

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006521.D
 Acq On : 31 Oct 2018 13:09
 Operator : SY/AP
 Sample : VW1101SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Quant Time: Oct 31 13:33:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	305735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	157897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	78681	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
35) Dibromofluoromethane	7.88	113	88014	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.33	98	322531	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.62	95	120927	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	16964	15.50	ug/l	95
3) Chloromethane	2.21	50	26297	18.67	ug/l	98
4) Vinyl Chloride	2.37	62	39820	19.79	ug/l	97
5) Bromomethane	2.79	94	35915	19.63	ug/l	93
6) Chloroethane	2.93	64	29719	20.61	ug/l	96
7) Trichlorofluoromethane	3.26	101	39085	20.86	ug/l	98
8) Diethyl Ether	3.68	74	19500	19.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42488	21.63	ug/l	98
10) Methyl Iodide	4.26	142	68868	21.07	ug/l	99
11) Tert butyl alcohol	5.21	59	10139	82.23	ug/l	100
12) 1,1-Dichloroethene	4.03	96	39235	21.23	ug/l	95
13) Acrolein	3.90	56	10414	87.28	ug/l	97
14) Allyl chloride	4.67	41	50938	19.28	ug/l	98
15) Acrylonitrile	5.37	53	34453	96.44	ug/l	99
16) Acetone	4.14	43	42387	115.25	ug/l	98
17) Carbon Disulfide	4.37	76	100248	17.98	ug/l	97
18) Methyl Acetate	4.68	43	17703	19.19	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	54749	19.45	ug/l	100
20) Methylene Chloride	4.91	84	45245	22.42	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	44080	21.37	ug/l	94
22) Diisopropyl ether	6.32	45	106224	20.35	ug/l	98
23) Vinyl Acetate	6.26	43	278609	90.42	ug/l	97
24) 1,1-Dichloroethane	6.22	63	72378	21.48	ug/l	99
25) 2-Butanone	7.18	43	49498	99.94	ug/l	97
26) 2,2-Dichloropropane	7.17	77	51434	21.65	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50398	22.14	ug/l	98
28) Bromochloromethane	7.51	49	23943	18.41	ug/l	91
29) Tetrahydrofuran	7.54	42	26667	87.59	ug/l	98
30) Chloroform	7.68	83	81819	22.29	ug/l	98
31) Cyclohexane	7.96	56	66046	19.69	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	72788	21.98	ug/l	99
36) 1,1-Dichloropropene	8.09	75	62794	22.28	ug/l	99
37) Ethyl Acetate	7.26	43	19686	18.80	ug/l	98
38) Carbon Tetrachloride	8.07	117	68436	22.15	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006521.D
 Acq On : 31 Oct 2018 13:09
 Operator : SY/AP
 Sample : VW1101SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Quant Time: Oct 31 13:33:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80764	21.56	ug/l	98
40) Benzene	8.32	78	176217	22.80	ug/l	100
41) Methacrylonitrile	7.49	41	11150	17.67	ug/l	91
42) 1,2-Dichloroethane	8.40	62	48268	21.25	ug/l	98
43) Isopropyl Acetate	8.43	43	38522	17.99	ug/l	96
44) Trichloroethene	9.09	130	54328	22.91	ug/l	100
45) 1,2-Dichloropropane	9.37	63	41307	22.33	ug/l	98
46) Dibromomethane	9.46	93	22719	21.55	ug/l	95
47) Bromodichloromethane	9.65	83	55646	21.77	ug/l	99
48) Methyl methacrylate	9.44	41	18411	18.14	ug/l	92
49) 1,4-Dioxane	9.47	88	6116	376.83	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	98252	91.60	ug/l	99
52) Toluene	10.39	92	117973	22.76	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	51971	20.41	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	62035	21.22	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32766	22.21	ug/l	98
56) Ethyl methacrylate	10.65	69	34666	19.17	ug/l	91
57) 1,3-Dichloropropane	10.93	76	52956	21.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	65528	94.82	ug/l	97
59) 2-Hexanone	10.98	43	74643	97.49	ug/l	98
60) Dibromochloromethane	11.13	129	38090	20.73	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31609	21.44	ug/l	100
64) Tetrachloroethene	10.87	164	49201	22.61	ug/l	97
65) Chlorobenzene	11.66	112	138204	23.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	48005	22.51	ug/l	99
67) Ethyl Benzene	11.74	91	235982	22.69	ug/l	100
68) m/p-Xylenes	11.84	106	186384	45.34	ug/l	99
69) o-Xylene	12.17	106	87379	22.30	ug/l	96
70) Styrene	12.19	104	141042	22.14	ug/l	99
71) Bromoform	12.35	173	23325	19.61	ug/l #	99
73) Isopropylbenzene	12.47	105	249198	22.34	ug/l	100
74) N-amyl acetate	12.28	43	37103	17.12	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	35849	21.13	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44755	37.11	ug/l #	100
77) Bromobenzene	12.75	156	61574	22.54	ug/l	97
78) n-propylbenzene	12.81	91	293569	22.62	ug/l	100
79) 2-Chlorotoluene	12.90	91	162022	22.22	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	210211	22.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9059	17.96	ug/l	98
82) 4-Chlorotoluene	12.99	91	173072	22.66	ug/l	99
83) tert-Butylbenzene	13.21	119	187583	22.30	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	214157	22.51	ug/l	99
85) sec-Butylbenzene	13.39	105	271465	22.84	ug/l	100
86) p-Isopropyltoluene	13.51	119	243171	22.62	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	125165	23.02	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	122797	22.68	ug/l	99
89) n-Butylbenzene	13.83	91	223290	22.71	ug/l	99
90) Hexachloroethane	14.10	117	38587	21.19	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	109692	22.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5562	18.31	ug/l	98

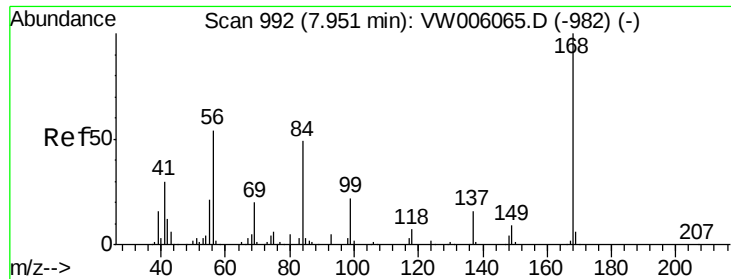
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
Data File : VW006521.D
Acq On : 31 Oct 2018 13:09
Operator : SY/AP
Sample : VW1101SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Quant Time: Oct 31 13:33:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	83018	22.24	ug/l	99
94) Hexachlorobutadiene	15.24	225	55245	23.56	ug/l	100
95) Naphthalene	15.38	128	117253	18.89	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	70160	21.73	ug/l	99

(#) = 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: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

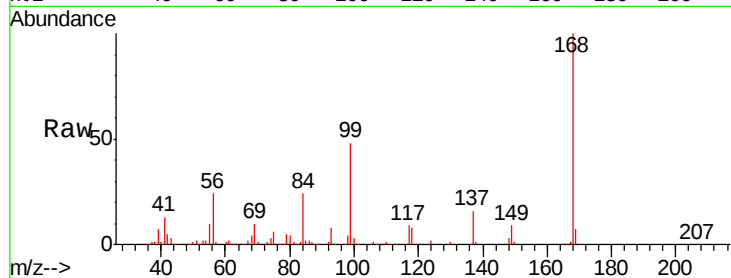
VW1101SBS01

Tgt Ion:168 Resp: 221146

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

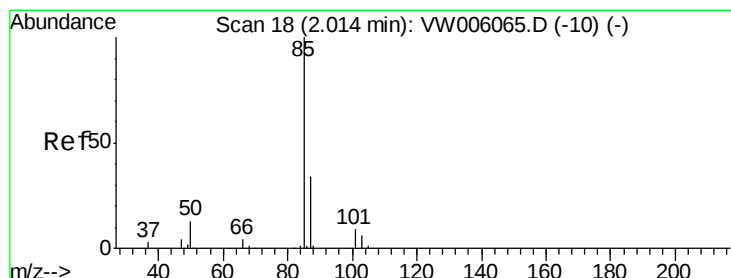
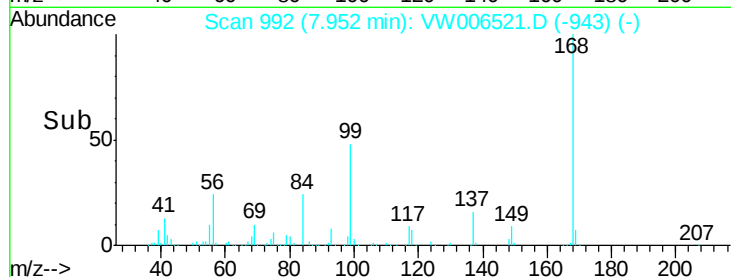
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 15.50 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006521.D

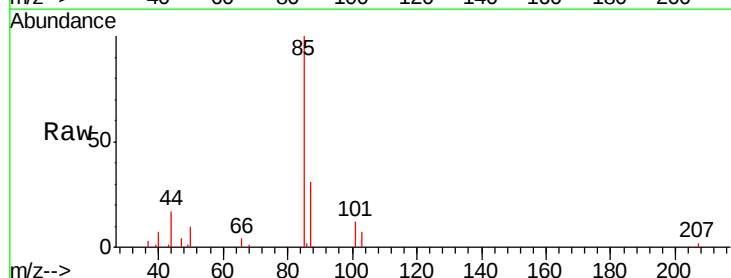
Acq: 31 Oct 2018 13:09

Tgt Ion: 85 Resp: 16964

Ion Ratio Lower Upper

85 100

87 31.0 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

5000

4000

3000

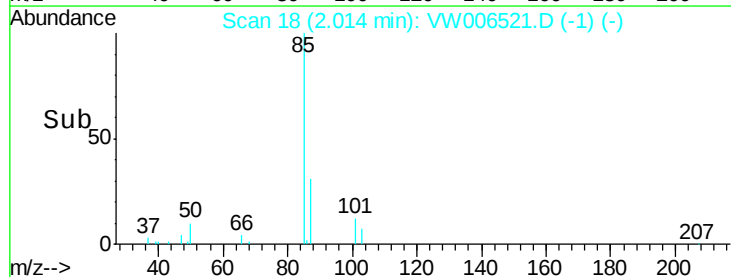
2000

1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 18.67 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

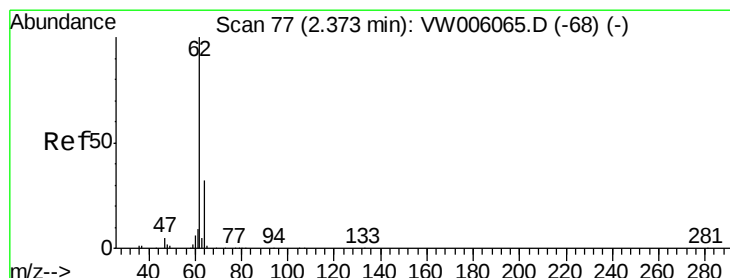
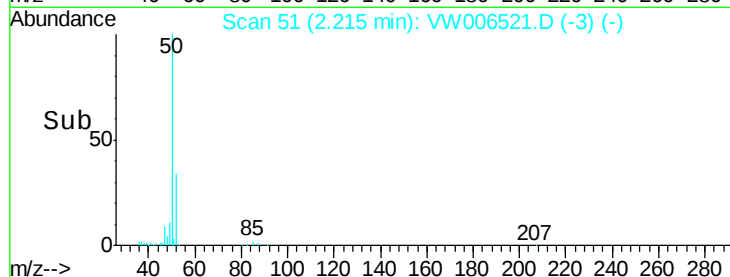
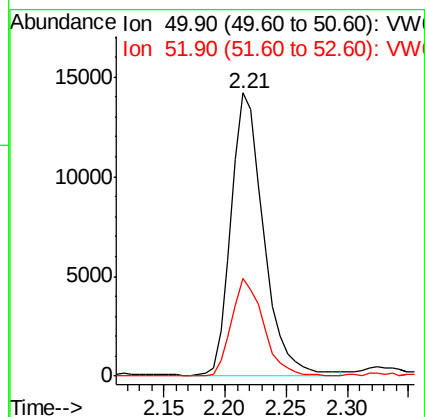
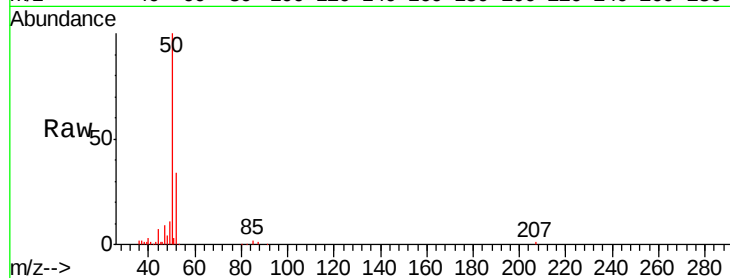
VW1101SBS01

Tgt Ion: 50 Resp: 26297

Ion Ratio Lower Upper

50 100

52 34.5 26.8 40.2



#4

Vinyl Chloride

Concen: 19.79 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006521.D

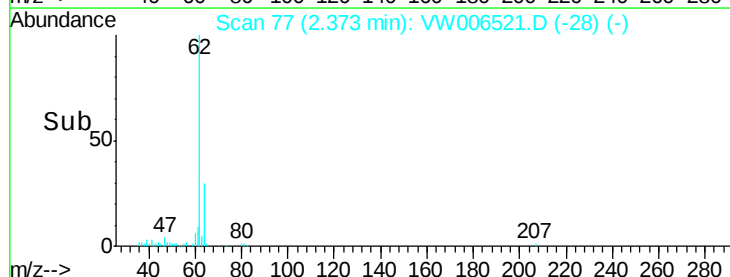
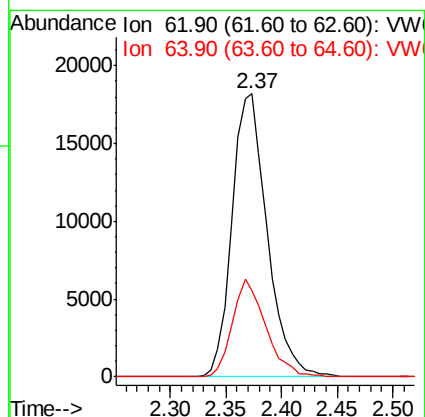
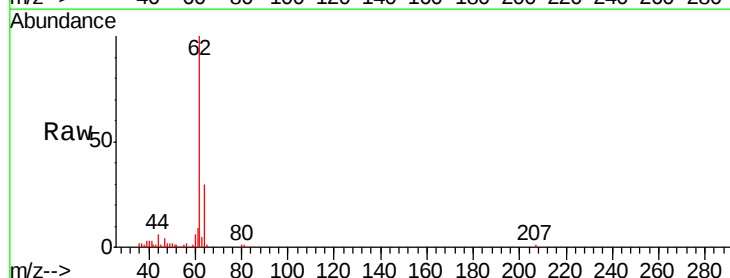
Acq: 31 Oct 2018 13:09

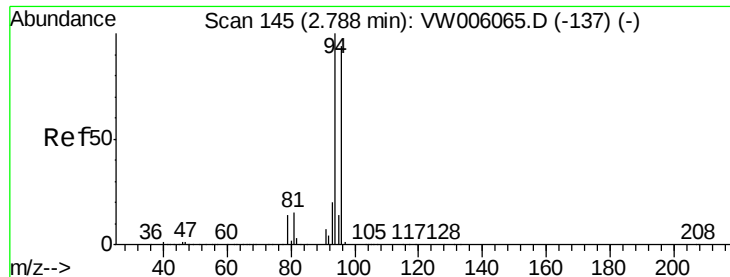
Tgt Ion: 62 Resp: 39820

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9





#5

Bromomethane

Concen: 19.63 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

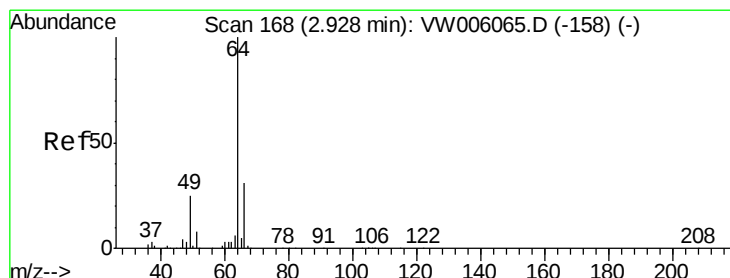
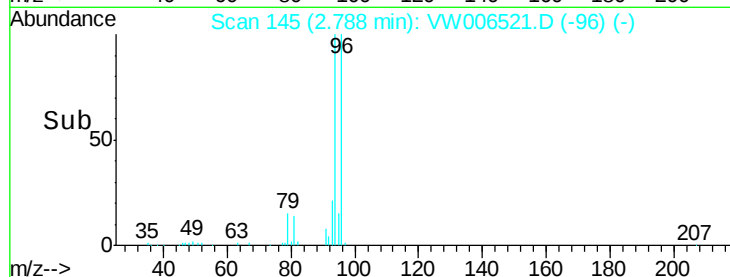
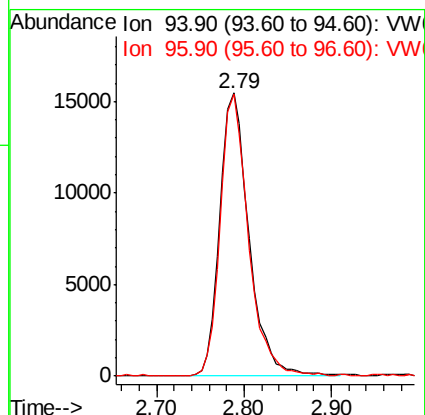
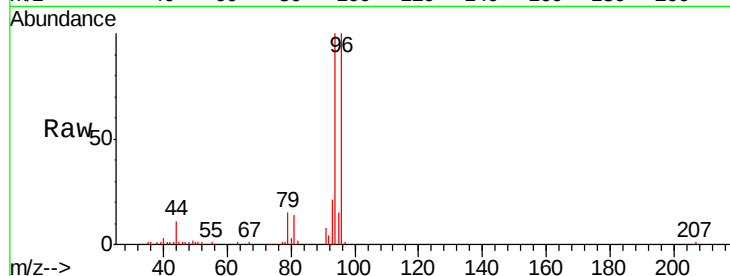
VW1101SBS01

Tgt Ion: 94 Resp: 35915

Ion Ratio Lower Upper

94 100

96 99.9 74.9 112.3



#6

Chloroethane

Concen: 20.61 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006521.D

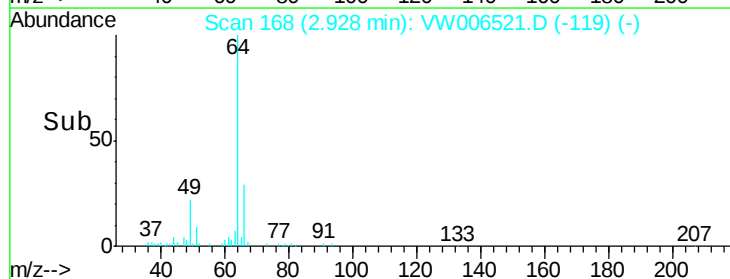
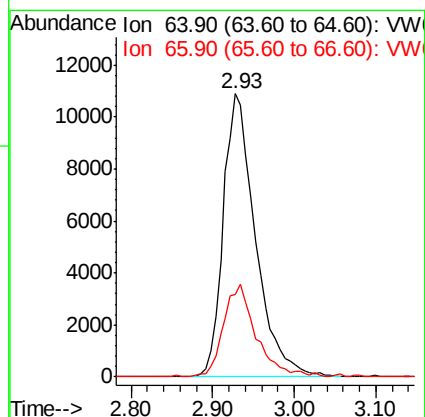
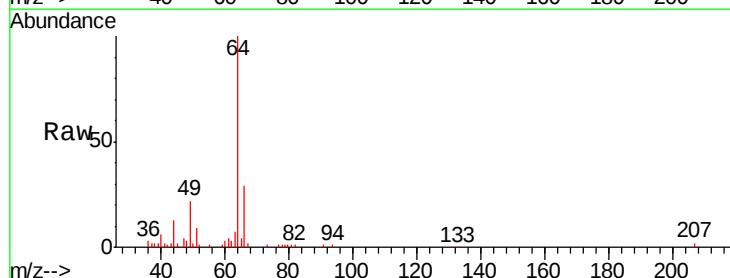
Acq: 31 Oct 2018 13:09

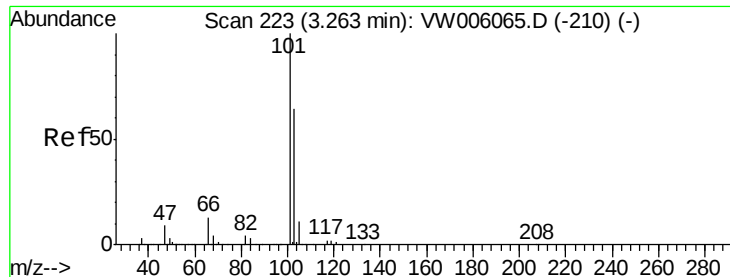
Tgt Ion: 64 Resp: 29719

Ion Ratio Lower Upper

64 100

66 29.1 24.9 37.3





#7

Trichlorofluoromethane

Concen: 20.86 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

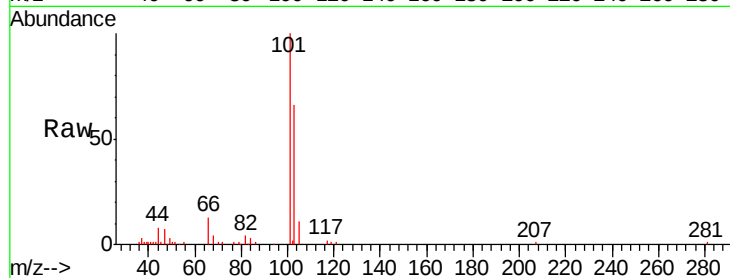
VW1101SBS01

Tgt Ion:101 Resp: 39085

Ion Ratio Lower Upper

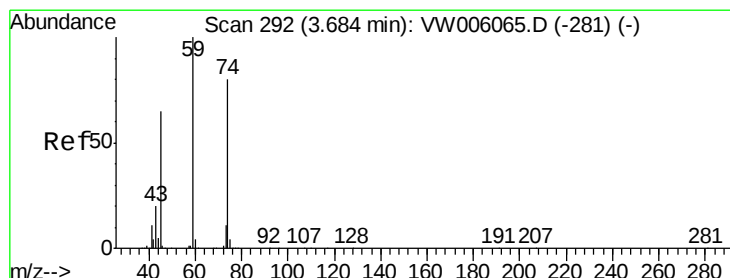
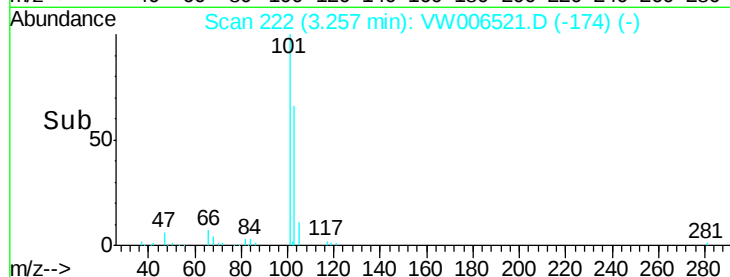
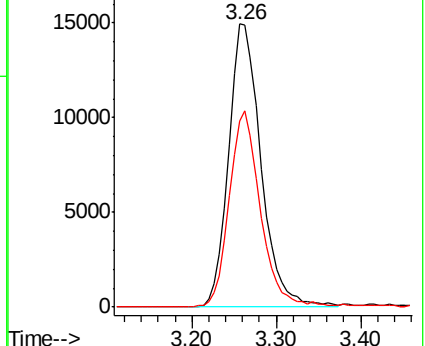
101 100

103 65.6 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: 19.58 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006521.D

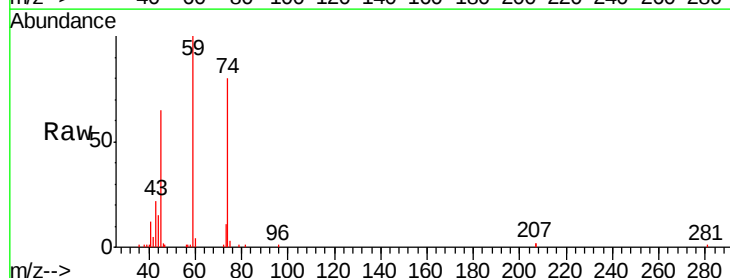
Acq: 31 Oct 2018 13:09

Tgt Ion: 74 Resp: 19500

Ion Ratio Lower Upper

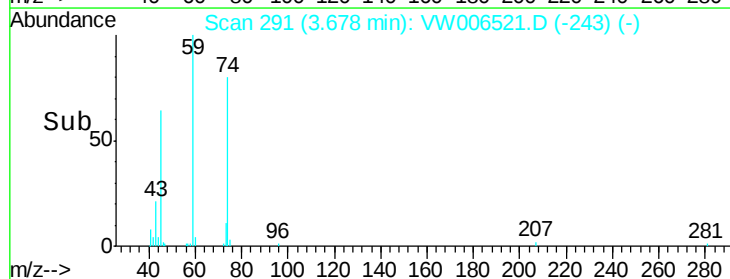
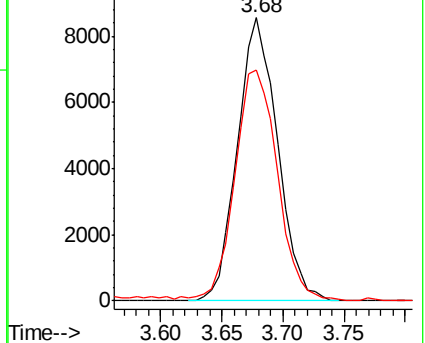
74 100

45 87.0 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: 21.63 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

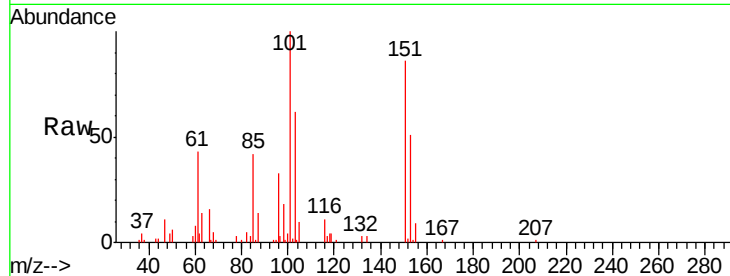
Tgt Ion:101 Resp: 42488

Ion Ratio Lower Upper

101 100

85 44.3 34.9 52.3

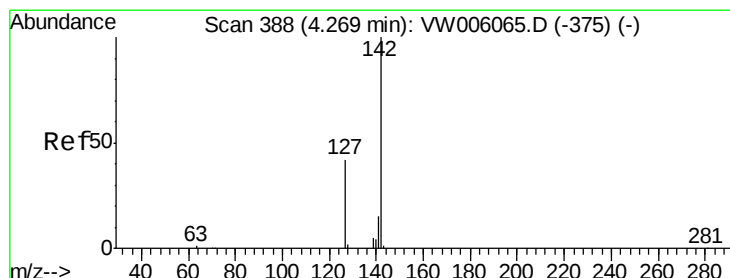
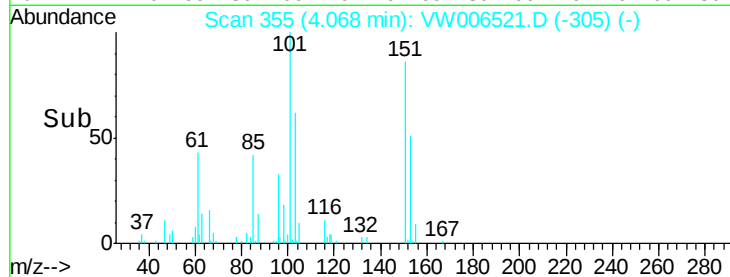
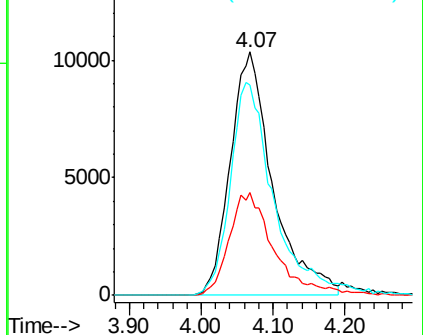
151 90.5 70.4 105.6



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: 21.07 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

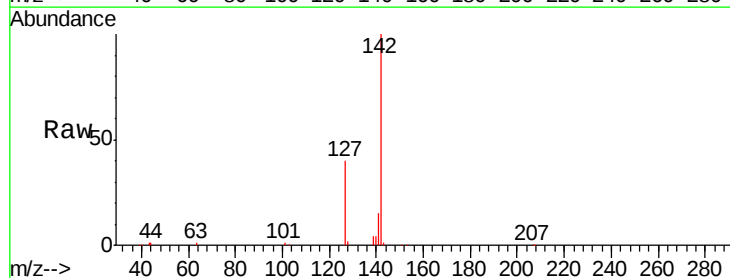
Tgt Ion:142 Resp: 68868

Ion Ratio Lower Upper

142 100

127 41.0 33.6 50.4

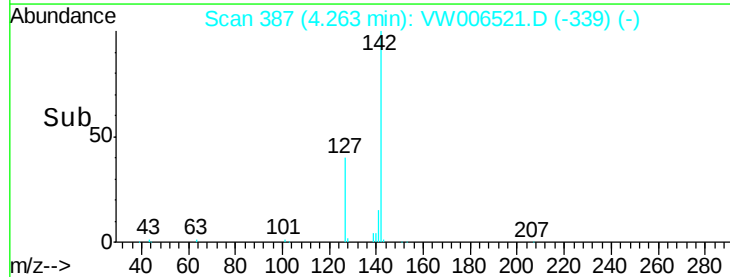
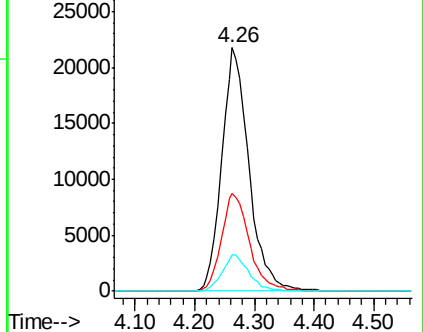
141 14.6 11.6 17.4

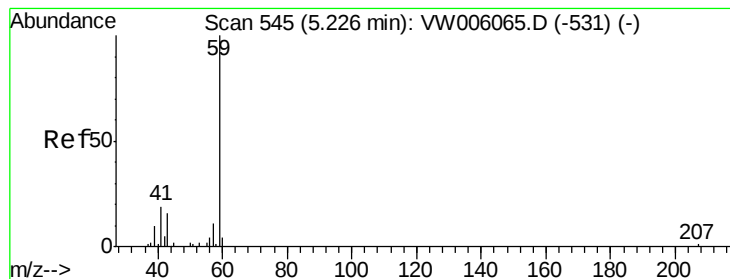


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 82.23 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

