

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006333.D
 Acq On : 24 Oct 2018 23:45
 Operator : SY/AP
 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Quant Time: Oct 25 06:08:45 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	230731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	337370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	95297	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.88	113	97969	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.33	98	365783	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.62	95	139255	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18287	16.016	ug/l	87
3) Chloromethane	2.21	50	28195	19.184	ug/l	97
4) Vinyl Chloride	2.37	62	41142	19.601	ug/l	98
5) Bromomethane	2.79	94	39402	20.639	ug/l	100
6) Chloroethane	2.93	64	33105	22.009	ug/l	95
7) Trichlorofluoromethane	3.26	101	38369	19.623	ug/l	100
8) Diethyl Ether	3.68	74	21308	20.505	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42955	20.963	ug/l	97
10) Methyl Iodide	4.26	142	71509	20.967	ug/l	99
11) Tert butyl alcohol	5.23	59	13143	102.161	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	40864	21.197	ug/l	88
13) Acrolein	3.90	56	11784	94.661	ug/l	96
14) Allyl chloride	4.67	41	55560	20.156	ug/l	99
15) Acrylonitrile	5.38	53	41967	112.595	ug/l	99
16) Acetone	4.14	43	39825	102.223	ug/l	100
17) Carbon Disulfide	4.38	76	103938	17.864	ug/l	99
18) Methyl Acetate	4.68	43	22436	23.307	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	64151	21.848	ug/l	100
20) Methylene Chloride	4.91	84	48022	22.842	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	46682	21.694	ug/l	98
22) Diisopropyl ether	6.31	45	120328	22.090	ug/l	97
23) Vinyl Acetate	6.26	43	337986	105.137	ug/l	98
24) 1,1-Dichloroethane	6.22	63	80192	22.815	ug/l	97
25) 2-Butanone	7.18	43	56253	108.856	ug/l	98
26) 2,2-Dichloropropane	7.17	77	47272	19.069	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54984	23.155	ug/l	97
28) Bromochloromethane	7.51	49	26306	19.386	ug/l	98
29) Tetrahydrofuran	7.54	42	34586	108.883	ug/l	97
30) Chloroform	7.68	83	87361	22.813	ug/l	98
31) Cyclohexane	7.95	56	69232	19.779	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	73639	21.317	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67281	21.636	ug/l	100
37) Ethyl Acetate	7.26	43	24270	21.007	ug/l	98
38) Carbon Tetrachloride	8.07	117	69107	20.273	ug/l	98

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 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WV1024SBS01

Quant Time: Oct 25 06:08:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84393	20.417	ug/l	97
40) Benzene	8.32	78	191012	22.393	ug/l	98
41) Methacrylonitrile	7.49	41	13634	19.576	ug/l	87
42) 1,2-Dichloroethane	8.40	62	56585	22.579	ug/l	99
43) Isopropyl Acetate	8.43	43	48853	20.681	ug/l	100
44) Trichloroethene	9.10	130	58835	22.482	ug/l	95
45) 1,2-Dichloropropane	9.37	63	44987	22.040	ug/l	96
46) Dibromomethane	9.46	93	25782	22.162	ug/l	99
47) Bromodichloromethane	9.65	83	59124	20.962	ug/l	100
48) Methyl methacrylate	9.44	41	23337	20.841	ug/l	95
49) 1,4-Dioxane	9.48	88	7587	423.631	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	127745	107.931	ug/l	99
52) Toluene	10.39	92	126944	22.198	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	56421	20.078	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	65686	20.367	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37165	22.829	ug/l	97
56) Ethyl methacrylate	10.65	69	42848	21.469	ug/l	99
57) 1,3-Dichloropropane	10.93	76	60715	22.529	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	83814	109.904	ug/l	99
59) 2-Hexanone	10.98	43	85801	101.554	ug/l	97
60) Dibromochloromethane	11.13	129	41904	20.665	ug/l	99
61) 1,2-Dibromoethane	11.24	107	35884	22.060	ug/l	100
64) Tetrachloroethene	10.87	164	54214	22.679	ug/l	96
65) Chlorobenzene	11.66	112	148414	22.514	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	50155	21.409	ug/l	99
67) Ethyl Benzene	11.73	91	251477	22.013	ug/l	99
68) m/p-Xylenes	11.84	106	198440	43.947	ug/l	100
69) o-Xylene	12.17	106	94652	21.995	ug/l	99
70) Styrene	12.18	104	154538	22.084	ug/l	99
71) Bromoform	12.35	173	25428	19.460	ug/l #	100
73) Isopropylbenzene	12.47	105	263842	21.835	ug/l	100
74) N-amyl acetate	12.28	43	47617	20.289	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	42561	23.158	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	52190	39.949	ug/l #	100
77) Bromobenzene	12.75	156	66377	22.427	ug/l	99
78) n-propylbenzene	12.81	91	309844	22.040	ug/l	100
79) 2-Chlorotoluene	12.90	91	174865	22.138	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	222590	21.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9852	18.027	ug/l	92
82) 4-Chlorotoluene	12.99	91	185189	22.382	ug/l	100
83) tert-Butylbenzene	13.21	119	200589	22.009	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	228545	22.172	ug/l	100
85) sec-Butylbenzene	13.39	105	282414	21.934	ug/l	100
86) p-Isopropyltoluene	13.51	119	253401	21.758	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	134034	22.755	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	133096	22.695	ug/l	99
89) n-Butylbenzene	13.83	91	232779	21.856	ug/l	99
90) Hexachloroethane	14.10	117	39050	19.796	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	118837	22.618	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6634	20.161	ug/l	98

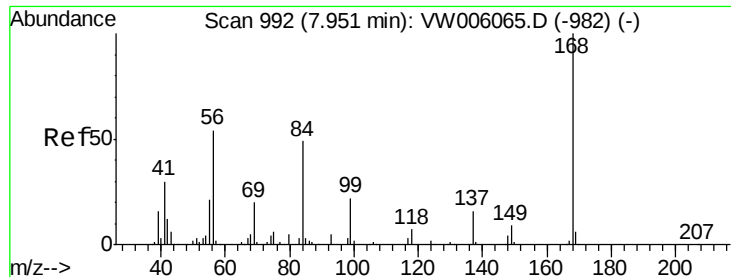
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
Data File : VW006333.D
Acq On : 24 Oct 2018 23:45
Operator : SY/AP
Sample : VW1024SBS01
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Instrument :
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ClientSampleId :
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Quant Time: Oct 25 06:08:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	99687	24.659	ug/l	99
94) Hexachlorobutadiene	15.24	225	55847	21.991	ug/l	98
95) Naphthalene	15.38	128	147009	21.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	79947	22.864	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: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

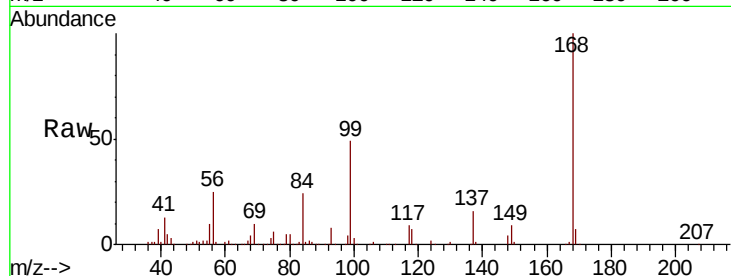
VW1024SBS01

Tot Ion:168 Resp: 230731

Ion Ratio Lower Upper

168 100

99 48.8 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

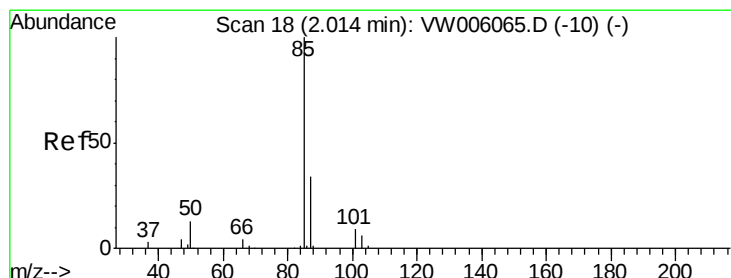
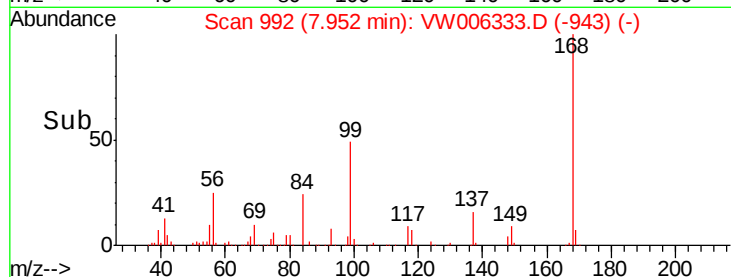
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.016 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006333.D

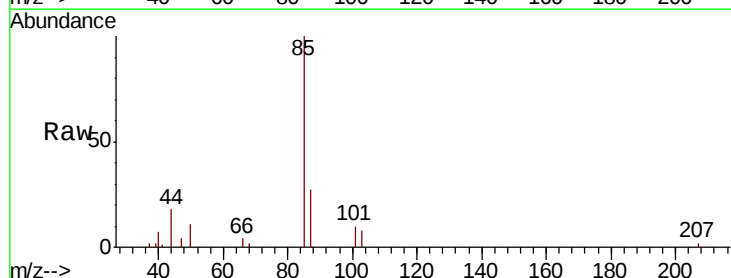
Acq: 24 Oct 2018 23:45

Tgt Ion: 85 Resp: 18287

Ion Ratio Lower Upper

85 100

87 26.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

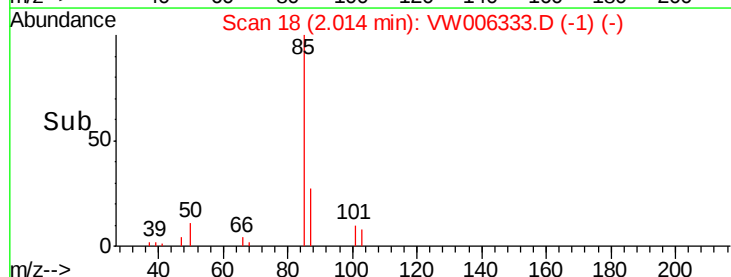
2000

1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 19.184 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

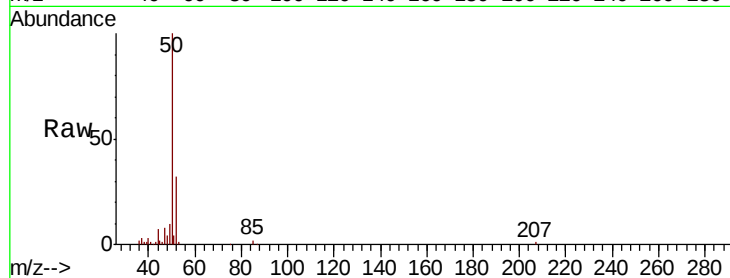
VW1024SBS01

Tot Ion: 50 Resp: 28195

Ion Ratio Lower Upper

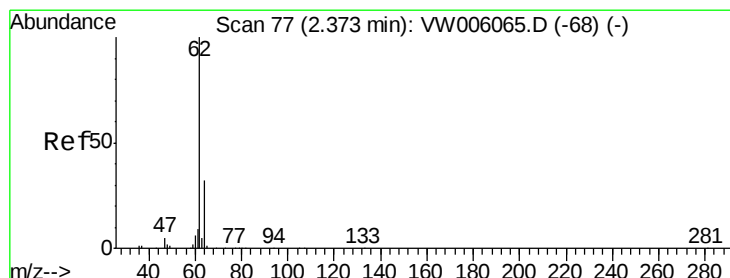
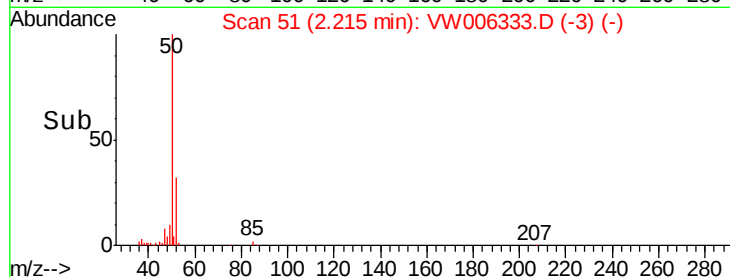
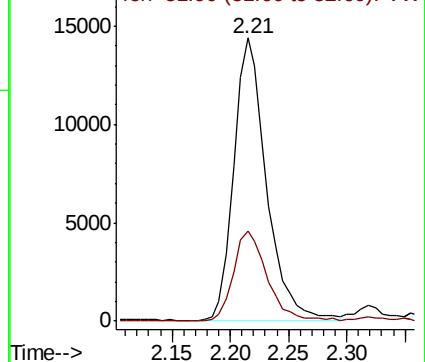
50 100

52 31.8 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 19.601 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006333.D

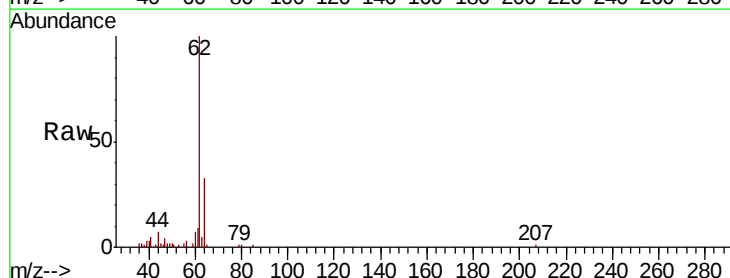
Acq: 24 Oct 2018 23:45

Tgt Ion: 62 Resp: 41142

Ion Ratio Lower Upper

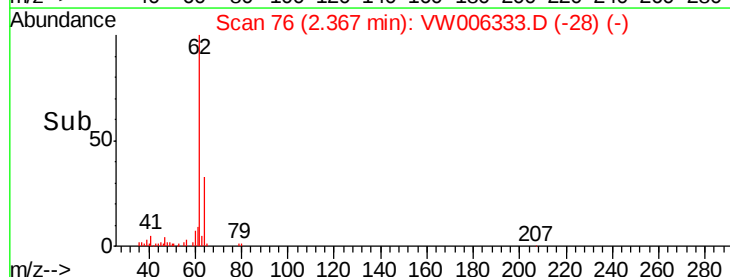
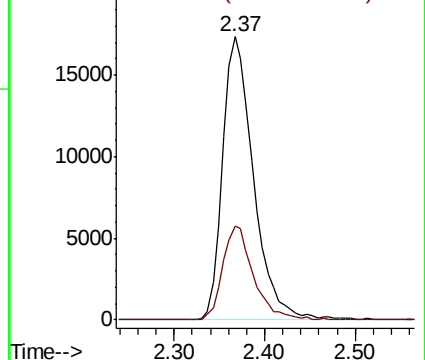
62 100

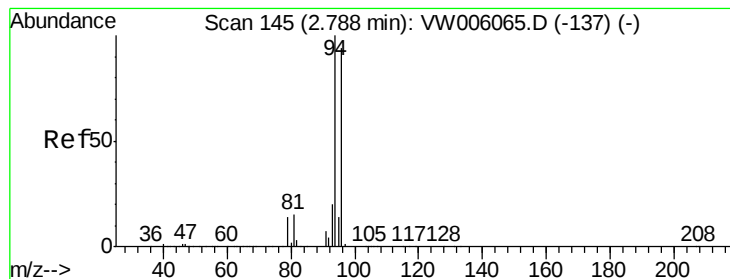
64 33.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.639 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

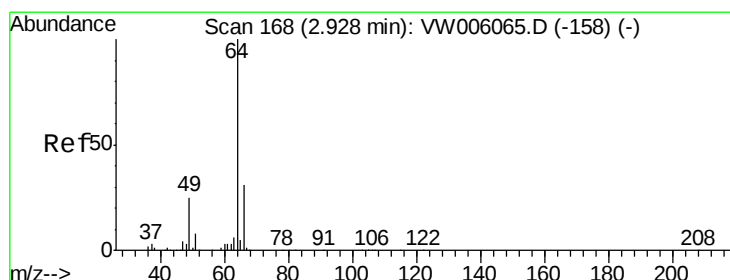
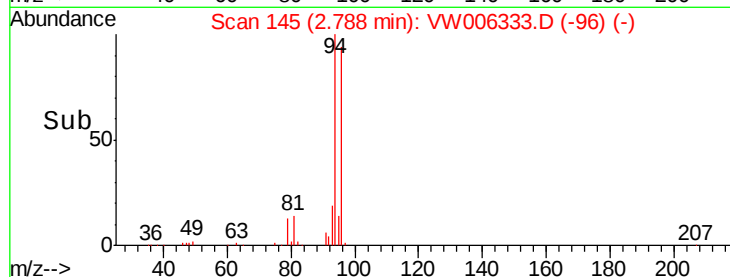
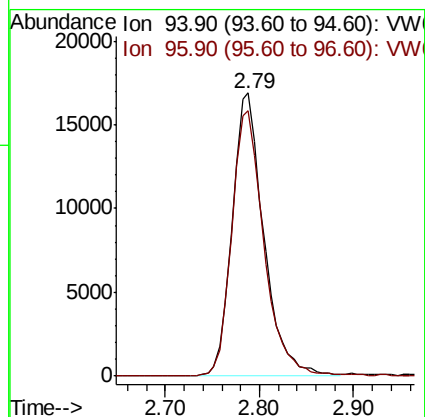
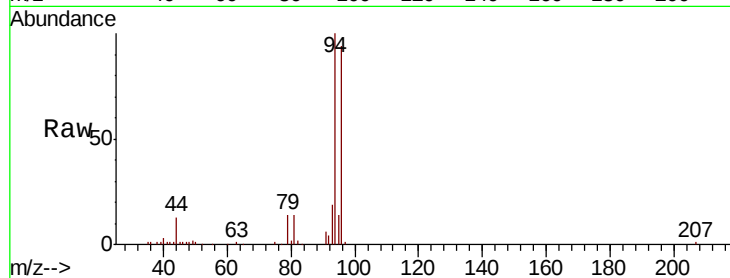
VW1024SBS01

Tot Ion: 94 Resp: 39402

Ion Ratio Lower Upper

94 100

96 93.7 74.9 112.3



#6

Chloroethane

Concen: 22.009 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006333.D

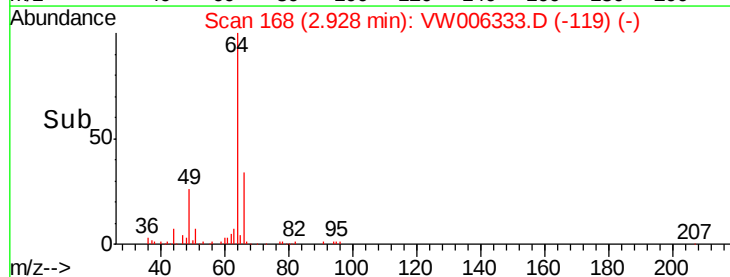
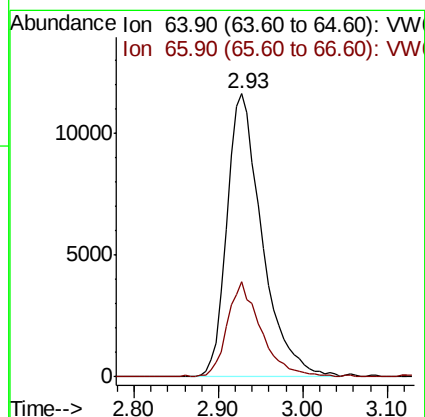
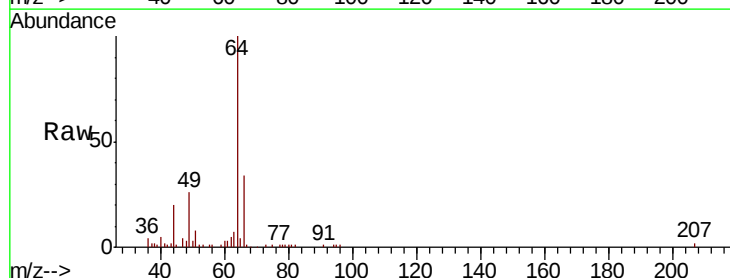
Acq: 24 Oct 2018 23:45

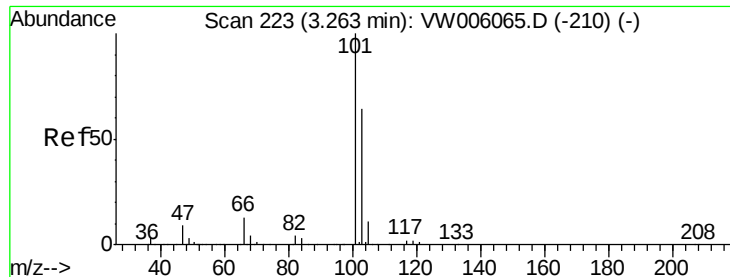
Tgt Ion: 64 Resp: 33105

Ion Ratio Lower Upper

64 100

66 33.8 24.9 37.3



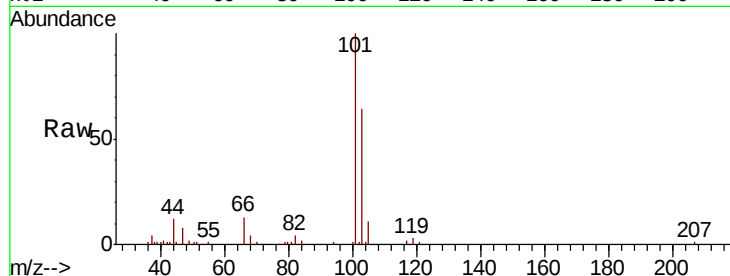


#7

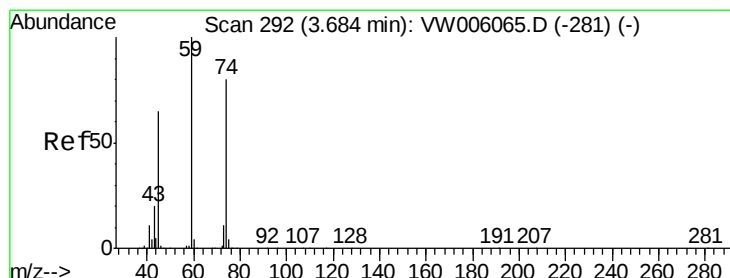
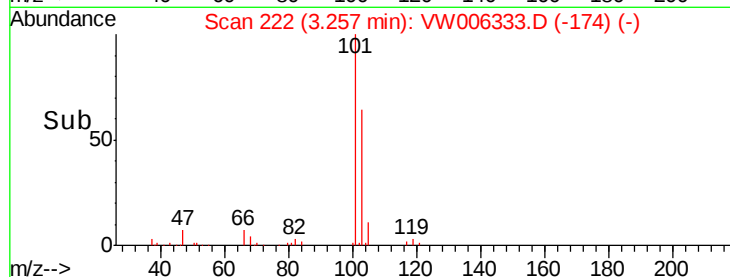
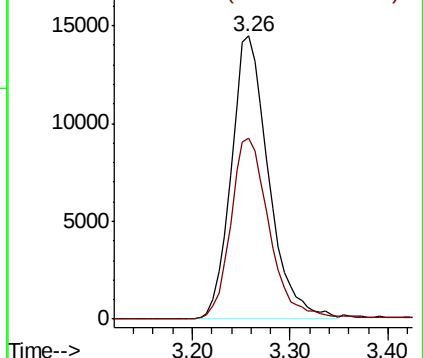
Trichlorofluoromethane
Concen: 19.623 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion:101 Resp: 38369
Ion Ratio Lower Upper
101 100
103 64.1 51.2 76.8



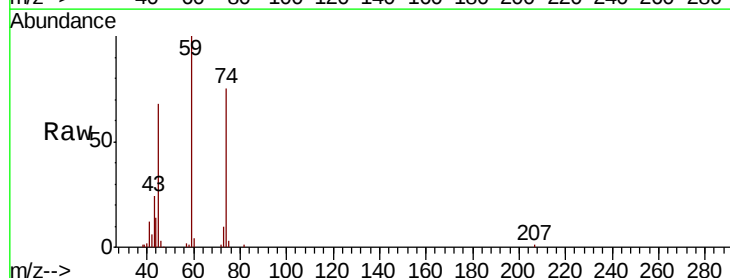
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



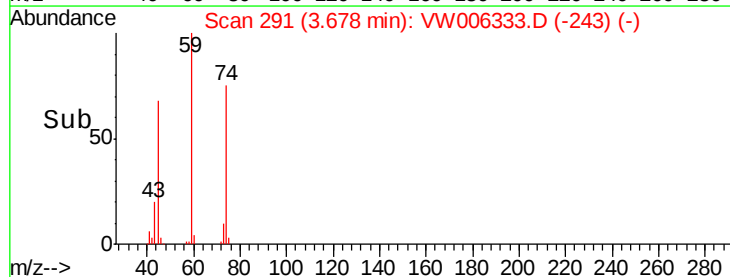
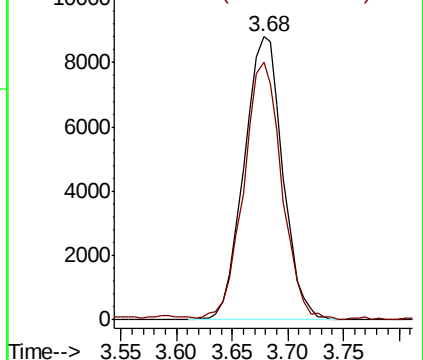
#8

Diethyl Ether
Concen: 20.505 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 74 Resp: 21308
Ion Ratio Lower Upper
74 100
45 89.8 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: 20.963 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

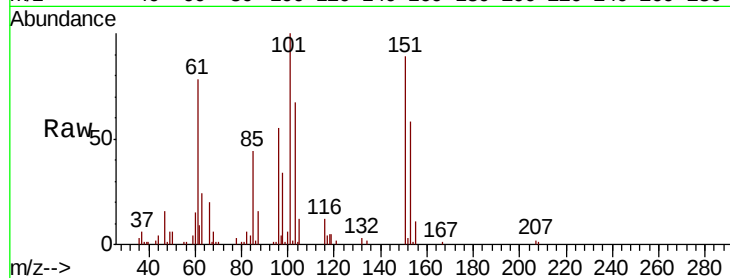
Tot Ion:101 Resp: 42955

Ion Ratio Lower Upper

101 100

85 41.7 34.9 52.3

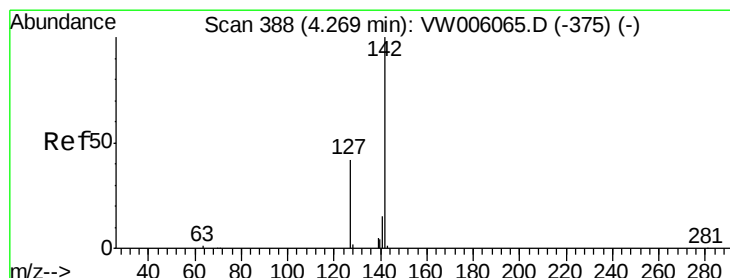
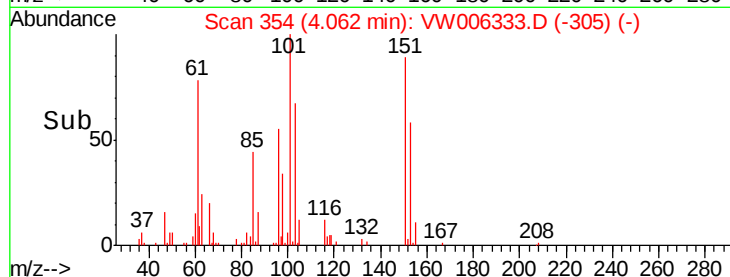
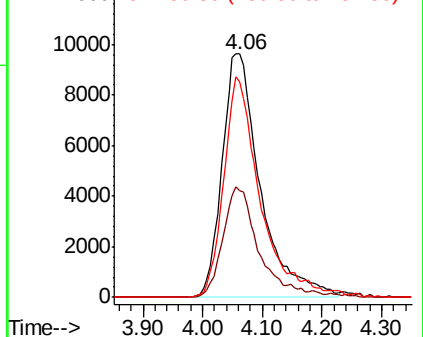
151 85.6 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.967 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

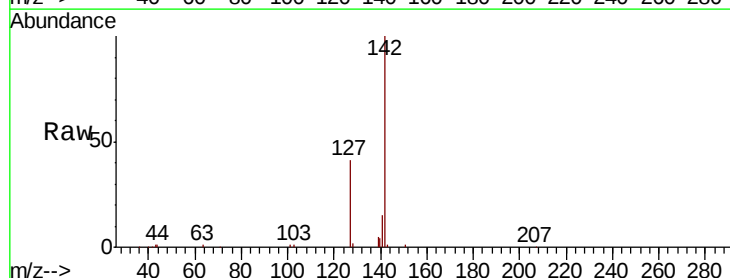
Tgt Ion:142 Resp: 71509

Ion Ratio Lower Upper

142 100

127 41.6 33.6 50.4

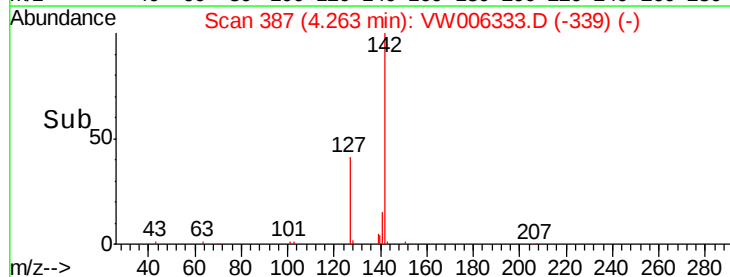
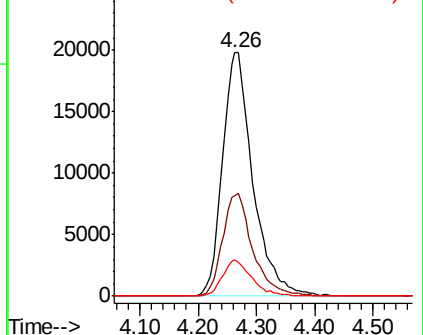
141 14.4 11.6 17.4

