

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003920.D
 Acq On : 13 Jul 2018 16:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:52:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164365	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	134624	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
35) Dibromofluoromethane	7.88	113	122048	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.32	98	482333	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.62	95	172258	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	49023	45.123	ug/l	98
3) Chloromethane	2.21	50	88485	42.901	ug/l	94
4) Vinyl Chloride	2.36	62	125606	46.172	ug/l	100
5) Bromomethane	2.78	94	74609	38.853	ug/l	100
6) Chloroethane	2.92	64	76644	46.979	ug/l	98
7) Trichlorofluoromethane	3.25	101	64979	59.127	ug/l	95
8) Diethyl Ether	3.68	74	56148	49.853	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	116275	54.405	ug/l	98
10) Methyl Iodide	4.26	142	169146	53.170	ug/l	100
11) Tert butyl alcohol	5.24	59	36235	228.881	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	114389	54.510	ug/l	93
13) Acrolein	3.90	56	53147	254.196	ug/l	100
14) Allyl chloride	4.66	41	204116	55.946	ug/l	98
15) Acrylonitrile	5.38	53	134591	238.635	ug/l	99
16) Acetone	4.15	43	147425	290.874	ug/l	100
17) Carbon Disulfide	4.37	76	341481	49.636	ug/l	99
18) Methyl Acetate	4.67	43	68731	48.099	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	222988	51.424	ug/l	100
20) Methylene Chloride	4.91	84	132455	53.973	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	126573	50.949	ug/l	98
22) Diisopropyl ether	6.31	45	418956	52.233	ug/l	98
23) Vinyl Acetate	6.26	43	1213664	247.872	ug/l	100
24) 1,1-Dichloroethane	6.21	63	241436	49.769	ug/l	99
25) 2-Butanone	7.18	43	191846	241.668	ug/l	100
26) 2,2-Dichloropropane	7.17	77	149652	56.875	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138596	50.449	ug/l	99
28) Bromochloromethane	7.51	49	99875	46.215	ug/l	99
29) Tetrahydrofuran	7.54	42	116622	228.530	ug/l	99
30) Chloroform	7.68	83	243689	49.243	ug/l	99
31) Cyclohexane	7.95	56	217047	50.915	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	196452	52.160	ug/l	100
36) 1,1-Dichloropropene	8.08	75	195633	54.111	ug/l	100
37) Ethyl Acetate	7.26	43	82157	46.703	ug/l	100
38) Carbon Tetrachloride	8.07	117	187223	54.466	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	229525	57.966	ug/l	99
40) Benzene	8.32	78	541693	52.409	ug/l	100
41) Methacrylonitrile	7.49	41	52365	51.748	ug/l	94
42) 1,2-Dichloroethane	8.40	62	161325	48.227	ug/l	100
43) Isopropyl Acetate	8.43	43	158589	47.567	ug/l	98
44) Trichloroethene	9.09	130	136923	52.547	ug/l	99
45) 1,2-Dichloropropane	9.37	63	139467	51.895	ug/l	99
46) Dibromomethane	9.46	93	68564	48.520	ug/l	98
47) Bromodichloromethane	9.65	83	177647	51.101	ug/l	98
48) Methyl methacrylate	9.44	41	78416	49.386	ug/l	99
49) 1,4-Dioxane	9.49	88	20793	984.531	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	422127	244.671	ug/l	100
52) Toluene	10.39	92	342928	53.506	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	182193	52.490	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	210869	53.817	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	96482	49.160	ug/l	97
56) Ethyl methacrylate	10.65	69	123168	51.427	ug/l	97
57) 1,3-Dichloropropane	10.93	76	169918	49.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	322398	255.367	ug/l	100
59) 2-Hexanone	10.98	43	299441	252.751	ug/l	100
60) Dibromochloromethane	11.13	129	115561	50.441	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90533	48.236	ug/l	99
64) Tetrachloroethene	10.87	164	116604	50.579	ug/l	97
65) Chlorobenzene	11.66	112	361895	52.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	128085	53.348	ug/l	98
67) Ethyl Benzene	11.74	91	659098	56.102	ug/l	100
68) m/p-Xylenes	11.85	106	494990	110.028	ug/l	99
69) o-Xylene	12.17	106	230003	55.407	ug/l	98
70) Styrene	12.19	104	396353	56.148	ug/l	100
71) Bromoform	12.35	173	67835	51.196	ug/l #	98
73) Isopropylbenzene	12.47	105	660621	59.348	ug/l	99
74) N-amyl acetate	12.28	43	153833	50.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	114375	50.686	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	152798	94.668	ug/l #	100
77) Bromobenzene	12.76	156	148736	53.823	ug/l	98
78) n-propylbenzene	12.81	91	827500	59.221	ug/l	100
79) 2-Chlorotoluene	12.90	91	459732	57.268	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	559841	58.354	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	35846	54.328	ug/l	97
82) 4-Chlorotoluene	12.99	91	480960	55.716	ug/l	99
83) tert-Butylbenzene	13.21	119	477119	60.302	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	572038	57.395	ug/l	99
85) sec-Butylbenzene	13.39	105	709648	59.957	ug/l	100
86) p-Isopropyltoluene	13.51	119	615200	59.483	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	300551	53.681	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	298666	53.048	ug/l	100
89) n-Butylbenzene	13.83	91	610096	59.969	ug/l	99
90) Hexachloroethane	14.10	117	109807	55.117	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	266466	52.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18370	47.029	ug/l	99

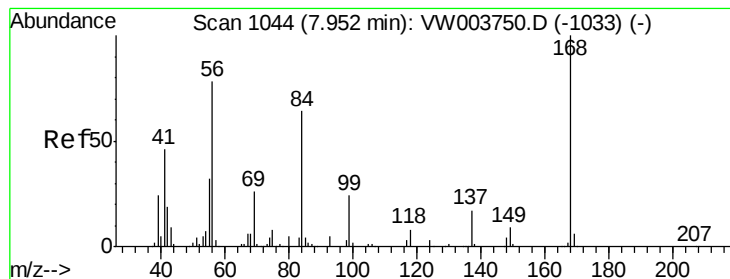
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	186801	54.764	ug/l	98
94) Hexachlorobutadiene	15.25	225	111559	57.178	ug/l	99
95) Naphthalene	15.38	128	333653	54.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	168294	55.102	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

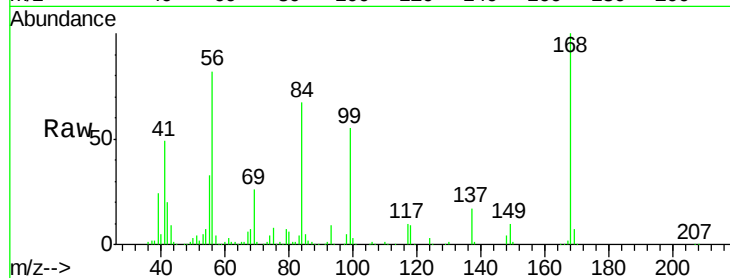
ClientSampleId :

Tot Ion:168 Resp: 223388

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

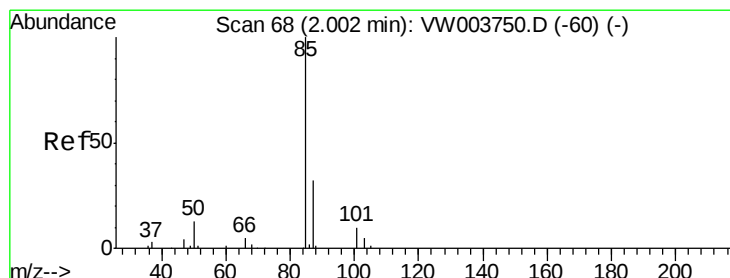
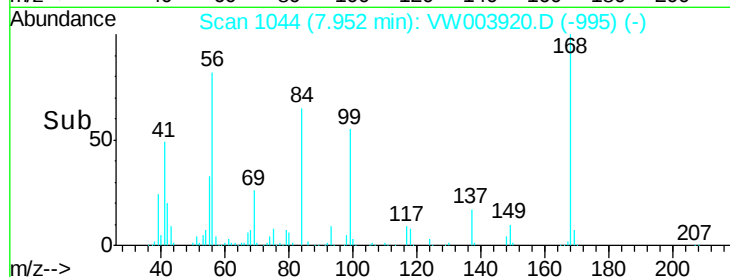
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 45.123 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003920.D

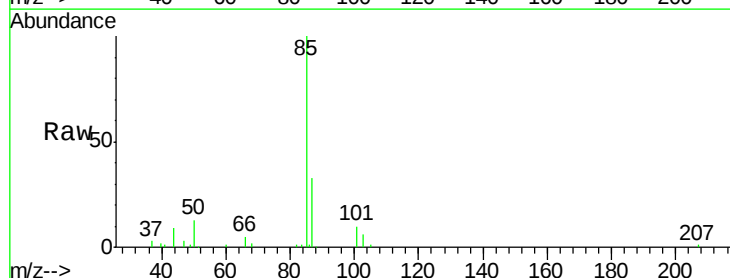
Acq: 13 Jul 2018 16:30

Tgt Ion: 85 Resp: 49023

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

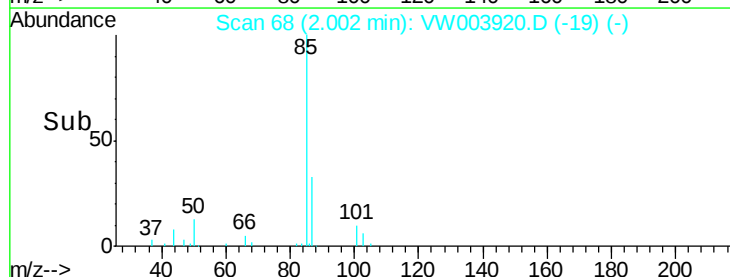
15000

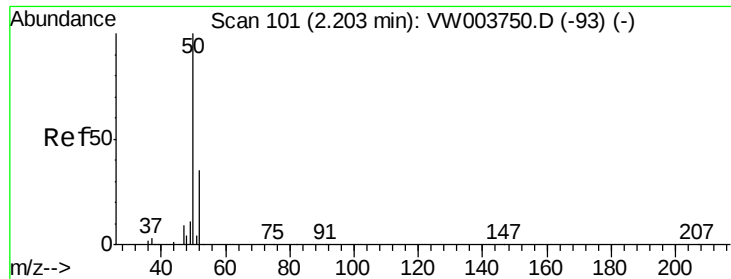
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 42.901 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

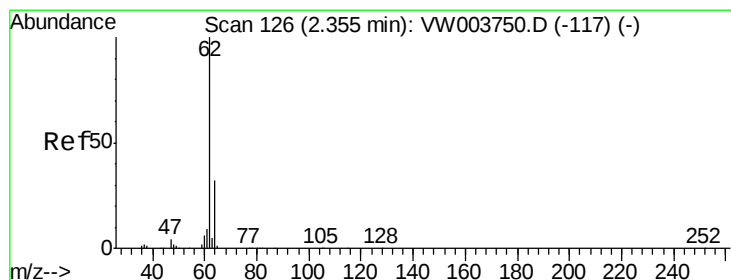
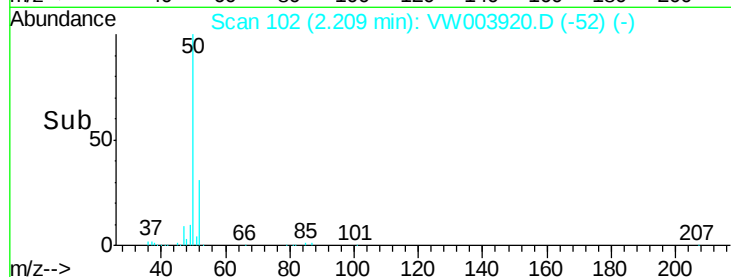
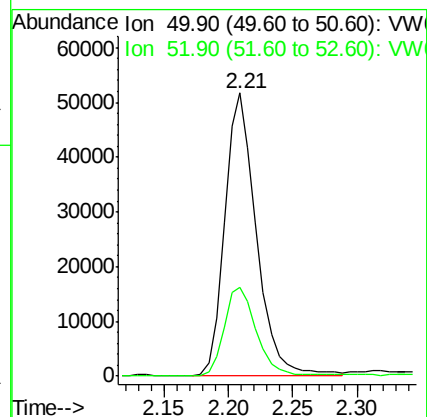
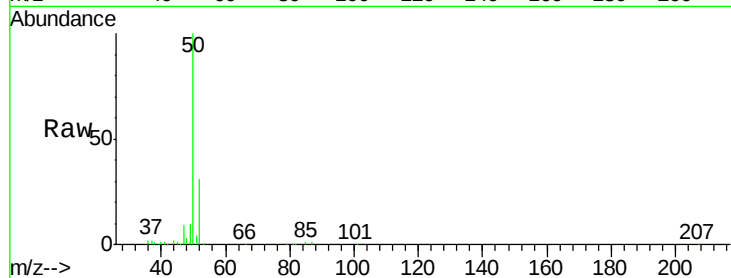
ClientSampleId :

Tot Ion: 50 Resp: 88485

Ion Ratio Lower Upper

50 100

52 31.4 27.8 41.6



#4

Vinyl Chloride

Concen: 46.172 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003920.D

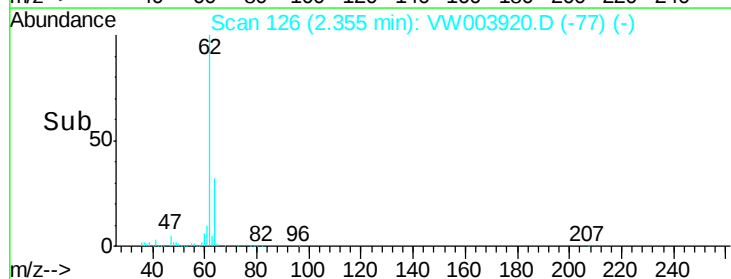
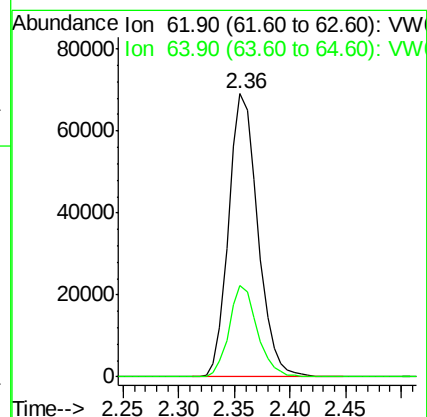
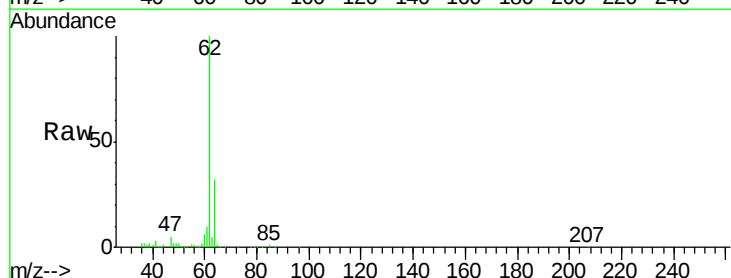
Acq: 13 Jul 2018 16:30