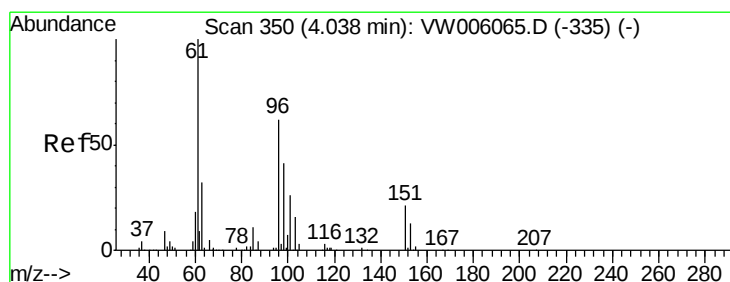
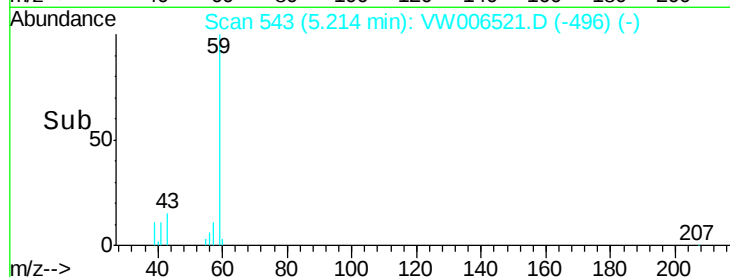
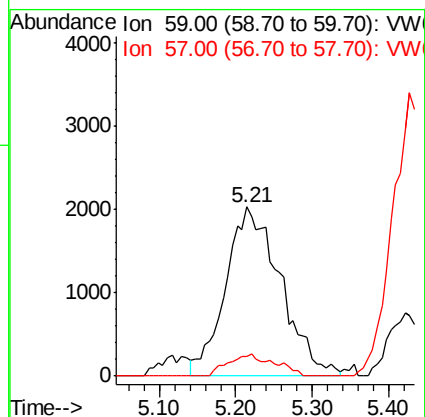
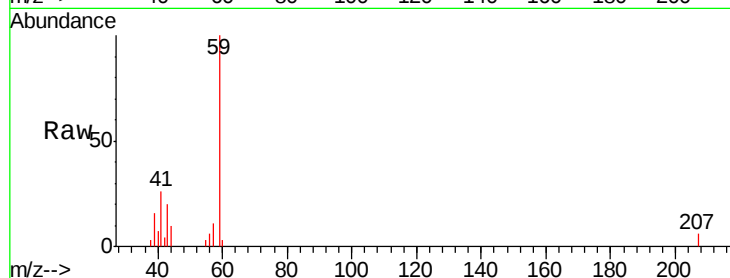
VW1101SBS01

Tgt Ion: 59 Resp: 10139

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#12

1,1-Dichloroethene

Concen: 21.23 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

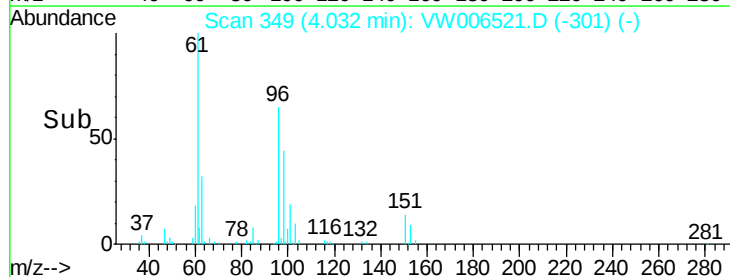
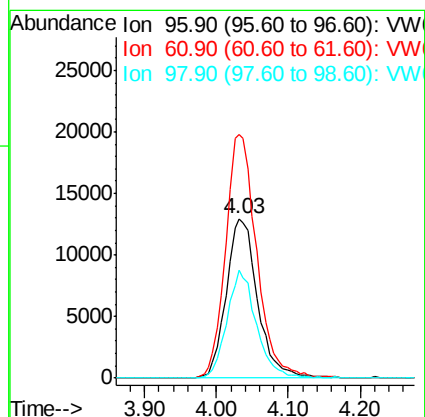
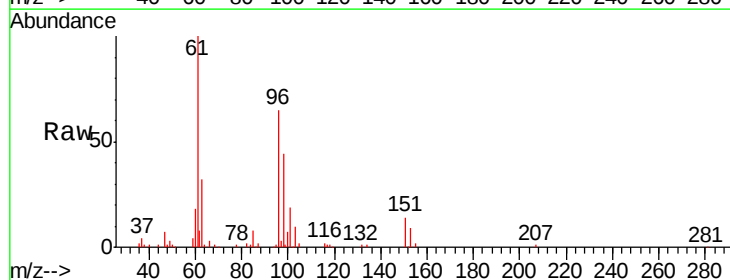
Tgt Ion: 96 Resp: 39235

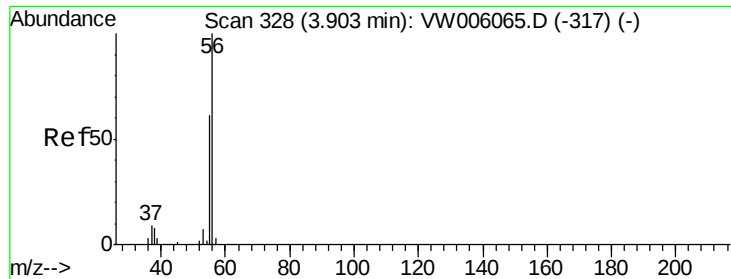
Ion Ratio Lower Upper

96 100

61 152.7 129.3 193.9

98 67.5 53.1 79.7





#13

Acrolein

Concen: 87.28 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

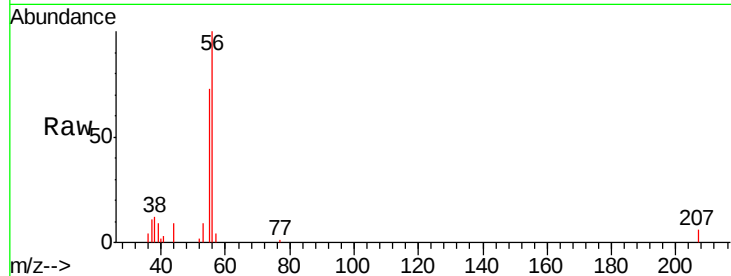
VW1101SBS01

Tgt Ion: 56 Resp: 10414

Ion Ratio Lower Upper

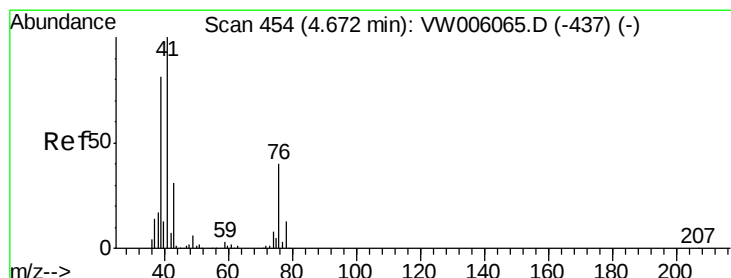
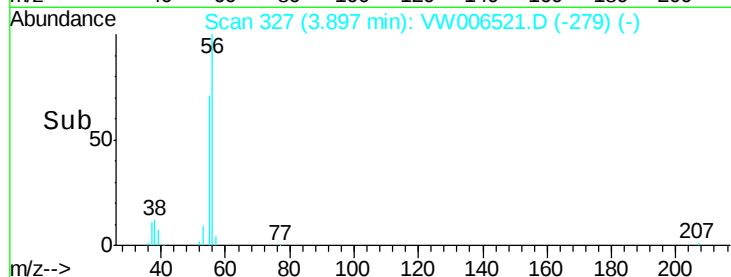
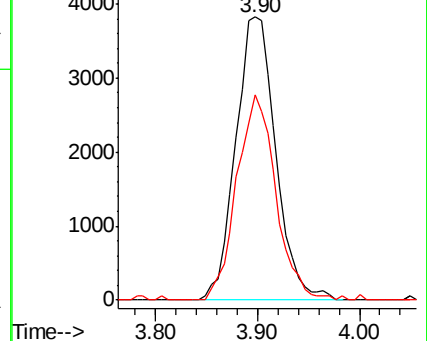
56 100

55 70.9 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.28 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

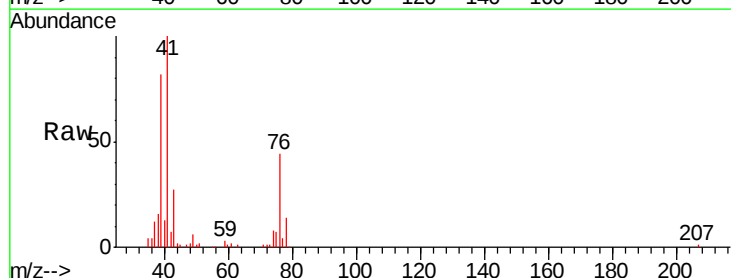
Tgt Ion: 41 Resp: 50938

Ion Ratio Lower Upper

41 100

39 81.3 64.1 96.1

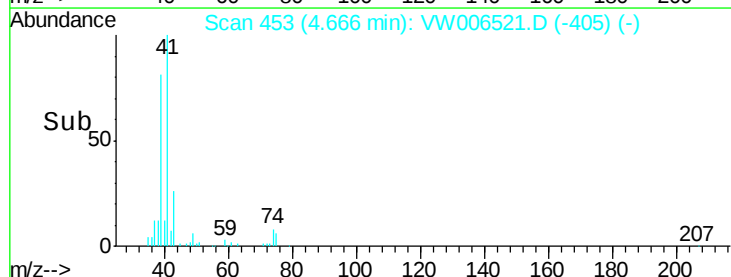
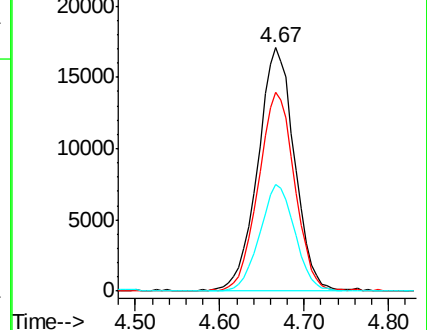
76 42.1 32.2 48.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 96.44 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

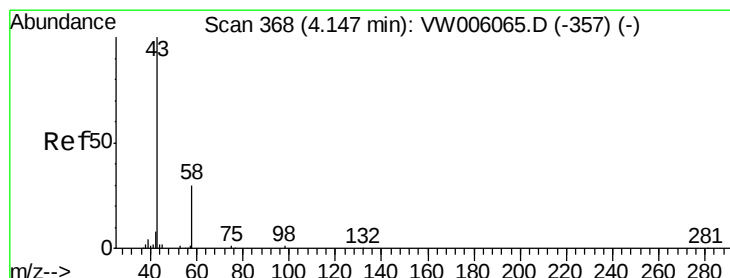
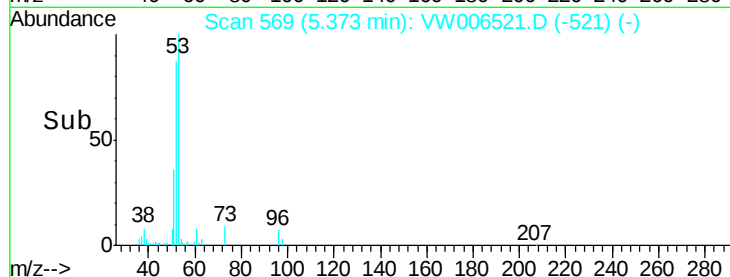
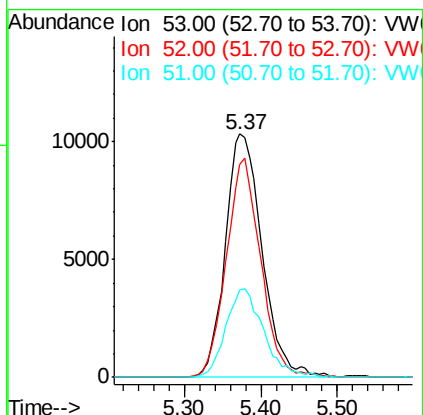
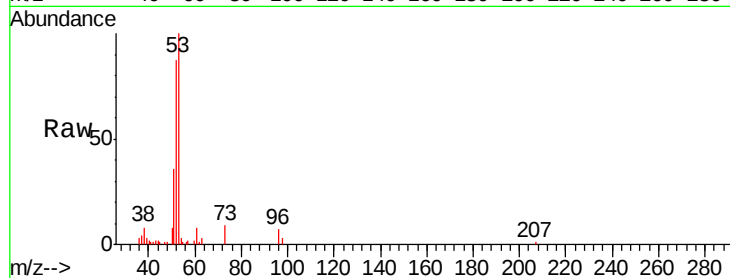
Tgt Ion: 53 Resp: 34453

Ion Ratio Lower Upper

53 100

52 84.1 66.9 100.3

51 37.3 30.1 45.1



#16

Acetone

Concen: 115.25 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006521.D

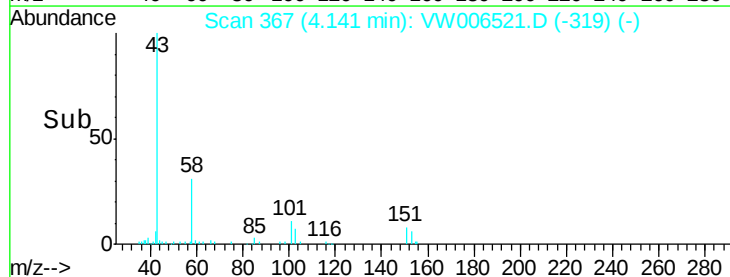
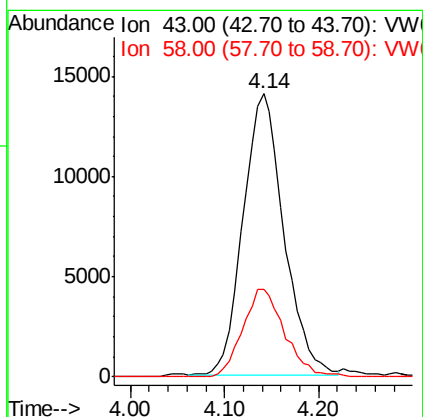
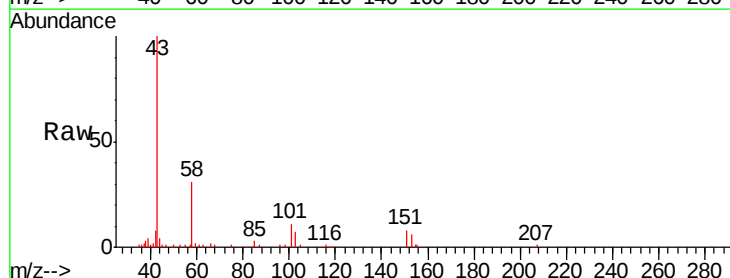
Acq: 31 Oct 2018 13:09

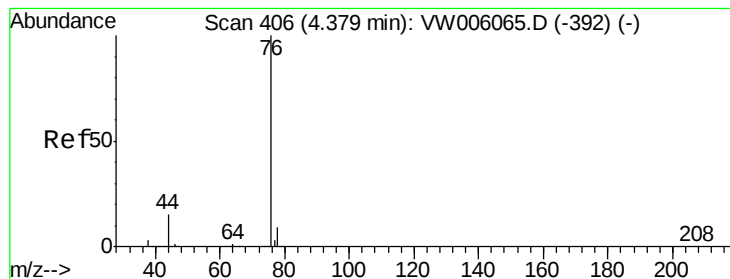
Tgt Ion: 43 Resp: 42387

Ion Ratio Lower Upper

43 100

58 31.0 24.0 36.0





#17

Carbon Disulfide

Concen: 17.98 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

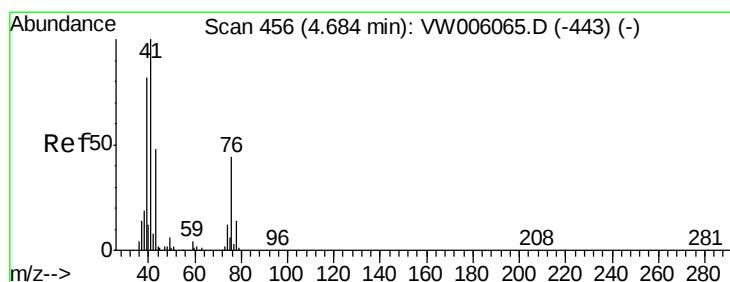
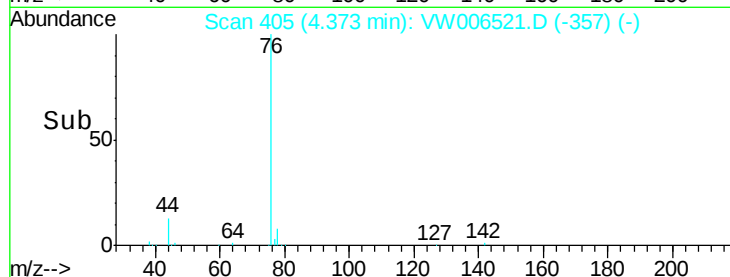
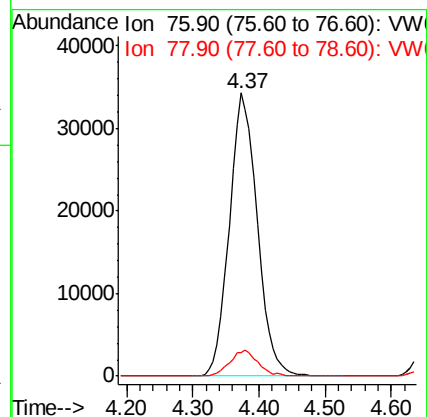
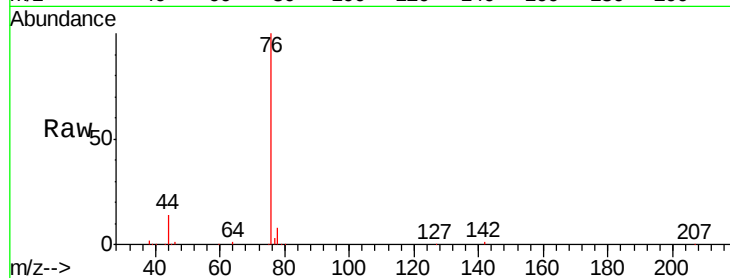
VW1101SBS01

Tgt Ion: 76 Resp: 100248

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3



#18

Methyl Acetate

Concen: 19.19 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006521.D

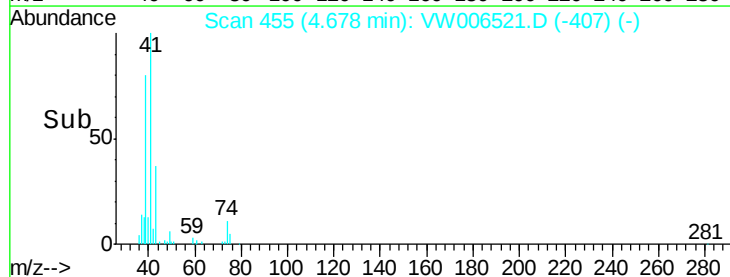
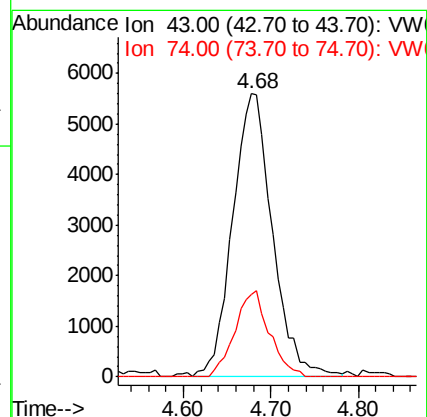
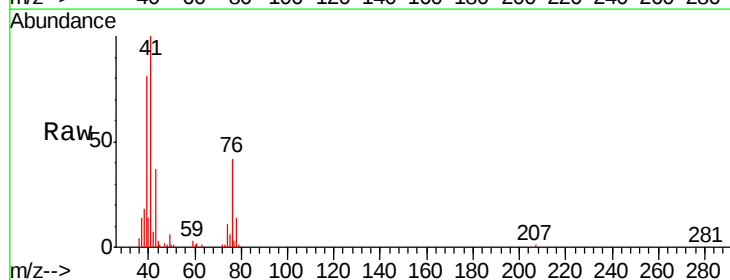
Acq: 31 Oct 2018 13:09

Tgt Ion: 43 Resp: 17703

Ion Ratio Lower Upper

43 100

74 26.5 20.5 30.7

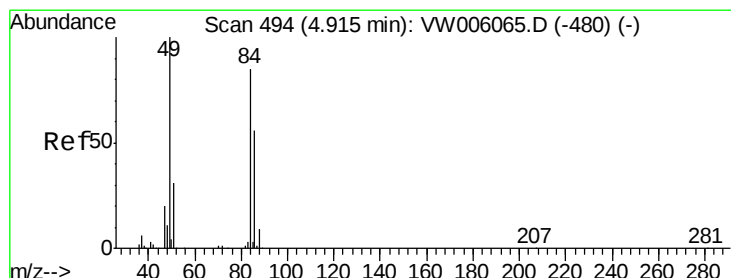
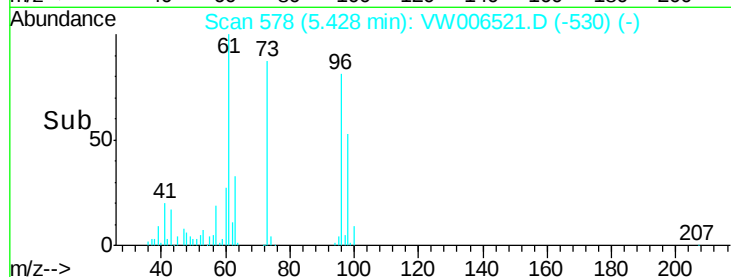
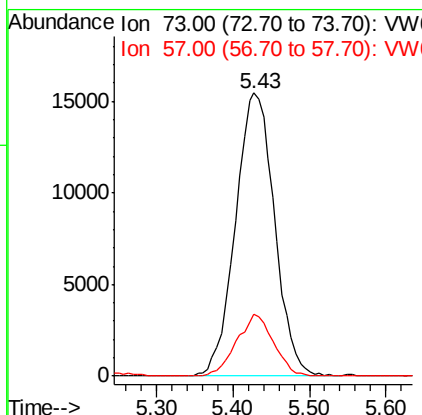
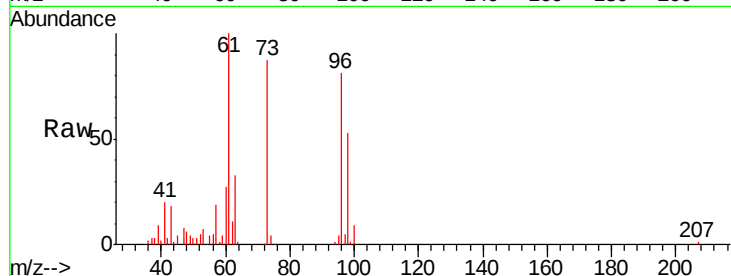




#19
Methyl tert-butyl Ether
Concen: 19.45 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

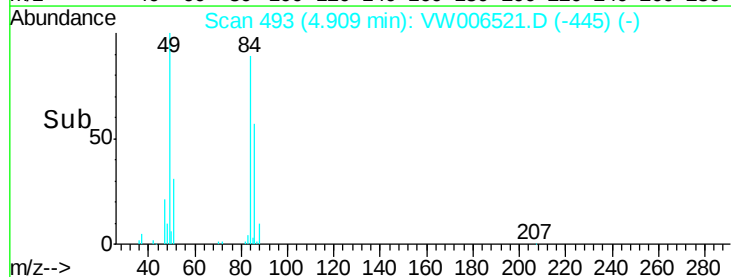
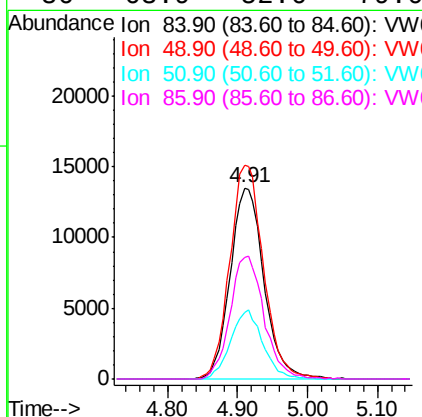
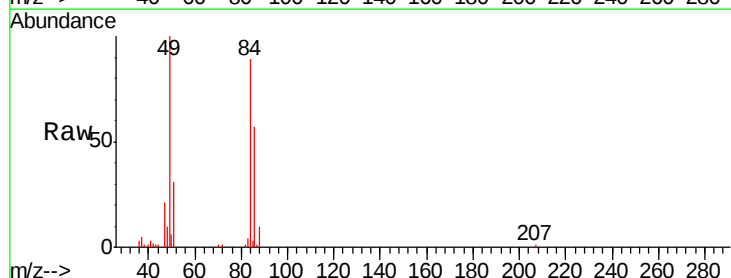
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

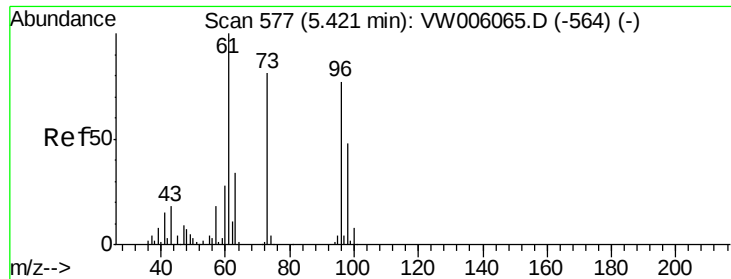
Tgt Ion: 73 Resp: 54749
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2



#20
Methylene Chloride
Concen: 22.42 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion: 84 Resp: 45245
Ion Ratio Lower Upper
84 100
49 111.8 93.6 140.4
51 34.9 29.0 43.4
86 63.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.37 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

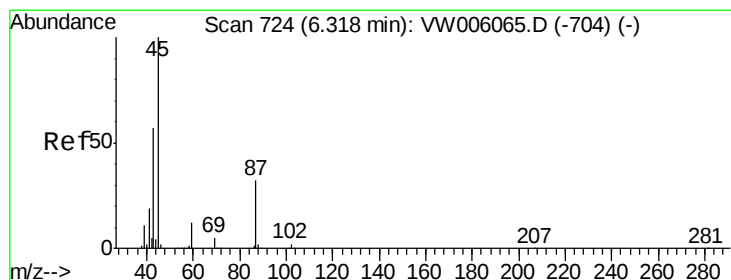
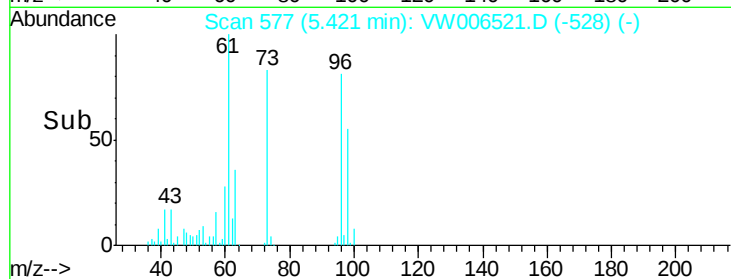
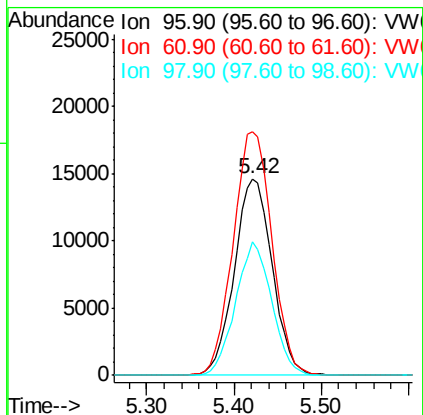
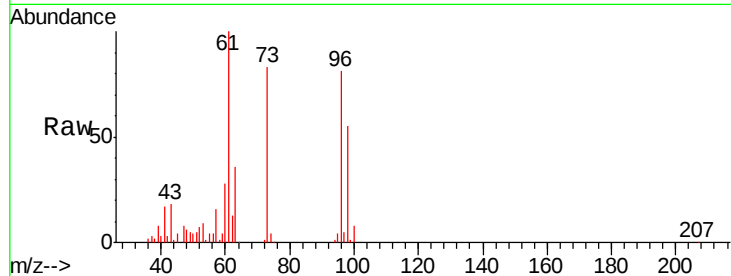
Tgt Ion: 96 Resp: 44080

Ion Ratio Lower Upper

96 100

61 123.8 104.5 156.7

98 68.1 50.6 75.8



#22

Diisopropyl ether

Concen: 20.35 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Tgt Ion: 45 Resp: 106224

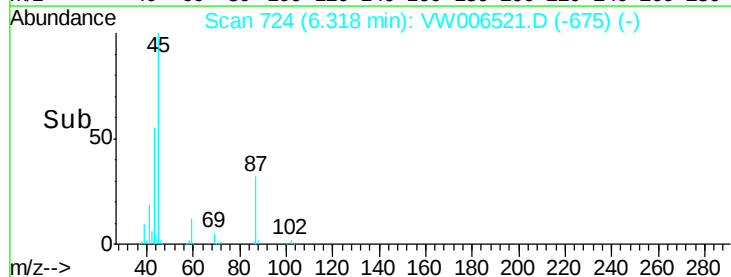
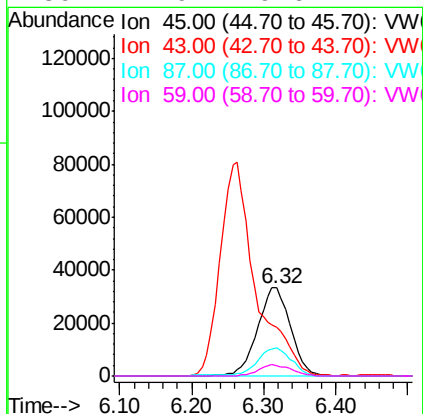
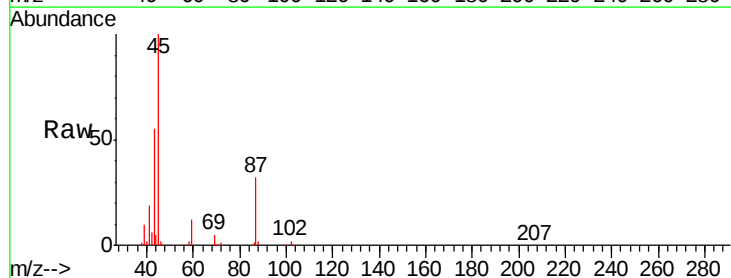
Ion Ratio Lower Upper

45 100

43 55.0 45.7 68.5

87 32.4 25.9 38.9

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 90.42 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