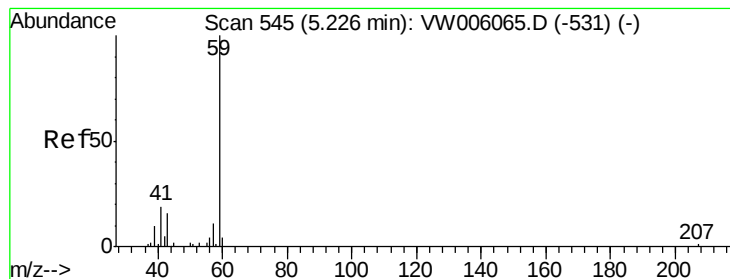


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



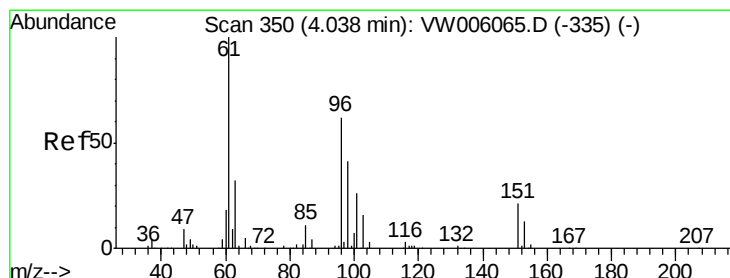
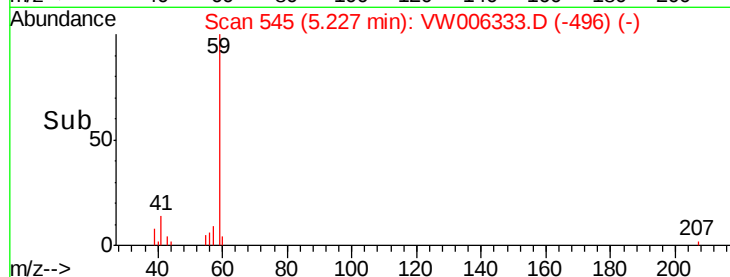
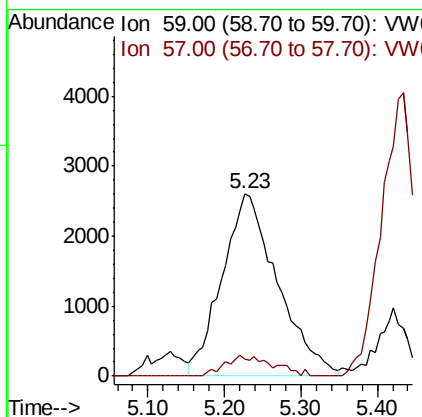
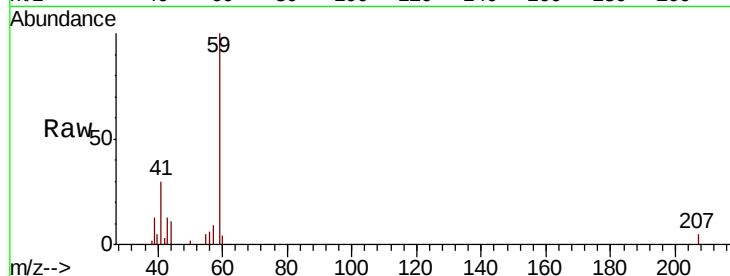


#11

Tert butyl alcohol
 Concen: 102.161 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

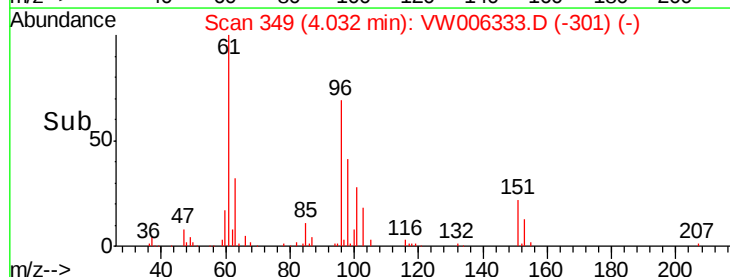
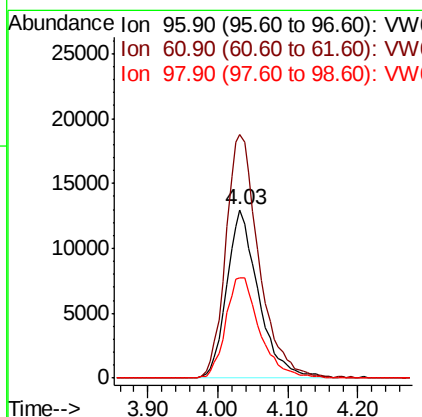
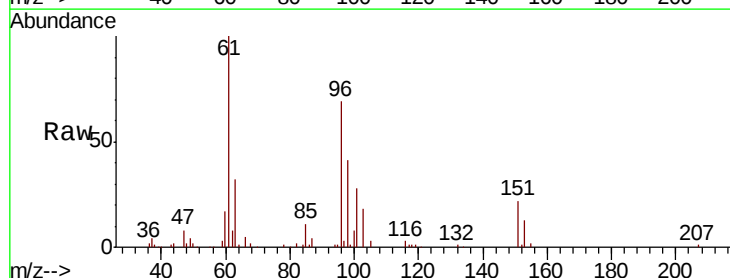
Tot Ion: 59 Resp: 13143
 Ion Ratio Lower Upper
 59 100
 57 7.7 8.7 13.1#

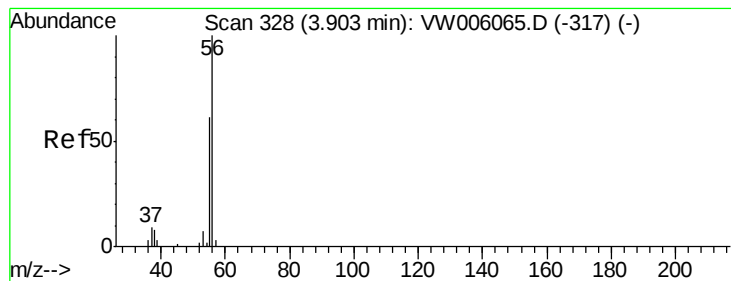


#12

1,1-Dichloroethene
 Concen: 21.197 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion: 96 Resp: 40864
 Ion Ratio Lower Upper
 96 100
 61 144.5 129.3 193.9
 98 59.2 53.1 79.7





#13

Acrolein

Concen: 94.661 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

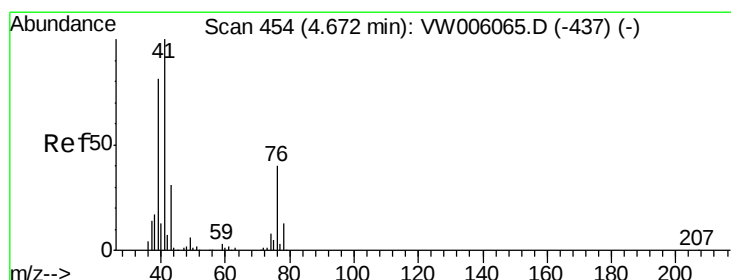
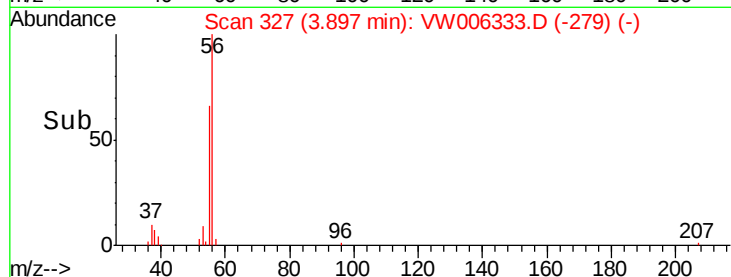
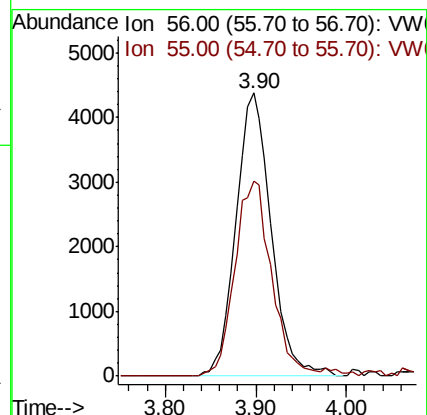
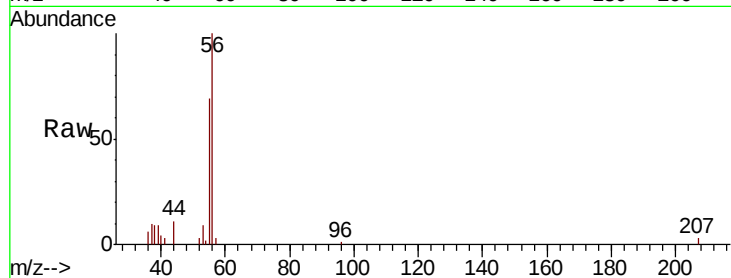
VW1024SBS01

Tot Ion: 56 Resp: 11784

Ion Ratio Lower Upper

56 100

55 71.7 54.5 81.7



#14

Allyl chloride

Concen: 20.156 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

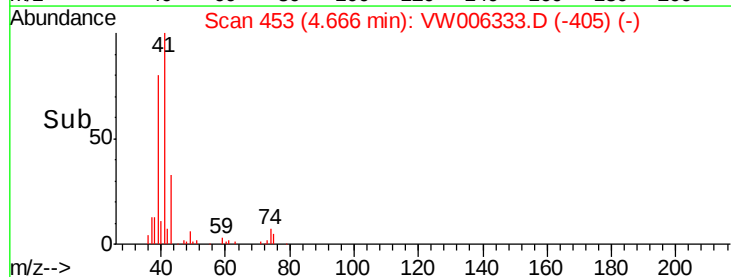
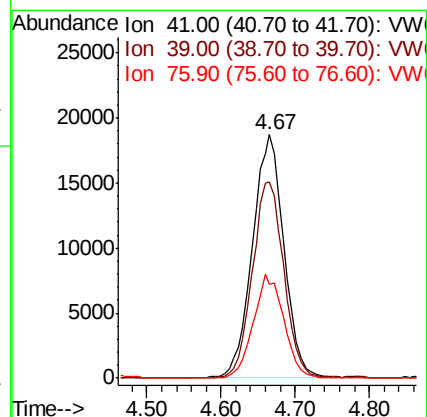
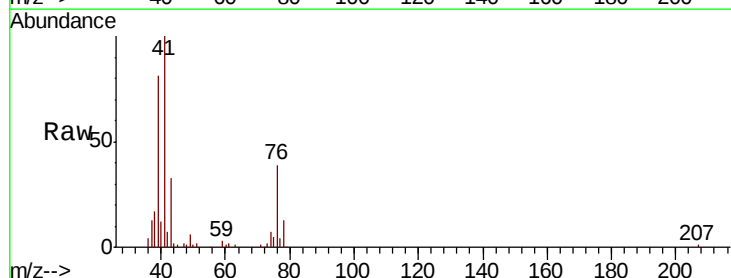
Tgt Ion: 41 Resp: 55560

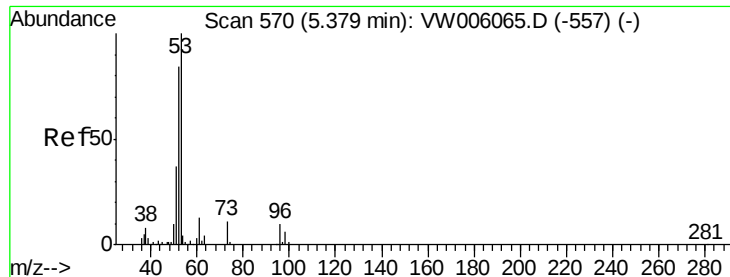
Ion Ratio Lower Upper

41 100

39 80.6 64.1 96.1

76 40.9 32.2 48.4





#15

Acrylonitrile

Concen: 112.595 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

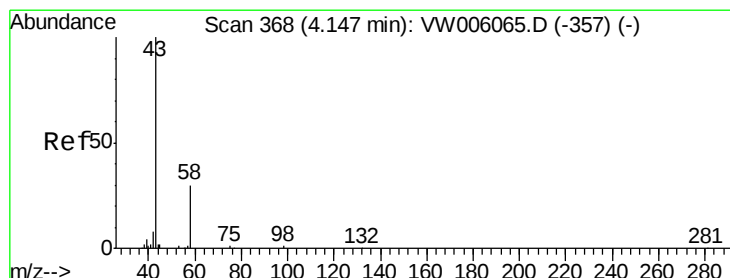
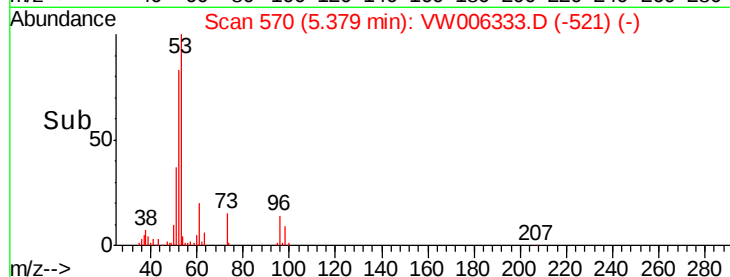
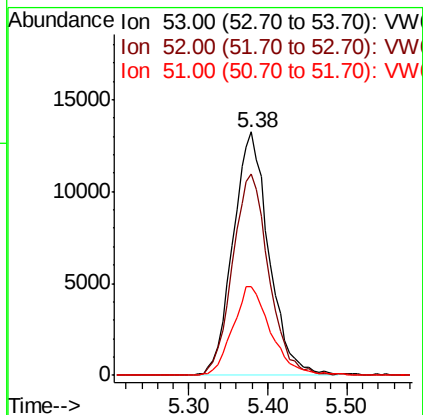
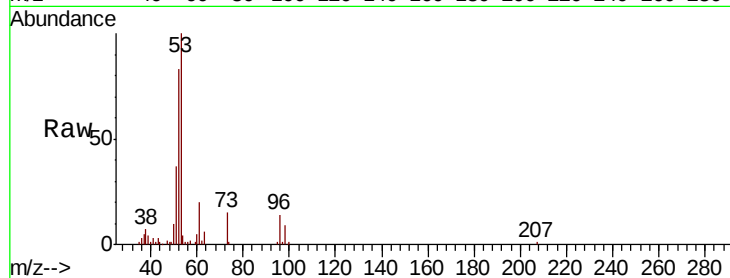
Tot Ion: 53 Resp: 41967

Ion Ratio Lower Upper

53 100

52 83.0 66.9 100.3

51 38.6 30.1 45.1



#16

Acetone

Concen: 102.223 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006333.D

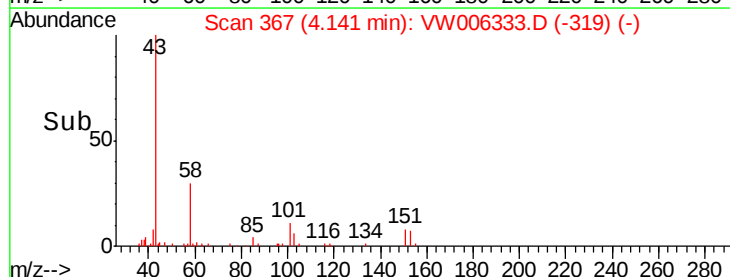
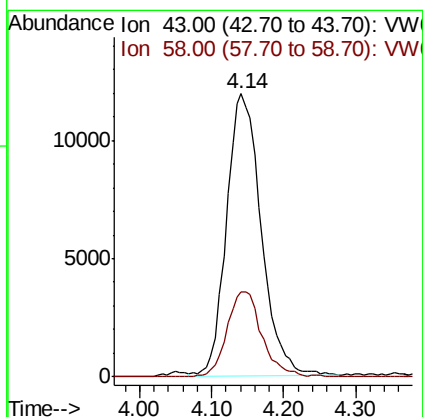
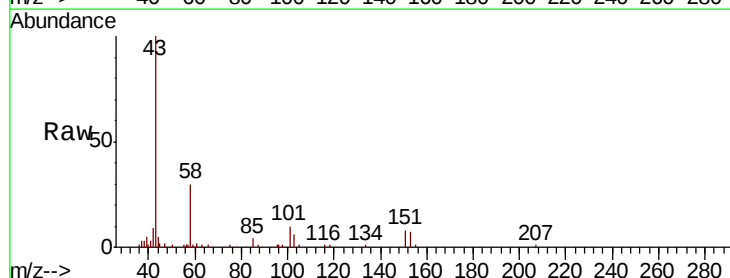
Acq: 24 Oct 2018 23:45

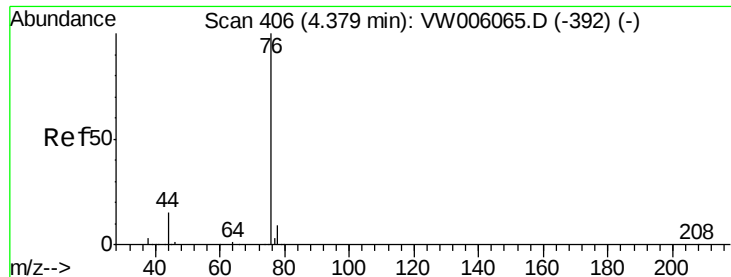
Tgt Ion: 43 Resp: 39825

Ion Ratio Lower Upper

43 100

58 30.2 24.0 36.0





#17

Carbon Disulfide

Concen: 17.864 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

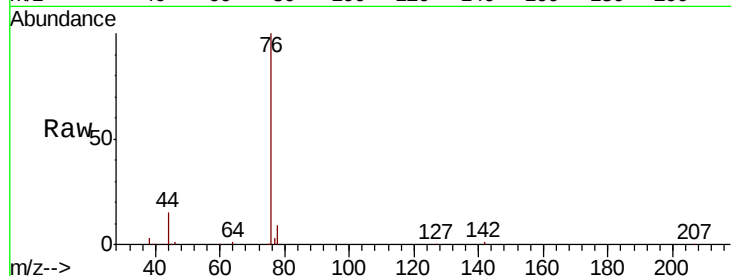
VW1024SBS01

Tot Ion: 76 Resp: 103938

Ion Ratio Lower Upper

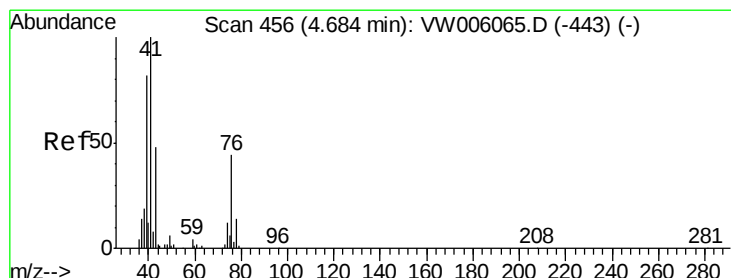
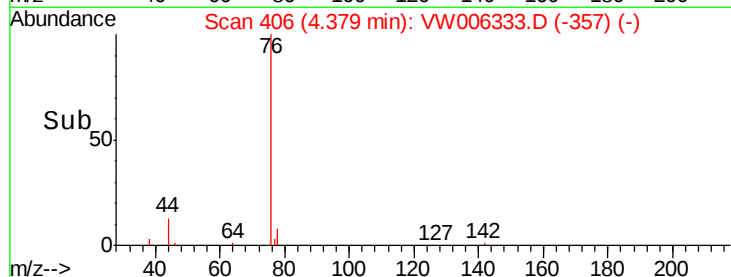
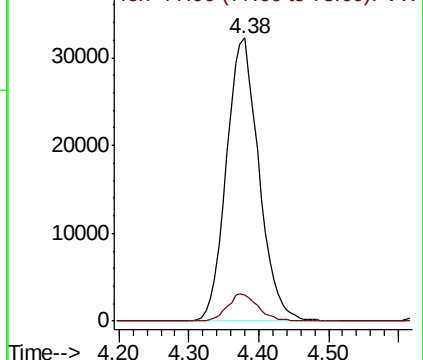
76 100

78 9.0 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: 23.307 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006333.D

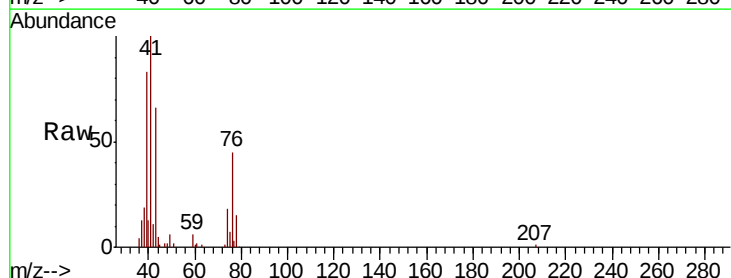
Acq: 24 Oct 2018 23:45

Tgt Ion: 43 Resp: 22436

Ion Ratio Lower Upper

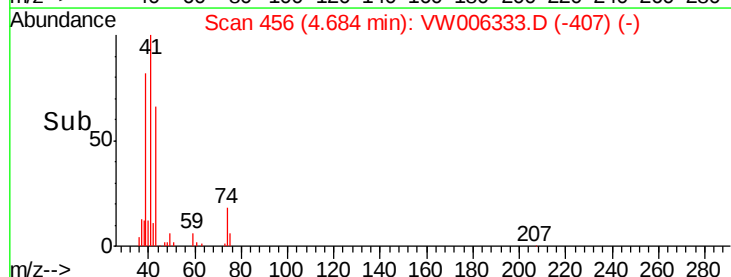
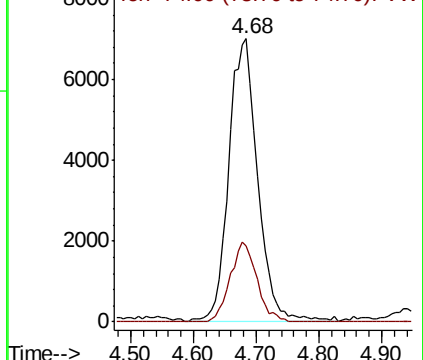
43 100

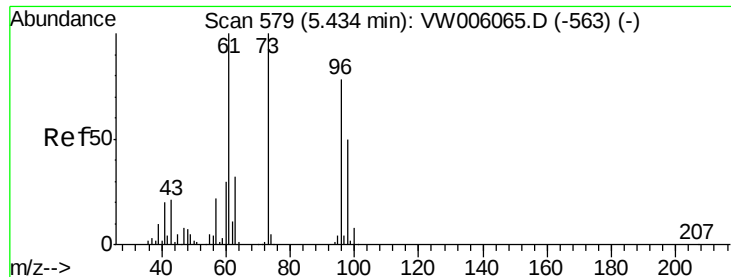
74 25.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

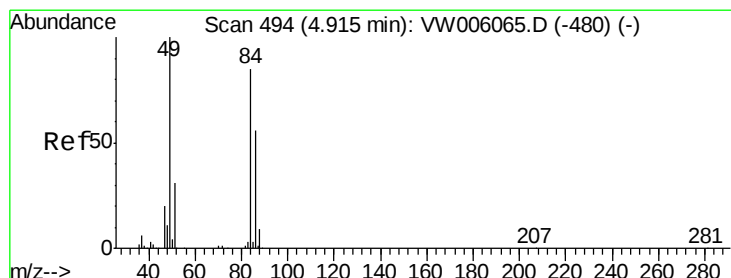
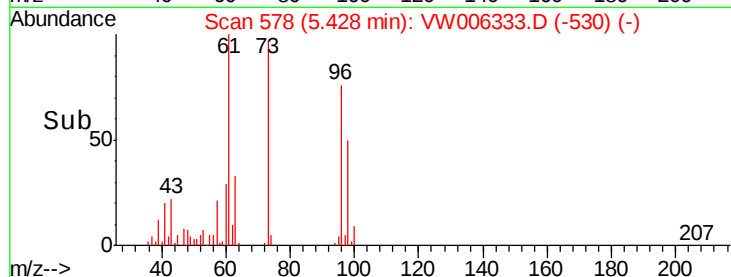
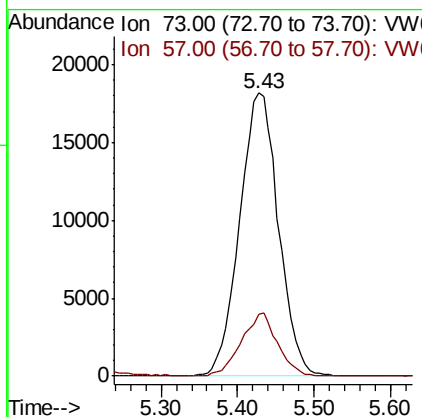
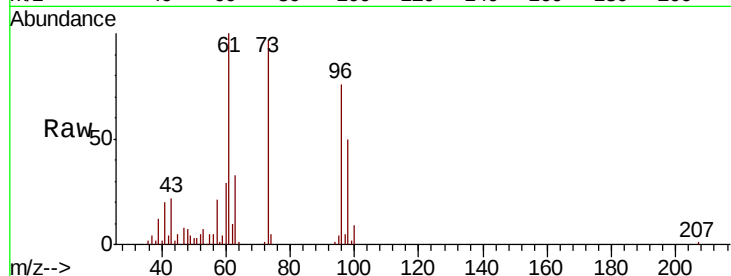




#19
Methyl tert-butyl Ether
Concen: 21.848 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

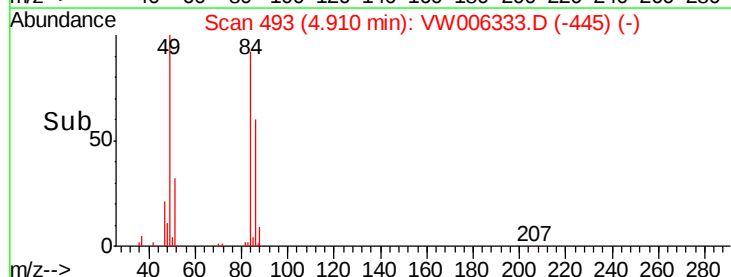
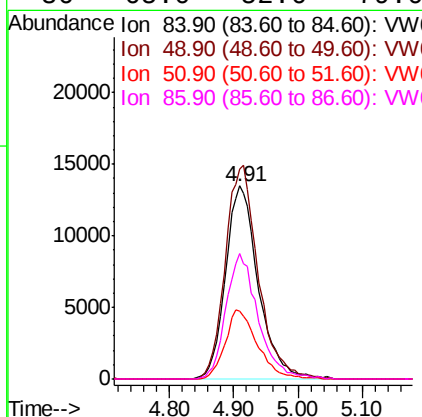
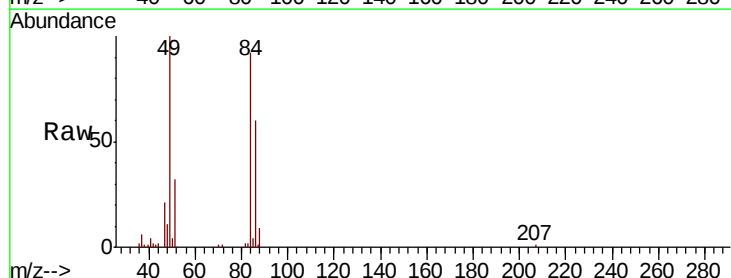
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

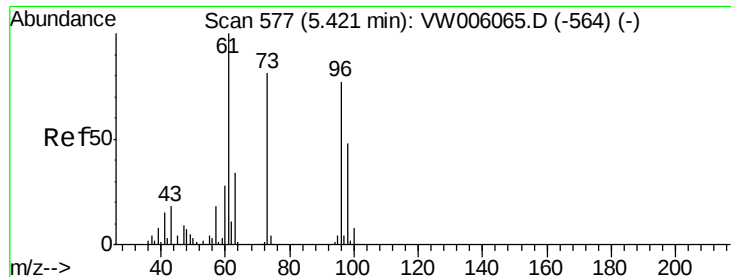
Tot Ion: 73 Resp: 64151
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2



#20
Methylene Chloride
Concen: 22.842 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 84 Resp: 48022
Ion Ratio Lower Upper
84 100
49 108.8 93.6 140.4
51 35.3 29.0 43.4
86 65.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.694 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

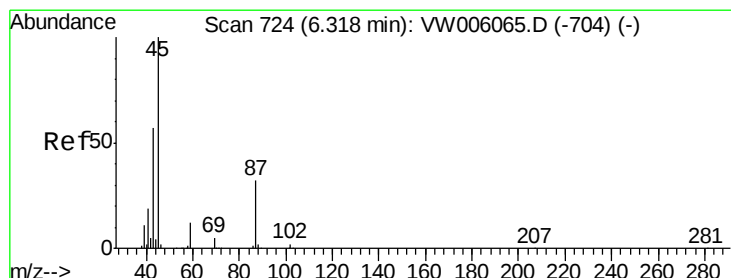
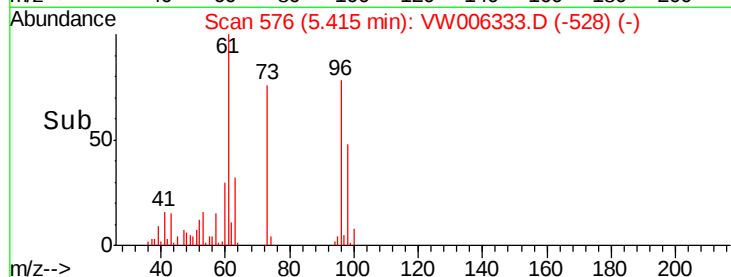
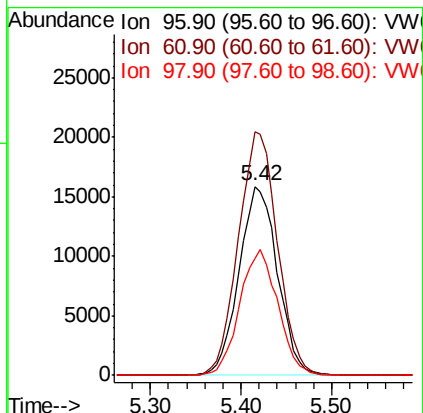
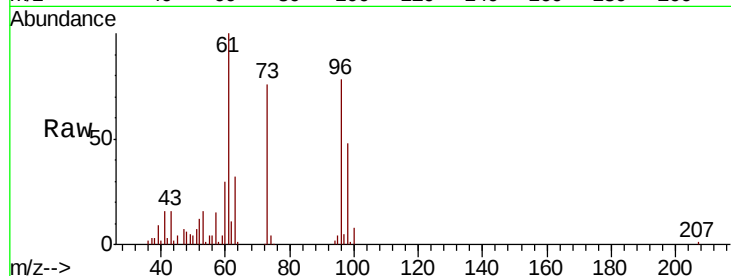
Tot Ion: 96 Resp: 46682

Ion Ratio Lower Upper

96 100

61 128.8 104.5 156.7

98 61.8 50.6 75.8



#22

Diisopropyl ether

Concen: 22.090 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Tgt Ion: 45 Resp: 120328

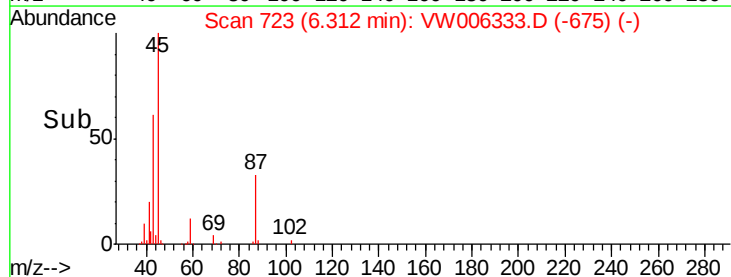
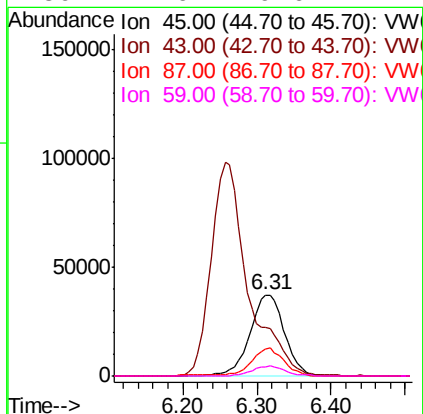
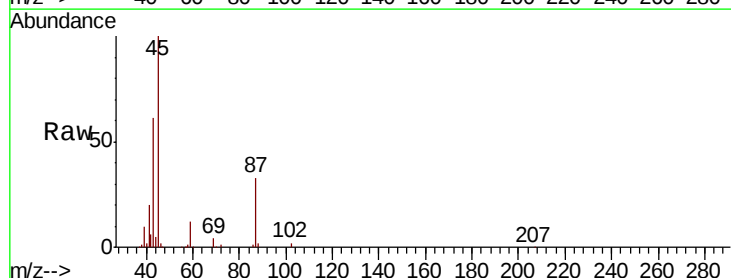
Ion Ratio Lower Upper

