

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006198.D
 Acq On : 19 Oct 2018 03:03
 Operator : VA/AP
 Sample : VW1018SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

Quant Time: Oct 19 06:07:57 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	244832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	360055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	186353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107779	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	7.88	113	108342	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.33	98	405453	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	153967	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17786	14.680	ug/l	95
3) Chloromethane	2.21	50	27405	17.572	ug/l	100
4) Vinyl Chloride	2.37	62	41654	18.702	ug/l	98
5) Bromomethane	2.78	94	41367	20.421	ug/l	98
6) Chloroethane	2.93	64	30946	19.389	ug/l	98
7) Trichlorofluoromethane	3.26	101	34158	16.463	ug/l	98
8) Diethyl Ether	3.68	74	22459	20.368	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44285	20.367	ug/l	98
10) Methyl Iodide	4.26	142	74990	20.721	ug/l	100
11) Tert butyl alcohol	5.21	59	14141	103.588	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	41406	20.241	ug/l	95
13) Acrolein	3.90	56	13380	101.291	ug/l	94
14) Allyl chloride	4.67	41	57241	19.570	ug/l	99
15) Acrylonitrile	5.37	53	45267	114.454	ug/l	99
16) Acetone	4.14	43	40317	96.802	ug/l	96
17) Carbon Disulfide	4.38	76	106528	17.255	ug/l	95
18) Methyl Acetate	4.68	43	24254	23.744	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	67777	21.753	ug/l	95
20) Methylene Chloride	4.92	84	52633	23.648	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	48984	21.453	ug/l	97
22) Diisopropyl ether	6.32	45	125886	21.779	ug/l	99
23) Vinyl Acetate	6.26	43	354582	103.947	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81221	21.777	ug/l	99
25) 2-Butanone	7.18	43	60240	109.858	ug/l	99
26) 2,2-Dichloropropane	7.17	77	47231	17.955	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	56294	22.341	ug/l	98
28) Bromochloromethane	7.51	49	27782	19.295	ug/l	99
29) Tetrahydrofuran	7.54	42	37153	110.228	ug/l	99
30) Chloroform	7.68	83	90558	22.286	ug/l	98
31) Cyclohexane	7.95	56	71815	19.335	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	74332	20.279	ug/l	98
36) 1,1-Dichloropropene	8.09	75	67883	20.455	ug/l	100
37) Ethyl Acetate	7.26	43	26623	21.592	ug/l	99
38) Carbon Tetrachloride	8.07	117	69694	19.157	ug/l	99

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 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	86136	19.526	ug/l	98
40) Benzene	8.32	78	194538	21.370	ug/l	100
41) Methacrylonitrile	7.49	41	15264	20.535	ug/l	94
42) 1,2-Dichloroethane	8.40	62	59139	22.111	ug/l	100
43) Isopropyl Acetate	8.43	43	52017	20.633	ug/l	99
44) Trichloroethene	9.09	130	60122	21.527	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47152	21.645	ug/l	97
46) Dibromomethane	9.46	93	27478	22.132	ug/l	98
47) Bromodichloromethane	9.65	83	60293	20.030	ug/l	100
48) Methyl methacrylate	9.44	41	24994	20.915	ug/l	92
49) 1,4-Dioxane	9.47	88	8931	467.257	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	137447	108.812	ug/l	99
52) Toluene	10.39	92	130030	21.305	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	56761	18.926	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	67847	19.711	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38221	21.998	ug/l	97
56) Ethyl methacrylate	10.65	69	45213	21.227	ug/l	98
57) 1,3-Dichloropropane	10.93	76	63837	22.195	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	90814	111.581	ug/l	99
59) 2-Hexanone	10.98	43	93144	103.299	ug/l	98
60) Dibromochloromethane	11.13	129	42654	19.709	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38157	21.979	ug/l	100
64) Tetrachloroethene	10.87	164	56222	21.709	ug/l	98
65) Chlorobenzene	11.66	112	153880	21.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52043	20.506	ug/l	99
67) Ethyl Benzene	11.74	91	264013	21.332	ug/l	99
68) m/p-Xylenes	11.84	106	204628	41.831	ug/l	99
69) o-Xylene	12.17	106	99265	21.292	ug/l	98
70) Styrene	12.18	104	161952	21.363	ug/l	100
71) Bromoform	12.35	173	25558	18.055	ug/l #	99
73) Isopropylbenzene	12.47	105	275408	20.919	ug/l	100
74) N-amyl acetate	12.28	43	52133	20.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43466	21.707	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	54427	38.238	ug/l #	100
77) Bromobenzene	12.75	156	68426	21.220	ug/l	99
78) n-propylbenzene	12.81	91	320053	20.896	ug/l	100
79) 2-Chlorotoluene	12.90	91	184046	21.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	233801	21.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9347	15.697	ug/l	86
82) 4-Chlorotoluene	12.99	91	193772	21.495	ug/l	99
83) tert-Butylbenzene	13.21	119	206927	20.839	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	238204	21.210	ug/l	99
85) sec-Butylbenzene	13.39	105	290709	20.723	ug/l	100
86) p-Isopropyltoluene	13.51	119	264398	20.837	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	137482	21.423	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138139	21.619	ug/l	100
89) n-Butylbenzene	13.83	91	239829	20.667	ug/l	100
90) Hexachloroethane	14.10	117	38527	17.926	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	124834	21.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6667	18.597	ug/l	94

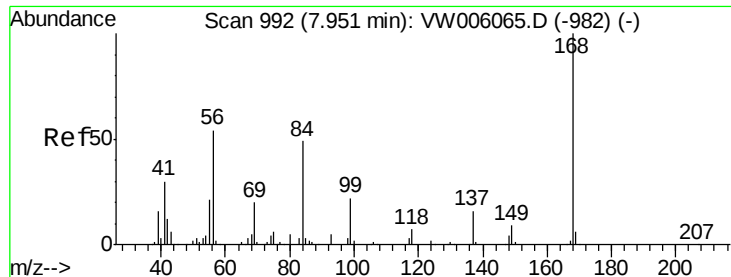
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	94082	21.360	ug/l	100
94) Hexachlorobutadiene	15.24	225	57281	20.702	ug/l	99
95) Naphthalene	15.38	128	160589	21.917	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	83772	21.989	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

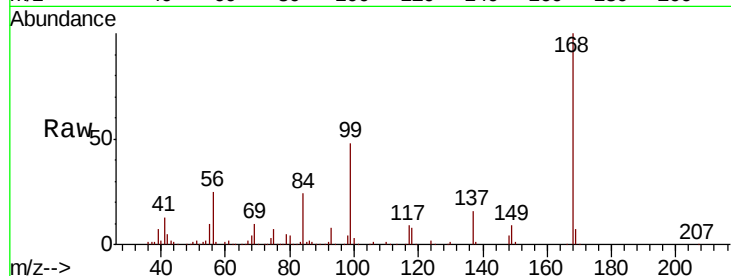
VW1018SBS02

Tot Ion:168 Resp: 244832

Ion Ratio Lower Upper

168 100

99 47.7 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

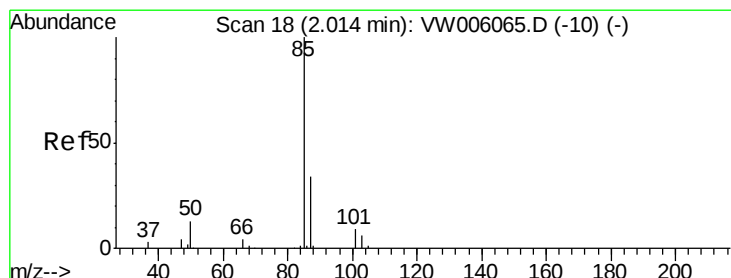
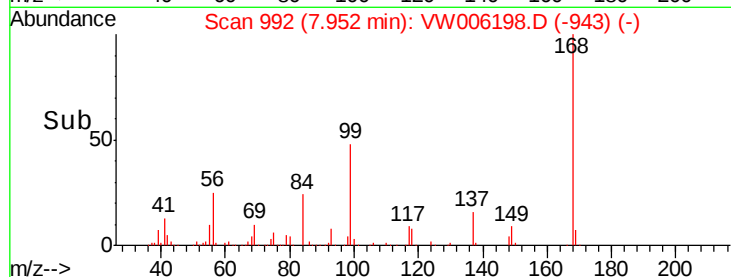
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 14.680 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006198.D

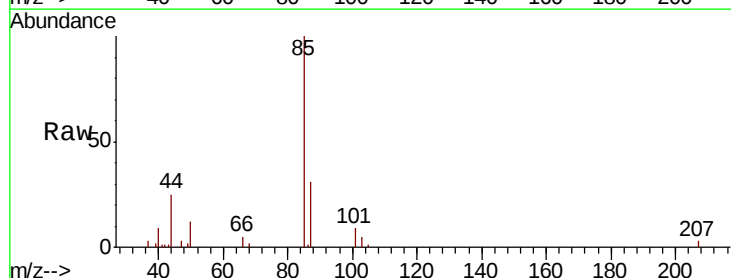
Acq: 19 Oct 2018 03:03

Tgt Ion: 85 Resp: 17786

Ion Ratio Lower Upper

85 100

87 30.8 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

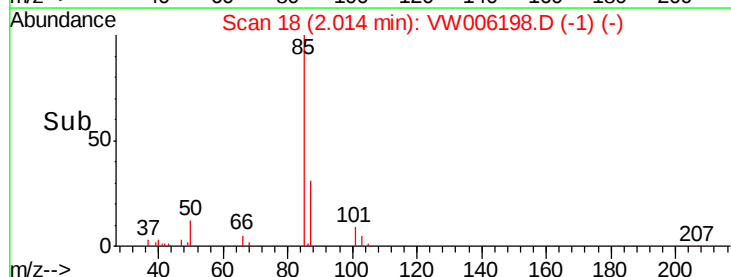
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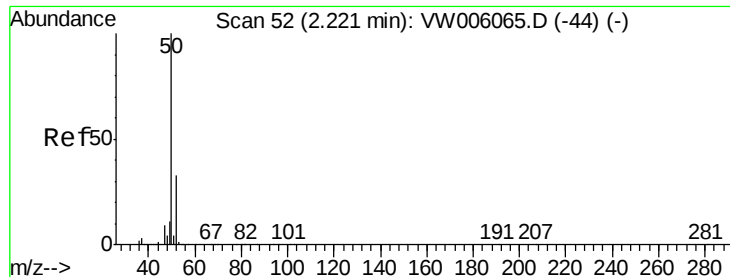
1000

0

1.90 2.00 2.10

Time-->

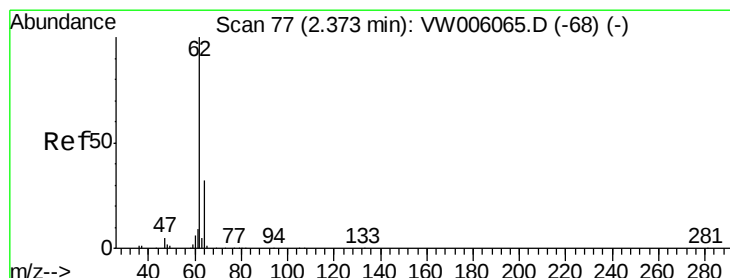
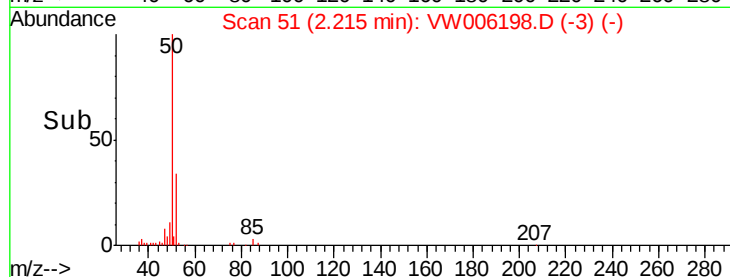
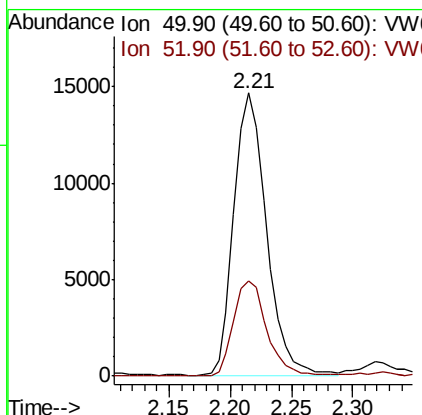
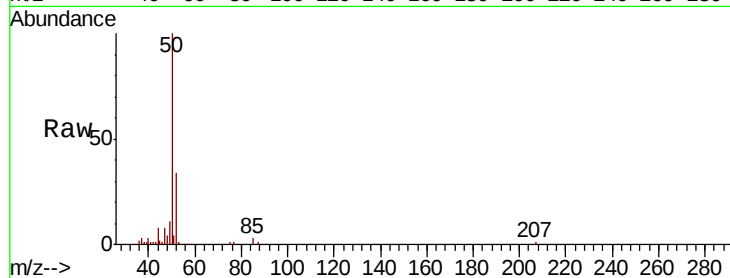




#3
Chloromethane
Concen: 17.572 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

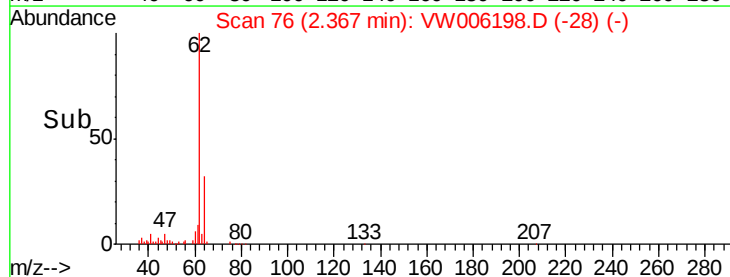
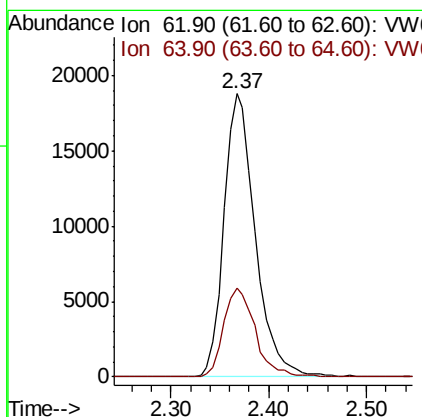
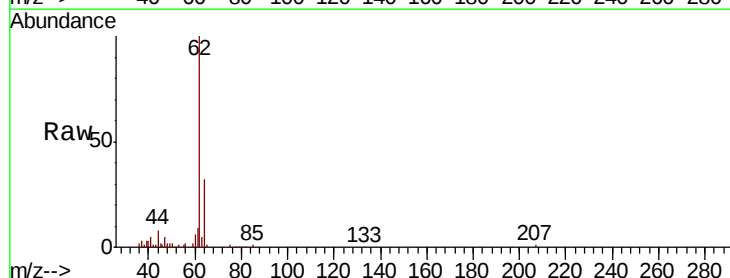
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

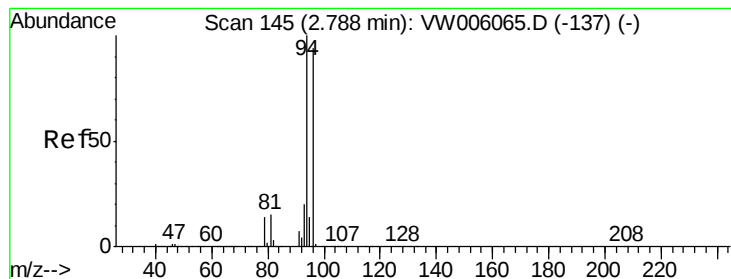
Tot Ion: 50 Resp: 27405
Ion Ratio Lower Upper
50 100
52 33.8 26.8 40.2



#4
Vinyl Chloride
Concen: 18.702 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 62 Resp: 41654
Ion Ratio Lower Upper
62 100
64 31.5 25.9 38.9





#5

Bromomethane

Concen: 20.421 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

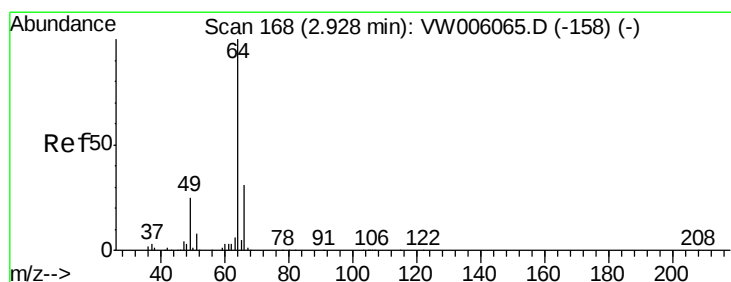
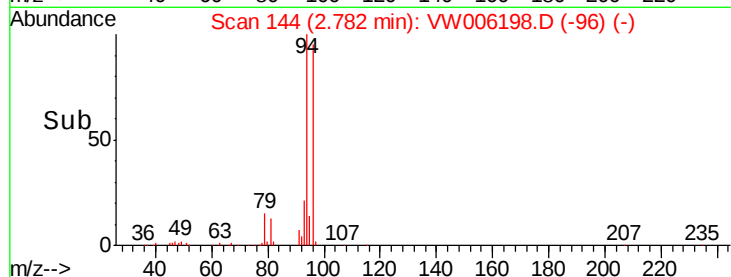
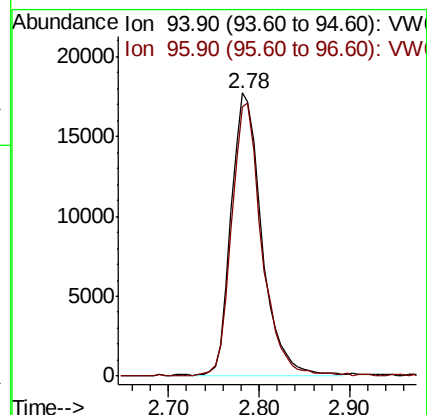
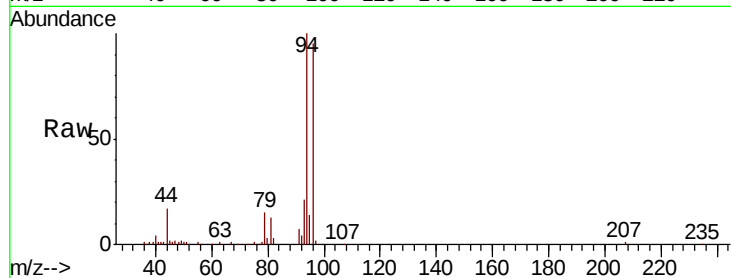
VW1018SBS02

Tot Ion: 94 Resp: 41367

Ion Ratio Lower Upper

94 100

96 95.2 74.9 112.3



#6

Chloroethane

Concen: 19.389 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006198.D

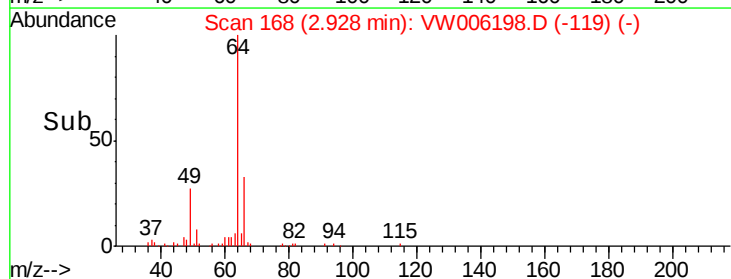
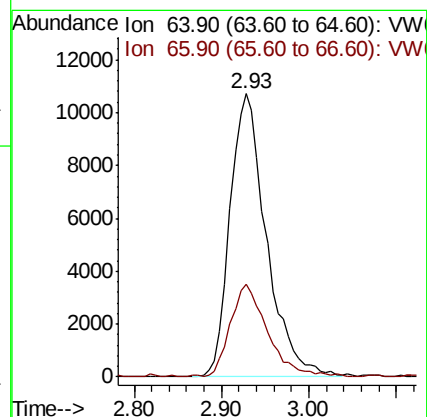
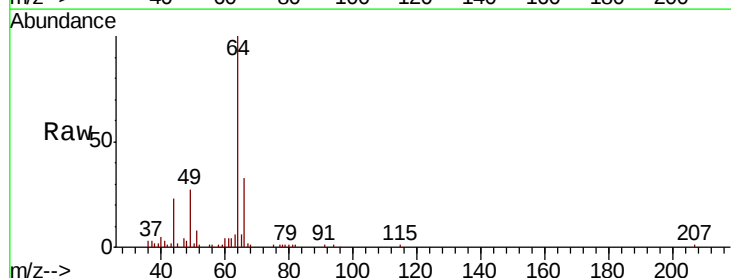
Acq: 19 Oct 2018 03:03

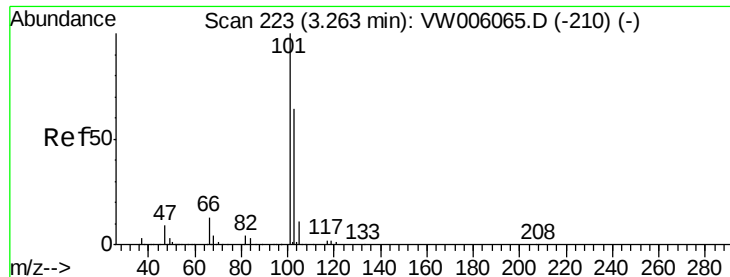
Tgt Ion: 64 Resp: 30946

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3



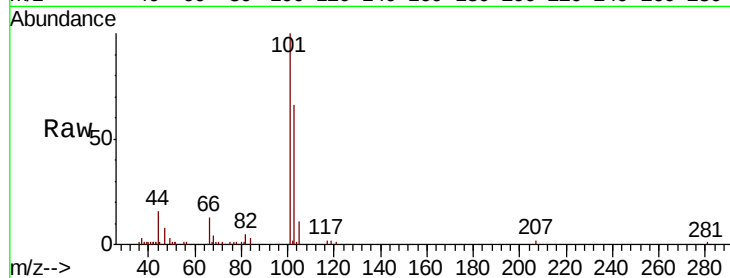


#7

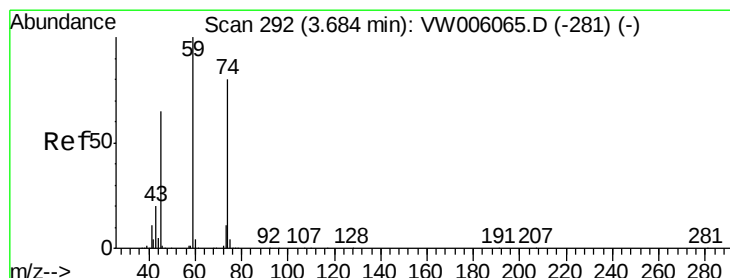
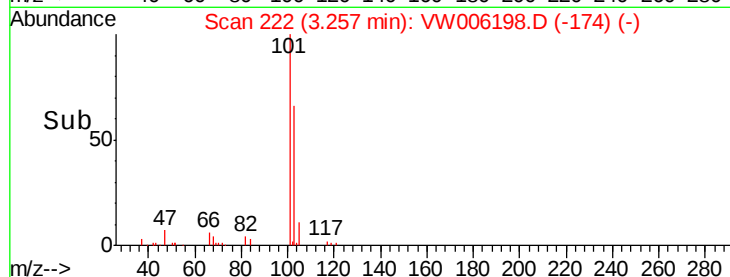
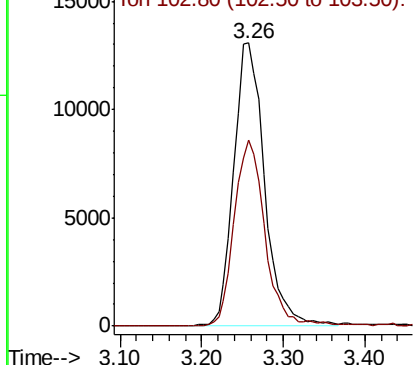
Trichlorofluoromethane
 Concen: 16.463 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Instrument :
 MSVOA_W
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 VW1018SBS02

Tot Ion:101 Resp: 34158
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.2 76.8



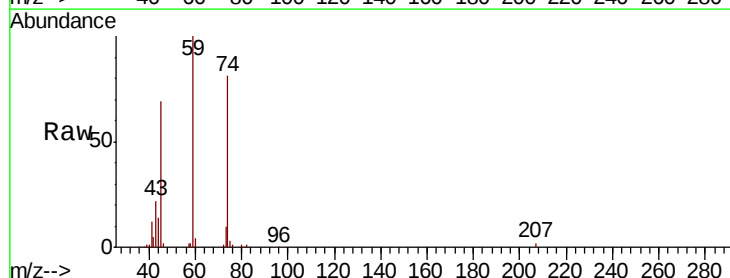
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



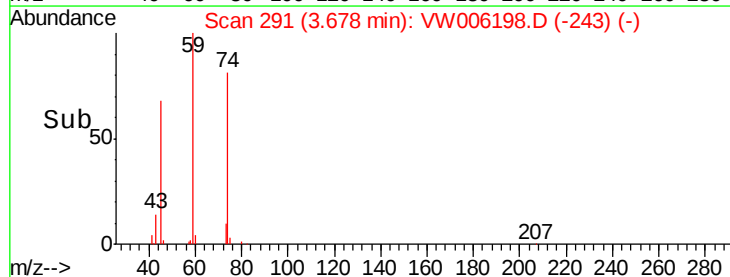
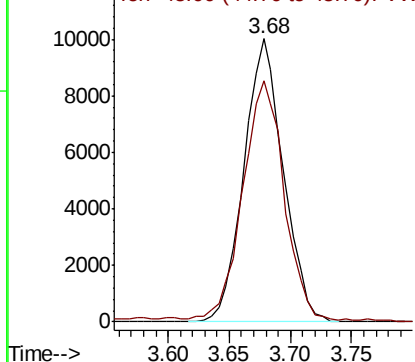
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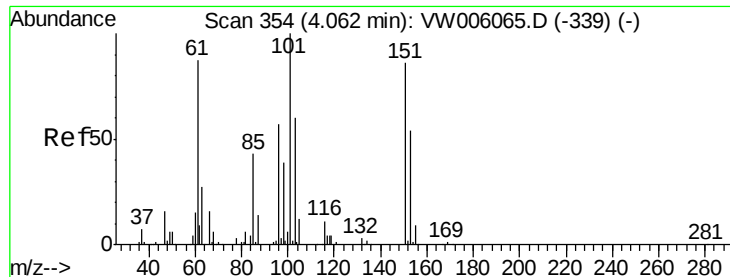
Diethyl Ether
 Concen: 20.368 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion: 74 Resp: 22459
 Ion Ratio Lower Upper
 74 100
 45 88.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.367 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

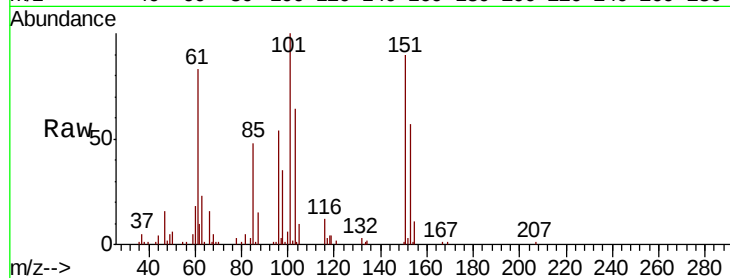
Tot Ion:101 Resp: 44285

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

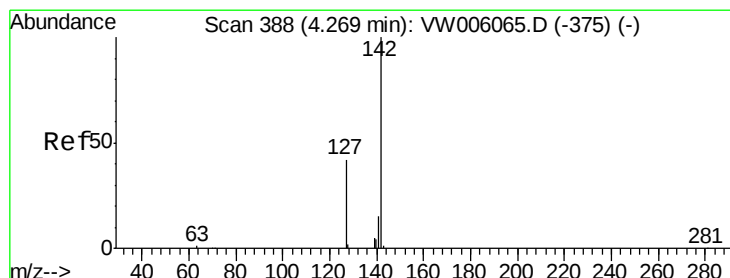
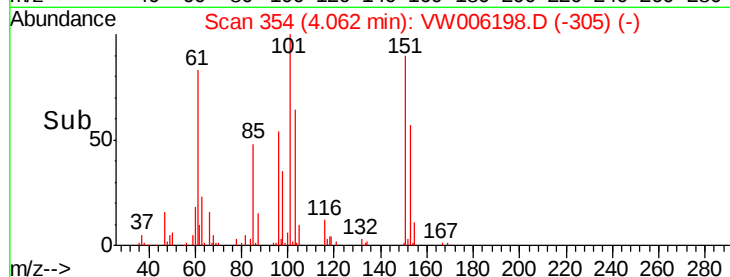
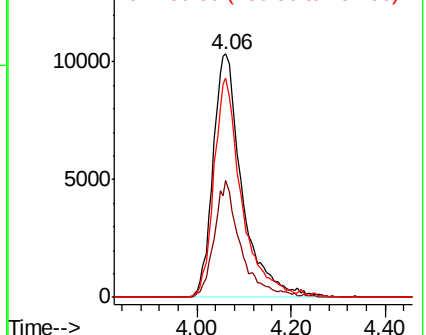
151 84.9 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.721 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

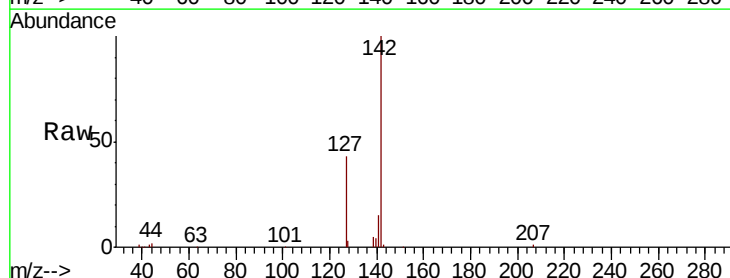
Tgt Ion:142 Resp: 74990

Ion Ratio Lower Upper

142 100

127 42.2 33.6 50.4

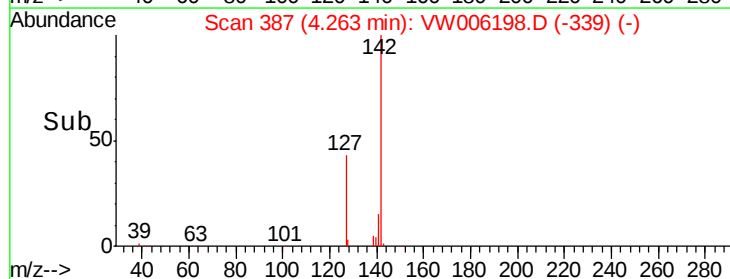
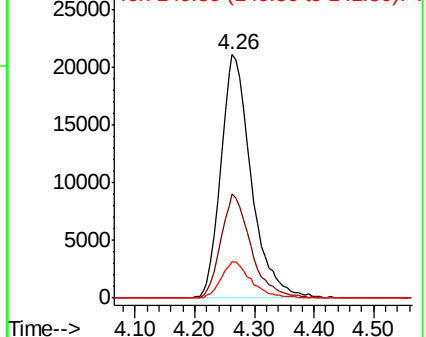
141 14.8 11.6 17.4