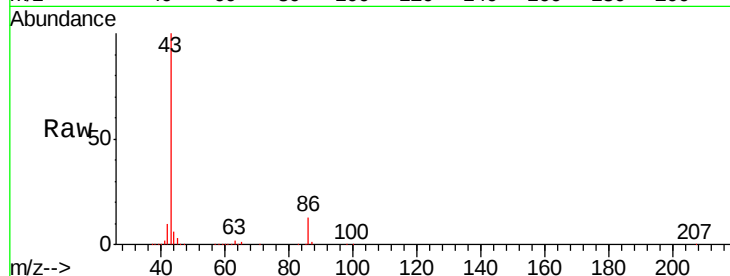
VW1101SBS01

Tgt Ion: 43 Resp: 278609

Ion Ratio Lower Upper

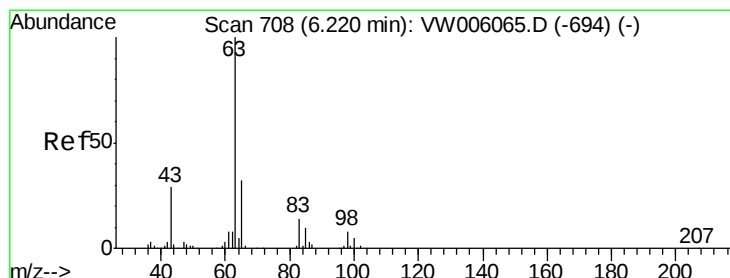
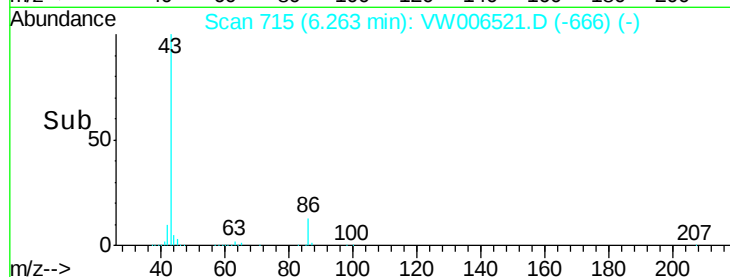
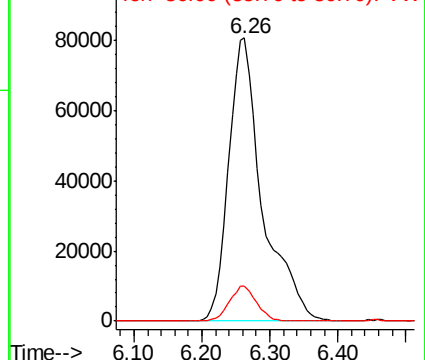
43 100

86 12.6 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: 21.48 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

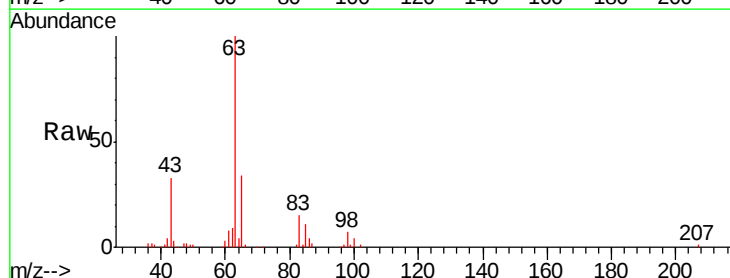
Tgt Ion: 63 Resp: 72378

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

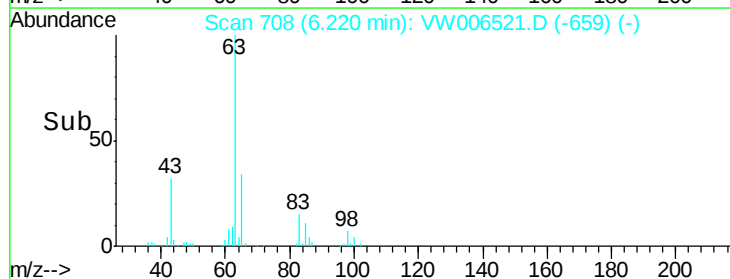
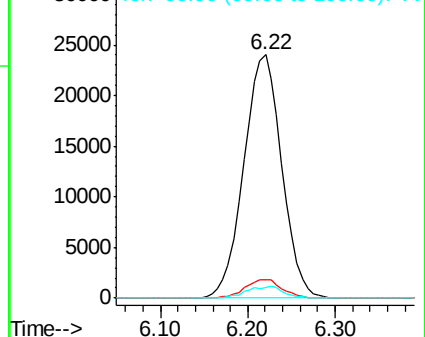
100 4.5 2.5 7.5

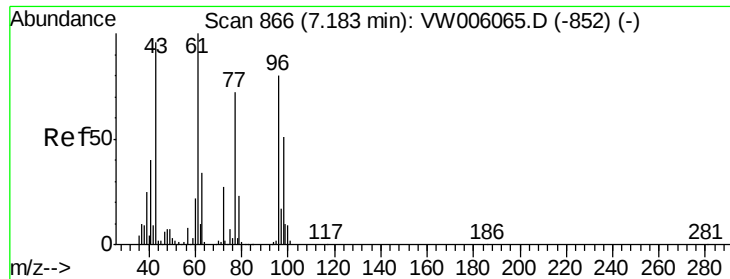


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 99.94 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

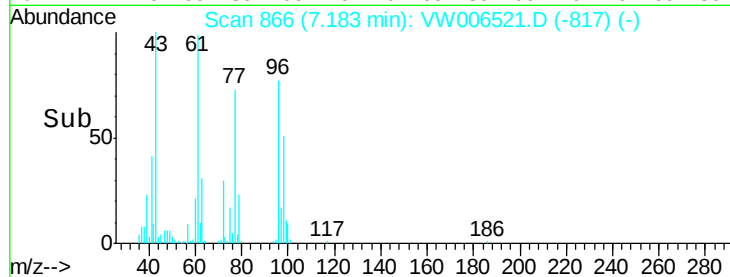
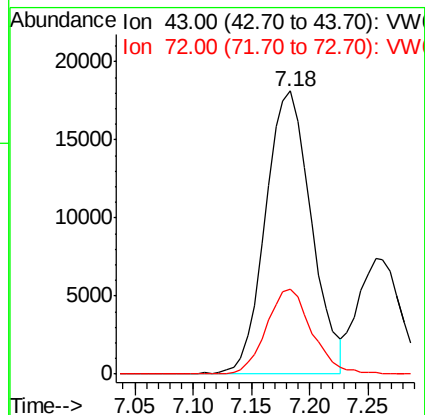
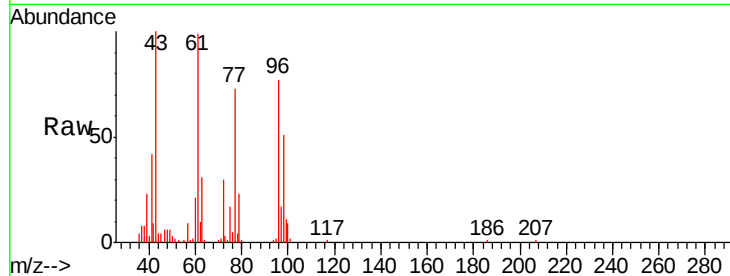
VW1101SBS01

Tgt Ion: 43 Resp: 49498

Ion Ratio Lower Upper

43 100

72 29.8 22.8 34.2



#26

2,2-Dichloropropane

Concen: 21.65 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006521.D

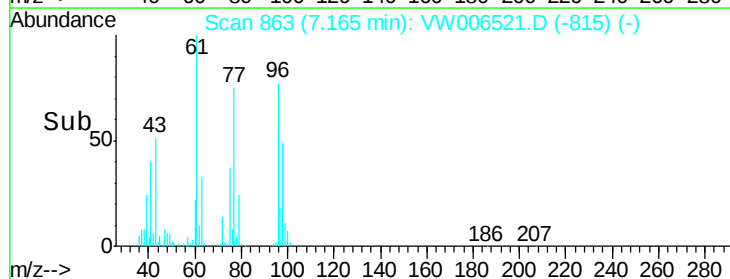
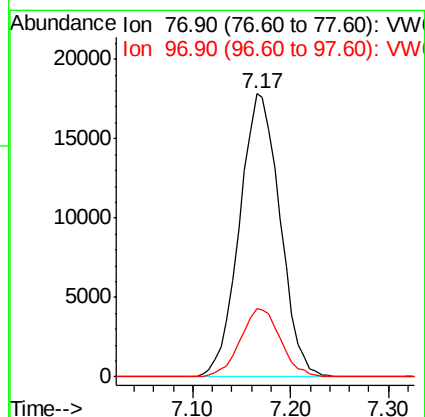
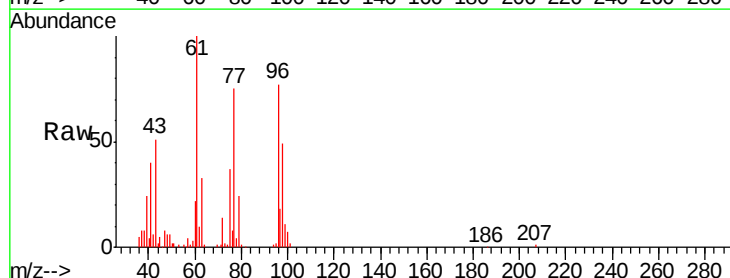
Acq: 31 Oct 2018 13:09

Tgt Ion: 77 Resp: 51434

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.4



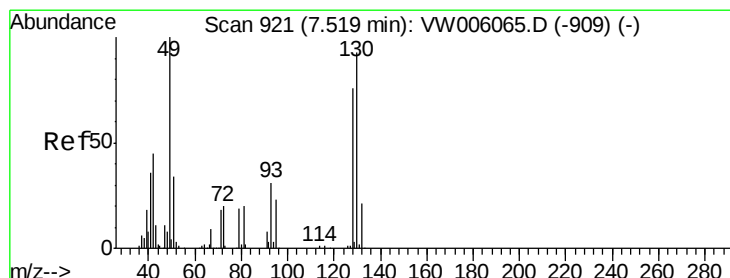
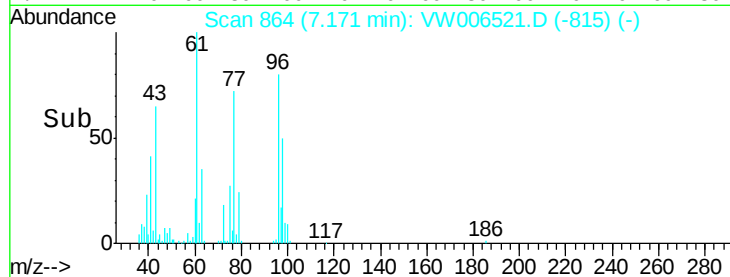
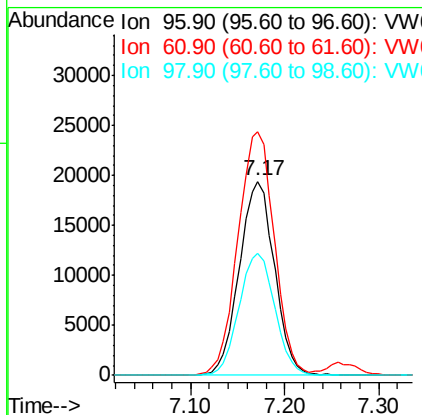
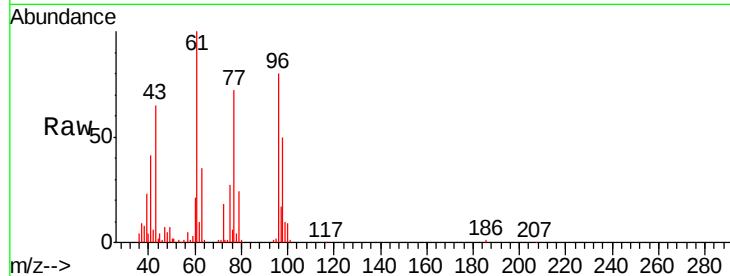


#27

cis-1,2-Dichloroethene
 Concen: 22.14 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

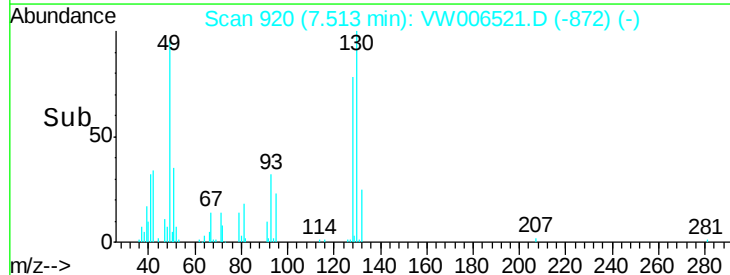
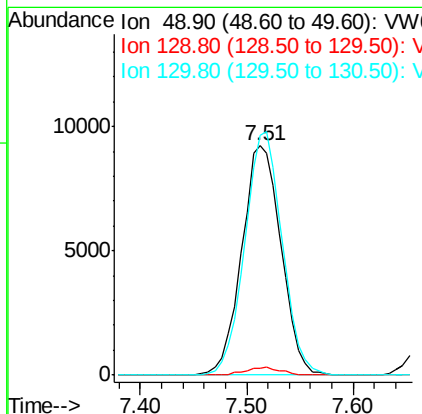
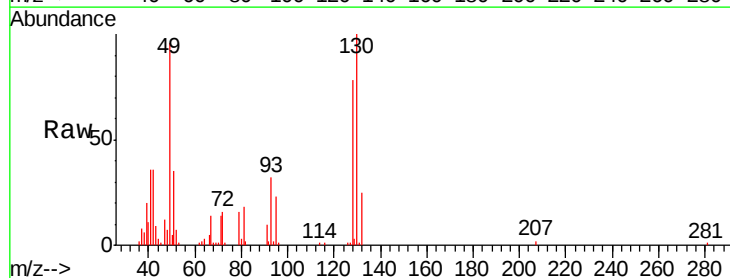
Tgt Ion: 96 Resp: 50398
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 267.2
 98 64.2 0.0 128.6



#28

Bromochloromethane
 Concen: 18.41 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion: 49 Resp: 23943
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 5.0
 130 100.9 73.8 110.8





#29

Tetrahydrofuran

Concen: 87.59 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

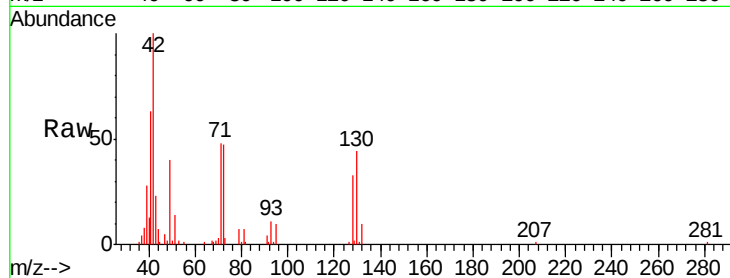
Tgt Ion: 42 Resp: 26667

Ion Ratio Lower Upper

42 100

72 48.4 38.0 57.0

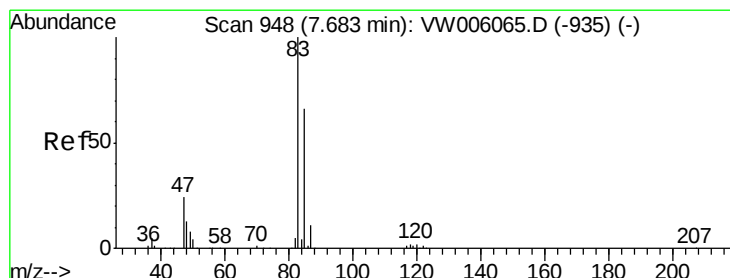
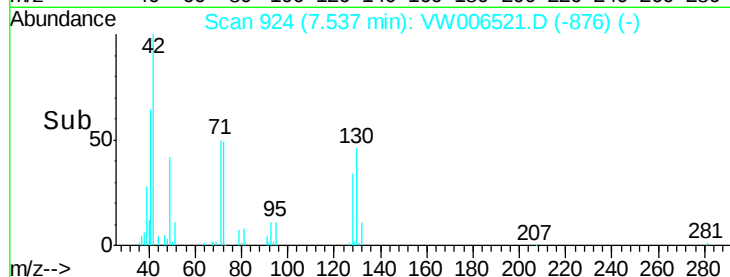
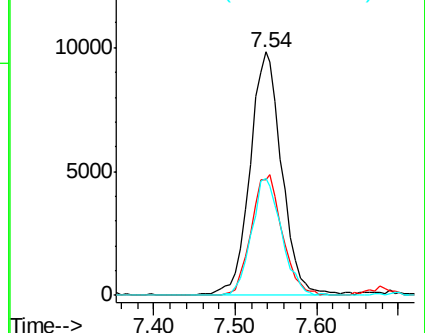
71 45.3 35.3 52.9



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: 22.29 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006521.D

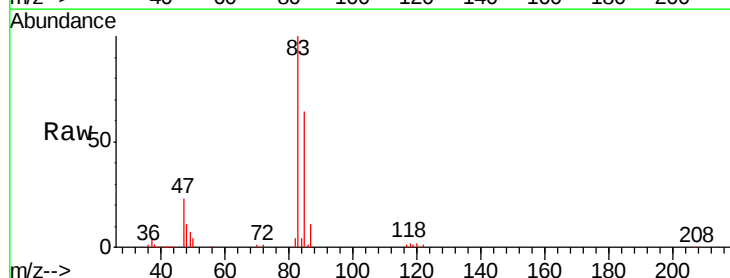
Acq: 31 Oct 2018 13:09

Tgt Ion: 83 Resp: 81819

Ion Ratio Lower Upper

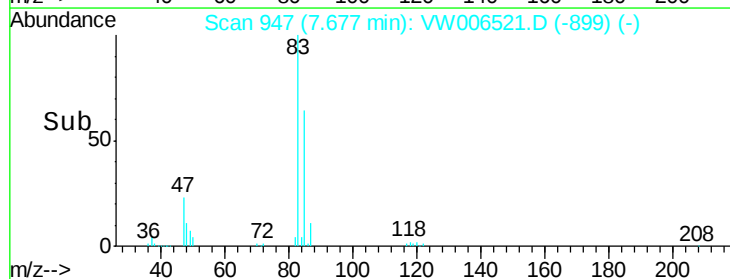
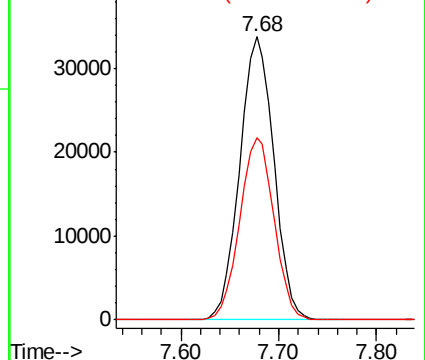
83 100

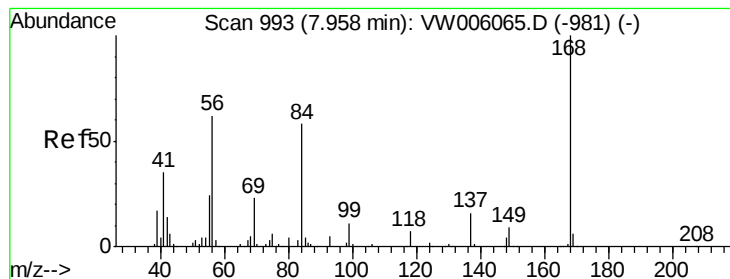
85 64.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.69 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

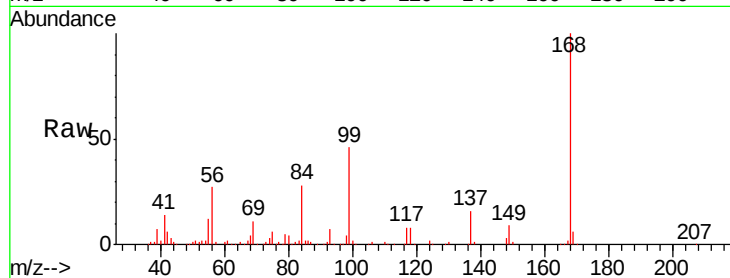
Tgt Ion: 56 Resp: 66046

Ion Ratio Lower Upper

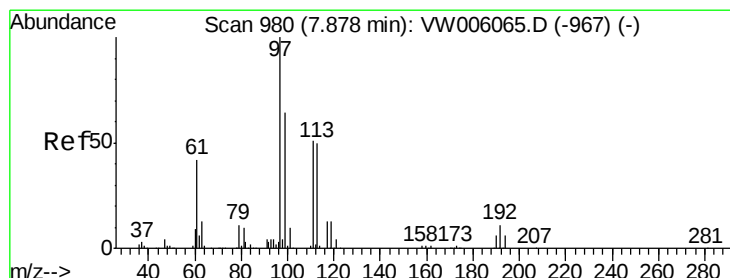
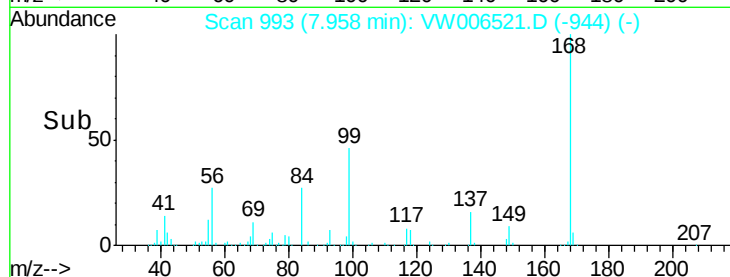
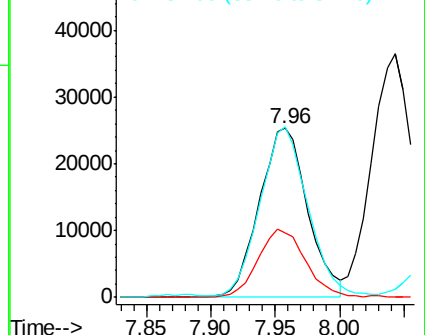
56 100

69 38.4 29.4 44.0

84 99.5 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: 21.98 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

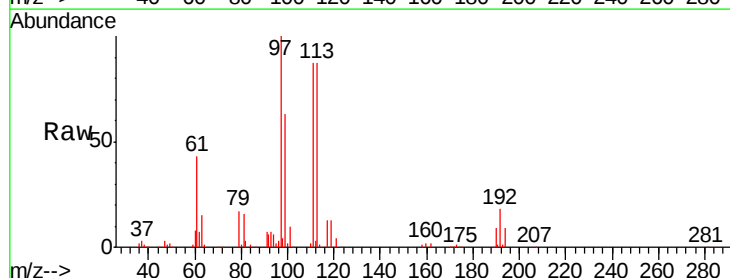
Tgt Ion: 97 Resp: 72788

Ion Ratio Lower Upper

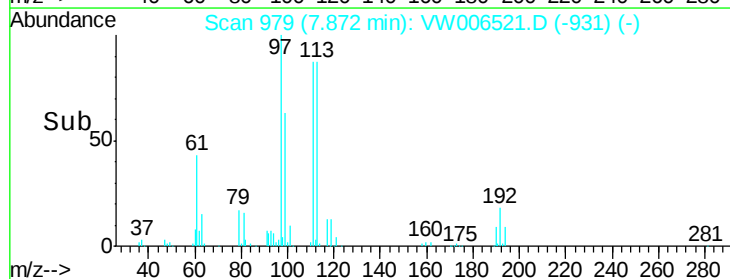
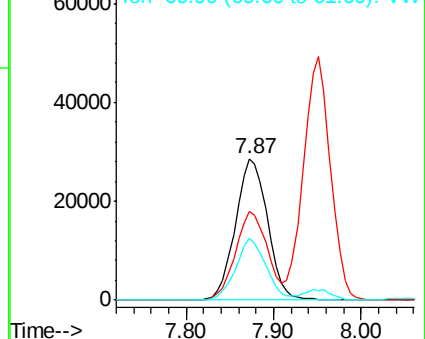
97 100

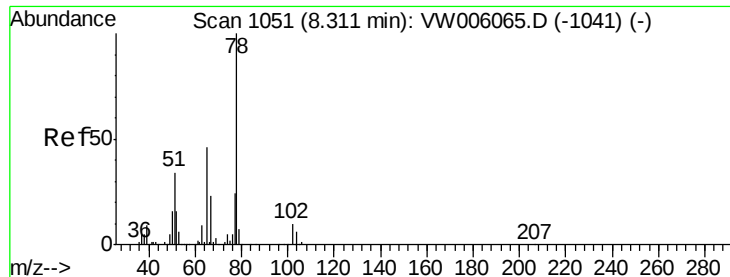
99 62.4 50.9 76.3

61 41.4 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: 42.91 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

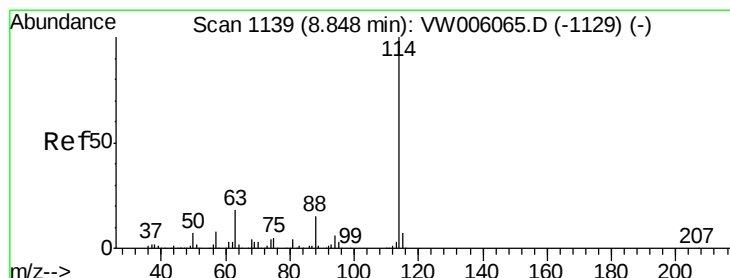
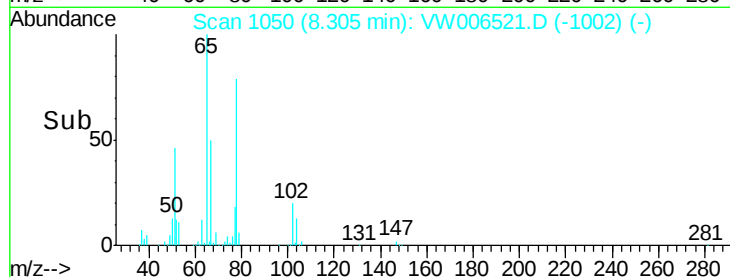
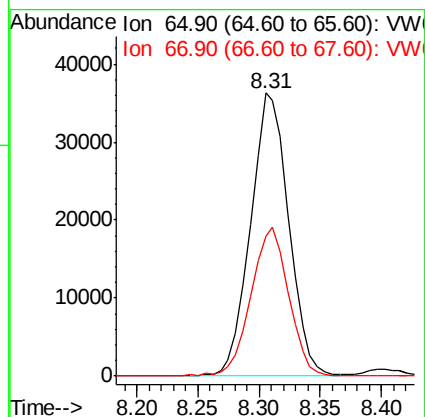
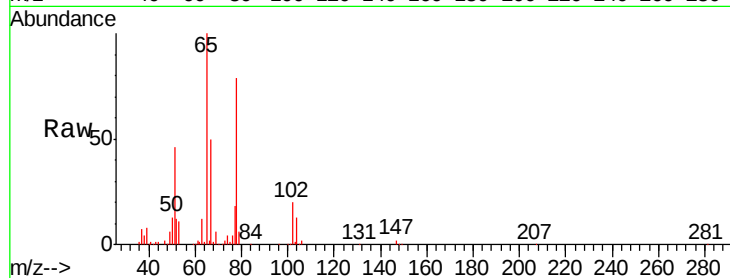
VW1101SBS01

Tgt Ion: 65 Resp: 78681

Ion Ratio Lower Upper

65 100

67 52.2 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: VW006521.D

Acq: 31 Oct 2018 13:09

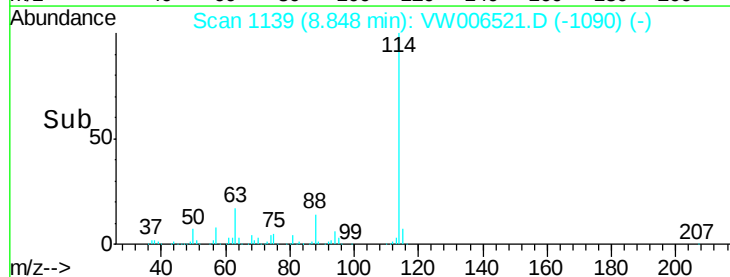
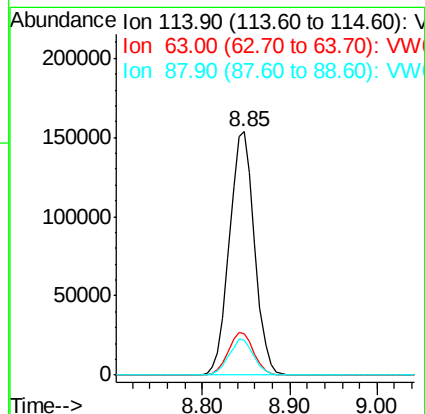
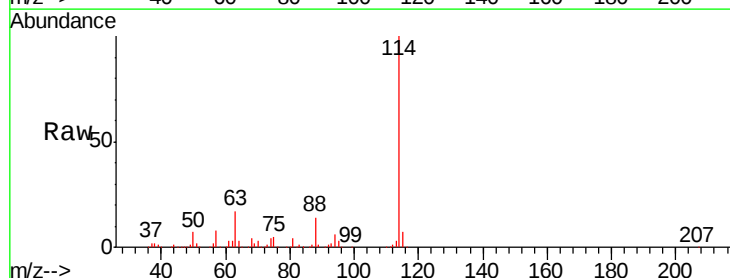
Tgt Ion: 114 Resp: 305735

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.8

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.72 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

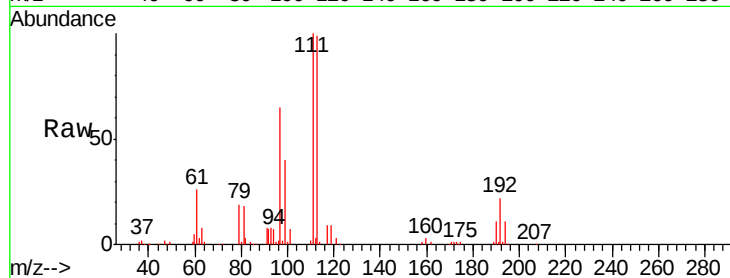
Tgt Ion:113 Resp: 88014

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.0

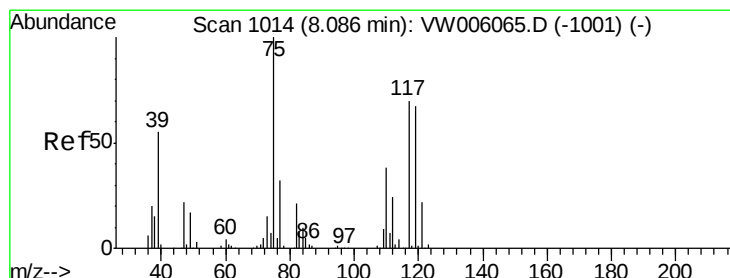
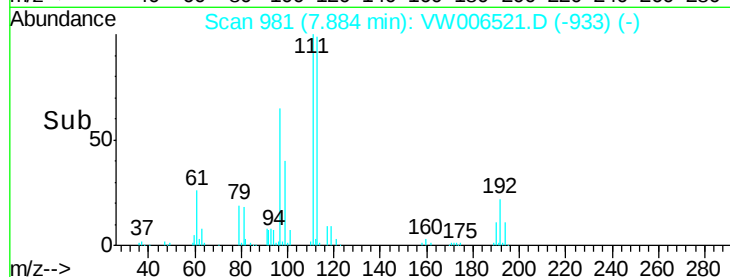
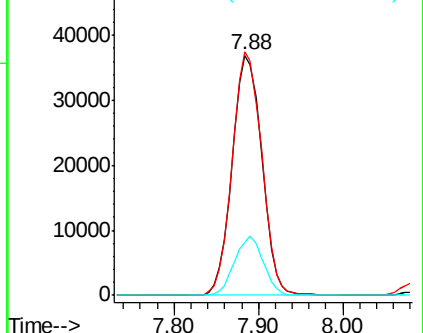
192 23.7 18.7 28.1



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: 22.28 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