45 100

43 60.0 45.7 68.5

87 33.3 25.9 38.9

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 105.137 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampled :

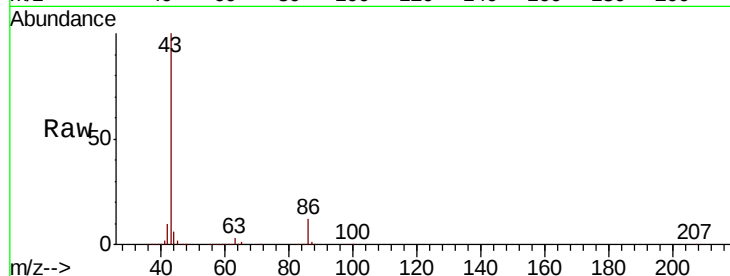
VW1024SBS01

Tot Ion: 43 Resp: 337986

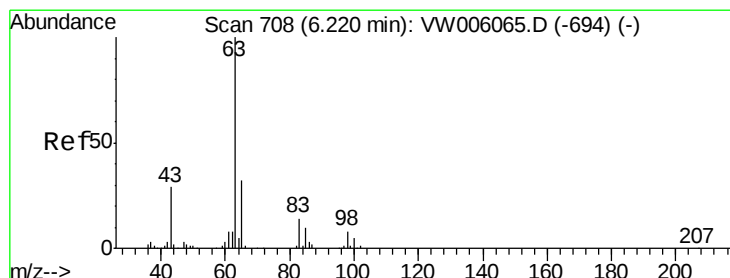
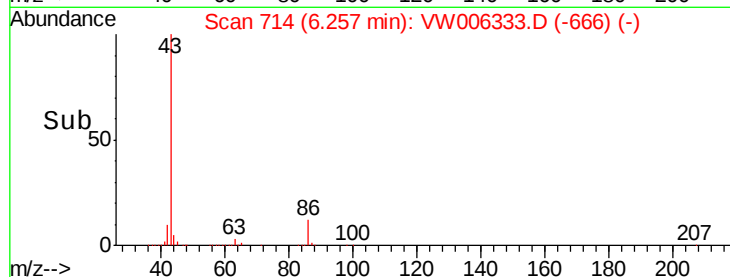
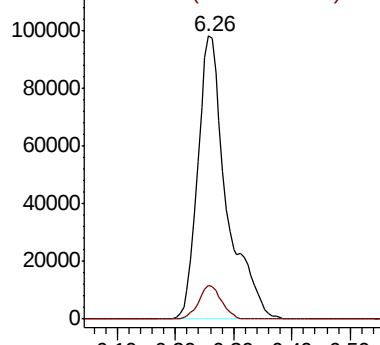
Ion Ratio Lower Upper

43 100

86 11.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.815 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

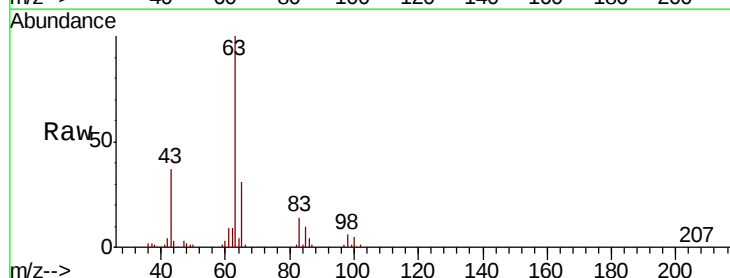
Tgt Ion: 63 Resp: 80192

Ion Ratio Lower Upper

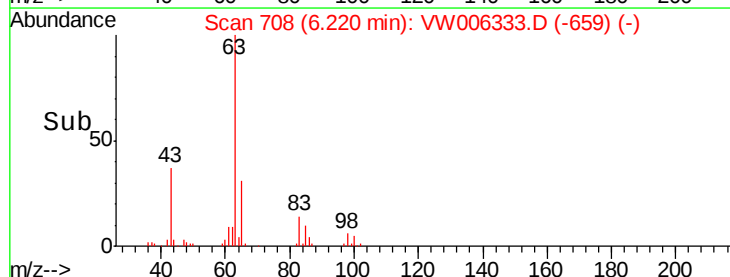
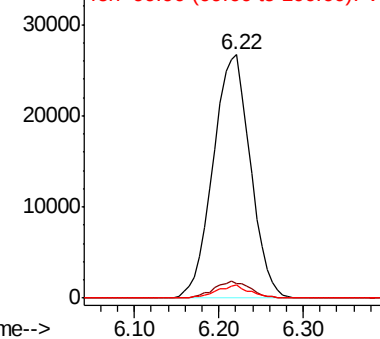
63 100

98 6.1 3.8 11.2

100 5.2 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.856 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

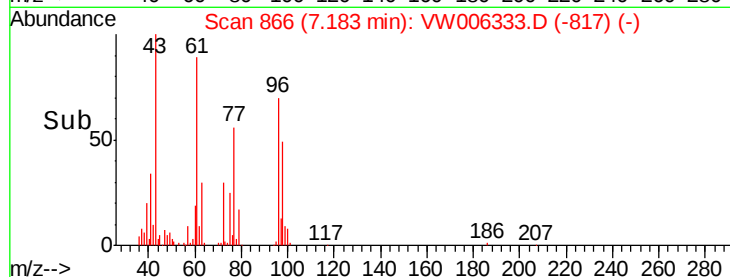
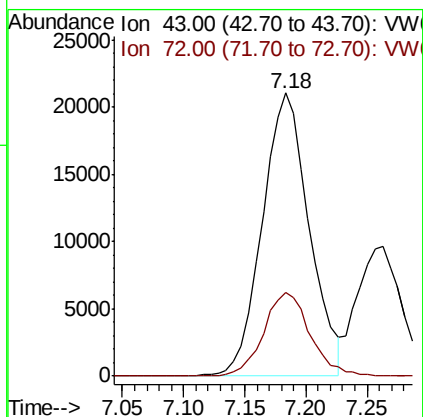
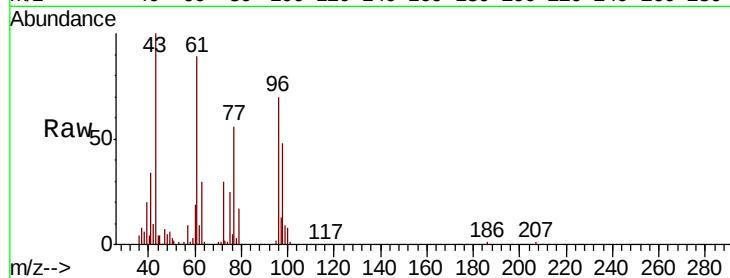
VW1024SBS01

Tot Ion: 43 Resp: 56253

Ion Ratio Lower Upper

43 100

72 29.5 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.069 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006333.D

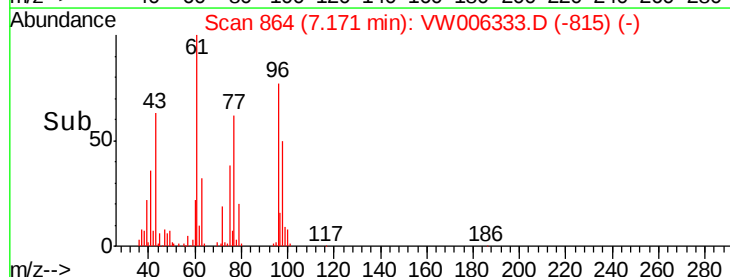
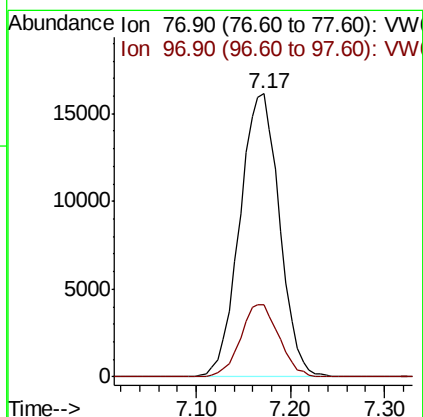
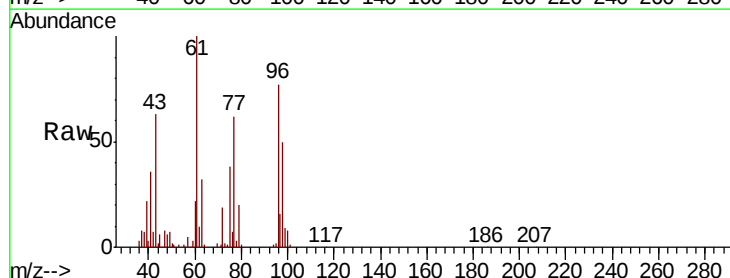
Acq: 24 Oct 2018 23:45

Tgt Ion: 77 Resp: 47272

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.4



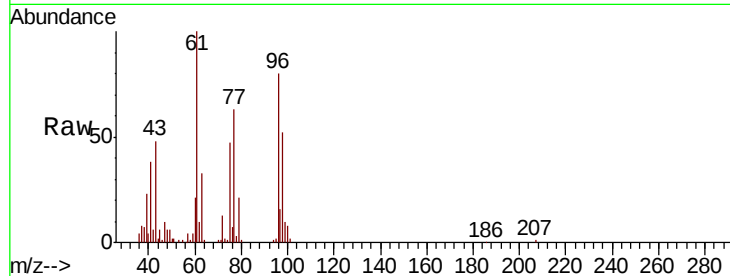


#27

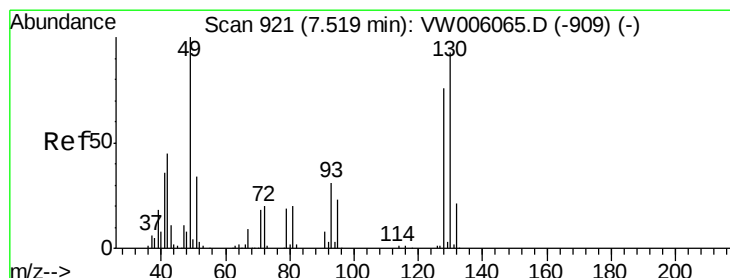
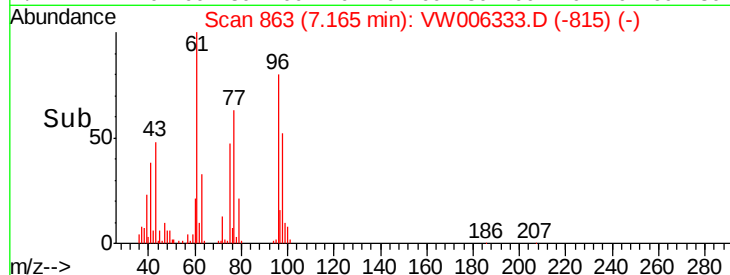
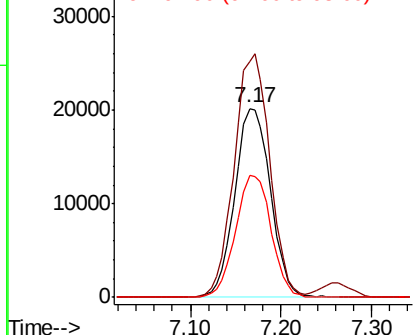
cis-1,2-Dichloroethene
Concen: 23.155 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion: 96 Resp: 54984
Ion Ratio Lower Upper
96 100
61 128.4 0.0 267.2
98 64.5 0.0 128.6



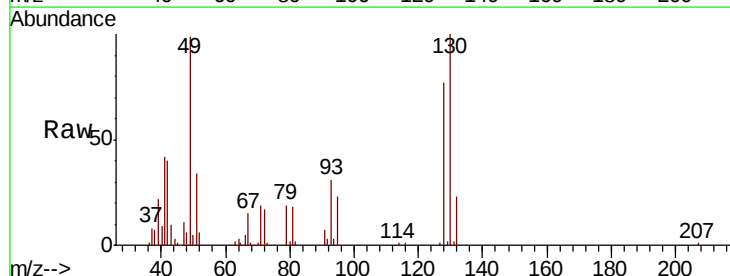
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



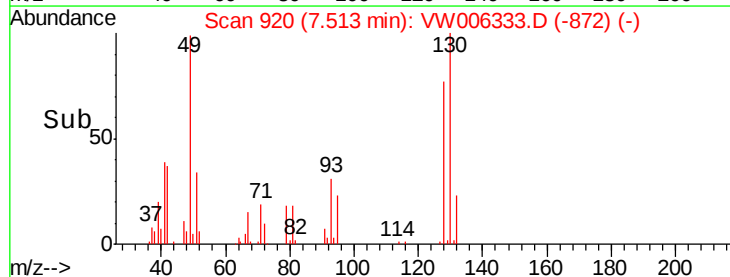
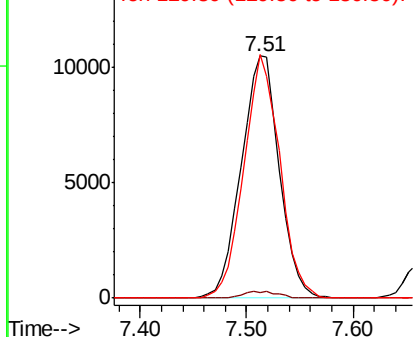
#28

Bromochloromethane
Concen: 19.386 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 49 Resp: 26306
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.0
130 94.5 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: 108.883 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

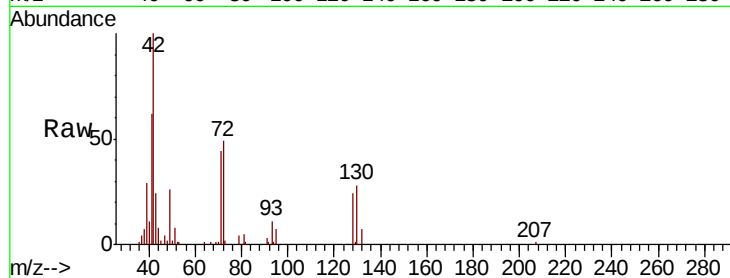
Tot Ion: 42 Resp: 34586

Ion Ratio Lower Upper

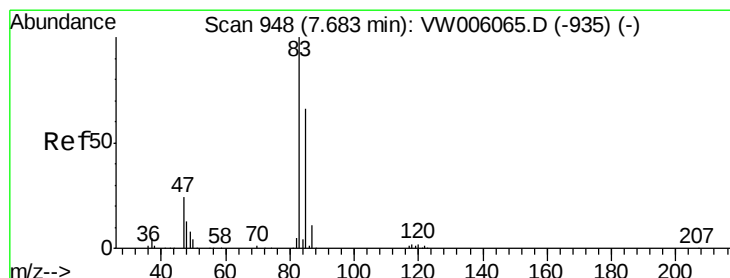
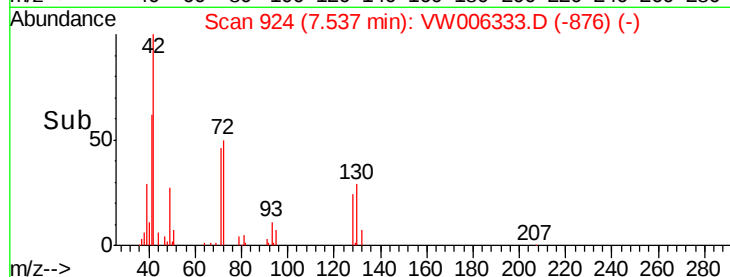
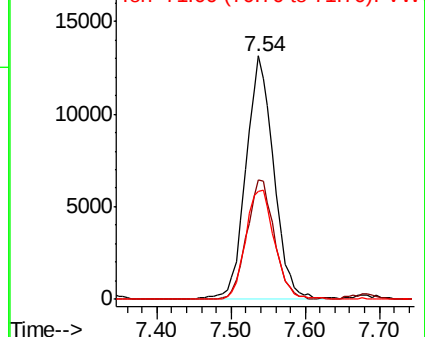
42 100

72 48.4 38.0 57.0

71 46.6 35.3 52.9



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



#30

Chloroform

Concen: 22.813 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006333.D

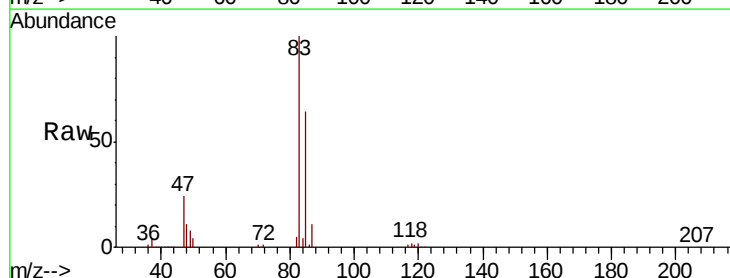
Acq: 24 Oct 2018 23:45

Tgt Ion: 83 Resp: 87361

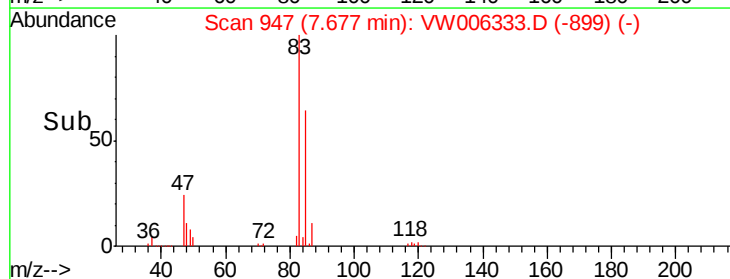
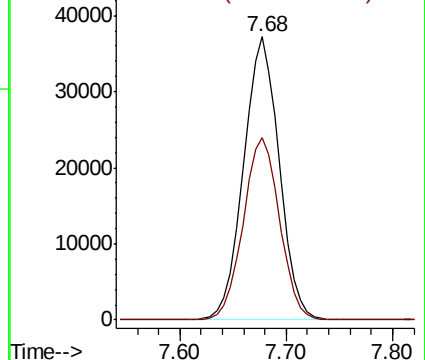
Ion Ratio Lower Upper

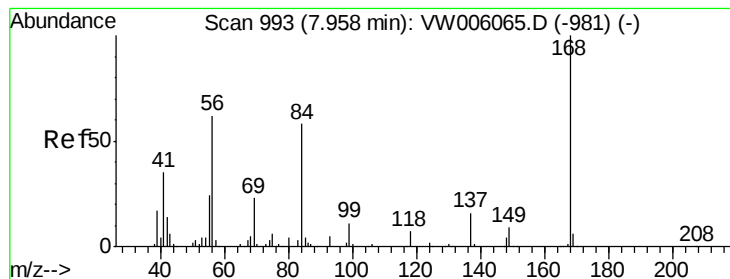
83 100

85 64.3 52.6 79.0



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





#31

Cvclohexane

Concen: 19.779 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

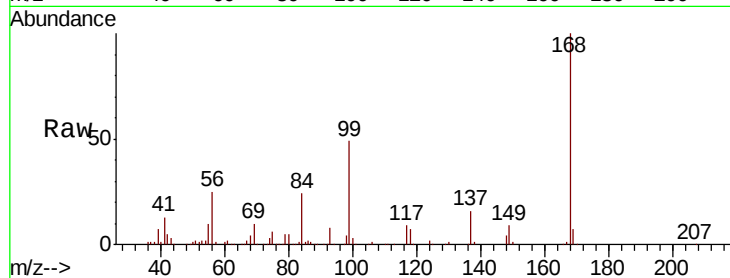
Tot Ion: 56 Resp: 69232

Ion Ratio Lower Upper

56 100

69 41.0 29.4 44.0

84 95.7 74.0 111.0

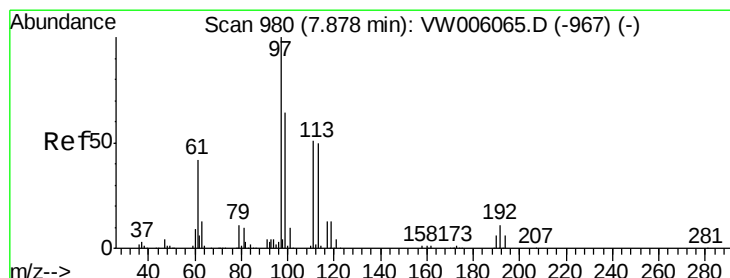
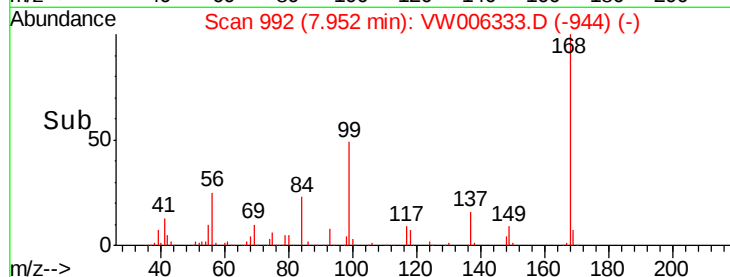
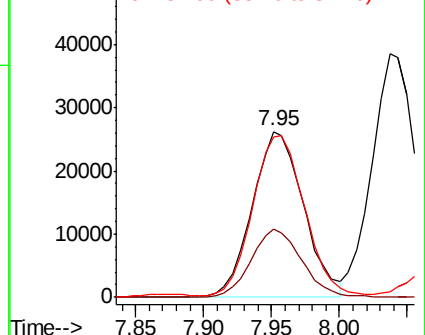


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.317 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

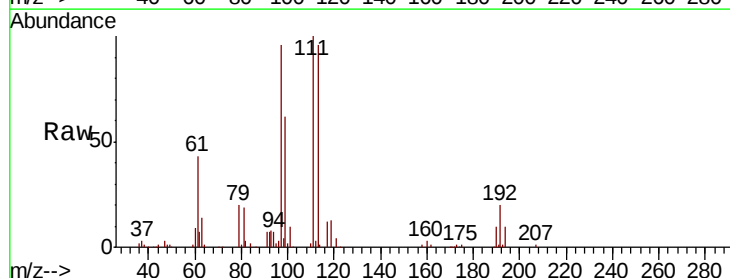
Tgt Ion: 97 Resp: 73639

Ion Ratio Lower Upper

97 100

99 63.2 50.9 76.3

61 42.6 33.7 50.5

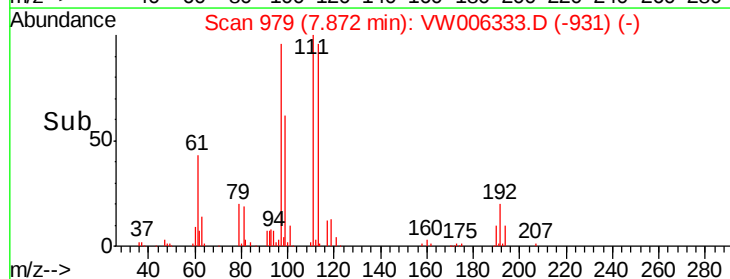
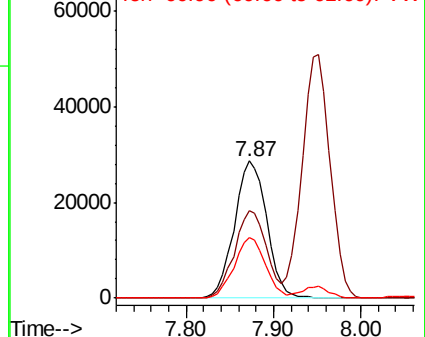


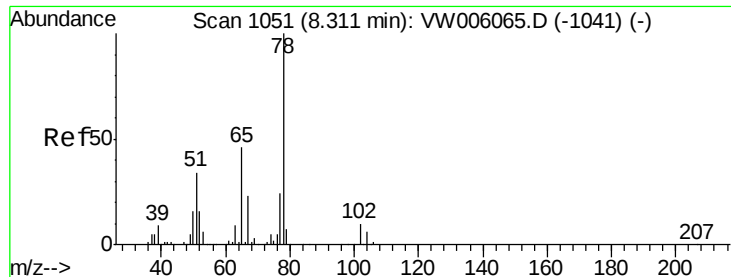
Abundance

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

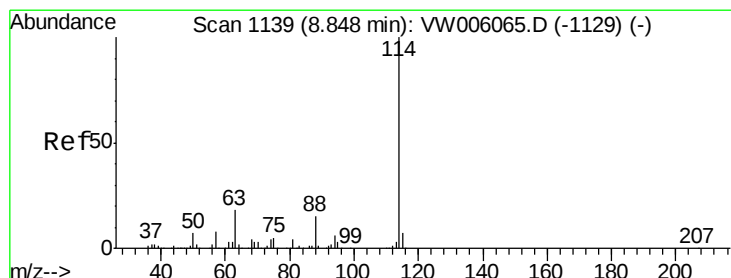
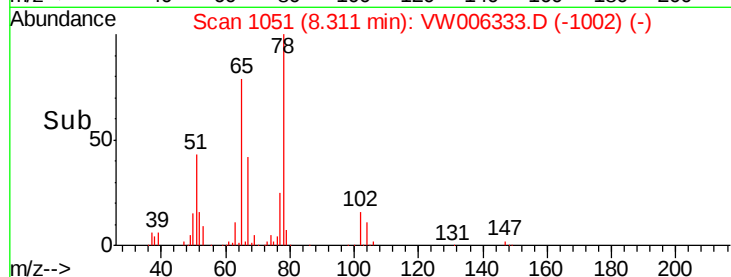
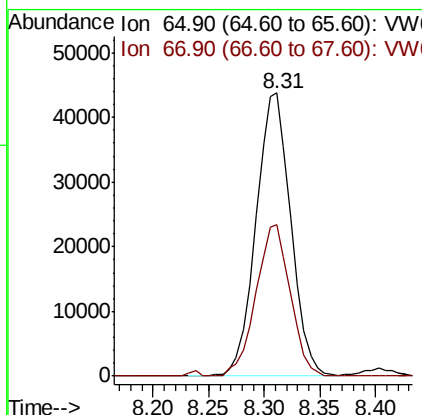
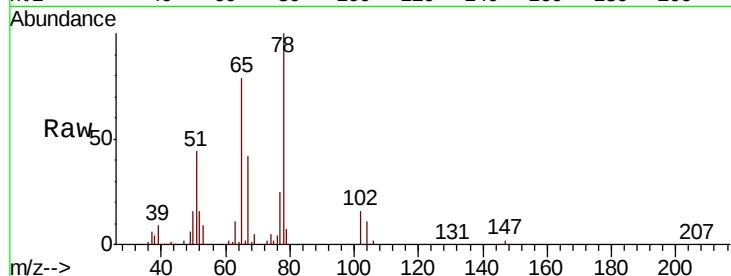




#33
 1,2-Dichloroethane-d4
 Concen: 49.818 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

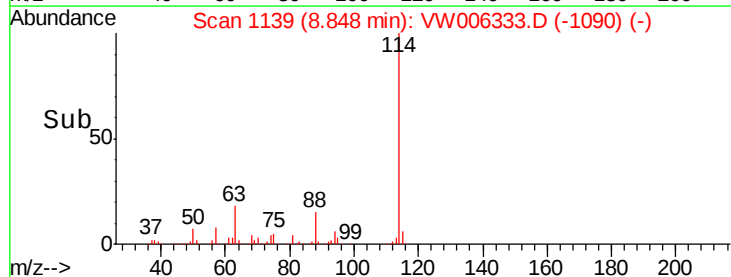
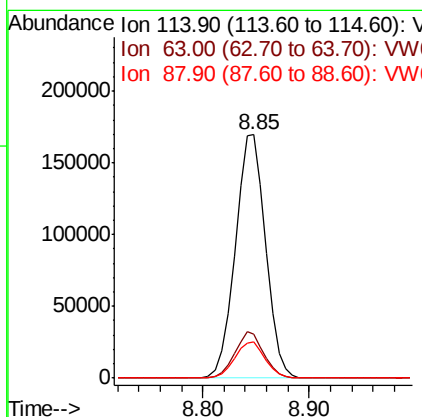
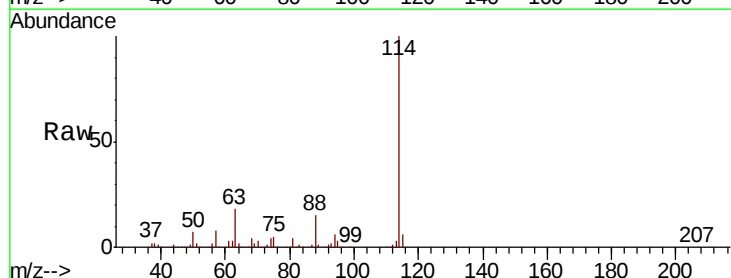
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

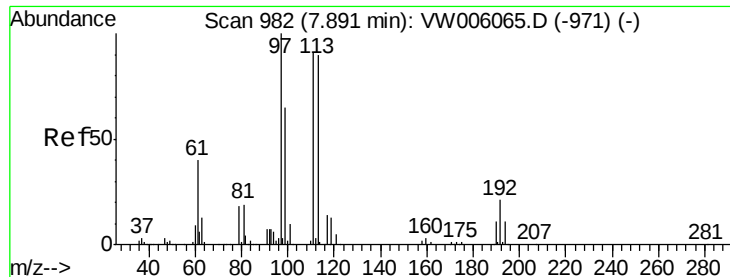
Tot Ion: 65 Resp: 95297
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion: 114 Resp: 337370
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.8
 88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.144 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

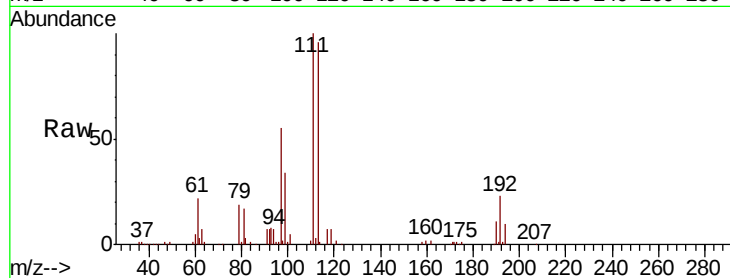
Tot Ion:113 Resp: 97969

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

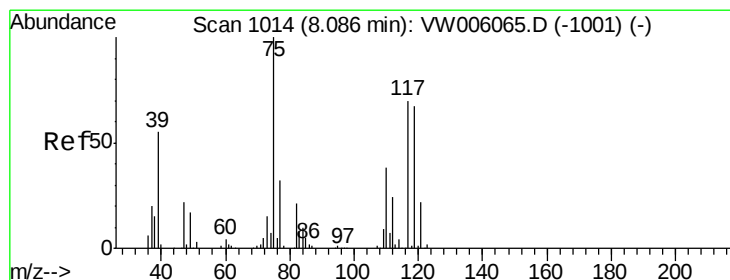
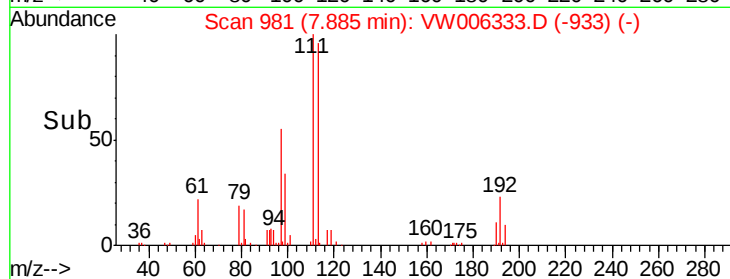
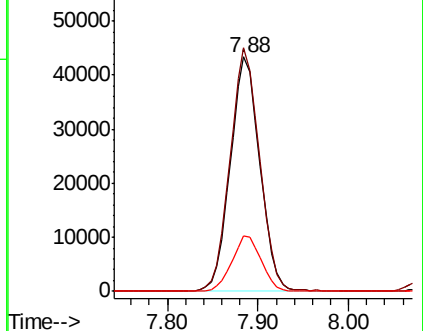
192 23.5 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.636 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