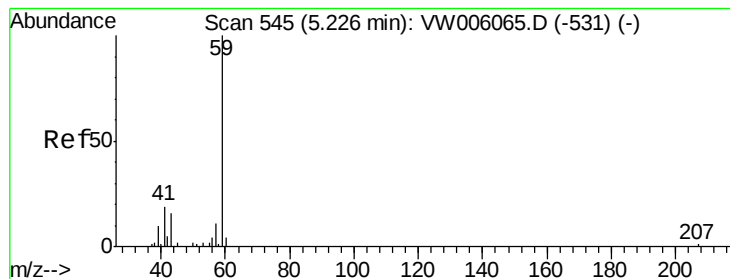


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



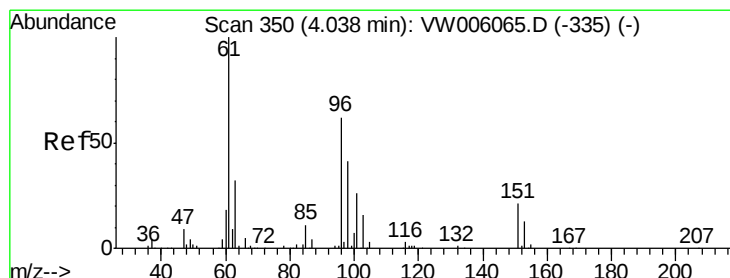
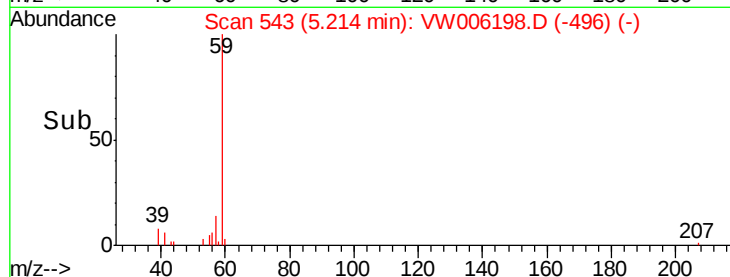
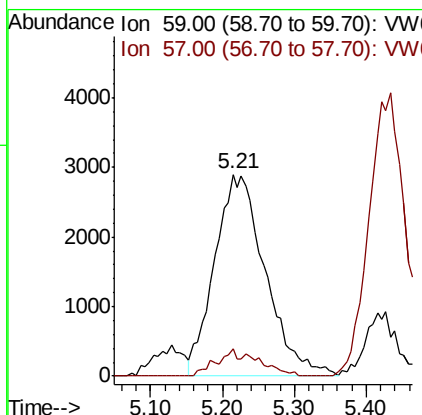
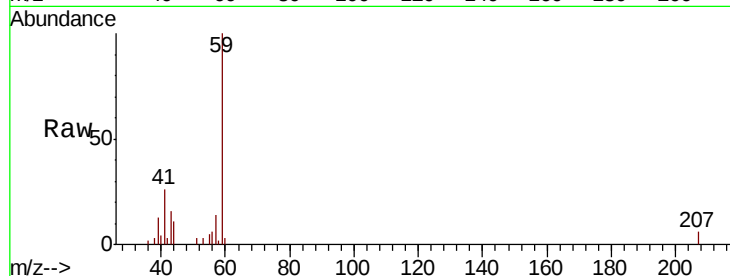


#11

Tert butyl alcohol
Concen: 103.588 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

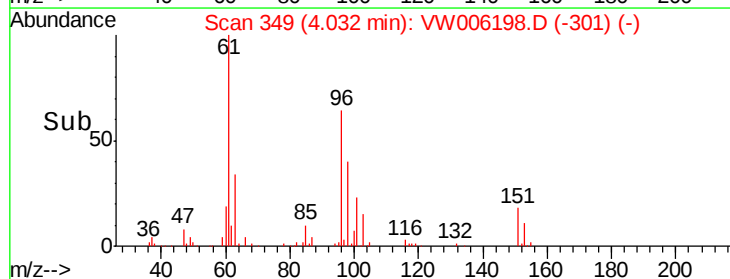
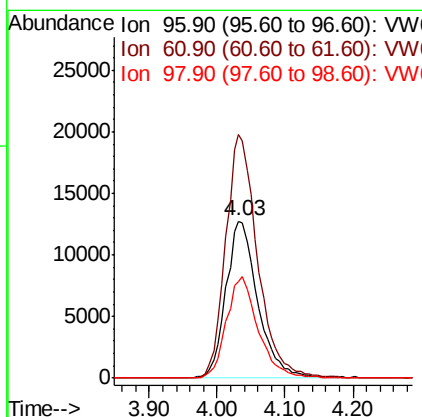
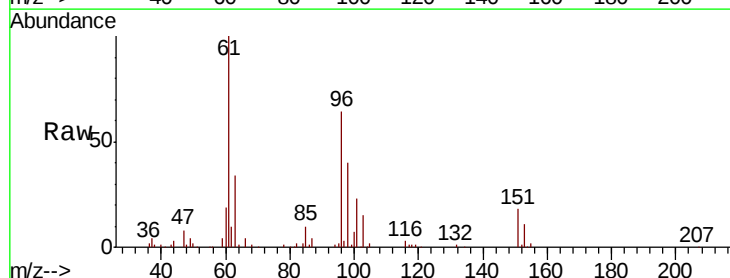
Tot Ion: 59 Resp: 14141
Ion Ratio Lower Upper
59 100
57 6.1 8.7 13.1#

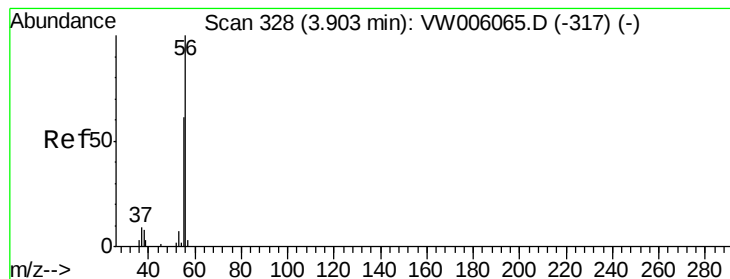


#12

1,1-Dichloroethene
Concen: 20.241 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 96 Resp: 41406
Ion Ratio Lower Upper
96 100
61 155.3 129.3 193.9
98 61.4 53.1 79.7





#13

Acrolein

Concen: 101.291 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

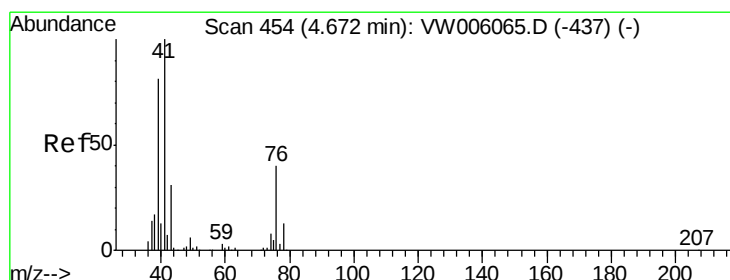
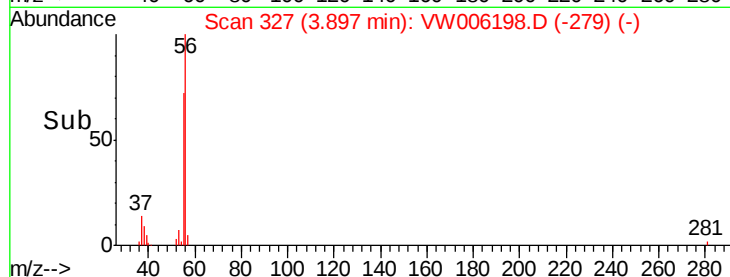
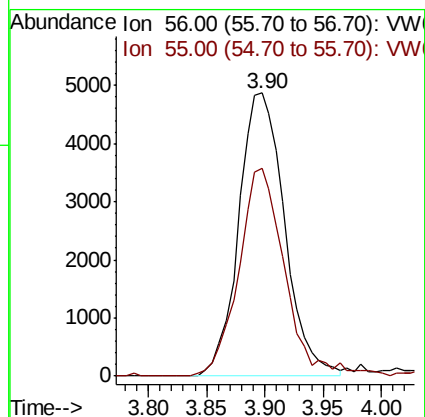
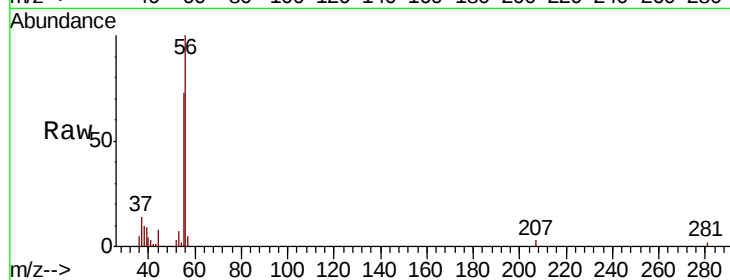
VW1018SBS02

Tot Ion: 56 Resp: 13380

Ion Ratio Lower Upper

56 100

55 73.0 54.5 81.7



#14

Allyl chloride

Concen: 19.570 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

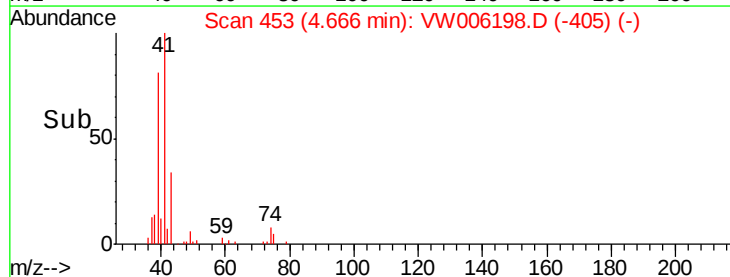
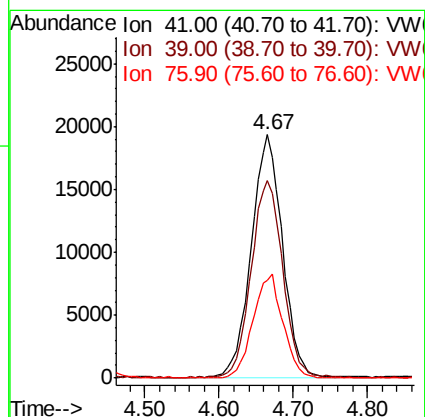
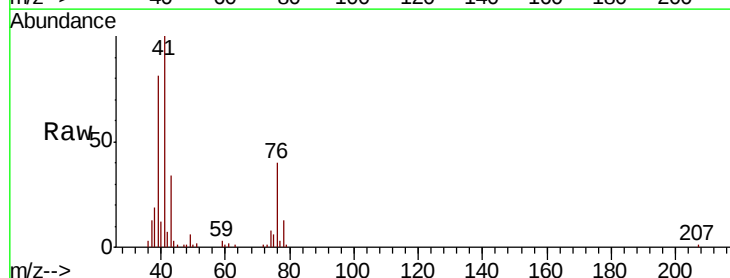
Tgt Ion: 41 Resp: 57241

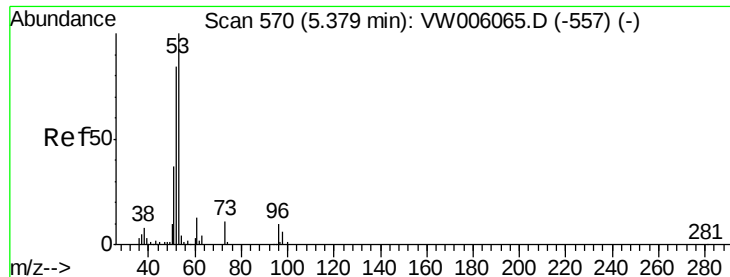
Ion Ratio Lower Upper

41 100

39 81.2 64.1 96.1

76 40.4 32.2 48.4





#15

Acrylonitrile

Concen: 114.454 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

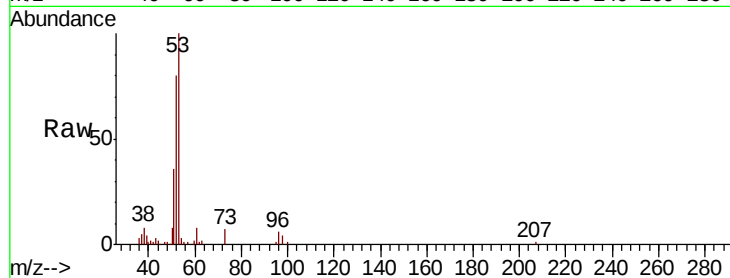
Tot Ion: 53 Resp: 45267

Ion Ratio Lower Upper

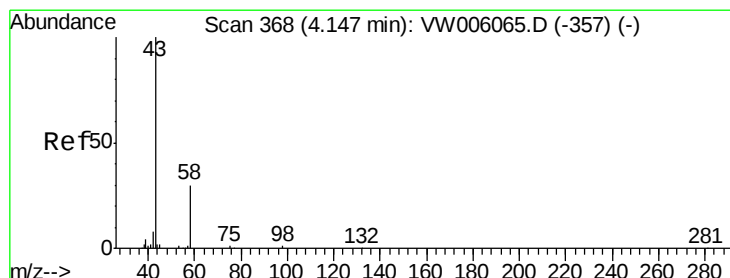
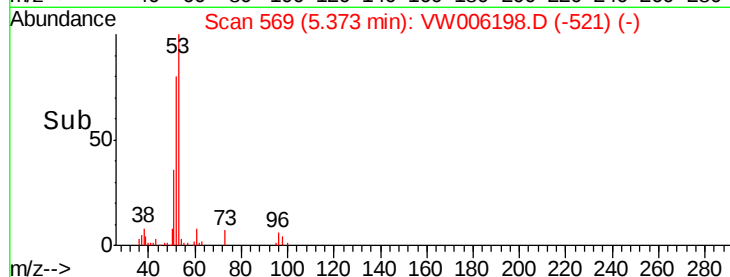
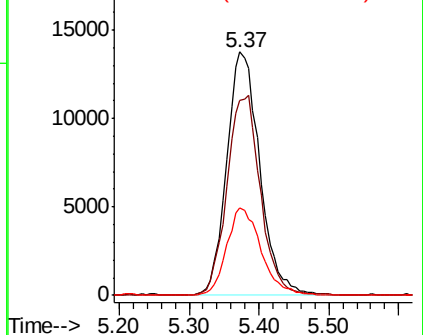
53 100

52 82.6 66.9 100.3

51 37.3 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 96.802 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006198.D

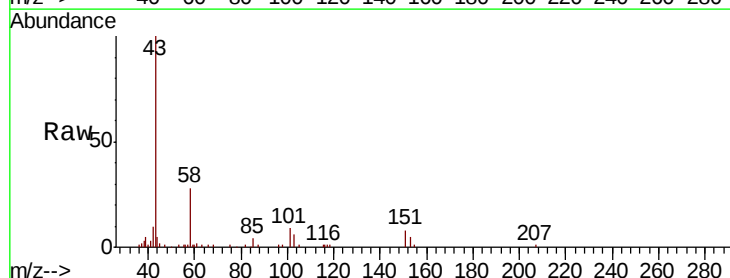
Acq: 19 Oct 2018 03:03

Tgt Ion: 43 Resp: 40317

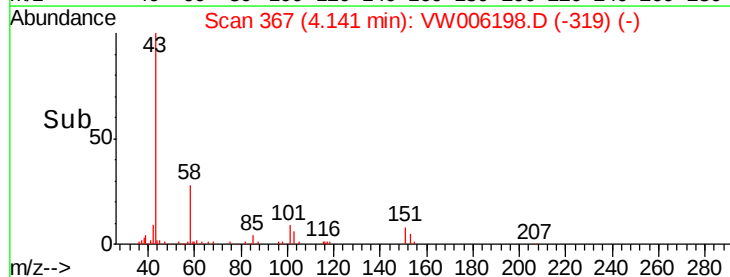
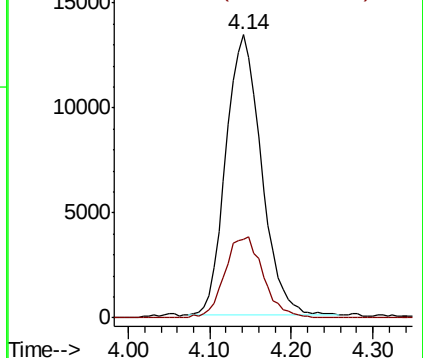
Ion Ratio Lower Upper

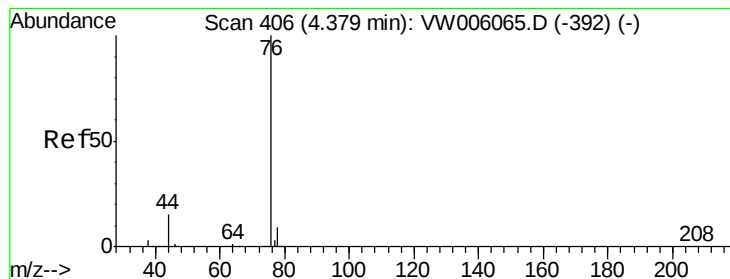
43 100

58 27.9 24.0 36.0



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





#17

Carbon Disulfide

Concen: 17.255 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

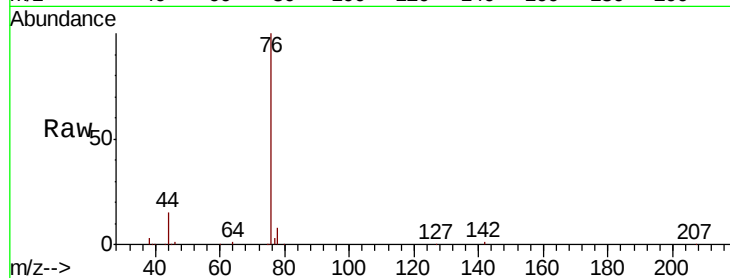
VW1018SBS02

Tot Ion: 76 Resp: 106528

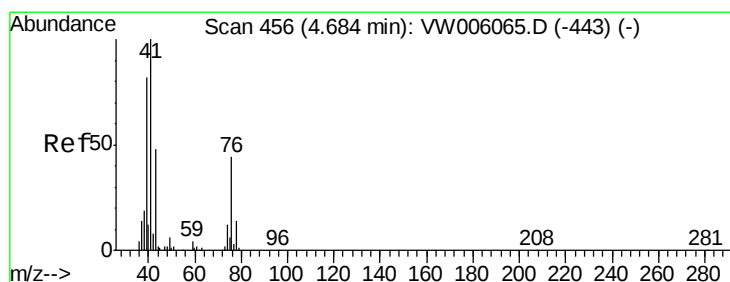
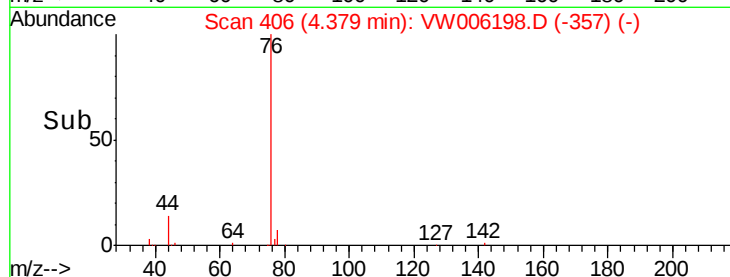
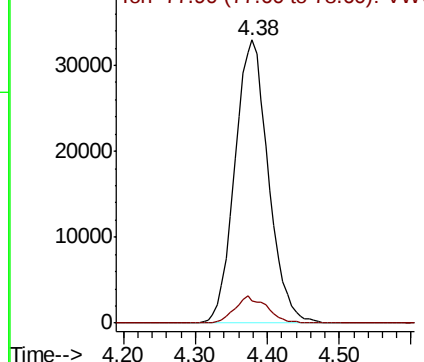
Ion Ratio Lower Upper

76 100

78 7.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.744 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006198.D

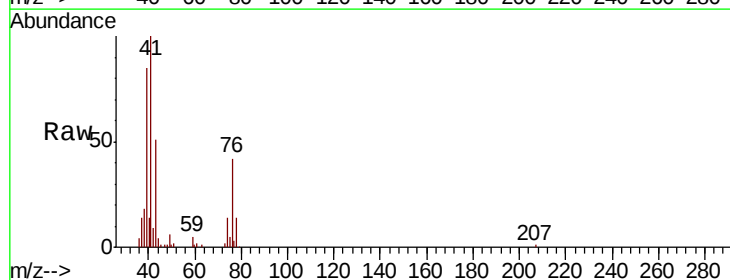
Acq: 19 Oct 2018 03:03

Tgt Ion: 43 Resp: 24254

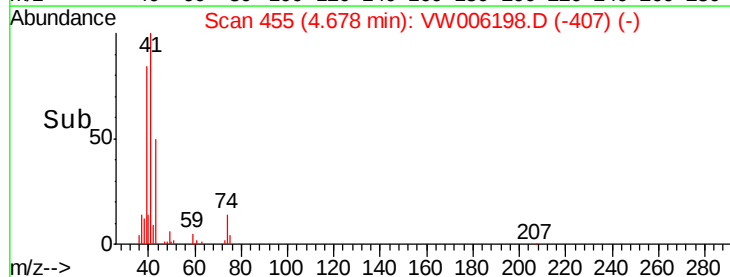
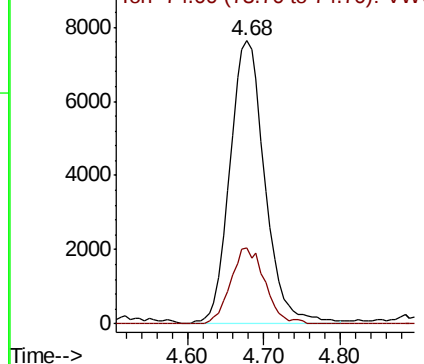
Ion Ratio Lower Upper

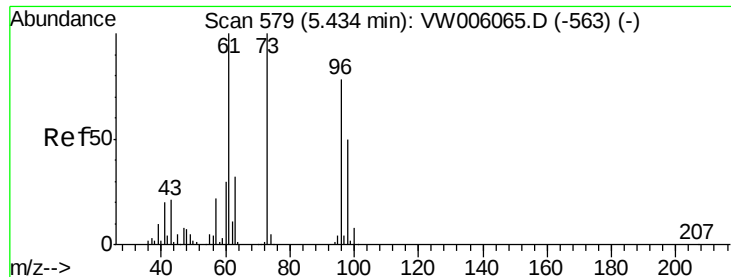
43 100

74 26.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

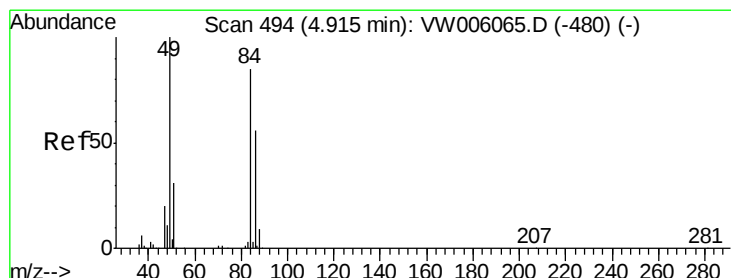
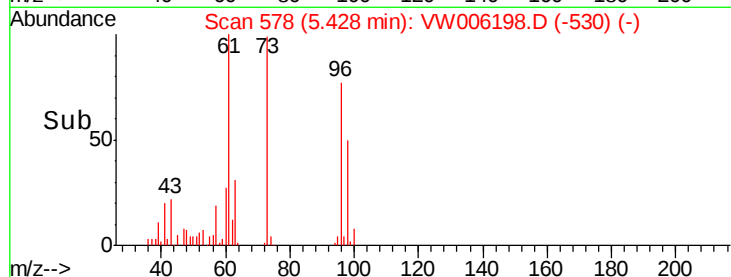
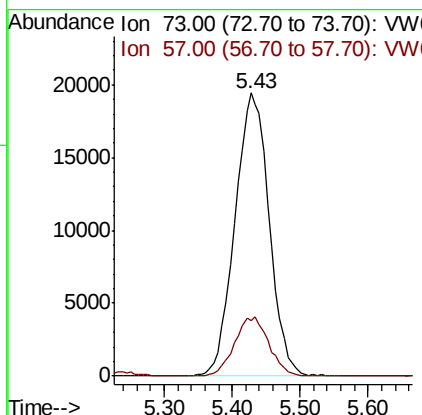
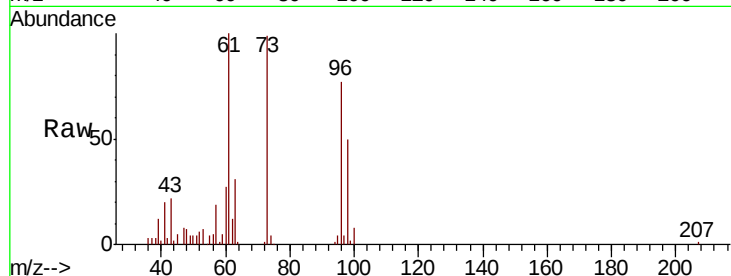




#19
Methyl tert-butyl Ether
Concen: 21.753 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

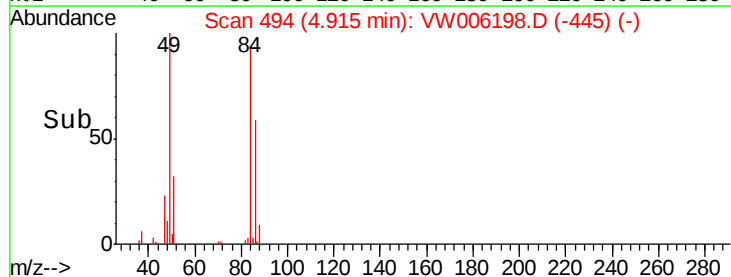
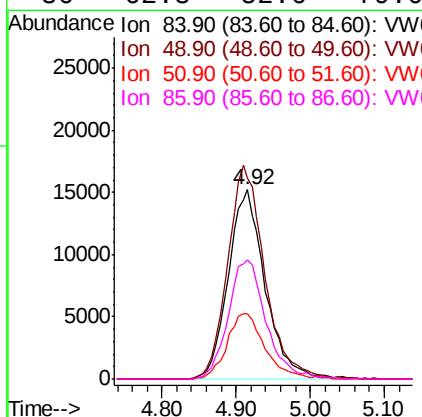
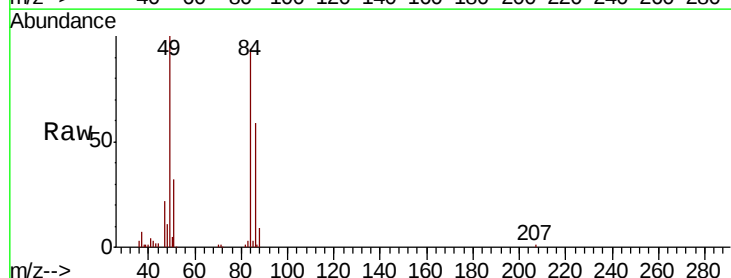
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

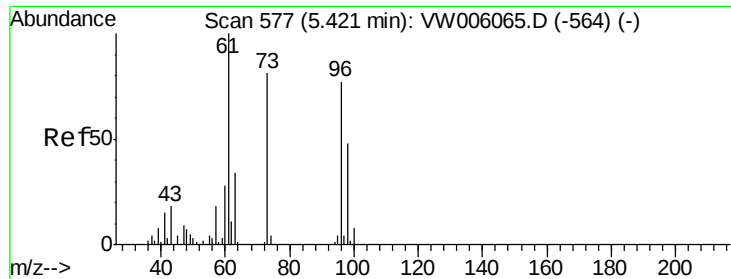
Tot Ion: 73 Resp: 67777
Ion Ratio Lower Upper
73 100
57 19.7 17.4 26.2



#20
Methylene Chloride
Concen: 23.648 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 84 Resp: 52633
Ion Ratio Lower Upper
84 100
49 106.6 93.6 140.4
51 34.4 29.0 43.4
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.453 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

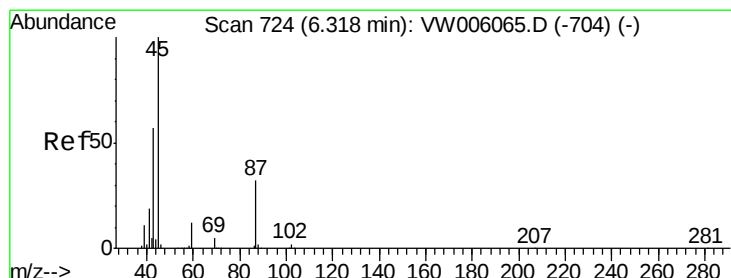
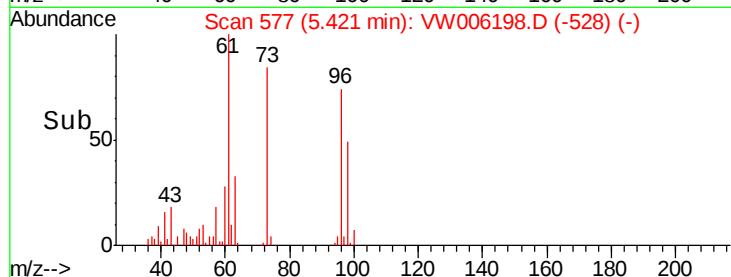
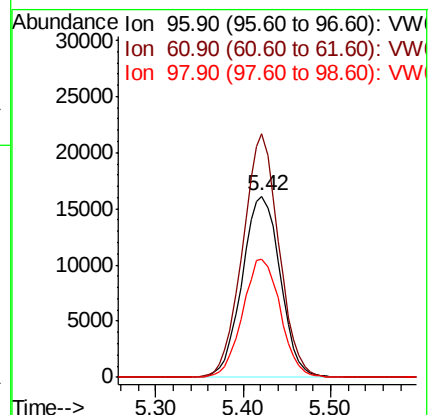
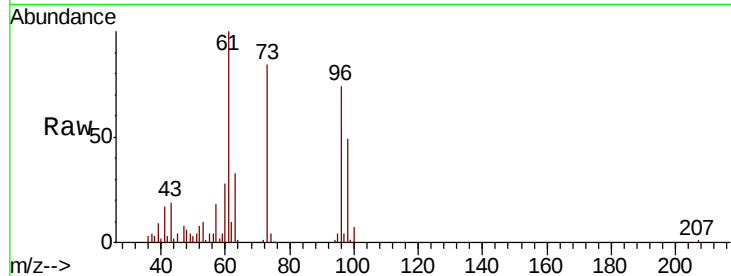
Tot Ion: 96 Resp: 48984

Ion Ratio Lower Upper

96 100

61 134.6 104.5 156.7

98 65.4 50.6 75.8



#22

Diisopropyl ether

Concen: 21.779 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Tgt Ion: 45 Resp: 125886

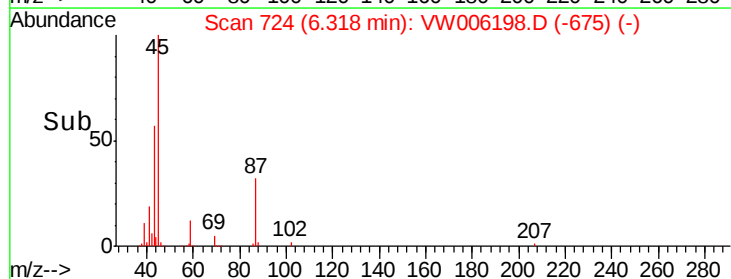
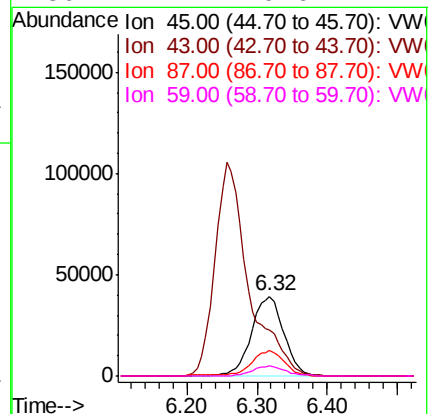
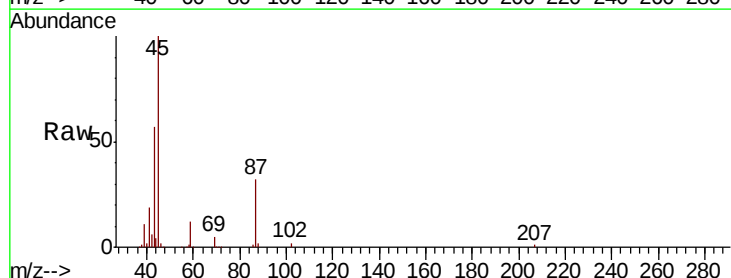
Ion Ratio Lower Upper