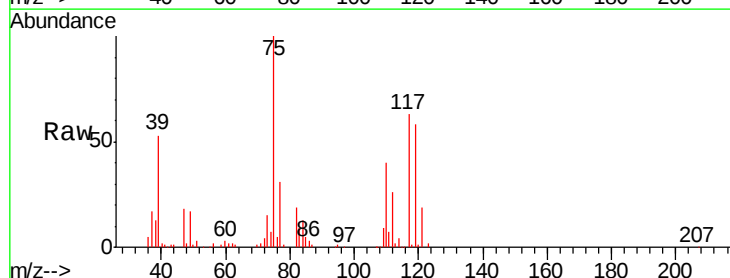
Tgt Ion: 75 Resp: 62794

Ion Ratio Lower Upper

75 100

110 39.3 19.1 57.1

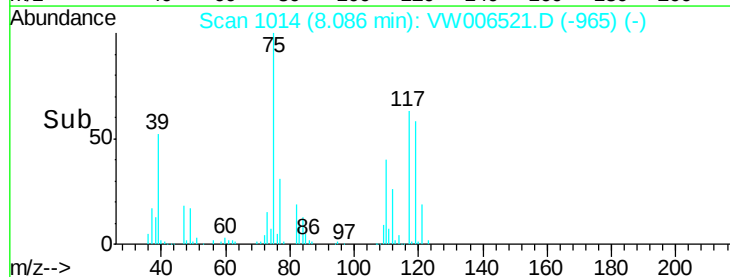
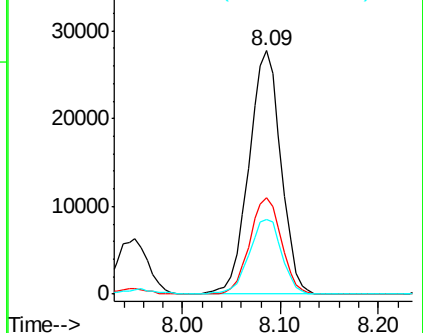
77 31.3 25.0 37.4

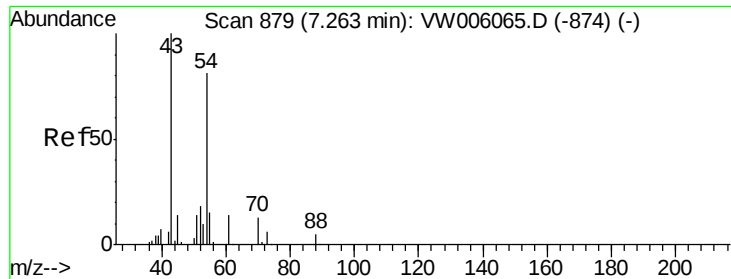


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

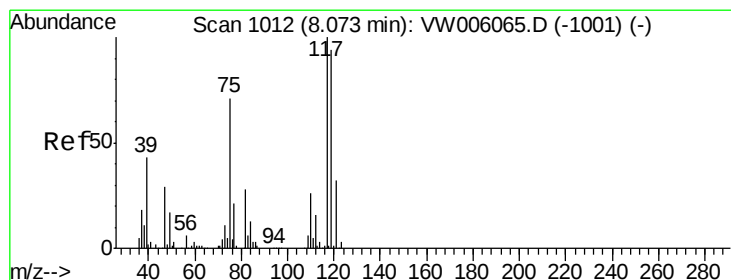
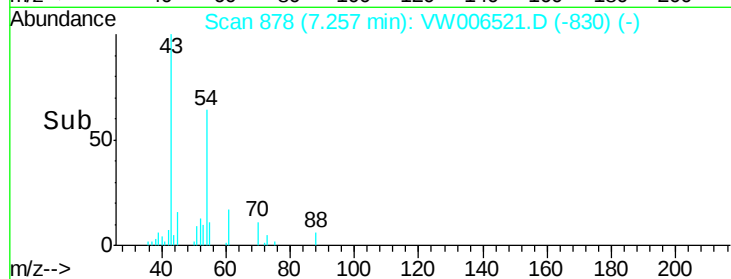
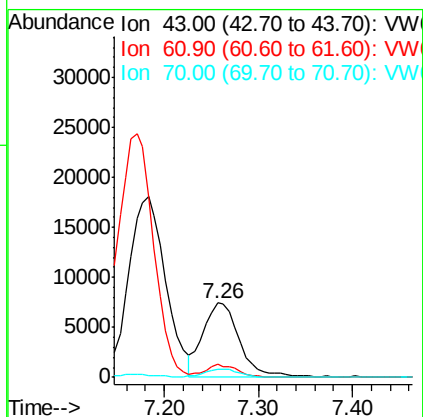
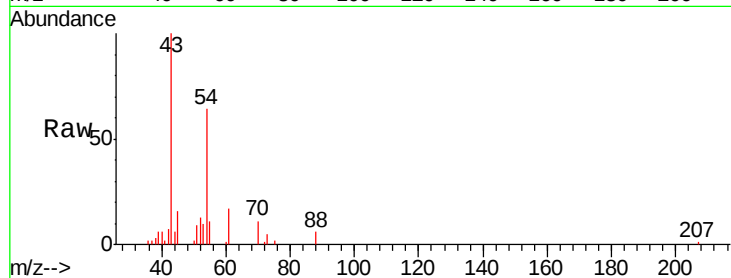




#37
 Ethyl Acetate
 Concen: 18.80 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

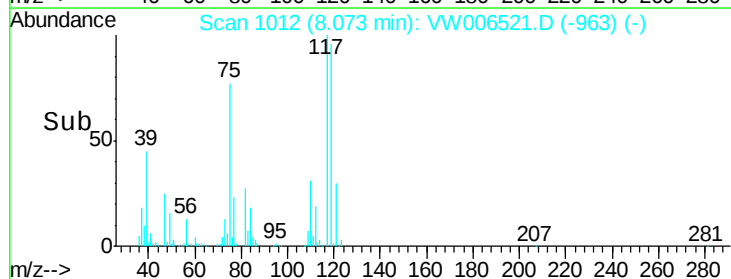
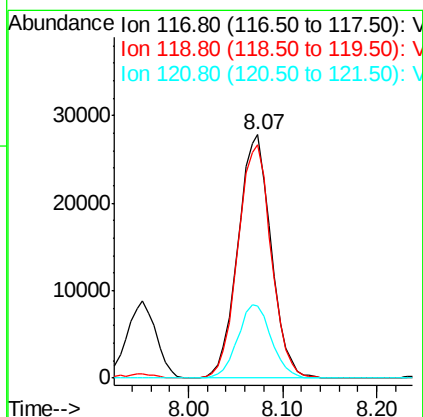
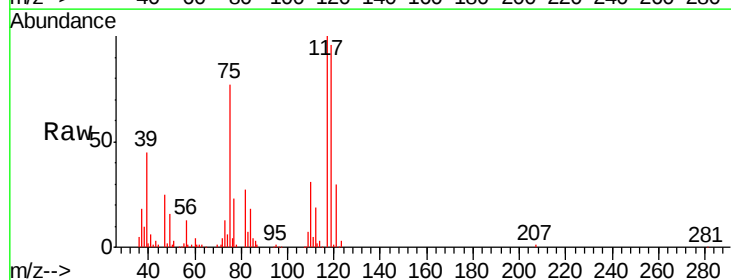
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

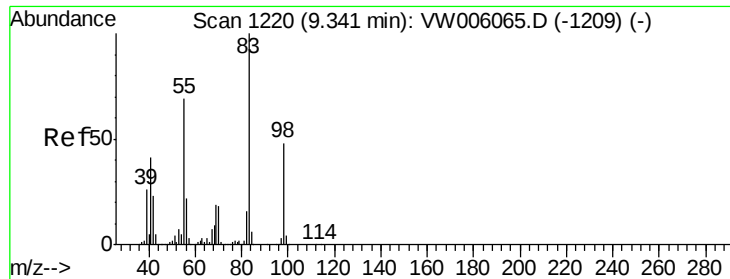
Tgt Ion: 43 Resp: 19686
 Ion Ratio Lower Upper
 43 100
 61 15.2 11.5 17.3
 70 11.0 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 22.15 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion: 117 Resp: 68436
 Ion Ratio Lower Upper
 117 100
 119 95.8 75.2 112.8
 121 29.7 25.3 37.9

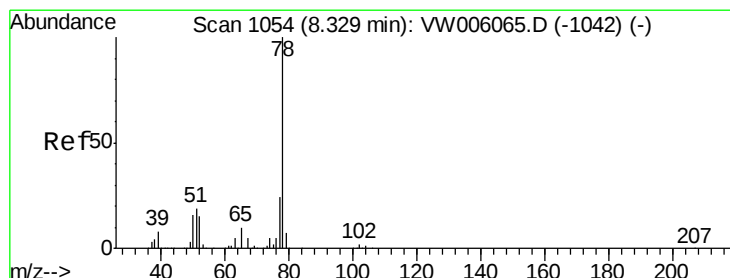
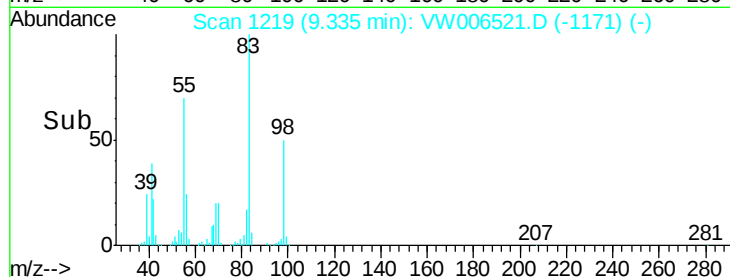
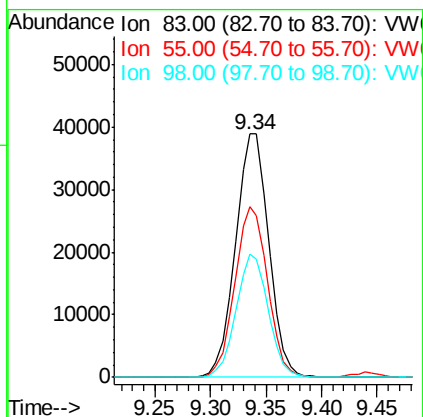
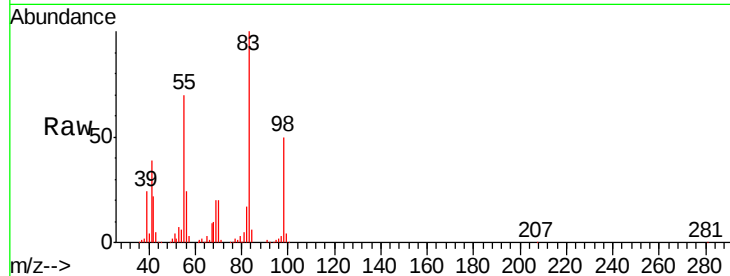




#39
Methylcyclohexane
Concen: 21.56 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

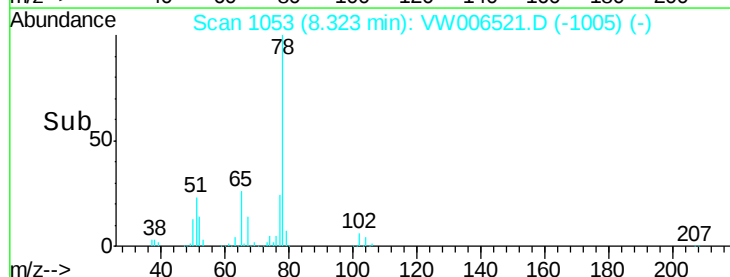
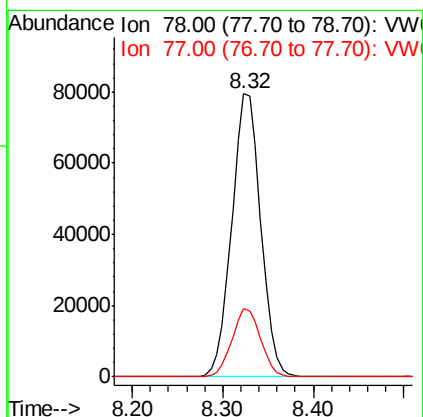
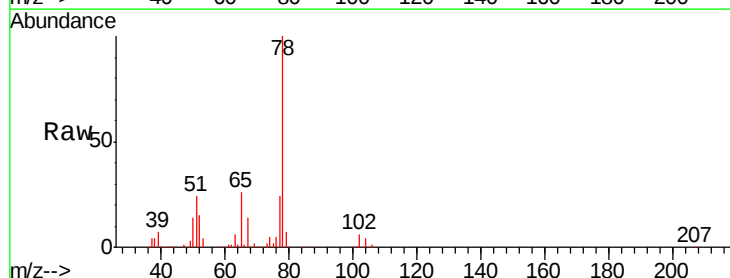
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

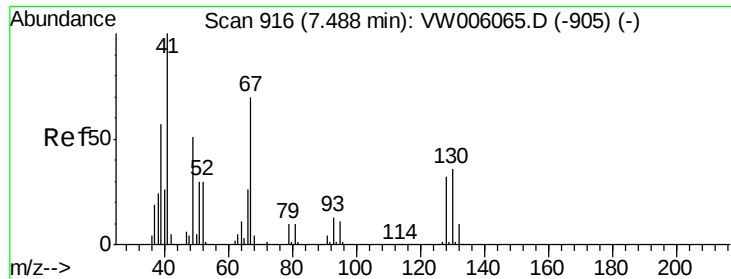
Tgt Ion: 83 Resp: 80764
Ion Ratio Lower Upper
83 100
55 70.1 55.0 82.6
98 50.4 38.6 57.8



#40
Benzene
Concen: 22.80 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion: 78 Resp: 176217
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

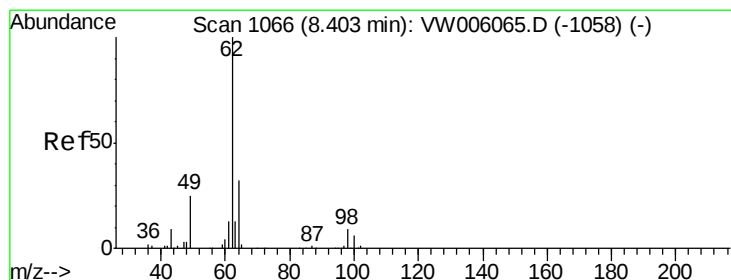
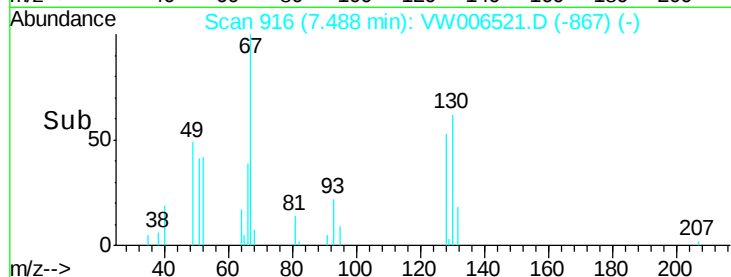
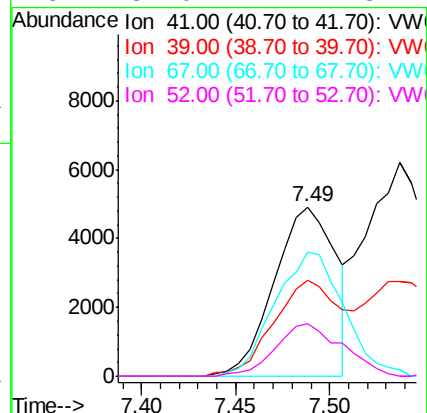
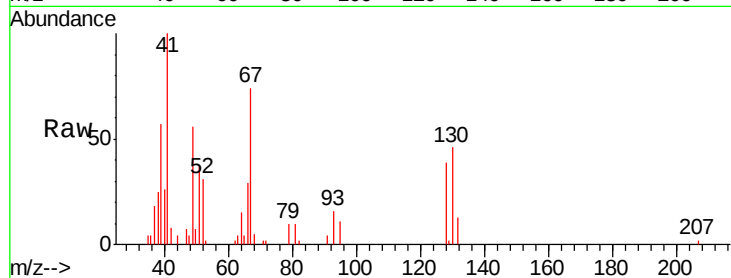




#41
Methacrylonitrile
Concen: 17.67 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

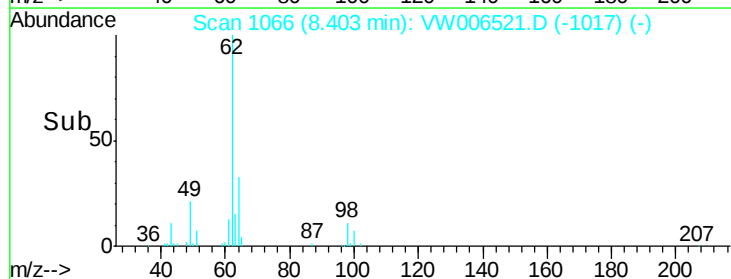
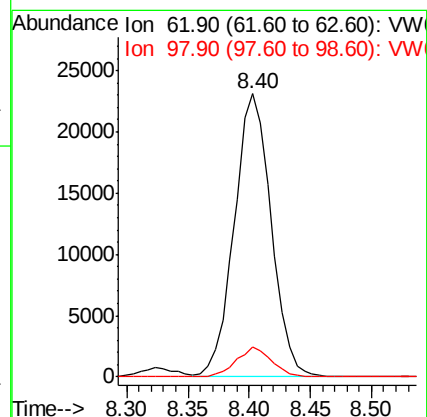
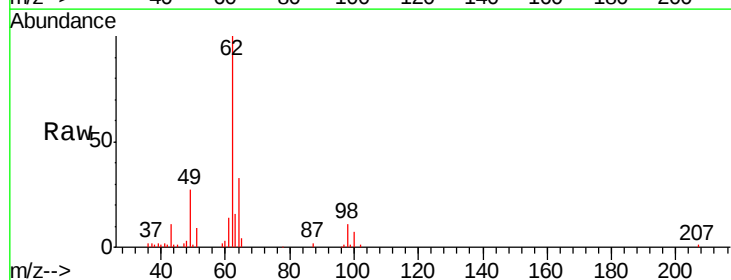
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

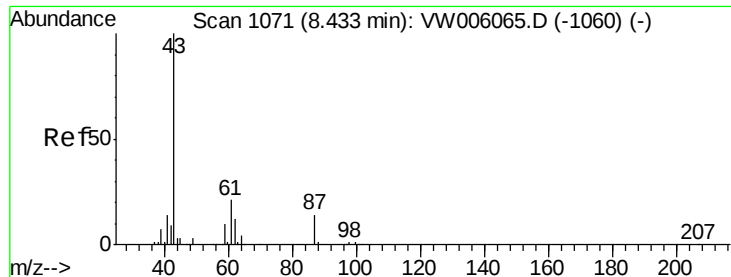
Tgt Ion:	41	Resp:	11150
Ion	Ratio	Lower	Upper
41	100		
39	64.1	46.2	69.4
67	81.9	57.7	86.5
52	34.0	24.7	37.1



#42
1,2-Dichloroethane
Concen: 21.25 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion:	62	Resp:	48268
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 17.99 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

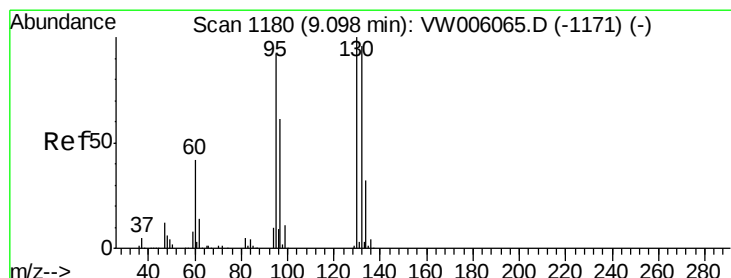
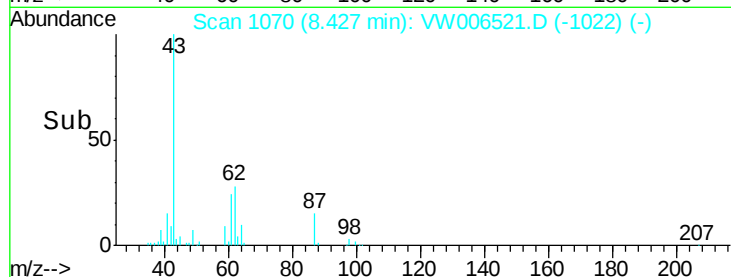
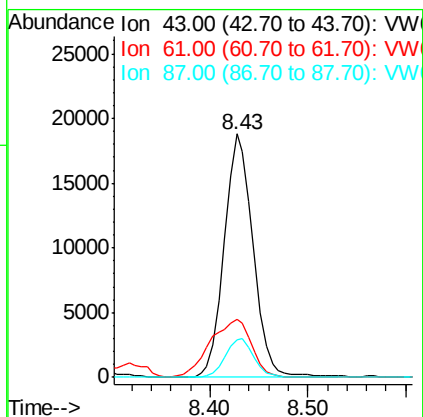
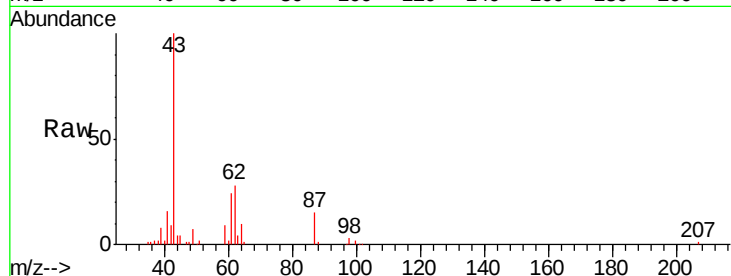
Tgt Ion: 43 Resp: 38522

Ion Ratio Lower Upper

43 100

61 34.2 25.5 38.3

87 15.6 11.7 17.5



#44

Trichloroethene

Concen: 22.91 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006521.D

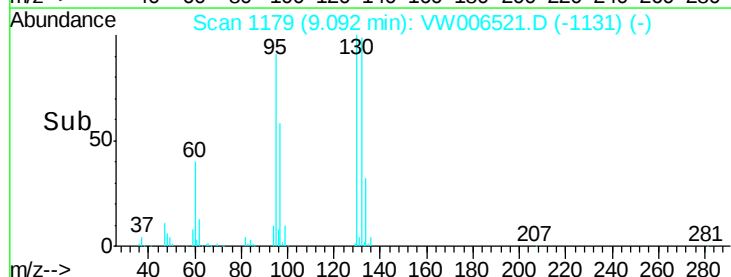
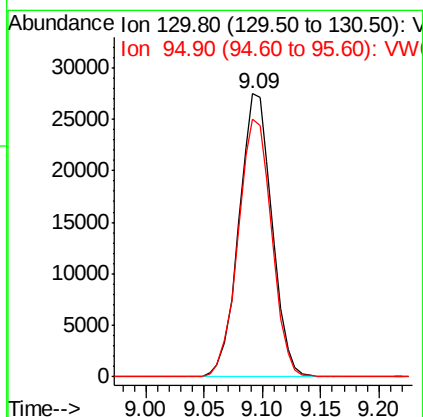
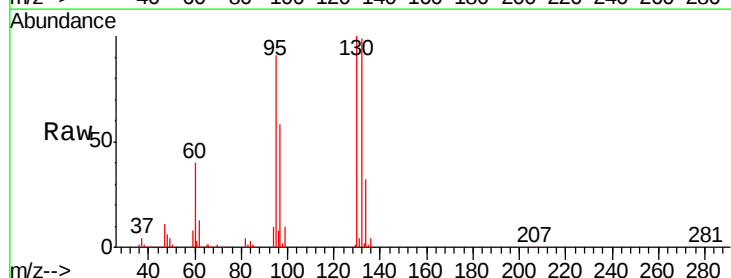
Acq: 31 Oct 2018 13:09

Tgt Ion: 130 Resp: 54328

Ion Ratio Lower Upper

130 100

95 91.3 0.0 183.2

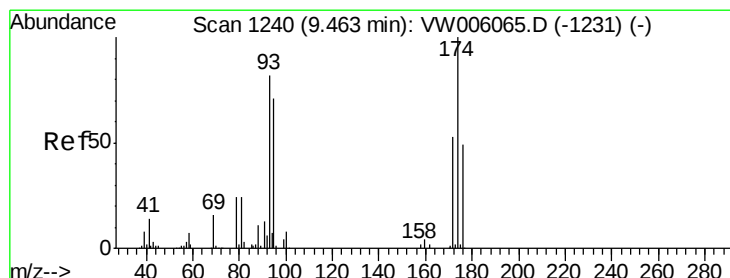
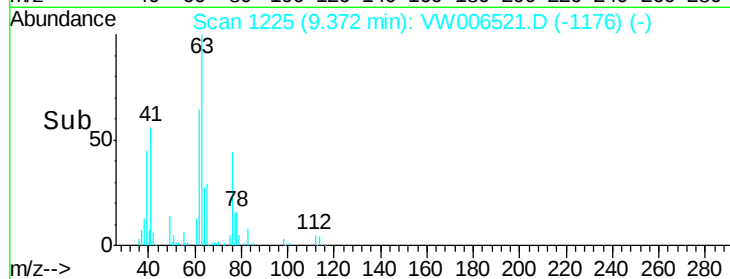
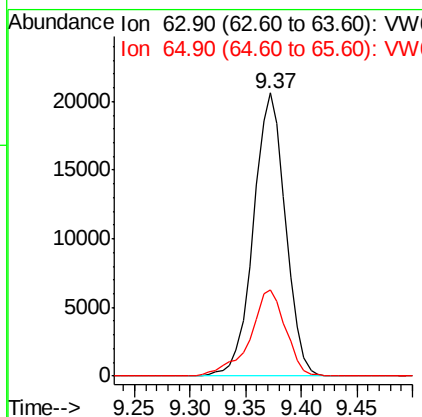
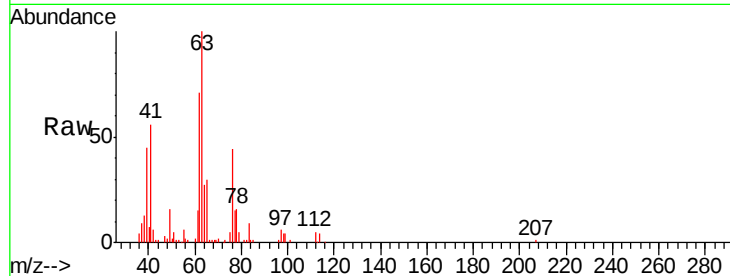




#45
 1,2-Dichloropropane
 Concen: 22.33 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

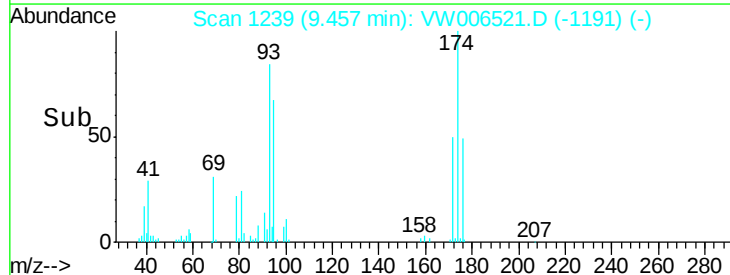
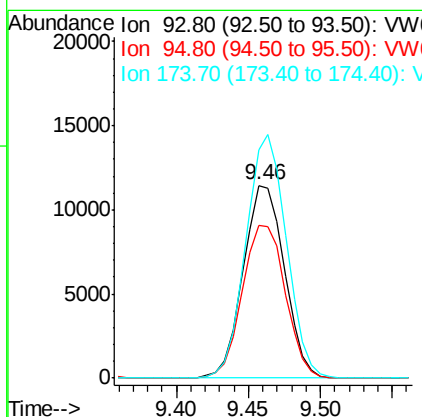
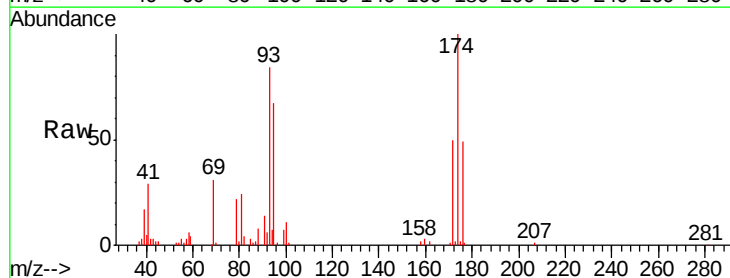
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

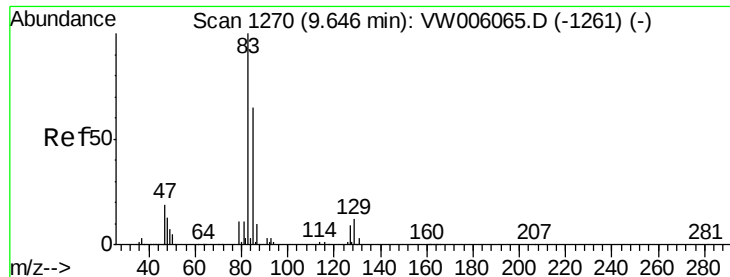
Tgt Ion: 63 Resp: 41307
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.4 38.0



#46
 Dibromomethane
 Concen: 21.55 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion: 93 Resp: 22719
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.7 101.5
 174 123.8 93.7 140.5





#47

Bromodichloromethane

Concen: 21.77 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

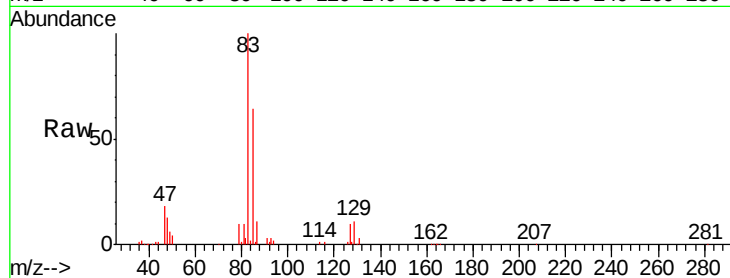
Tgt Ion: 83 Resp: 55646

Ion Ratio Lower Upper

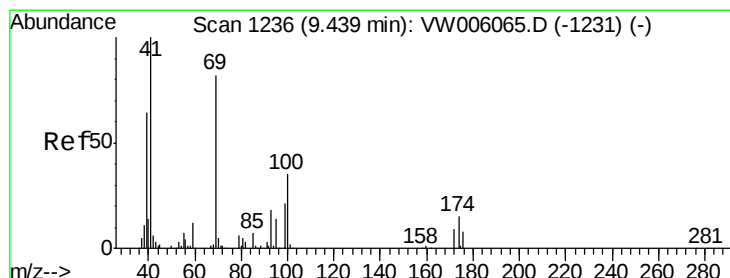
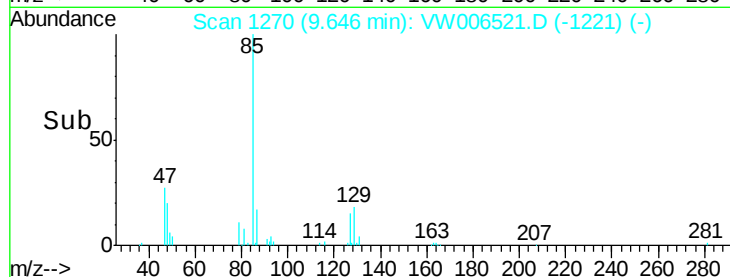
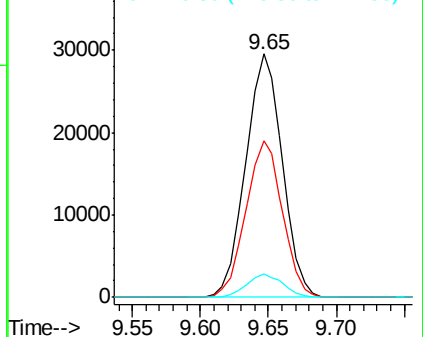
83 100

85 64.2 51.8 77.8

127 9.7 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: 18.14 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