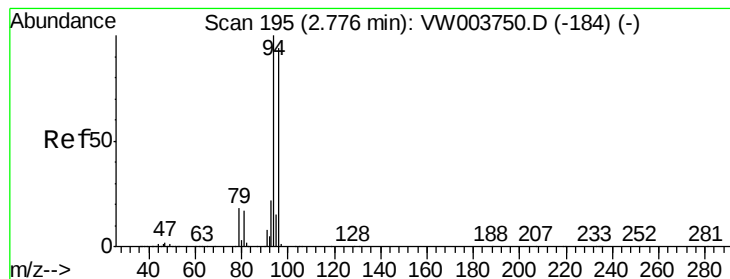
Tgt Ion: 62 Resp: 125606

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 38.853 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

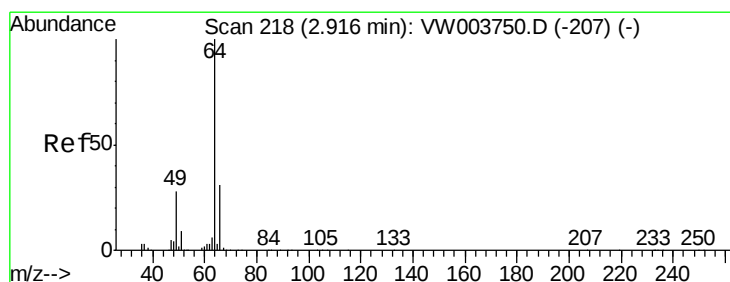
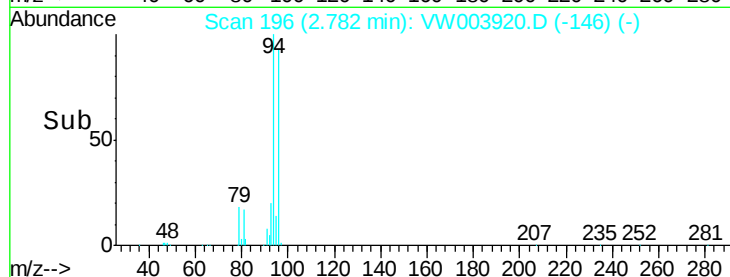
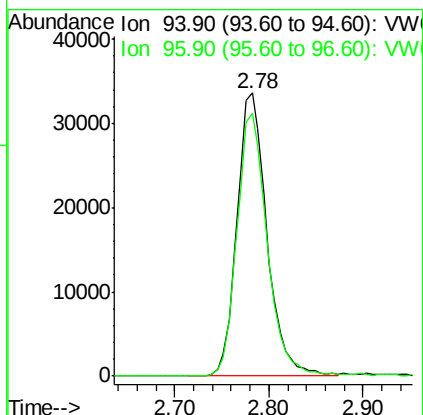
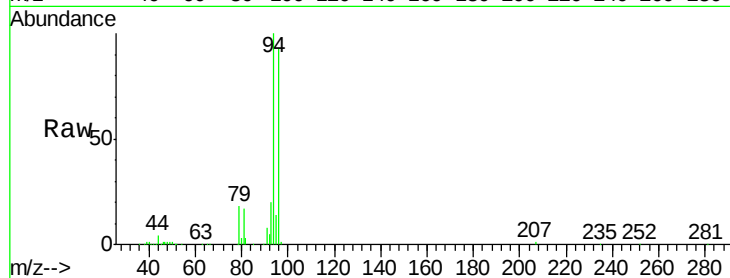
ClientSampled :

Tot Ion: 94 Resp: 74609

Ion Ratio Lower Upper

94 100

96 93.0 74.8 112.2



#6

Chloroethane

Concen: 46.979 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003920.D

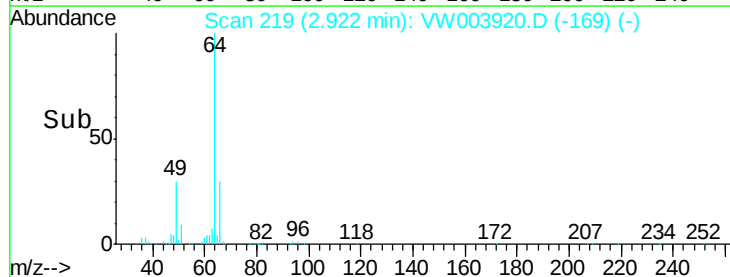
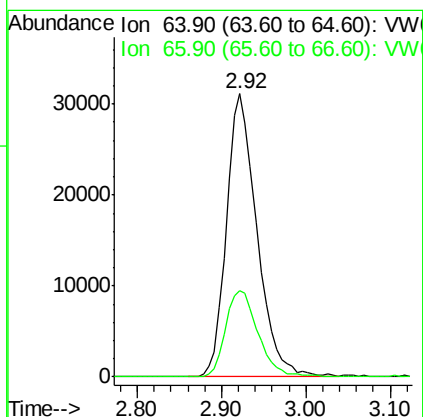
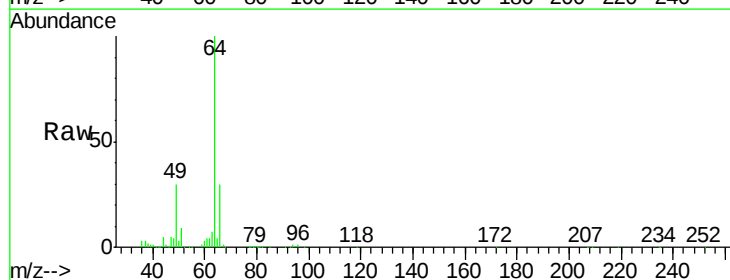
Acq: 13 Jul 2018 16:30

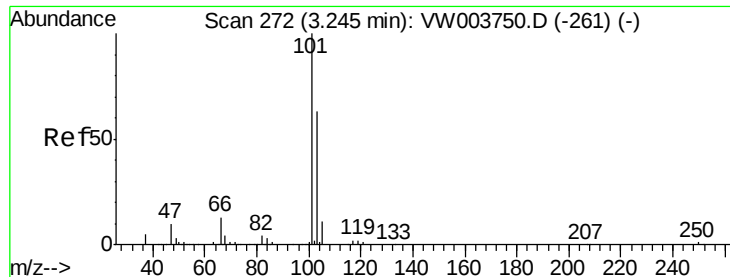
Tgt Ion: 64 Resp: 76644

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7



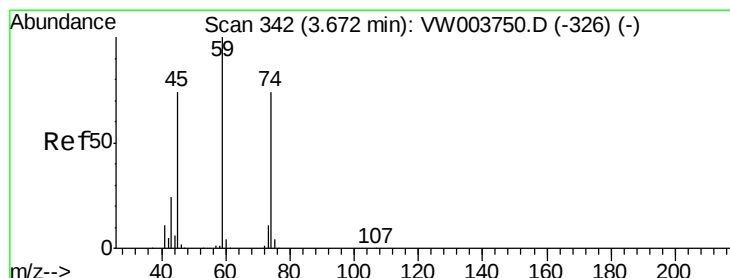
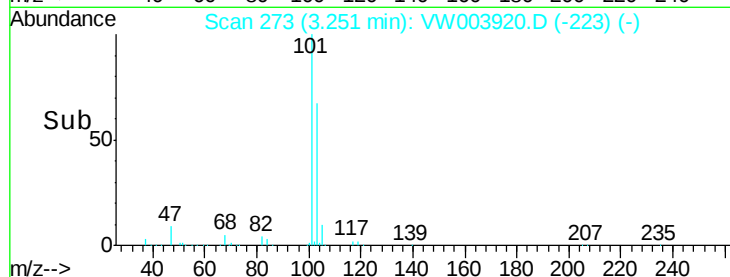
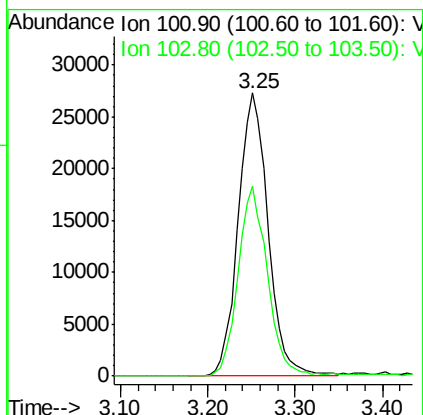
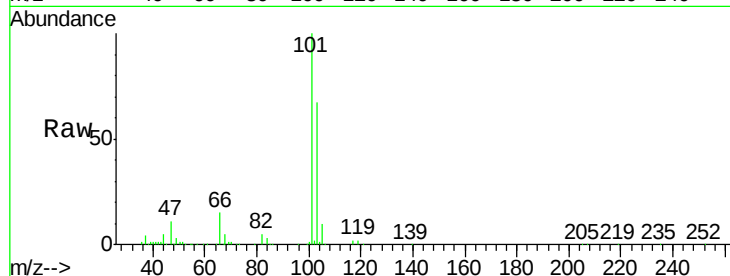


#7

Trichlorofluoromethane
 Concen: 59.127 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :

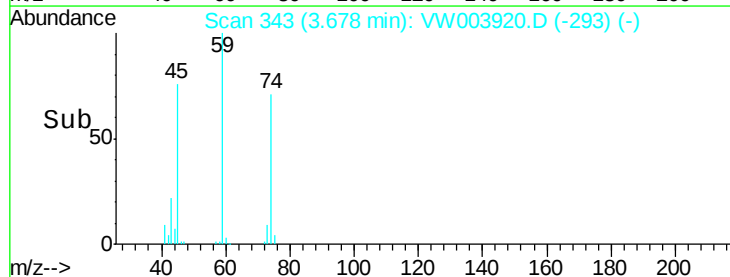
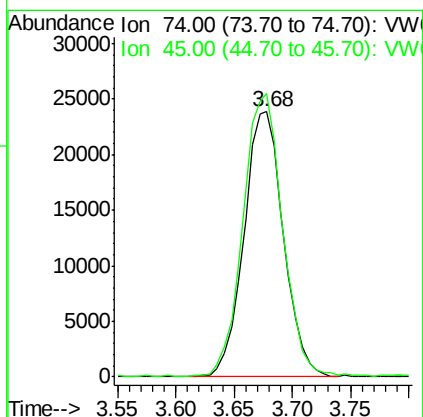
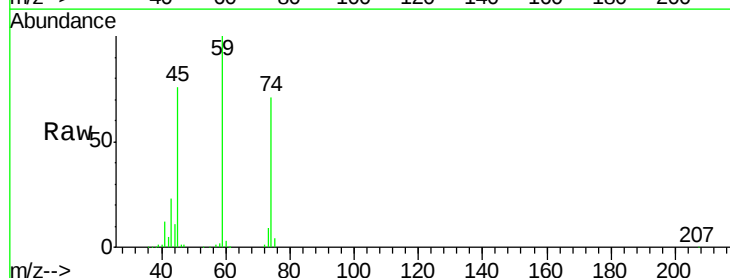
Tot Ion:101 Resp: 64979
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.7 76.1

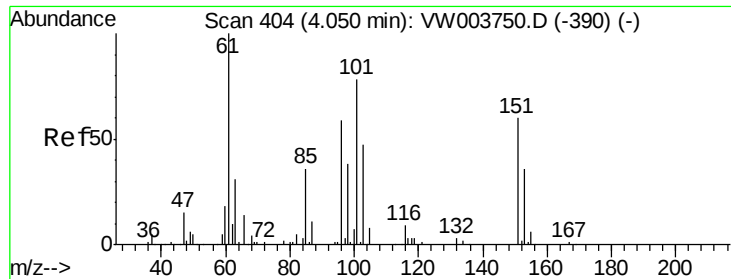


#8

Diethyl Ether
 Concen: 49.853 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 74 Resp: 56148
 Ion Ratio Lower Upper
 74 100
 45 106.6 52.4 157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.405 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

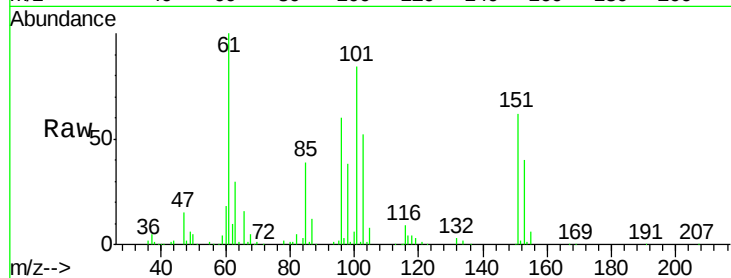
Tot Ion:101 Resp: 116275

Ion Ratio Lower Upper

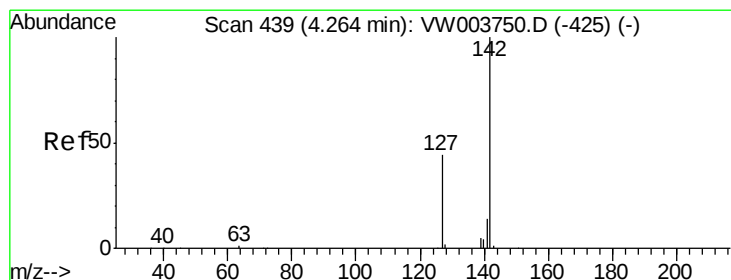
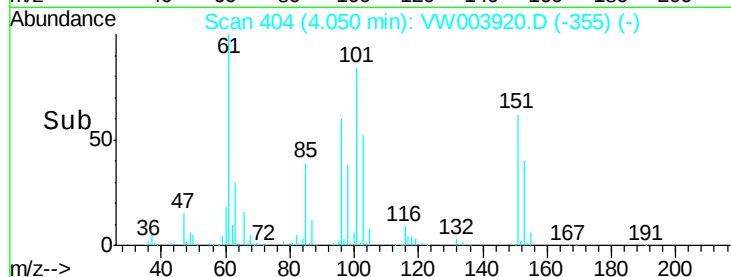
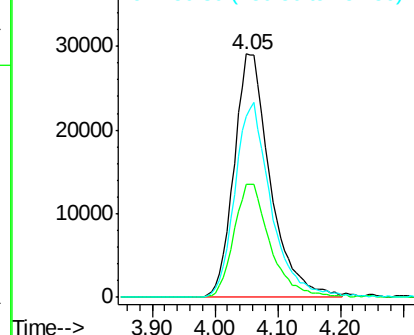
101 100

85 46.9 37.1 55.7

151 80.0 62.3 93.5



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: 53.170 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