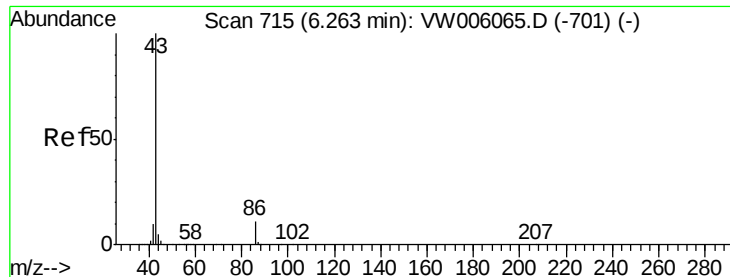
45 100

43 56.7 45.7 68.5

87 31.7 25.9 38.9

59 12.4 9.6 14.4





#23

Vinyl Acetate

Concen: 103.947 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

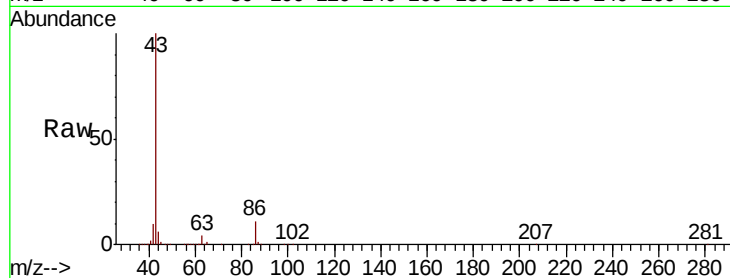
VW1018SBS02

Tot Ion: 43 Resp: 354582

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

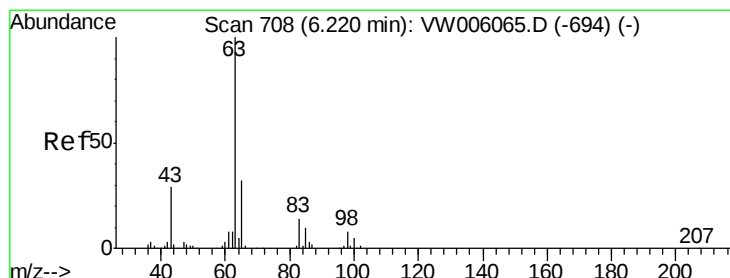
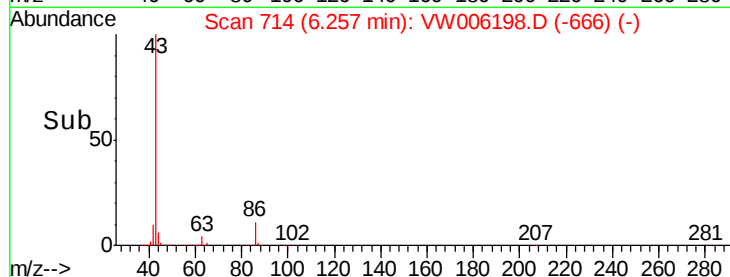
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.777 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

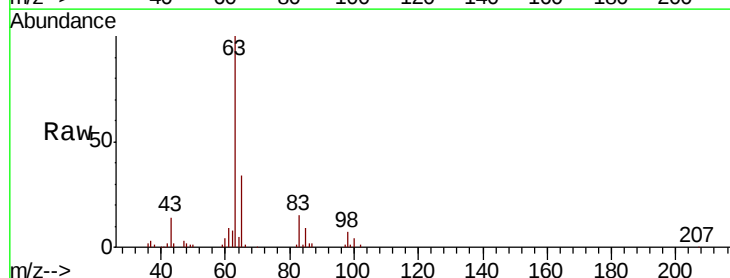
Tgt Ion: 63 Resp: 81221

Ion Ratio Lower Upper

63 100

98 7.2 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

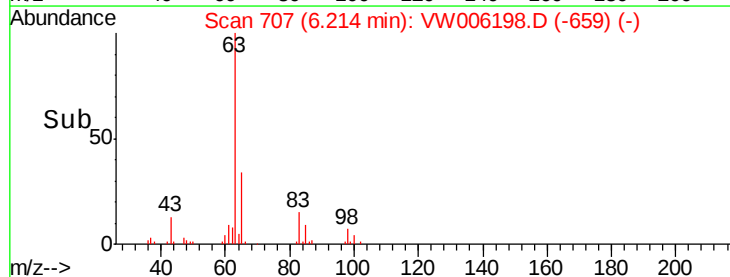
30000

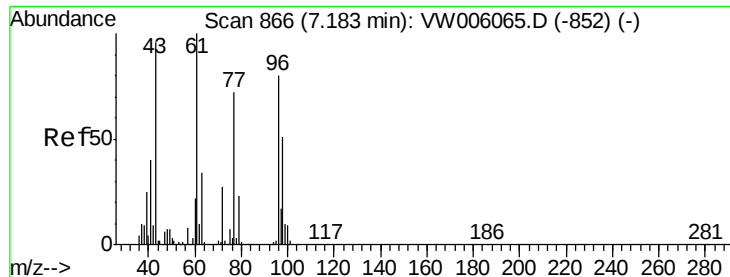
20000

10000

0

Time-->





#25

2-Butanone

Concen: 109.858 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampled :

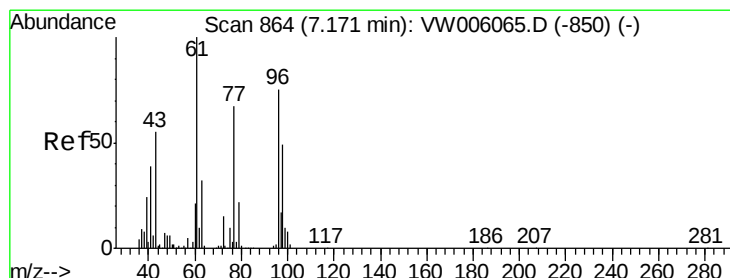
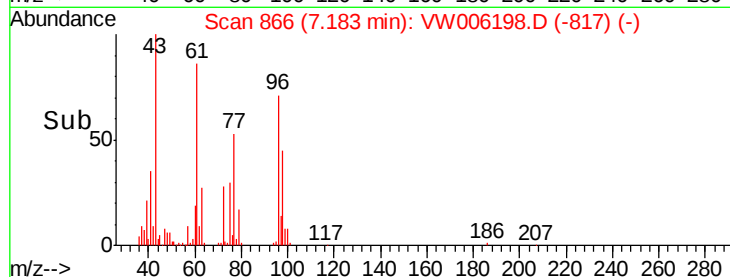
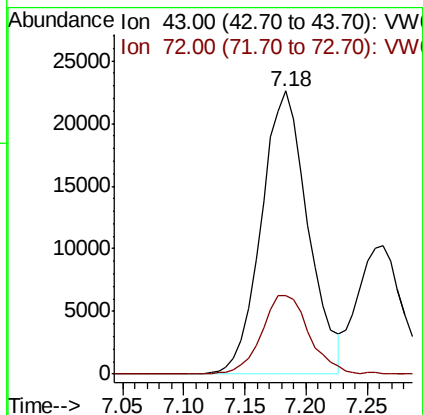
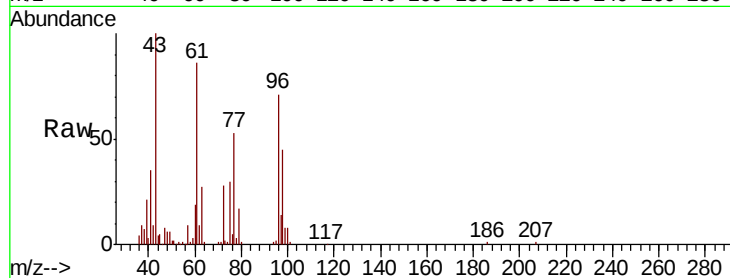
VW1018SBS02

Tot Ion: 43 Resp: 60240

Ion Ratio Lower Upper

43 100

72 27.9 22.8 34.2



#26

2,2-Dichloropropane

Concen: 17.955 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006198.D

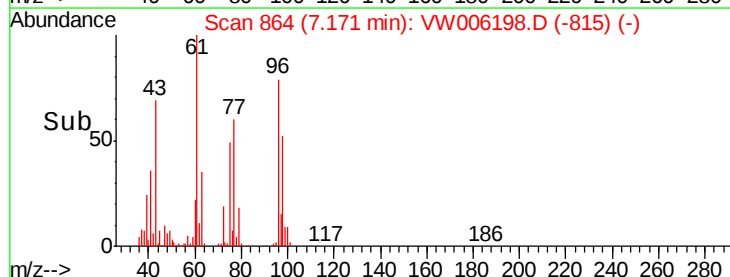
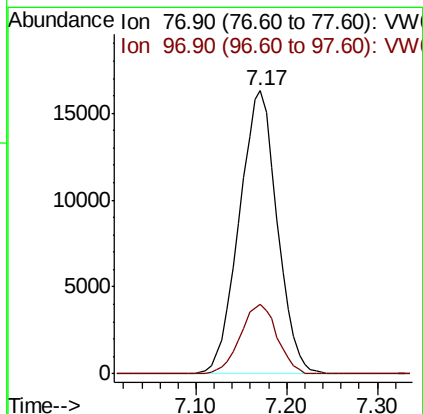
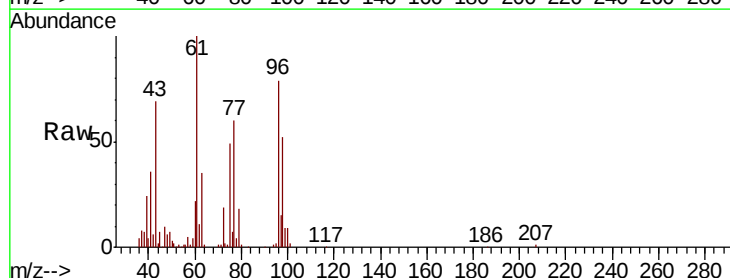
Acq: 19 Oct 2018 03:03

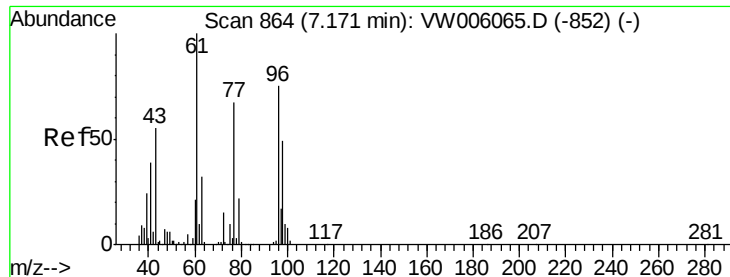
Tgt Ion: 77 Resp: 47231

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 22.341 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

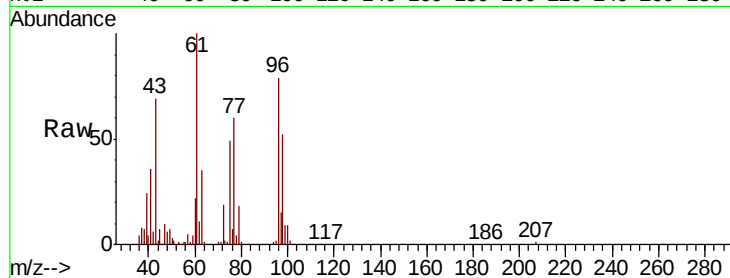
Tot Ion: 96 Resp: 56294

Ion Ratio Lower Upper

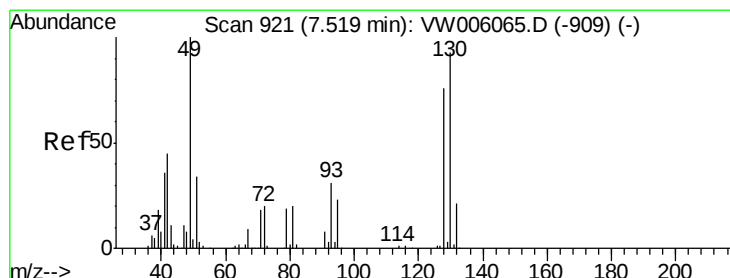
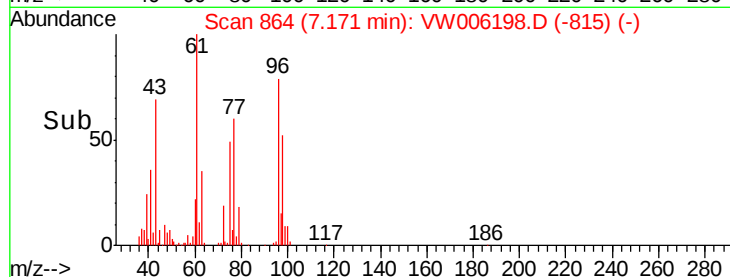
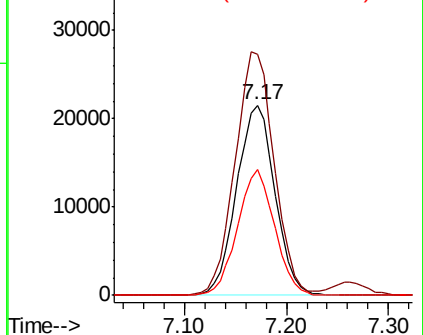
96 100

61 130.2 0.0 267.2

98 63.9 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 19.295 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

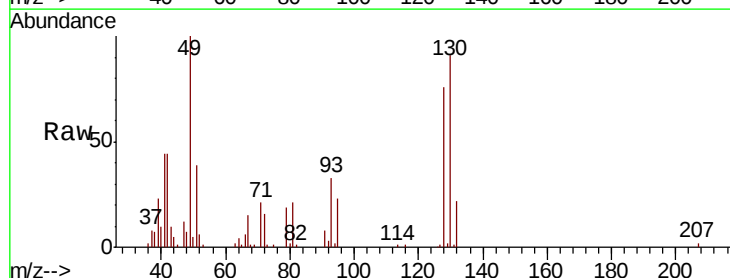
Tgt Ion: 49 Resp: 27782

Ion Ratio Lower Upper

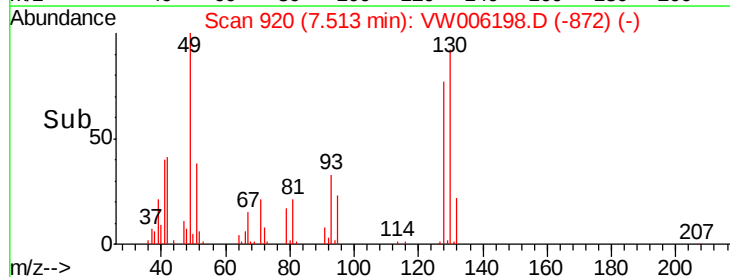
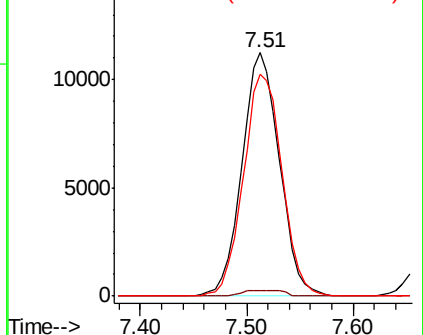
49 100

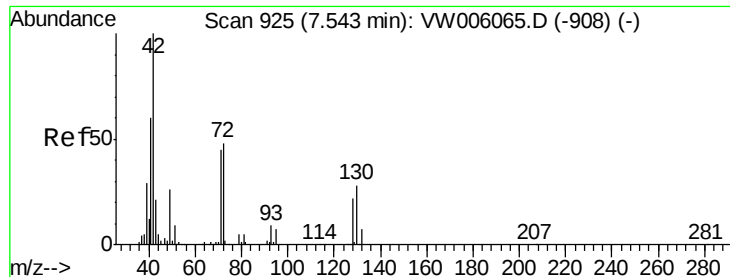
129 2.6 0.0 5.0

130 93.7 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

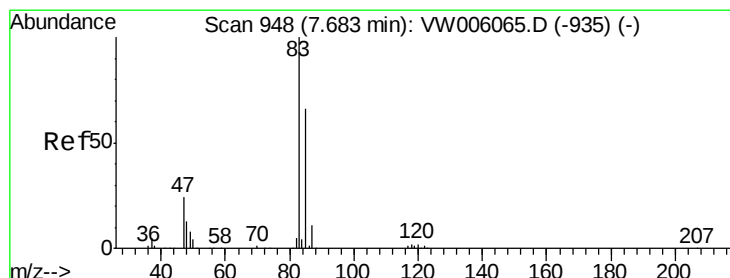
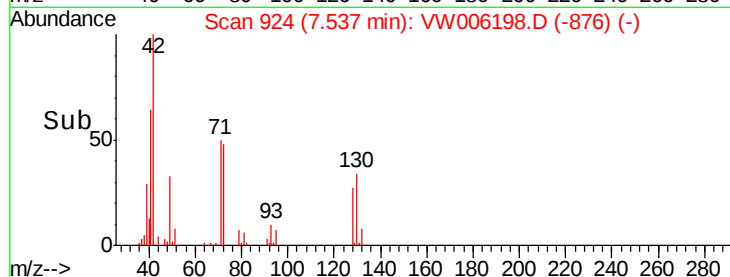
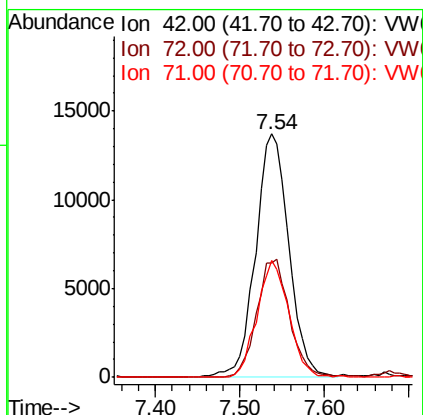
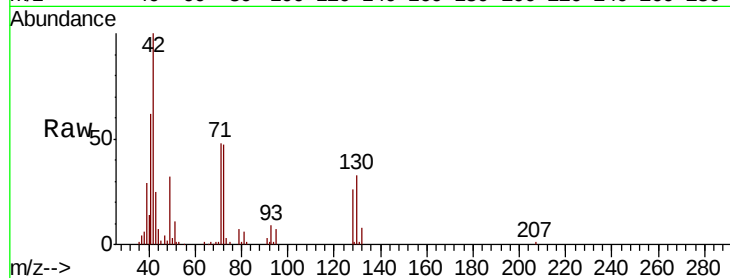




#29
Tetrahydrofuran
Concen: 110.228 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

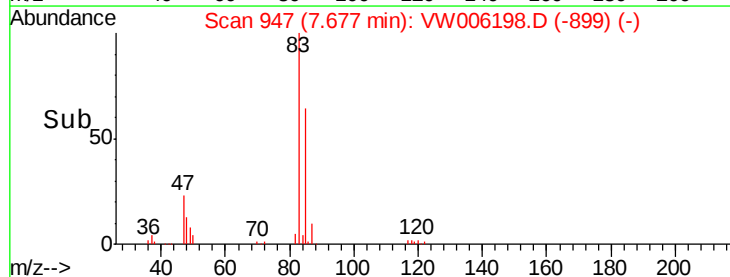
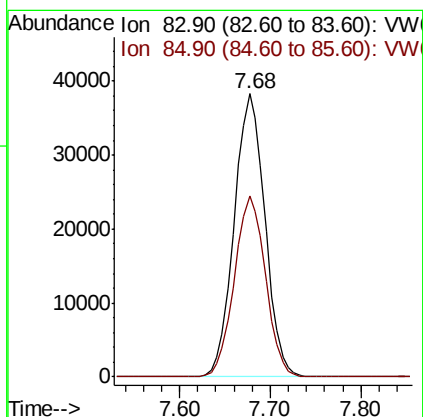
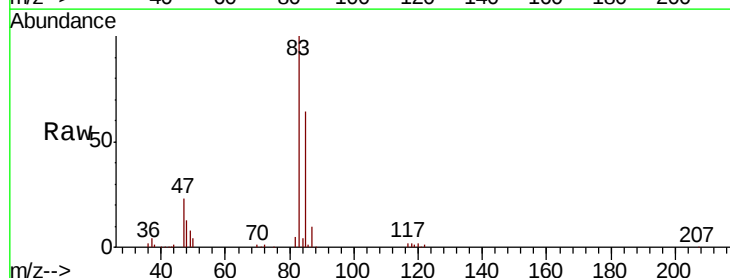
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

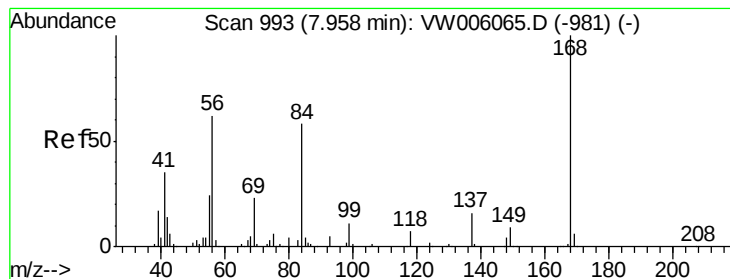
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	38.0	57.0
71	45.5	35.3	52.9



#30
Chloroform
Concen: 22.286 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	79.0





#31

Cyclohexane

Concen: 19.335 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

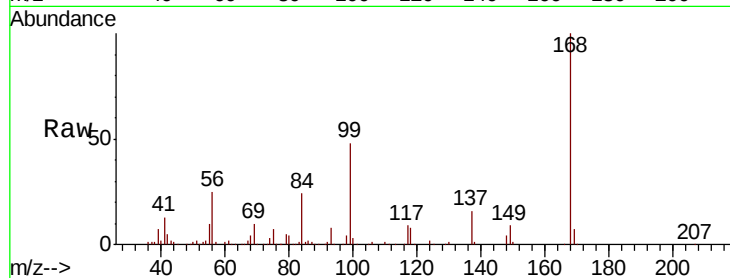
Tot Ion: 56 Resp: 71815

Ion Ratio Lower Upper

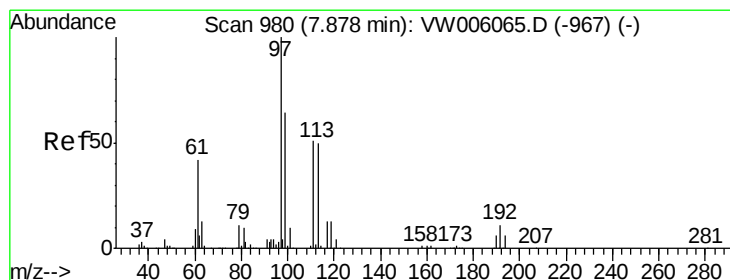
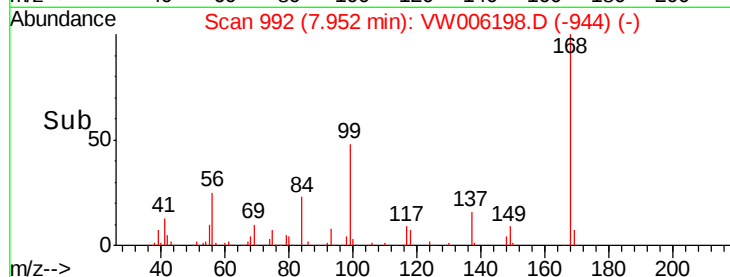
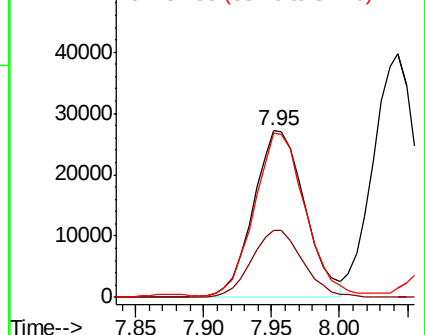
56 100

69 40.4 29.4 44.0

84 97.0 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: 20.279 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

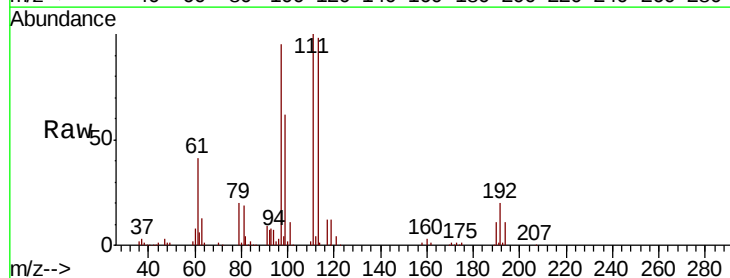
Tgt Ion: 97 Resp: 74332

Ion Ratio Lower Upper

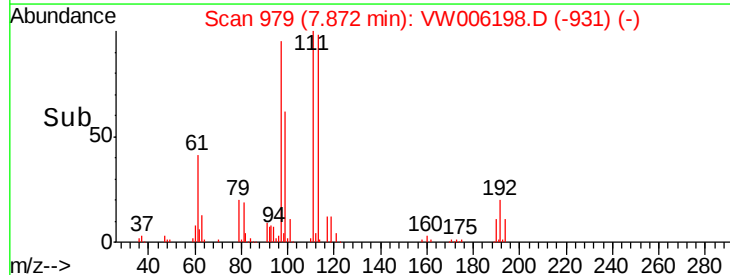
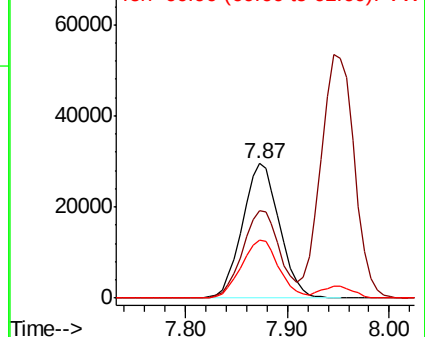
97 100

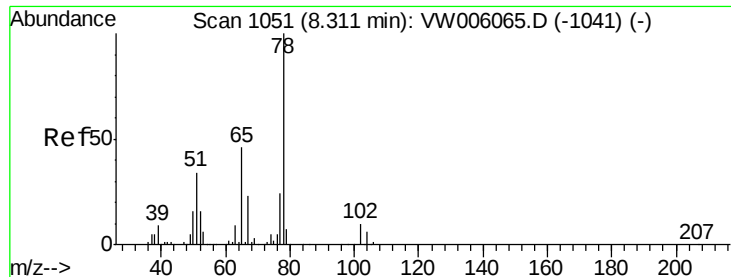
99 64.9 50.9 76.3

61 43.7 33.7 50.5



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

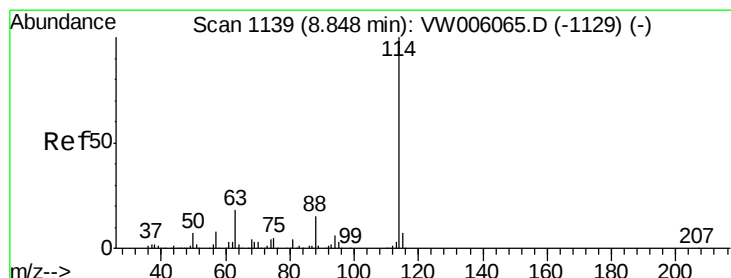
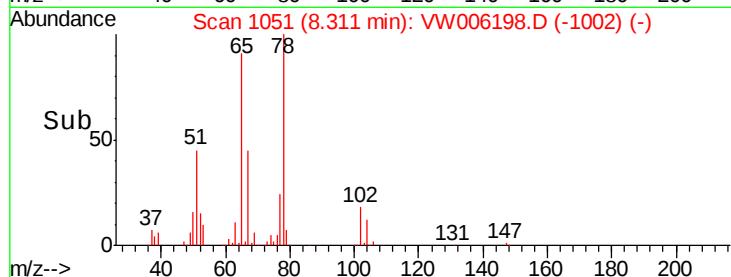
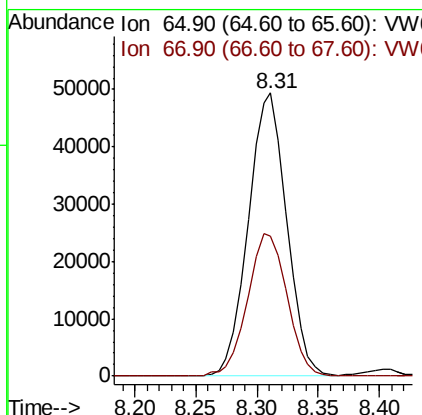
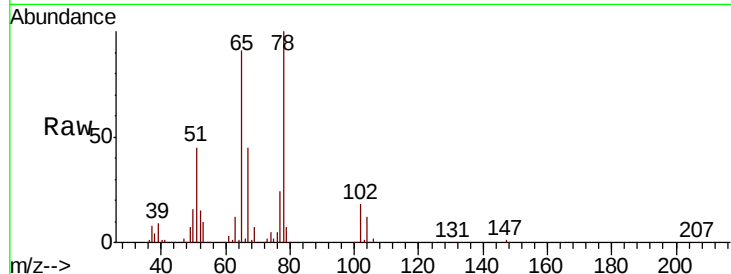




#33
 1,2-Dichloroethane-d4
 Concen: 53.099 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

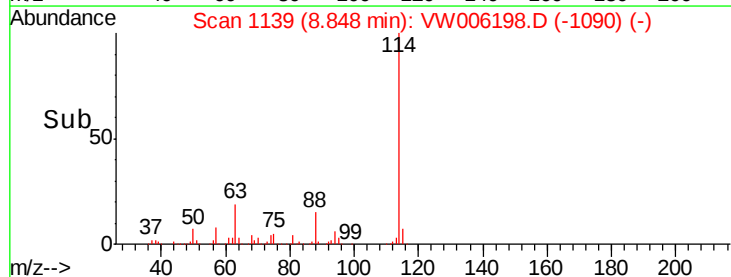
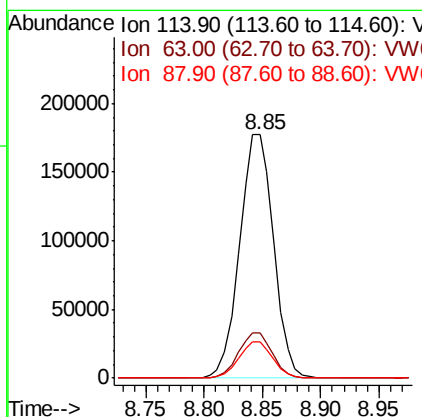
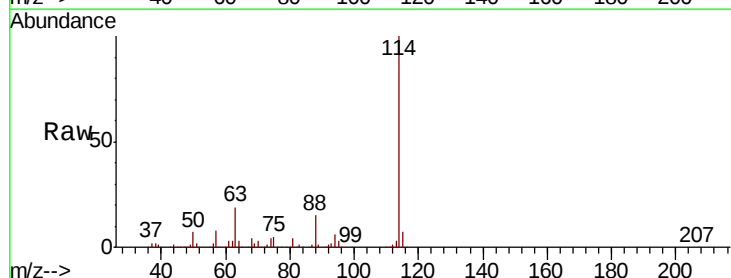
Instrument :
 MSVOA_W
 ClientSampled :
 VW1018SBS02

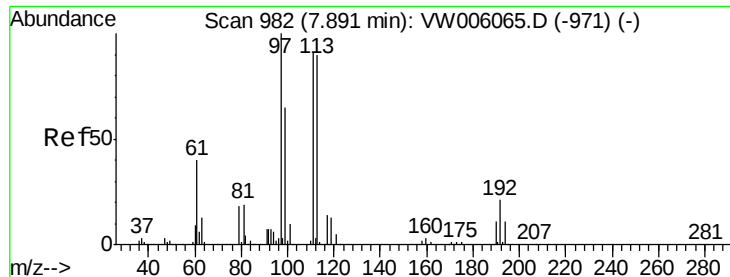
Tot Ion: 65 Resp: 107779
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion: 114 Resp: 360055
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 14.7 0.0 29.0

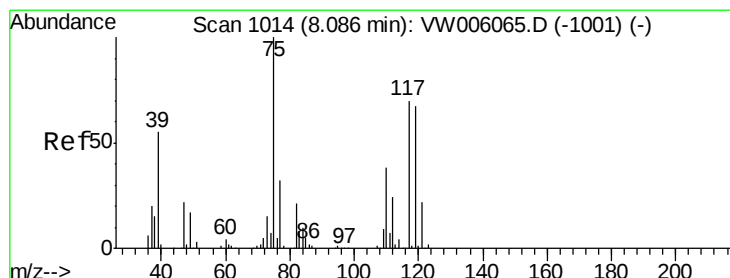
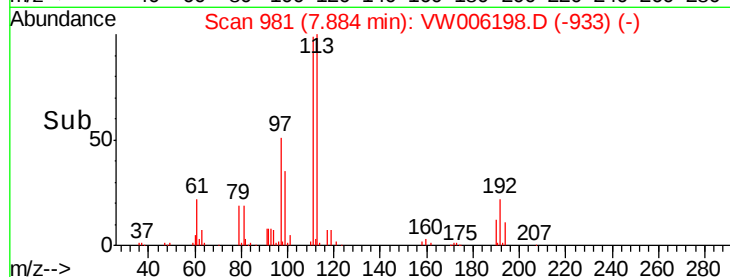
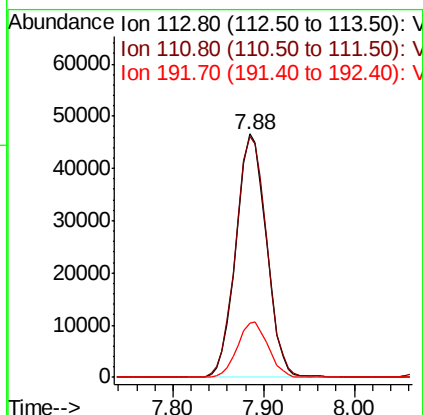
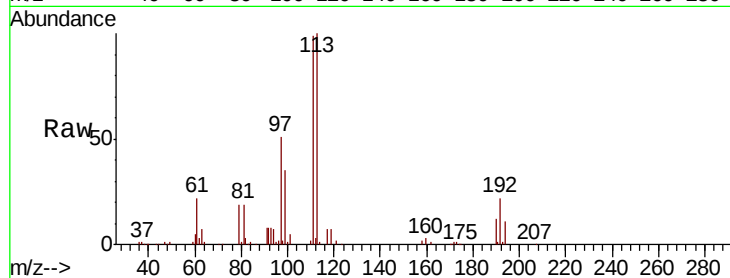