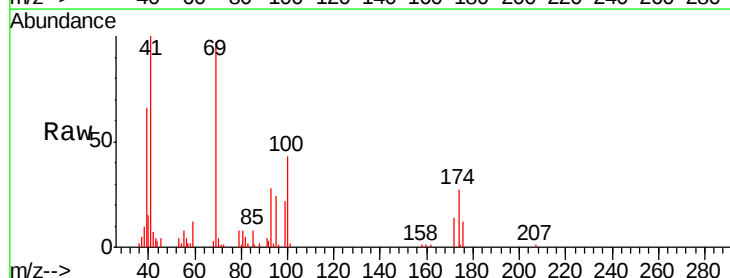
Tgt Ion: 41 Resp: 18411

Ion Ratio Lower Upper

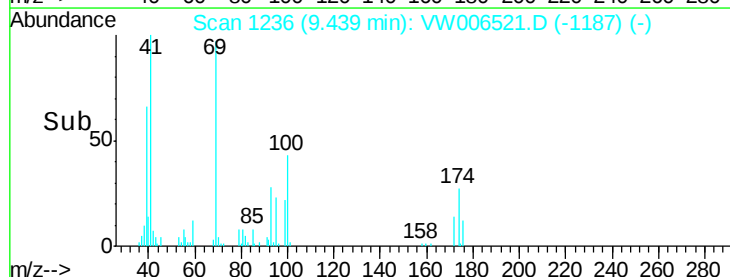
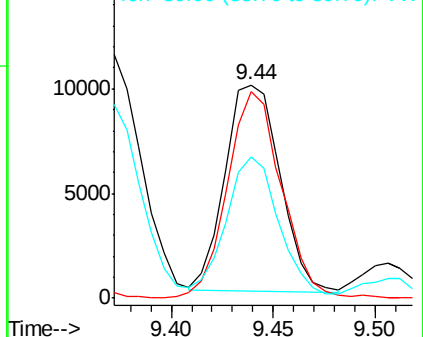
41 100

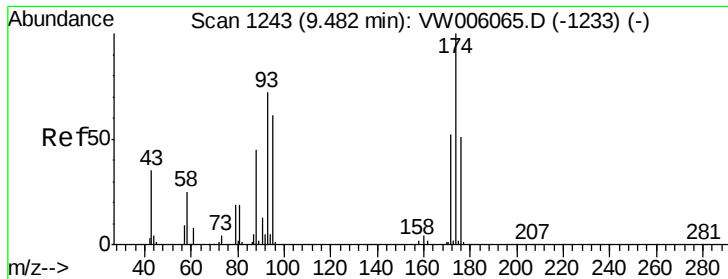
69 98.8 71.8 107.8

39 61.7 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

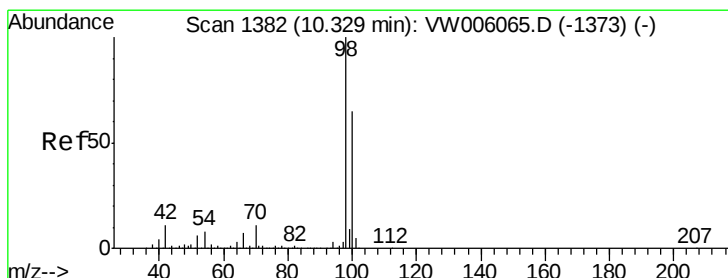
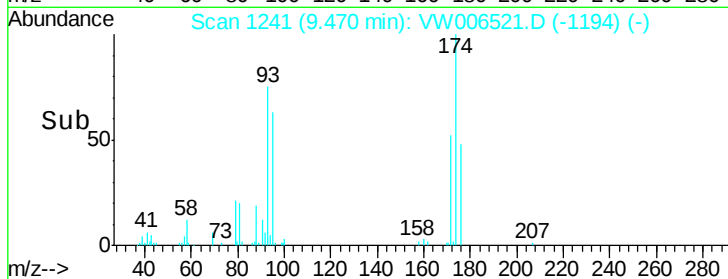
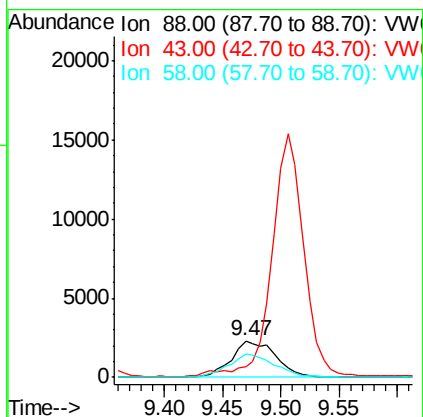
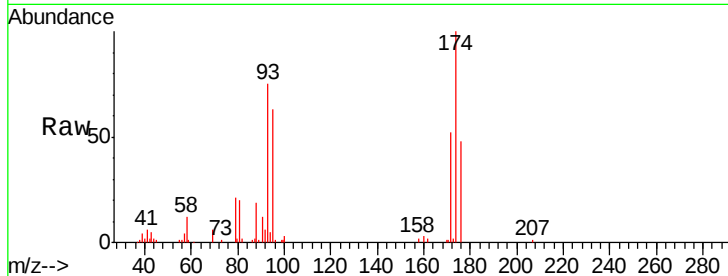




#49
1,4-Dioxane
Concen: 376.83 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

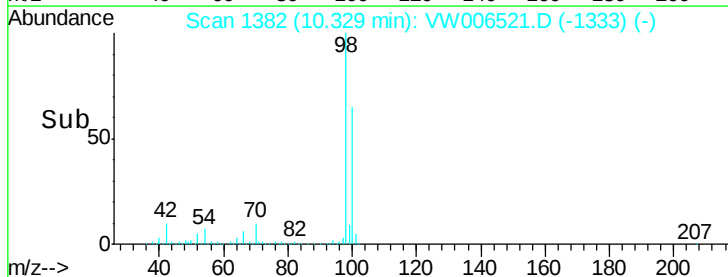
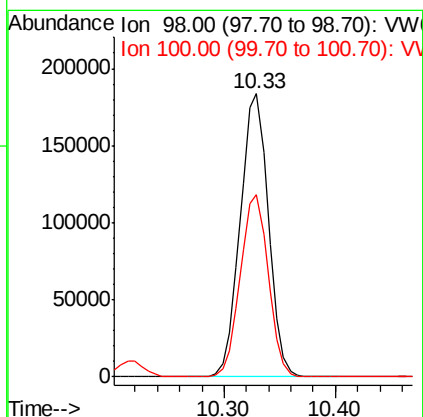
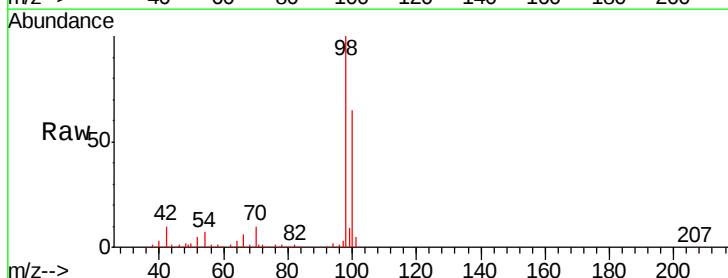
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

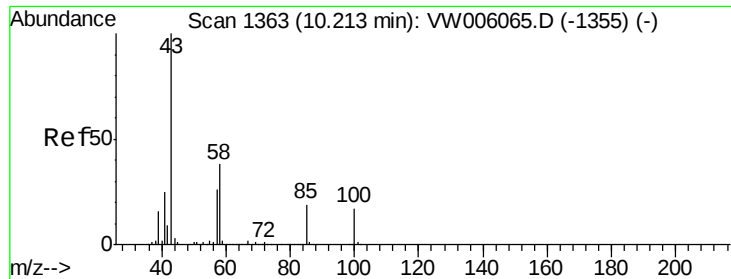
Tgt Ion: 88 Resp: 6116
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 65.2 51.2 76.8



#50
Toluene-d8
Concen: 46.93 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion: 98 Resp: 322531
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 91.60 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

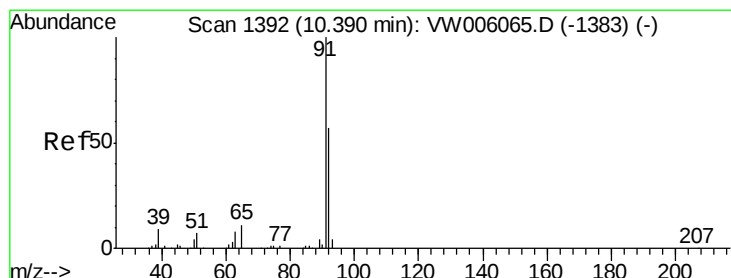
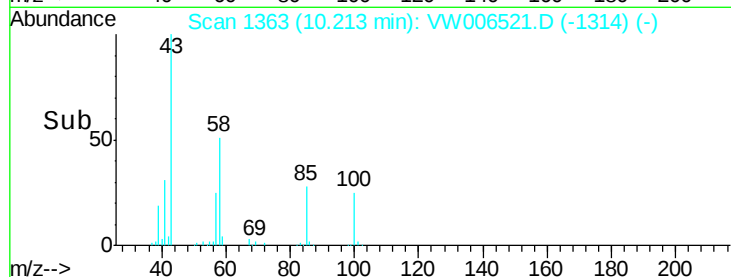
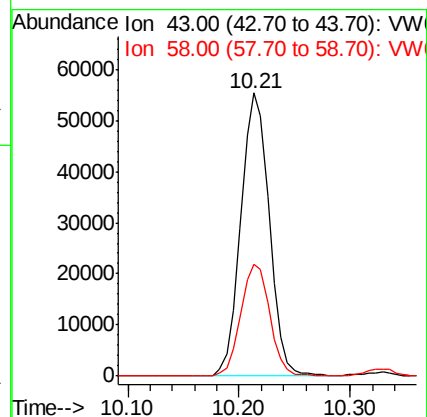
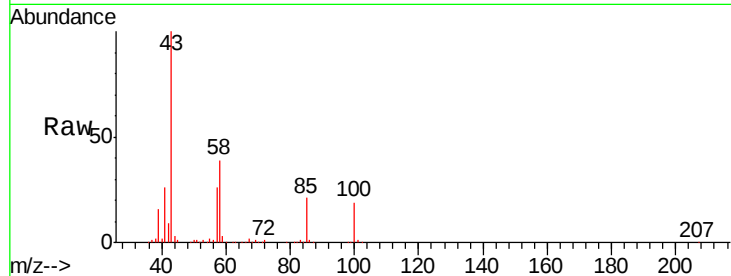
VW1101SBS01

Tgt Ion: 43 Resp: 98252

Ion Ratio Lower Upper

43 100

58 40.2 31.5 47.3



#52

Toluene

Concen: 22.76 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006521.D

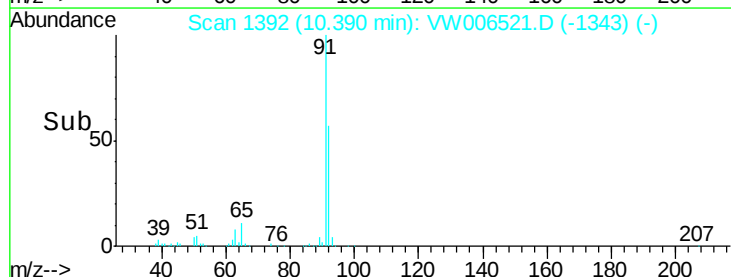
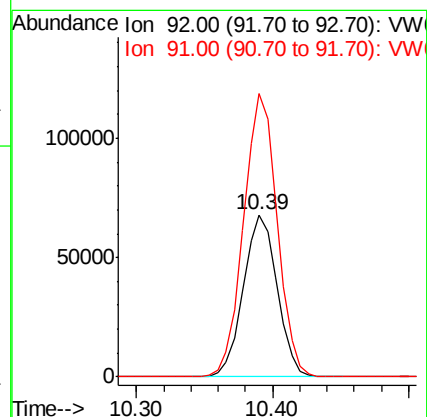
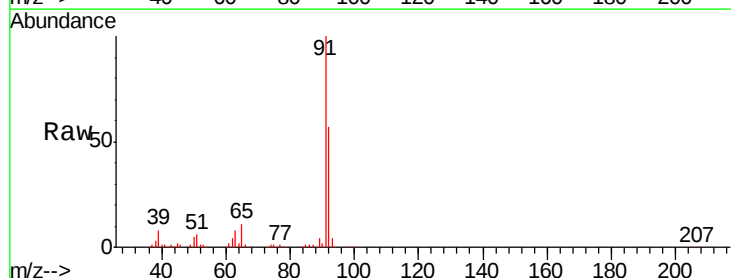
Acq: 31 Oct 2018 13:09

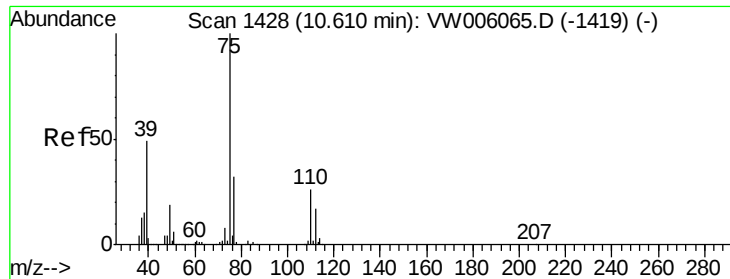
Tgt Ion: 92 Resp: 117973

Ion Ratio Lower Upper

92 100

91 173.9 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 20.41 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

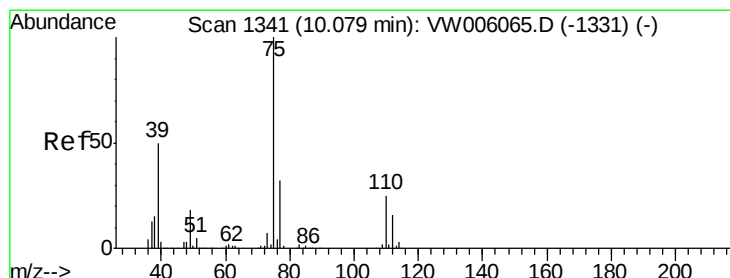
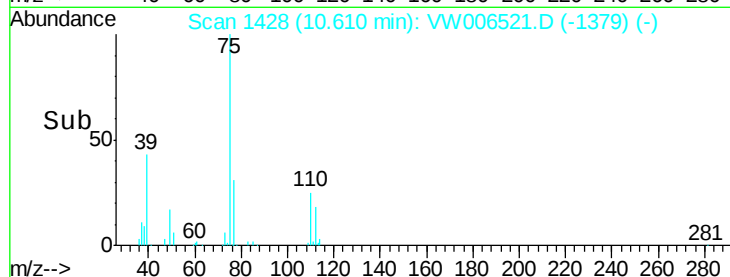
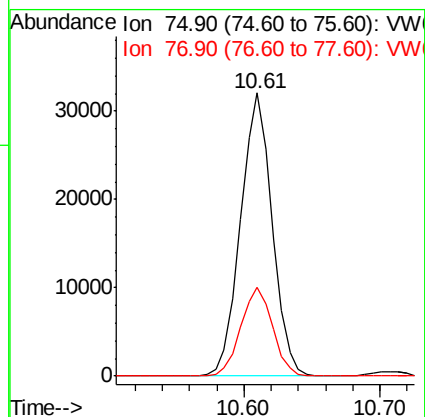
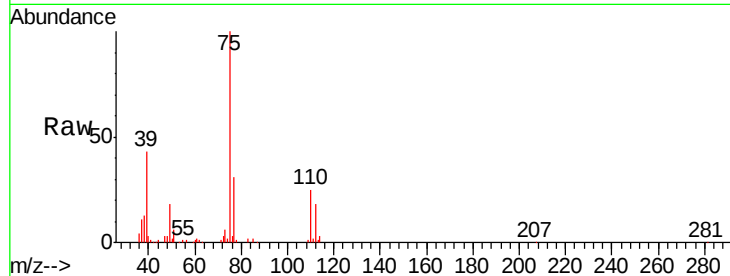
VW1101SBS01

Tgt Ion: 75 Resp: 51971

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.22 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

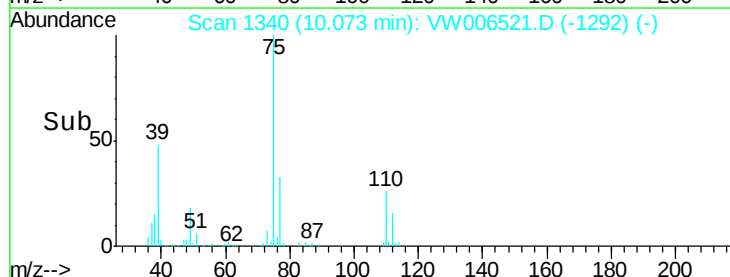
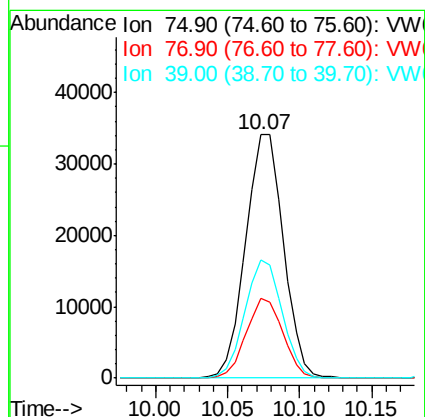
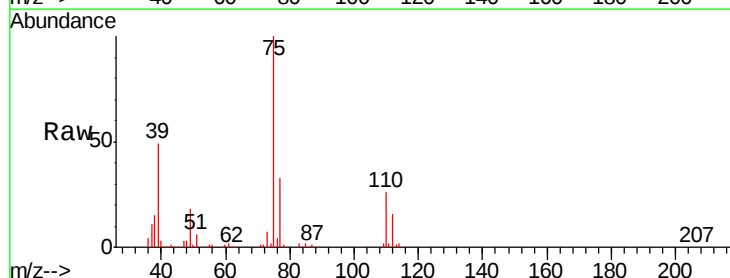
Tgt Ion: 75 Resp: 62035

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

39 48.5 39.9 59.9

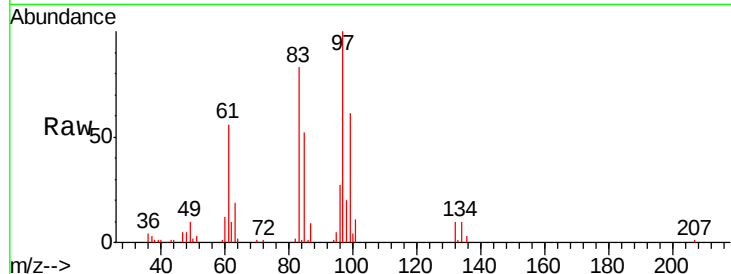




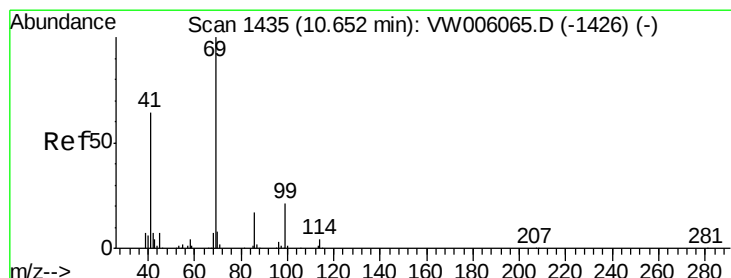
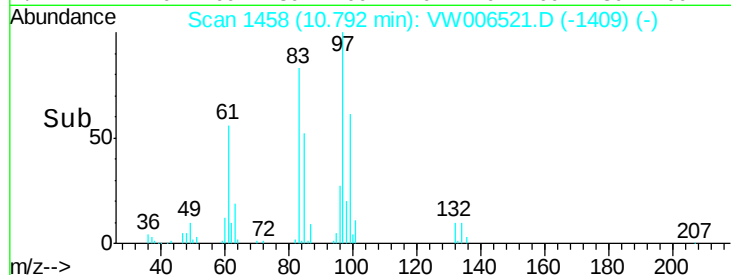
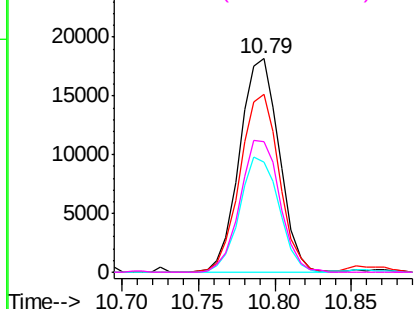
#55
 1,1,2-Trichloroethane
 Concen: 22.21 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tgt Ion: 97 Resp: 32766
 Ion Ratio Lower Upper
 97 100
 83 83.2 67.2 100.8
 85 51.6 43.7 65.5
 99 61.1 48.5 72.7

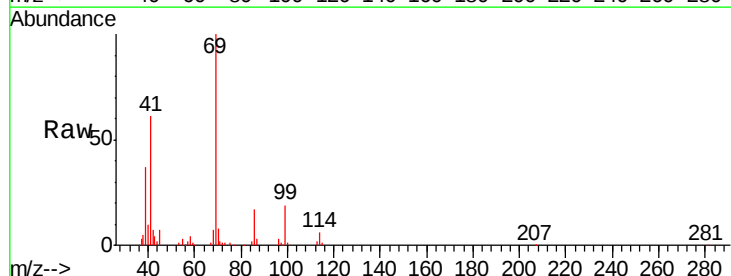


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

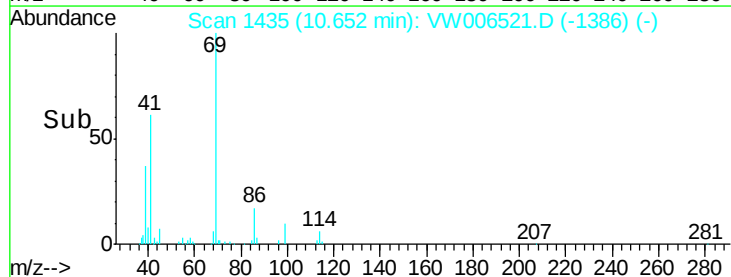
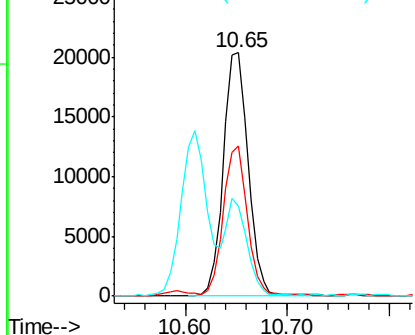


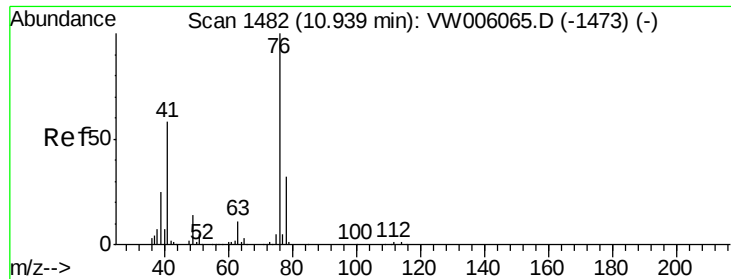
#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion: 69 Resp: 34666
 Ion Ratio Lower Upper
 69 100
 41 59.0 52.8 79.2
 39 33.2 30.6 45.8



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

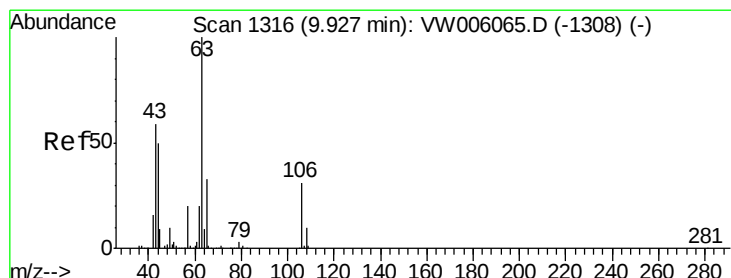
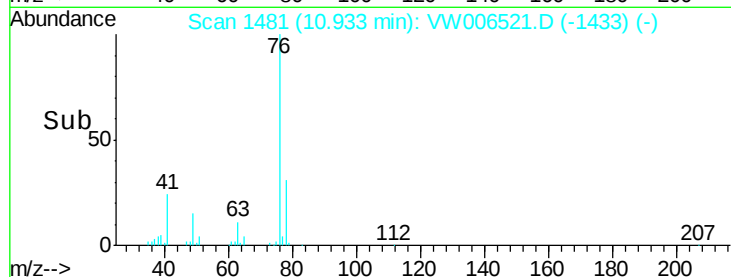
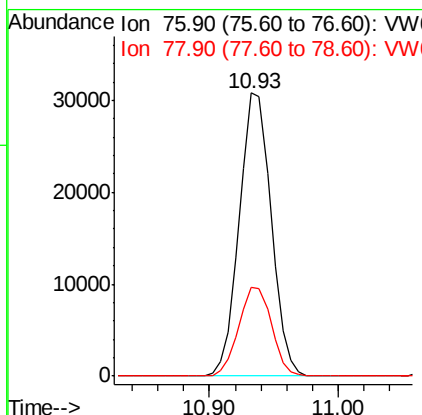
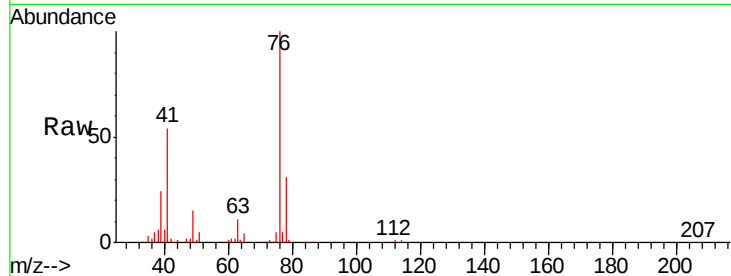




#57
 1,3-Dichloropropane
 Concen: 21.68 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

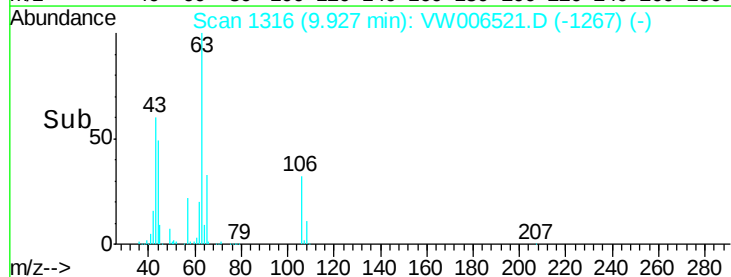
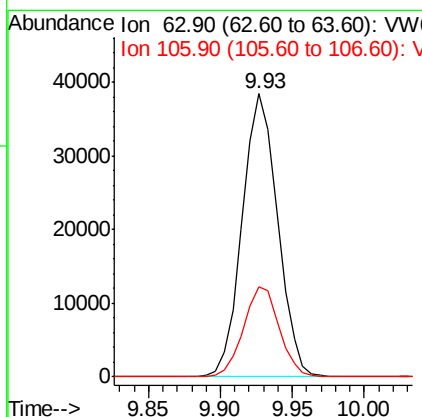
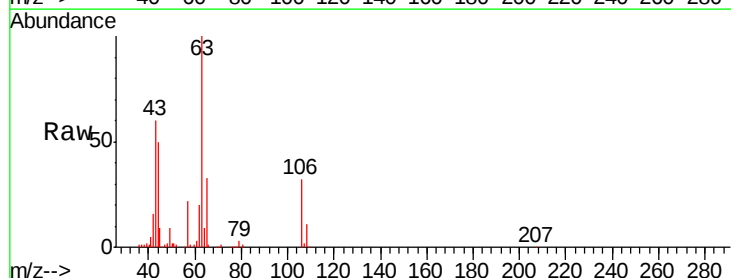
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

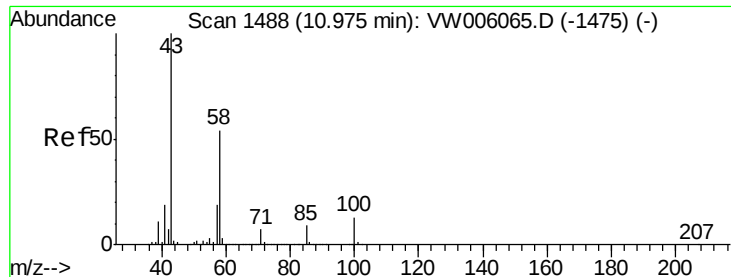
Tgt Ion: 76 Resp: 52956
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.82 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion: 63 Resp: 65528
 Ion Ratio Lower Upper
 63 100
 106 32.0 24.5 36.7

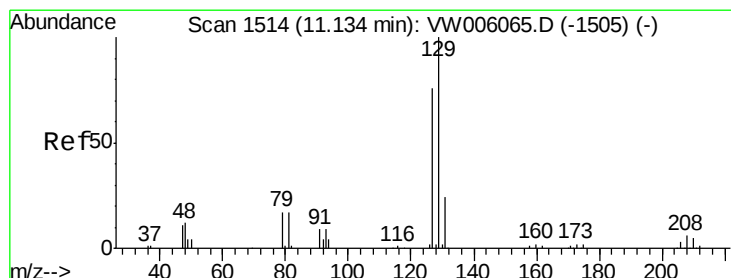
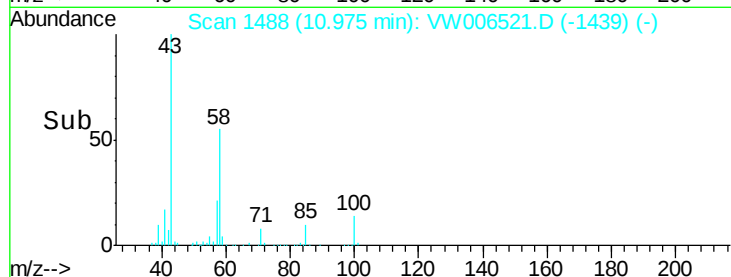
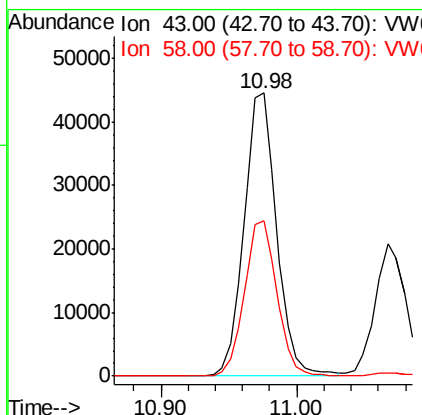
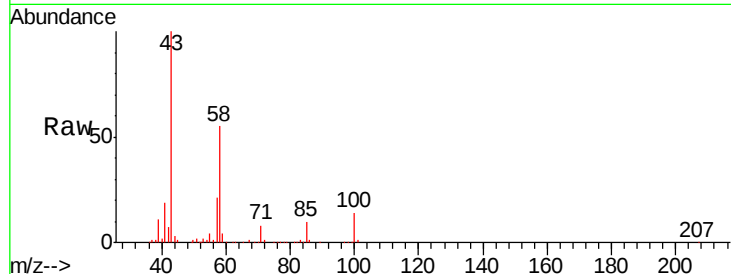




#59
2-Hexanone
Concen: 97.49 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