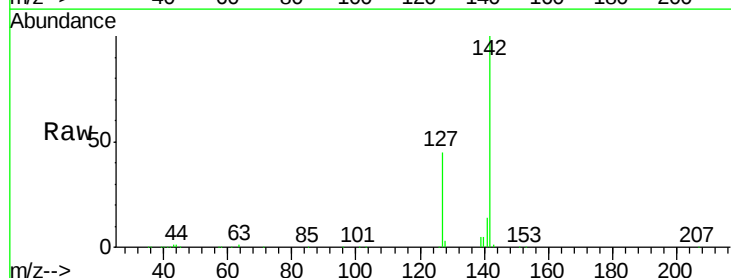
Tgt Ion:142 Resp: 169146

Ion Ratio Lower Upper

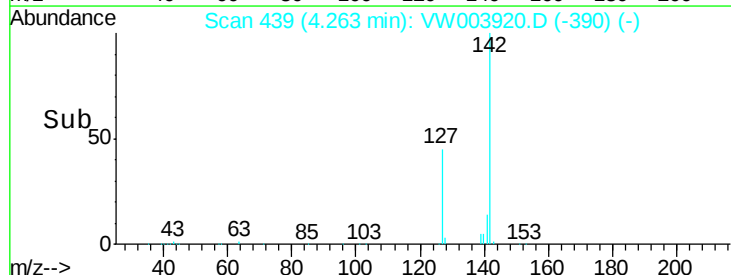
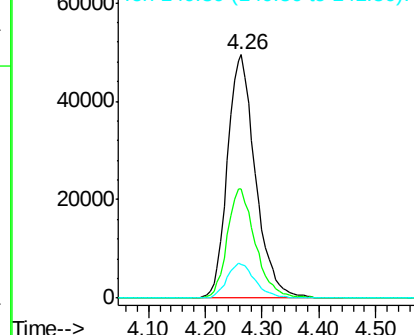
142 100

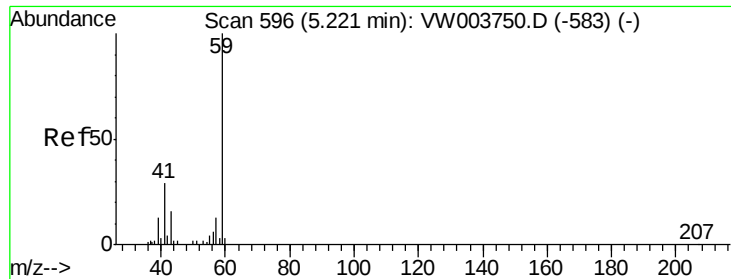
127 45.1 36.1 54.1

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

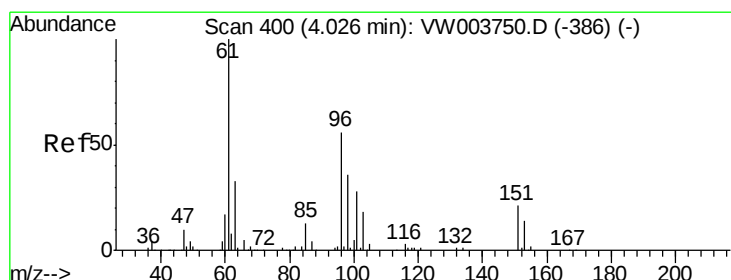
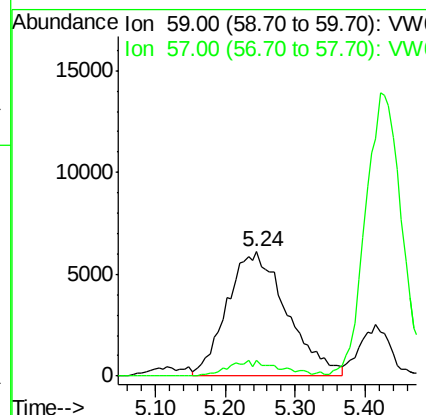
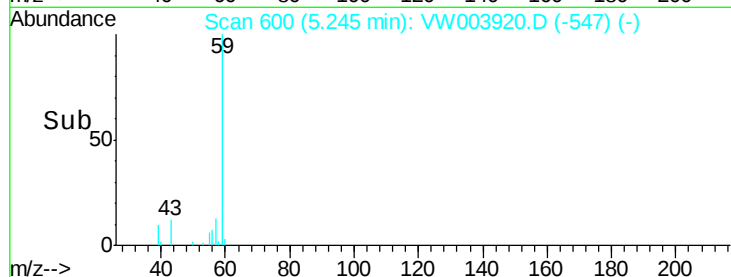
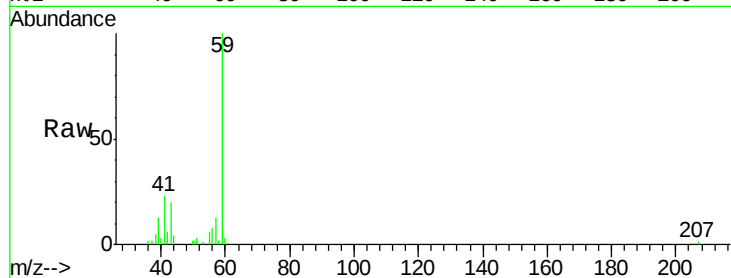




#11
Tert butyl alcohol
Concen: 228.881 ug/l
RT: 5.24 min Scan# 600
Delta R.T. 0.02 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

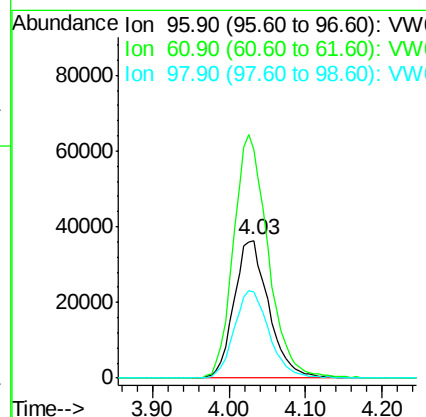
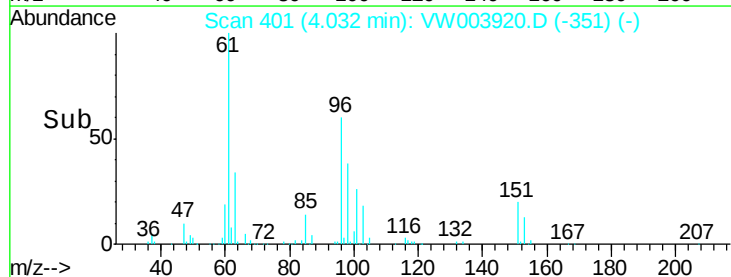
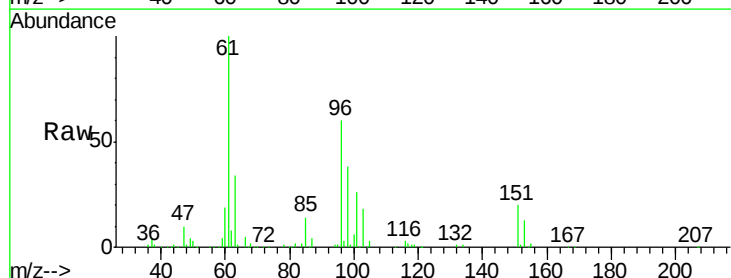
Instrument :
MSVOA_W
ClientSampleId :

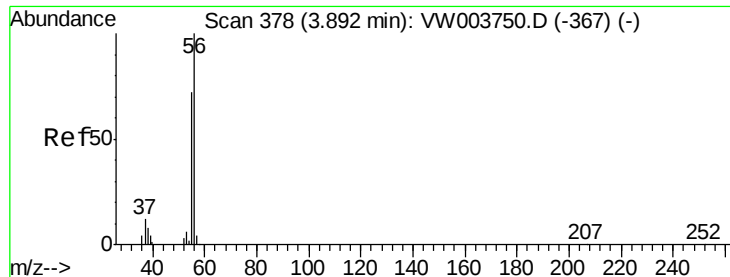
Tot Ion: 59 Resp: 36235
Ion Ratio Lower Upper
59 100
57 5.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 54.510 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 96 Resp: 114389
Ion Ratio Lower Upper
96 100
61 165.6 143.2 214.8
98 62.7 51.4 77.0





#13

Acrolein

Concen: 254.196 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

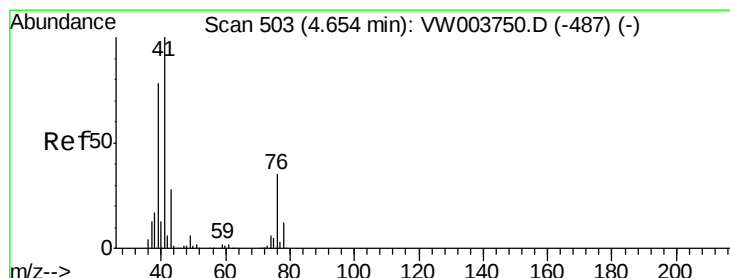
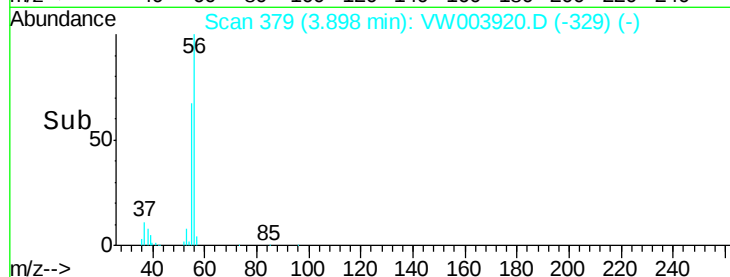
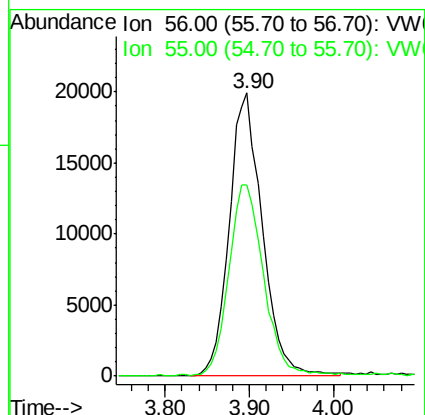
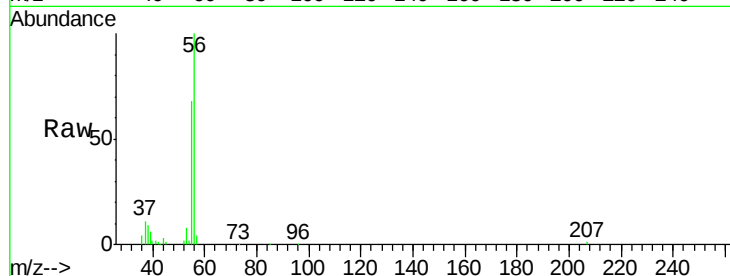
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 53147

Ion Ratio Lower Upper

56 100

55 71.6 57.5 86.3



#14

Allyl chloride

Concen: 55.946 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

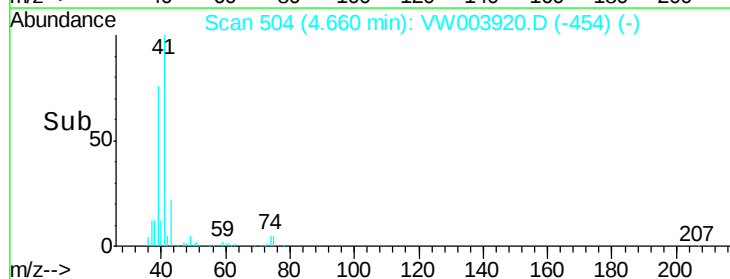
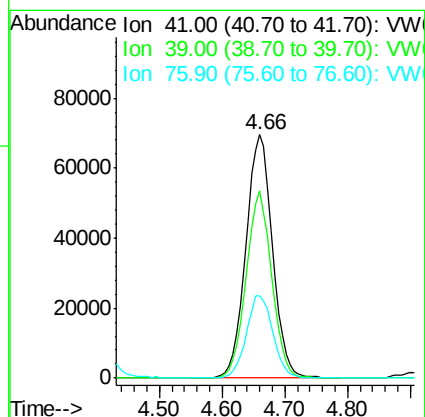
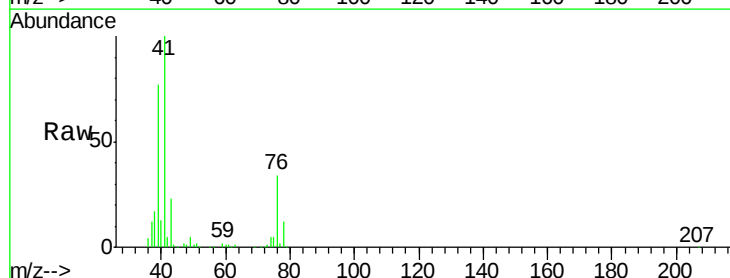
Tgt Ion: 41 Resp: 204116

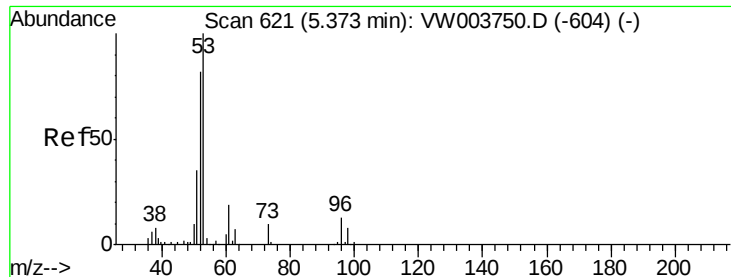
Ion Ratio Lower Upper

41 100

39 74.1 60.9 91.3

76 33.8 27.5 41.3





#15

Acrylonitrile

Concen: 238.635 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

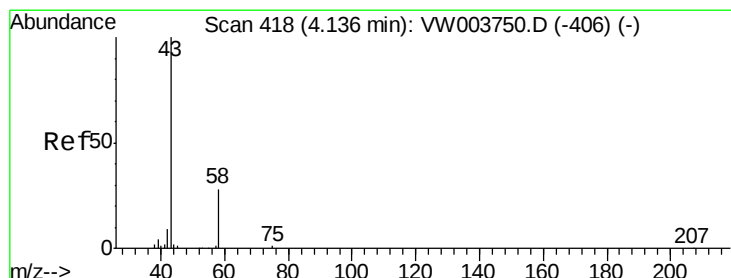
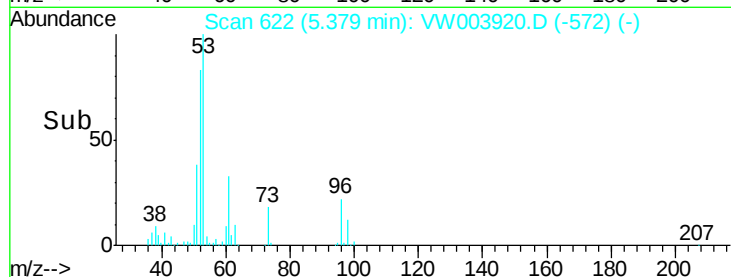
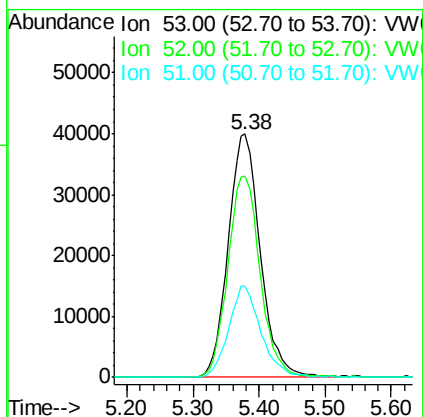
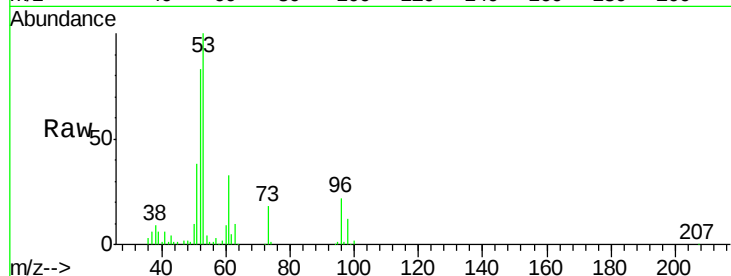
Tot Ion: 53 Resp: 134591