#35
 Dibromofluoromethane
 Concen: 50.923 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

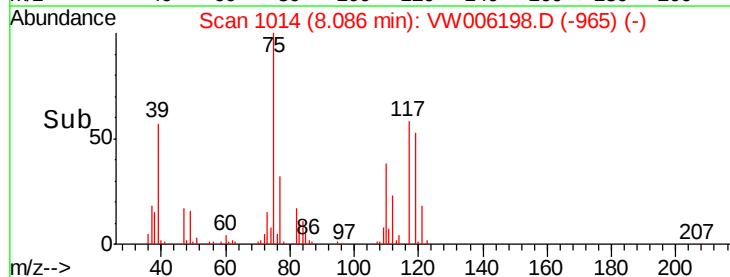
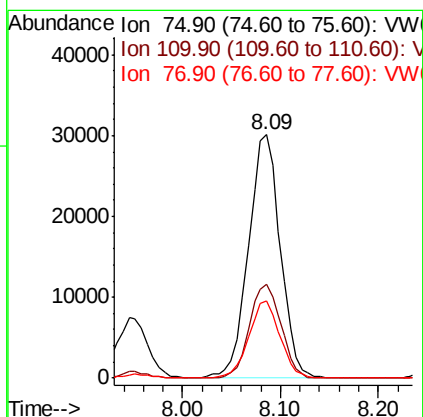
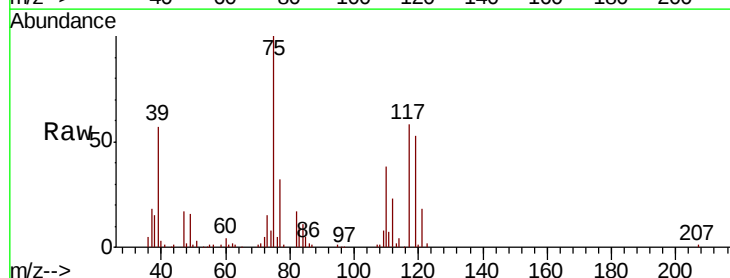
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

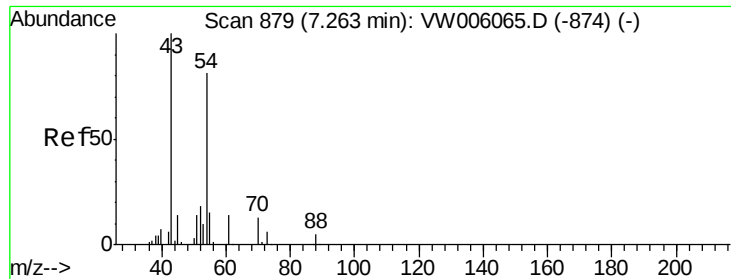
Tot Ion:113 Resp: 108342
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.4 122.0
 192 22.9 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 20.455 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion: 75 Resp: 67883
 Ion Ratio Lower Upper
 75 100
 110 38.2 19.1 57.1
 77 31.2 25.0 37.4

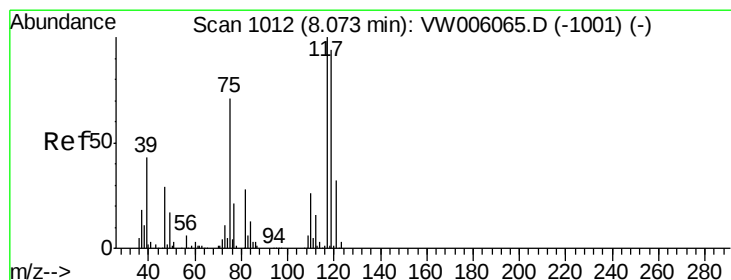
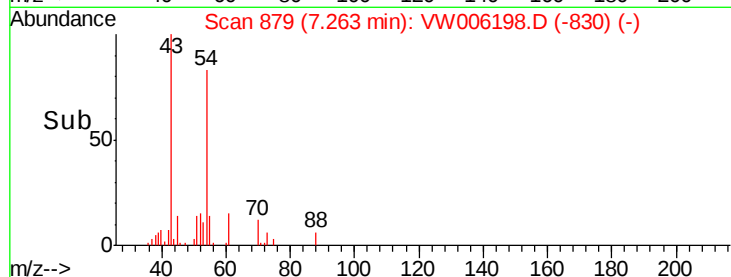
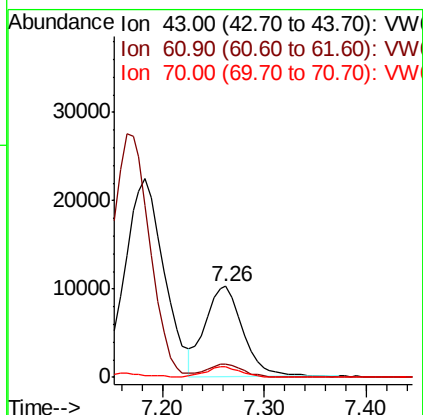
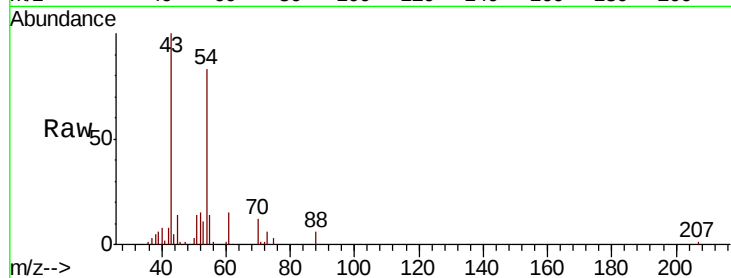




#37
Ethyl Acetate
Concen: 21.592 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

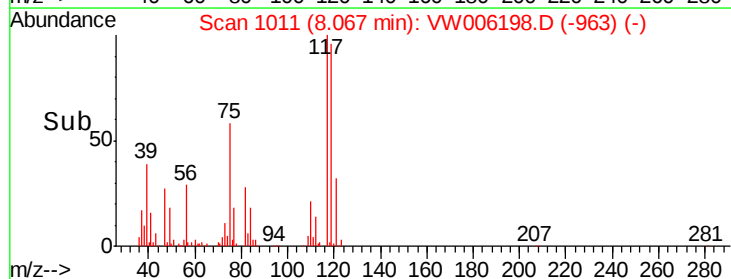
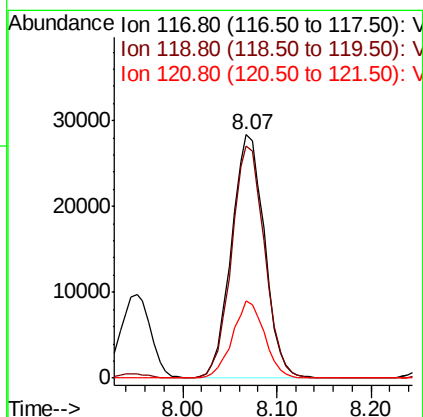
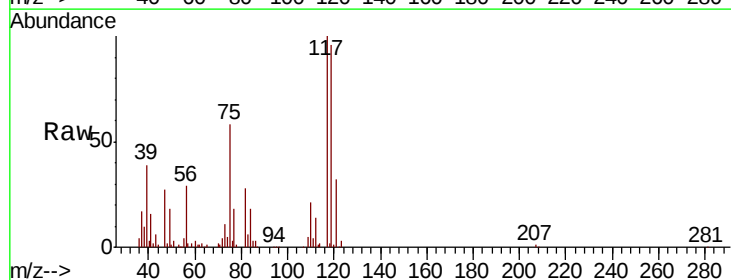
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

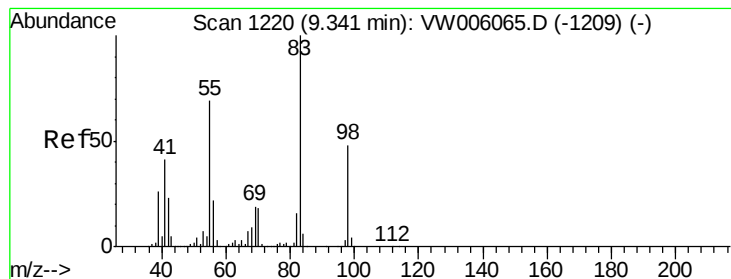
Tot Ion: 43 Resp: 26623
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 10.8 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.157 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 117 Resp: 69694
Ion Ratio Lower Upper
117 100
119 95.5 75.2 112.8
121 31.9 25.3 37.9





#39

Methvlcvclohexane

Concen: 19.526 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

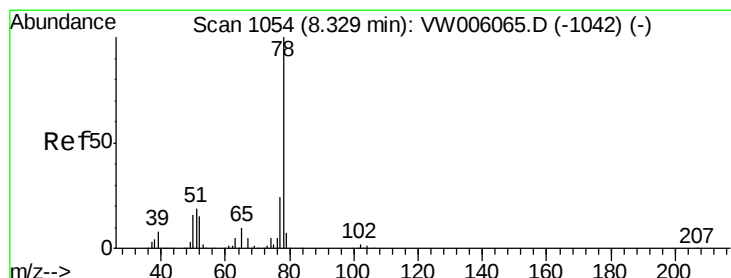
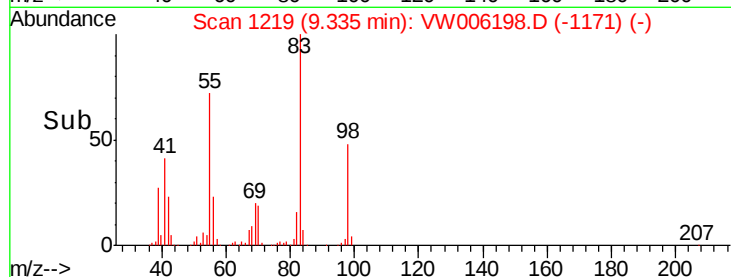
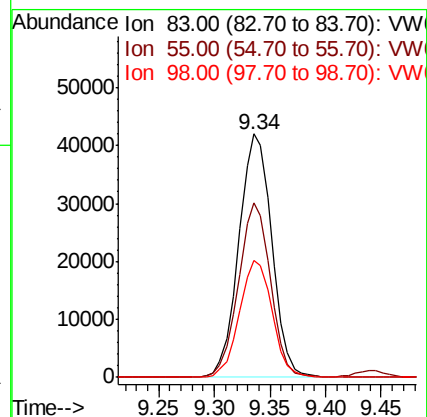
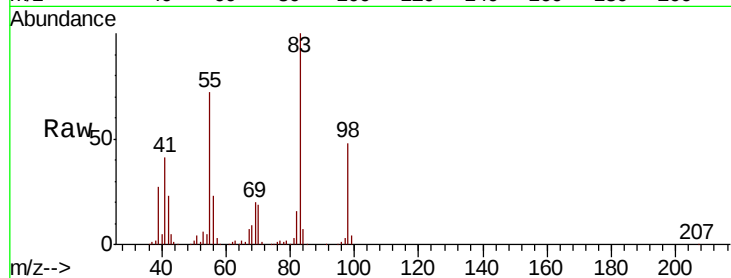
Tot Ion: 83 Resp: 86136

Ion Ratio Lower Upper

83 100

55 71.6 55.0 82.6

98 48.2 38.6 57.8



#40

Benzene

Concen: 21.370 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006198.D

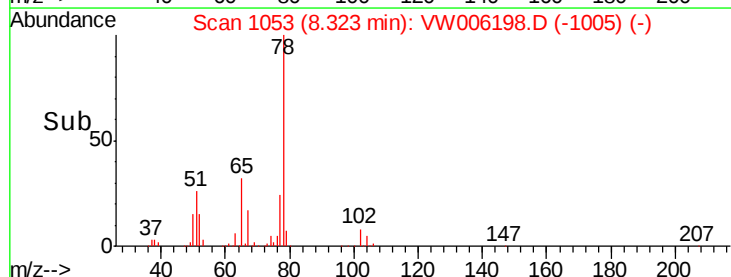
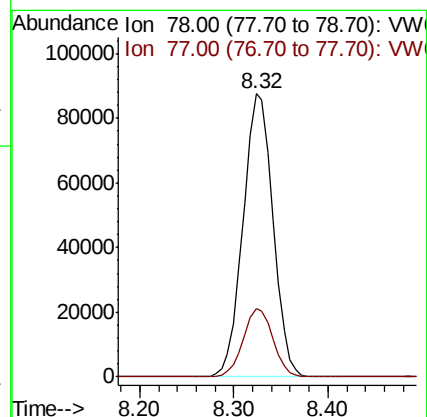
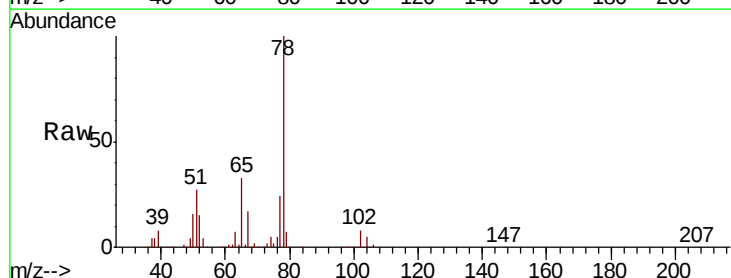
Acq: 19 Oct 2018 03:03

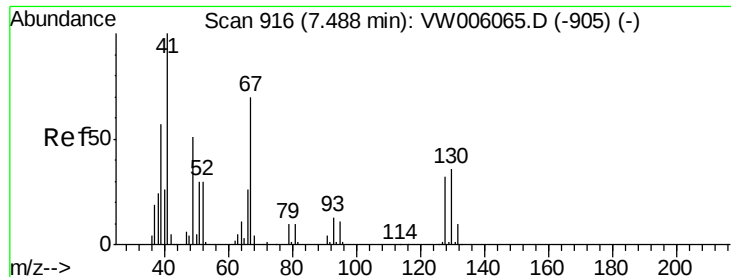
Tgt Ion: 78 Resp: 194538

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0

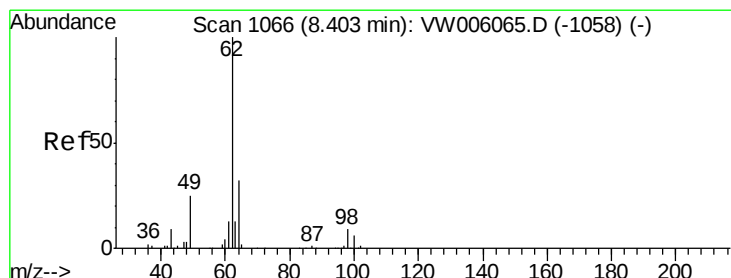
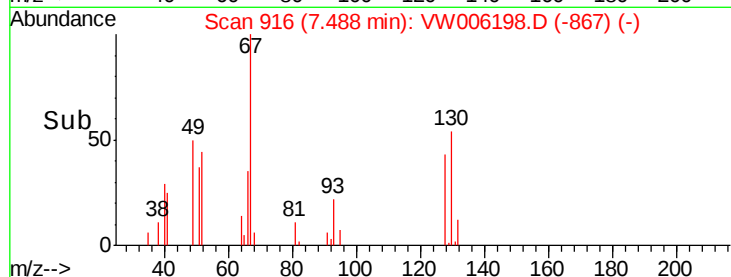
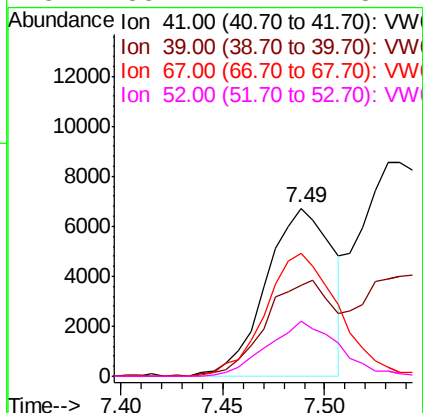
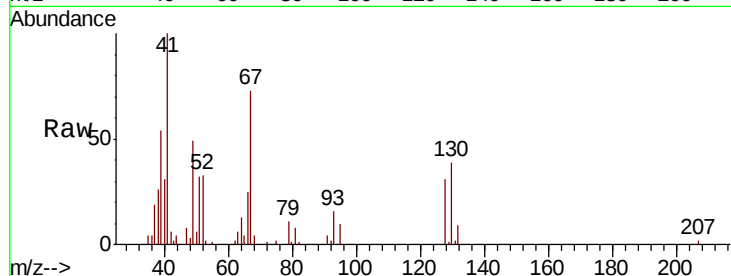




#41
Methacrylonitrile
Concen: 20.535 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

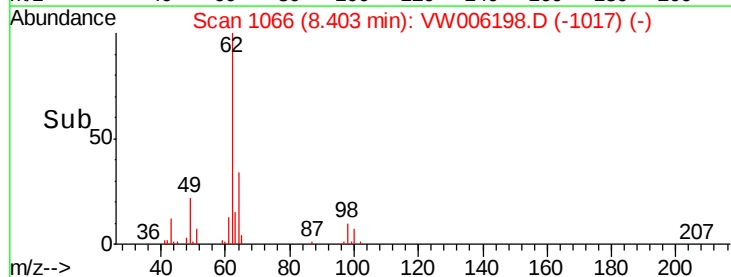
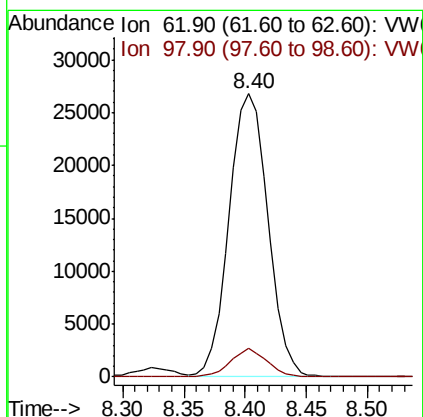
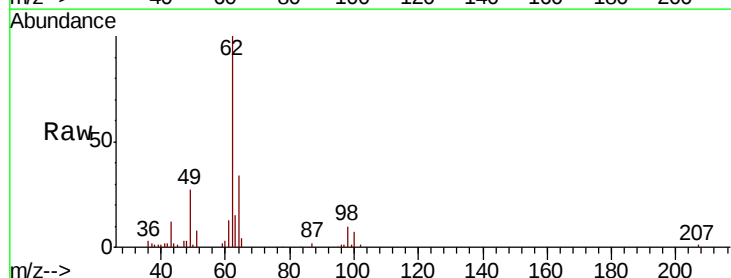
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

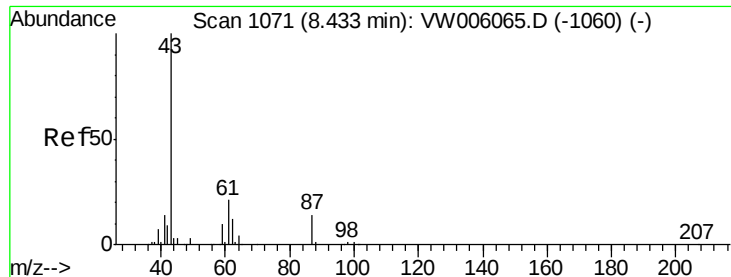
Tot Ion:	41	Resp:	15264
Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.2	69.4
67	80.4	57.7	86.5
52	35.1	24.7	37.1



#42
1,2-Dichloroethane
Concen: 22.111 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion:	62	Resp:	59139
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.633 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

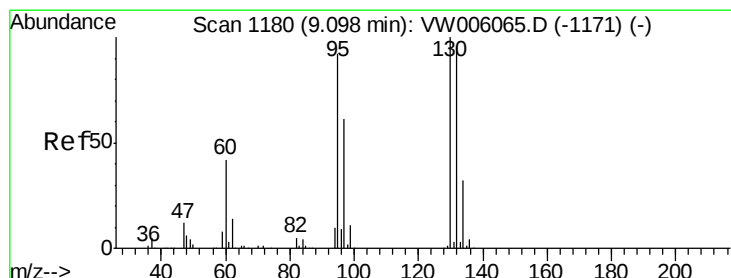
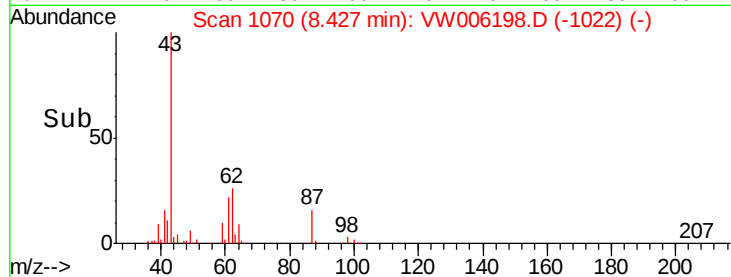
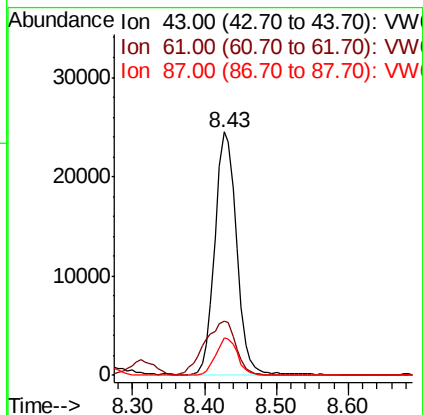
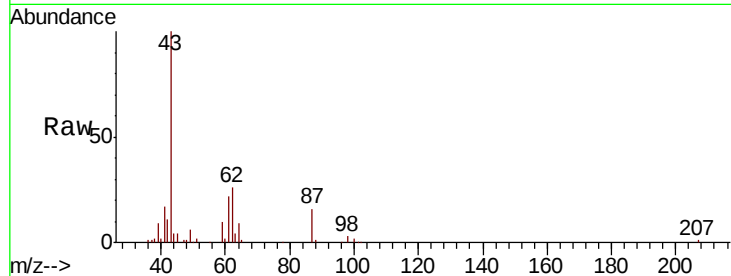
Tot Ion: 43 Resp: 52017

Ion Ratio Lower Upper

43 100

61 31.5 25.5 38.3

87 15.0 11.7 17.5



#44

Trichloroethene

Concen: 21.527 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006198.D

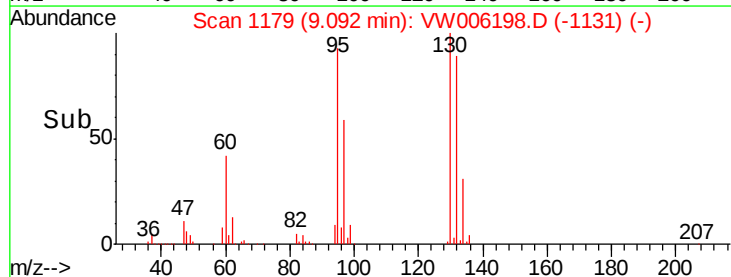
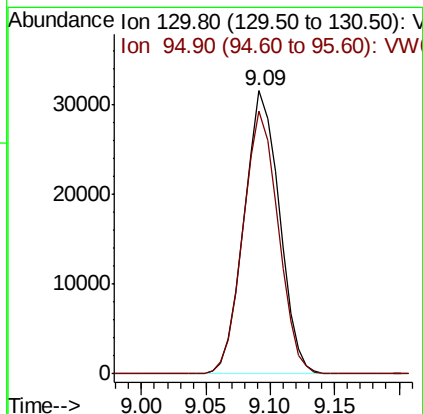
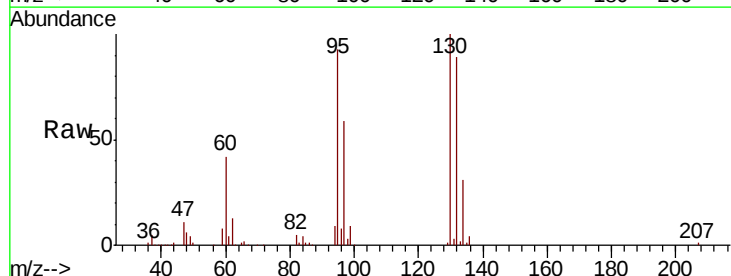
Acq: 19 Oct 2018 03:03

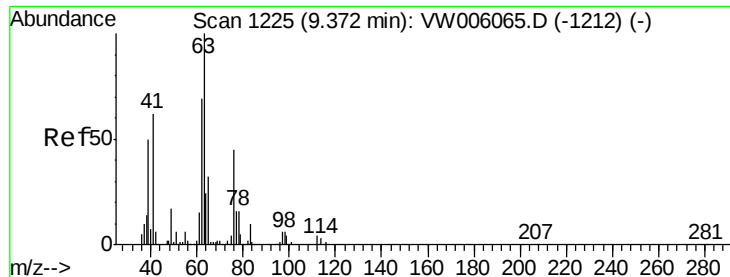
Tgt Ion: 130 Resp: 60122

Ion Ratio Lower Upper

130 100

95 92.9 0.0 183.2





#45

1,2-Dichloropropane

Concen: 21.645 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

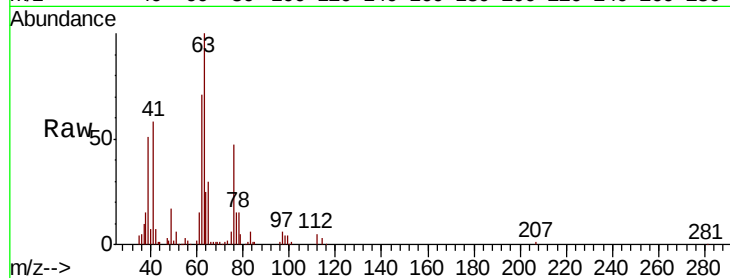
VW1018SBS02

Tot Ion: 63 Resp: 47152

Ion Ratio Lower Upper

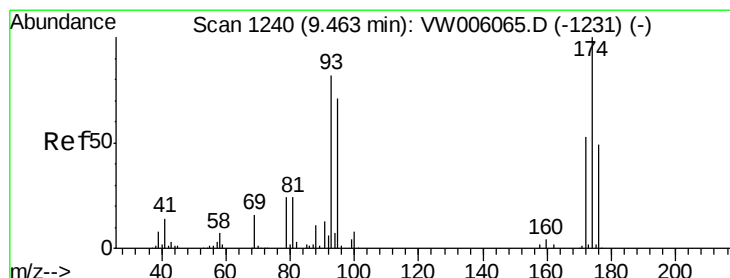
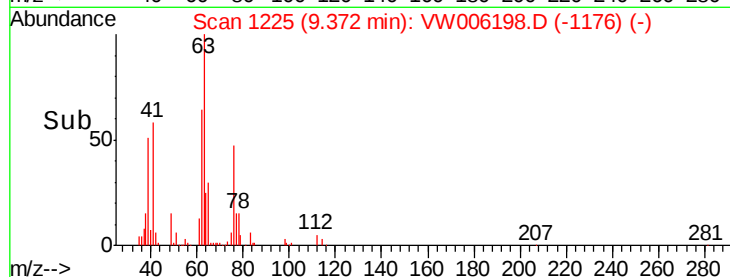
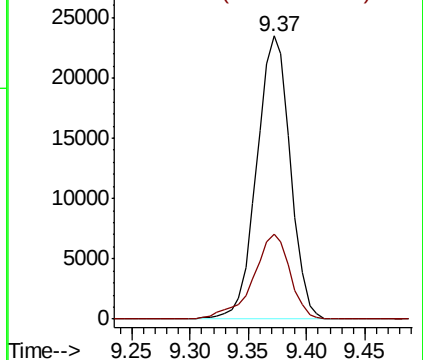
63 100

65 30.1 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.132 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

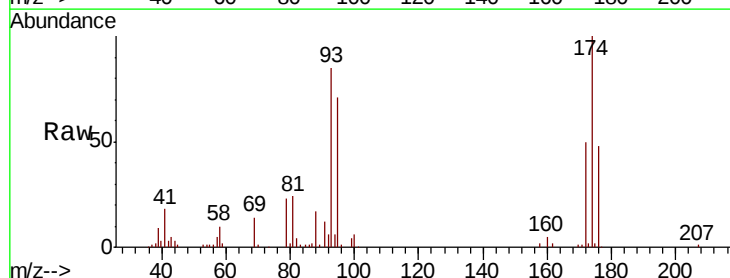
Tgt Ion: 93 Resp: 27478

Ion Ratio Lower Upper

93 100

95 82.0 67.7 101.5

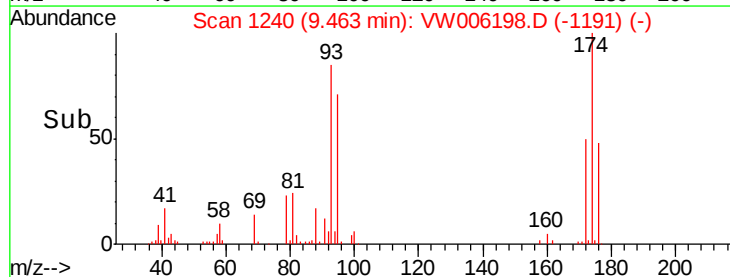
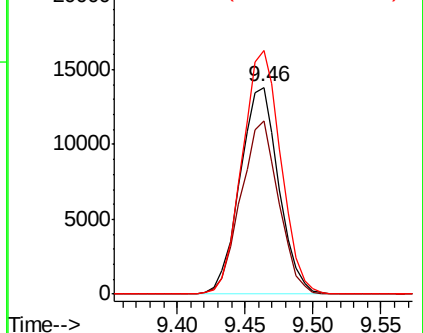
174 118.2 93.7 140.5

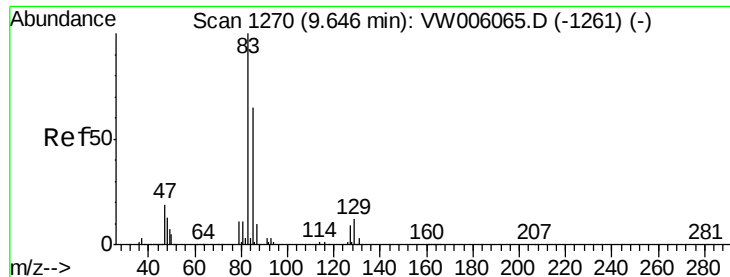


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.030 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

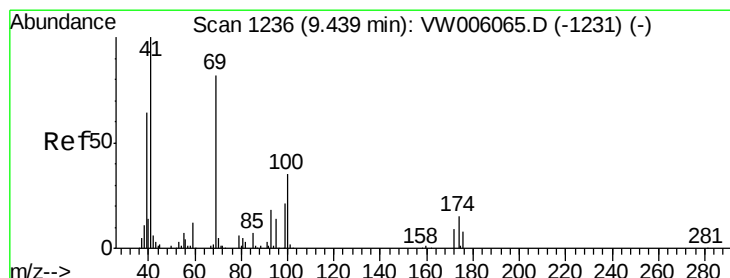
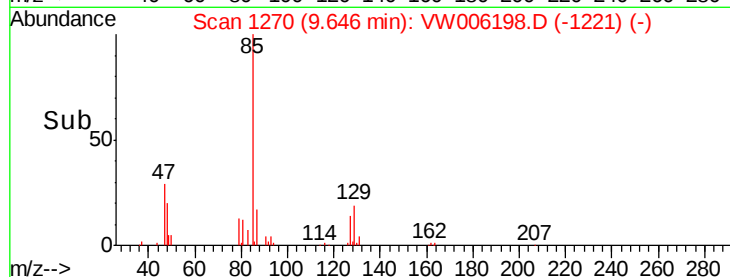
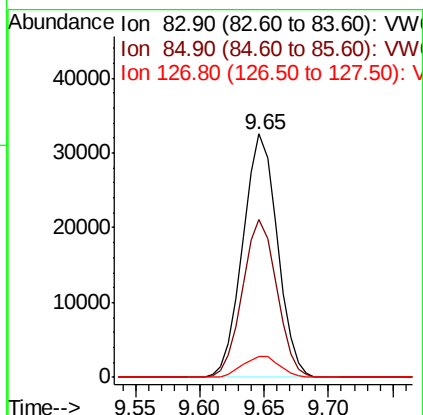
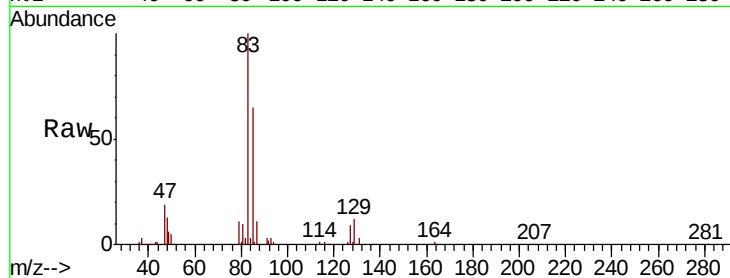
Tot Ion: 83 Resp: 60293