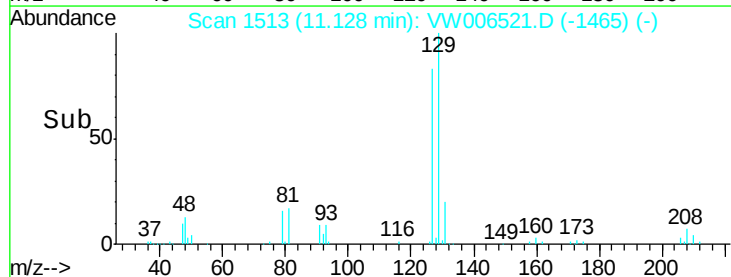
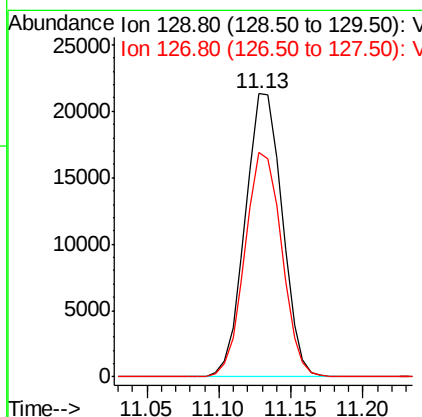
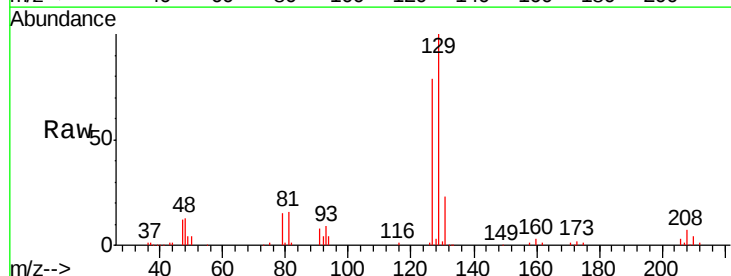
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

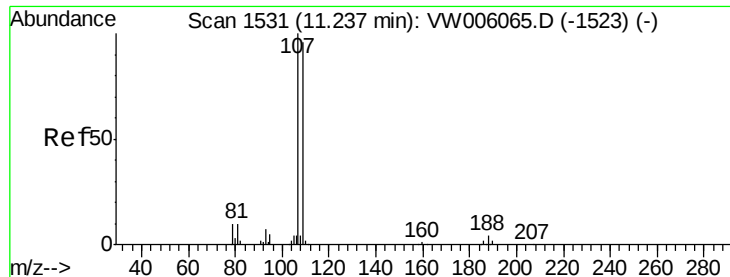
Tgt Ion: 43 Resp: 74643
Ion Ratio Lower Upper
43 100
58 54.9 26.9 80.6



#60
Dibromochloromethane
Concen: 20.73 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion: 129 Resp: 38090
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.44 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

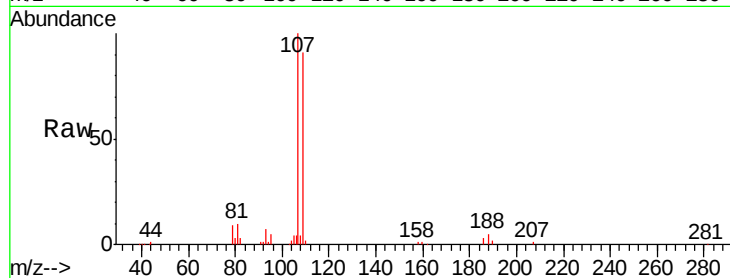
VW1101SBS01

Tgt Ion: 107 Resp: 31609

Ion Ratio Lower Upper

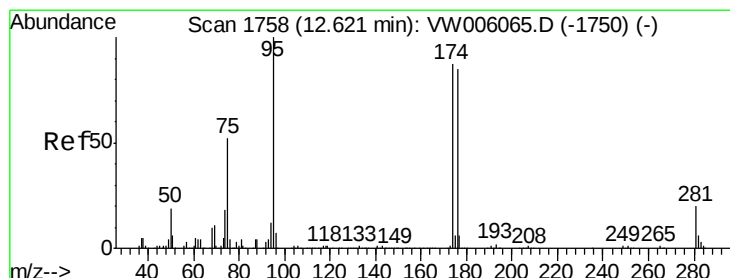
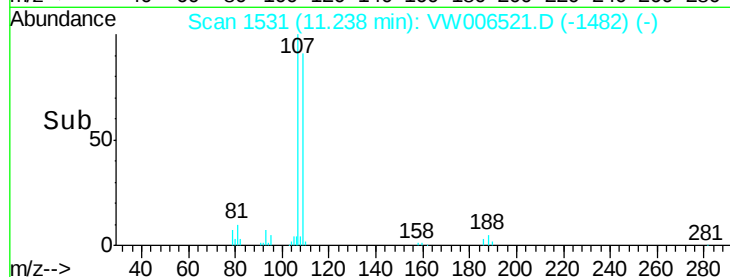
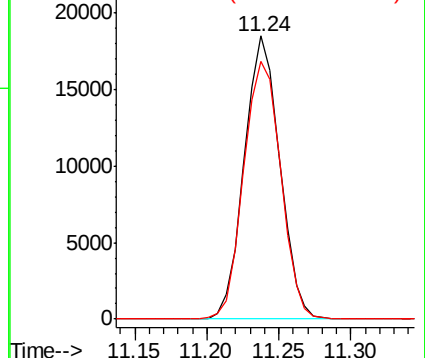
107 100

109 95.0 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.84 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

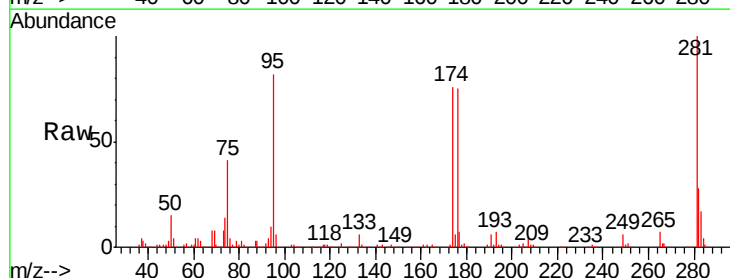
Tgt Ion: 95 Resp: 120927

Ion Ratio Lower Upper

95 100

174 96.3 0.0 186.0

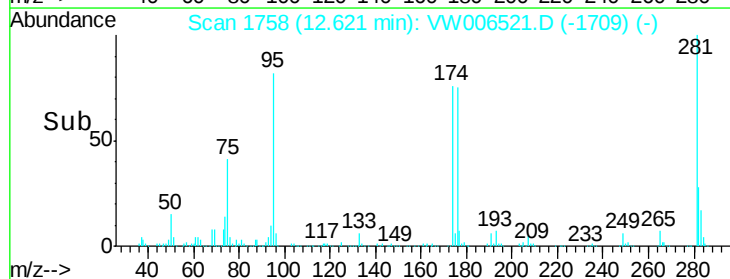
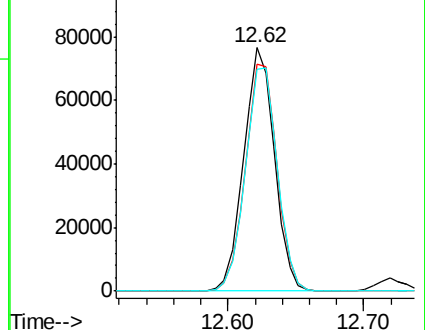
176 96.0 0.0 181.6

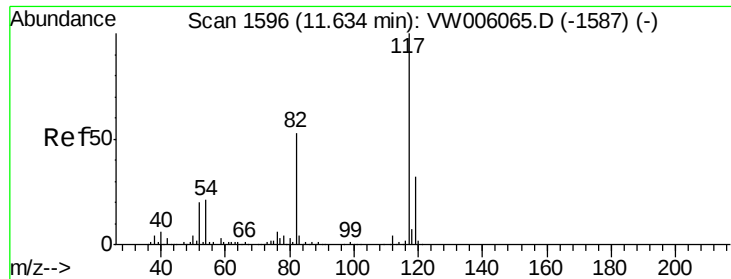


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

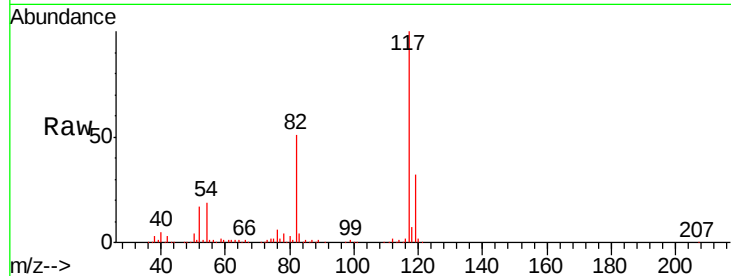




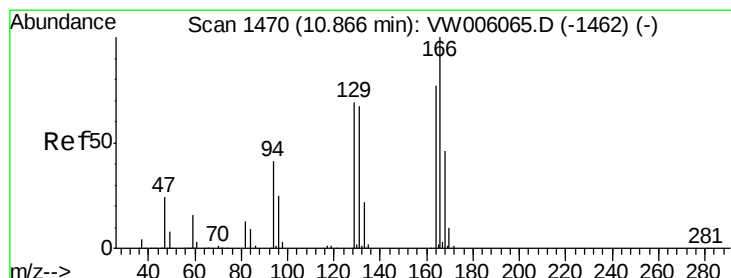
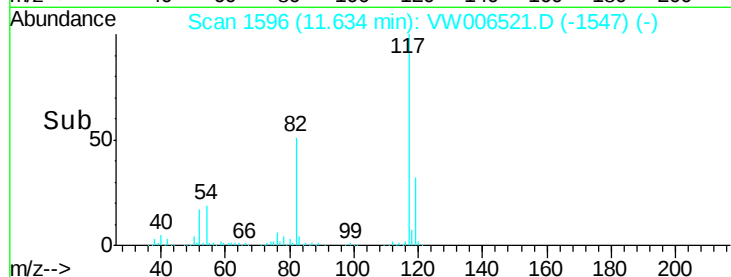
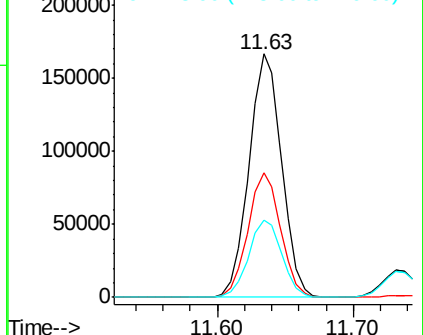
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tgt Ion:117 Resp: 280352
Ion Ratio Lower Upper
117 100
82 51.1 42.1 63.1
119 31.6 25.8 38.6

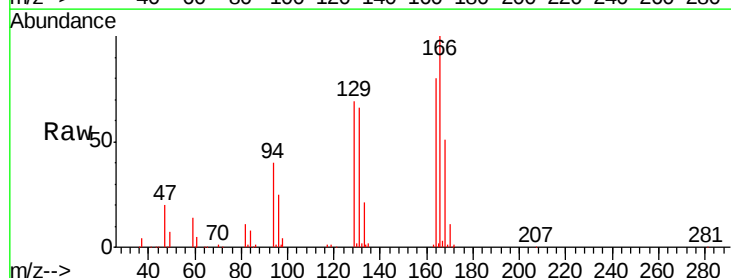


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

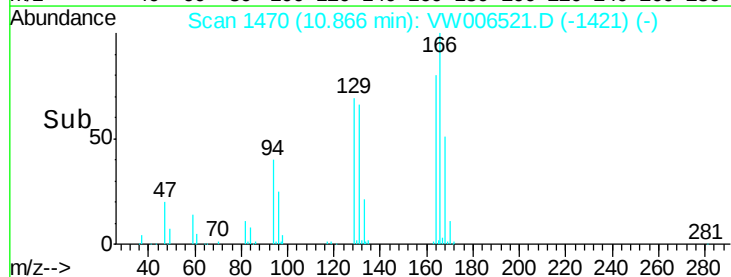
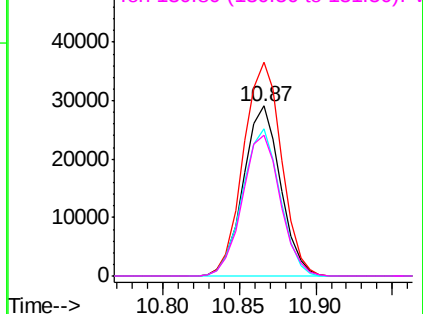


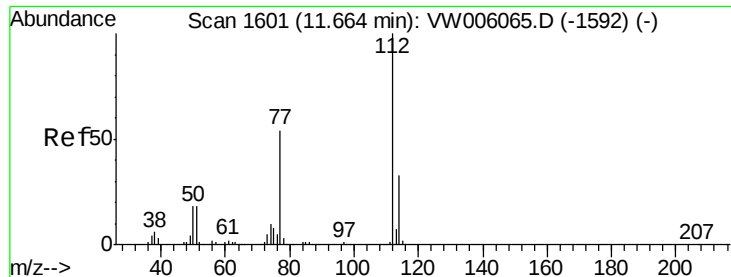
#64
Tetrachloroethene
Concen: 22.61 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion:164 Resp: 49201
Ion Ratio Lower Upper
164 100
166 125.7 103.4 155.0
129 86.9 71.8 107.8
131 83.2 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

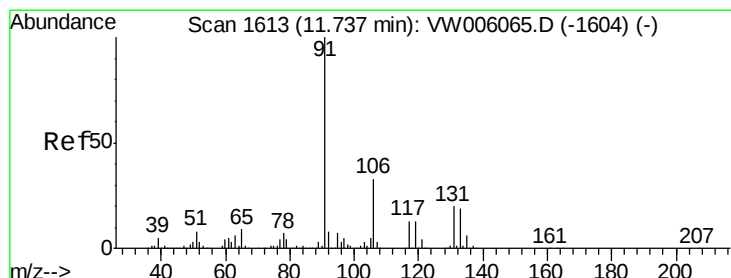
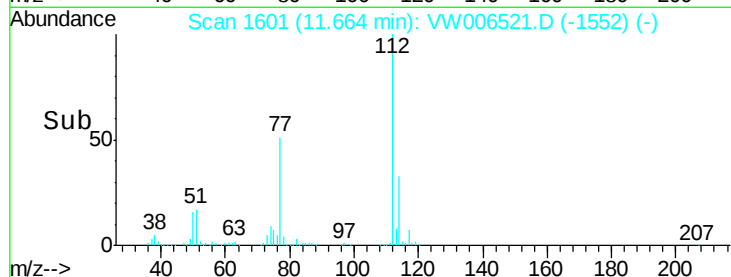
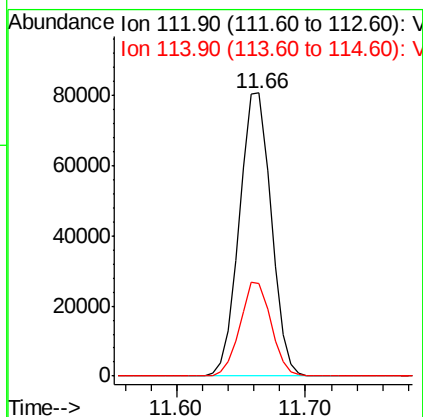
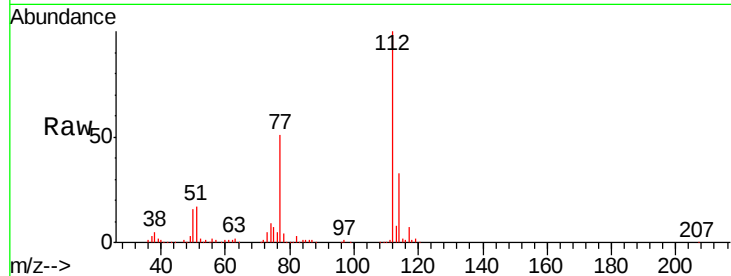




#65
Chlorobenzene
Concen: 23.03 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

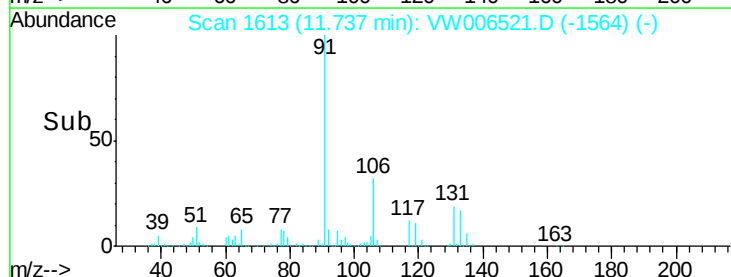
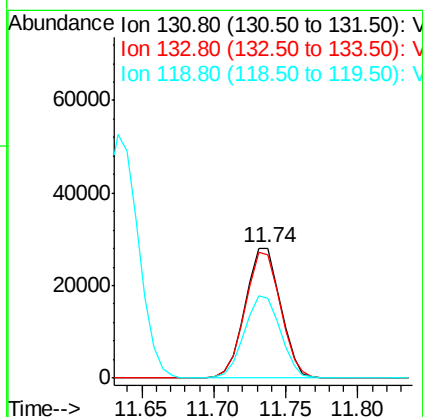
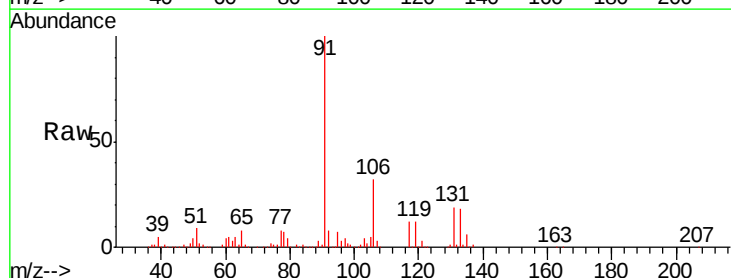
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

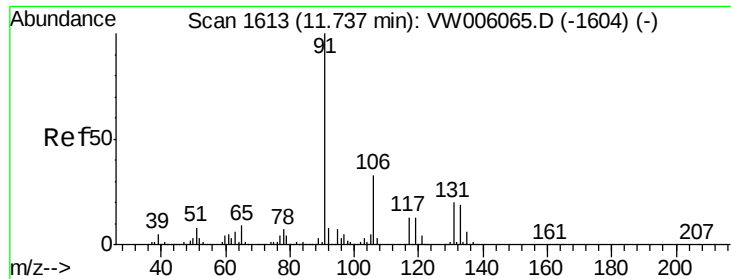
Tgt Ion:112 Resp: 138204
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.51 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion:131 Resp: 48005
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.3
119 63.9 31.6 94.7

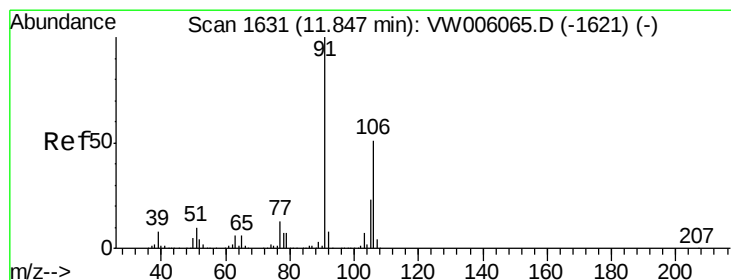
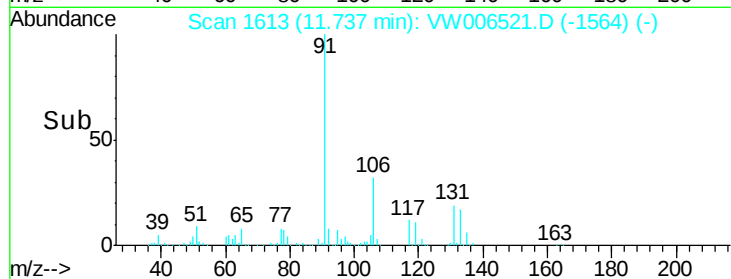
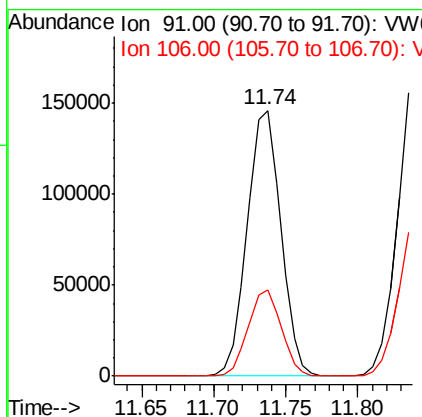
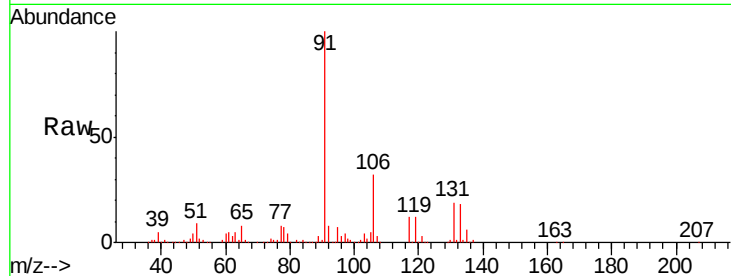




#67
Ethyl Benzene
Concen: 22.69 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

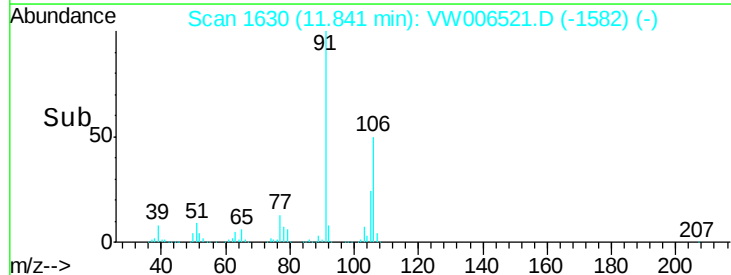
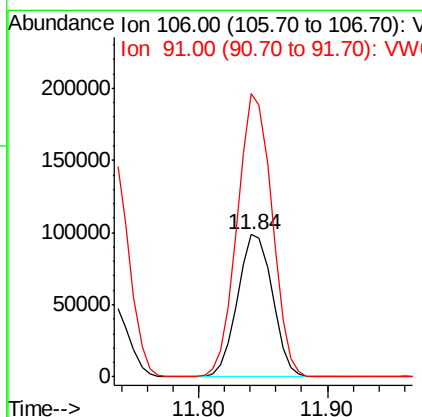
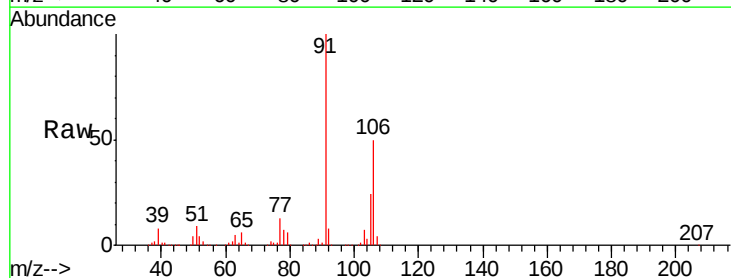
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

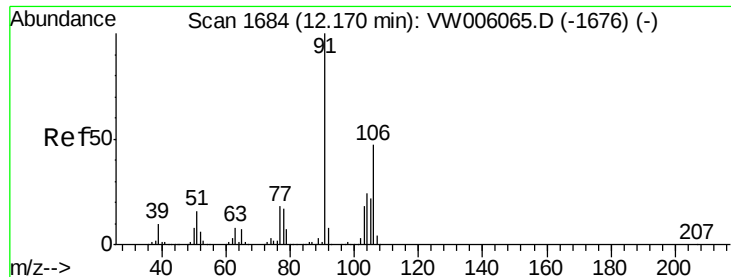
Tgt Ion: 91 Resp: 235982
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 45.34 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion: 106 Resp: 186384
Ion Ratio Lower Upper
106 100
91 197.3 159.1 238.7

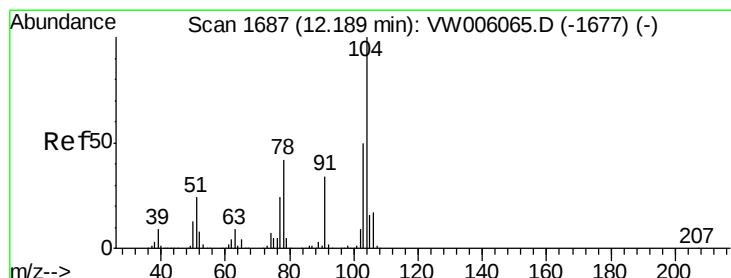
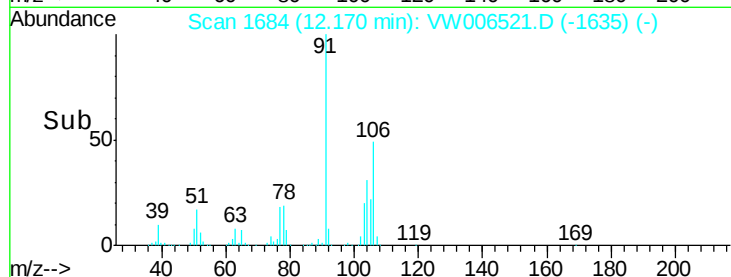
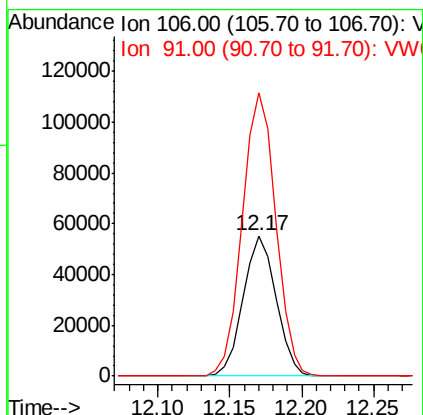
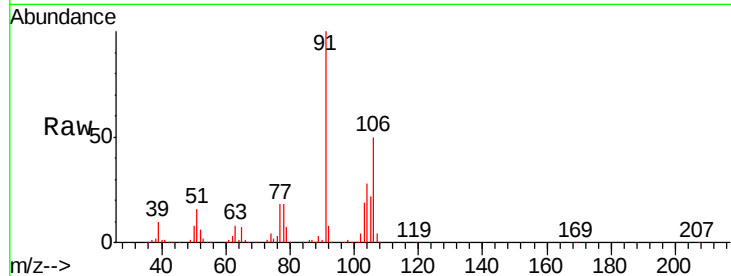




#69
o-Xylene
Concen: 22.30 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

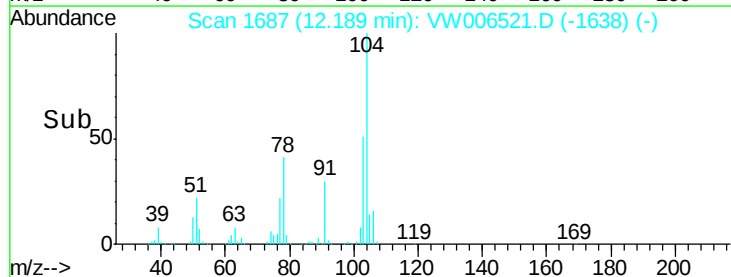
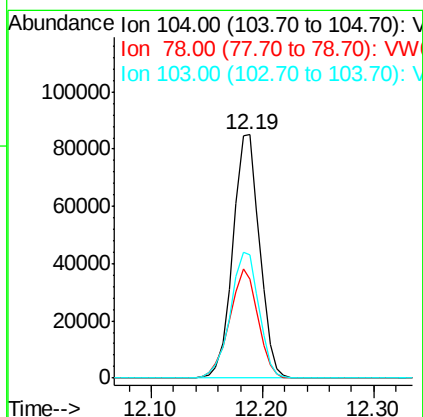
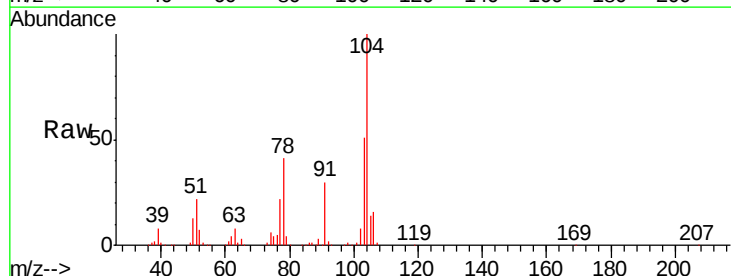
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

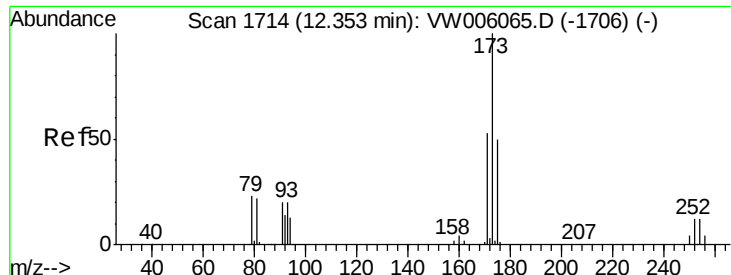
Tgt Ion:106 Resp: 87379
Ion Ratio Lower Upper
106 100
91 205.1 105.4 316.1



#70
Styrene
Concen: 22.14 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion:104 Resp: 141042
Ion Ratio Lower Upper
104 100
78 47.8 39.1 58.7
103 55.5 44.3 66.5





#71

Bromoform

Concen: 19.61 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

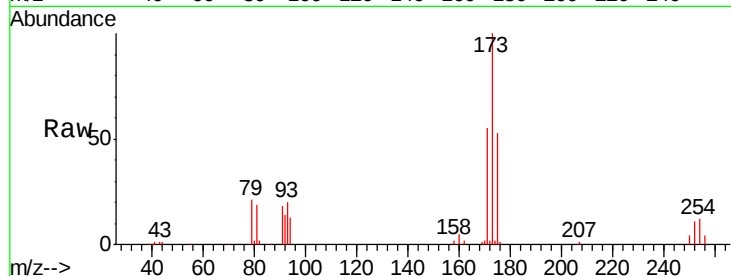
Tgt Ion:173 Resp: 23325

Ion Ratio Lower Upper

173 100

175 49.2 24.2 72.6

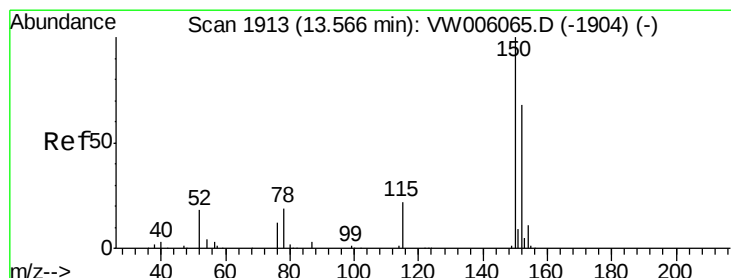
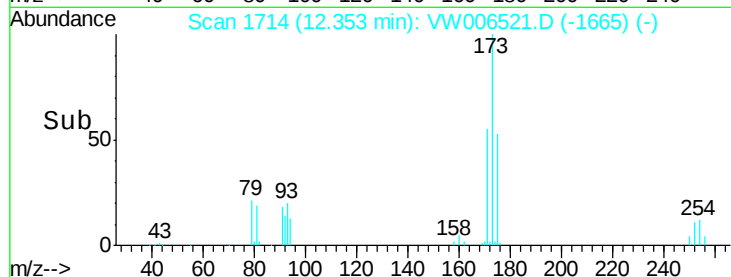
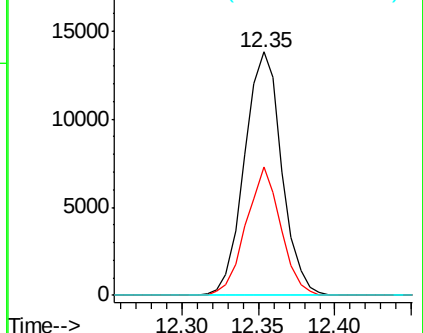
254 0.0 0.1 0.1#