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

51 37.7 30.2 45.4



#16

Acetone

Concen: 290.874 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003920.D

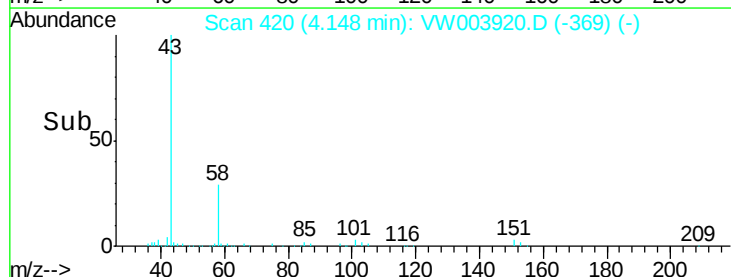
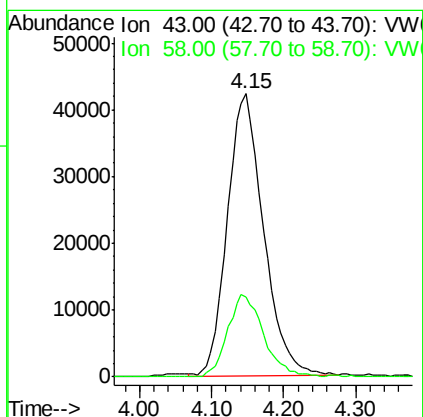
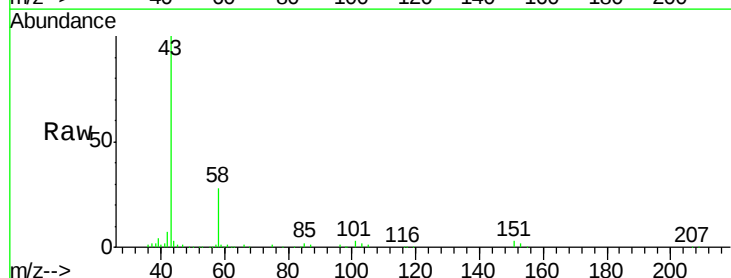
Acq: 13 Jul 2018 16:30

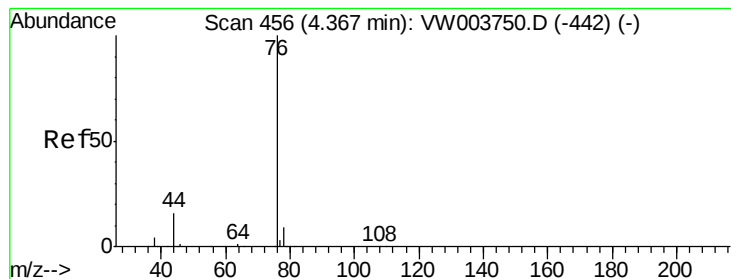
Tgt Ion: 43 Resp: 147425

Ion Ratio Lower Upper

43 100

58 28.3 22.6 34.0





#17

Carbon Disulfide

Concen: 49.636 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

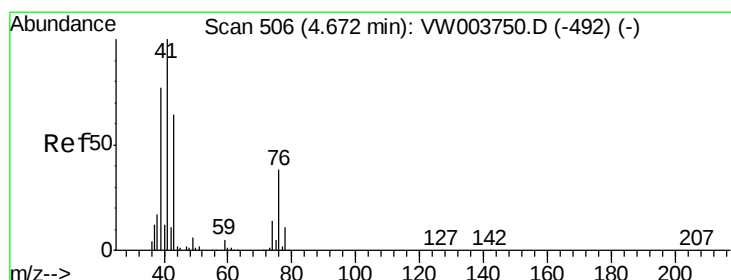
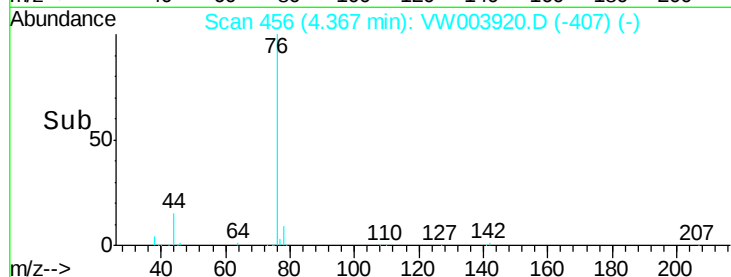
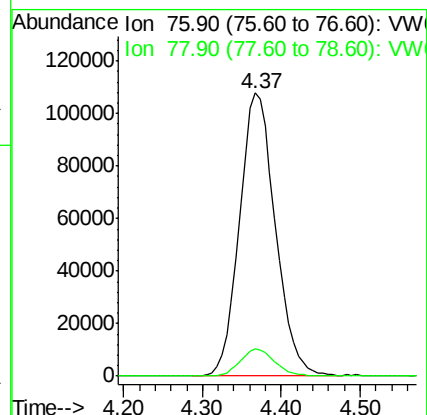
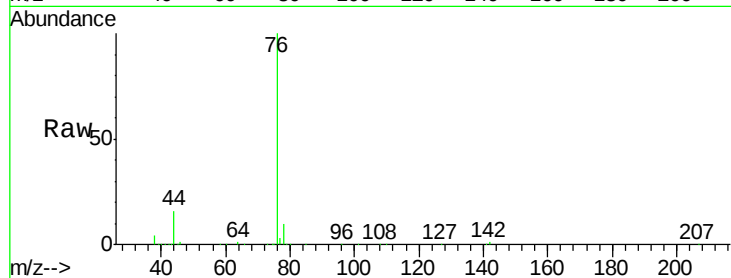
ClientSampled :

Tot Ion: 76 Resp: 341481

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



#18

Methyl Acetate

Concen: 48.099 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW003920.D

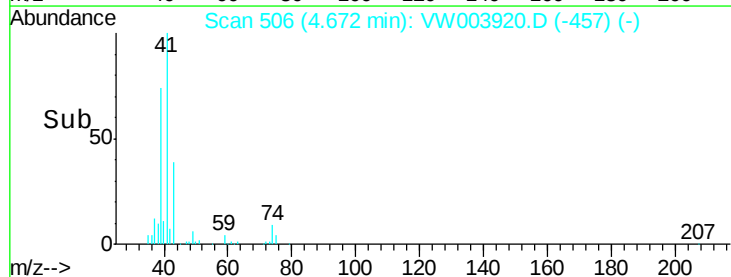
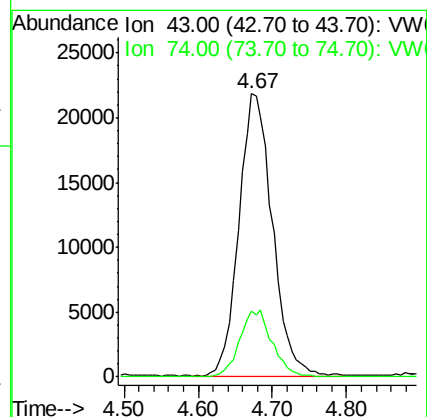
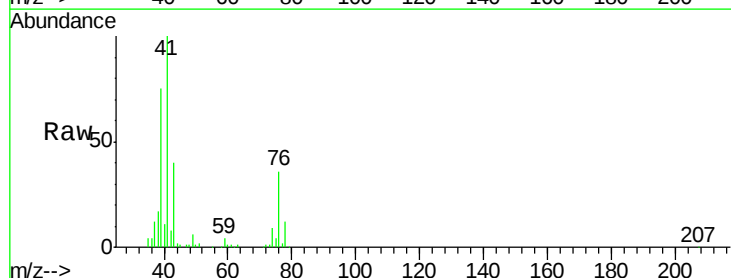
Acq: 13 Jul 2018 16:30

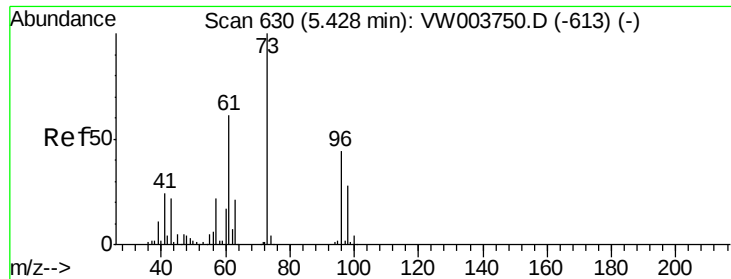
Tgt Ion: 43 Resp: 68731

Ion Ratio Lower Upper

43 100

74 23.0 17.3 25.9

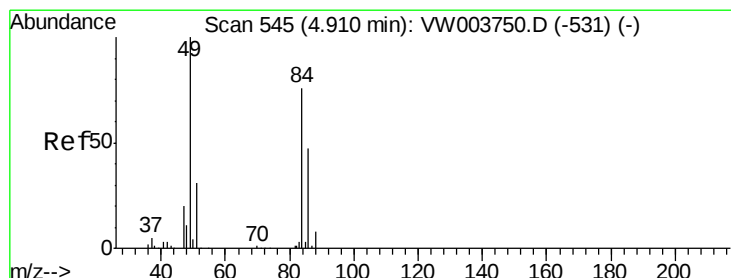
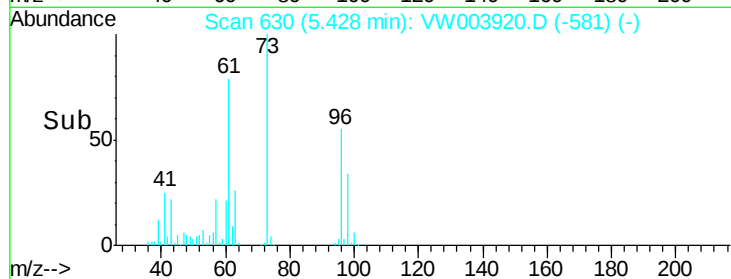
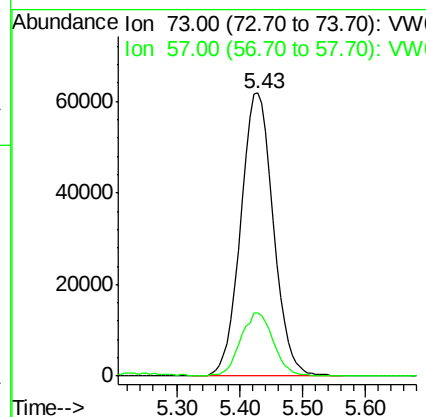
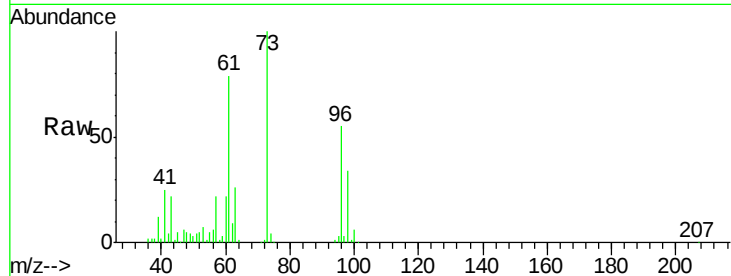




#19
Methyl tert-butyl Ether
Concen: 51.424 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

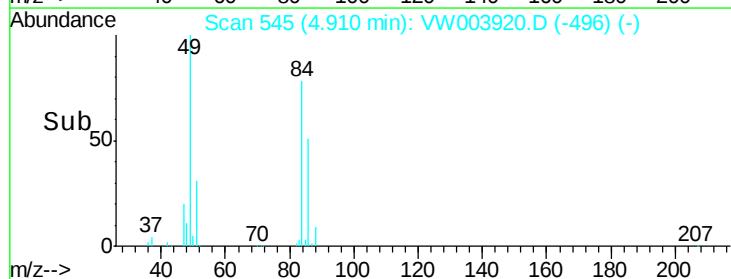
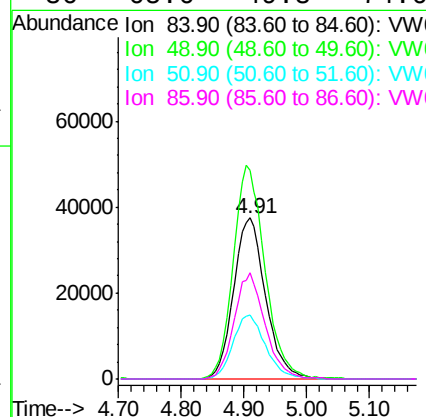
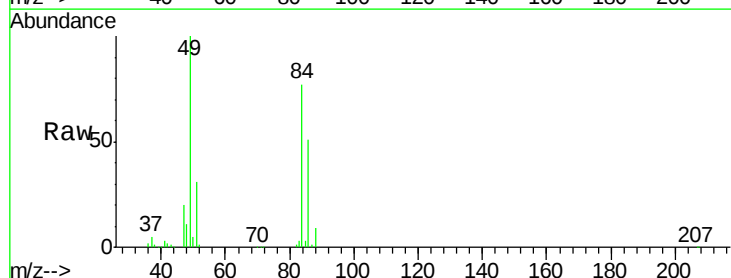
Instrument :
MSVOA_W
ClientSampled :

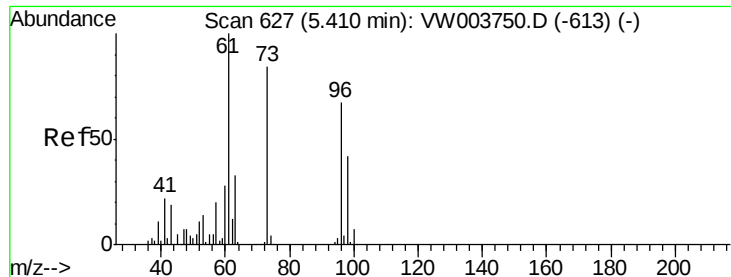
Tot Ion: 73 Resp: 222988
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 53.973 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 84 Resp: 132455
Ion Ratio Lower Upper
84 100
49 129.4 105.1 157.7
51 40.1 32.5 48.7
86 65.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 50.949 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :