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.8

127 8.8 6.9 10.3



#48

Methyl methacrylate

Concen: 20.915 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

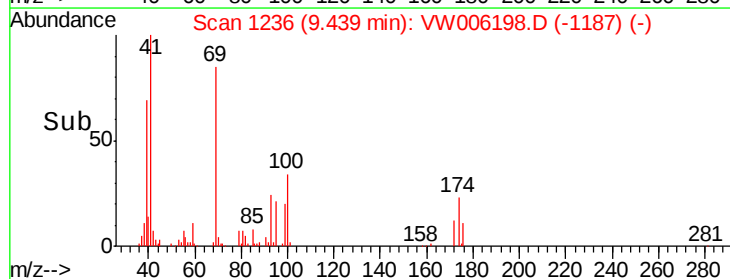
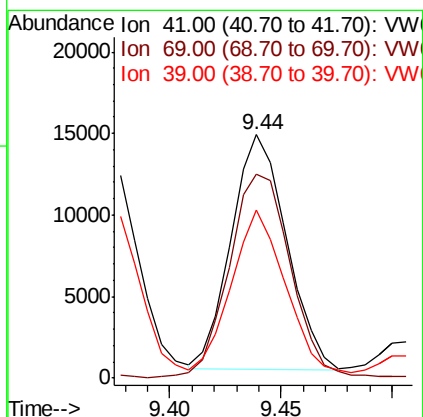
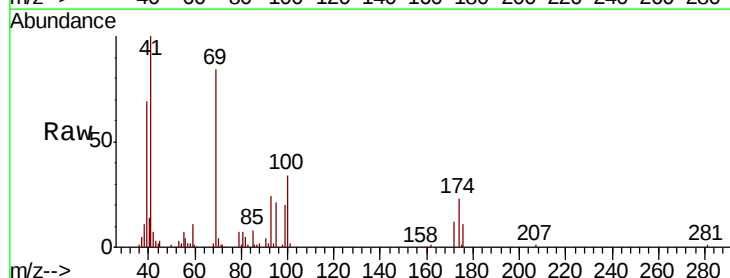
Tgt Ion: 41 Resp: 24994

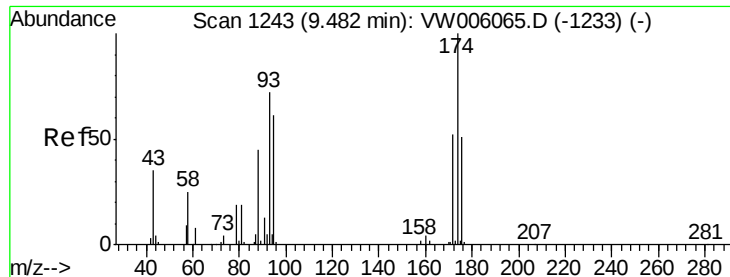
Ion Ratio Lower Upper

41 100

69 97.1 71.8 107.8

39 71.4 52.5 78.7





#49

1,4-Dioxane

Concen: 467.257 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

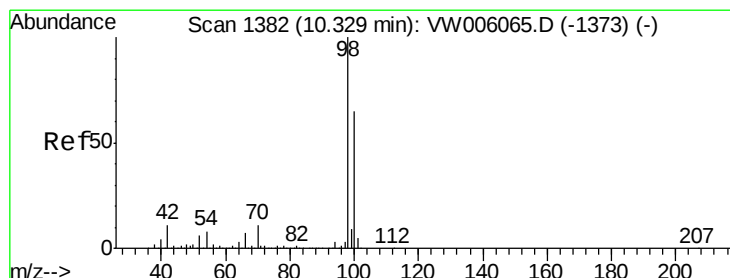
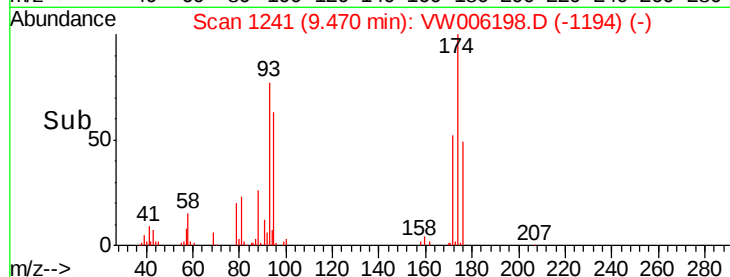
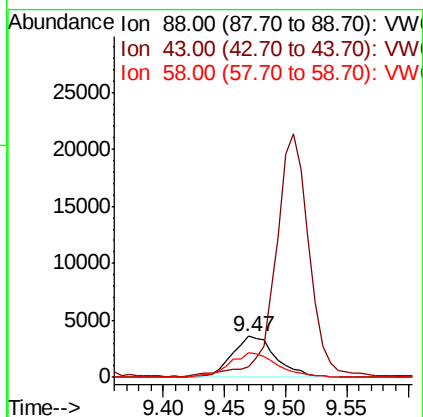
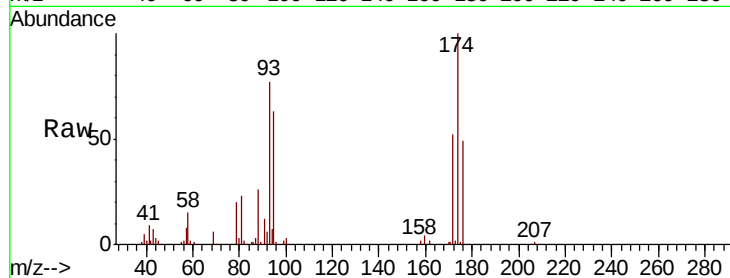
Tot Ion: 88 Resp: 8931

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 66.2 51.2 76.8



#50

Toluene-d8

Concen: 50.091 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006198.D

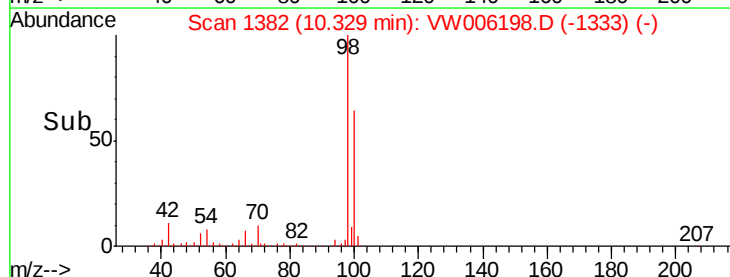
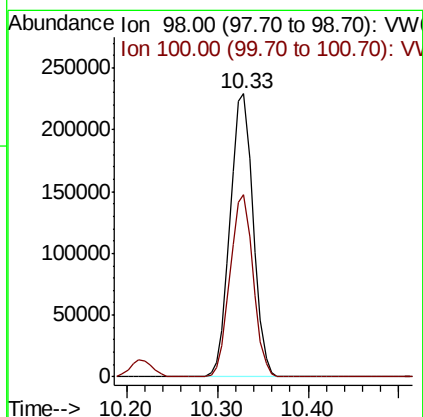
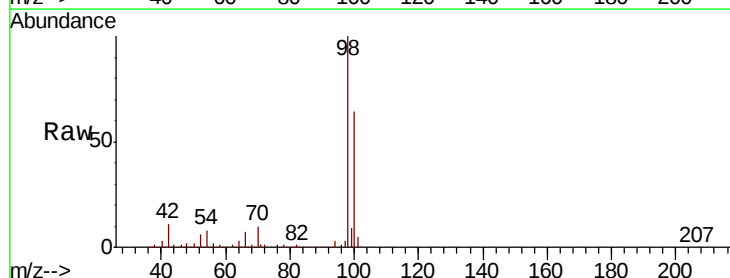
Acq: 19 Oct 2018 03:03

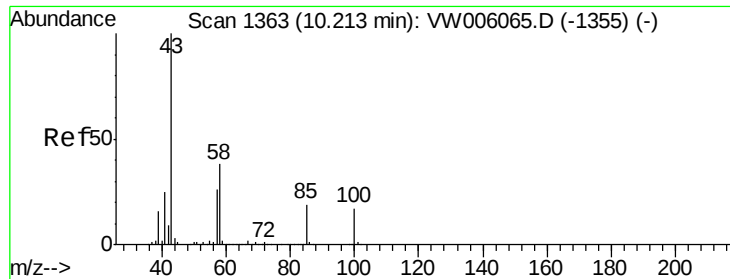
Tgt Ion: 98 Resp: 405453

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4

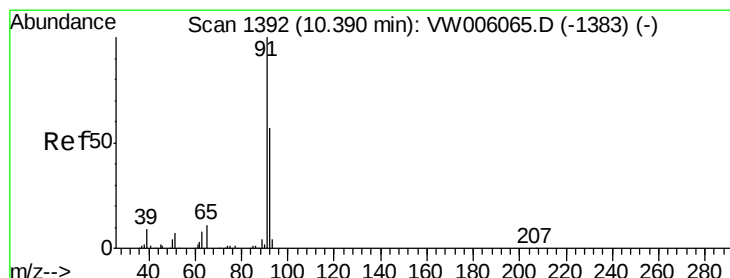
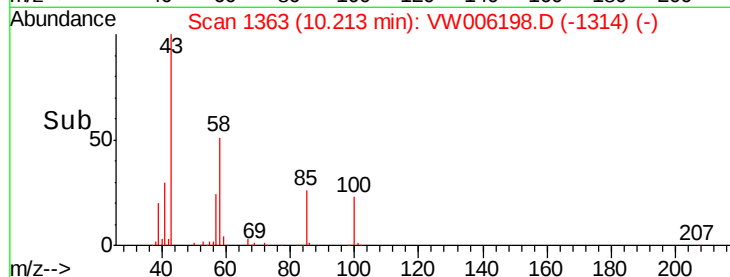
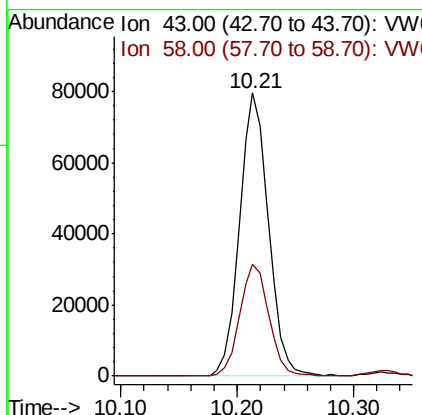
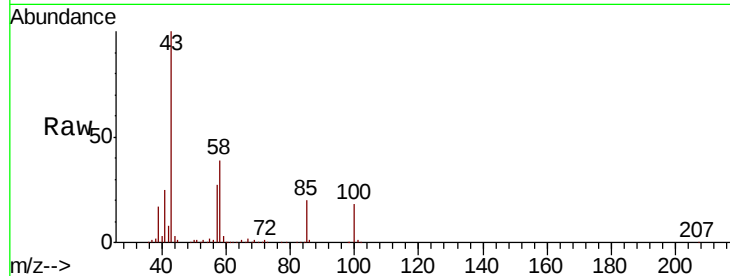




#51
4-Methyl-2-Pentanone
Concen: 108.812 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

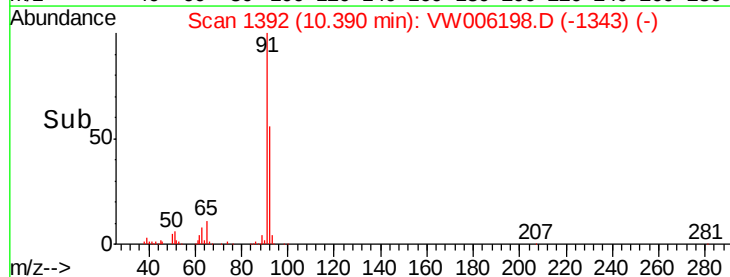
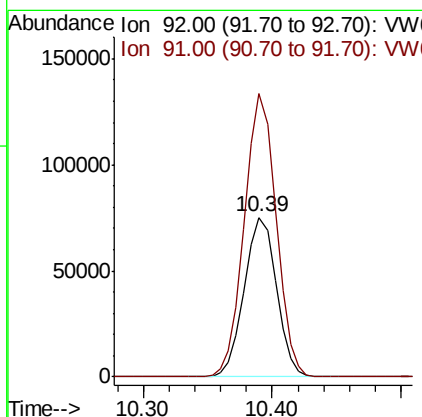
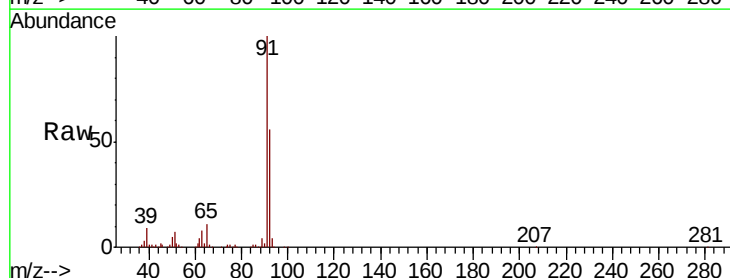
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

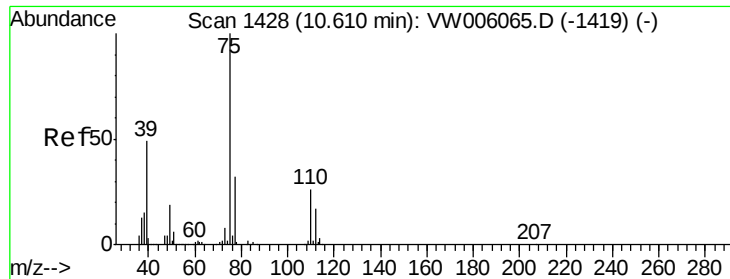
Tot Ion: 43 Resp: 137447
Ion Ratio Lower Upper
43 100
58 40.0 31.5 47.3



#52
Toluene
Concen: 21.305 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 92 Resp: 130030
Ion Ratio Lower Upper
92 100
91 175.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 18.926 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

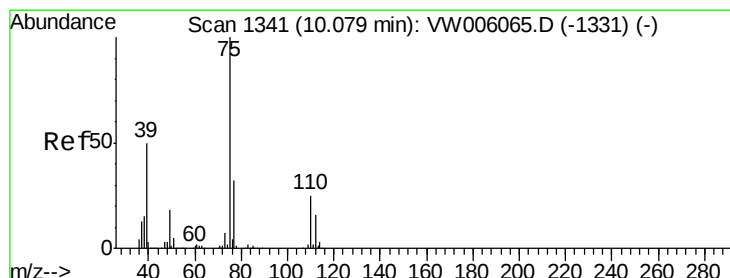
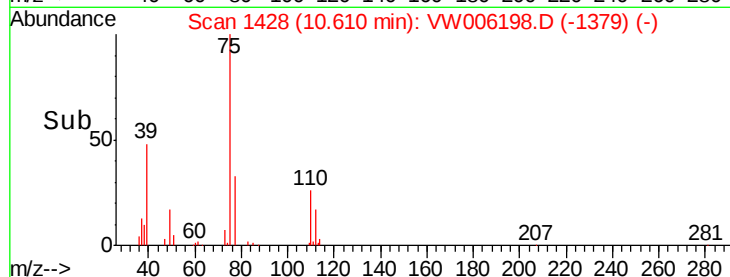
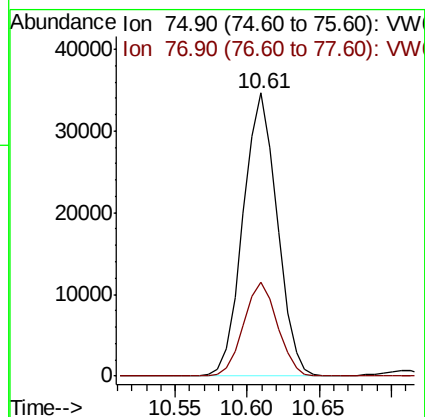
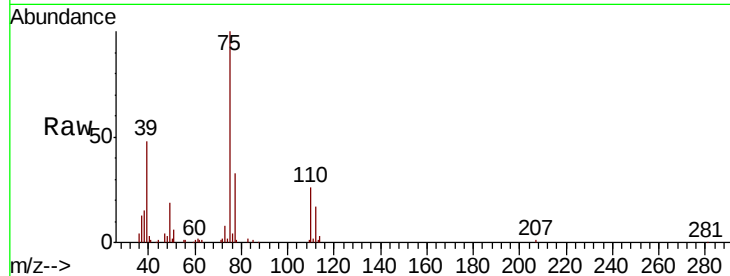
VW1018SBS02

Tot Ion: 75 Resp: 56761

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.711 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

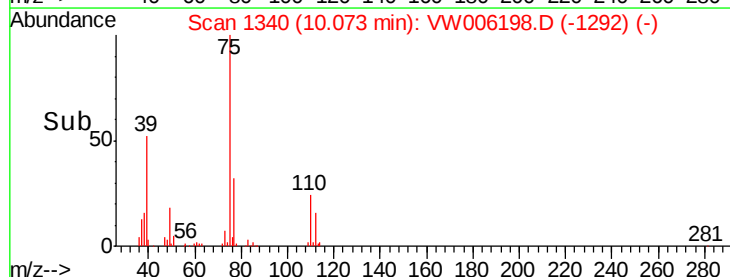
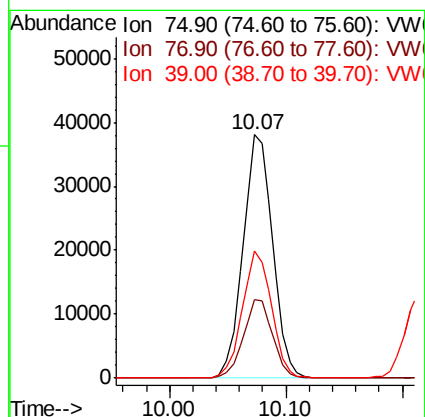
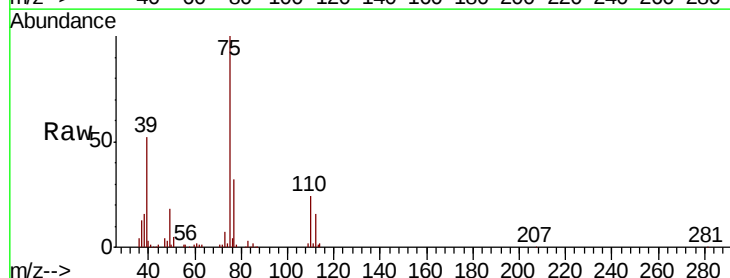
Tgt Ion: 75 Resp: 67847

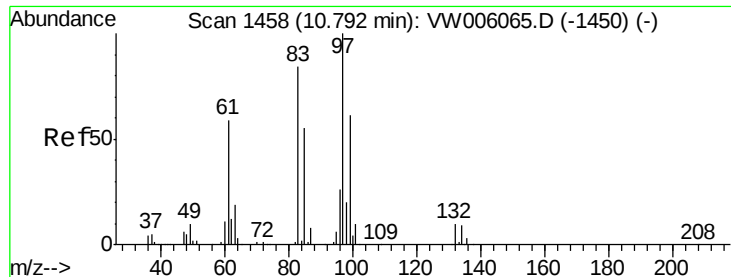
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

39 52.3 39.9 59.9

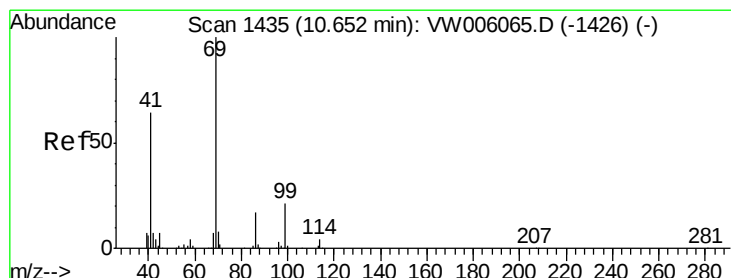
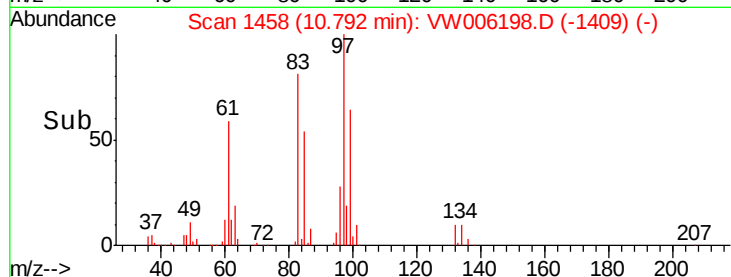
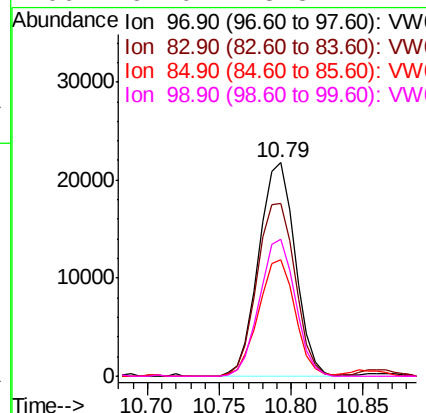
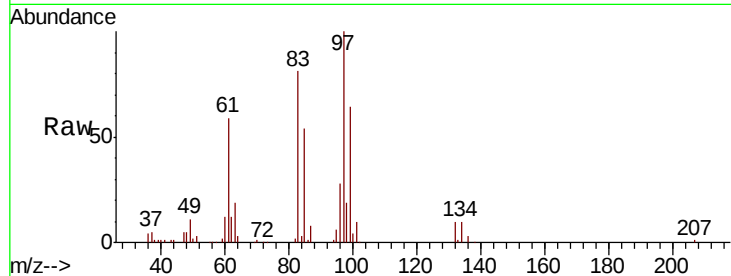




#55
 1,1,2-Trichloroethane
 Concen: 21.998 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

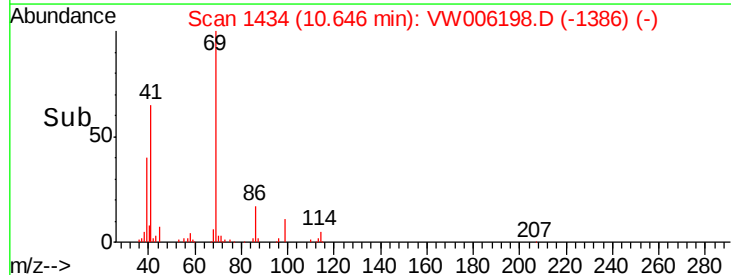
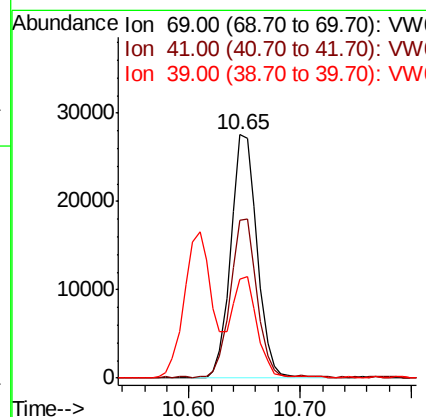
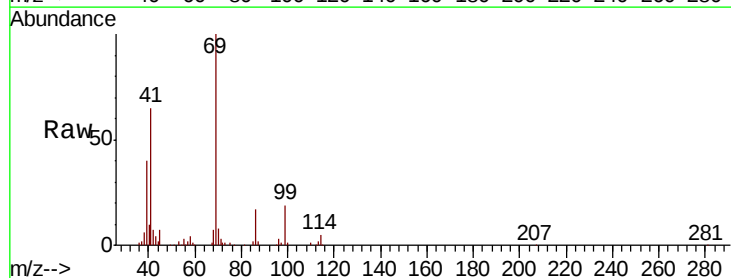
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

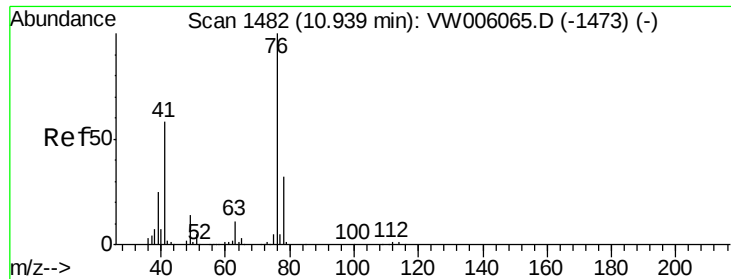
Tot Ion	97	Resp	38221
Ion	Ratio	Lower	Upper
97	100		
83	80.9	67.2	100.8
85	54.3	43.7	65.5
99	64.0	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 21.227 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion	69	Resp	45213
Ion	Ratio	Lower	Upper
69	100		
41	67.8	52.8	79.2
39	37.0	30.6	45.8

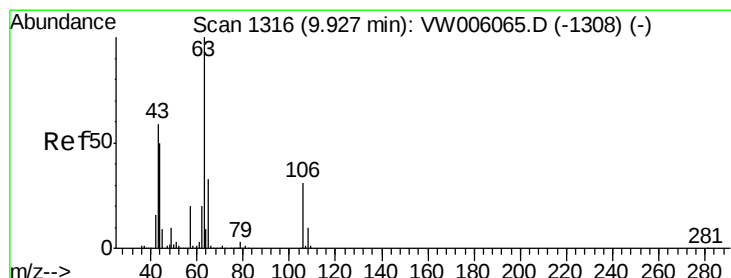
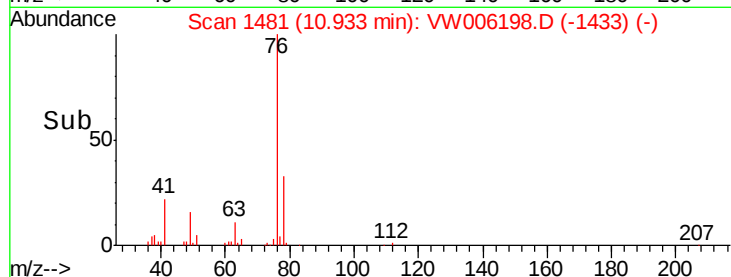
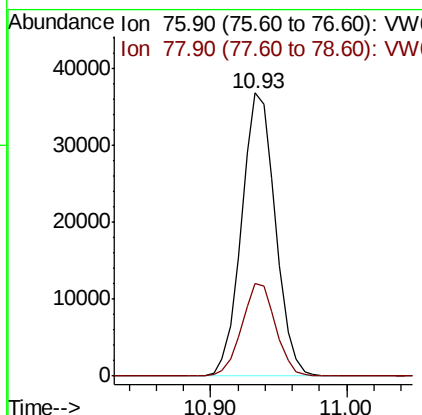
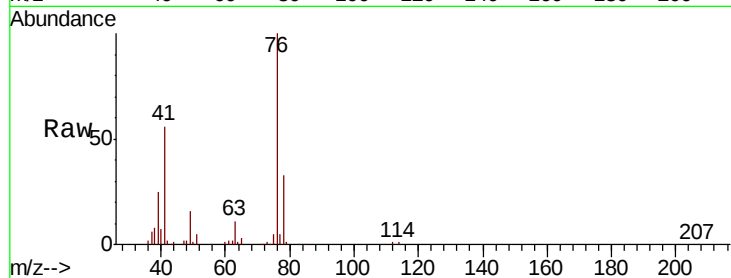




#57
 1,3-Dichloropropane
 Concen: 22.195 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

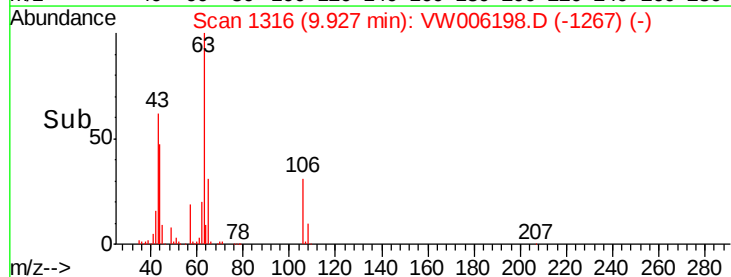
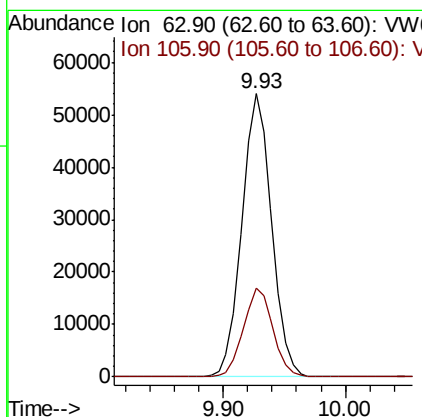
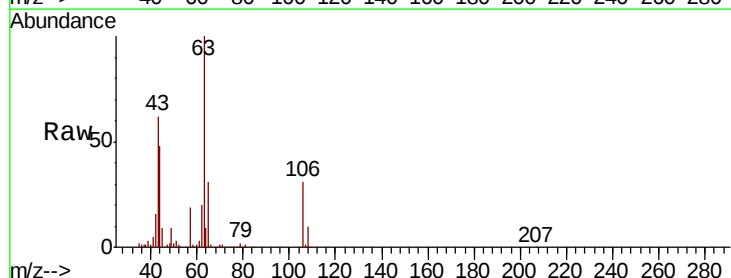
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

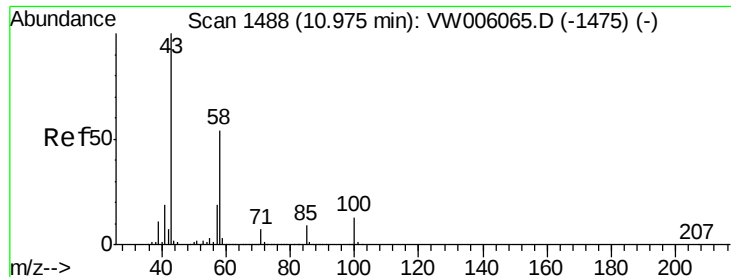
Tot Ion: 76 Resp: 63837
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.581 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion: 63 Resp: 90814
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7





#59

2-Hexanone

Concen: 103.299 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

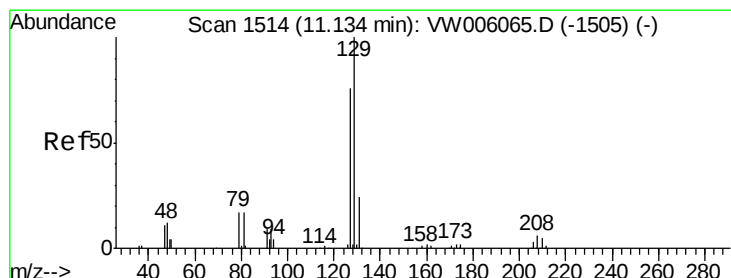
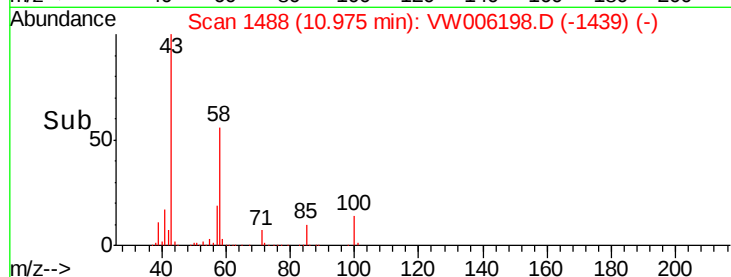
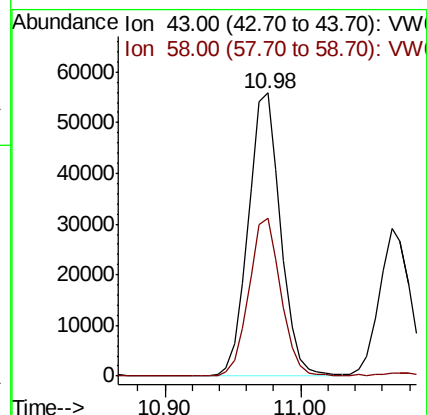
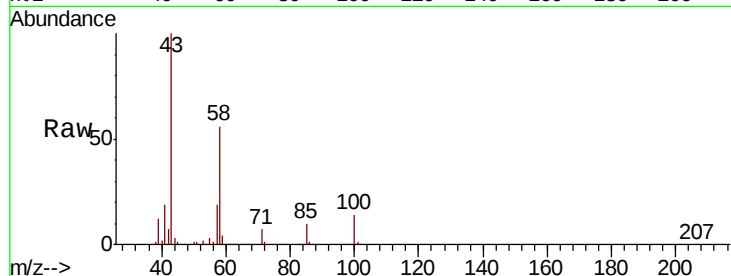
VW1018SBS02