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: VW006521.D

Acq: 31 Oct 2018 13:09

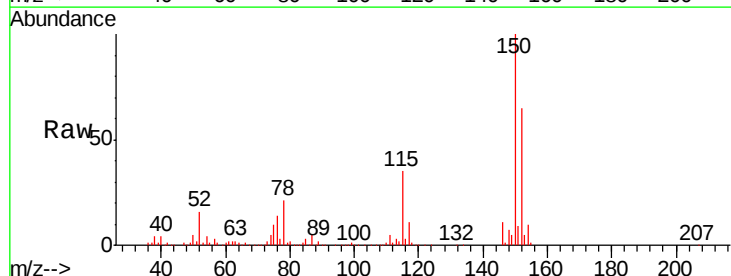
Tgt Ion:152 Resp: 157897

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

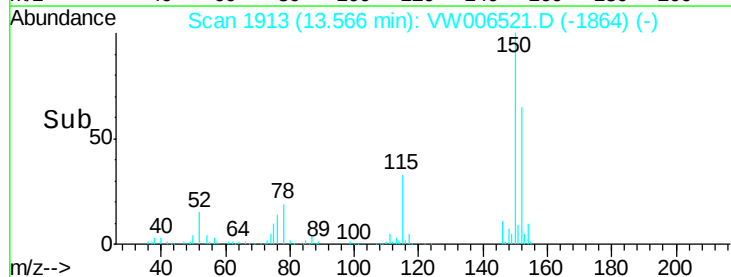
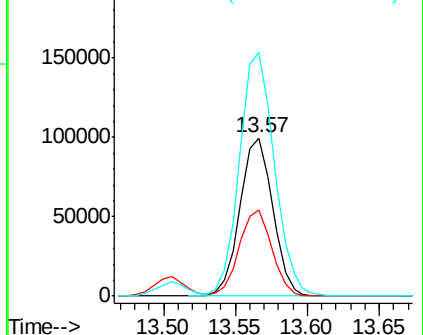
150 163.7 0.0 349.2

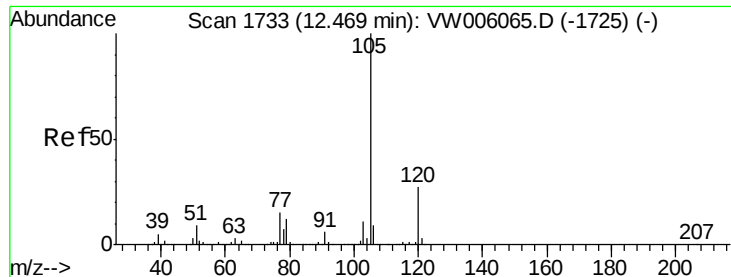


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.34 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

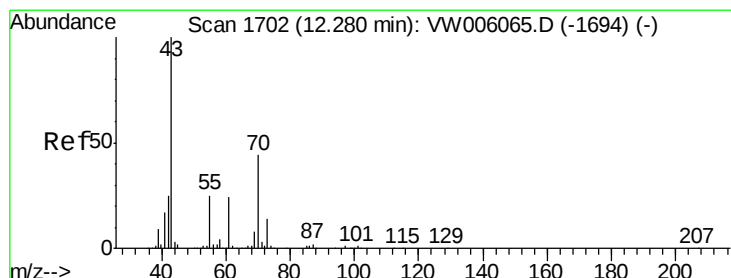
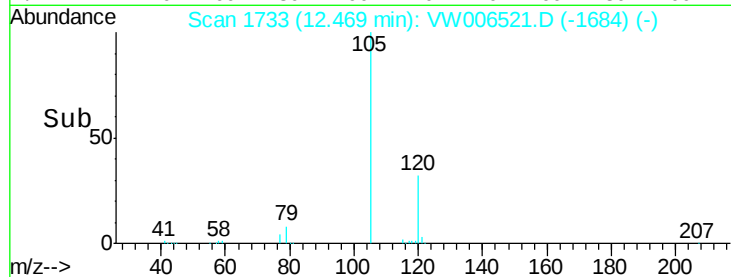
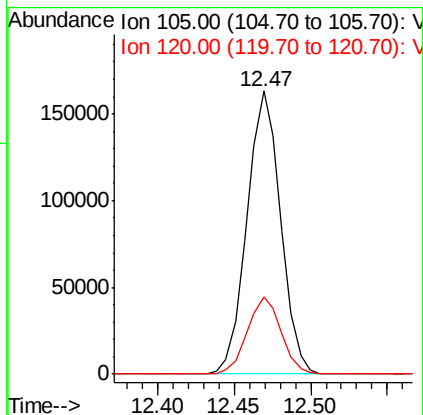
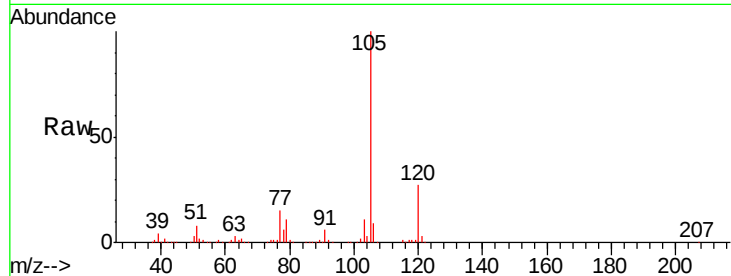
VW1101SBS01

Tgt Ion: 105 Resp: 249198

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 17.12 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Tgt Ion: 43 Resp: 37103

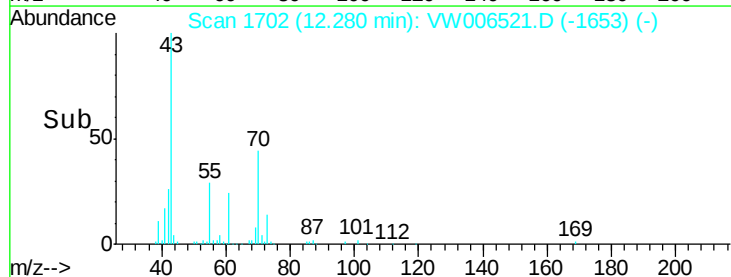
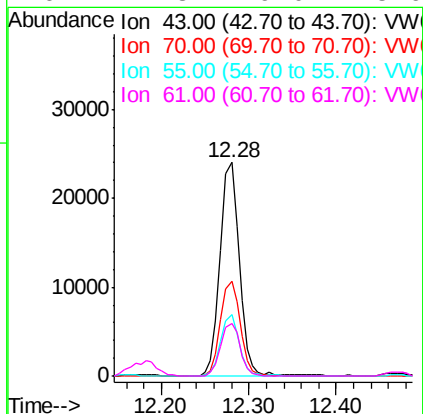
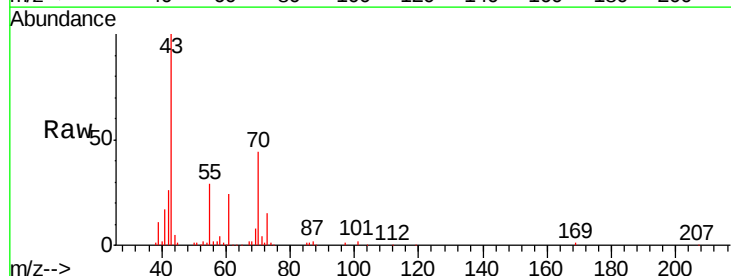
Ion Ratio Lower Upper

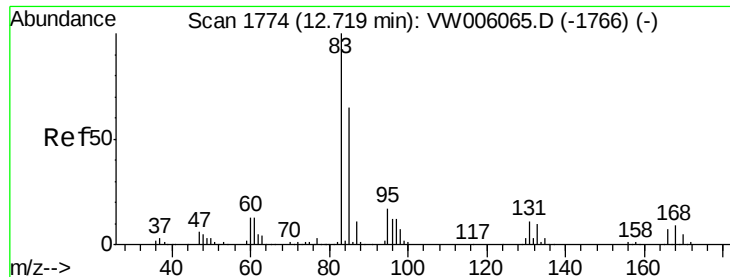
43 100

70 45.4 34.2 51.4

55 27.2 19.2 28.8

61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.13 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampled :

VW1101SBS01

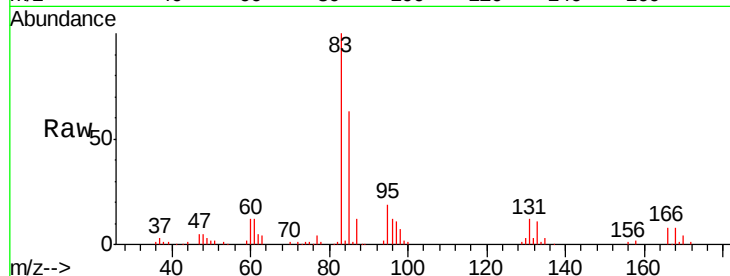
Tgt Ion: 83 Resp: 35849

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

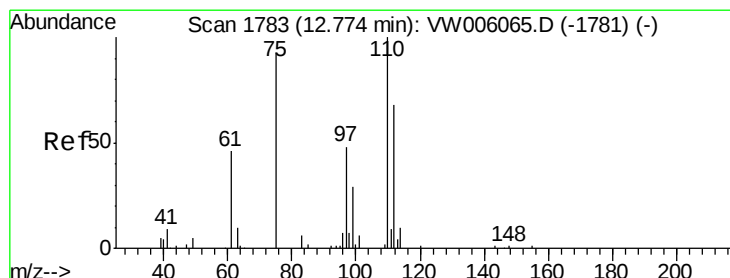
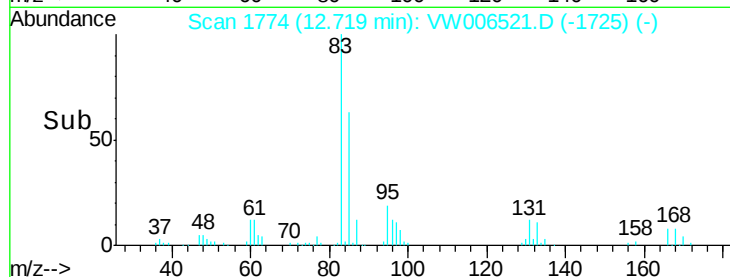
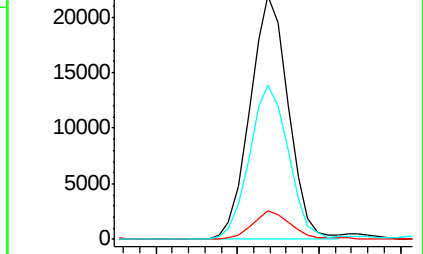
85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.11 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006521.D

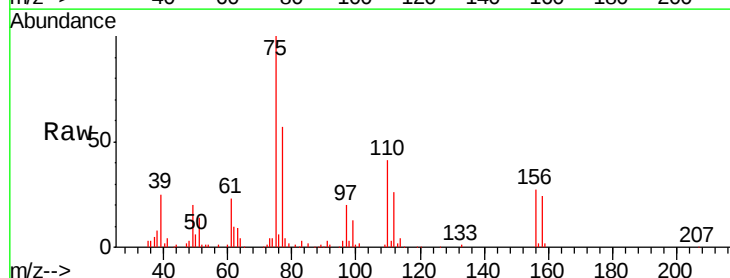
Acq: 31 Oct 2018 13:09

Tgt Ion: 75 Resp: 44755

Ion Ratio Lower Upper

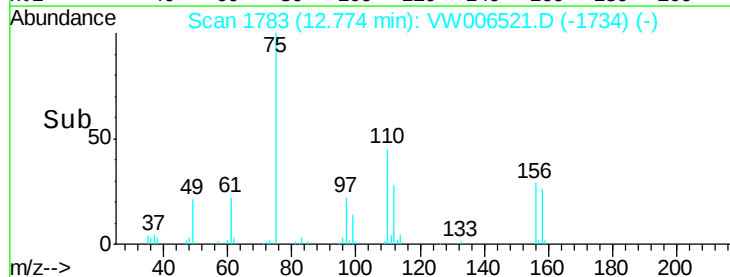
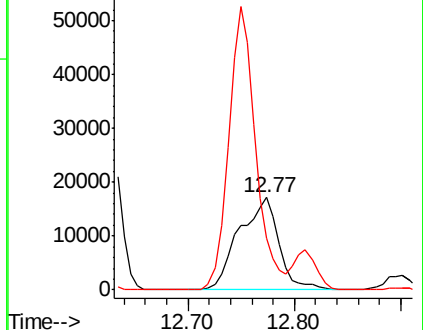
75 100

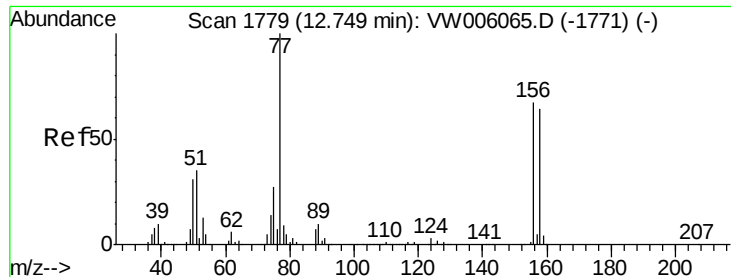
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.54 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

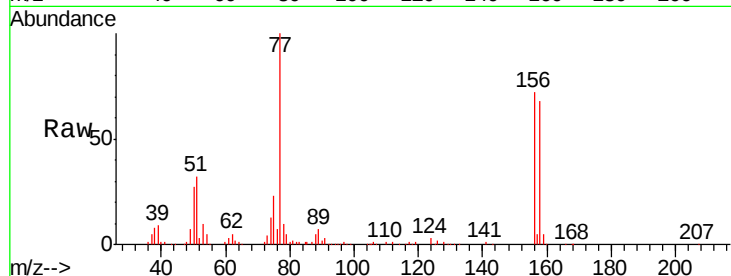
Tgt Ion:156 Resp: 61574

Ion Ratio Lower Upper

156 100

77 151.7 79.1 237.4

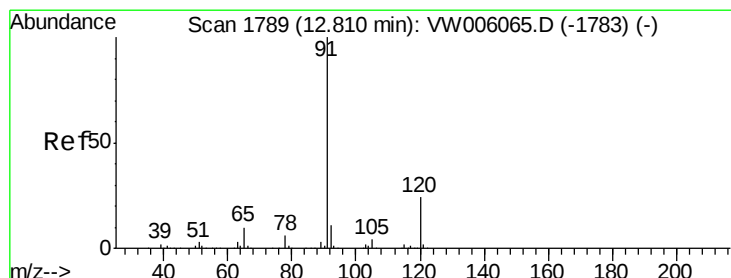
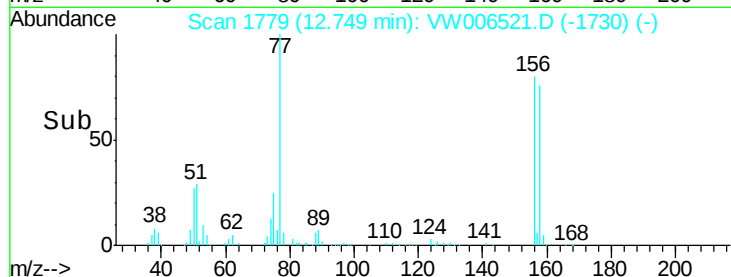
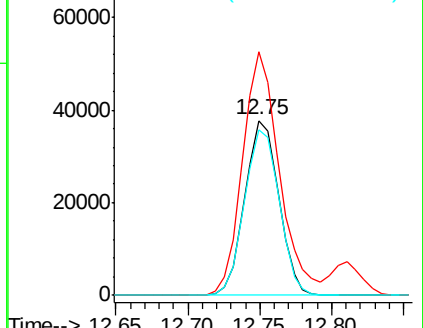
158 97.2 48.5 145.6



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: 22.62 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006521.D

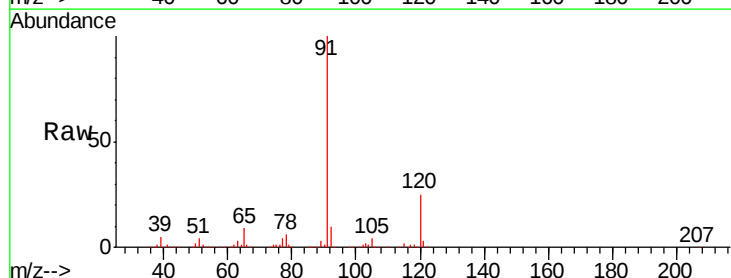
Acq: 31 Oct 2018 13:09

Tgt Ion: 91 Resp: 293569

Ion Ratio Lower Upper

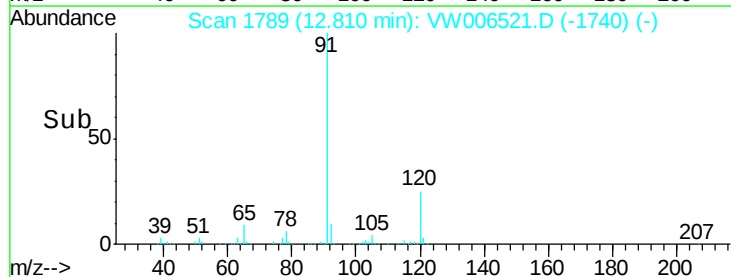
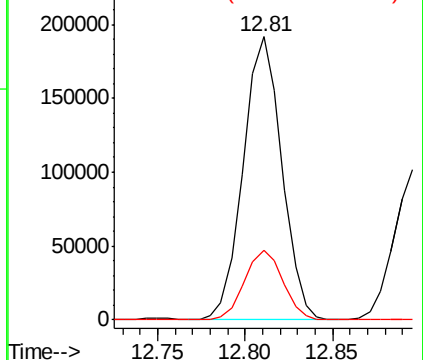
91 100

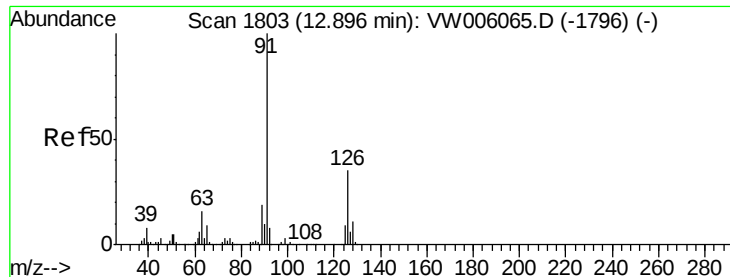
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

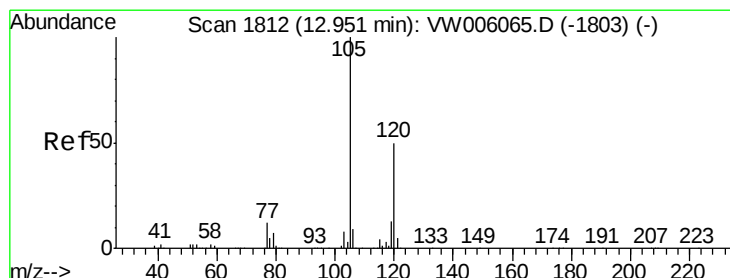
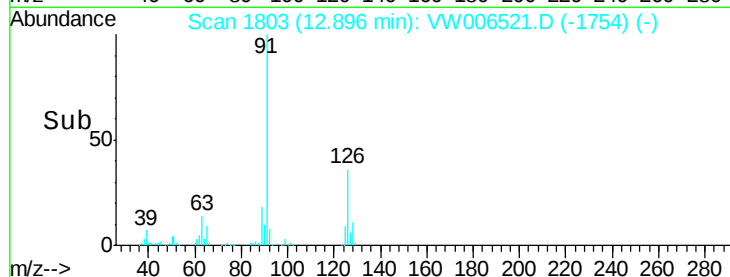
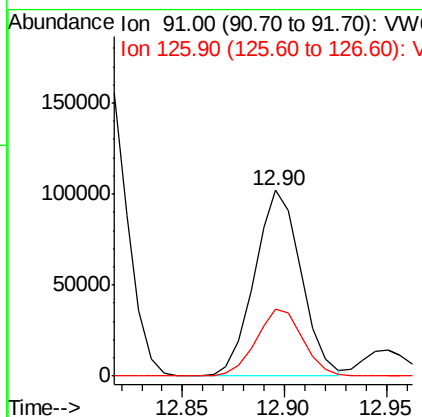
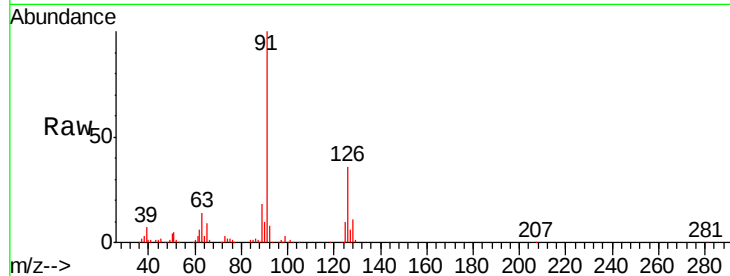




#79
 2-Chlorotoluene
 Concen: 22.22 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

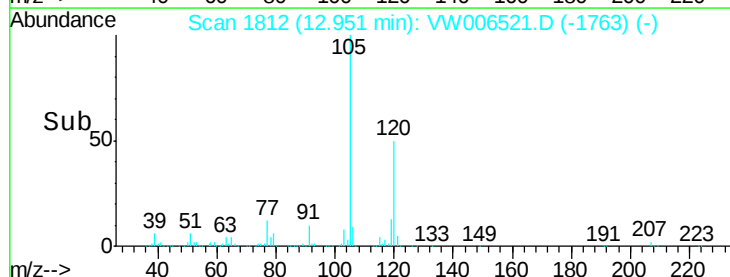
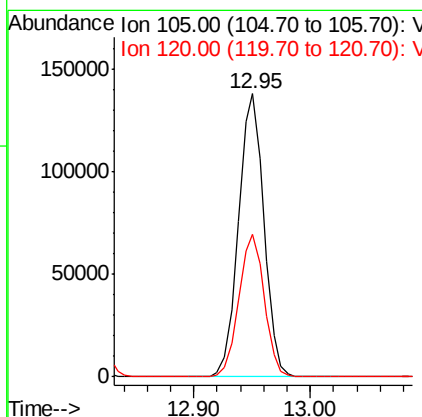
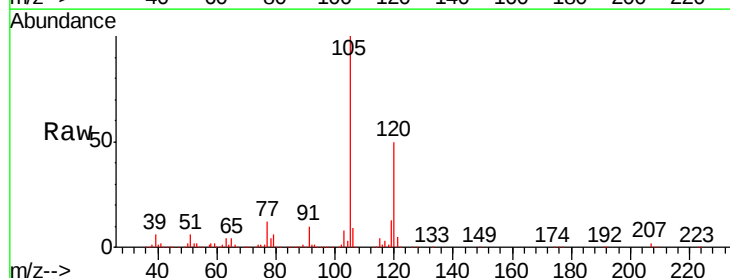
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tgt Ion: 91 Resp: 162022
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.35 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion: 105 Resp: 210211
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.96 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

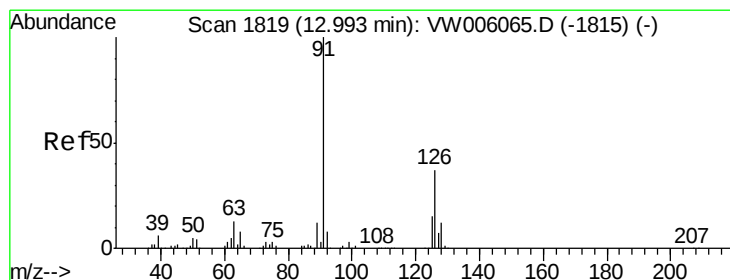
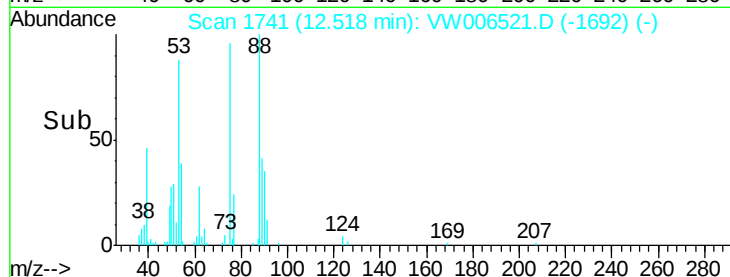
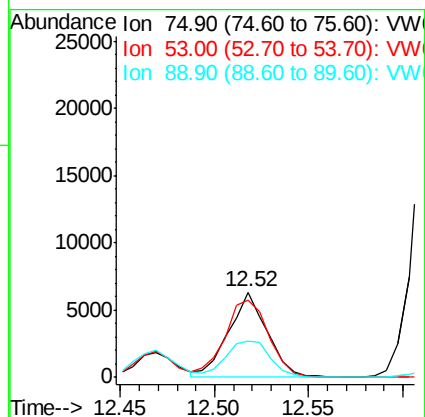
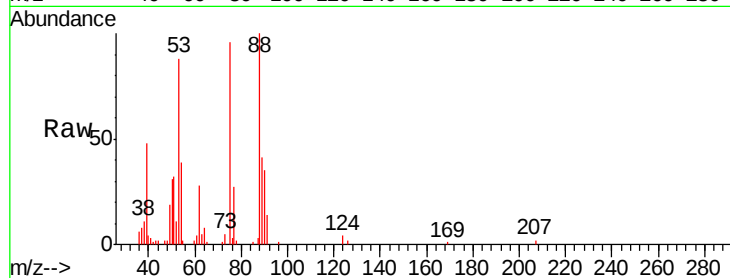
Tgt Ion: 75 Resp: 9059

Ion Ratio Lower Upper

75 100

53 102.3 79.8 119.6

89 47.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 22.66 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006521.D

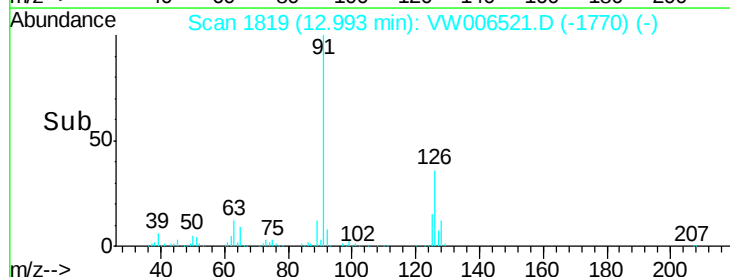
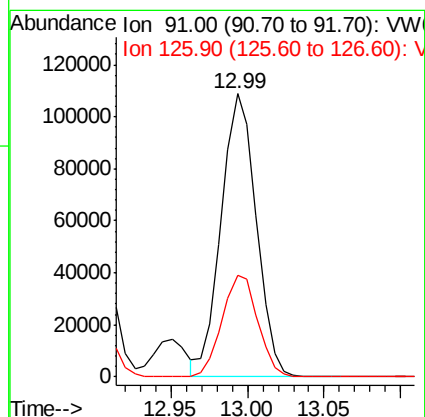
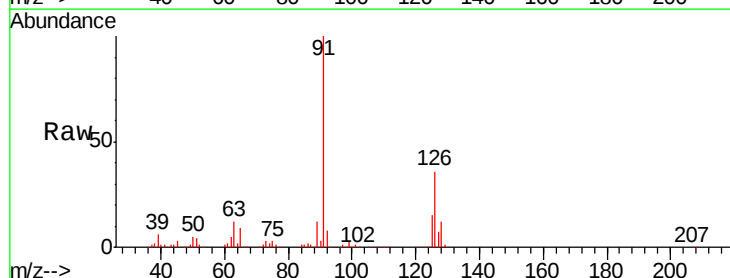
Acq: 31 Oct 2018 13:09

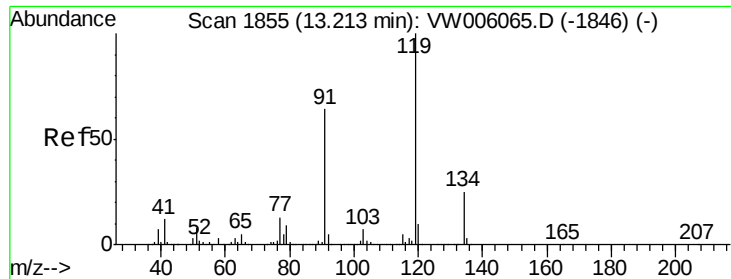
Tgt Ion: 91 Resp: 173072

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.3

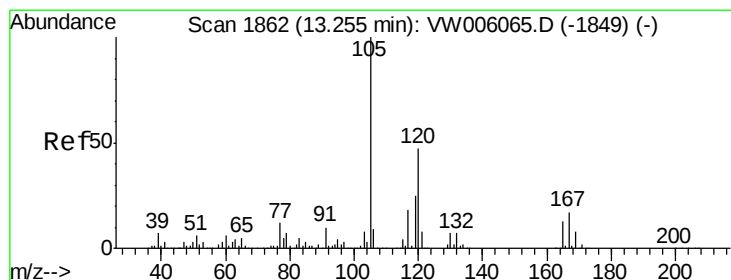
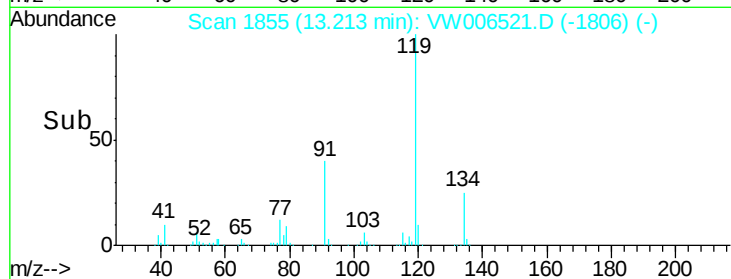
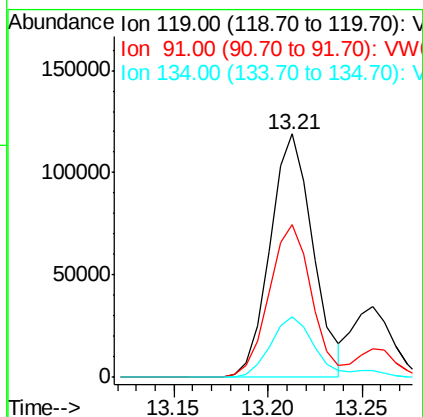
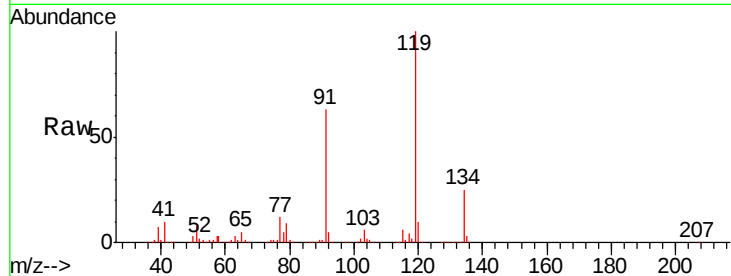




#83
 tert-Butylbenzene
 Concen: 22.30 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