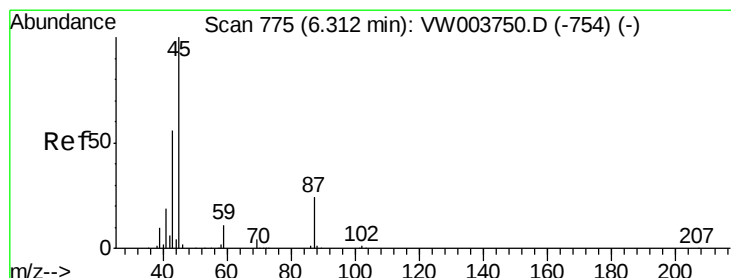
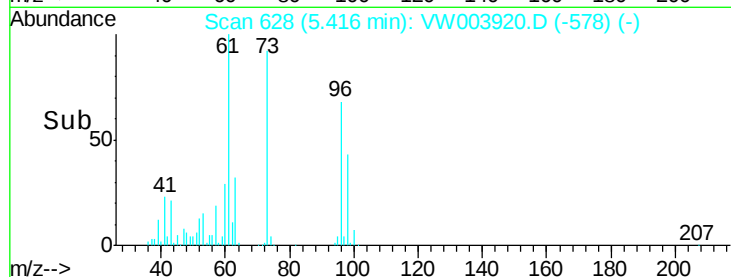
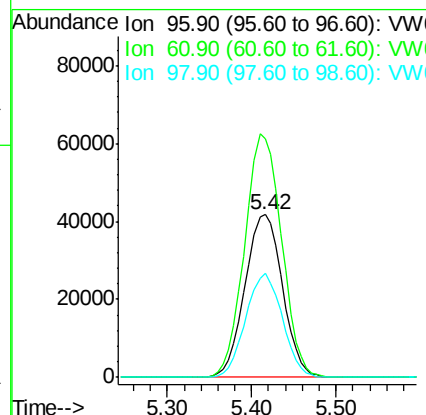
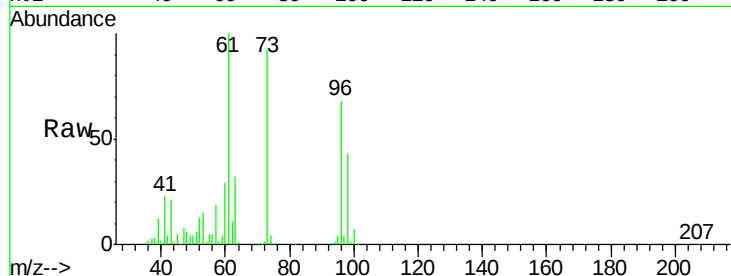
Tot Ion: 96 Resp: 126573

Ion Ratio Lower Upper

96 100

61 146.8 119.0 178.6

98 63.7 49.8 74.8



#22

Diisopropyl ether

Concen: 52.233 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion: 45 Resp: 418956

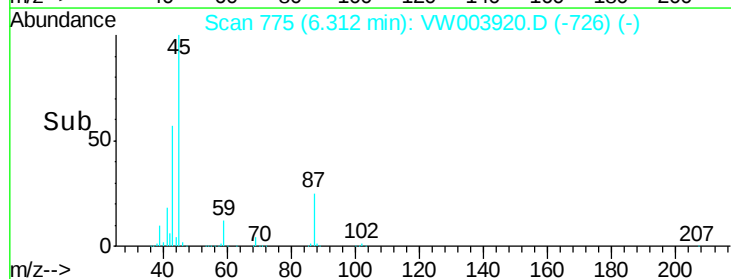
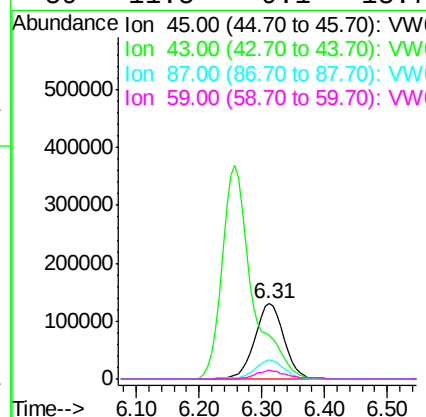
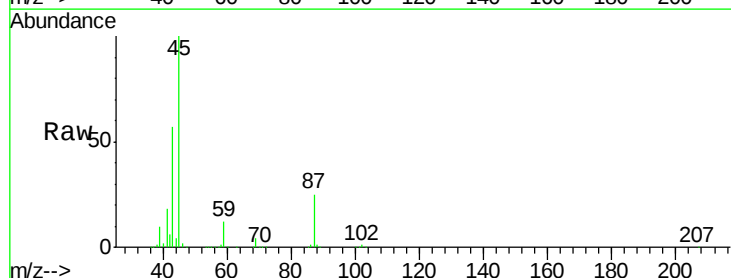
Ion Ratio Lower Upper

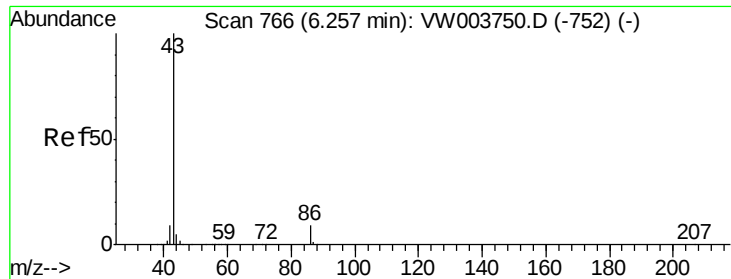
45 100

43 57.0 44.5 66.7

87 25.0 19.6 29.4

59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 247.872 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

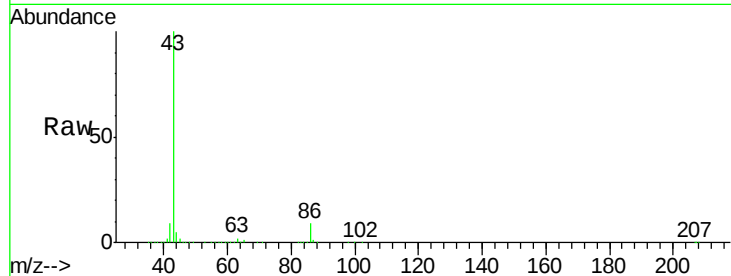
ClientSampled :

Tot Ion: 43 Resp: 1213664

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

300000

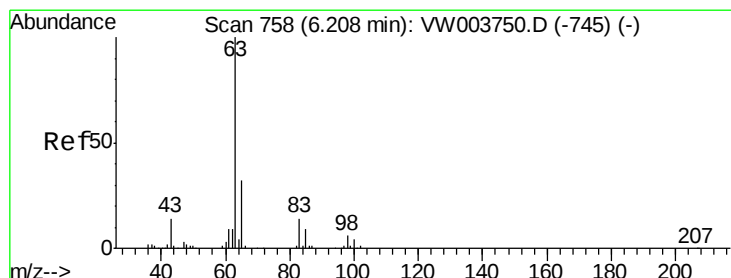
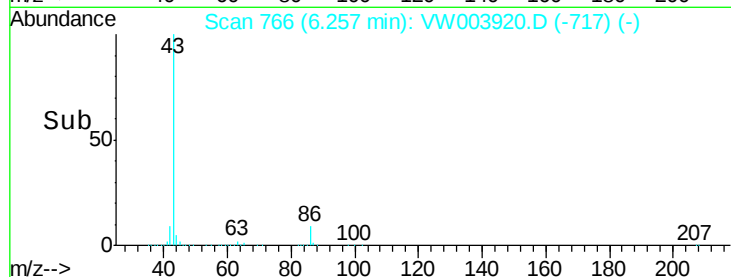
200000

100000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 49.769 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

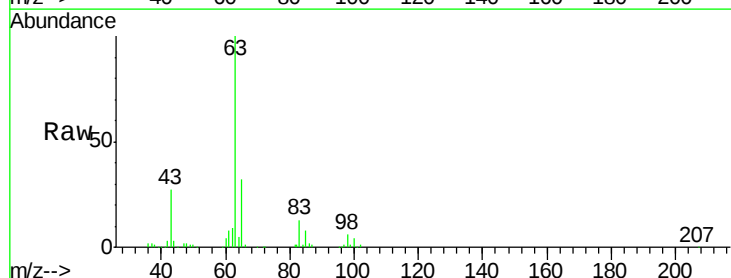
Tgt Ion: 63 Resp: 241436

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.1 2.1 6.2



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

100000

80000

60000

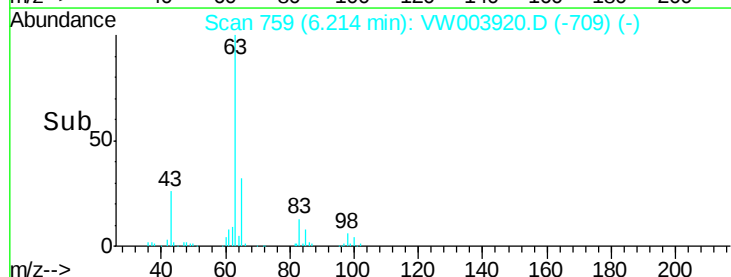
40000

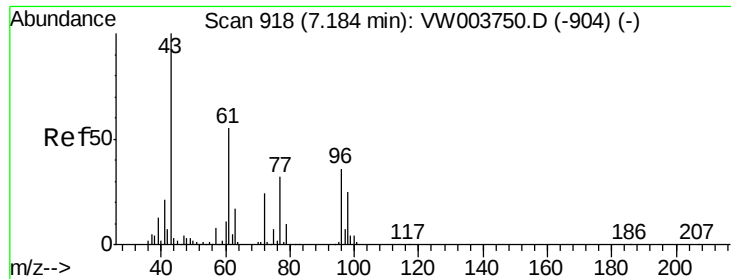
20000

0

6.10 6.20 6.30

Time-->

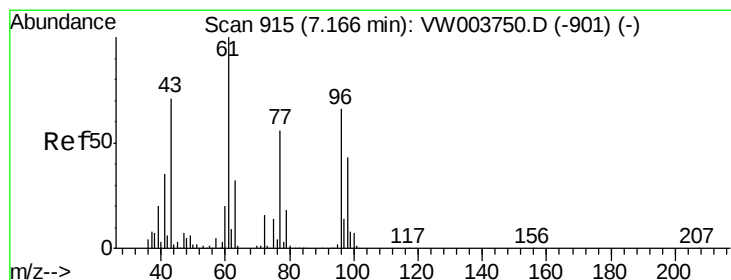
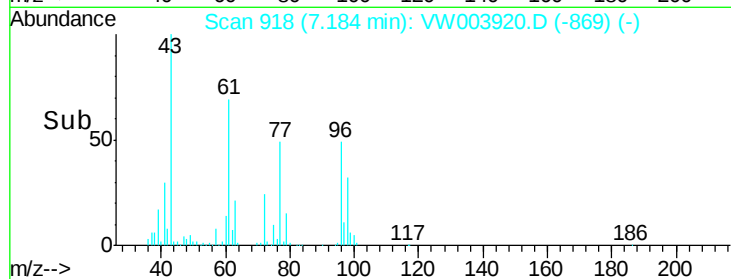
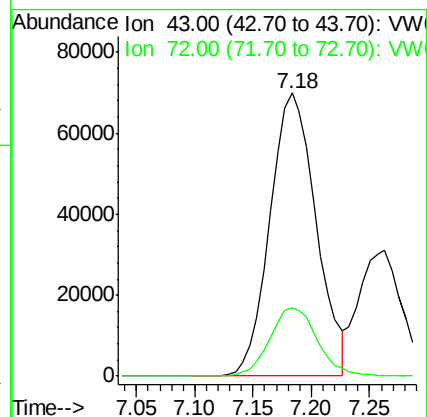
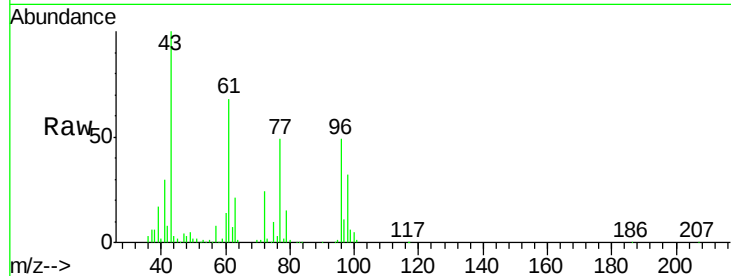




#25
2-Butanone
Concen: 241.668 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

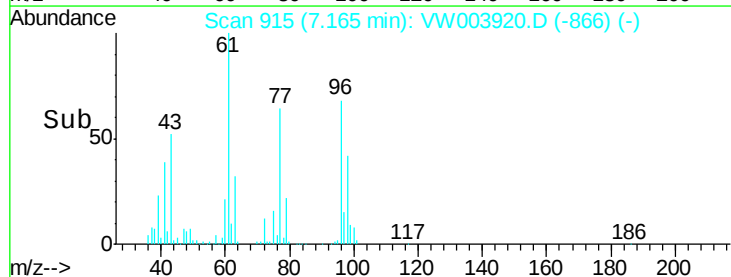
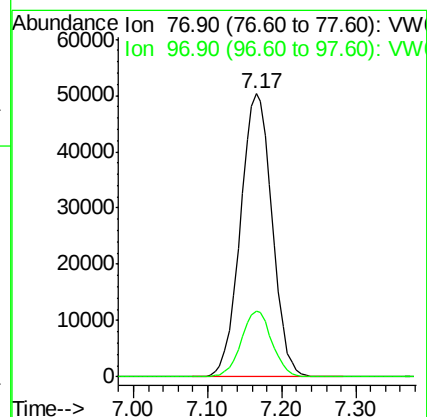
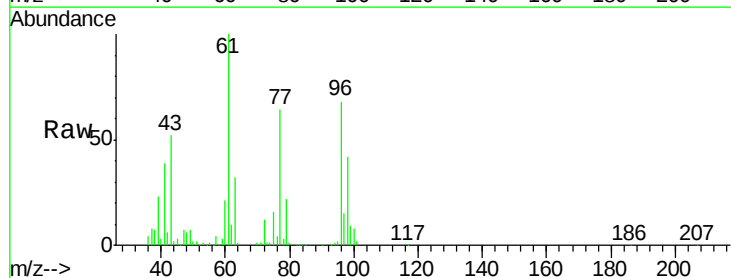
Instrument :
MSVOA_W
ClientSampled :

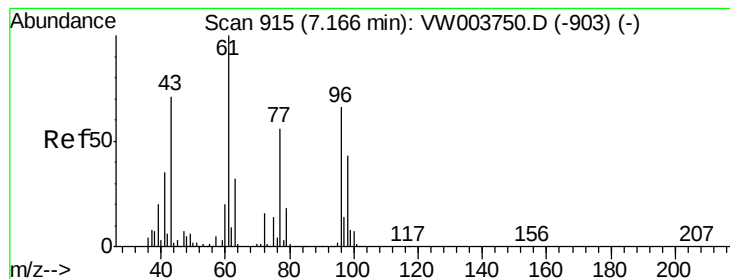
Tot Ion: 43 Resp: 191846
Ion Ratio Lower Upper
43 100
72 24.2 19.4 29.2



#26
2,2-Dichloropropane
Concen: 56.875 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 77 Resp: 149652
Ion Ratio Lower Upper
77 100
97 22.6 11.5 34.5