Tot Ion: 43 Resp: 93144

Ion Ratio Lower Upper

43 100

58 55.1 26.9 80.6



#60

Dibromochloromethane

Concen: 19.709 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW006198.D

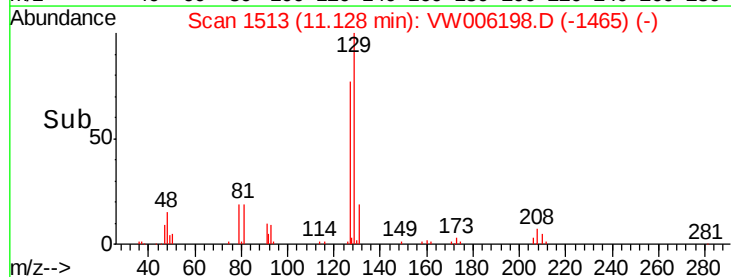
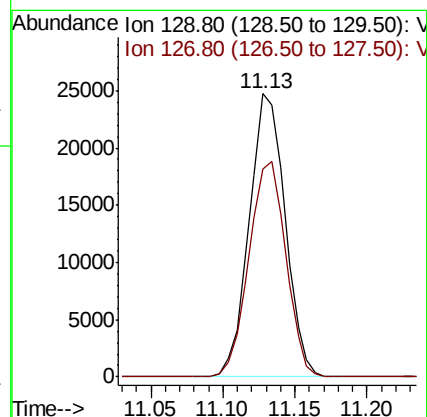
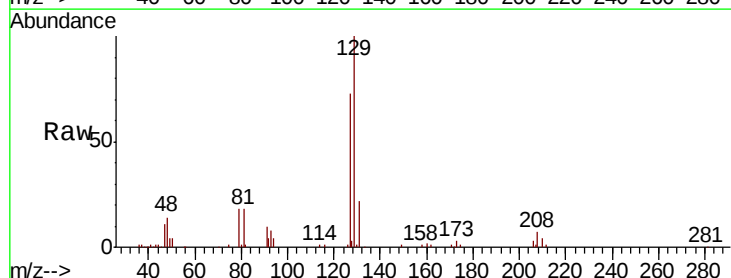
Acq: 19 Oct 2018 03:03

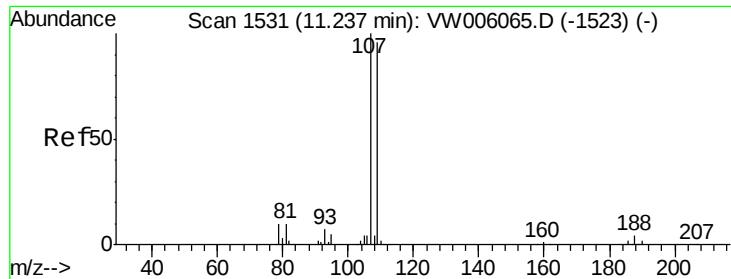
Tgt Ion: 129 Resp: 42654

Ion Ratio Lower Upper

129 100

127 78.2 38.6 115.7

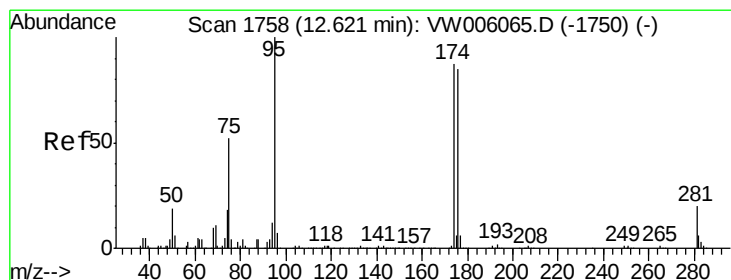
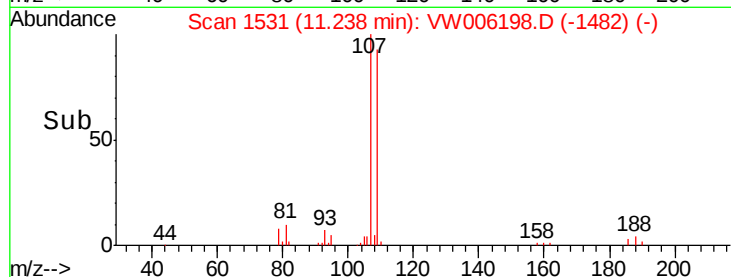
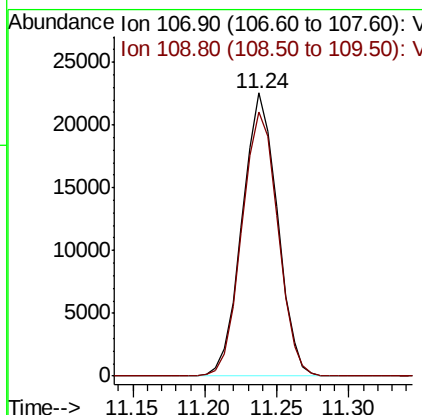
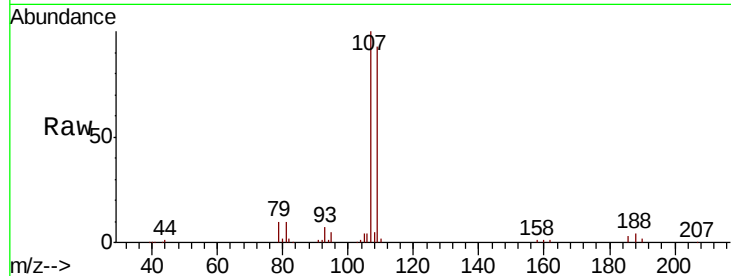




#61
 1,2-Dibromoethane
 Concen: 21.979 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

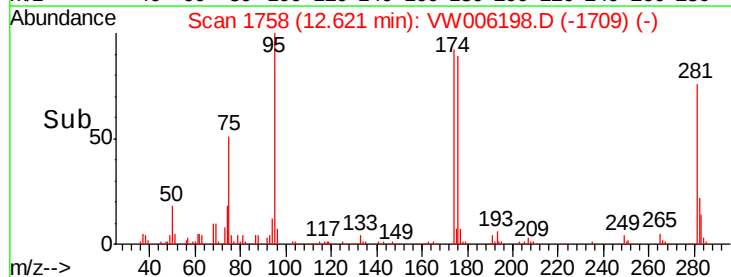
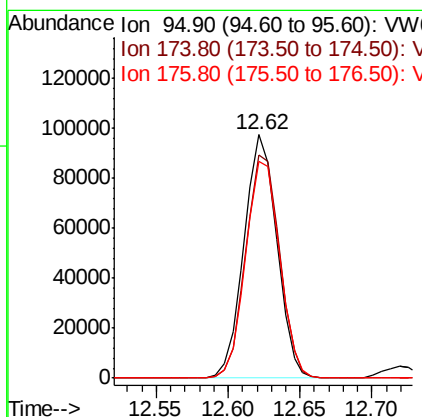
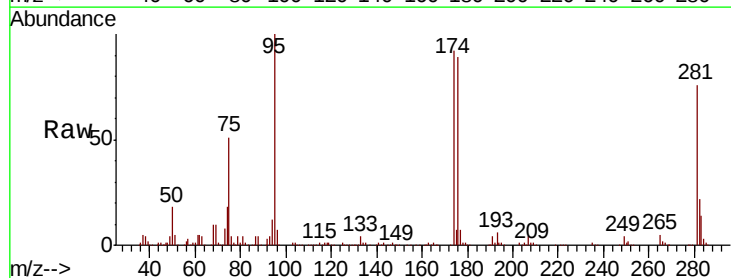
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

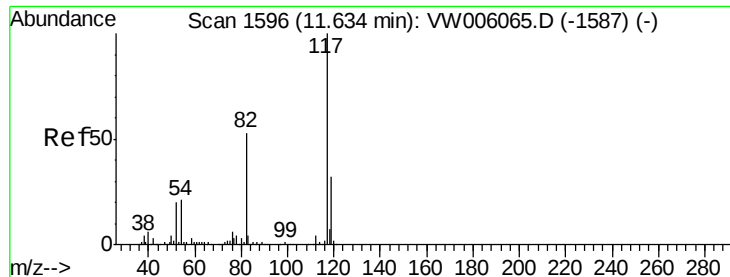
Tot Ion:107 Resp: 38157
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 50.645 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion: 95 Resp: 153967
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 186.0
 176 92.0 0.0 181.6

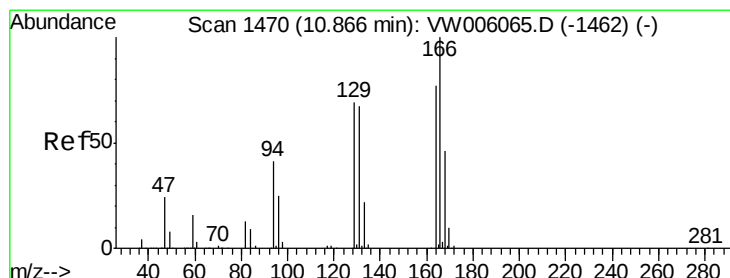
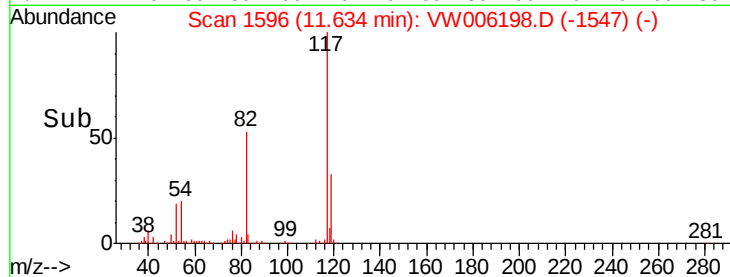
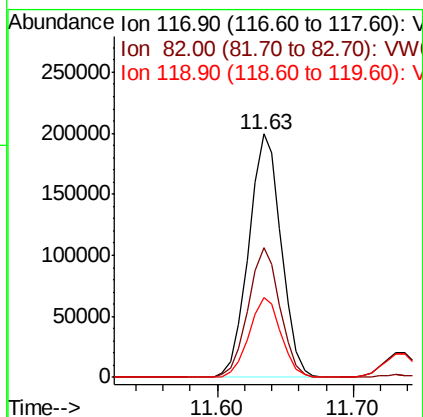
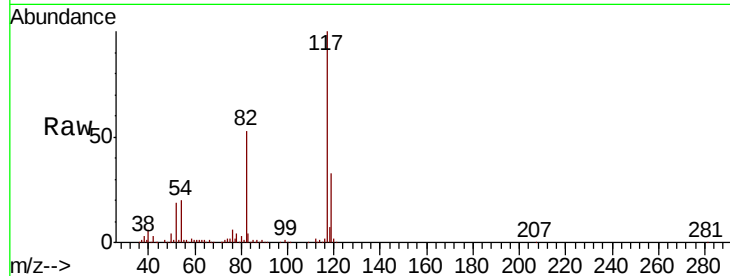




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

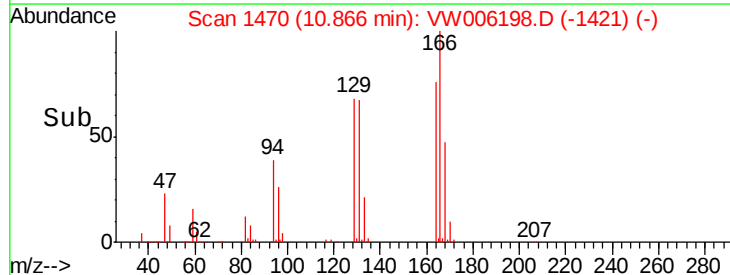
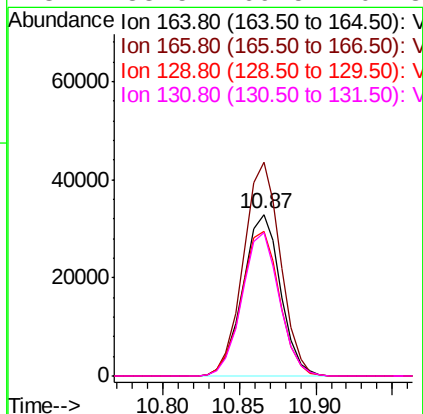
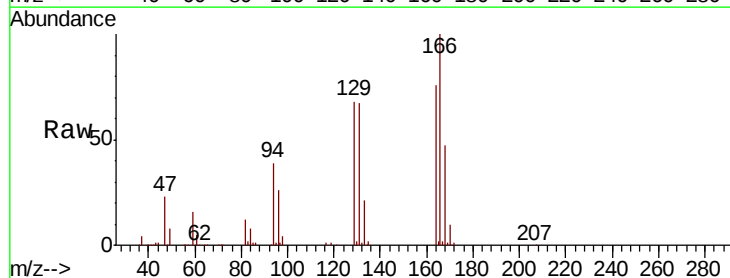
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

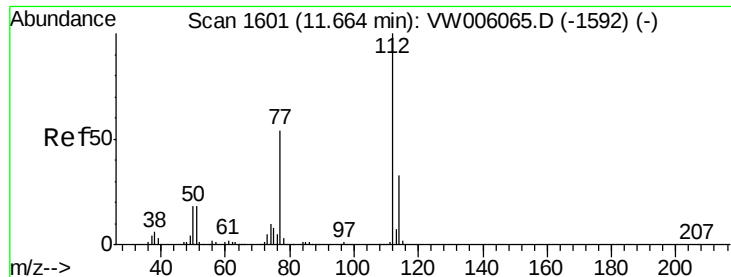
Tot Ion:117 Resp: 333605
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 21.709 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion:164 Resp: 56222
Ion Ratio Lower Upper
164 100
166 132.2 103.4 155.0
129 89.6 71.8 107.8
131 88.5 69.5 104.3

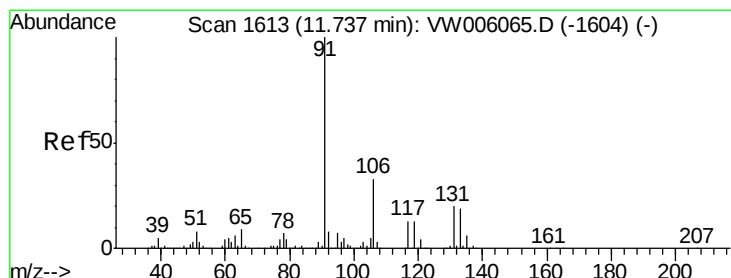
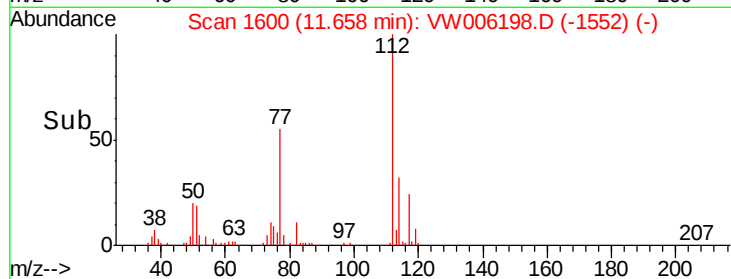
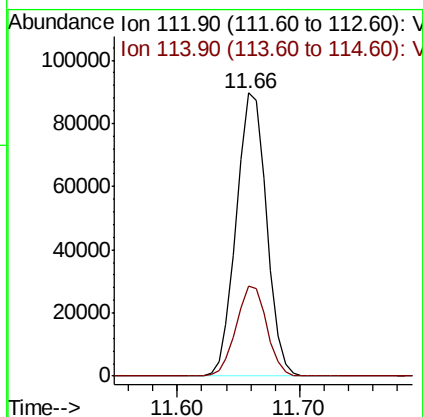
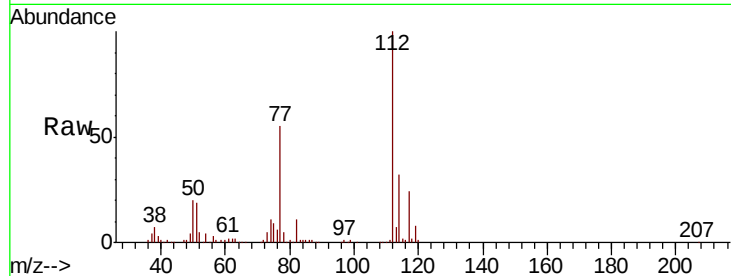




#65
Chlorobenzene
Concen: 21.547 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

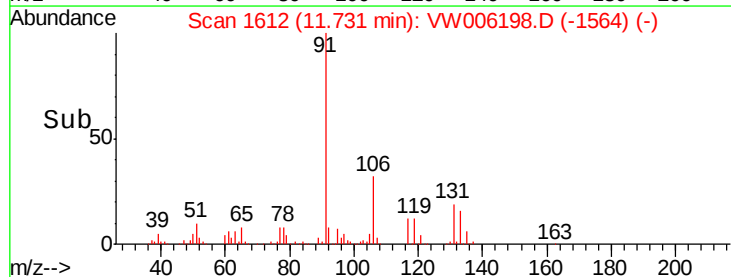
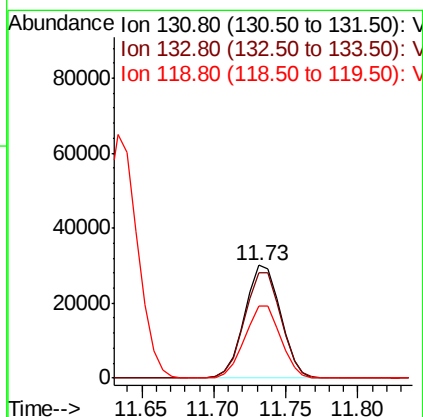
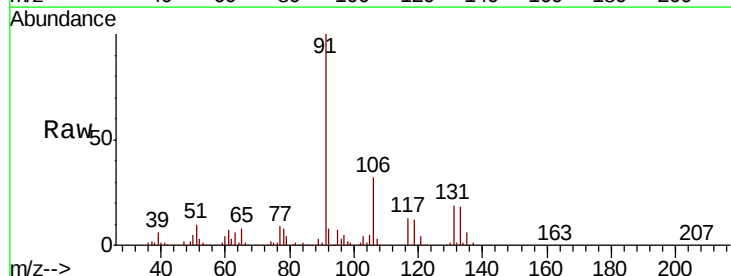
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

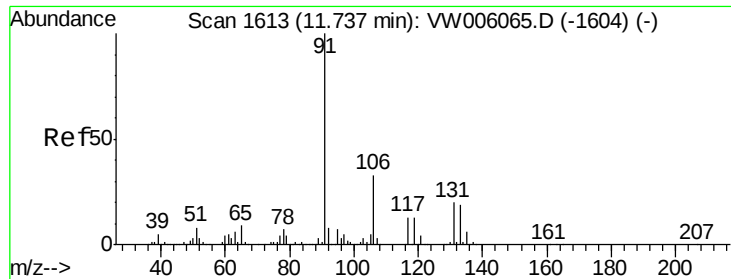
Tot Ion:112 Resp: 153880
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.506 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion:131 Resp: 52043
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 63.9 31.6 94.7

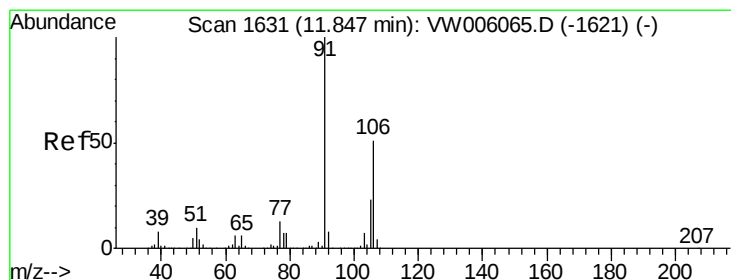
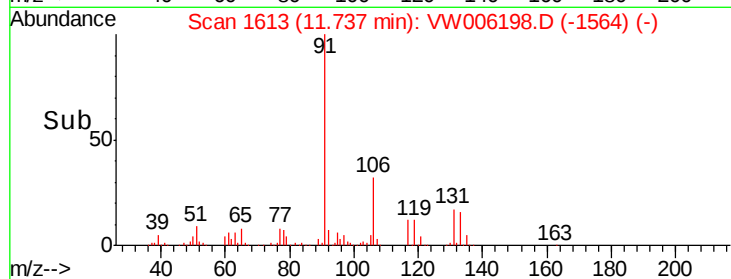
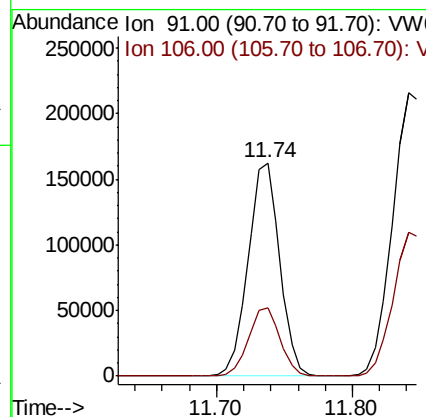
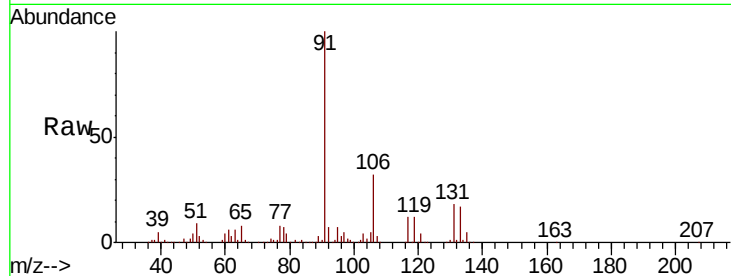




#67
Ethyl Benzene
Concen: 21.332 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

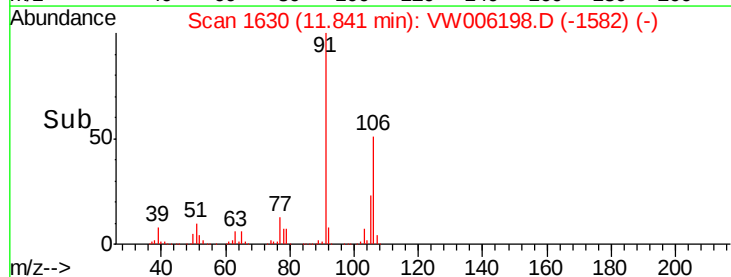
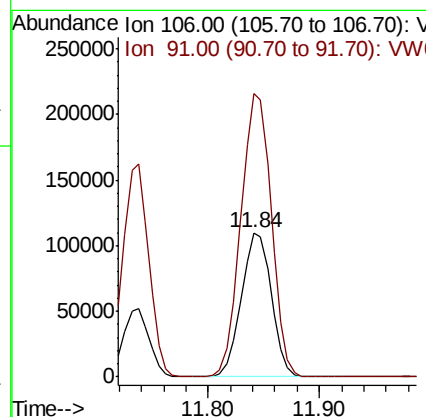
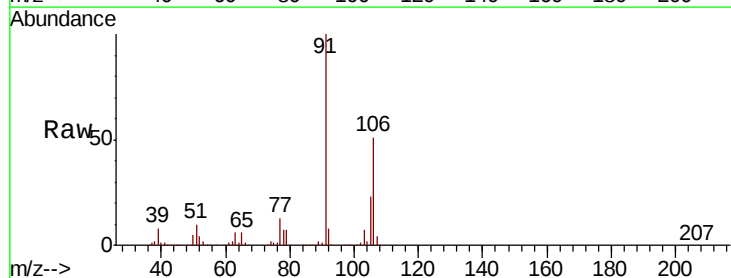
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

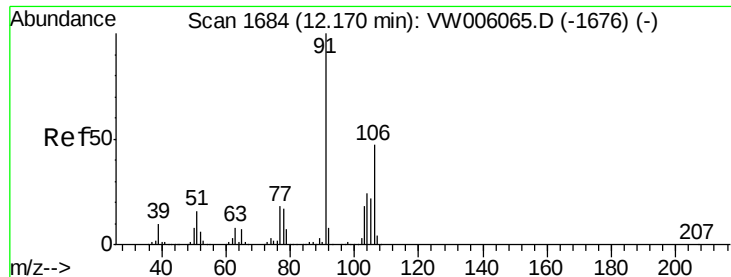
Tot Ion: 91 Resp: 264013
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 41.831 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 106 Resp: 204628
Ion Ratio Lower Upper
106 100
91 200.5 159.1 238.7

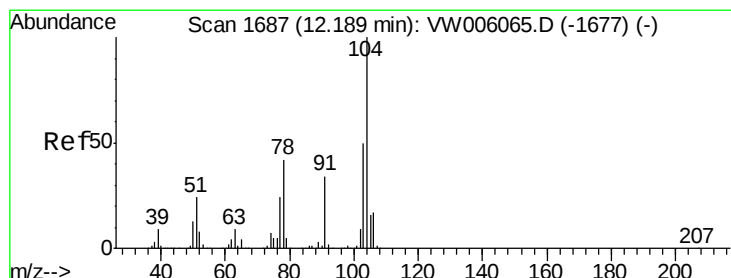
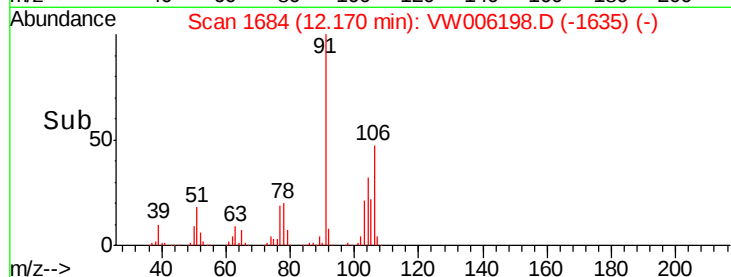
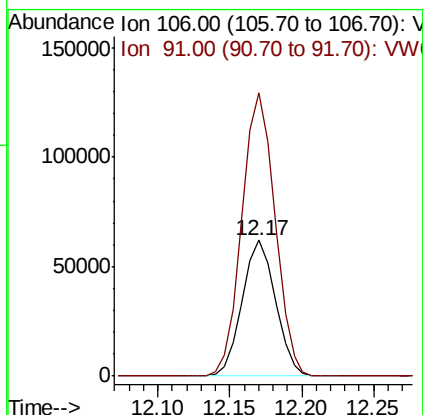
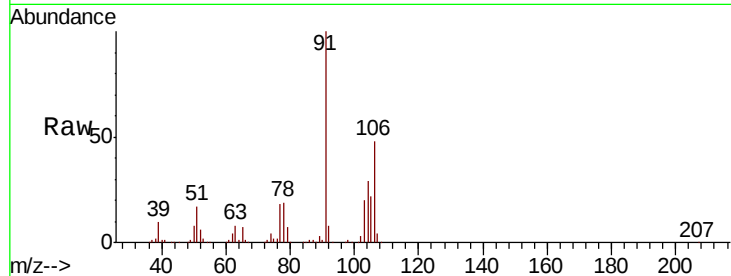




#69
o-Xylene
Concen: 21.292 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

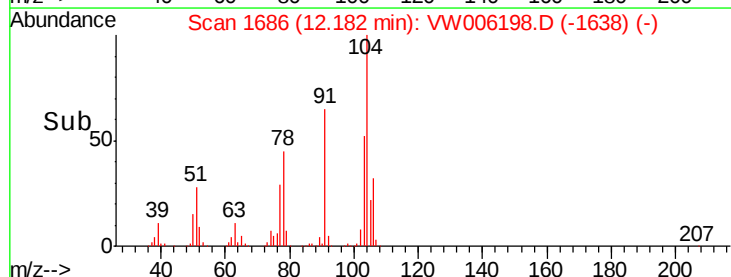
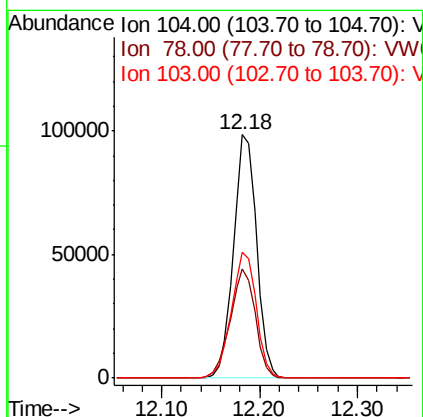
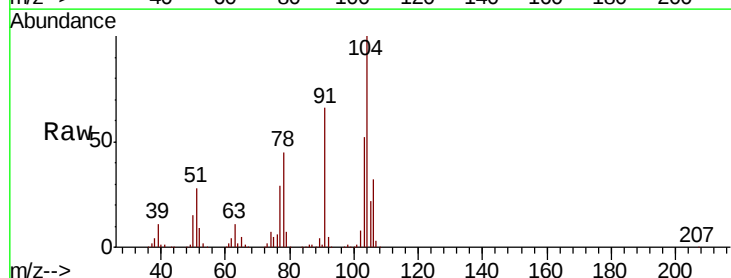
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

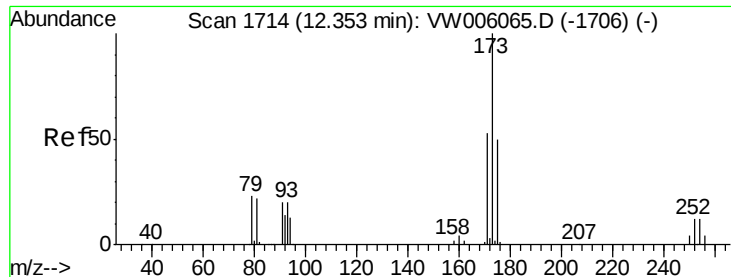
Tot Ion:106 Resp: 99265
Ion Ratio Lower Upper
106 100
91 208.3 105.4 316.1



#70
Styrene
Concen: 21.363 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion:104 Resp: 161952
Ion Ratio Lower Upper
104 100
78 48.5 39.1 58.7
103 55.7 44.3 66.5





#71

Bromoform

Concen: 18.055 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

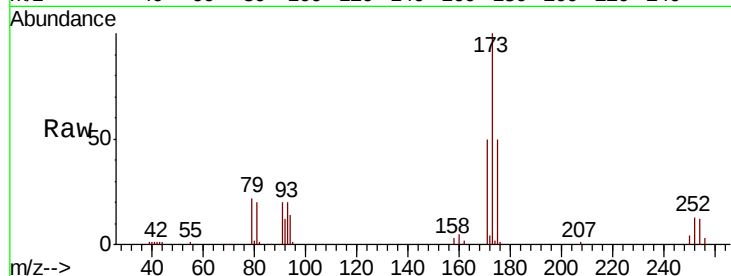
Tot Ion:173 Resp: 25558

Ion Ratio Lower Upper

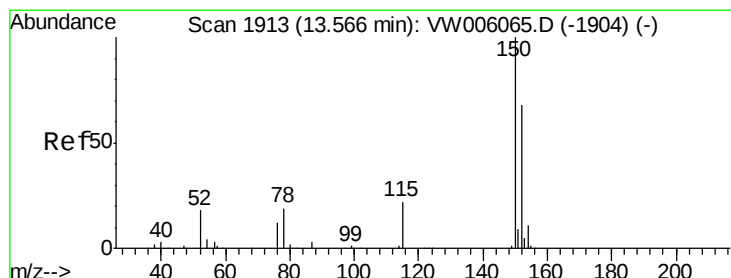
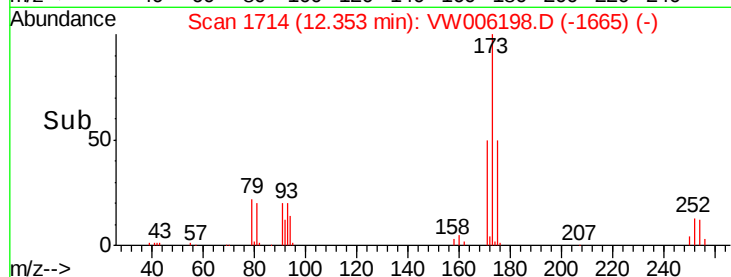
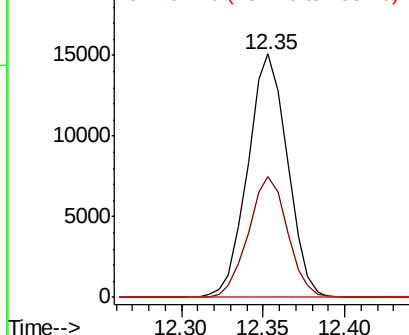
173 100