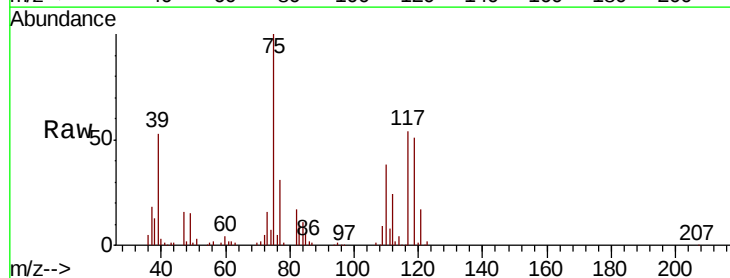
Tgt Ion: 75 Resp: 67281

Ion Ratio Lower Upper

75 100

110 38.0 19.1 57.1

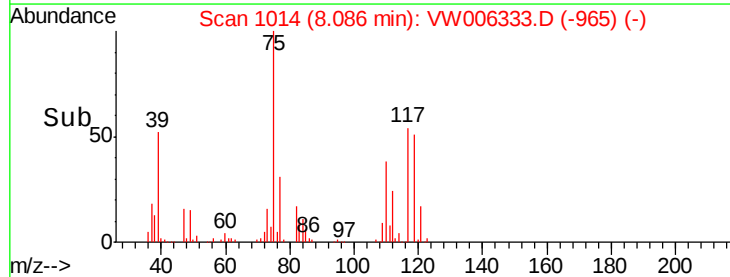
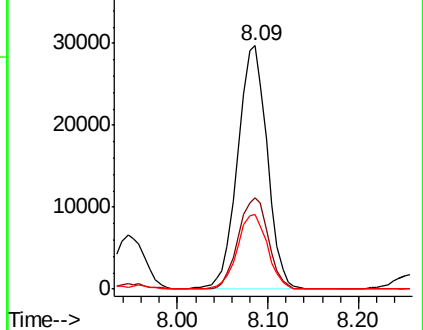
77 31.4 25.0 37.4

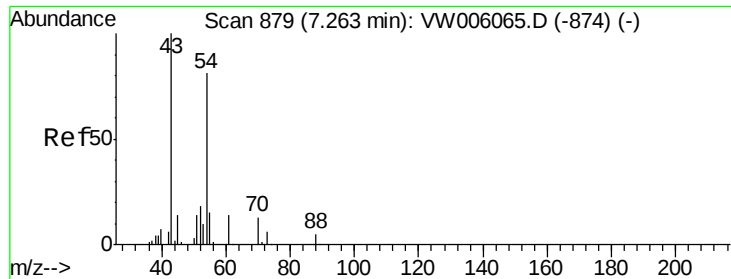


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

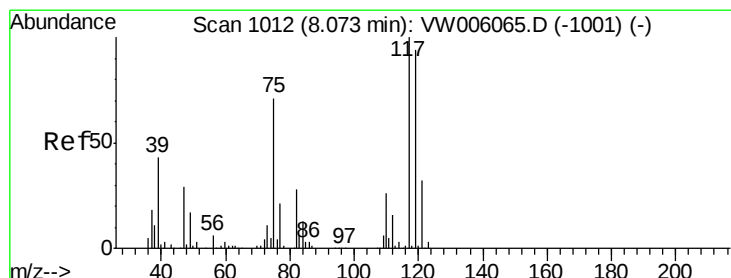
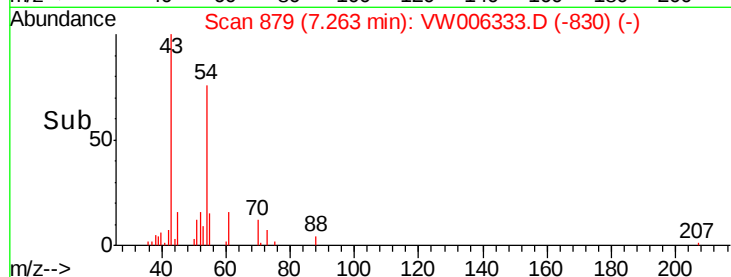
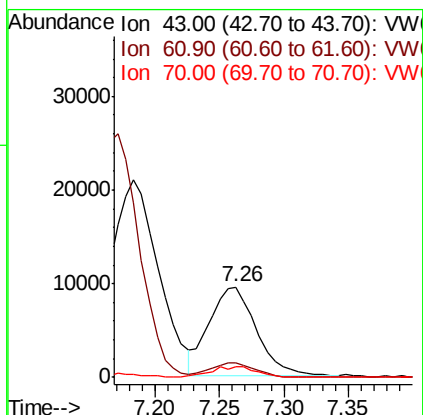
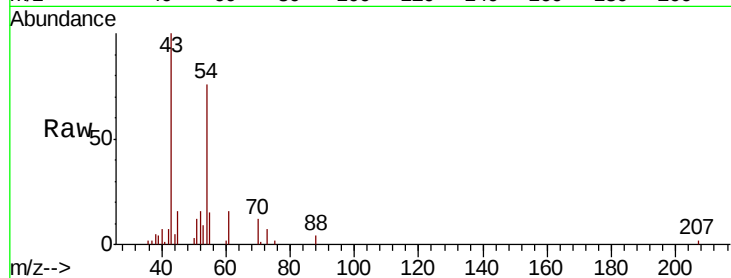




#37
Ethyl Acetate
Concen: 21.007 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

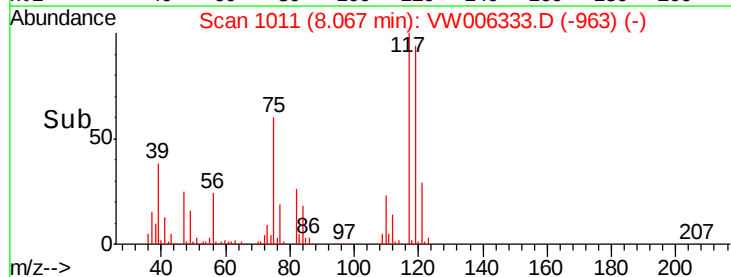
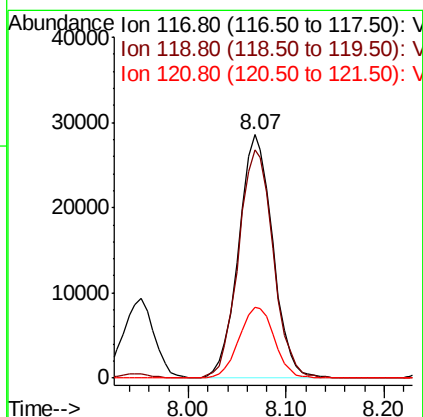
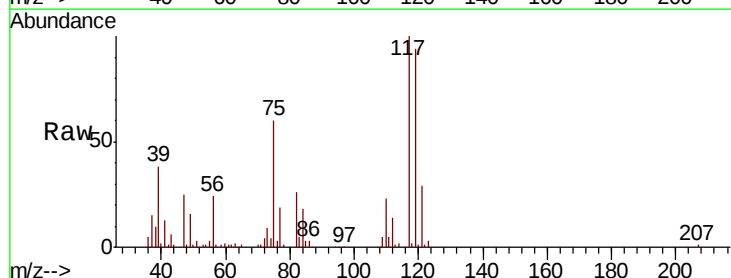
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

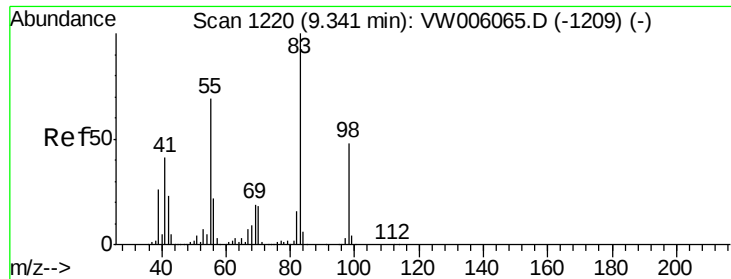
Tot Ion: 43 Resp: 24270
Ion Ratio Lower Upper
43 100
61 15.8 11.5 17.3
70 11.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.273 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 117 Resp: 69107
Ion Ratio Lower Upper
117 100
119 93.5 75.2 112.8
121 28.9 25.3 37.9

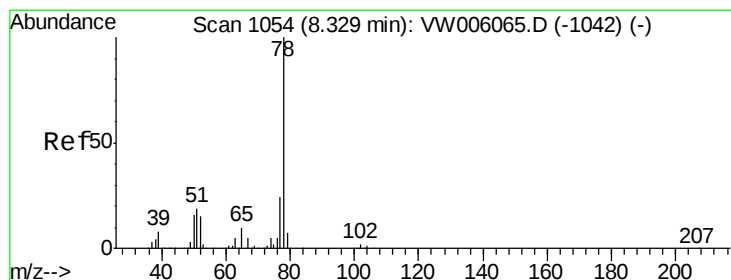
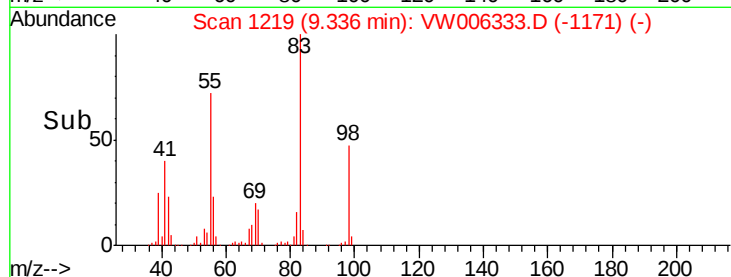
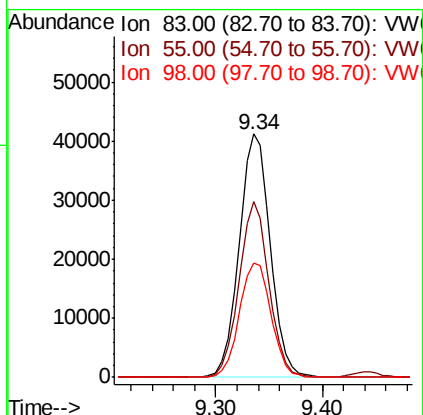
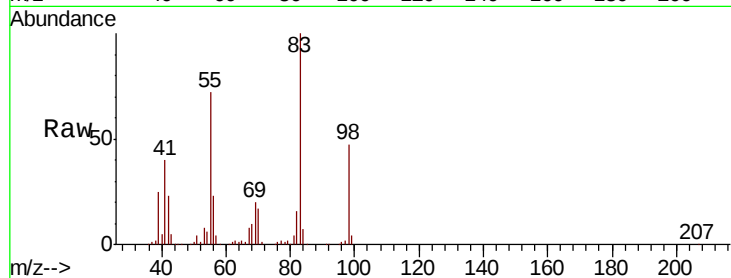




#39
Methvlcvclohexane
Concen: 20.417 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

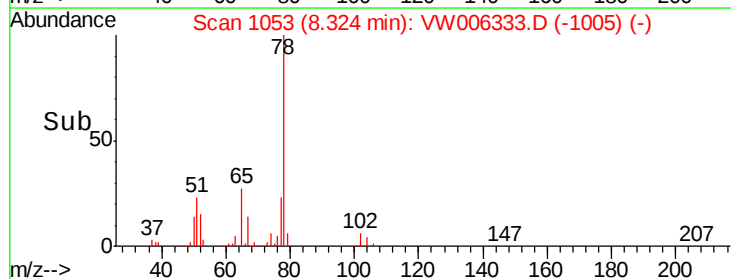
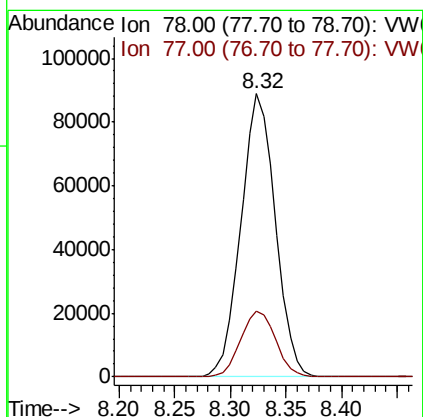
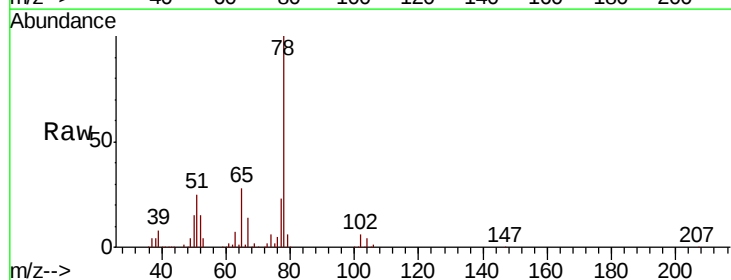
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

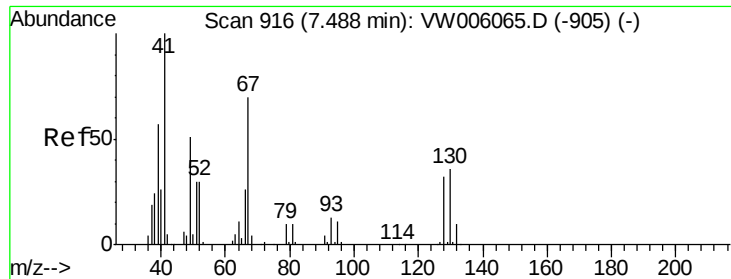
Tot Ion: 83 Resp: 84393
Ion Ratio Lower Upper
83 100
55 72.4 55.0 82.6
98 47.0 38.6 57.8



#40
Benzene
Concen: 22.393 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 78 Resp: 191012
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.0

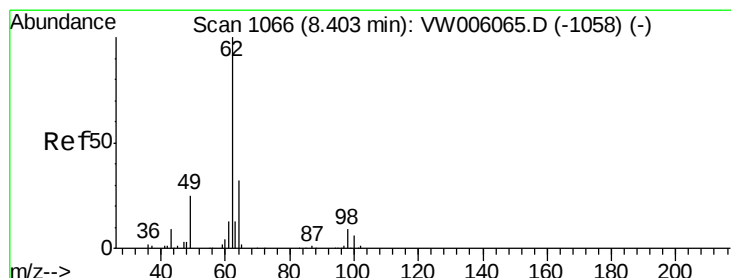
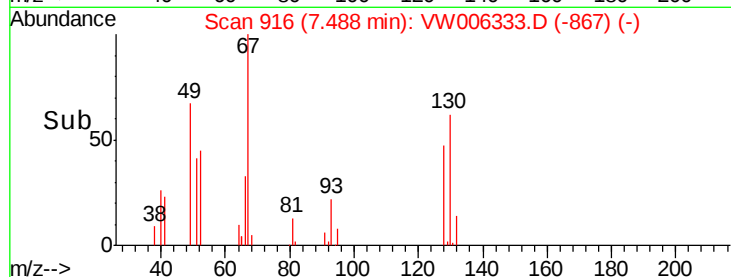
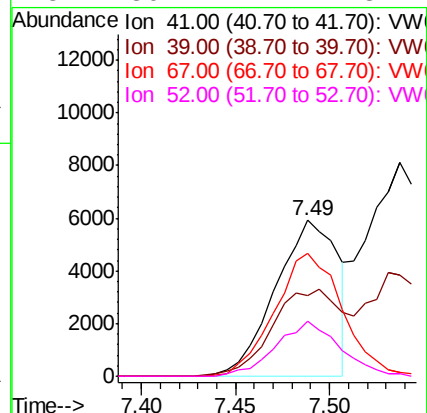
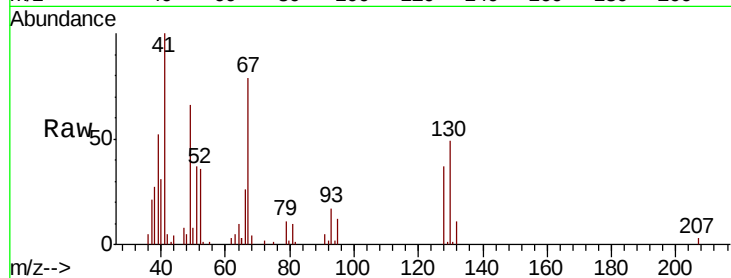




#41
Methacrylonitrile
Concen: 19.576 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

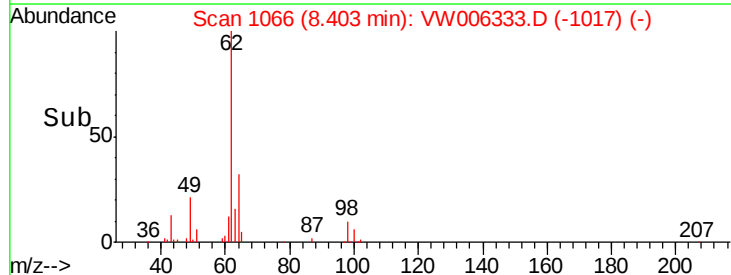
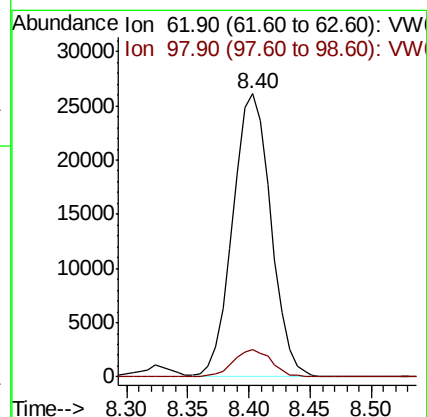
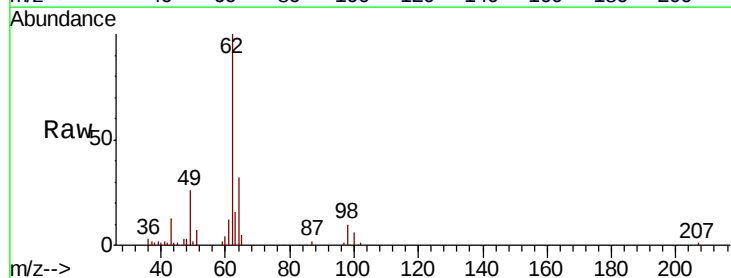
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

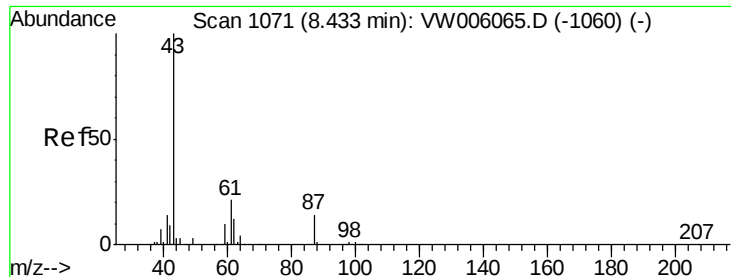
Tot Ion:	41	Resp:	13634
Ion	Ratio	Lower	Upper
41	100		
39	65.2	46.2	69.4
67	86.0	57.7	86.5
52	36.2	24.7	37.1



#42
1,2-Dichloroethane
Concen: 22.579 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion:	62	Resp:	56585
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.681 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

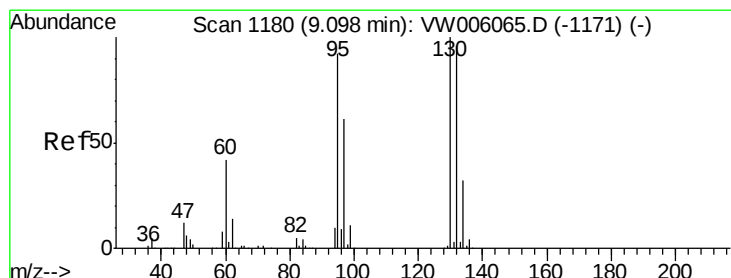
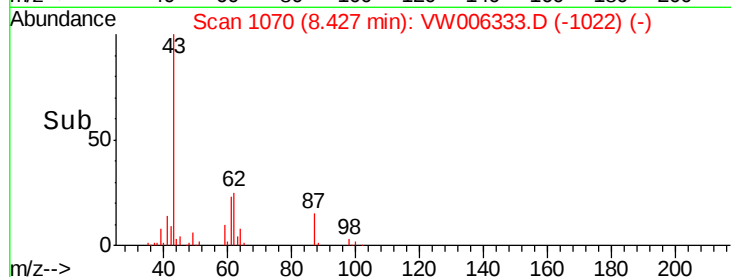
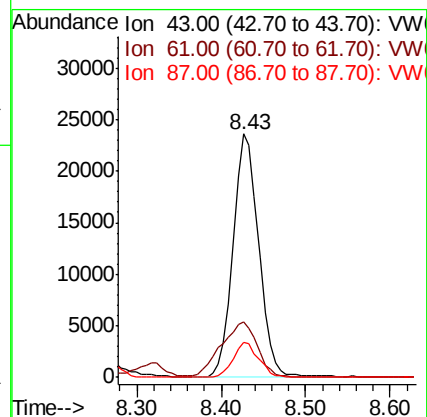
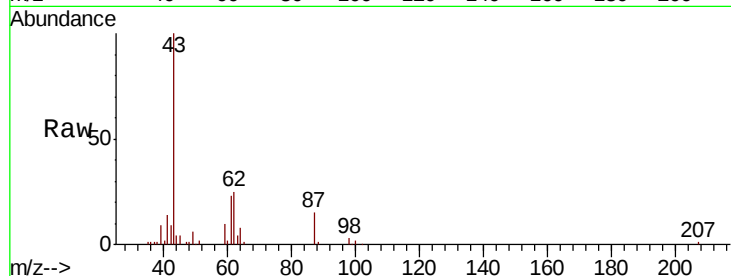
Tot Ion: 43 Resp: 48853

Ion Ratio Lower Upper

43 100

61 32.0 25.5 38.3

87 14.4 11.7 17.5



#44

Trichloroethene

Concen: 22.482 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006333.D

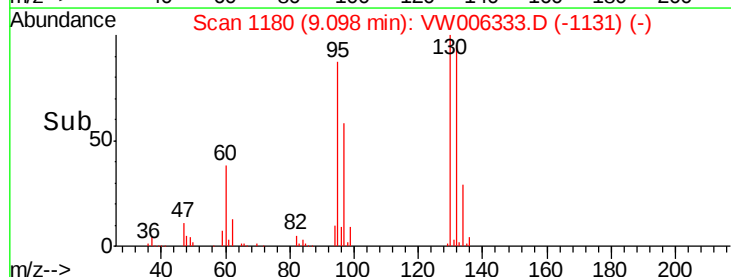
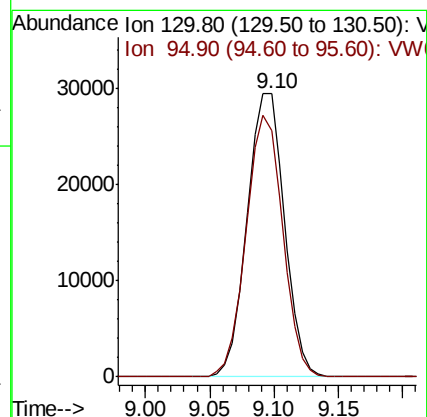
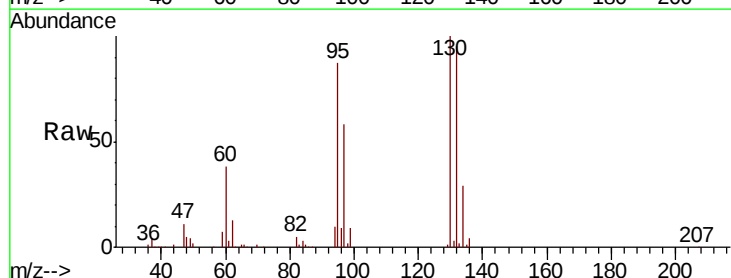
Acq: 24 Oct 2018 23:45

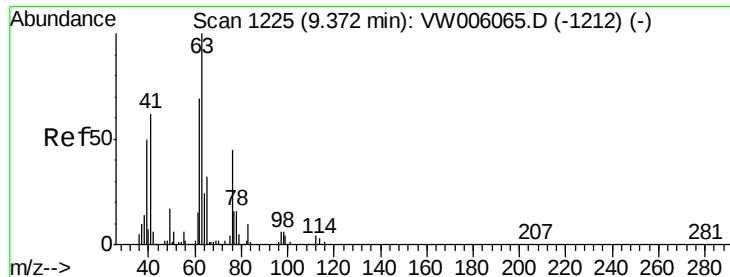
Tgt Ion: 130 Resp: 58835

Ion Ratio Lower Upper

130 100

95 87.2 0.0 183.2

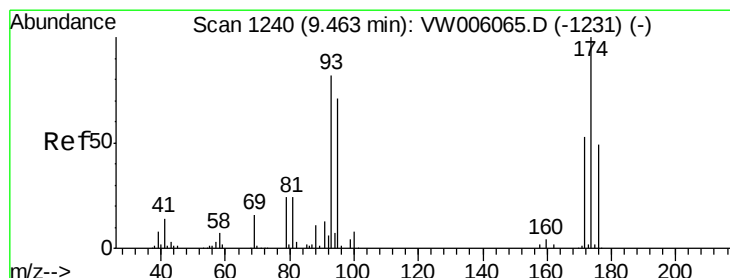
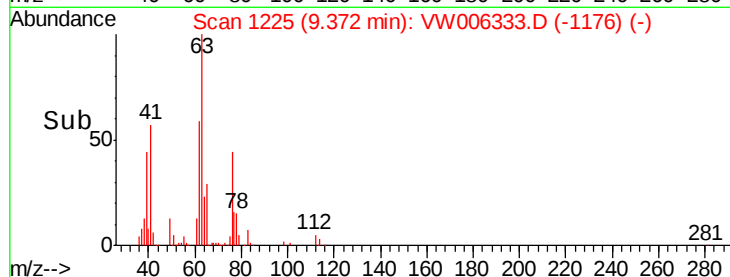
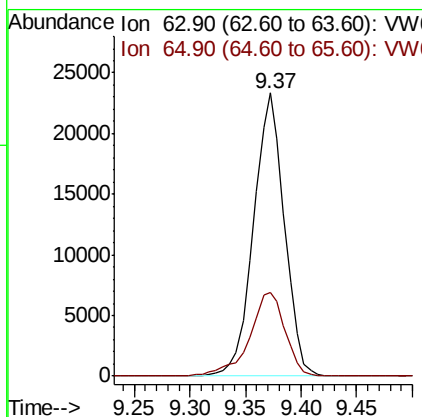
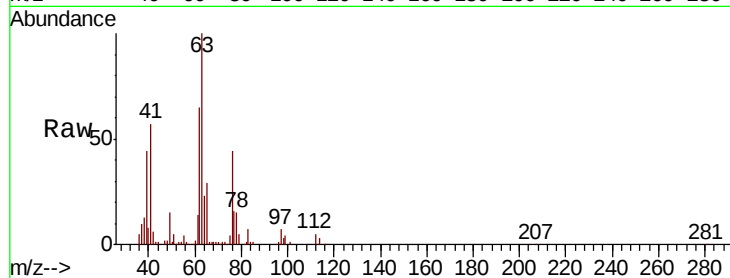




#45
 1,2-Dichloropropane
 Concen: 22.040 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

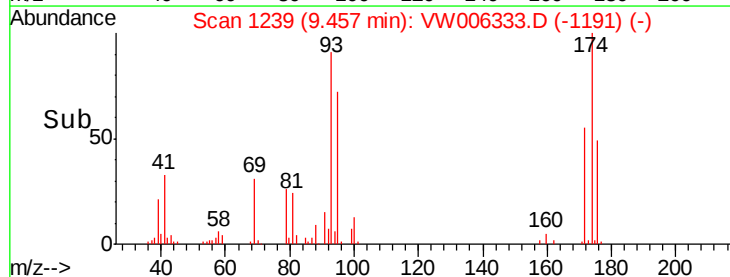
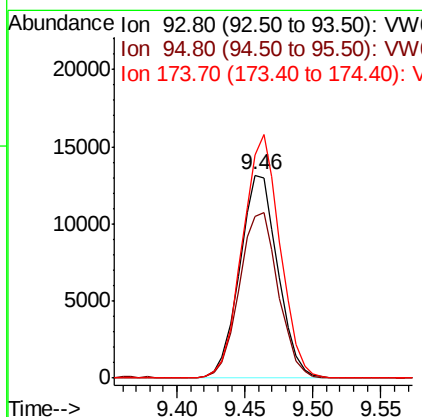
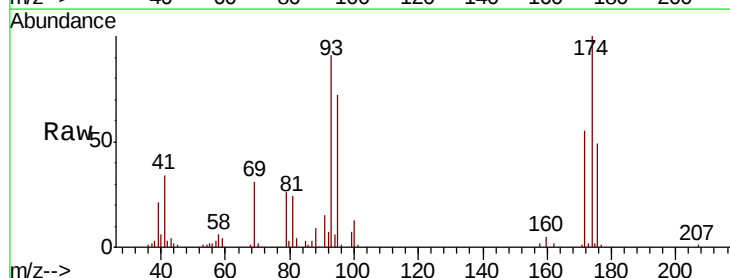
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion: 63 Resp: 44987
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.4 38.0



#46
 Dibromomethane
 Concen: 22.162 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion: 93 Resp: 25782
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.7 101.5
 174 118.3 93.7 140.5





#47

Bromodichloromethane

Concen: 20.962 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

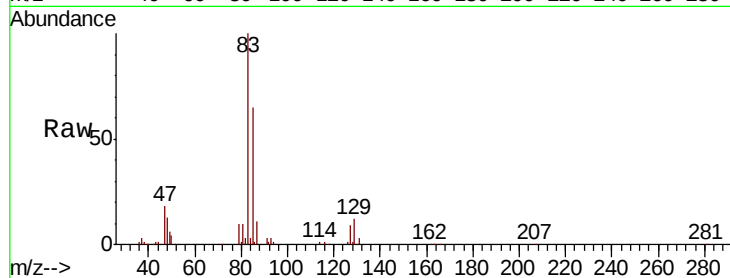
Tot Ion: 83 Resp: 59124

Ion Ratio Lower Upper

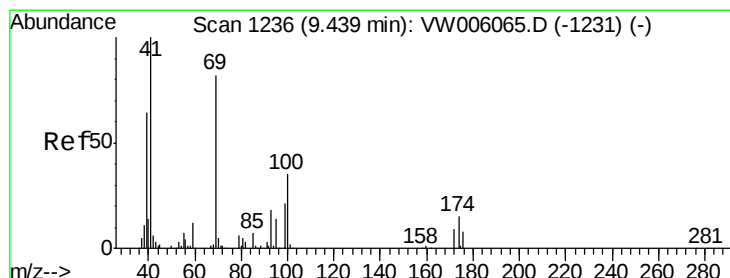
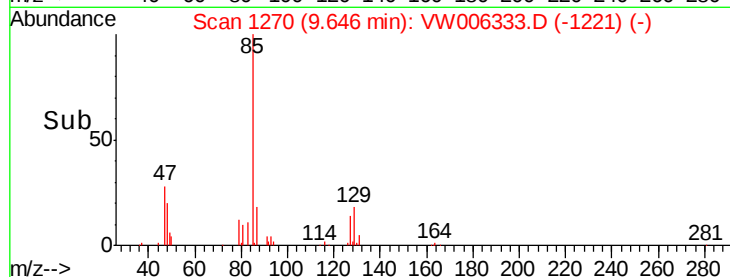
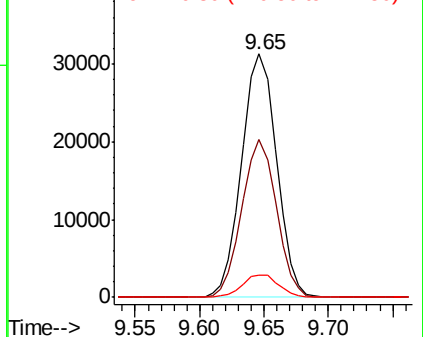
83 100