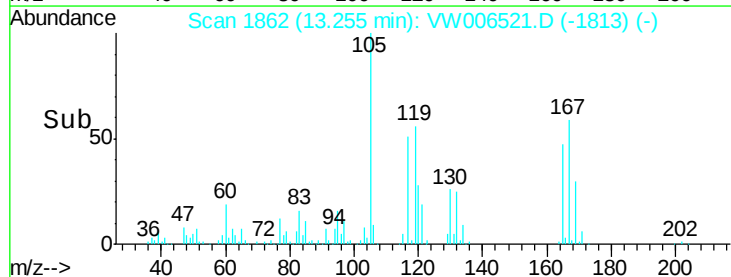
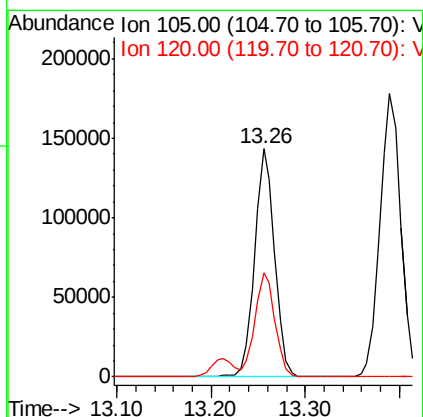
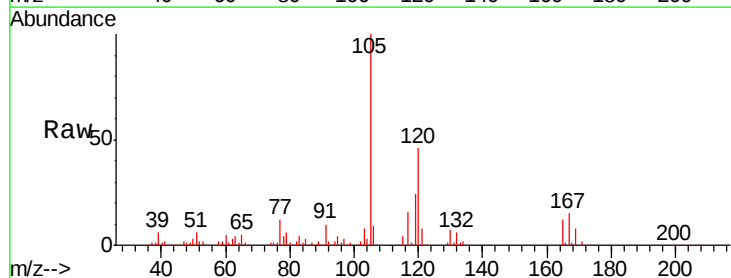
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

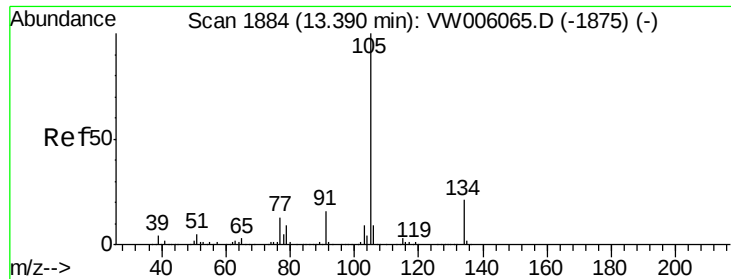
Tgt Ion:119 Resp: 187583
 Ion Ratio Lower Upper
 119 100
 91 62.0 32.3 96.9
 134 25.3 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.51 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion:105 Resp: 214157
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 22.84 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

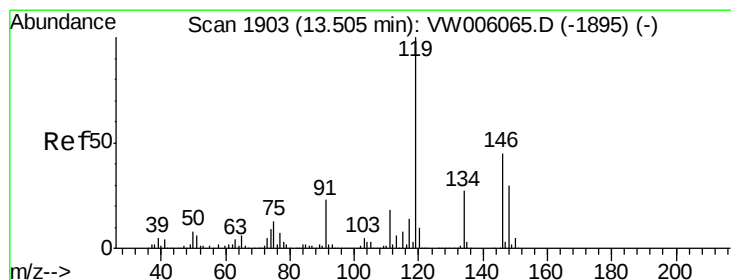
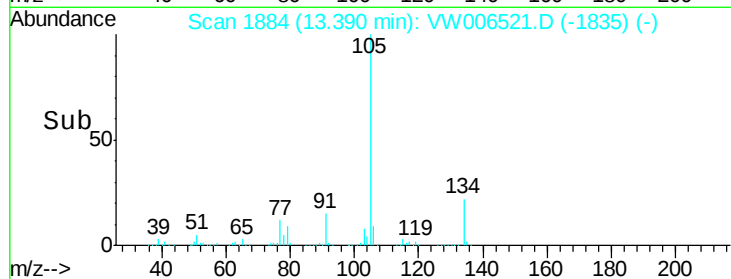
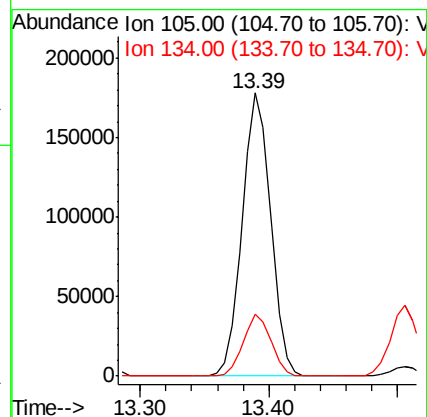
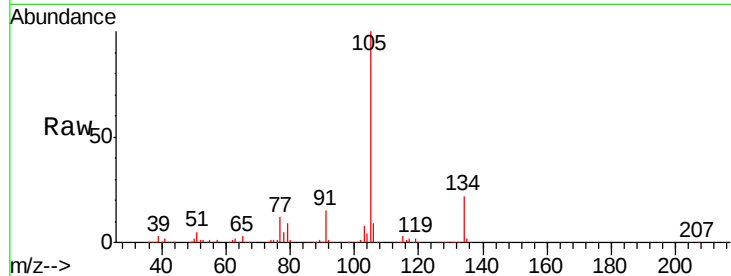
VW1101SBS01

Tgt Ion:105 Resp: 271465

Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.6



#86

p-Isopropyltoluene

Concen: 22.62 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

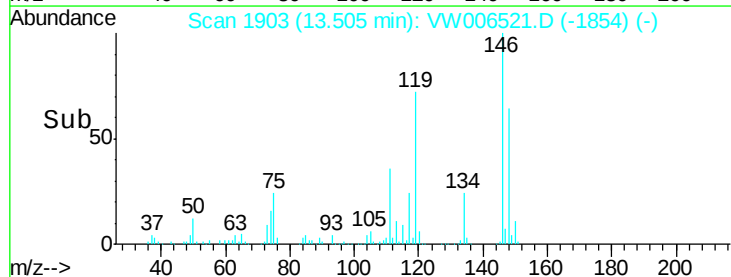
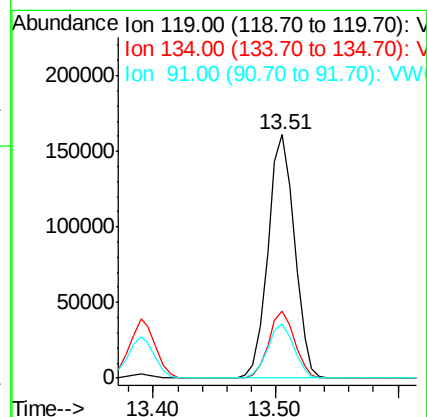
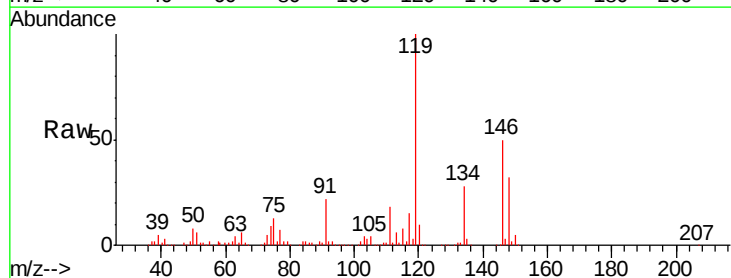
Tgt Ion:119 Resp: 243171

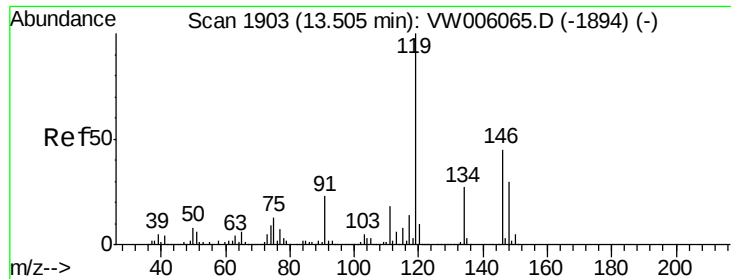
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.0 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 23.02 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

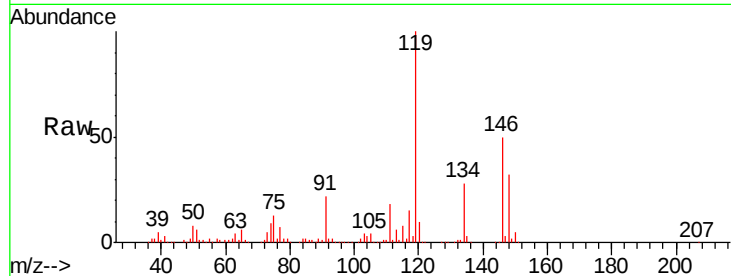
Tgt Ion:146 Resp: 125165

Ion Ratio Lower Upper

146 100

111 36.8 19.1 57.5

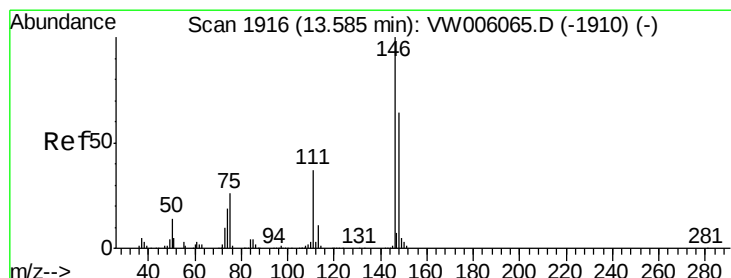
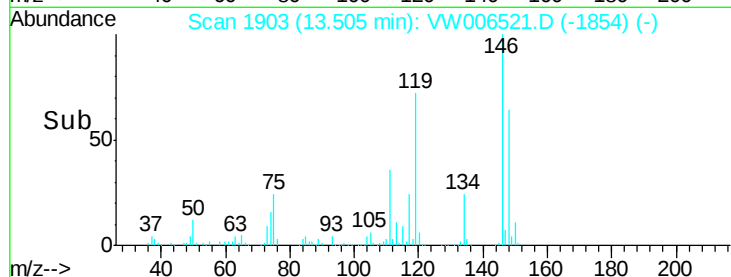
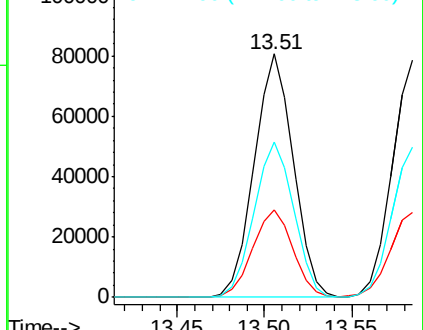
148 64.8 32.0 96.2



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: 22.68 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

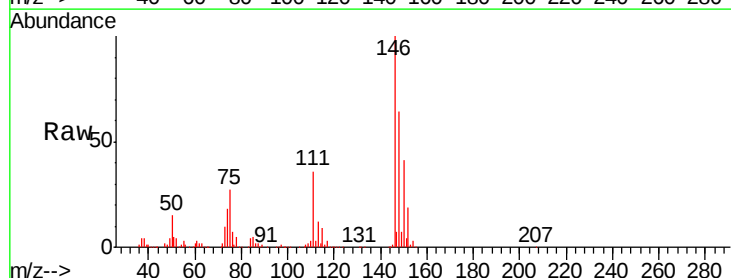
Tgt Ion:146 Resp: 122797

Ion Ratio Lower Upper

146 100

111 37.0 18.6 56.0

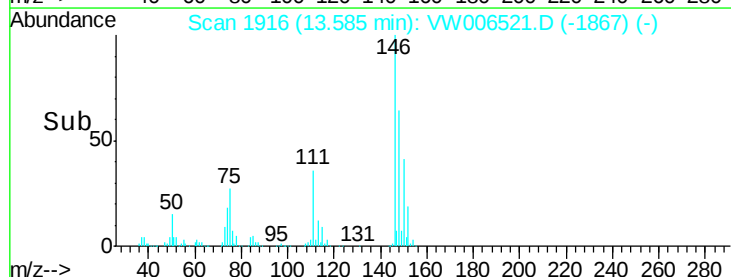
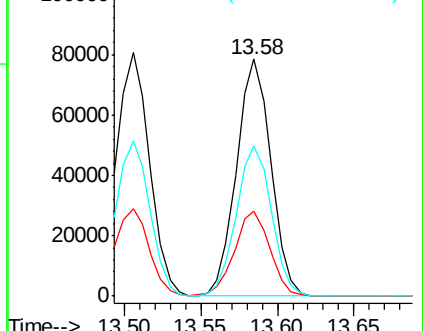
148 64.7 32.1 96.5



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: 22.71 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

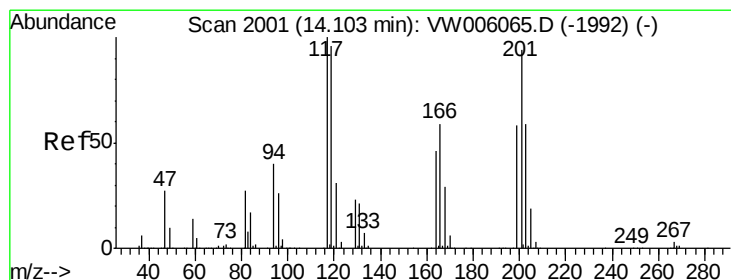
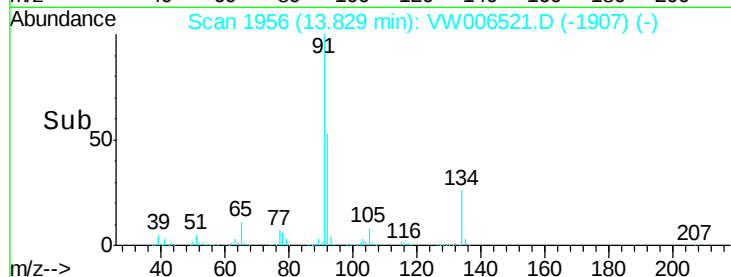
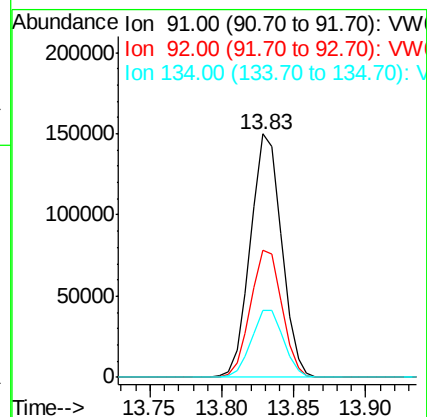
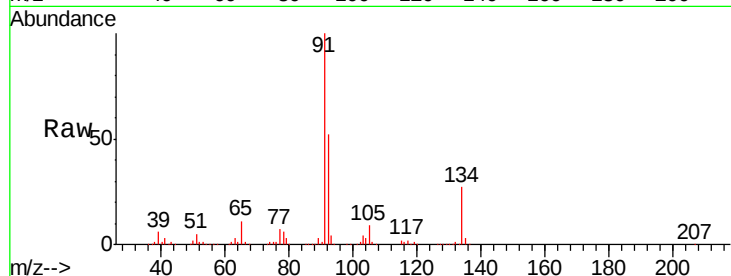
Tgt Ion: 91 Resp: 223290

Ion Ratio Lower Upper

91 100

92 52.8 26.6 79.7

134 28.3 14.0 41.9



#90

Hexachloroethane

Concen: 21.19 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006521.D

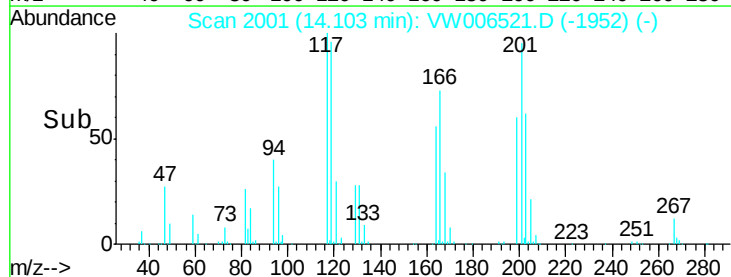
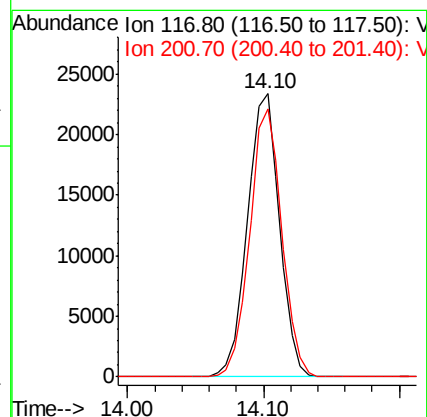
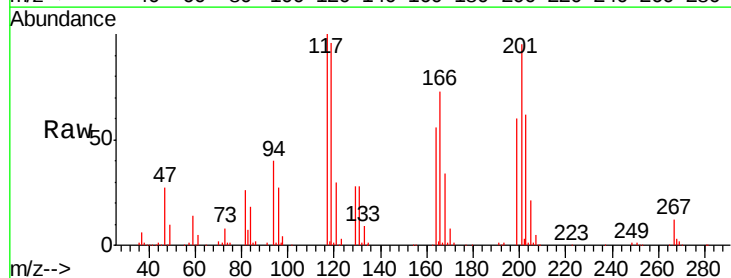
Acq: 31 Oct 2018 13:09

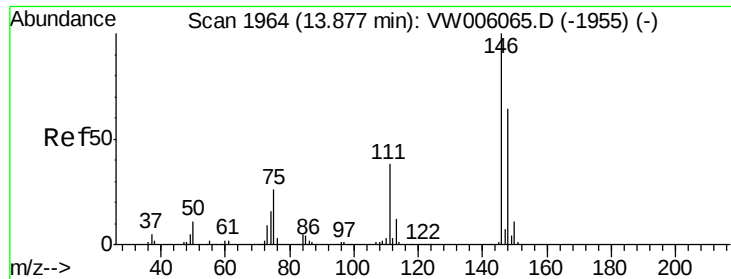
Tgt Ion: 117 Resp: 38587

Ion Ratio Lower Upper

117 100

201 94.7 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 22.62 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

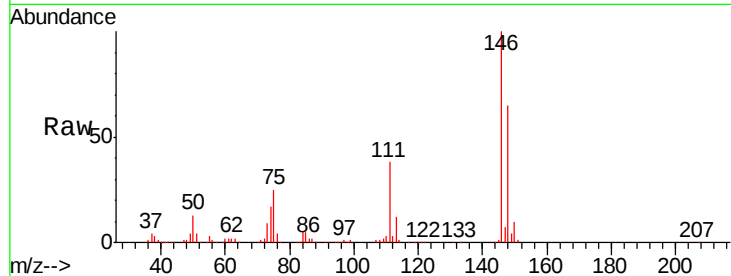
Tgt Ion:146 Resp: 109692

Ion Ratio Lower Upper

146 100

111 37.6 19.6 58.7

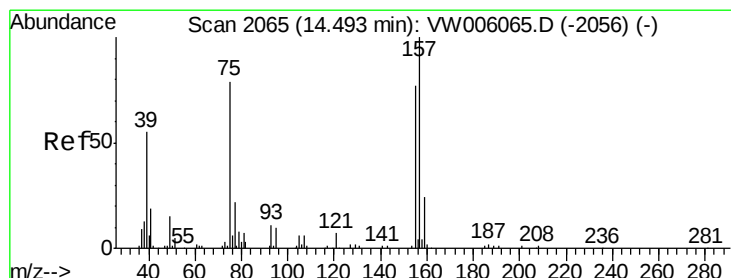
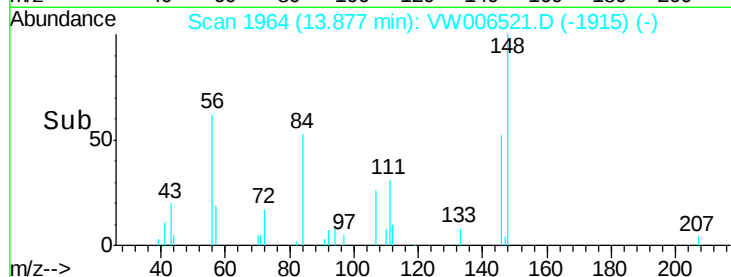
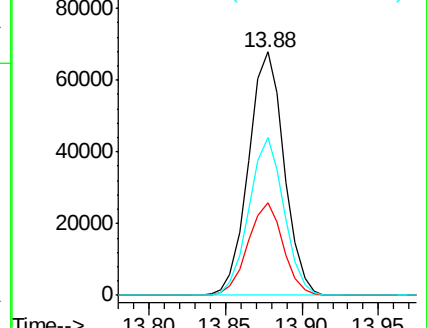
148 63.9 32.2 96.6



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: 18.31 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006521.D

Acq: 31 Oct 2018 13:09

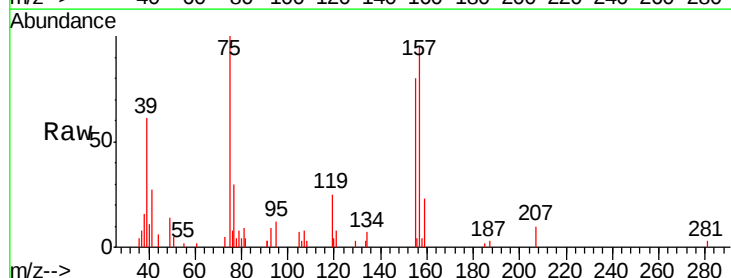
Tgt Ion: 75 Resp: 5562

Ion Ratio Lower Upper

75 100

155 96.3 46.5 139.5

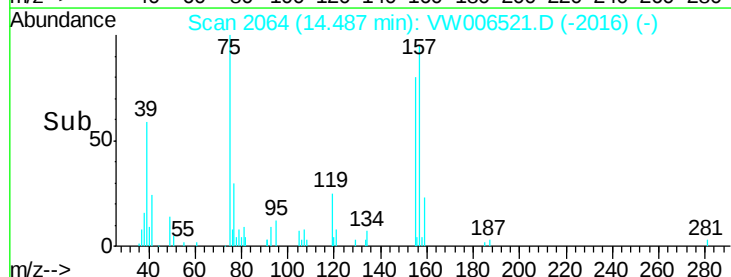
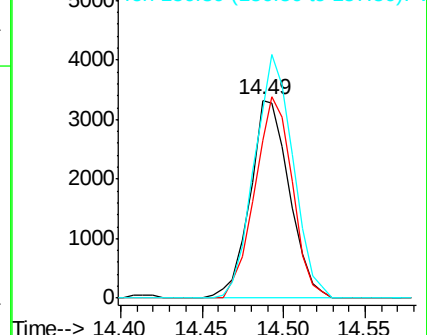
157 120.5 59.8 179.4

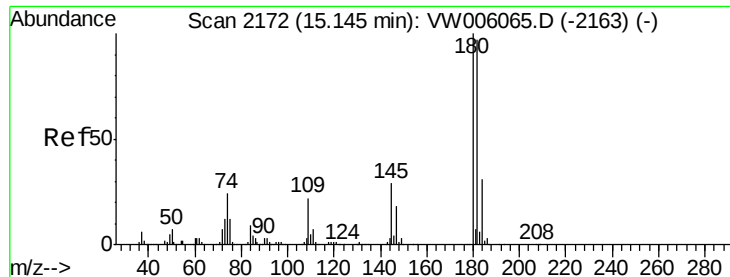


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

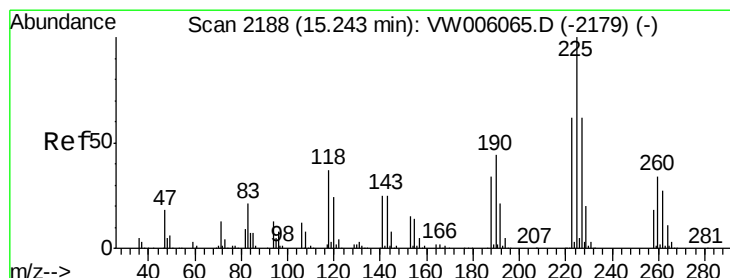
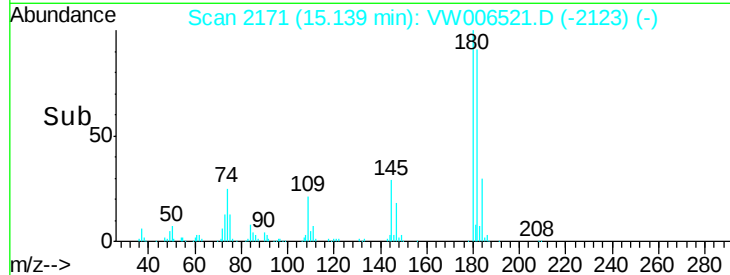
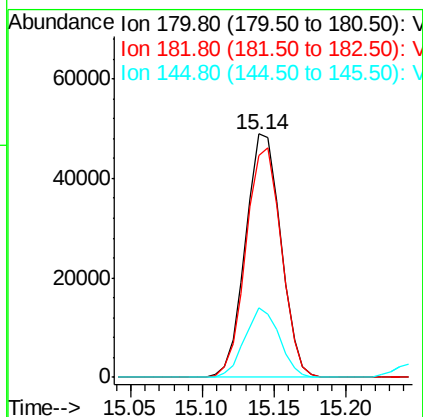
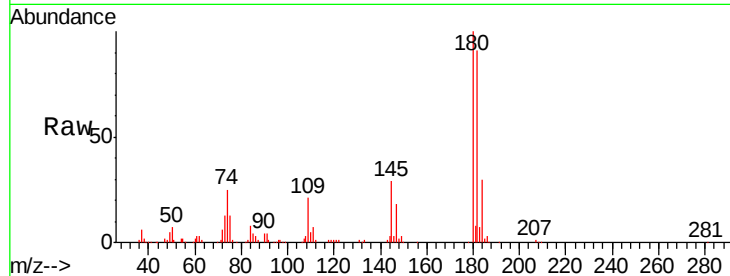




#93
 1,2,4-Trichlorobenzene
 Concen: 22.24 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

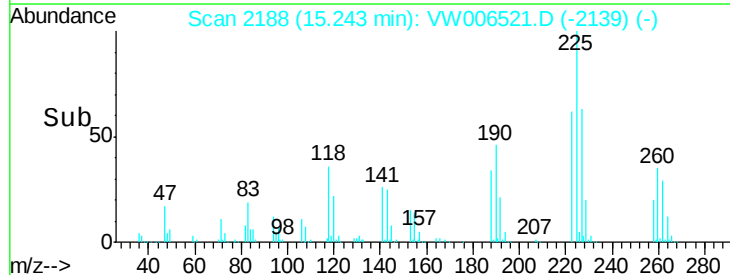
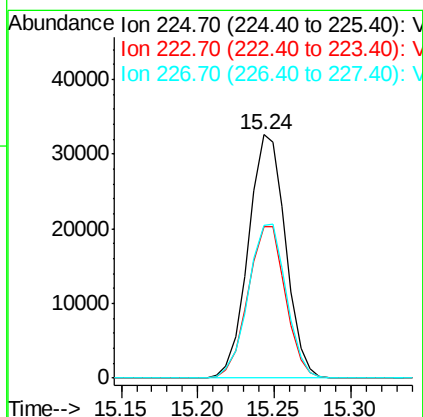
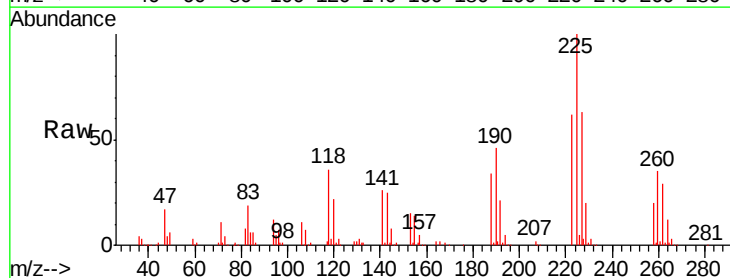
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

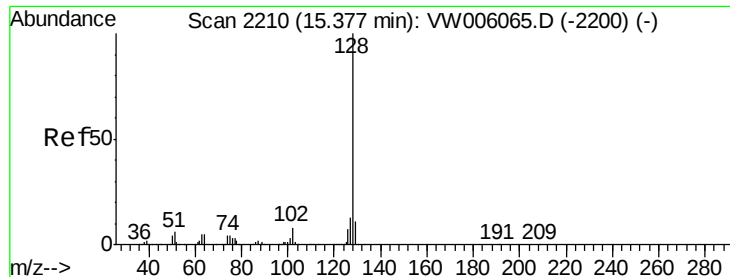
Tgt Ion:180 Resp: 83018
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.6
 145 28.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 23.56 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006521.D
 Acq: 31 Oct 2018 13:09

Tgt Ion:225 Resp: 55245
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.5
 227 64.3 32.4 97.0

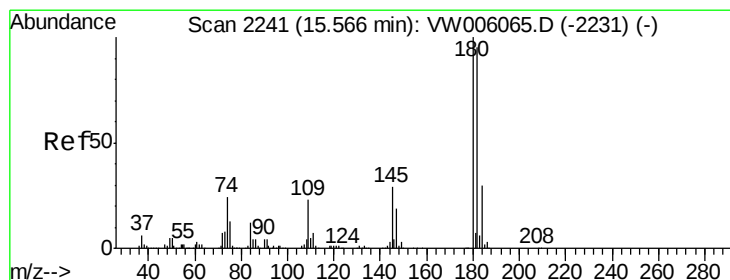
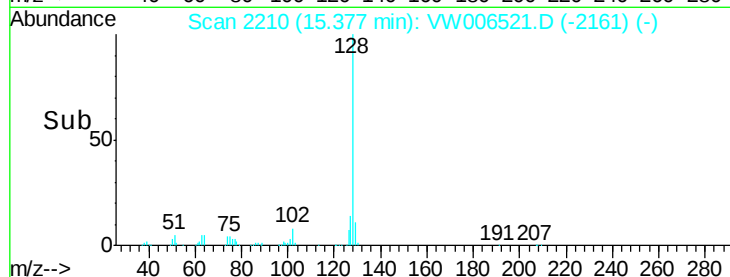
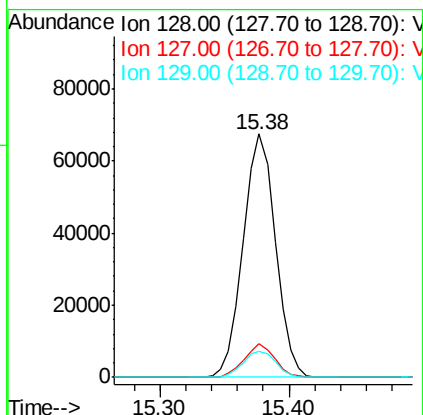
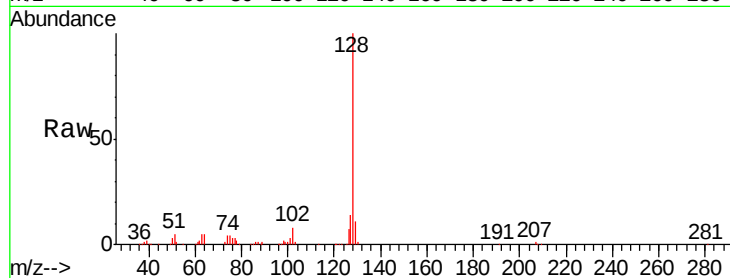




#95
Naphthalene
Concen: 18.89 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tgt Ion:128 Resp: 117253
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.73 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006521.D
Acq: 31 Oct 2018 13:09

Tgt Ion:180 Resp: 70160
Ion Ratio Lower Upper
180 100
182 96.1 47.8 143.3
145 29.9 15.0 45.1