175 48.9 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: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

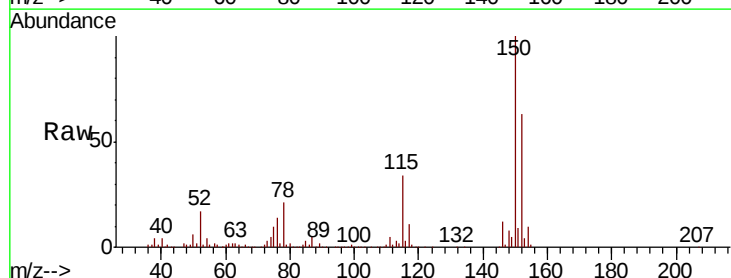
Tgt Ion:152 Resp: 186353

Ion Ratio Lower Upper

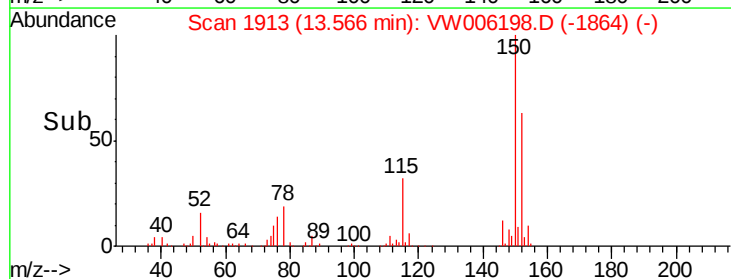
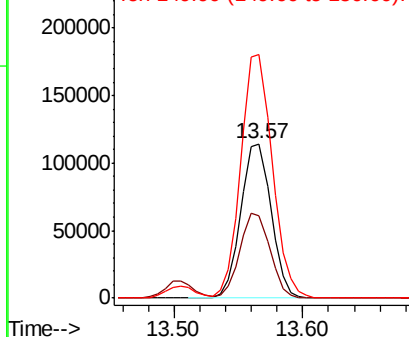
152 100

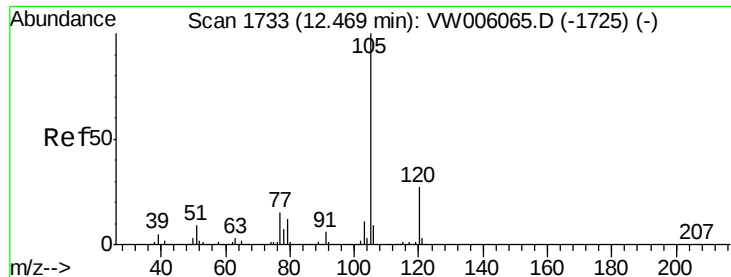
115 54.7 27.8 83.3

150 164.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.919 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

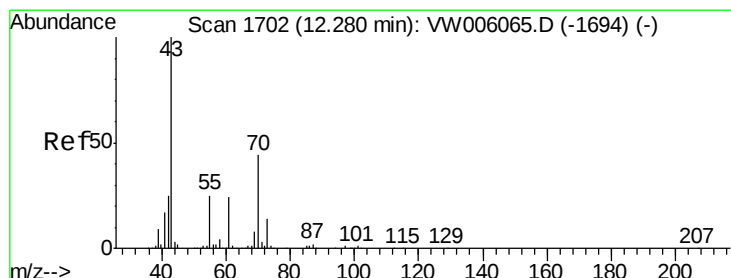
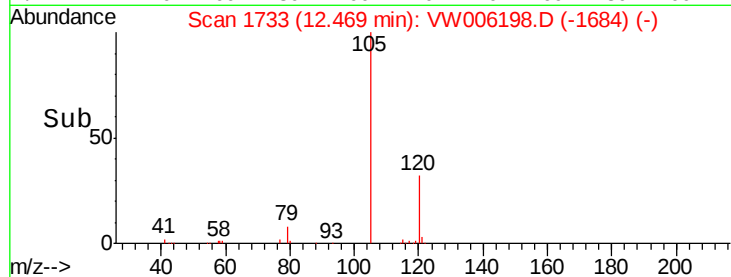
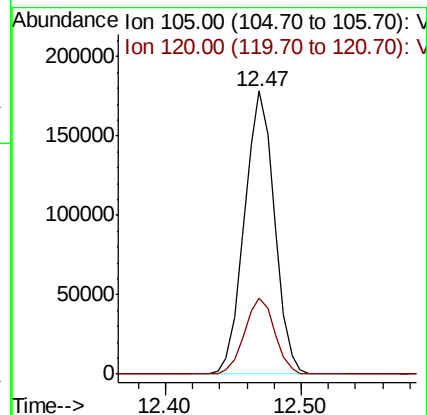
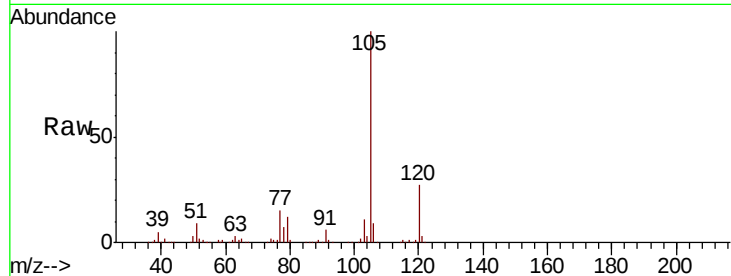
VW1018SBS02

Tot Ion:105 Resp: 275408

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 20.388 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Tgt Ion: 43 Resp: 52133

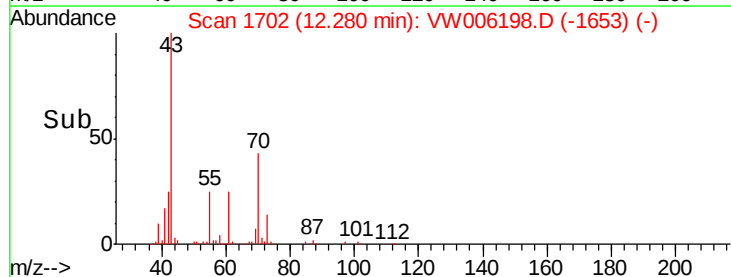
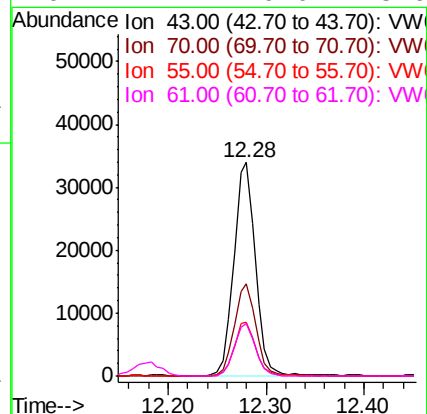
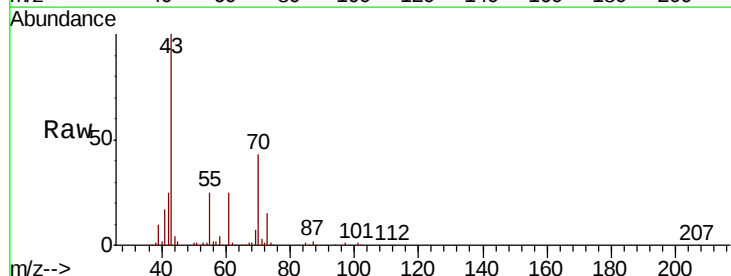
Ion Ratio Lower Upper

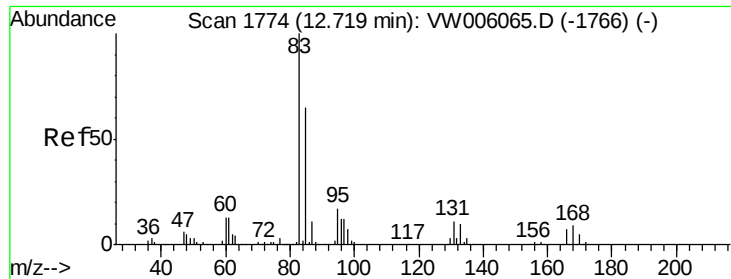
43 100

70 43.0 34.2 51.4

55 25.3 19.2 28.8

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.707 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

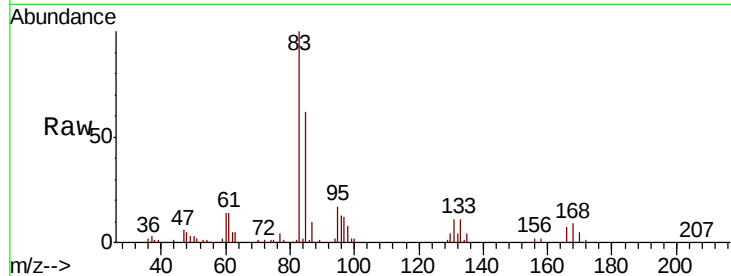
Tot Ion: 83 Resp: 43466

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.7

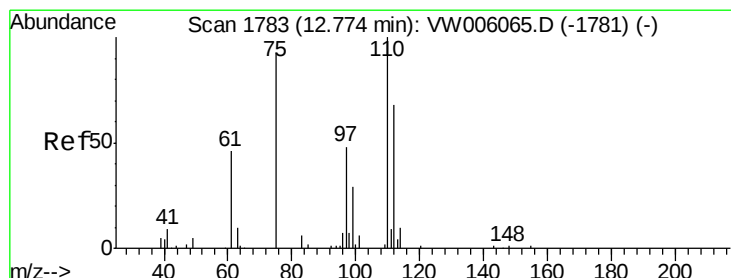
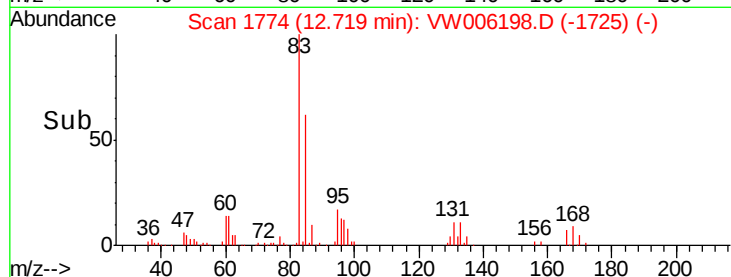
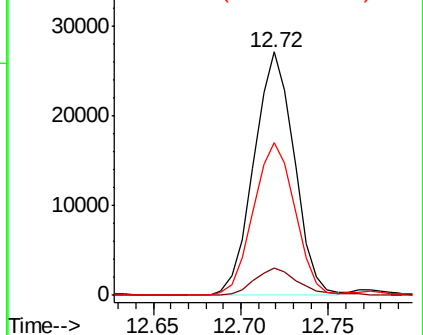
85 64.2 31.9 95.9



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: 38.238 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006198.D

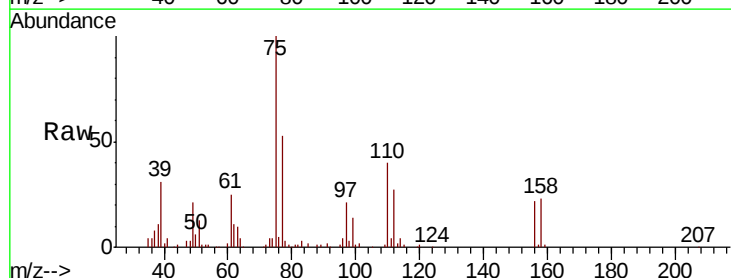
Acq: 19 Oct 2018 03:03

Tgt Ion: 75 Resp: 54427

Ion Ratio Lower Upper

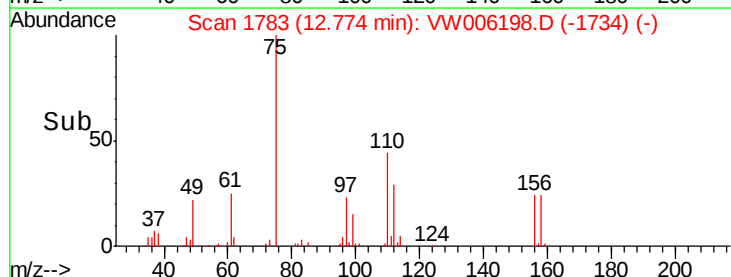
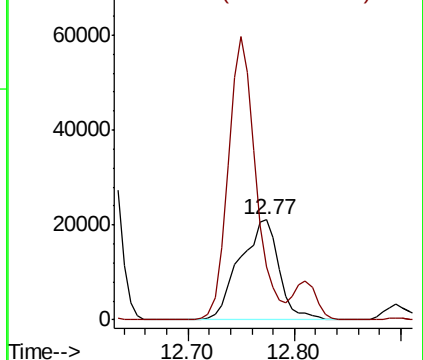
75 100

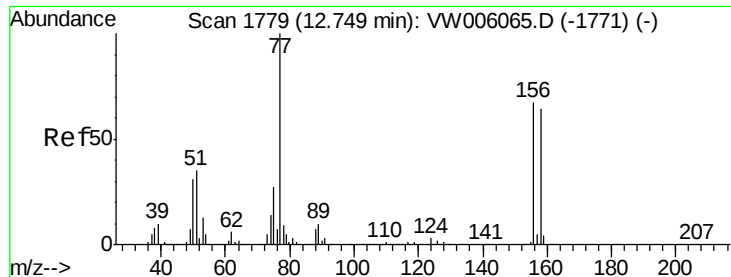
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.220 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

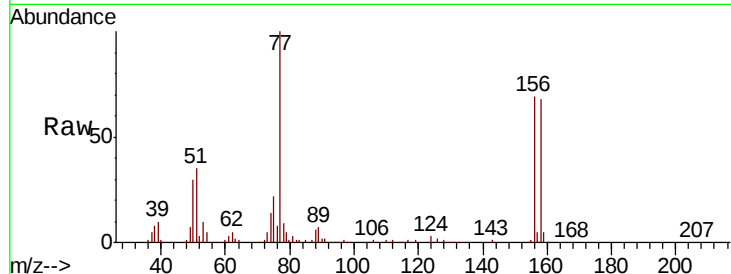
Tot Ion:156 Resp: 68426

Ion Ratio Lower Upper

156 100

77 159.4 79.1 237.4

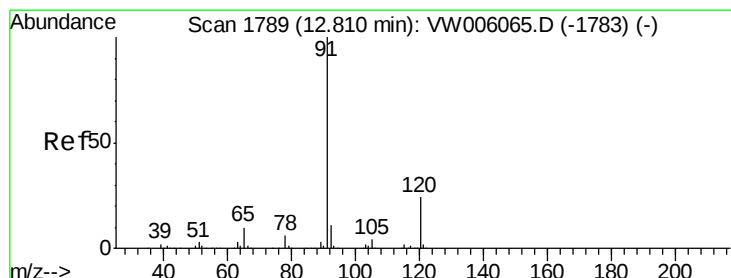
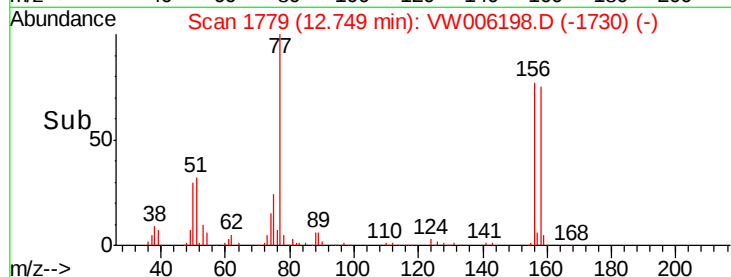
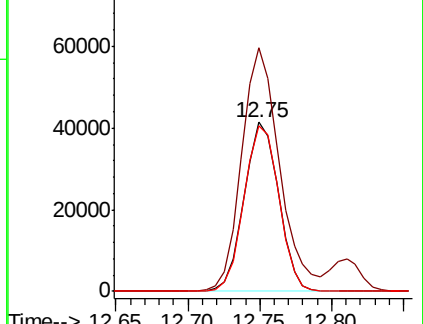
158 99.0 48.5 145.6



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: 20.896 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006198.D

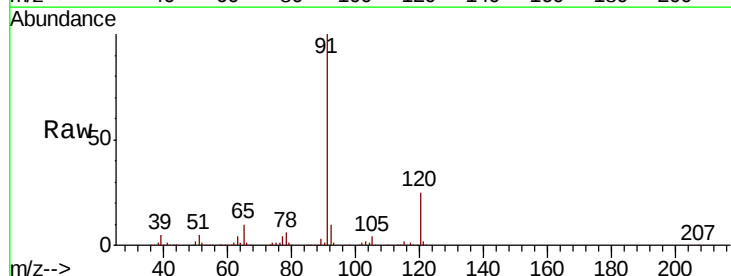
Acq: 19 Oct 2018 03:03

Tgt Ion: 91 Resp: 320053

Ion Ratio Lower Upper

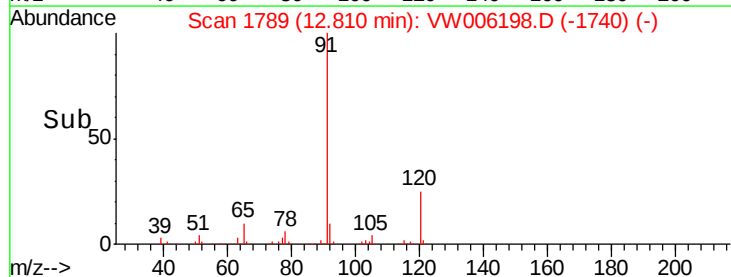
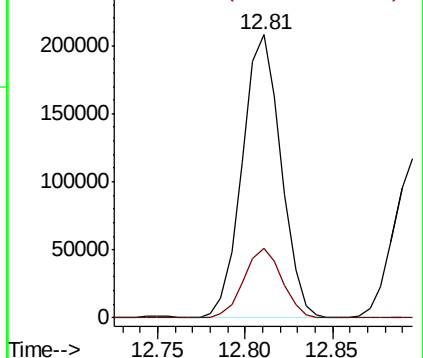
91 100

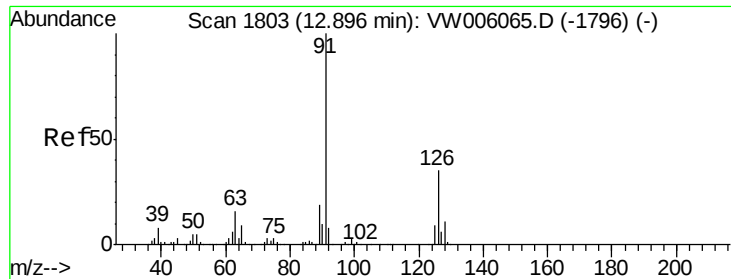
120 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

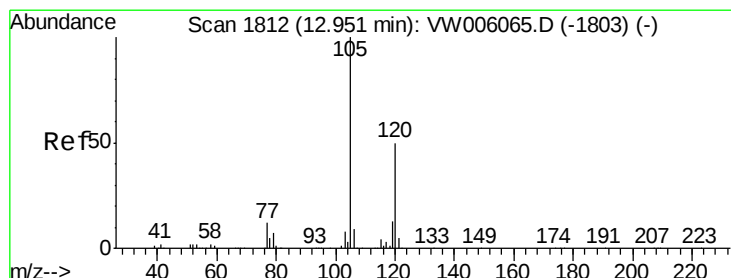
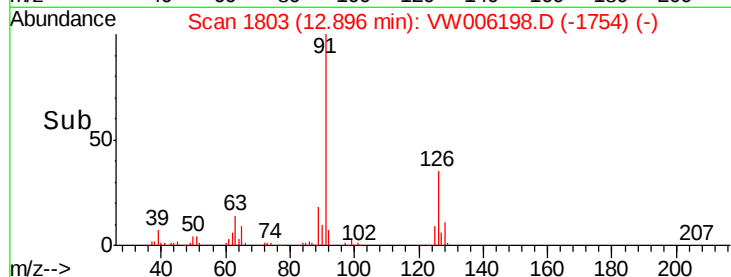
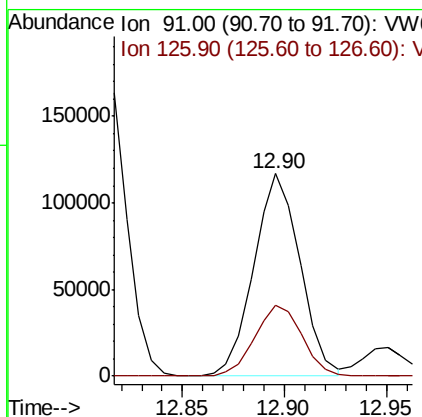
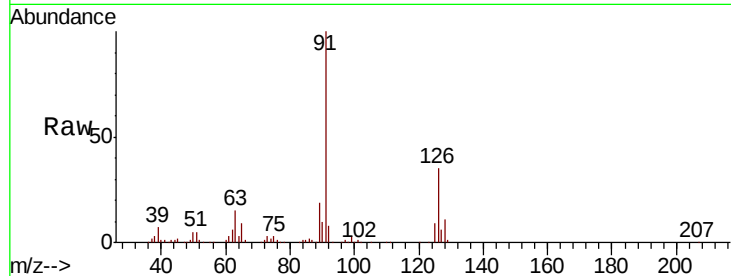




#79
 2-Chlorotoluene
 Concen: 21.386 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

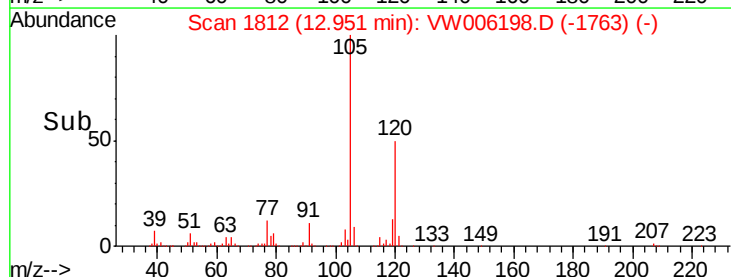
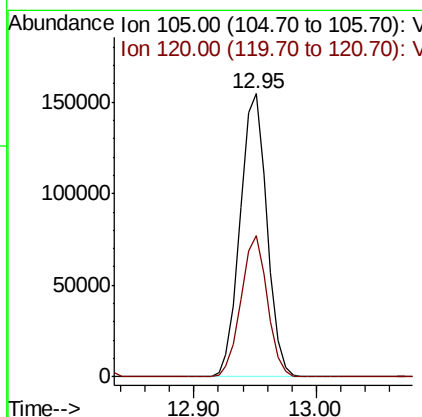
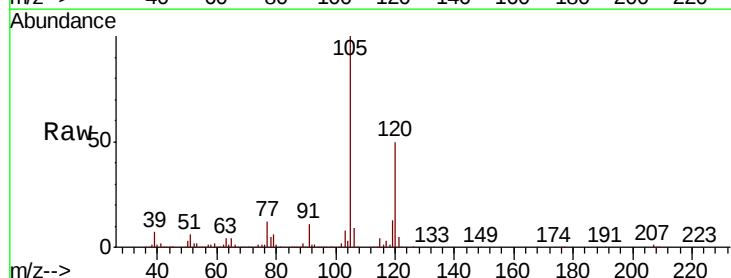
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

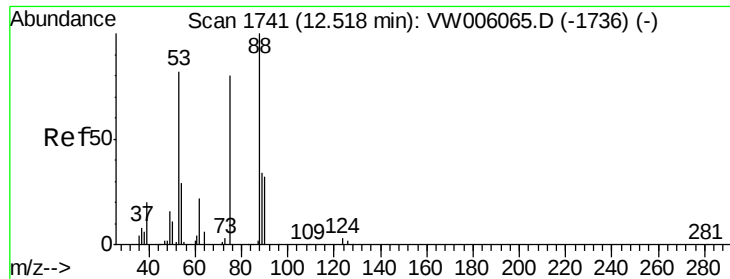
Tot Ion: 91 Resp: 184046
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.066 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion:105 Resp: 233801
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.9 74.6

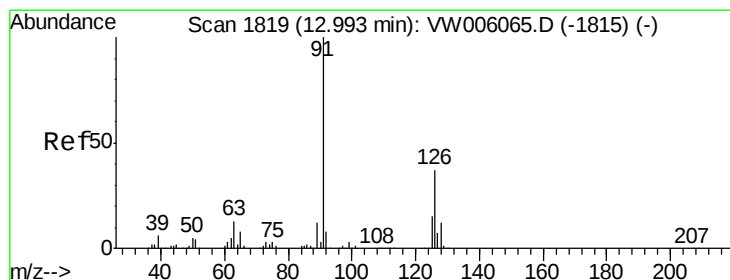
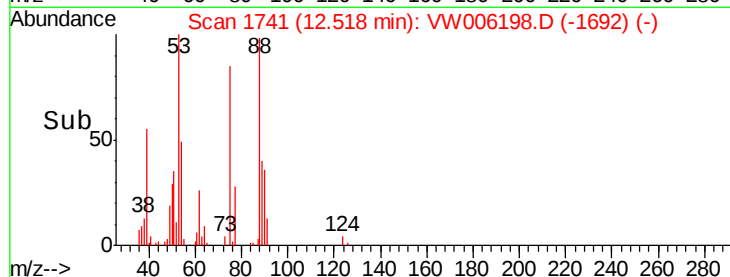
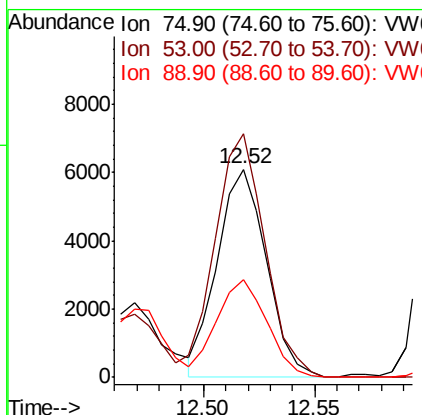
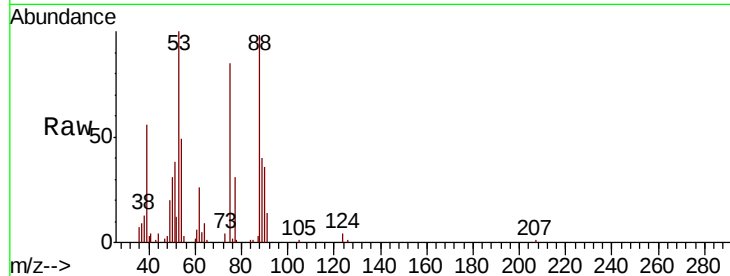




#81
trans-1,4-Dichloro-2-butene
Concen: 15.697 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

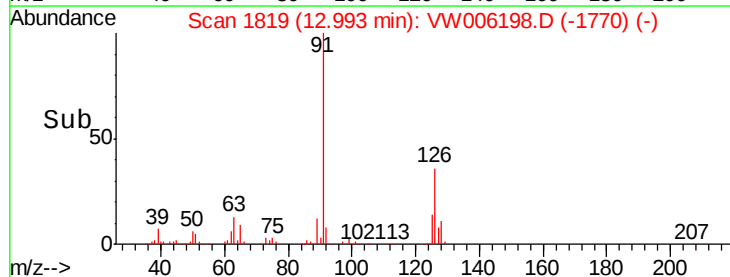
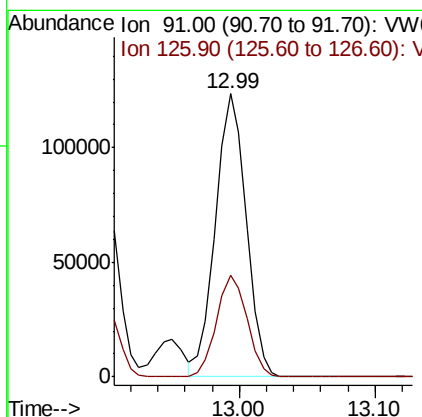
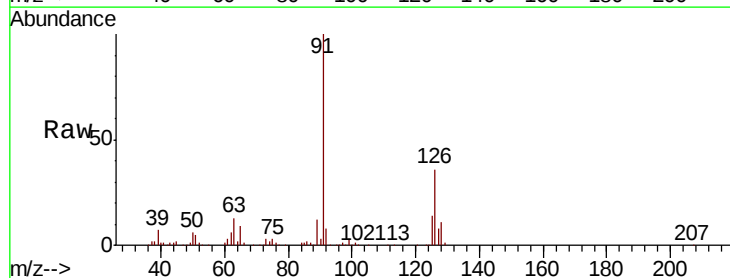
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

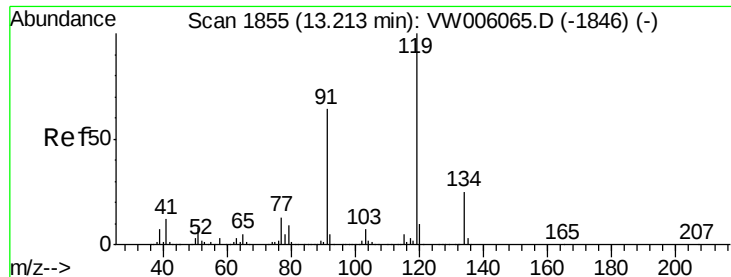
Tot Ion: 75 Resp: 9347
Ion Ratio Lower Upper
75 100
53 119.5 79.8 119.6
89 48.2 37.5 56.3



#82
4-Chlorotoluene
Concen: 21.495 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion: 91 Resp: 193772
Ion Ratio Lower Upper
91 100
126 35.6 18.1 54.3

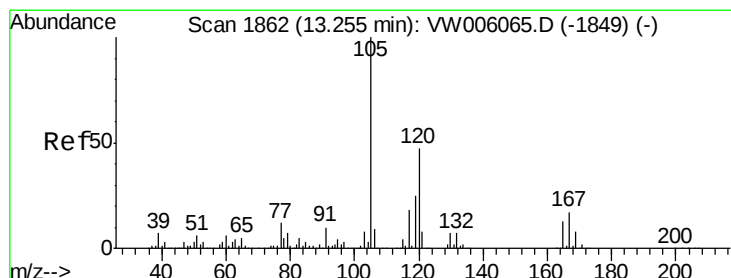
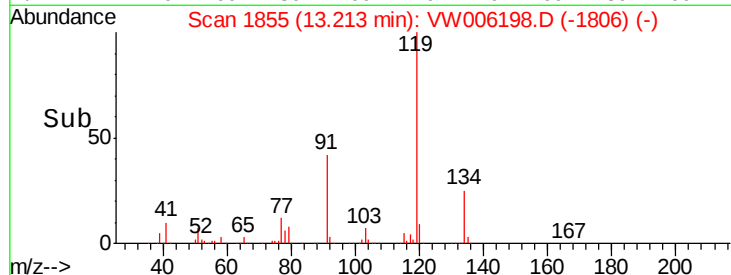
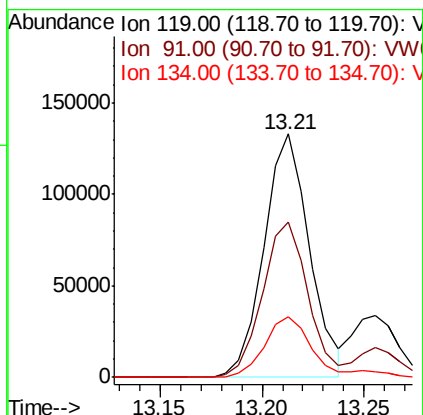
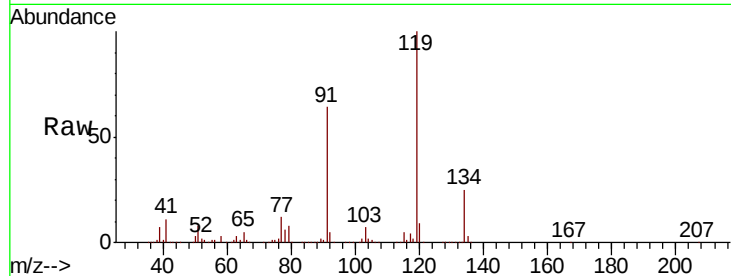