85 64.6 51.8 77.8

127 9.0 6.9 10.3



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



#48

Methyl methacrylate

Concen: 20.841 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

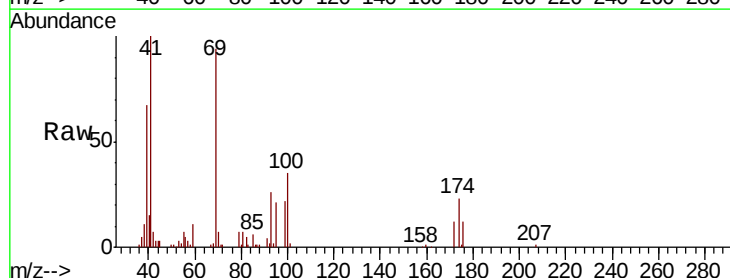
Tgt Ion: 41 Resp: 23337

Ion Ratio Lower Upper

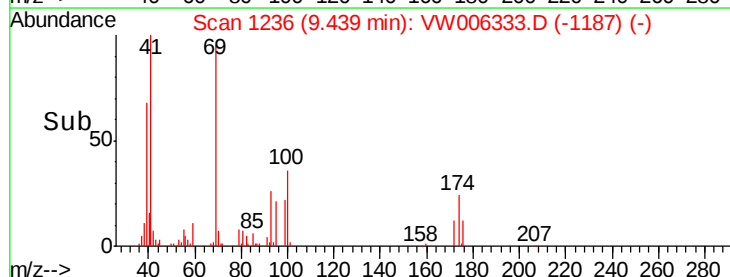
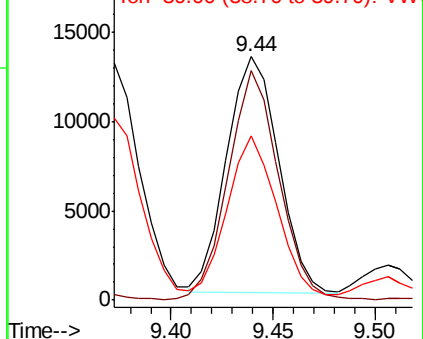
41 100

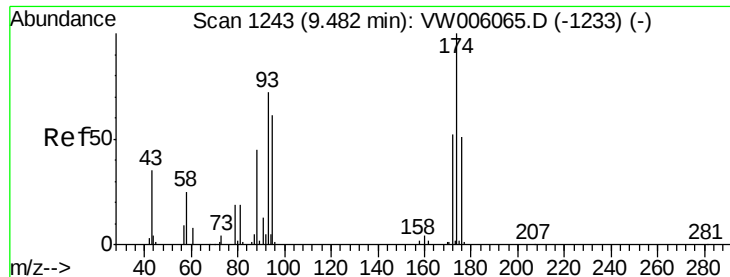
69 95.5 71.8 107.8

39 67.7 52.5 78.7



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

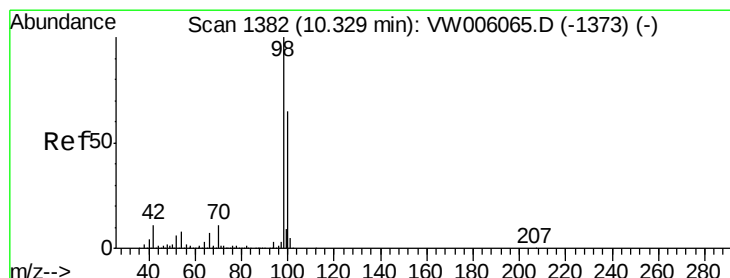
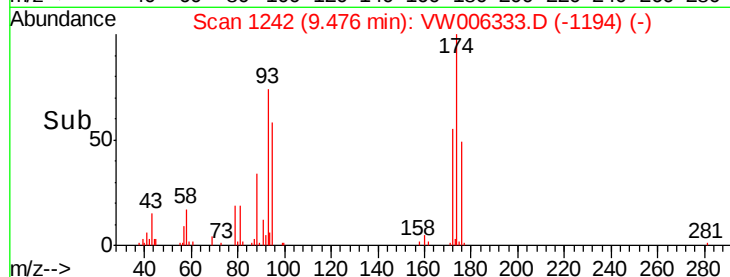
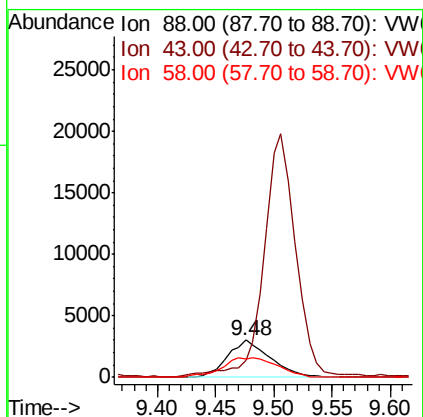
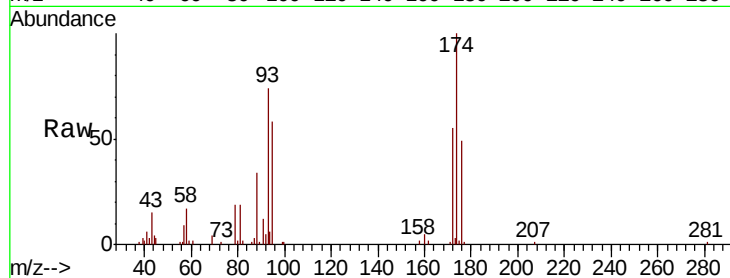




#49
1,4-Dioxane
Concen: 423.631 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

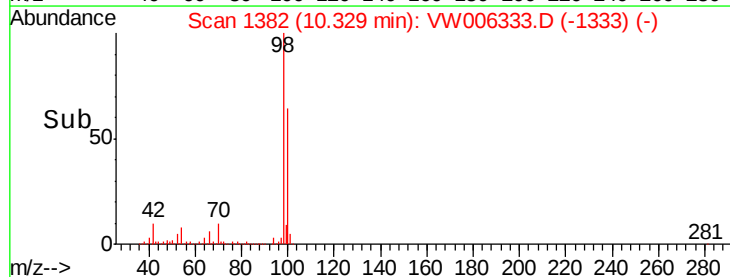
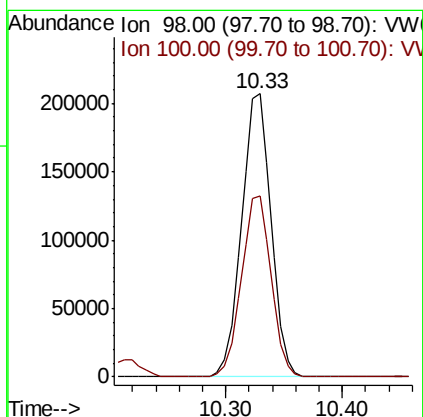
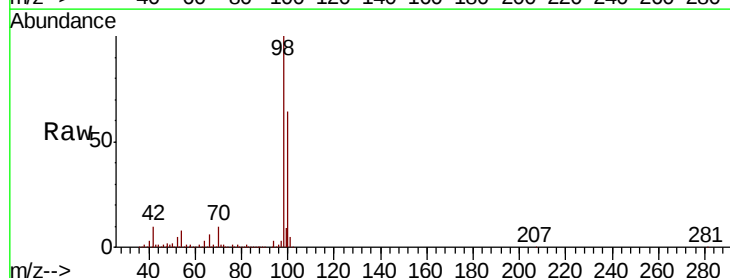
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

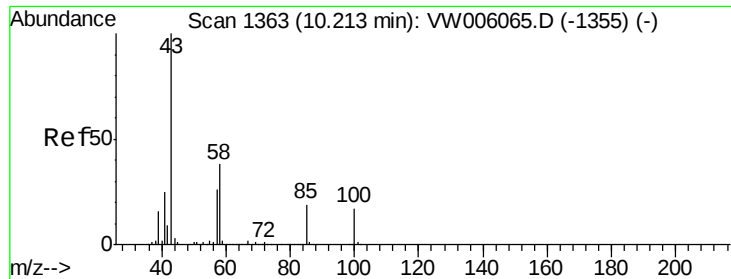
Tot Ion: 88 Resp: 7587
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 68.9 51.2 76.8



#50
Toluene-d8
Concen: 48.229 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 98 Resp: 365783
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 107.931 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

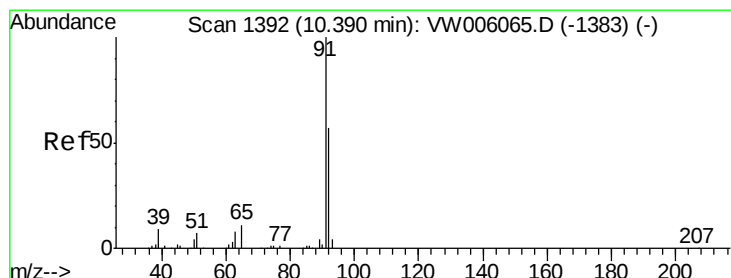
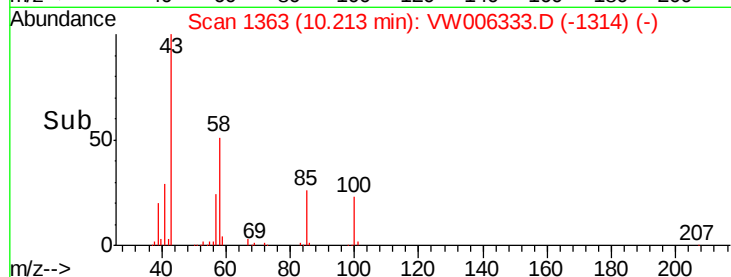
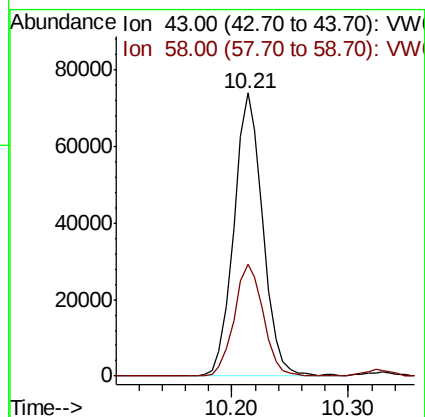
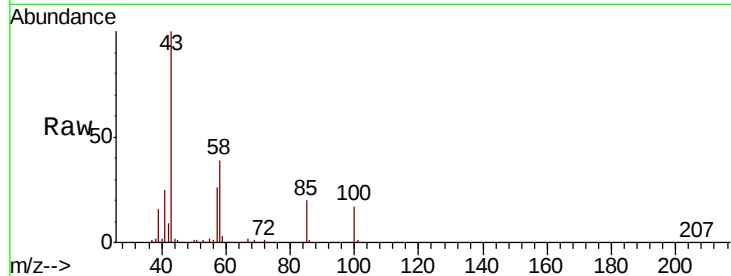
VW1024SBS01

Tot Ion: 43 Resp: 127745

Ion Ratio Lower Upper

43 100

58 39.9 31.5 47.3



#52

Toluene

Concen: 22.198 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006333.D

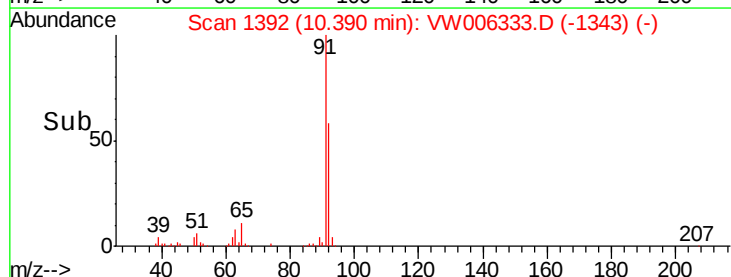
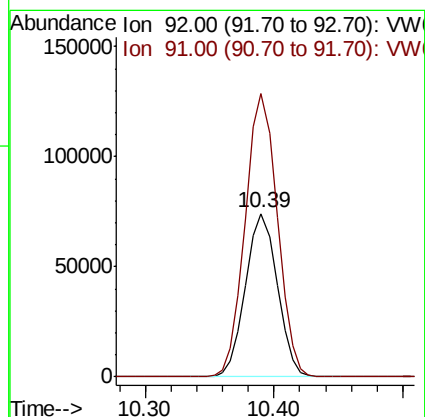
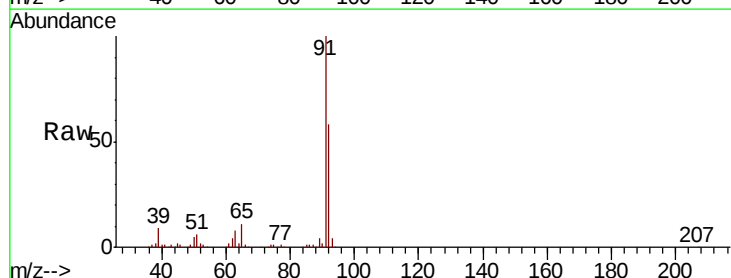
Acq: 24 Oct 2018 23:45

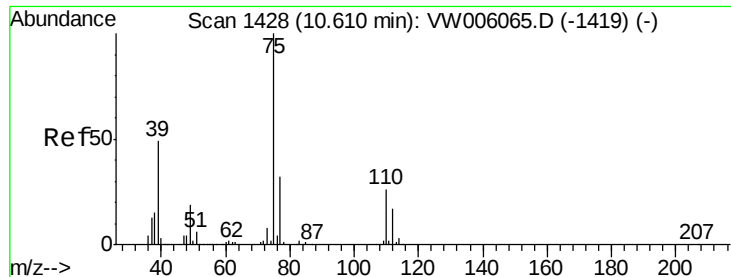
Tgt Ion: 92 Resp: 126944

Ion Ratio Lower Upper

92 100

91 175.0 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 20.078 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

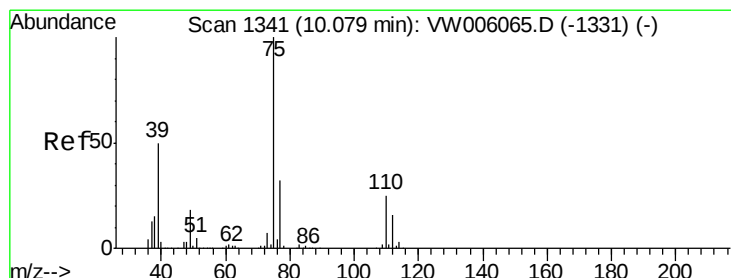
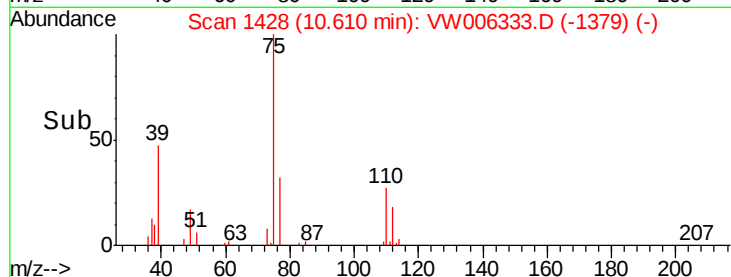
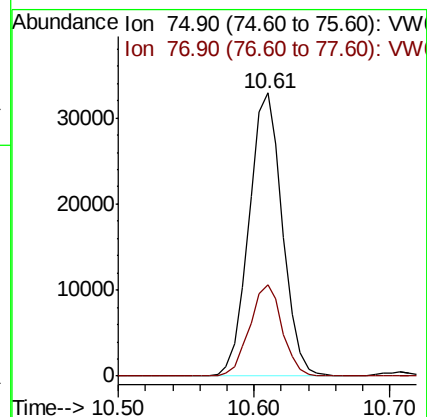
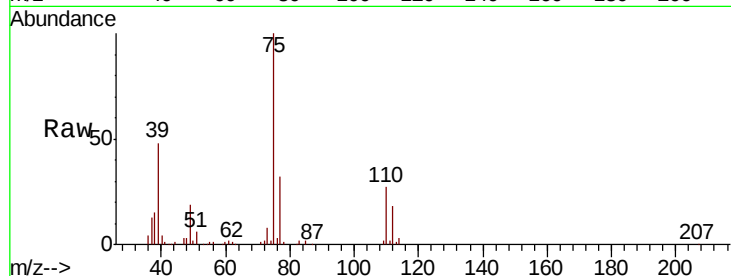
VW1024SBS01

Tot Ion: 75 Resp: 56421

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.367 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

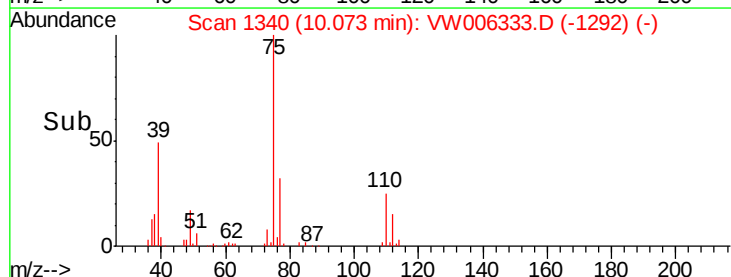
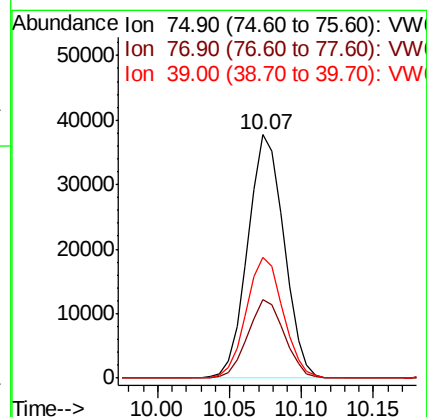
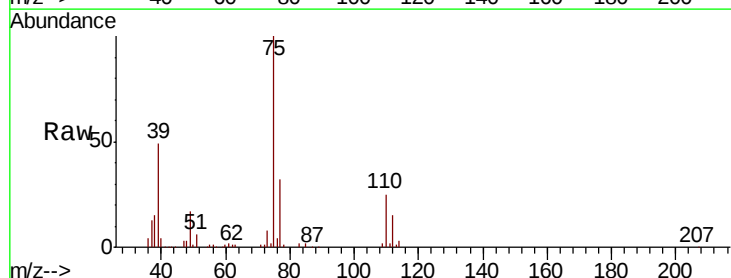
Tgt Ion: 75 Resp: 65686

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 49.4 39.9 59.9

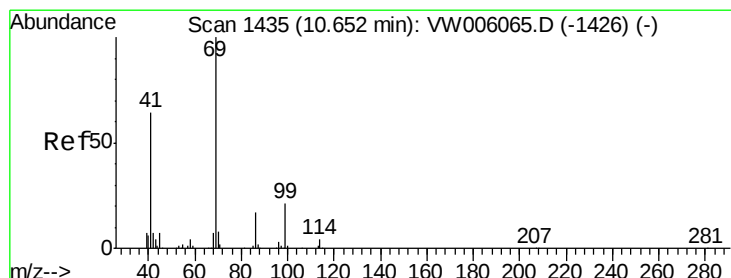
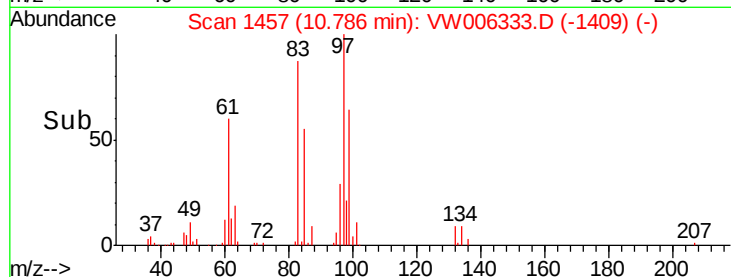
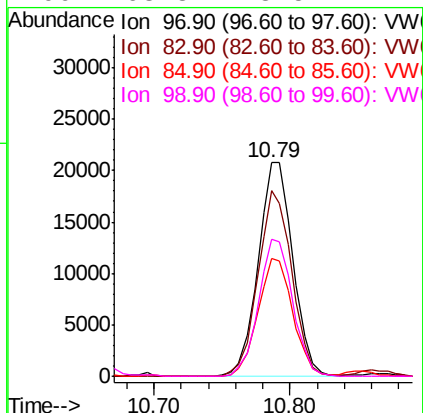
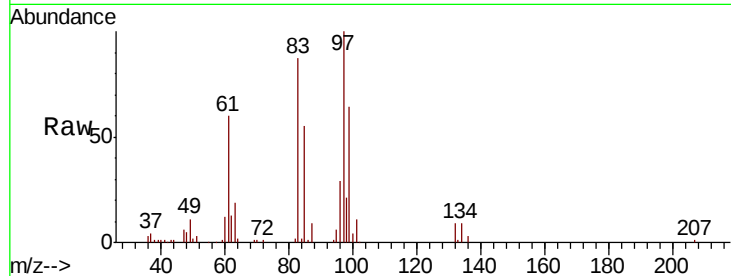




#55
 1,1,2-Trichloroethane
 Concen: 22.829 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

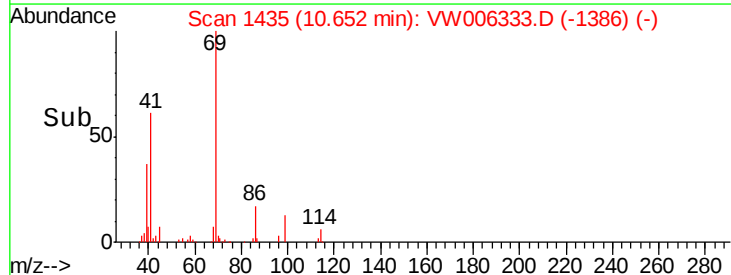
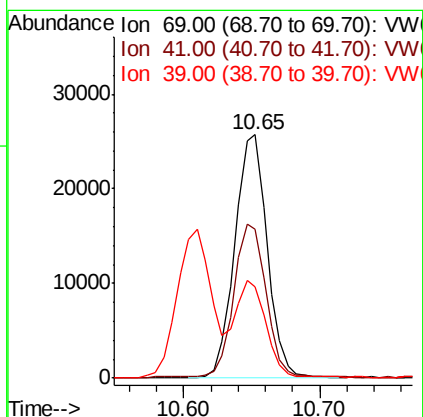
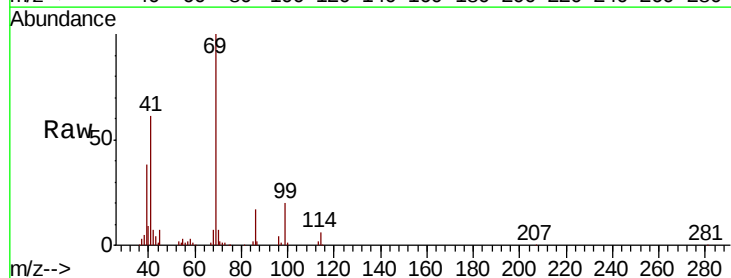
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion:	97	Resp:	37165
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.2	100.8
85	55.0	43.7	65.5
99	63.8	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 21.469 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion:	69	Resp:	42848
Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.8	79.2
39	38.2	30.6	45.8

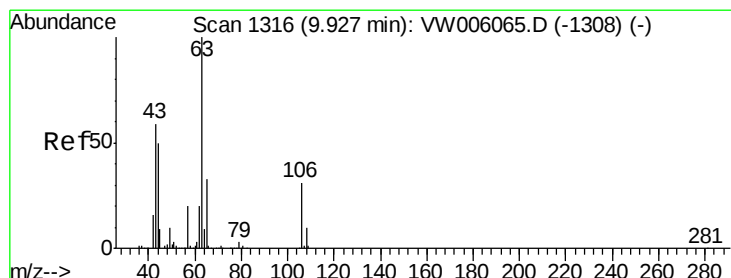
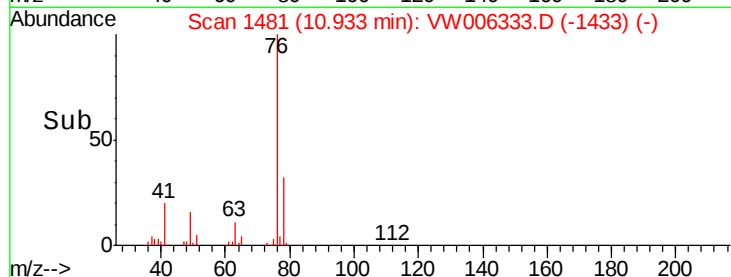
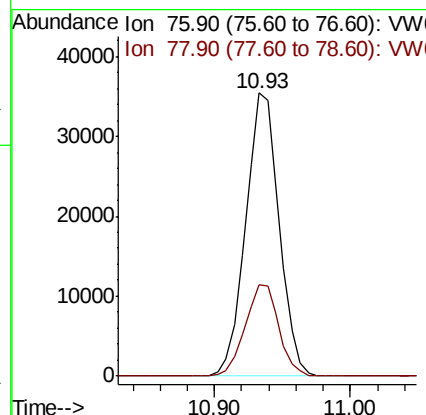
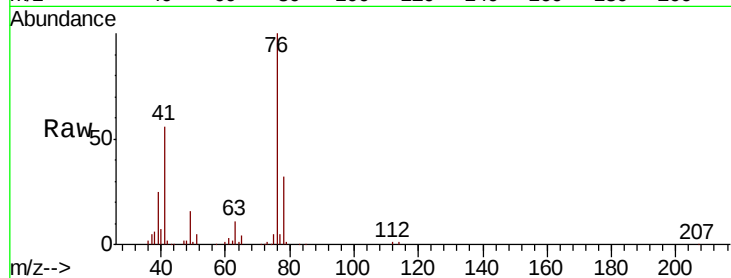




#57
 1,3-Dichloropropane
 Concen: 22.529 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

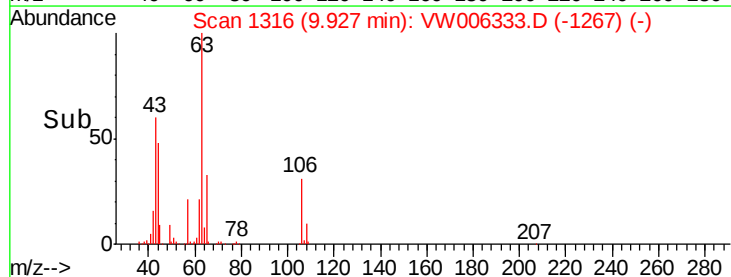
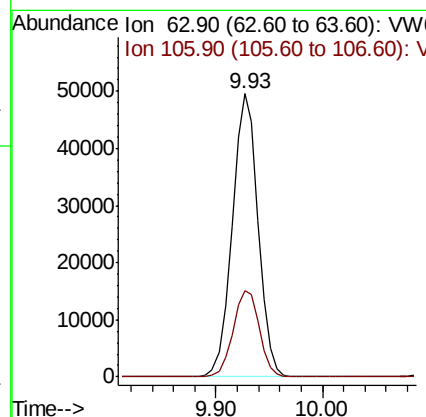
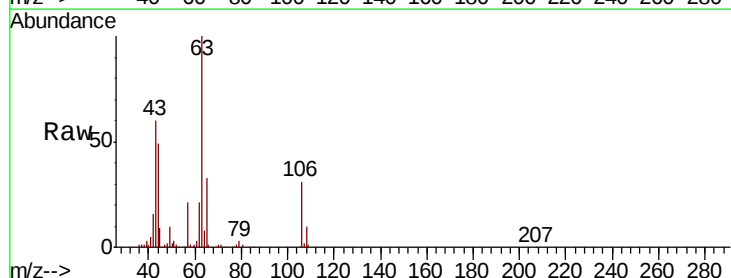
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

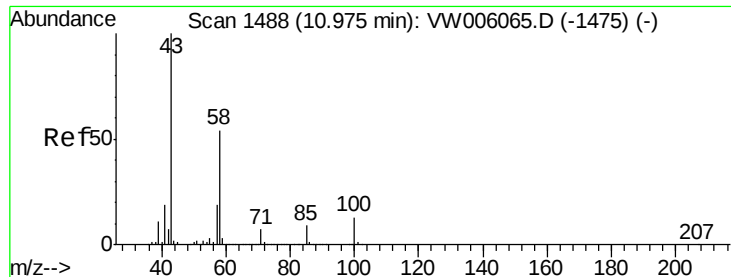
Tot Ion: 76 Resp: 60715
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.904 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion: 63 Resp: 83814
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.5 36.7

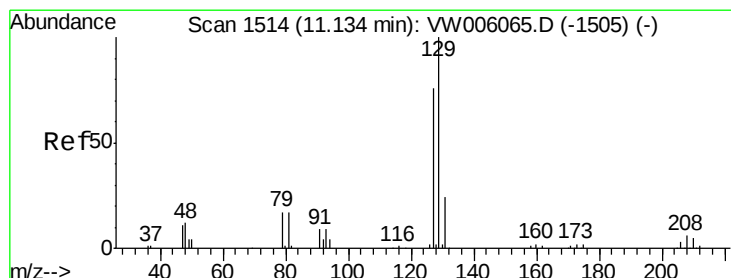
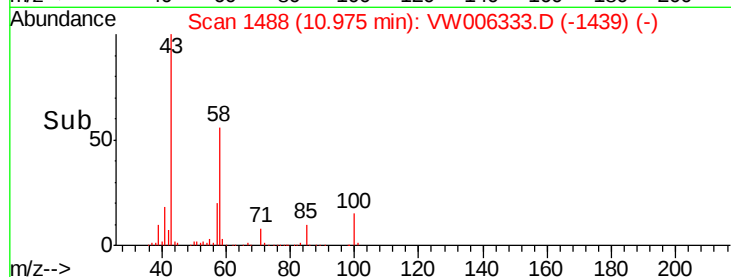
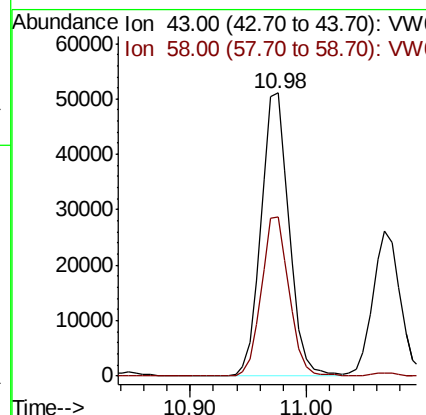
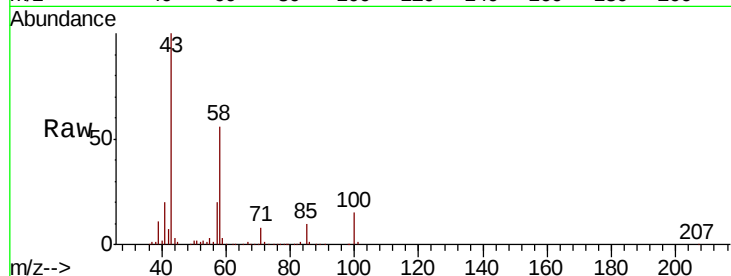