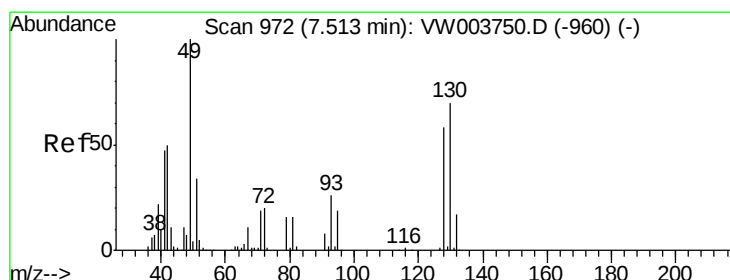
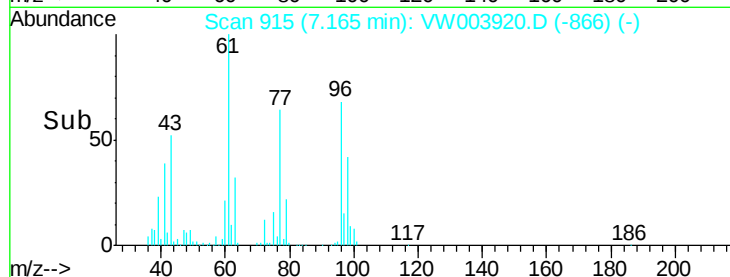
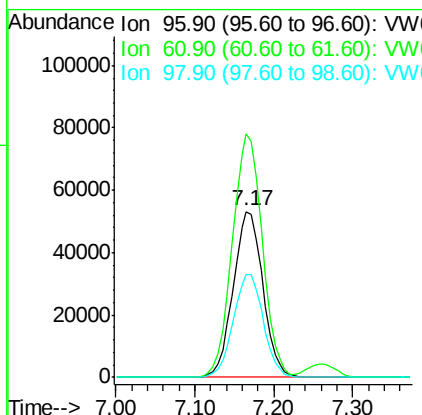
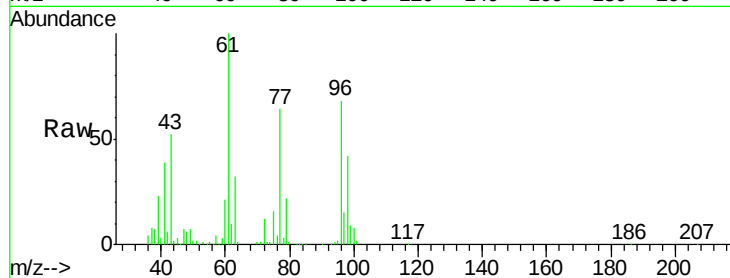


#27

cis-1,2-Dichloroethene
Concen: 50.449 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :

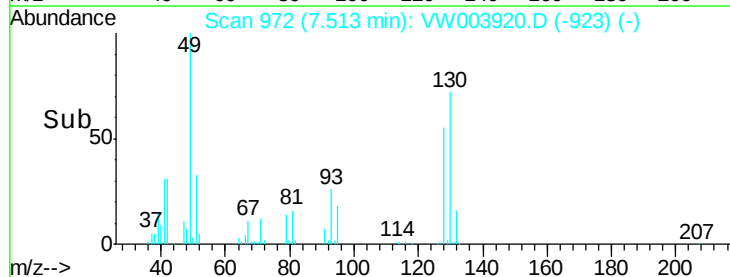
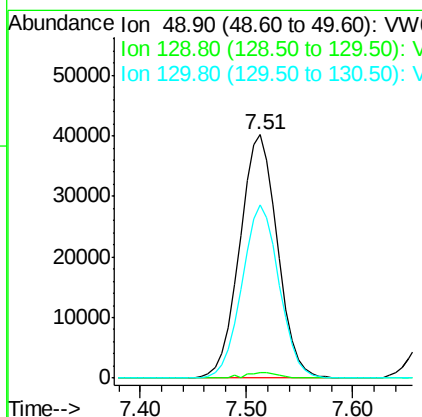
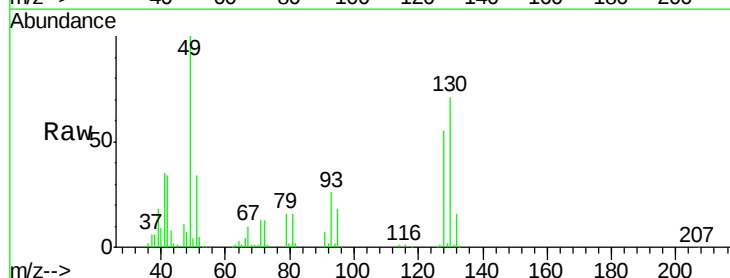
Tot Ion	96	Resp	138596
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	300.8
98	63.1	0.0	128.6

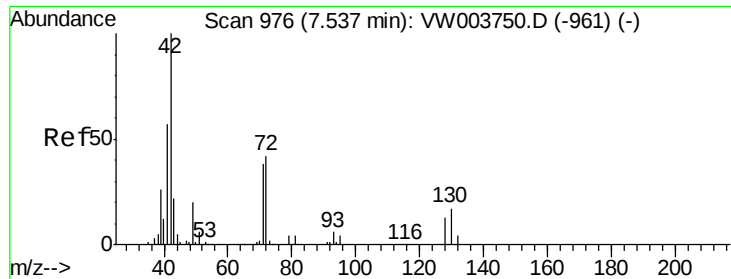


#28

Bromochloromethane
Concen: 46.215 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	49	Resp	99875
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	70.5	56.9	85.3

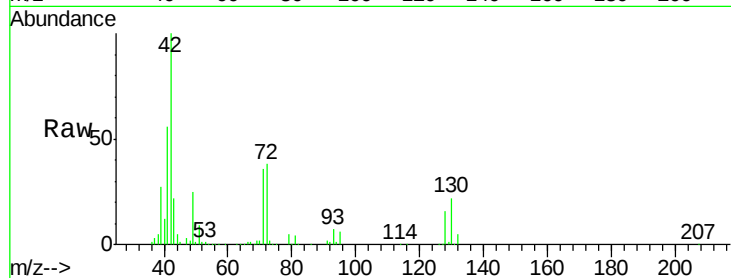




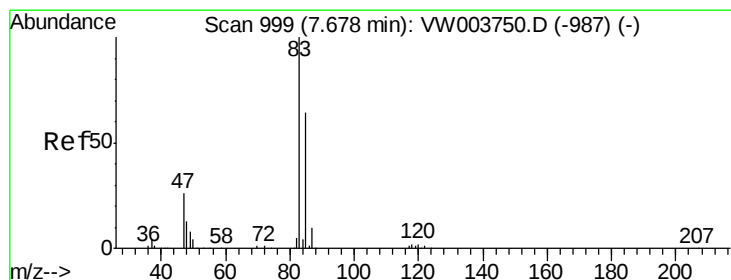
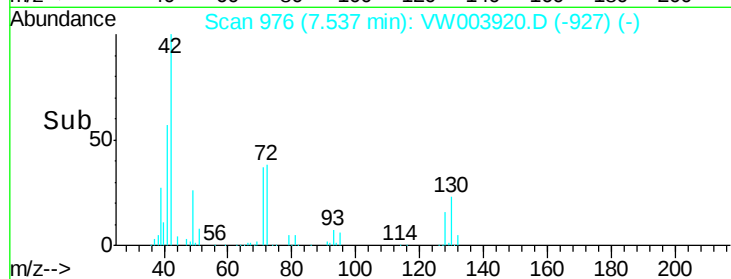
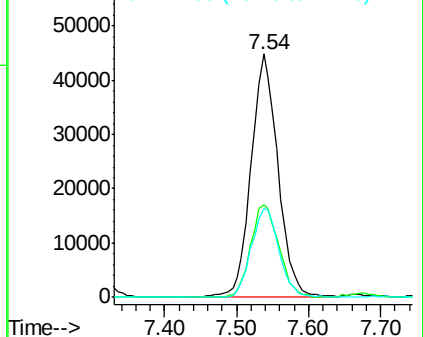
#29
Tetrahydrofuran
Concen: 228.530 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 116622
Ion Ratio Lower Upper
42 100
72 40.1 31.8 47.8
71 37.5 30.3 45.5

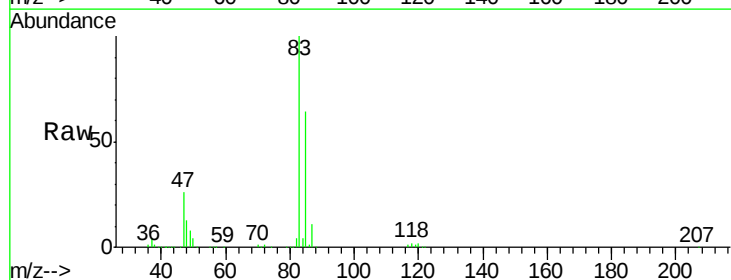


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

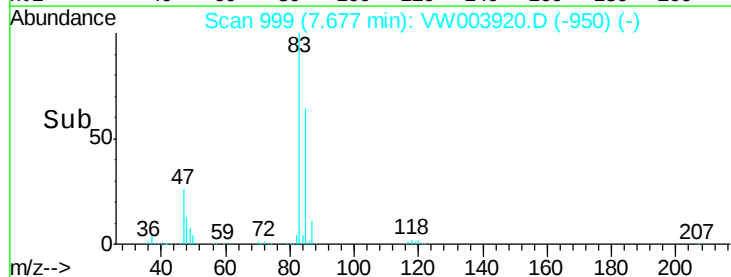
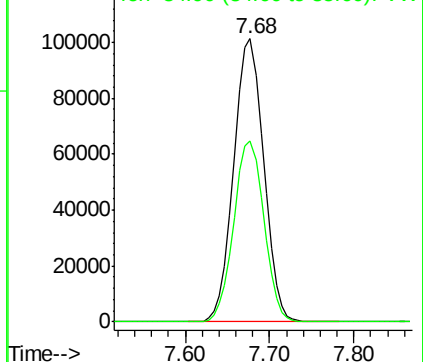


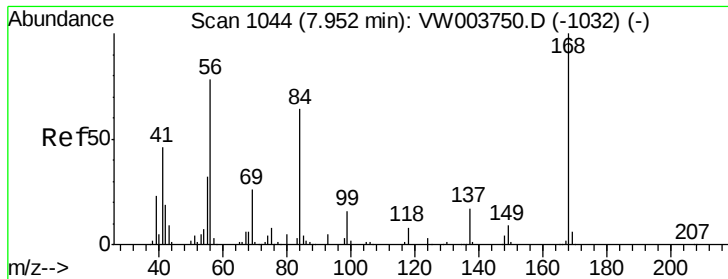
#30
Chloroform
Concen: 49.243 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 83 Resp: 243689
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3



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

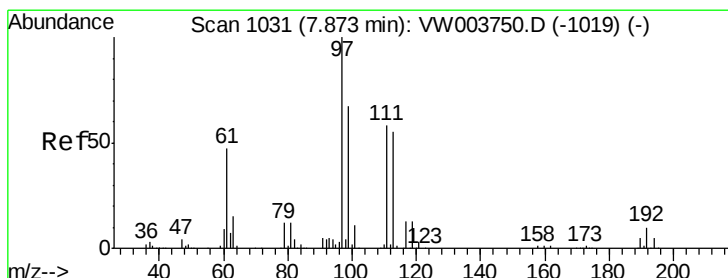
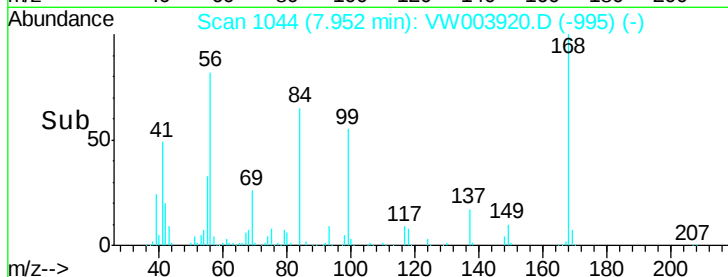
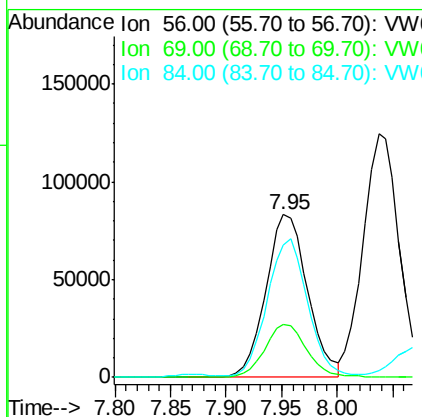
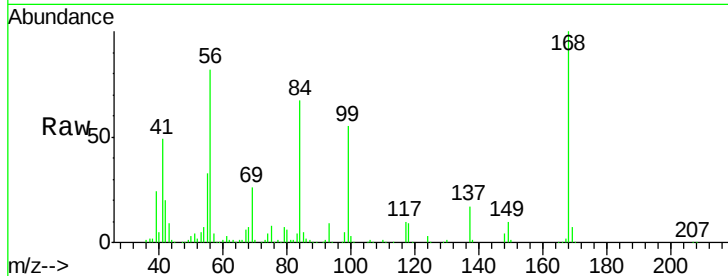




#31
Cyclohexane
Concen: 50.915 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

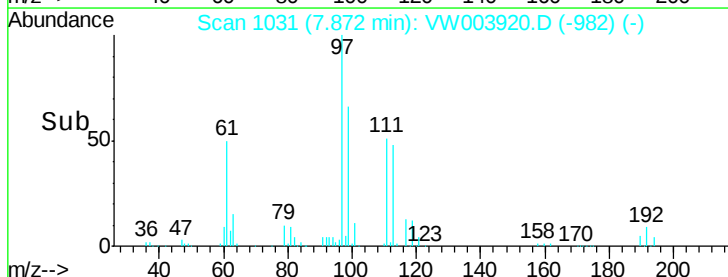
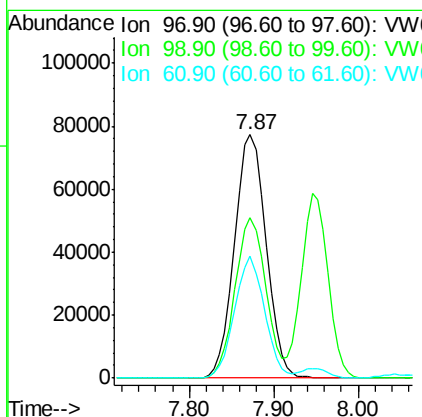
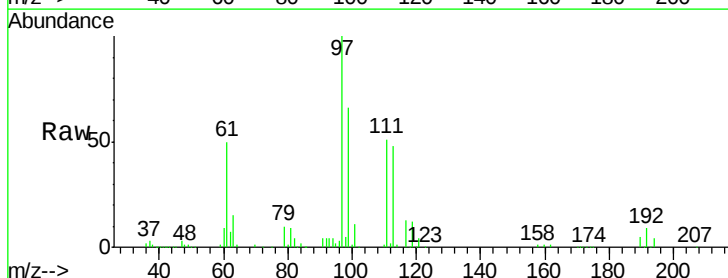
Instrument :
MSVOA_W
ClientSampled :