#83
tert-Butylbenzene
Concen: 20.839 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

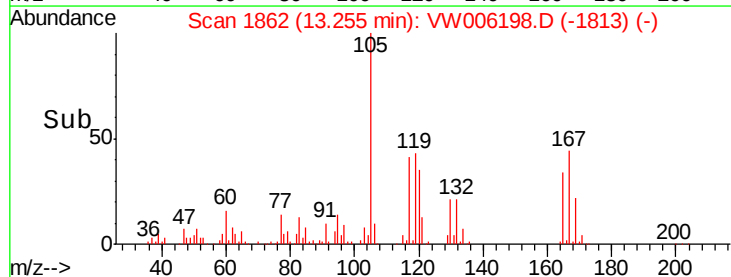
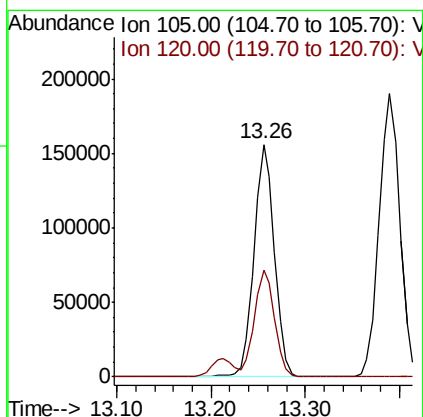
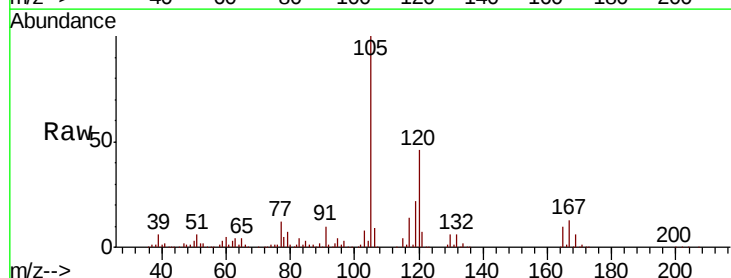
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS02

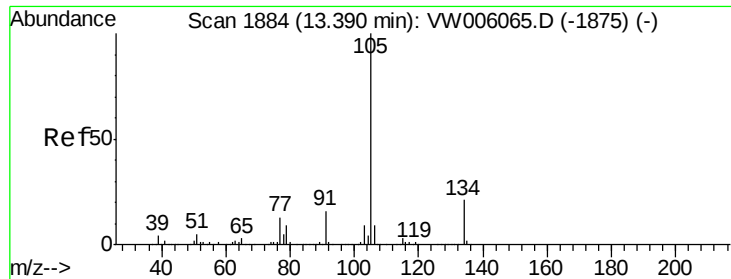
Tot Ion:119 Resp: 206927
Ion Ratio Lower Upper
119 100
91 63.7 32.3 96.9
134 25.2 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.210 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006198.D
Acq: 19 Oct 2018 03:03

Tgt Ion:105 Resp: 238204
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.723 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

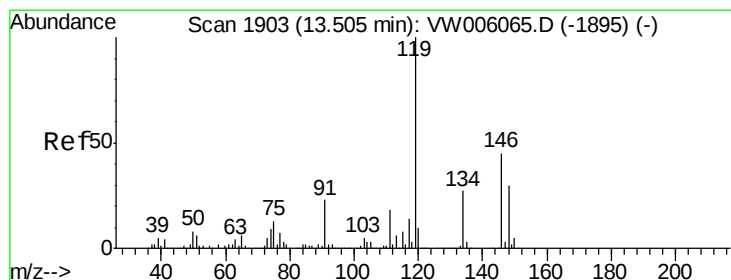
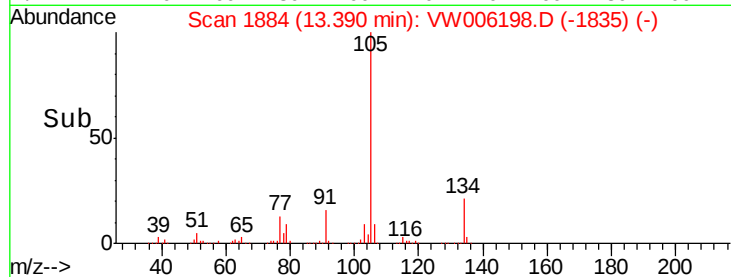
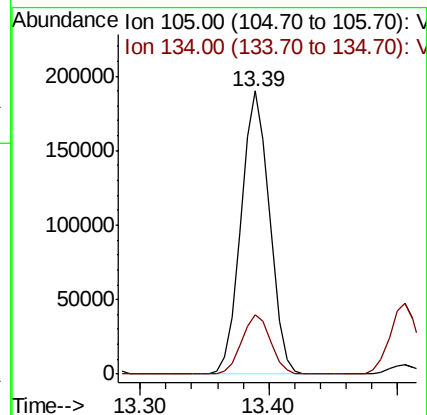
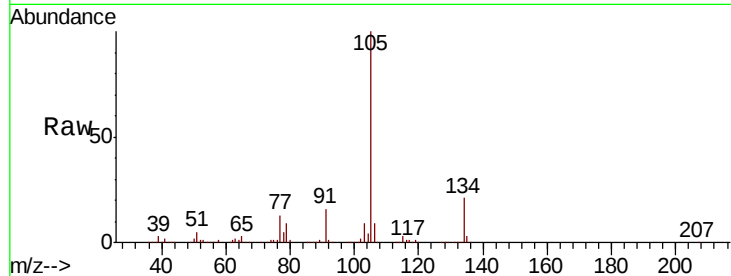
VW1018SBS02

Tot Ion:105 Resp: 290709

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.837 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

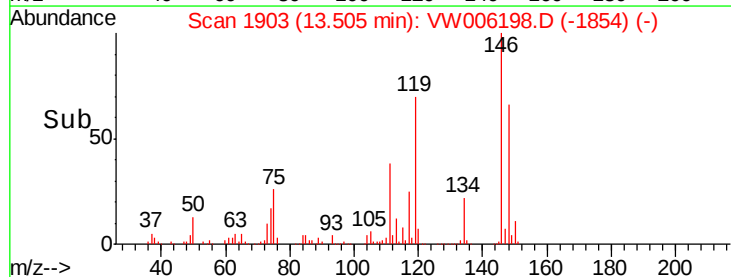
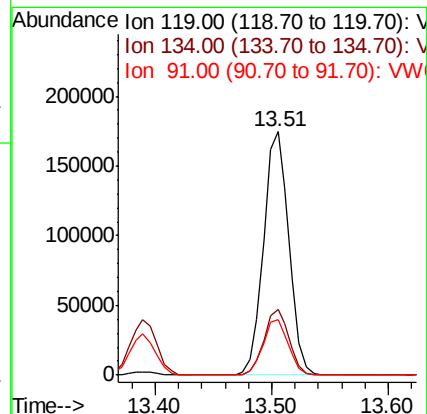
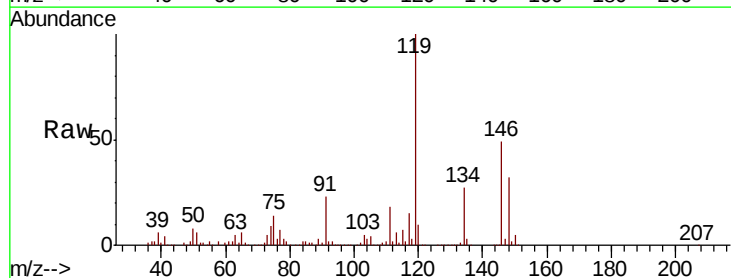
Tgt Ion:119 Resp: 264398

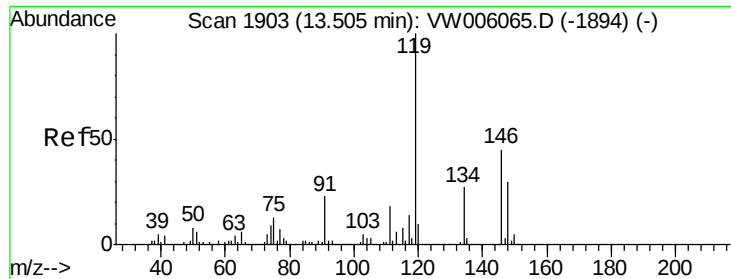
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.8 11.4 34.1

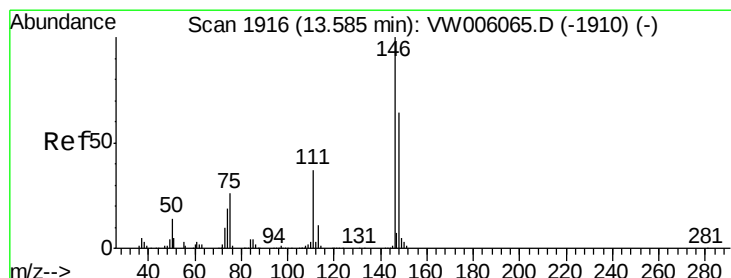
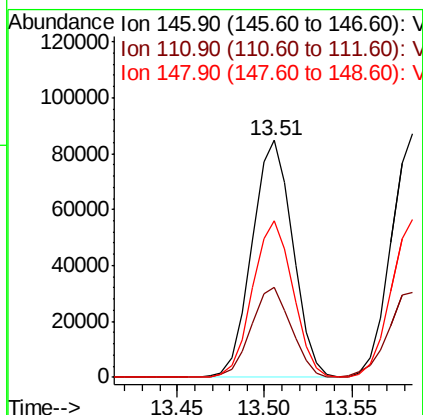
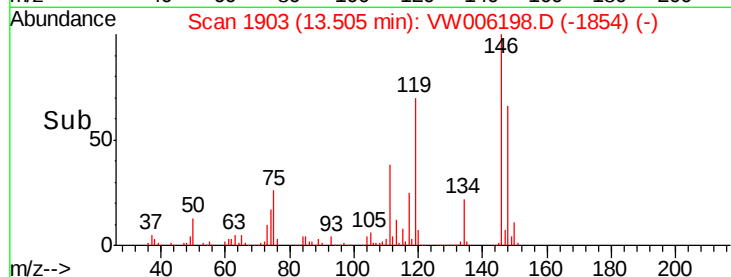
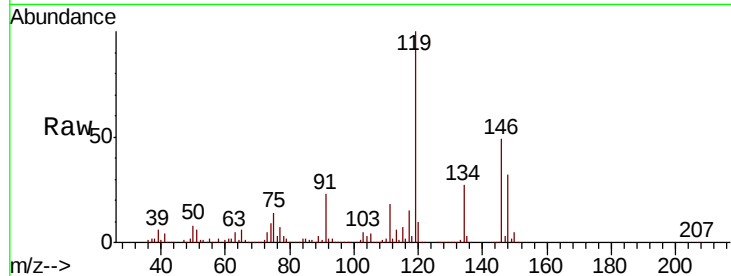




#87
 1,3-Dichlorobenzene
 Concen: 21.423 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

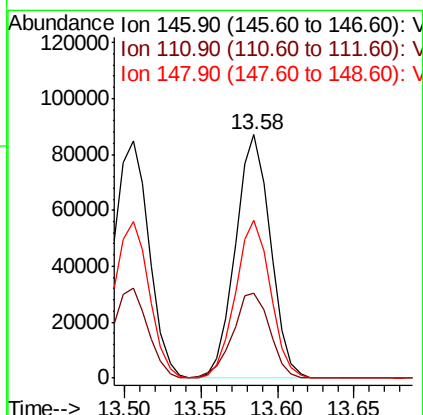
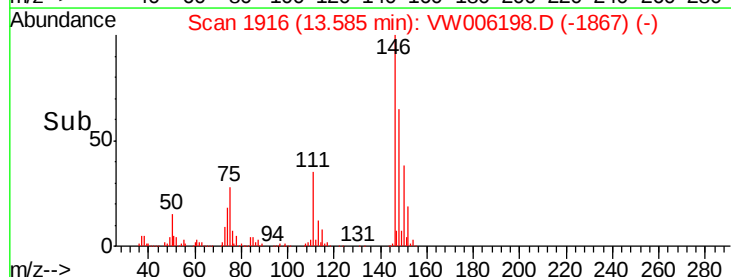
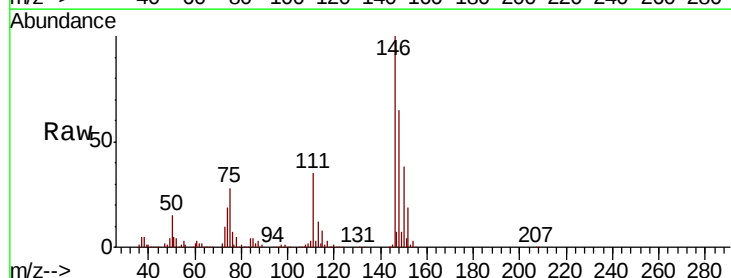
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

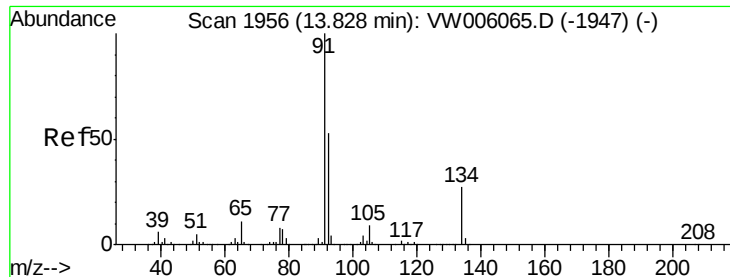
Tot Ion:146 Resp: 137482
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 65.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.619 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion:146 Resp: 138139
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 20.667 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

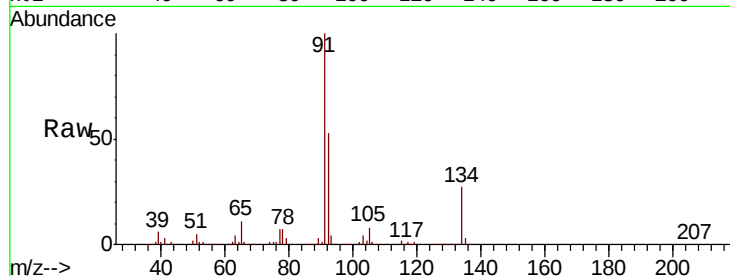
Tot Ion: 91 Resp: 239829

Ion Ratio Lower Upper

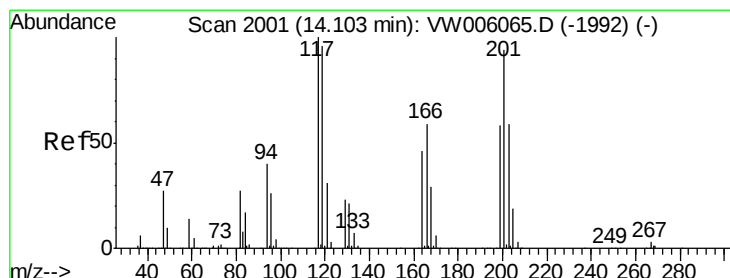
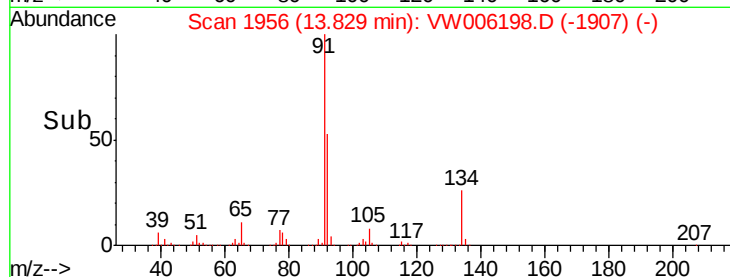
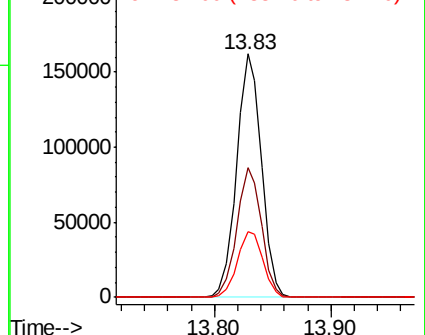
91 100

92 52.9 26.6 79.7

134 27.9 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.926 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006198.D

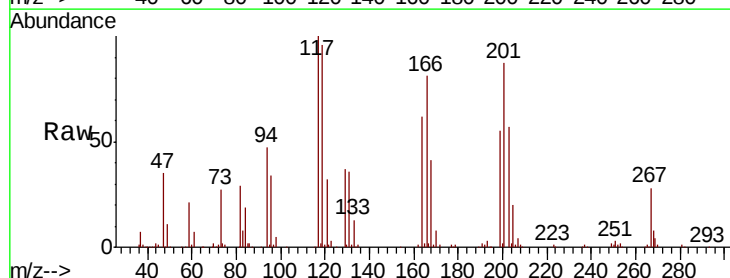
Acq: 19 Oct 2018 03:03

Tgt Ion: 117 Resp: 38527

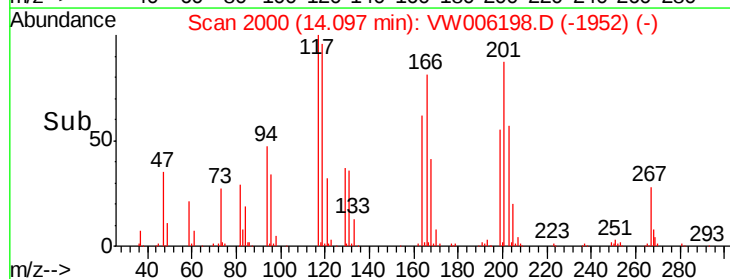
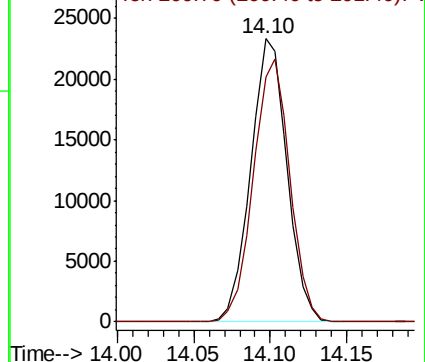
Ion Ratio Lower Upper

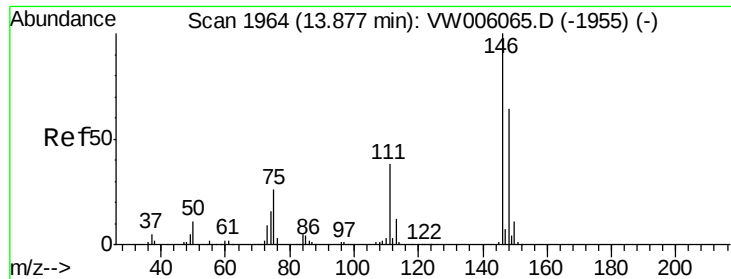
117 100

201 93.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.807 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

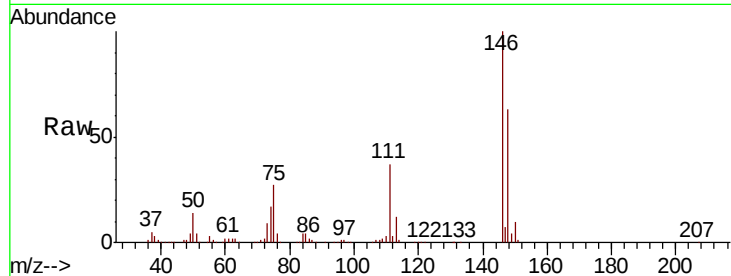
Tot Ion:146 Resp: 124834

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

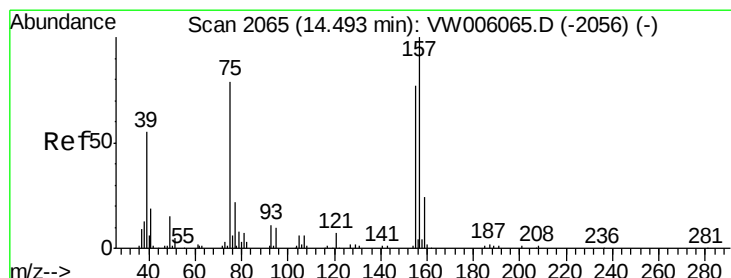
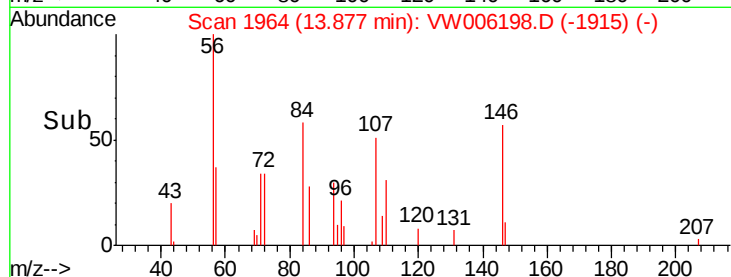
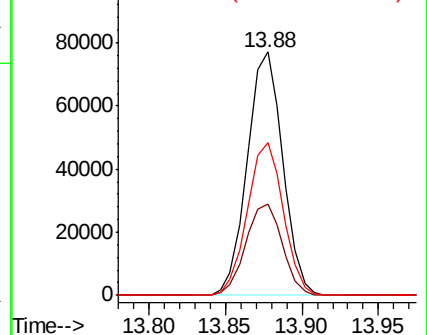
148 63.4 32.2 96.6



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: 18.597 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

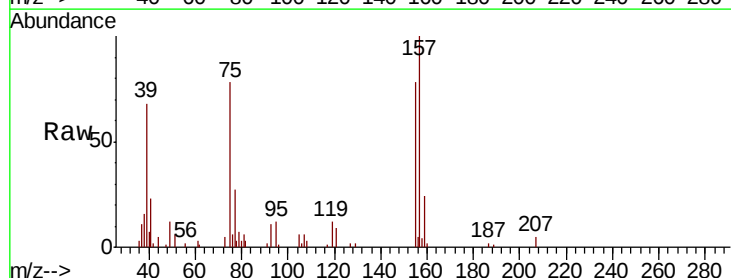
Tgt Ion: 75 Resp: 6667

Ion Ratio Lower Upper

75 100

155 98.1 46.5 139.5

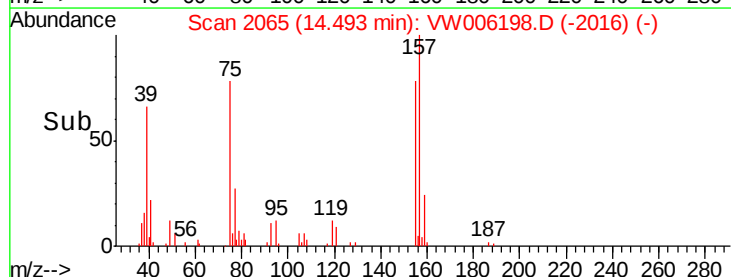
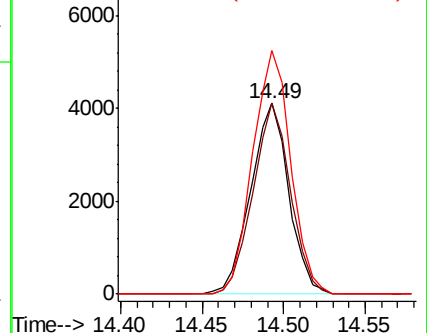
157 127.2 59.8 179.4

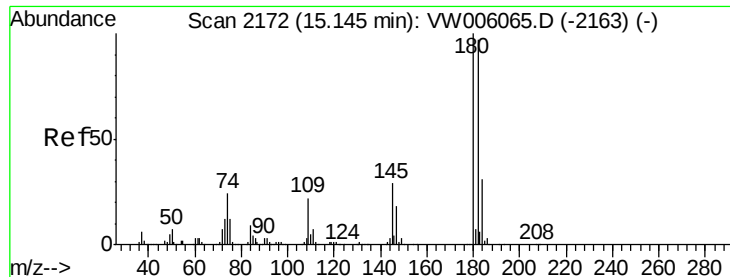


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

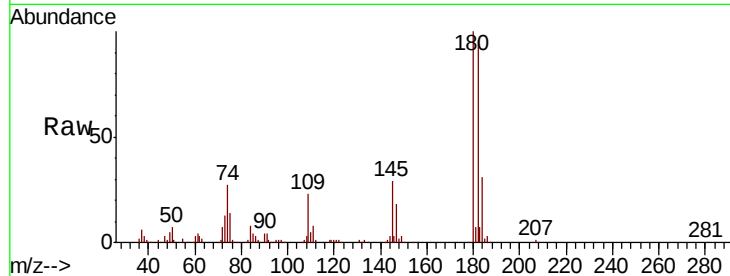




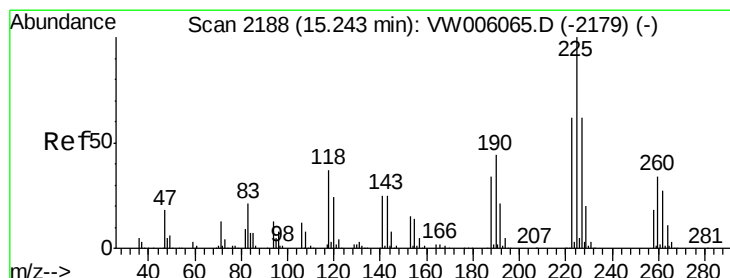
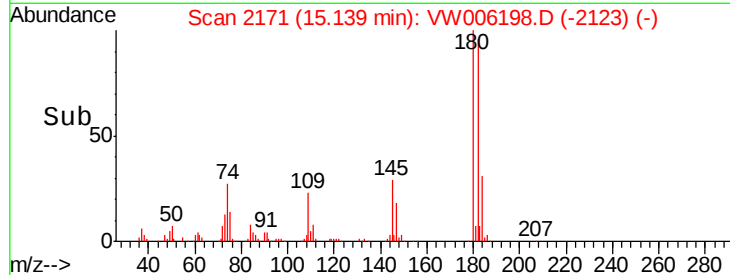
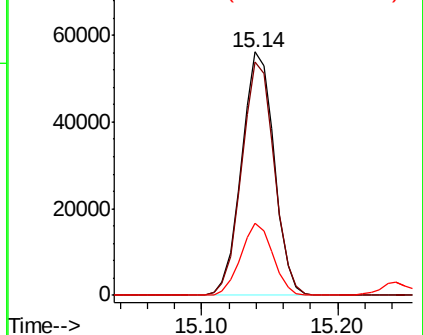
#93
 1,2,4-Trichlorobenzene
 Concen: 21.360 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS02

Tot Ion:180 Resp: 94082
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.6
 145 29.0 14.2 42.8

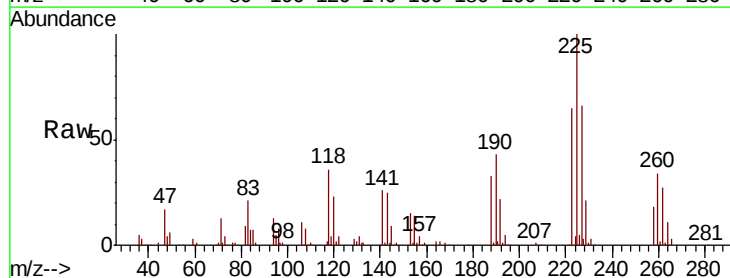


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

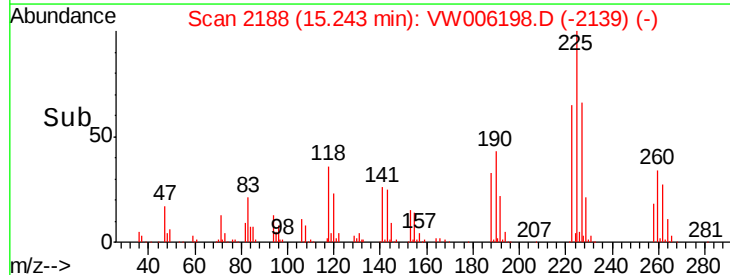
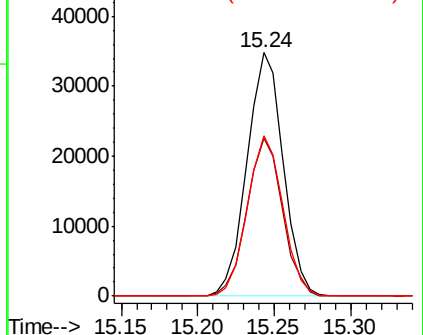


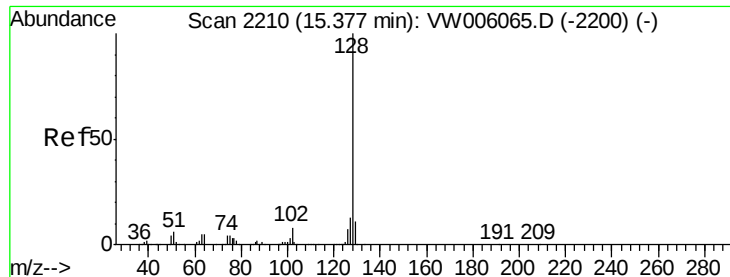
#94
 Hexachlorobutadiene
 Concen: 20.702 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006198.D
 Acq: 19 Oct 2018 03:03

Tgt Ion:225 Resp: 57281
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.1 93.5
 227 64.6 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.917 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS02

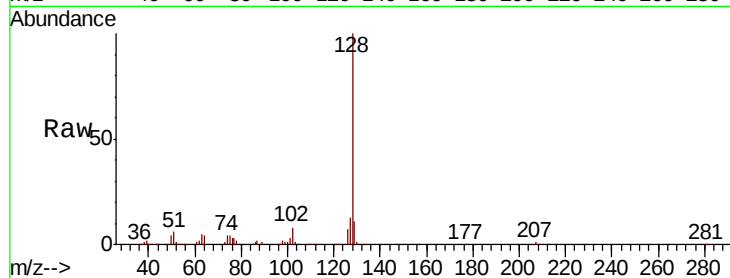
Tot Ion:128 Resp: 160589

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.9 8.7 13.1

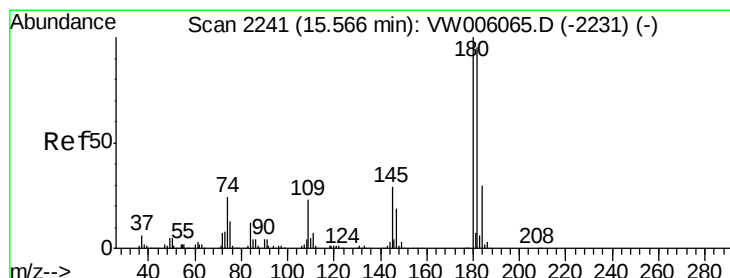
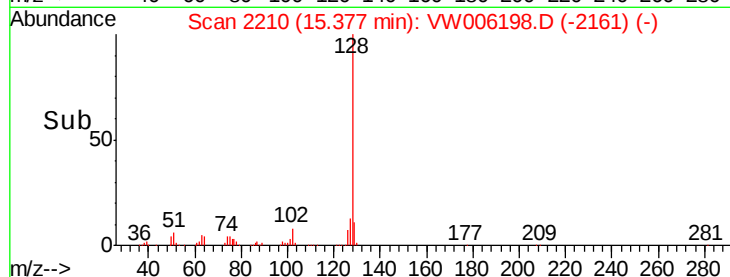
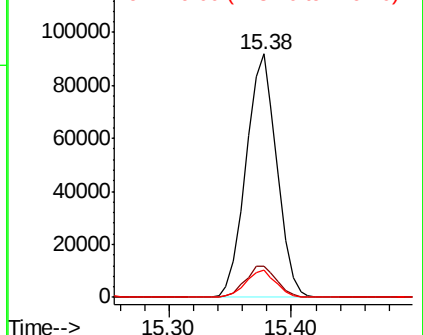


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.989 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006198.D

Acq: 19 Oct 2018 03:03

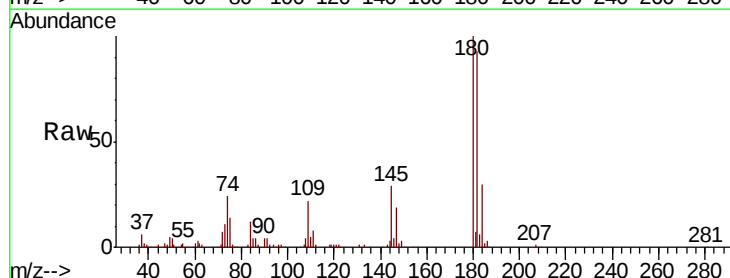
Tgt Ion:180 Resp: 83772

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.3

145 30.4 15.0 45.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