#59
2-Hexanone
Concen: 101.554 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

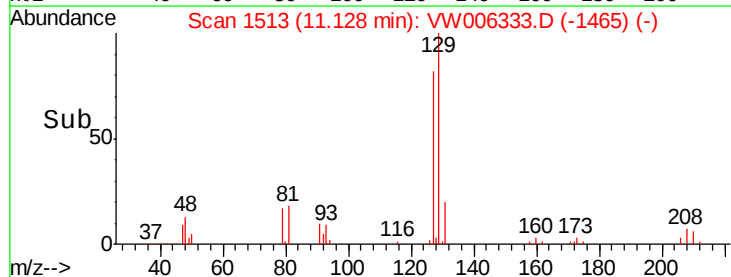
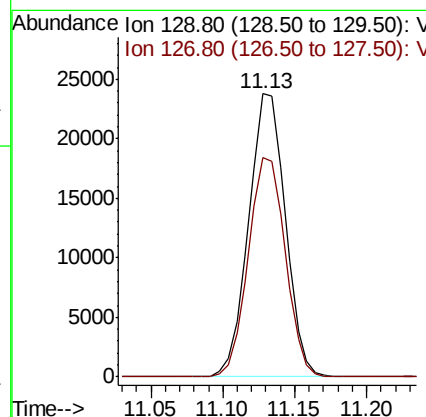
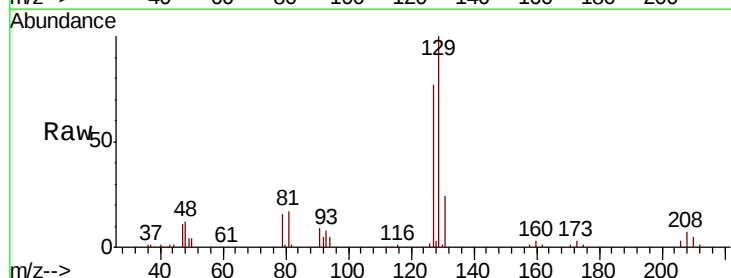
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

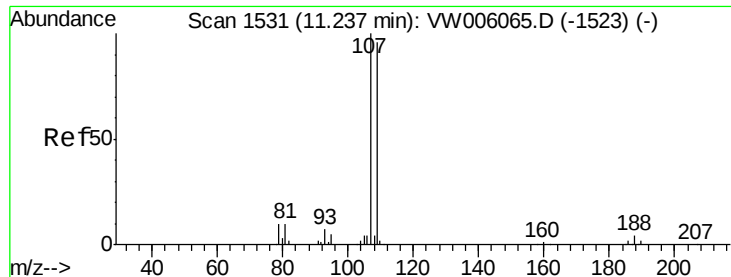
Tot Ion: 43 Resp: 85801
Ion Ratio Lower Upper
43 100
58 55.6 26.9 80.6



#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 129 Resp: 41904
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7

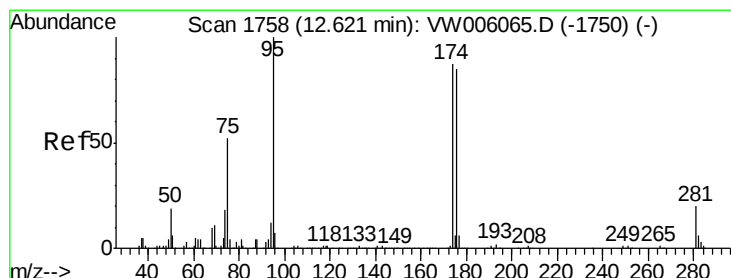
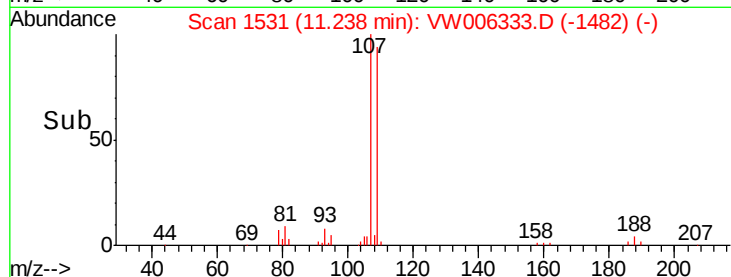
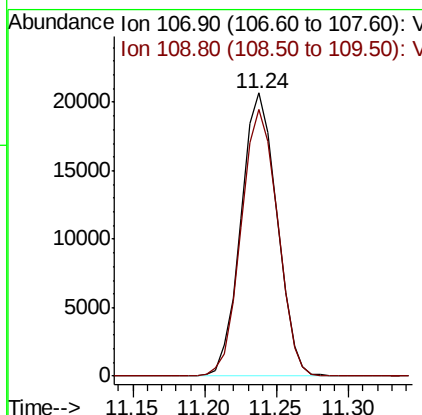
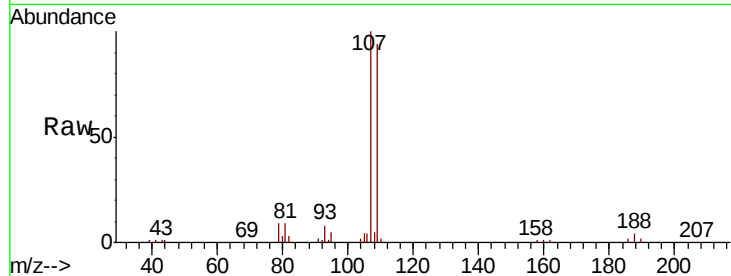




#61
 1,2-Dibromoethane
 Concen: 22.060 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

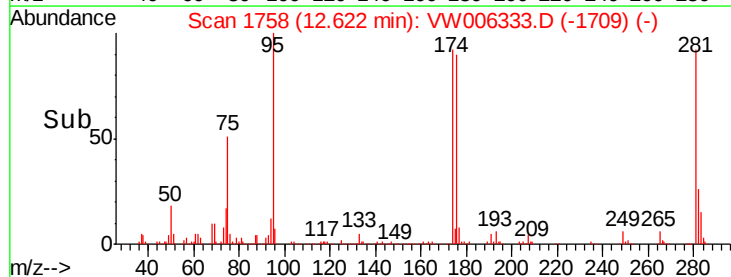
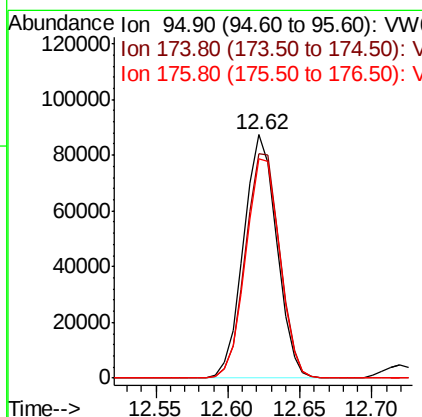
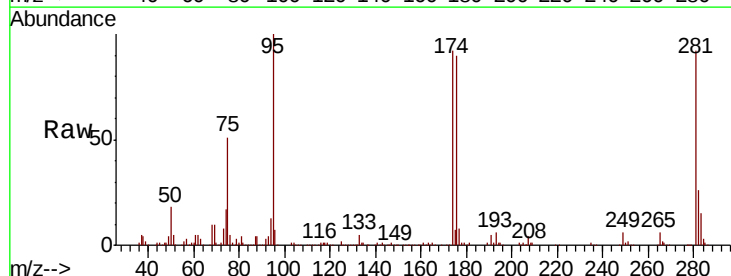
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

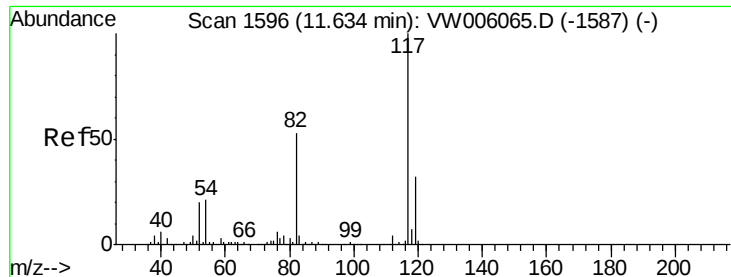
Tot Ion:107 Resp: 35884
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 48.886 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion: 95 Resp: 139255
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 186.0
 176 92.3 0.0 181.6

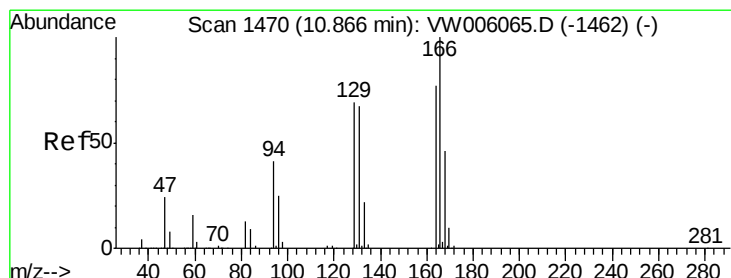
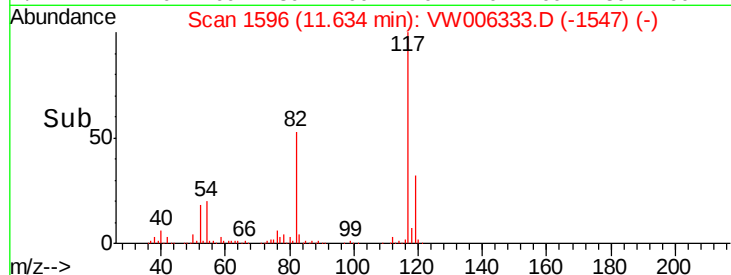
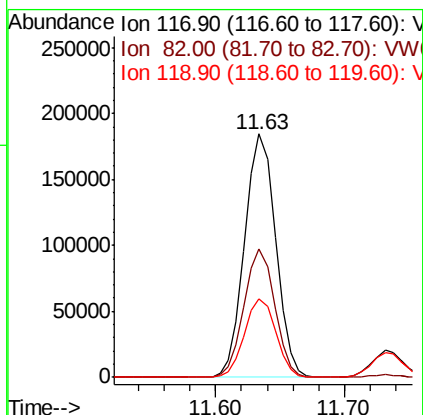
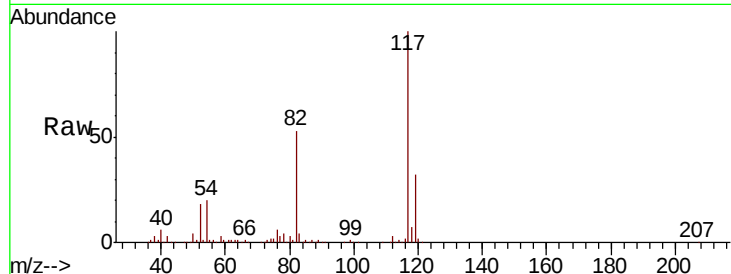




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

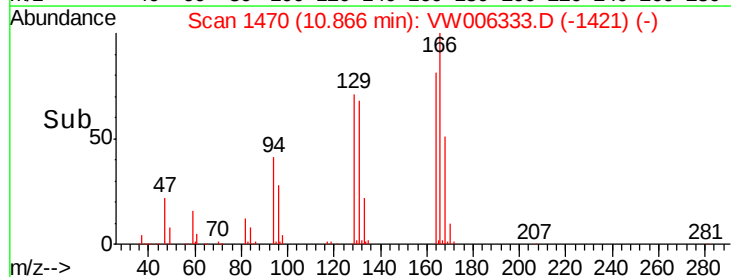
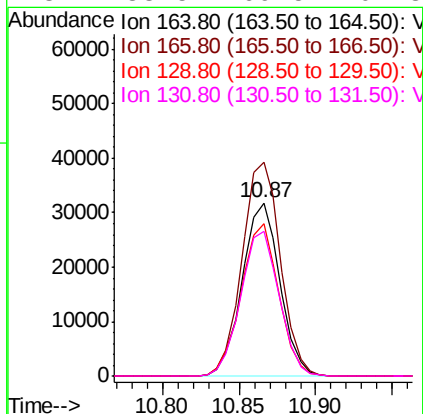
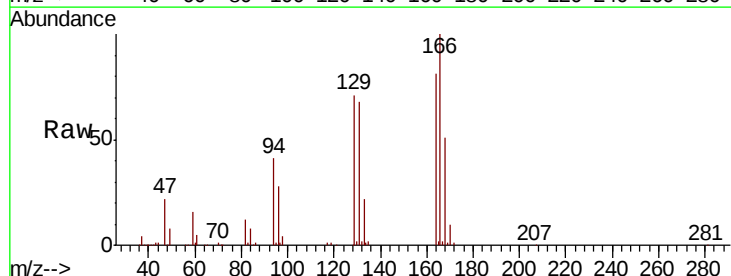
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

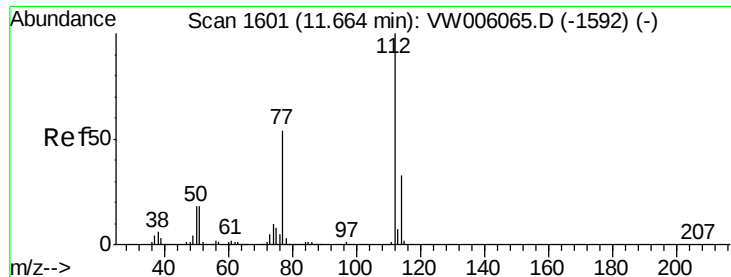
Tot Ion:117 Resp: 307937
Ion Ratio Lower Upper
117 100
82 52.7 42.1 63.1
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 22.679 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion:164 Resp: 54214
Ion Ratio Lower Upper
164 100
166 123.5 103.4 155.0
129 87.8 71.8 107.8
131 83.5 69.5 104.3

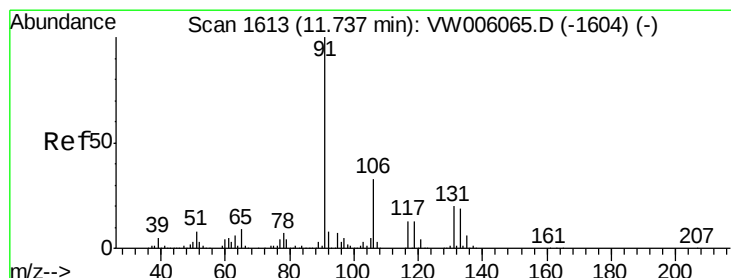
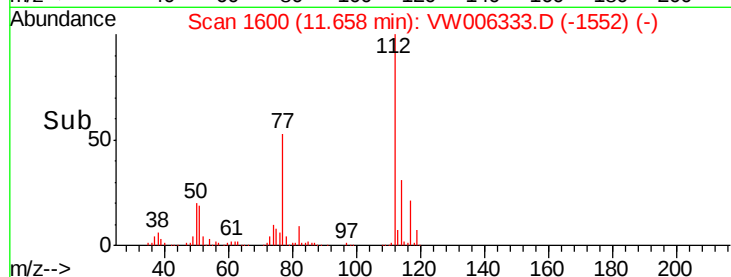
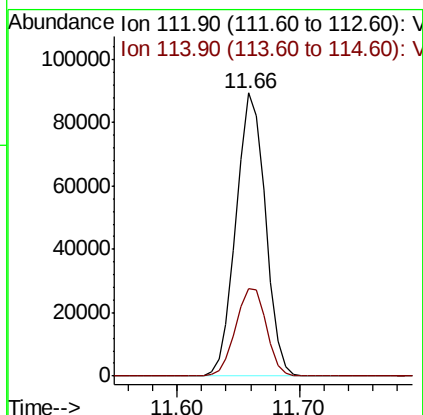
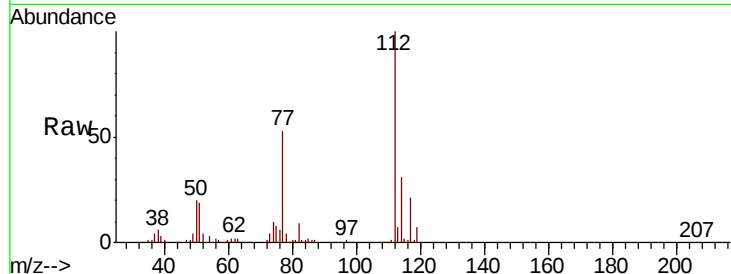




#65
Chlorobenzene
Concen: 22.514 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

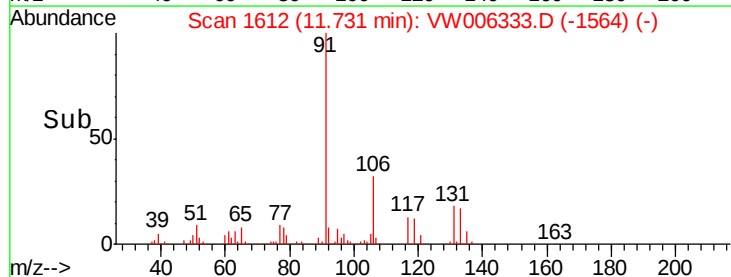
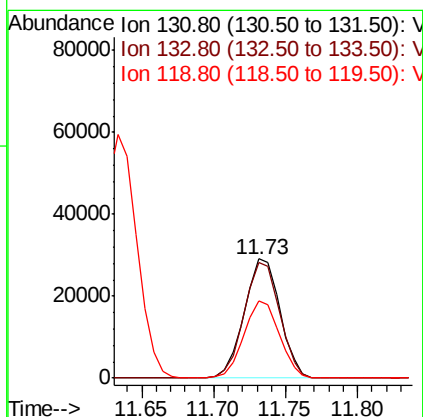
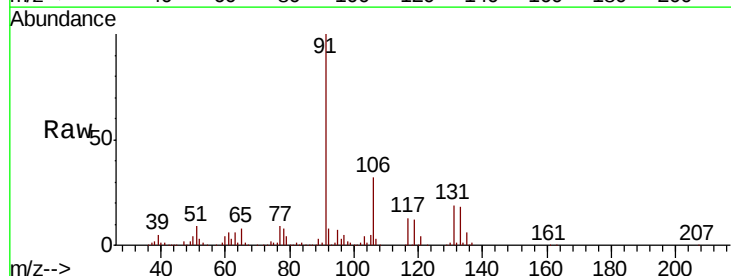
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

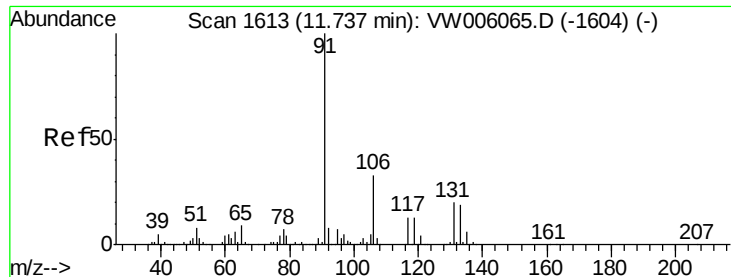
Tot Ion:112 Resp: 148414
Ion Ratio Lower Upper
112 100
114 31.0 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.409 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion:131 Resp: 50155
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.3
119 64.2 31.6 94.7

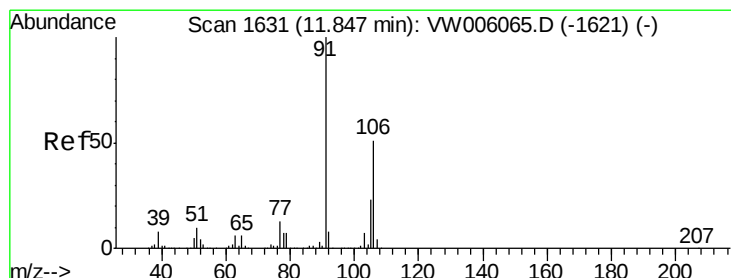
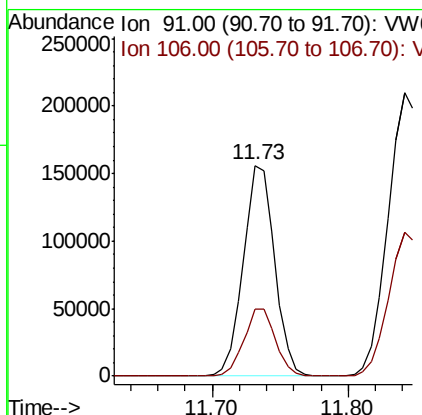
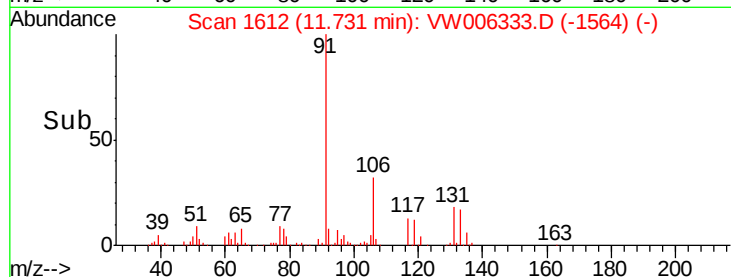
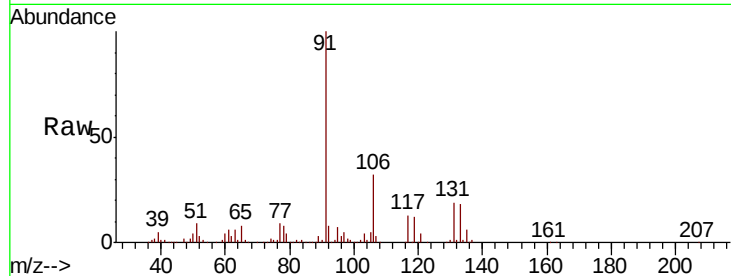




#67
Ethyl Benzene
Concen: 22.013 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

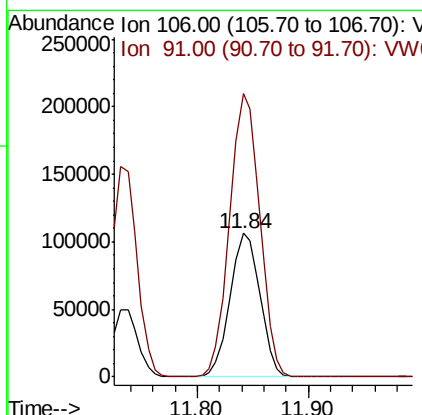
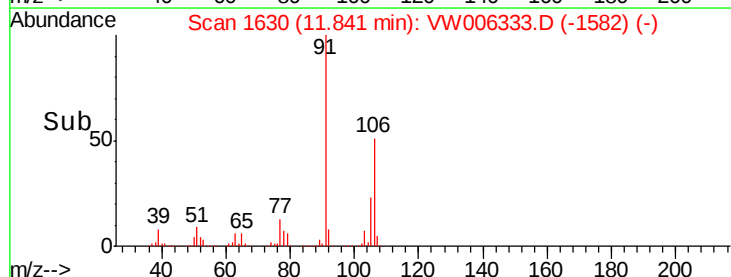
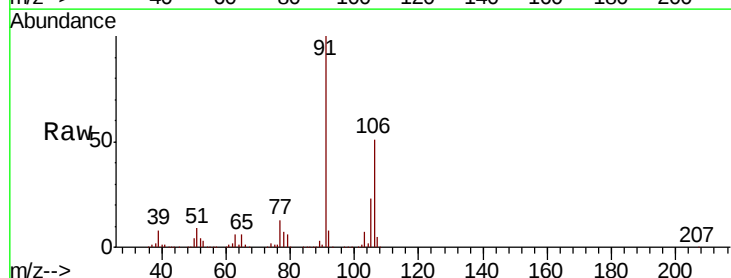
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion: 91 Resp: 251477
Ion Ratio Lower Upper
91 100
106 31.8 26.1 39.1



#68
m/p-Xylenes
Concen: 43.947 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 106 Resp: 198440
Ion Ratio Lower Upper
106 100
91 198.6 159.1 238.7

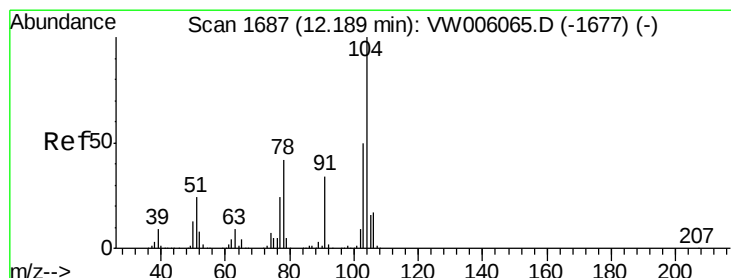
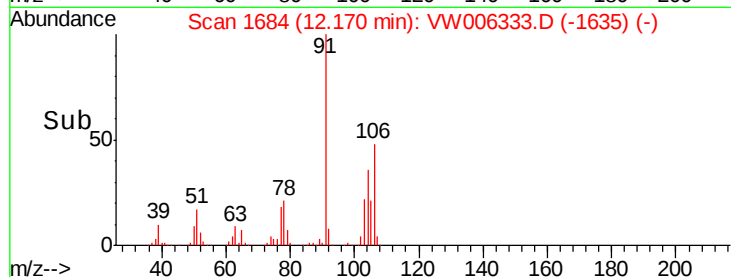
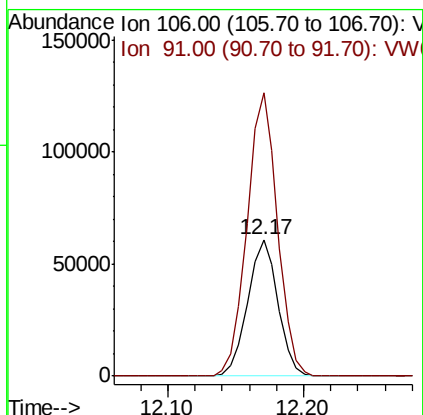
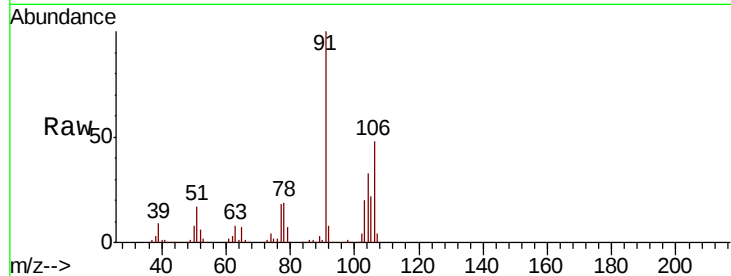




#69
o-Xylene
Concen: 21.995 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

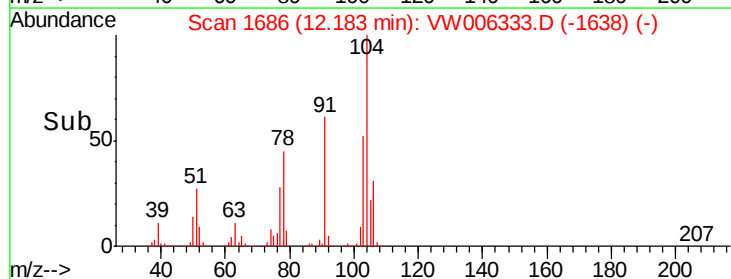
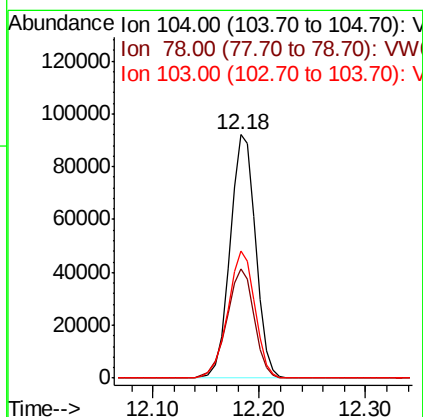
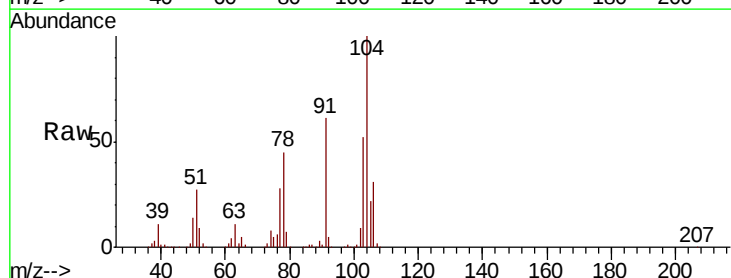
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

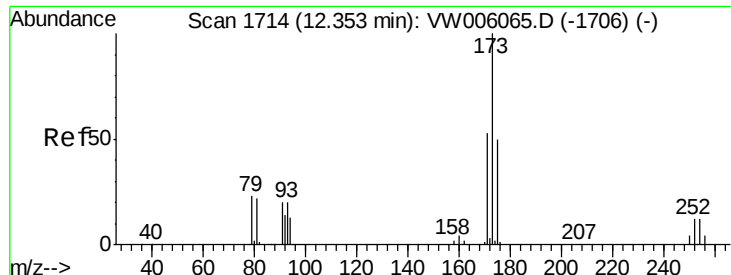
Tot Ion:106 Resp: 94652
Ion Ratio Lower Upper
106 100
91 208.6 105.4 316.1



#70
Styrene
Concen: 22.084 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion:104 Resp: 154538
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.5 44.3 66.5





#71

Bromoform

Concen: 19.460 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

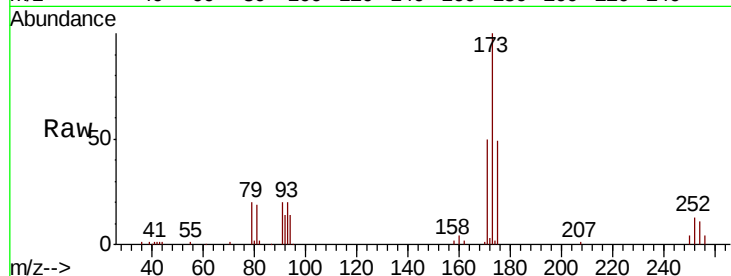
Tot Ion:173 Resp: 25428

Ion Ratio Lower Upper

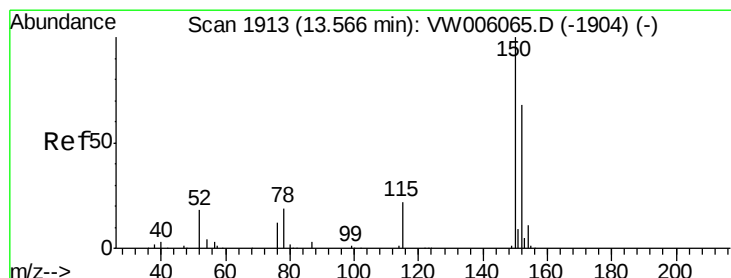
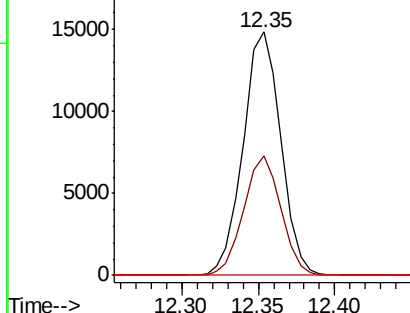
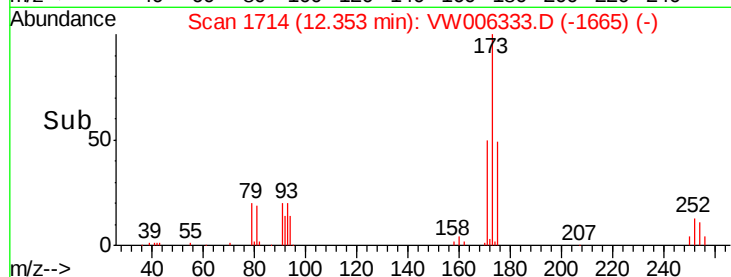
173 100