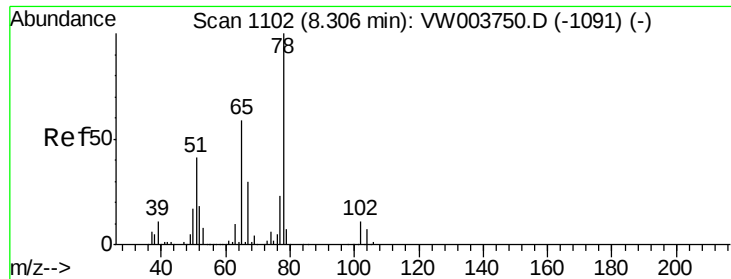
Tot Ion: 56 Resp: 217047
Ion Ratio Lower Upper
56 100
69 32.2 26.2 39.4
84 80.1 65.5 98.3



#32
1,1,1-Trichloroethane
Concen: 52.160 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 97 Resp: 196452
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 47.5 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 46.084 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

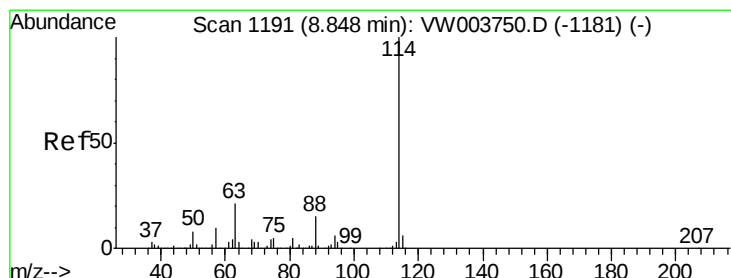
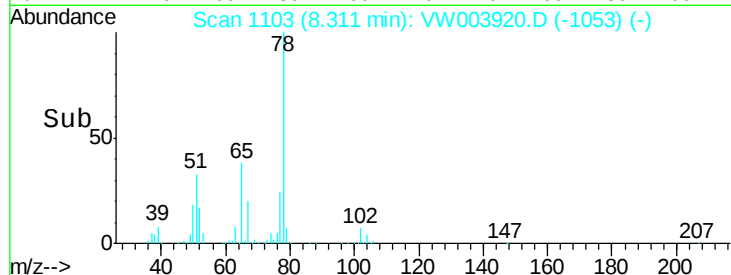
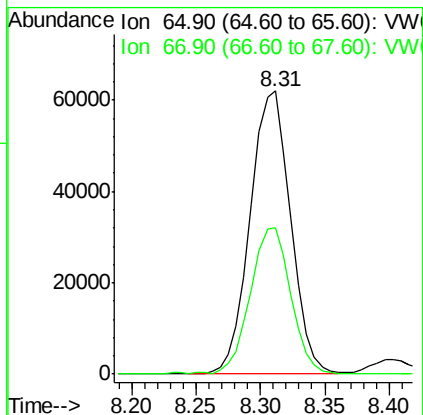
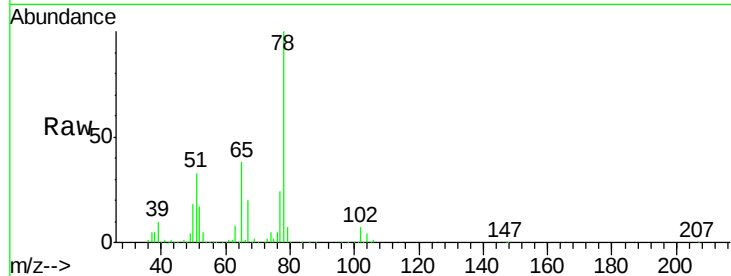
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 134624

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

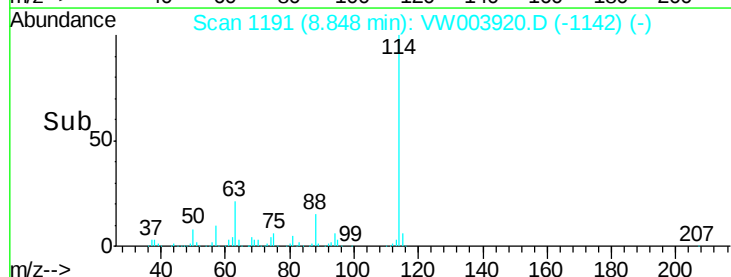
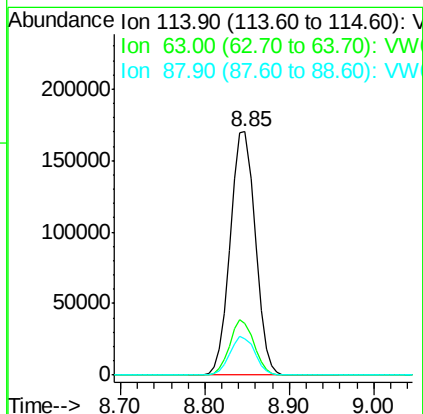
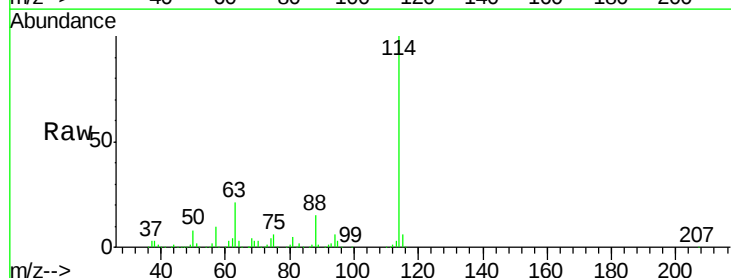
Tgt Ion: 114 Resp: 340736

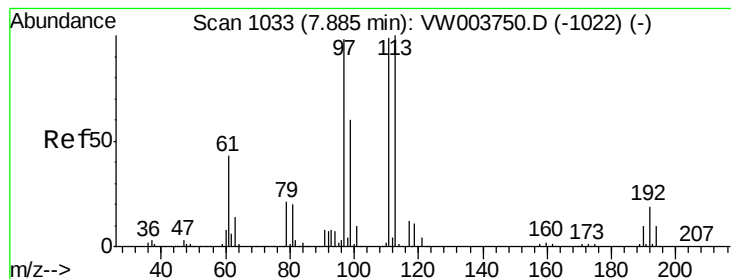
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.178 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :

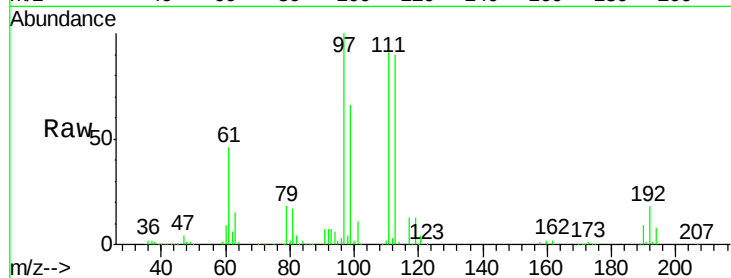
Tot Ion:113 Resp: 122048

Ion Ratio Lower Upper

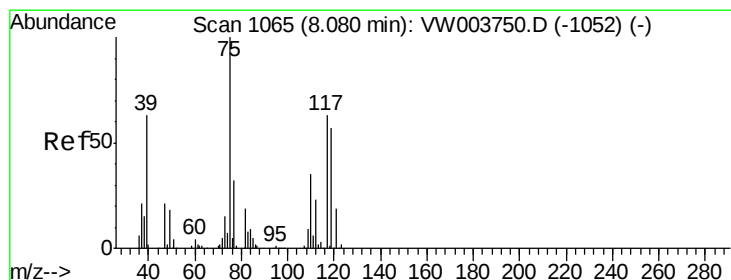
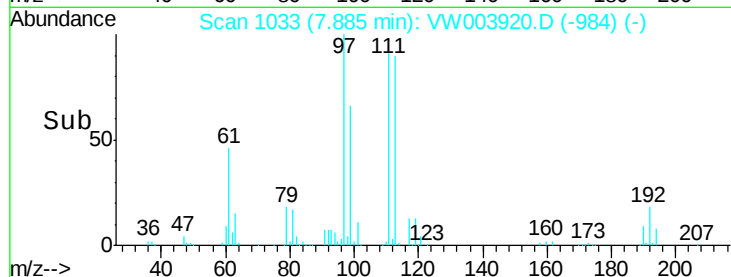
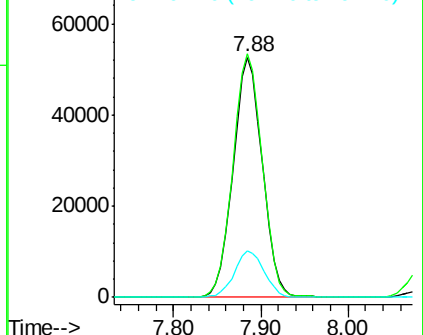
113 100

111 102.2 81.7 122.5

192 19.9 15.8 23.8



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: 54.111 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

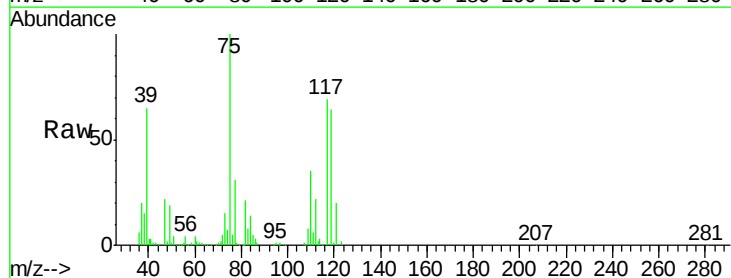
Tgt Ion: 75 Resp: 195633

Ion Ratio Lower Upper

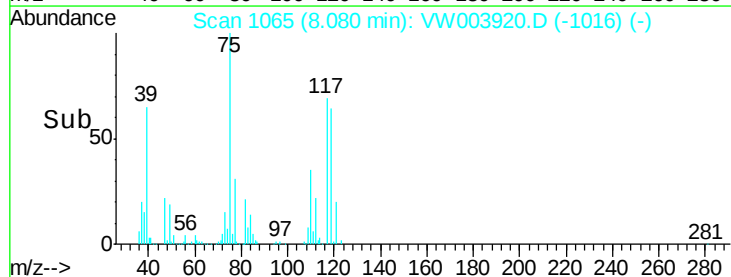
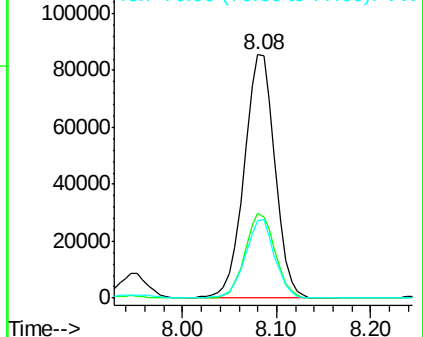
75 100

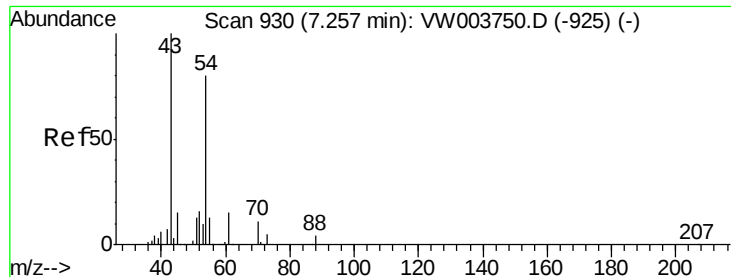
110 33.9 16.9 50.6

77 31.1 24.8 37.2



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

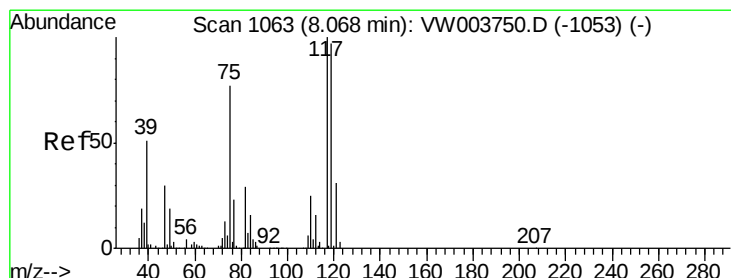
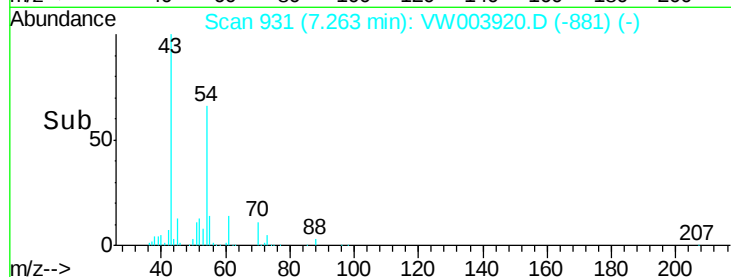
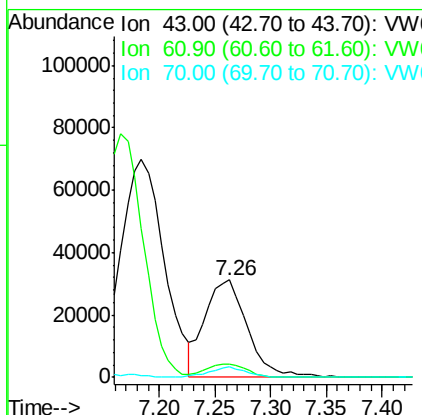
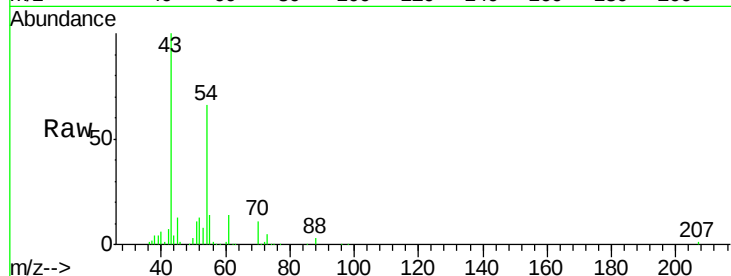




#37
Ethyl Acetate
Concen: 46.703 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

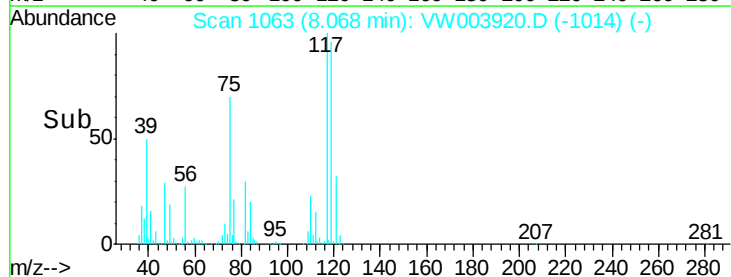
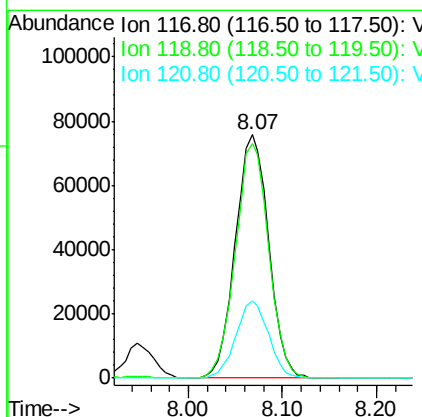
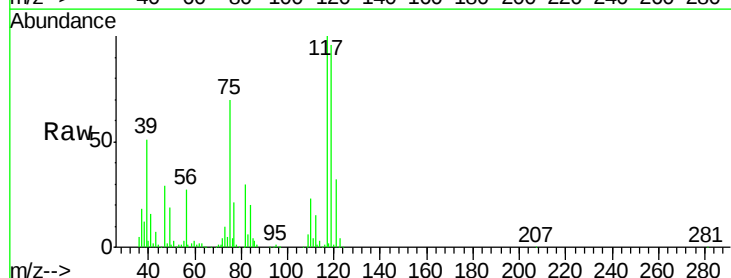
Instrument :
MSVOA_W
ClientSampled :

