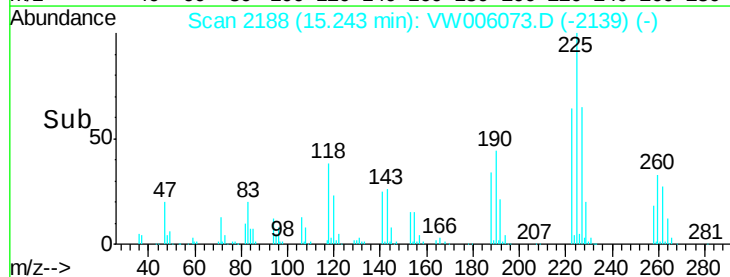
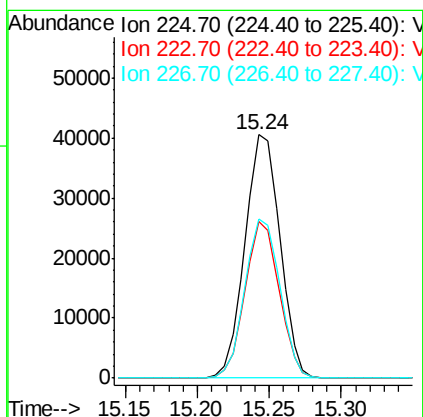
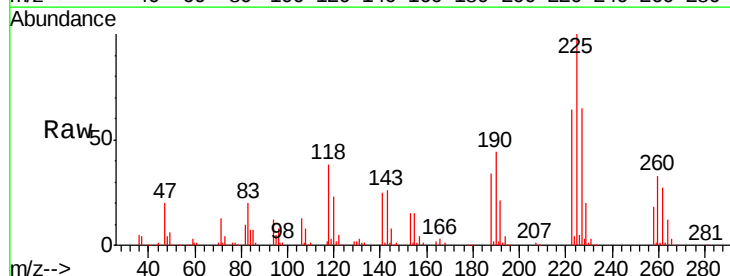
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

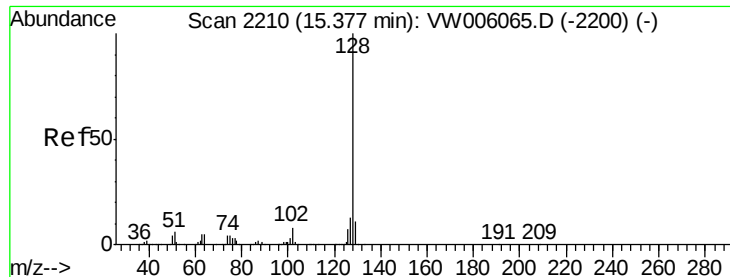
Tgt Ion:180 Resp: 106031
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.6
 145 28.9 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.05 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006073.D
 Acq: 16 Oct 2018 12:52

Tgt Ion:225 Resp: 68365
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.5
 227 65.4 32.4 97.0

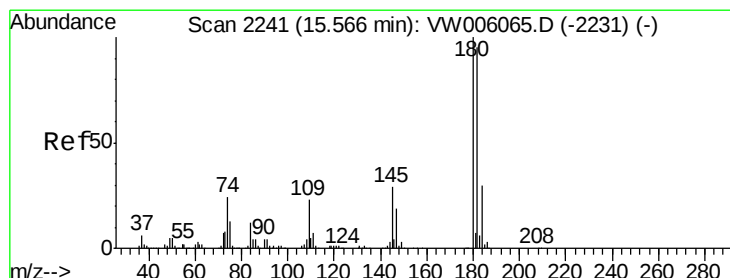
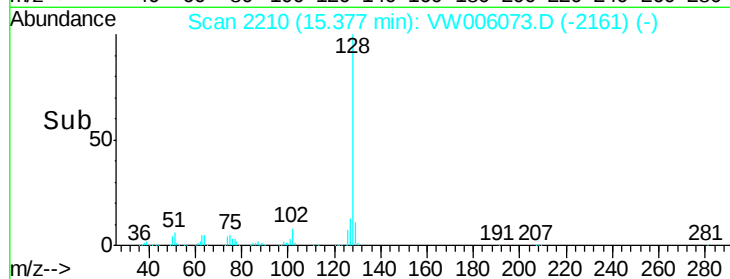
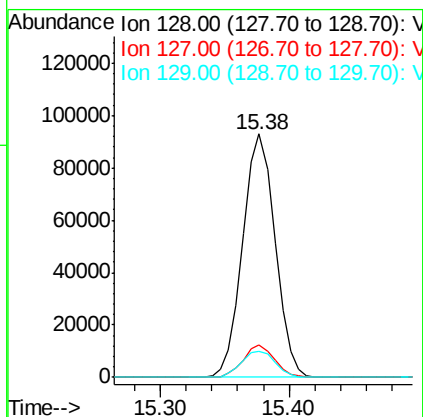
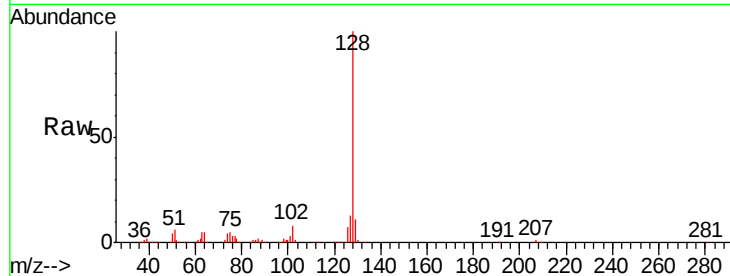




#95
Naphthalene
Concen: 18.80 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

Tgt Ion:128 Resp: 161732
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.90 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006073.D
Acq: 16 Oct 2018 12:52

Tgt Ion:180 Resp: 88991
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 30.4 15.0 45.1