175 48.5 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: VW006333.D

Acq: 24 Oct 2018 23:45

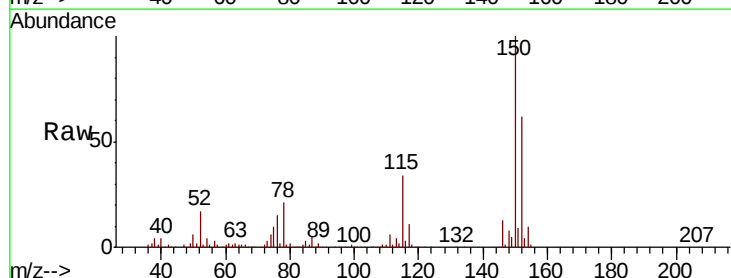
Tgt Ion:152 Resp: 171041

Ion Ratio Lower Upper

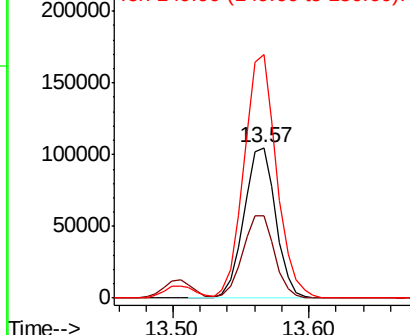
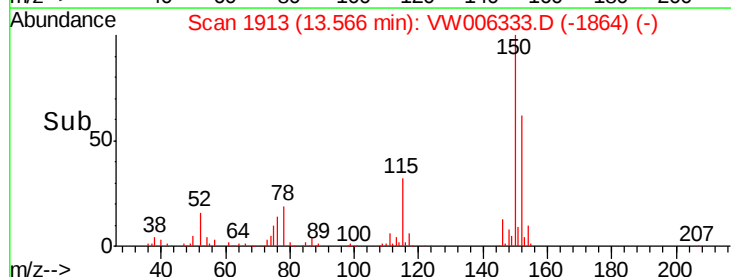
152 100

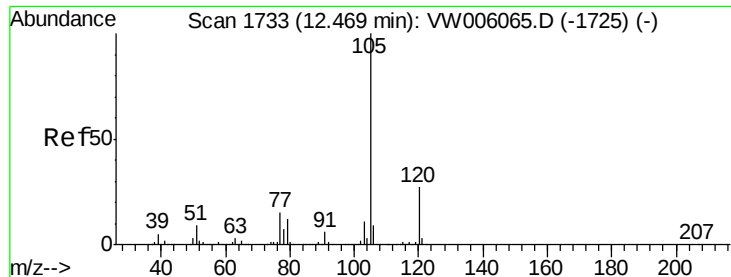
115 54.7 27.8 83.3

150 166.1 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: 21.835 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

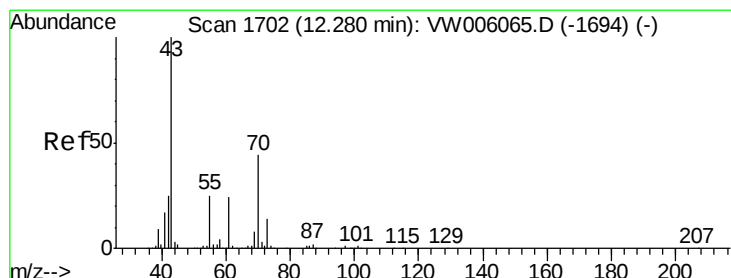
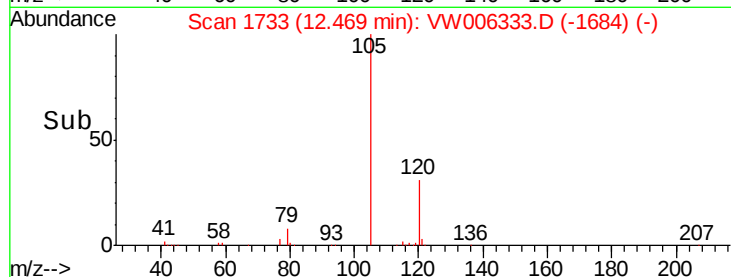
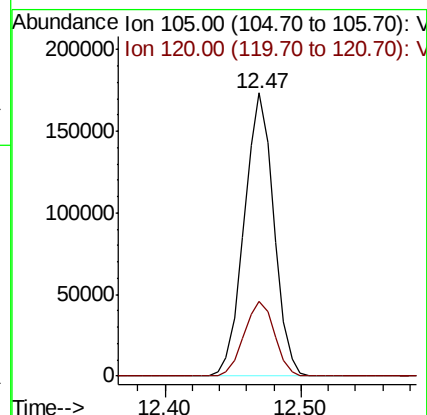
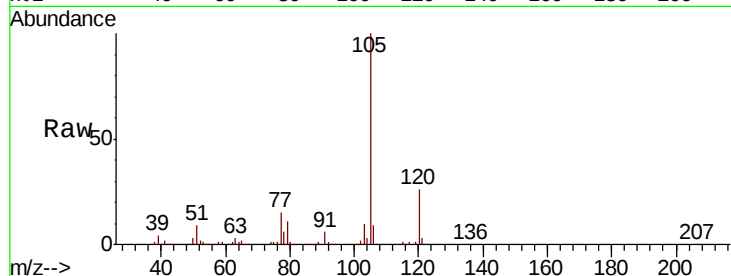
VW1024SBS01

Tot Ion:105 Resp: 263842

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 20.289 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Tgt Ion: 43 Resp: 47617

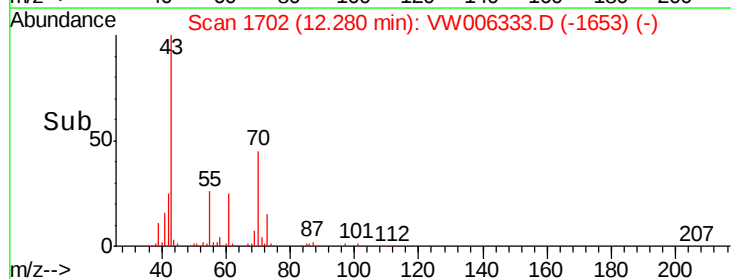
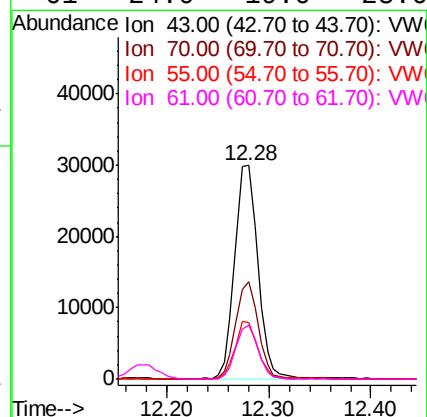
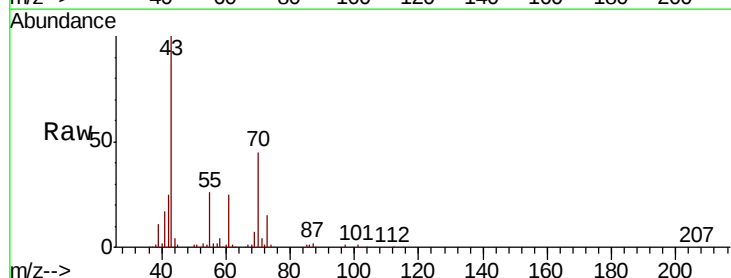
Ion Ratio Lower Upper

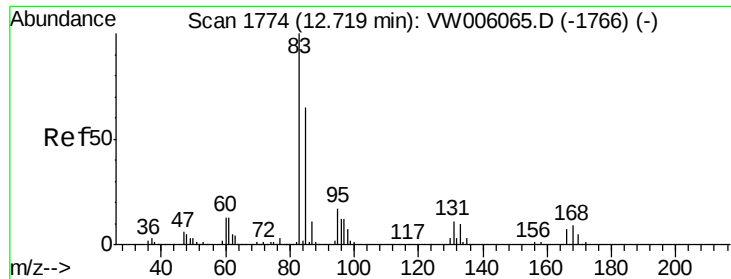
43 100

70 43.5 34.2 51.4

55 26.3 19.2 28.8

61 24.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.158 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

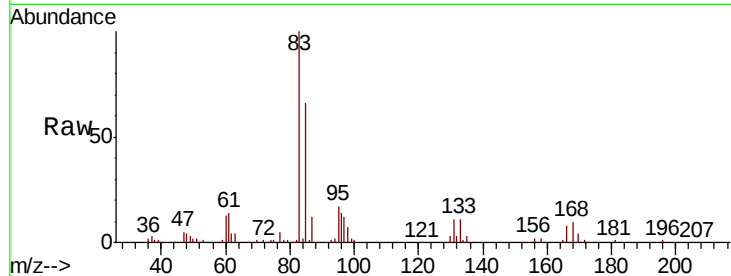
Tot Ion: 83 Resp: 42561

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

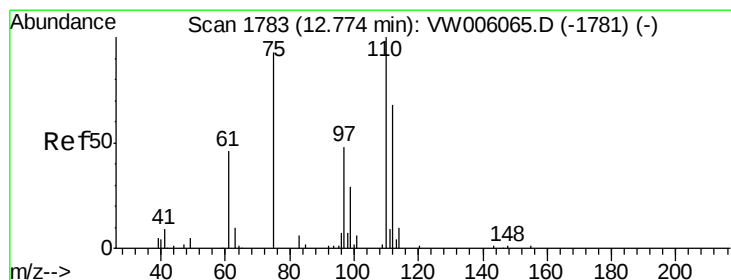
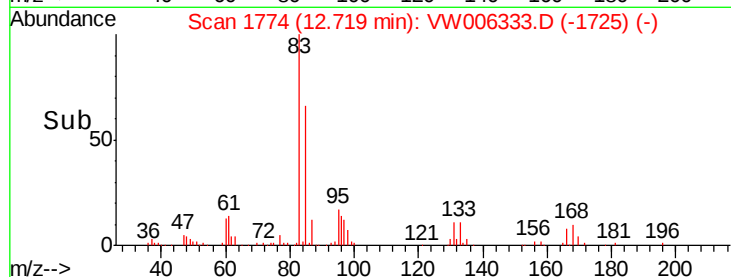
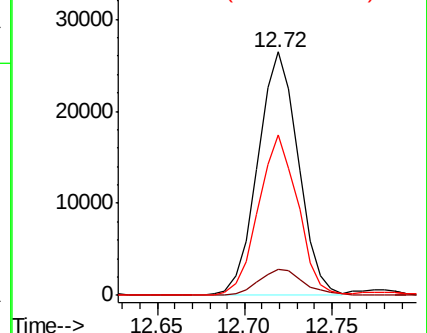
85 64.1 31.9 95.9



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: 39.949 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006333.D

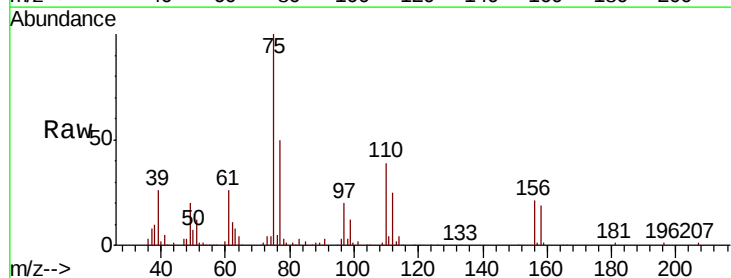
Acq: 24 Oct 2018 23:45

Tgt Ion: 75 Resp: 52190

Ion Ratio Lower Upper

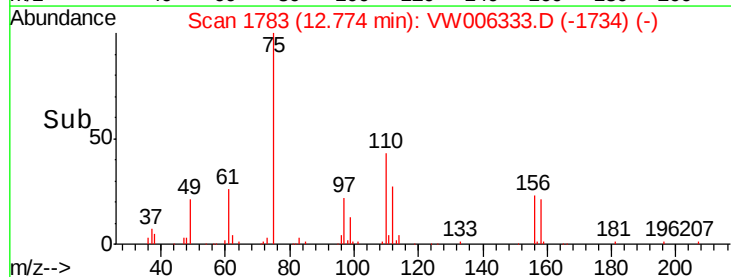
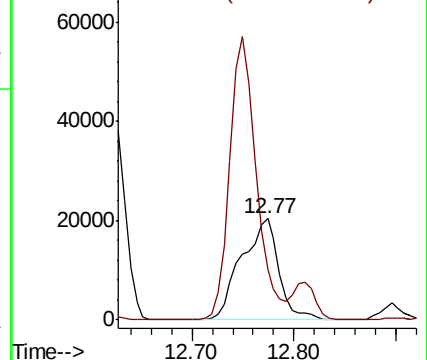
75 100

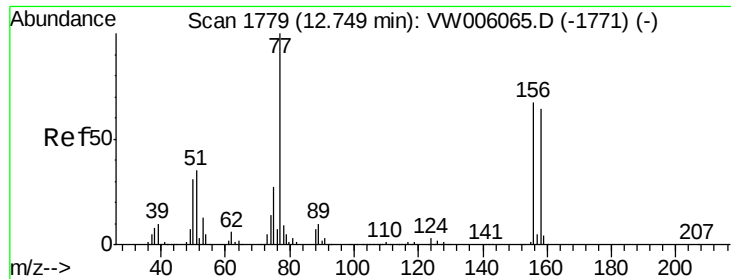
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.427 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

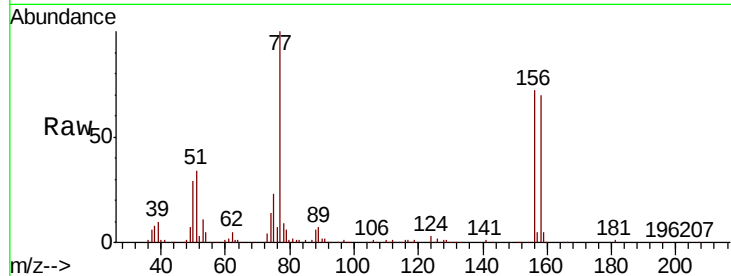
Tot Ion:156 Resp: 66377

Ion Ratio Lower Upper

156 100

77 156.6 79.1 237.4

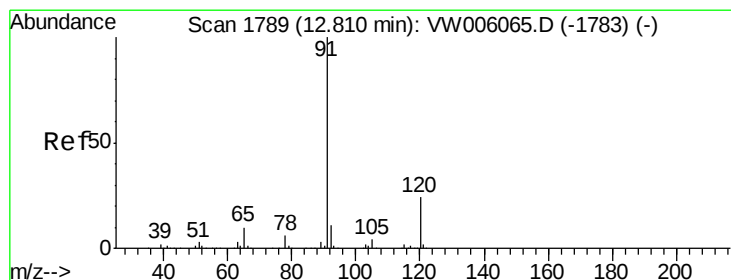
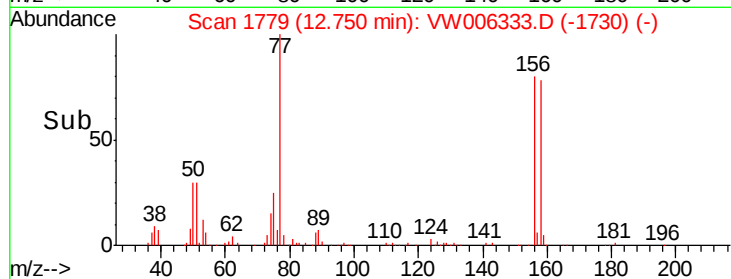
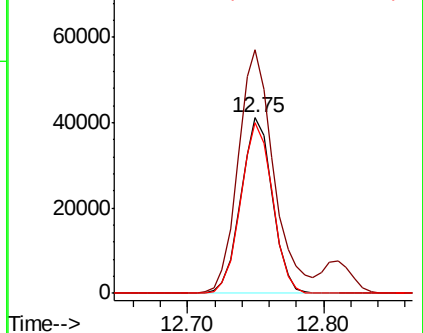
158 98.0 48.5 145.6



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: 22.040 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006333.D

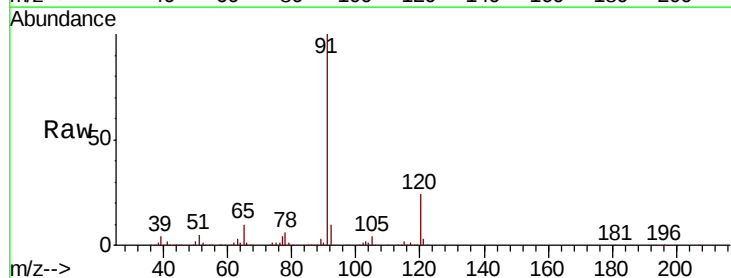
Acq: 24 Oct 2018 23:45

Tgt Ion: 91 Resp: 309844

Ion Ratio Lower Upper

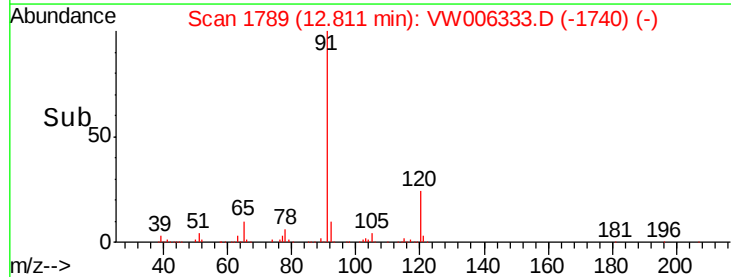
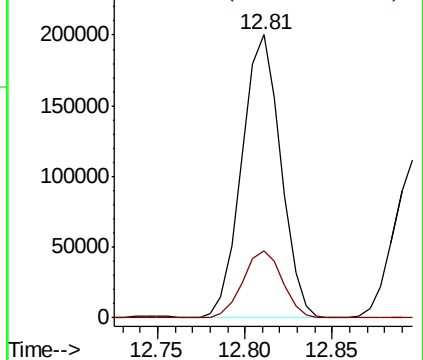
91 100

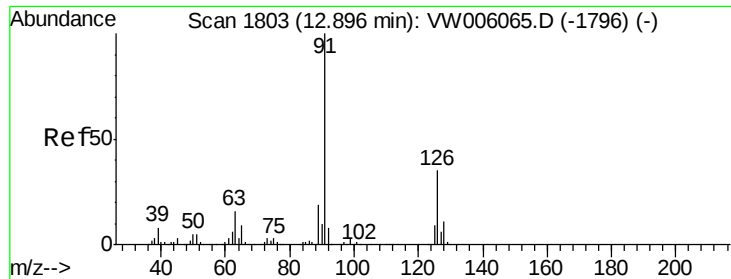
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

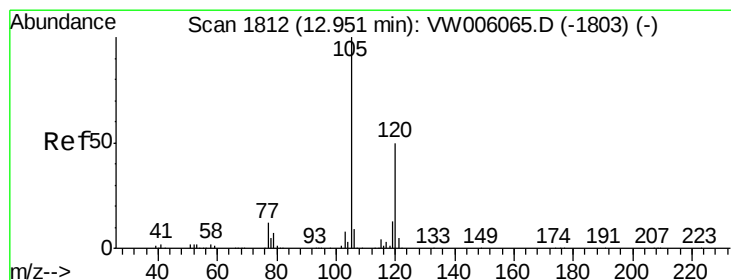
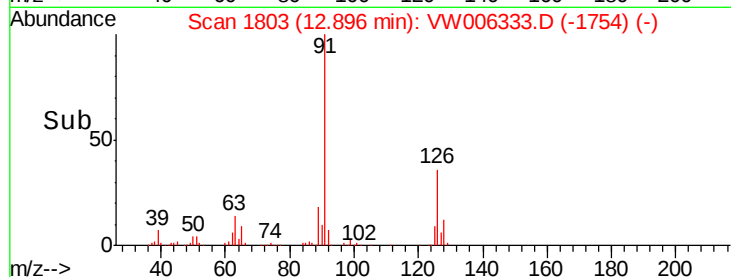
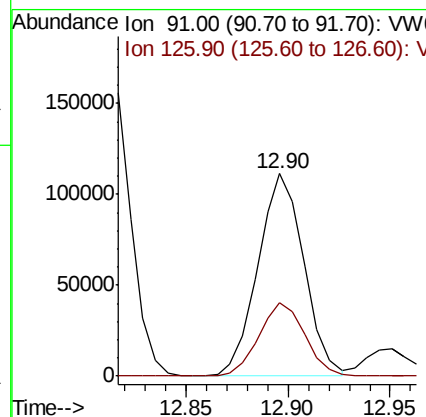
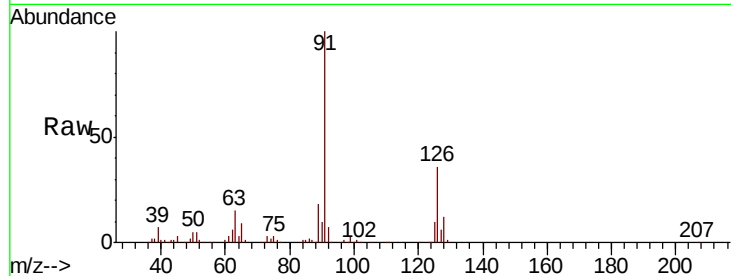




#79
 2-Chlorotoluene
 Concen: 22.138 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

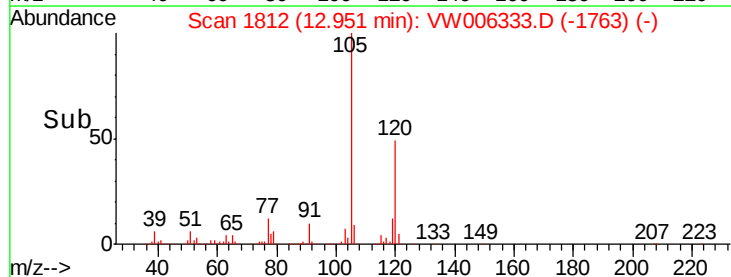
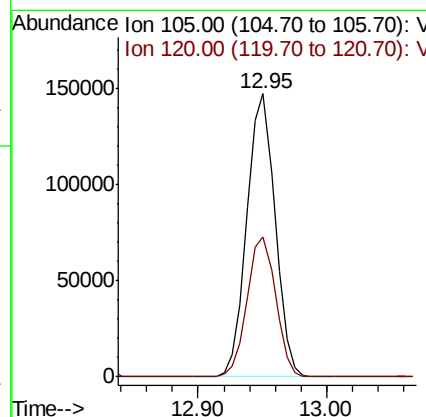
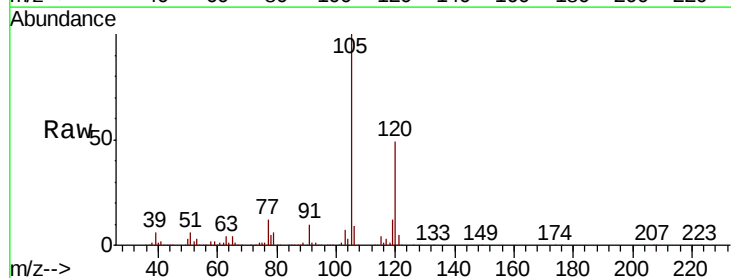
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion: 91 Resp: 174865
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.851 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion: 105 Resp: 222590
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6

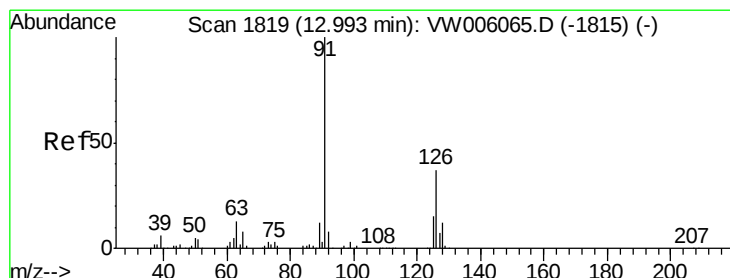
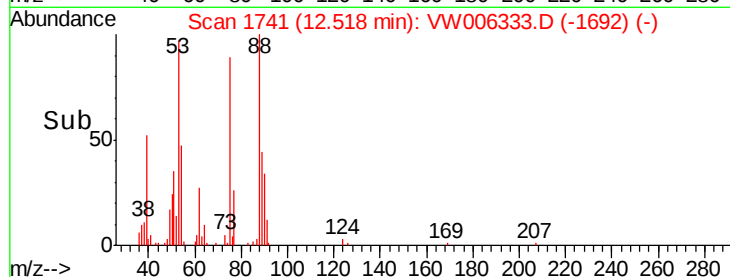
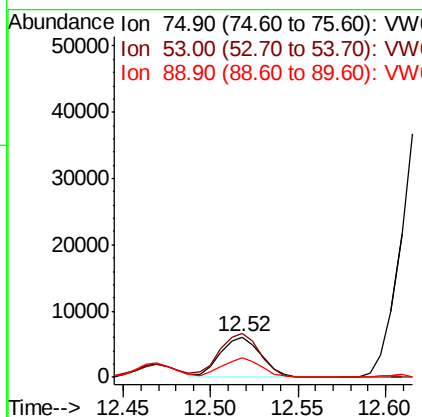
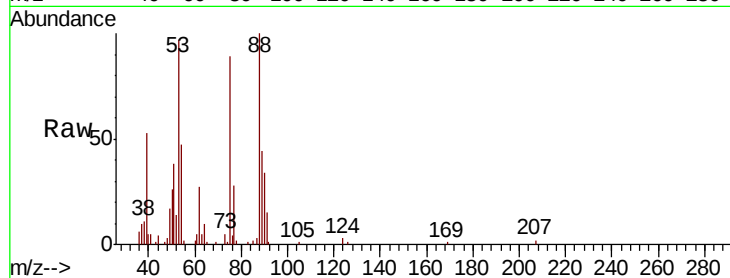




#81
trans-1,4-Dichloro-2-butene
Concen: 18.027 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

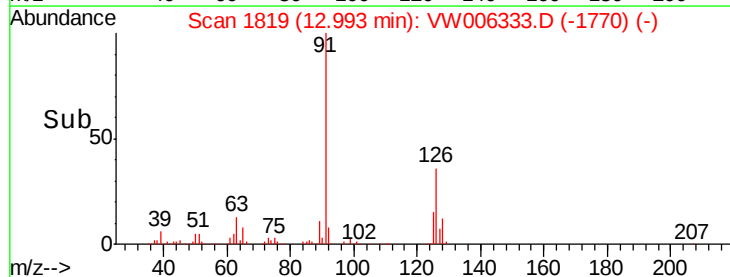
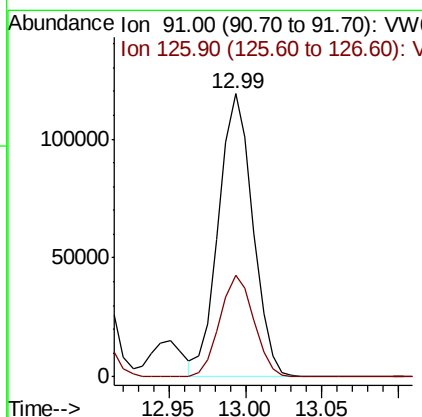
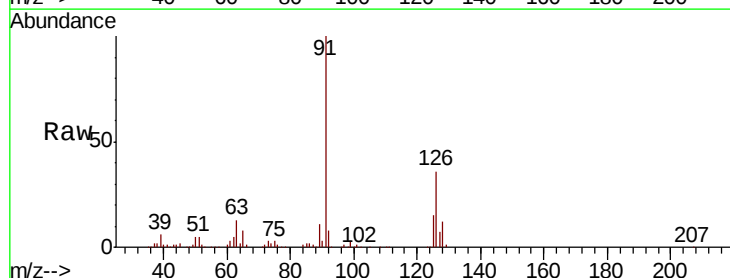
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

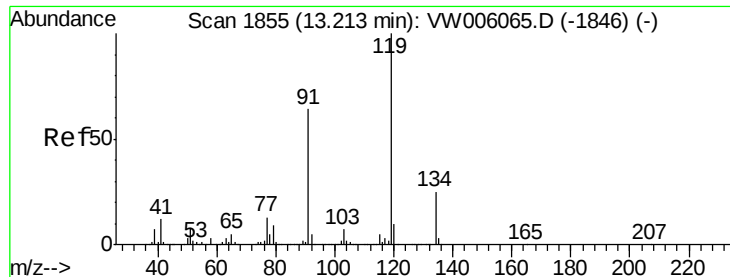
Tot Ion: 75 Resp: 9852
Ion Ratio Lower Upper
75 100
53 110.2 79.8 119.6
89 45.6 37.5 56.3



#82
4-Chlorotoluene
Concen: 22.382 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion: 91 Resp: 185189
Ion Ratio Lower Upper
91 100
126 36.0 18.1 54.3





#83

tert-Butylbenzene

Concen: 22.009 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

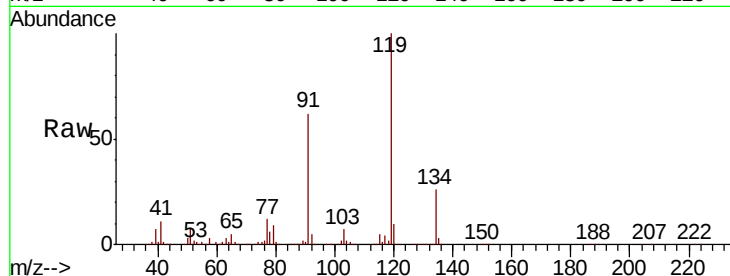
Tot Ion:119 Resp: 200589

Ion Ratio Lower Upper

119 100

91 61.9 32.3 96.9

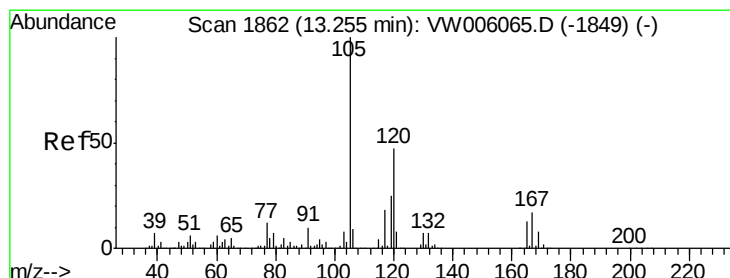
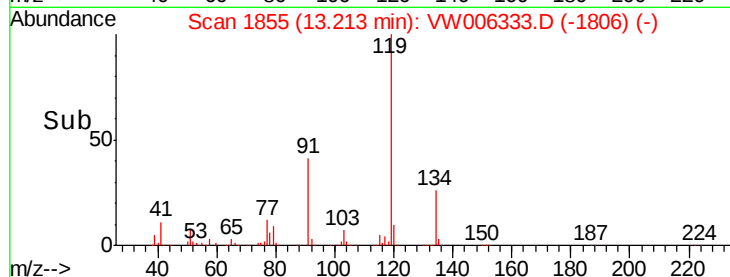
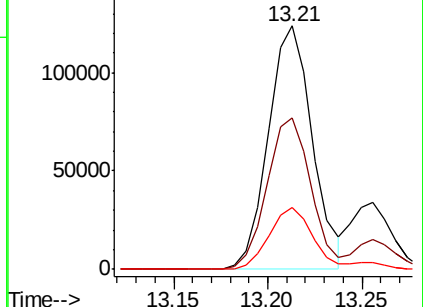
134 25.2 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.172 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006333.D

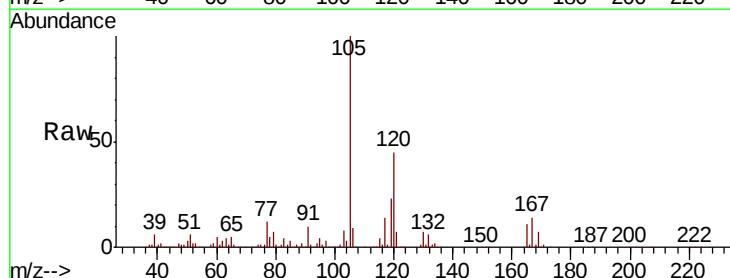
Acq: 24 Oct 2018 23:45

Tgt Ion:105 Resp: 228545

Ion Ratio Lower Upper

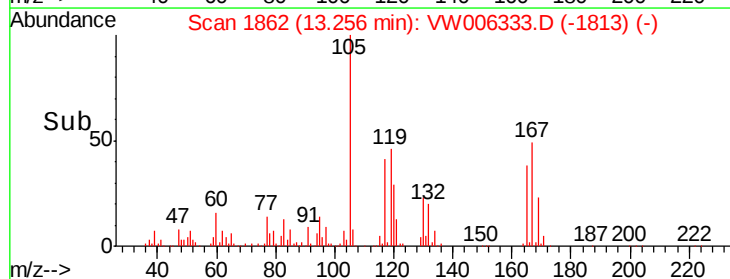
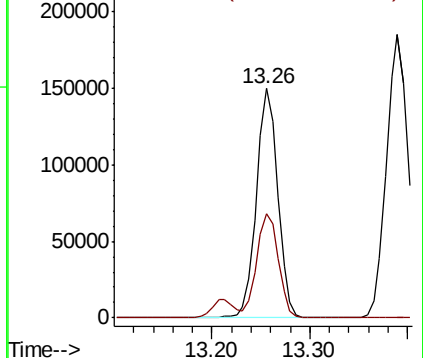
105 100

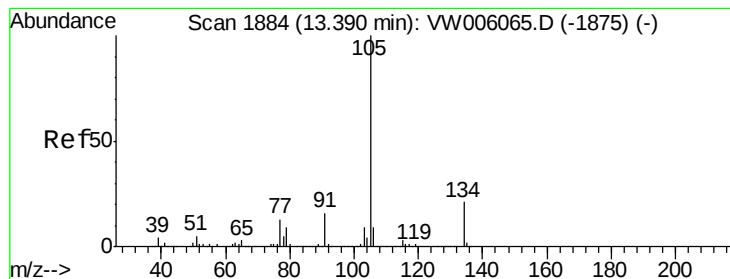
120 45.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.934 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

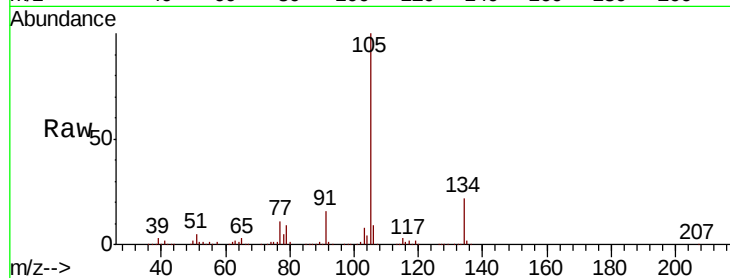
VW1024SBS01

Tot Ion:105 Resp: 282414

Ion Ratio Lower Upper

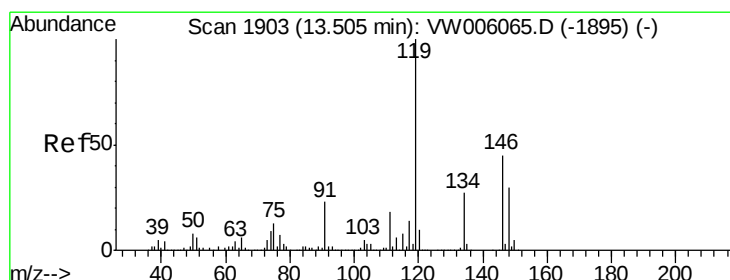
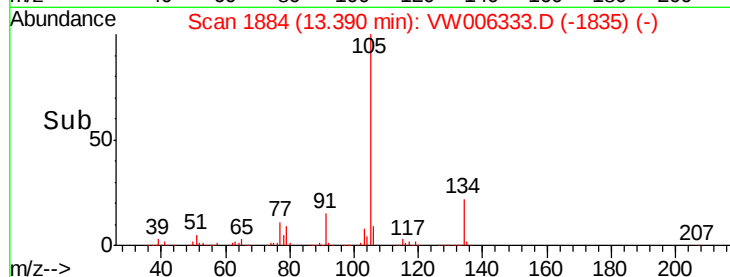
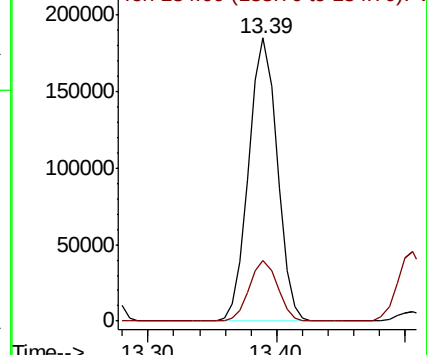
105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.758 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

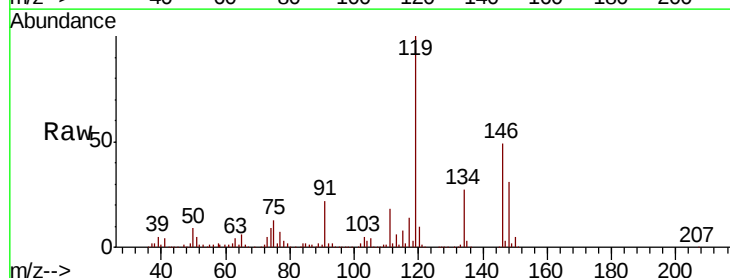
Tgt Ion:119 Resp: 253401

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

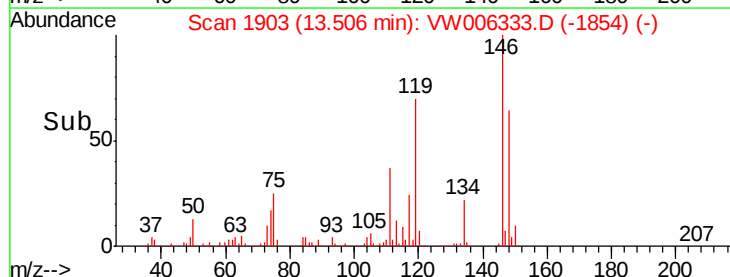
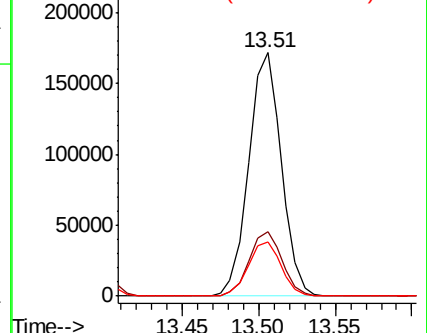
91 22.7 11.4 34.1

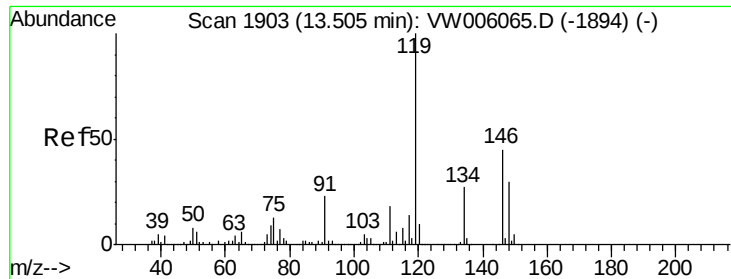


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.755 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

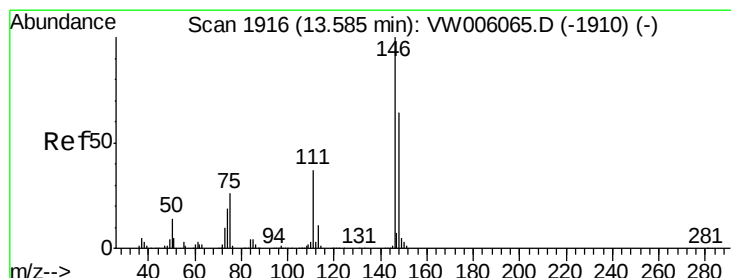
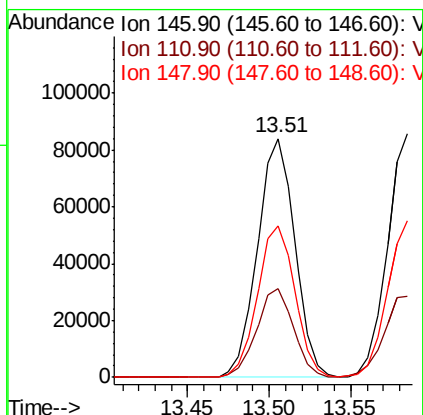
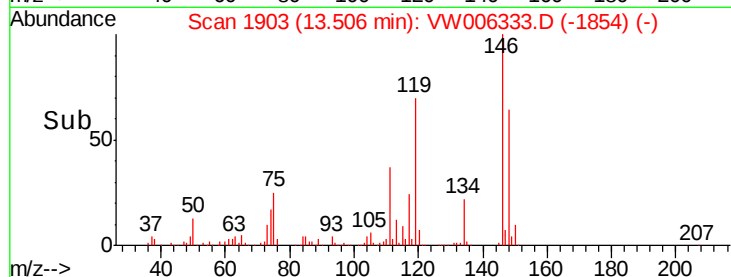
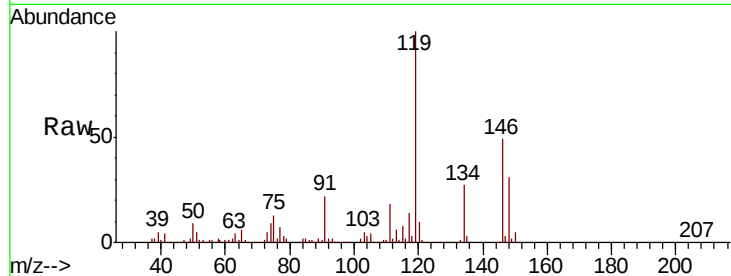
Tot Ion:146 Resp: 134034

Ion Ratio Lower Upper

146 100

111 36.9 19.1 57.5

148 63.7 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 22.695 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

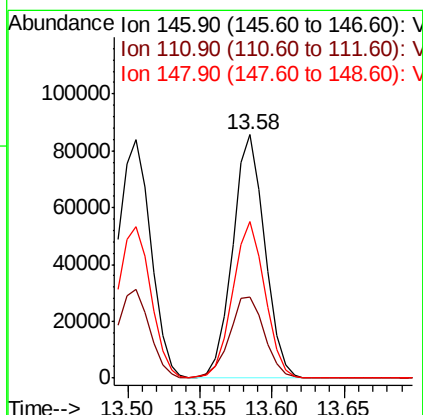
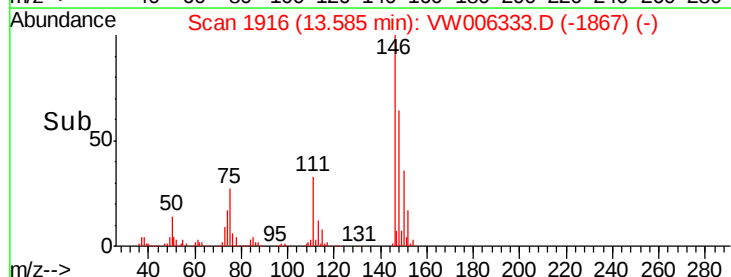
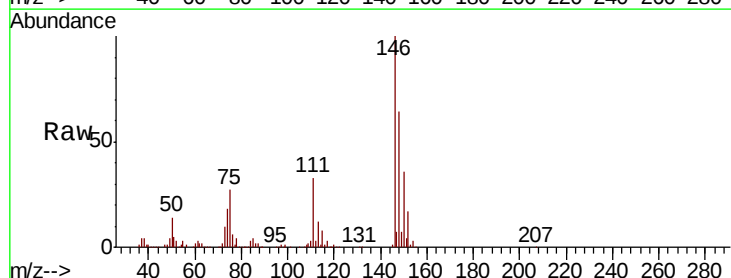
Tgt Ion:146 Resp: 133096

Ion Ratio Lower Upper

146 100

111 36.4 18.6 56.0

148 64.5 32.1 96.5





#89

n-Butylbenzene

Concen: 21.856 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

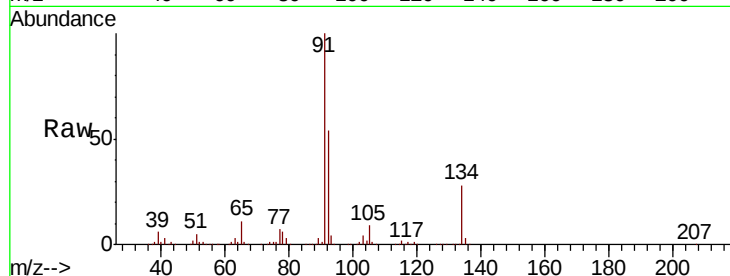
Tot Ion: 91 Resp: 232779

Ion Ratio Lower Upper

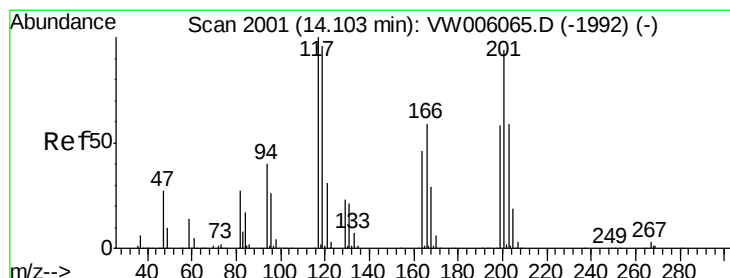
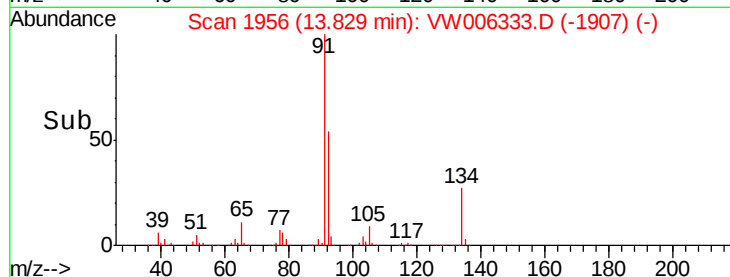
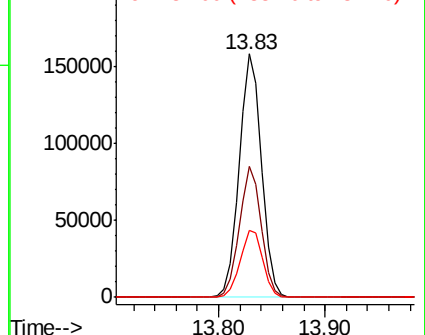
91 100

92 52.6 26.6 79.7

134 28.1 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: 19.796 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006333.D

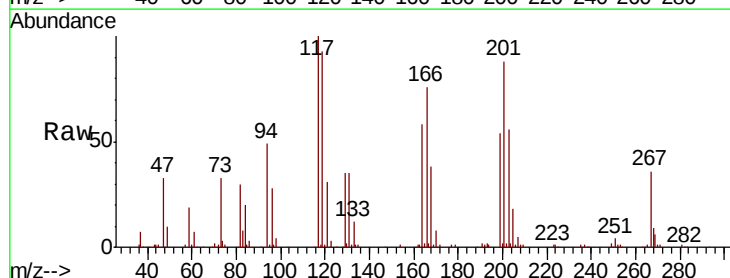
Acq: 24 Oct 2018 23:45

Tgt Ion: 117 Resp: 39050

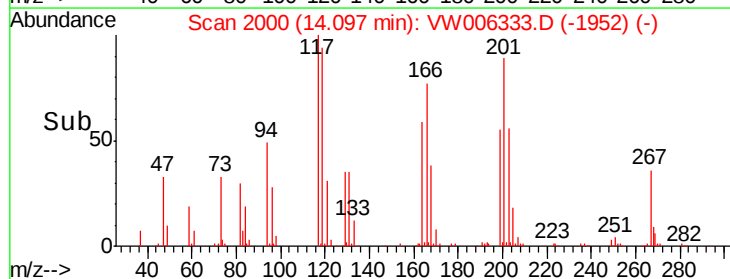
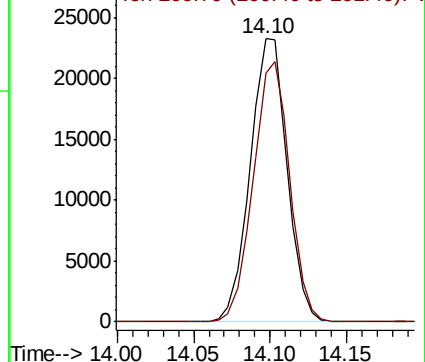
Ion Ratio Lower Upper

117 100

201 91.2 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: 22.618 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

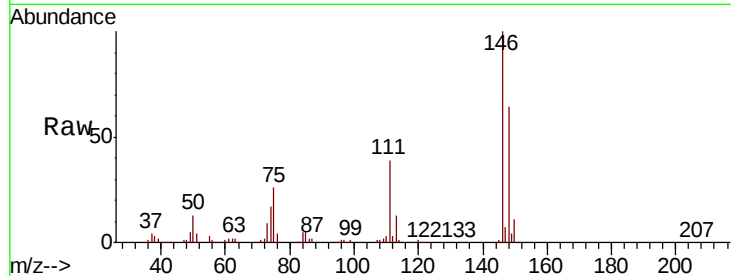
Tot Ion:146 Resp: 118837

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

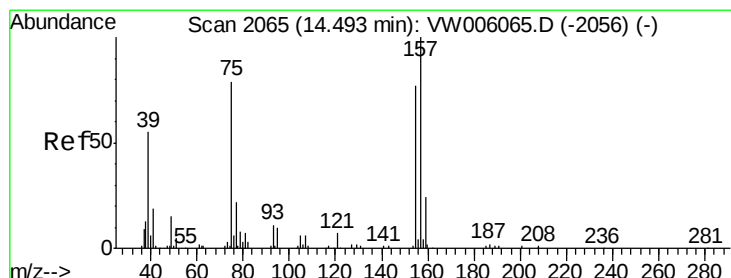
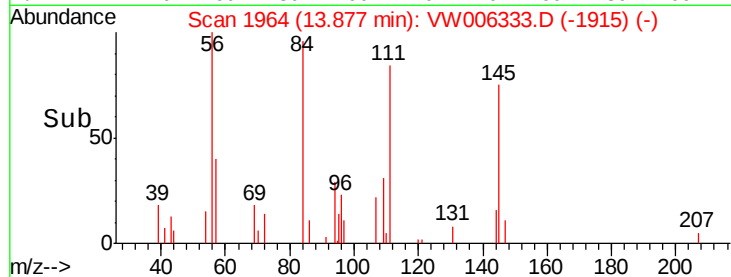
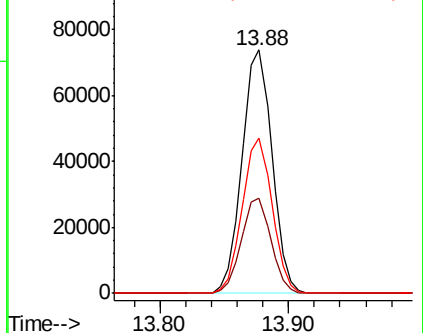
148 63.6 32.2 96.6



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: 20.161 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006333.D

Acq: 24 Oct 2018 23:45

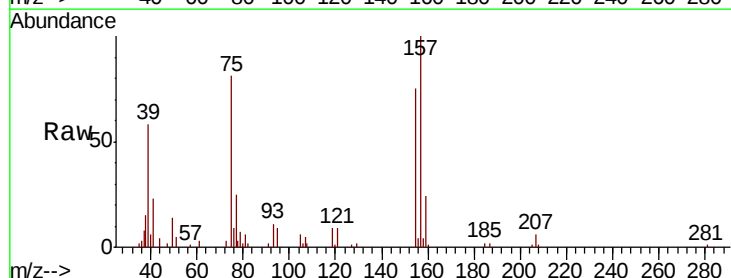
Tgt Ion: 75 Resp: 6634

Ion Ratio Lower Upper

75 100

155 95.8 46.5 139.5

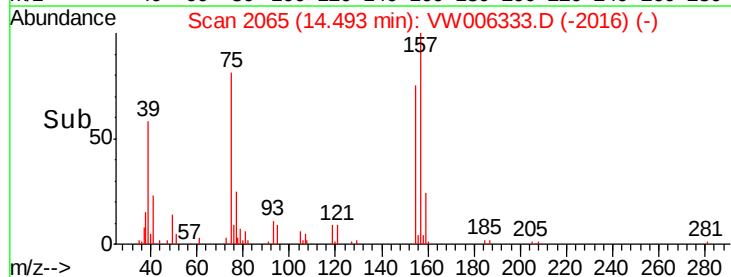
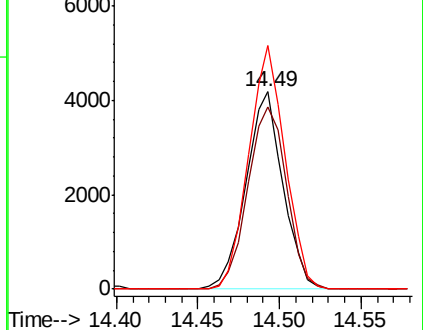
157 120.4 59.8 179.4

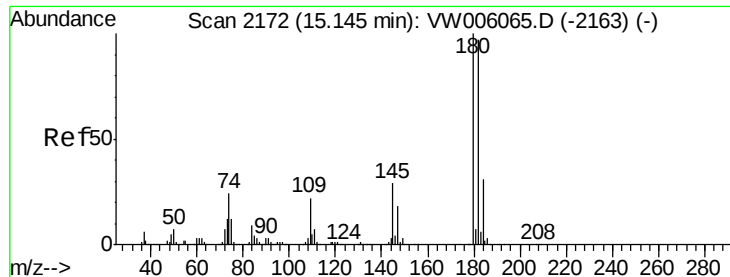


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

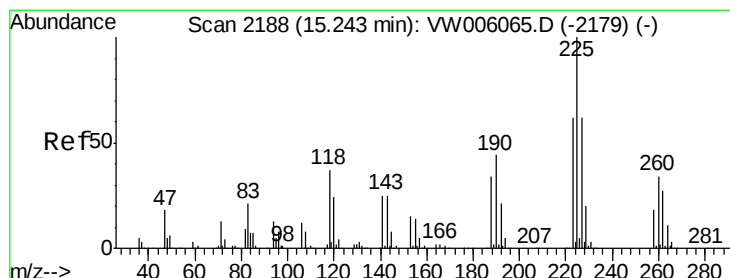
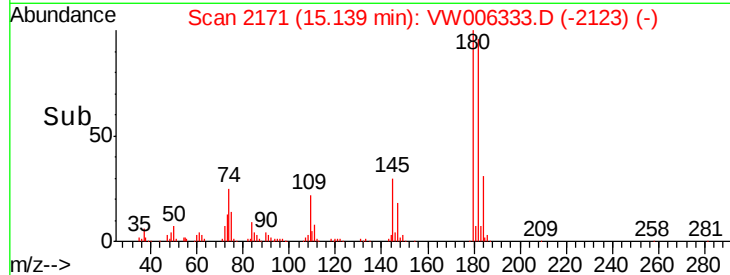
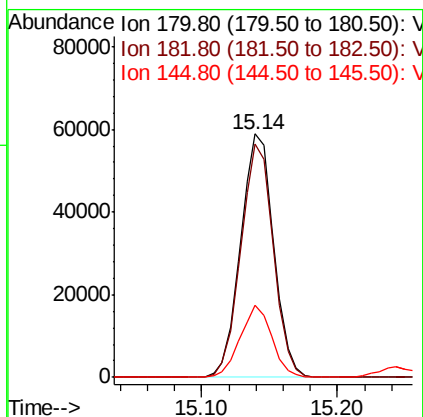
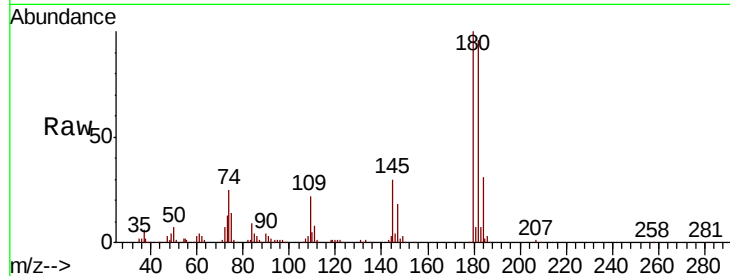




#93
 1,2,4-Trichlorobenzene
 Concen: 24.659 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

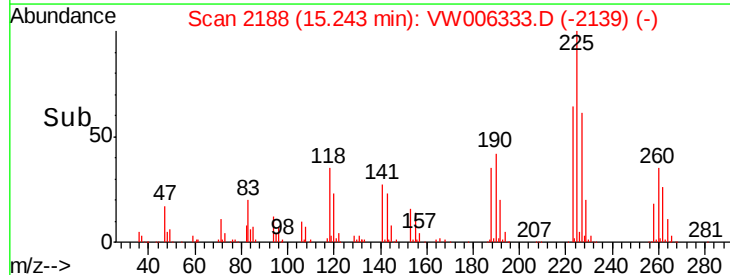
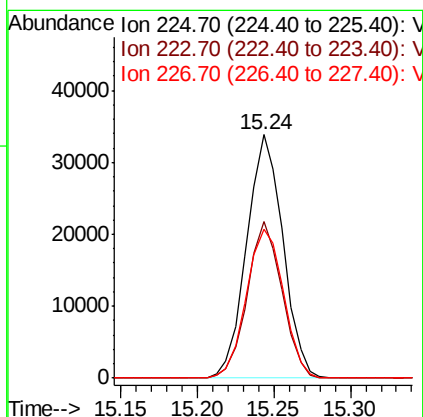
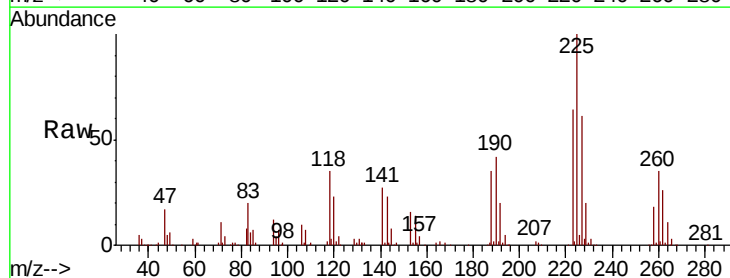
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

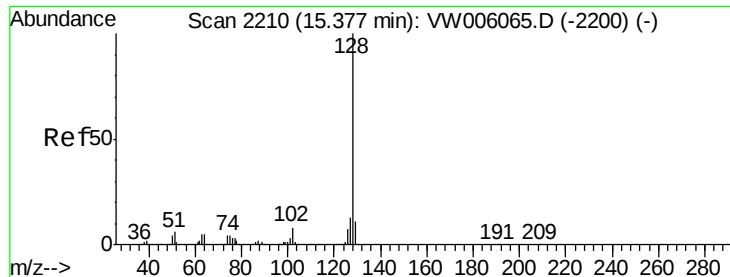
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	28.5	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 21.991 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006333.D
 Acq: 24 Oct 2018 23:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.1	93.5
227	62.8	32.4	97.0

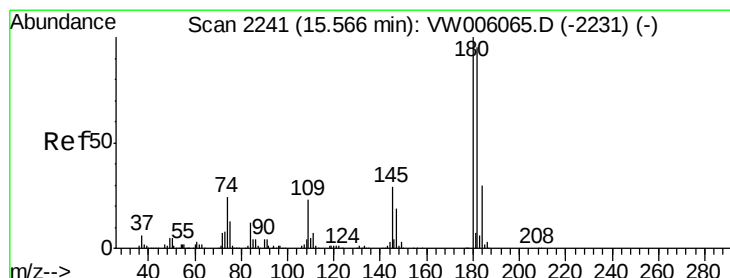
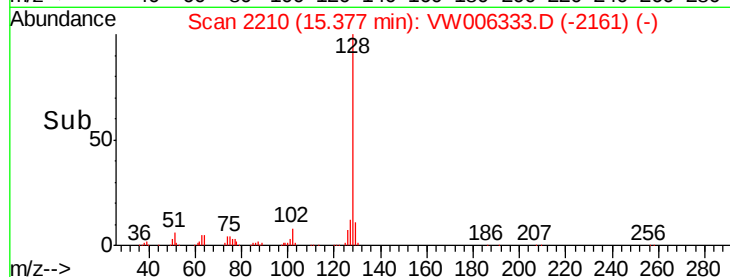
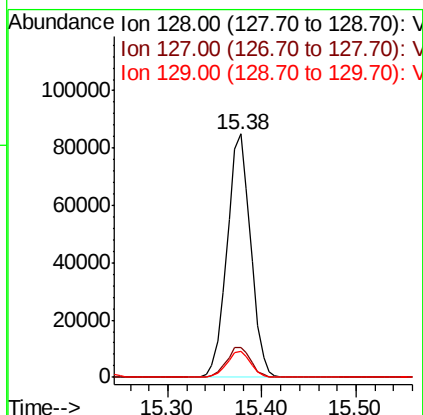
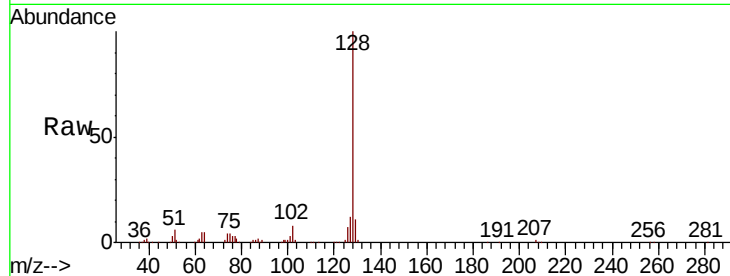




#95
Naphthalene
Concen: 21.860 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion:128 Resp: 147009
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.864 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006333.D
Acq: 24 Oct 2018 23:45

Tgt Ion:180 Resp: 79947
Ion Ratio Lower Upper
180 100
182 96.7 47.8 143.3
145 30.1 15.0 45.1