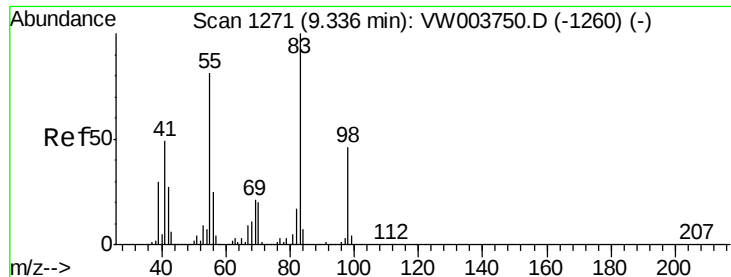
Tot Ion: 43 Resp: 82157
Ion Ratio Lower Upper
43 100
61 13.3 10.6 15.8
70 9.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 54.466 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 117 Resp: 187223
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.2
121 31.6 24.6 37.0

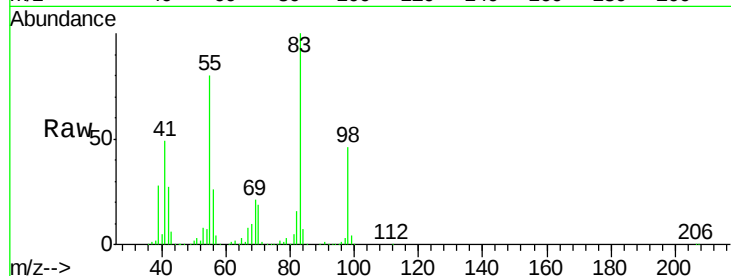




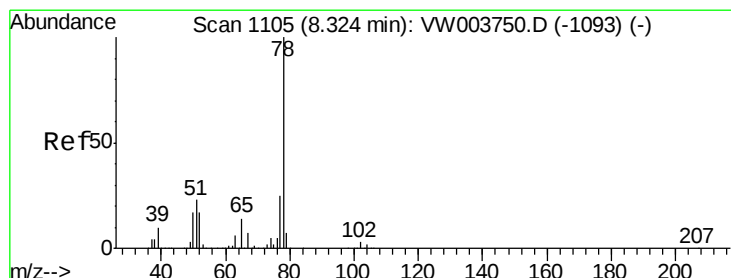
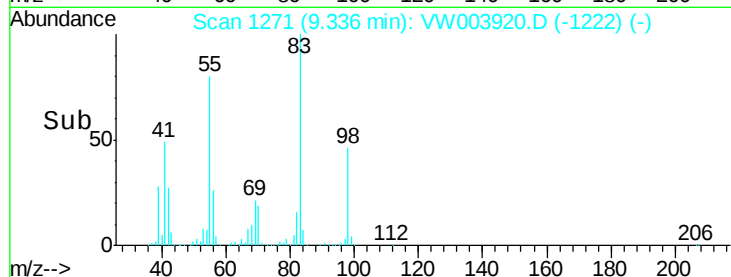
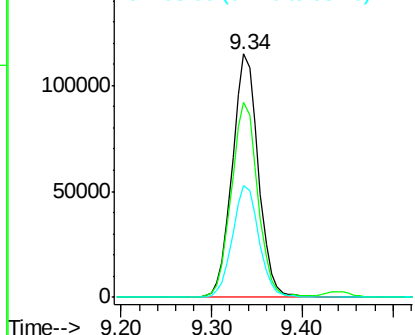
#39
Methvlcvclohexane
Concen: 57.966 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	65.1	97.7
98	45.8	36.7	55.1

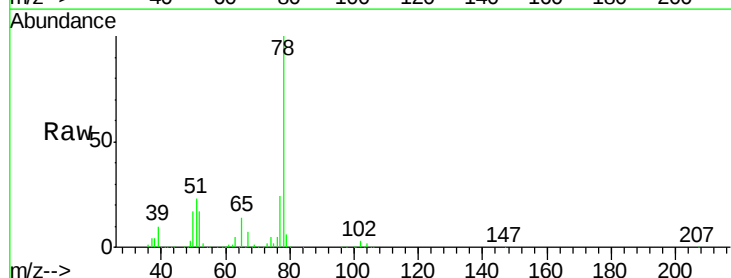


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

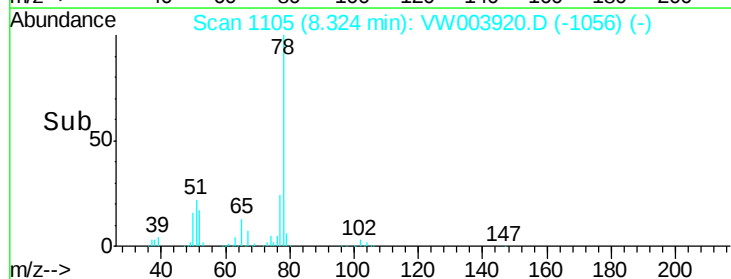
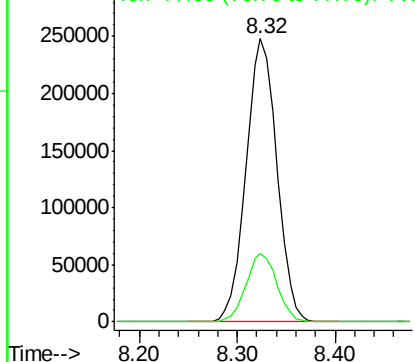


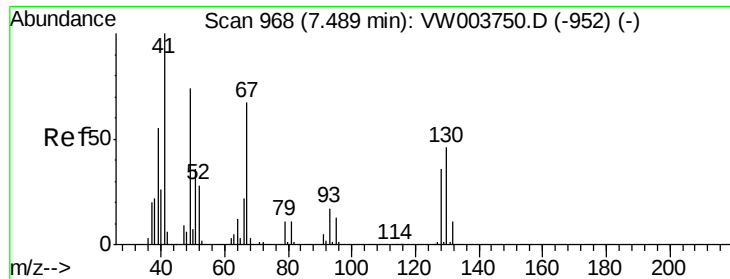
#40
Benzene
Concen: 52.409 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.7	29.5



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

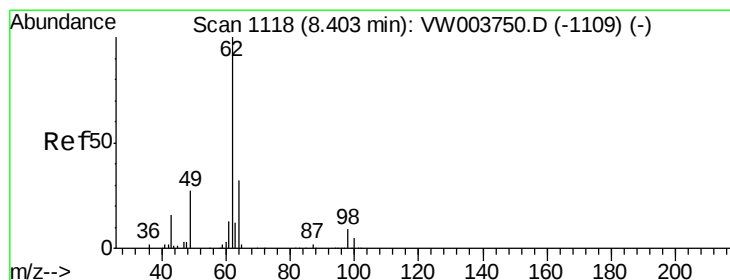
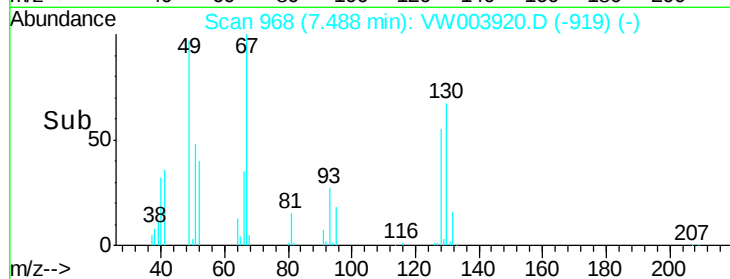
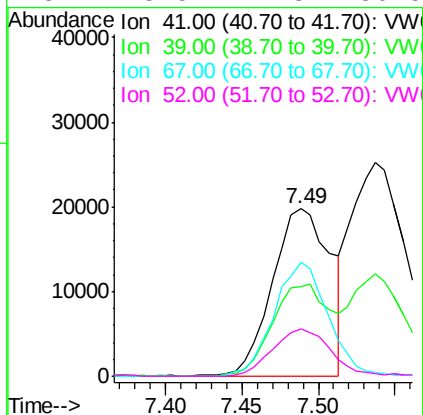
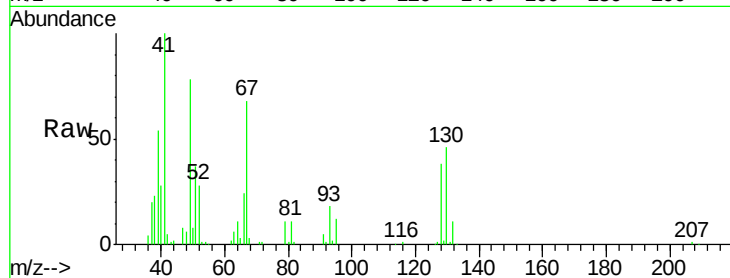




#41
Methacrylonitrile
Concen: 51.748 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

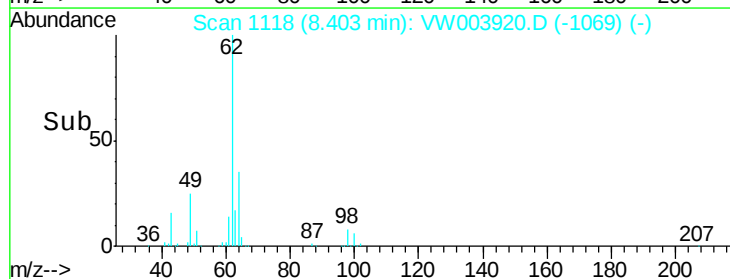
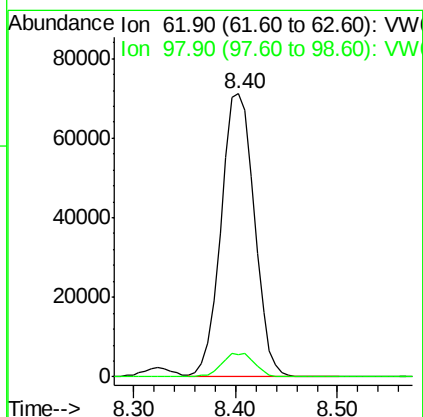
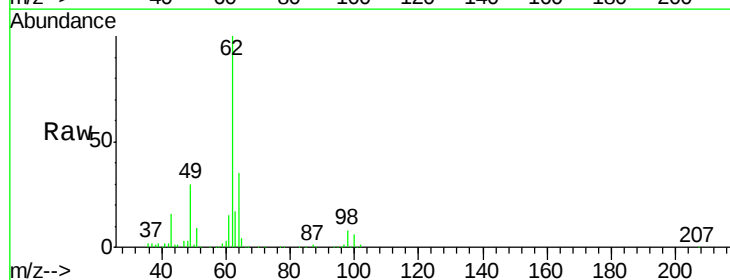
Instrument :
MSVOA_W
ClientSampleId :

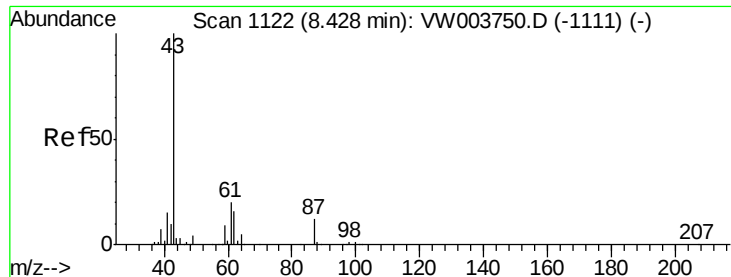
Tot Ion:	41	Resp:	52365
Ion	Ratio	Lower	Upper
41	100		
39	55.3	49.5	74.3
67	63.0	53.8	80.8
52	28.5	24.3	36.5



#42
1,2-Dichloroethane
Concen: 48.227 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion:	62	Resp:	161325
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



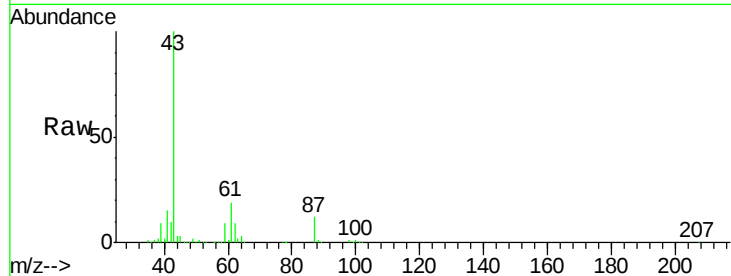


#43

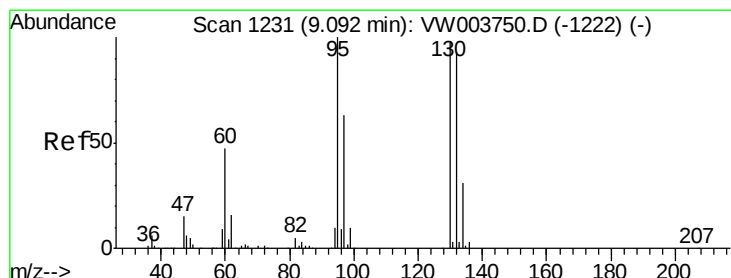
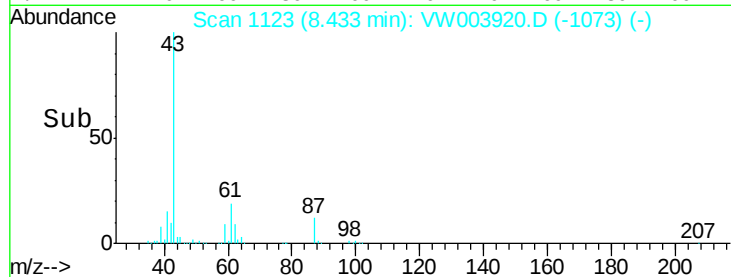
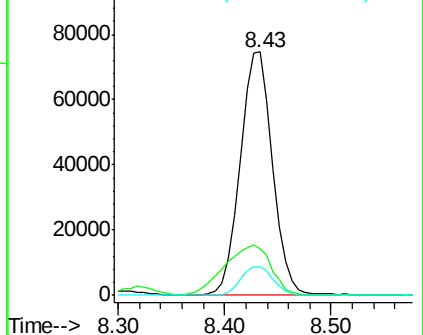
Isopropyl Acetate
 Concen: 47.567 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 43 Resp: 158589
 Ion Ratio Lower Upper
 43 100
 61 29.8 22.8 34.2
 87 11.8 9.5 14.3



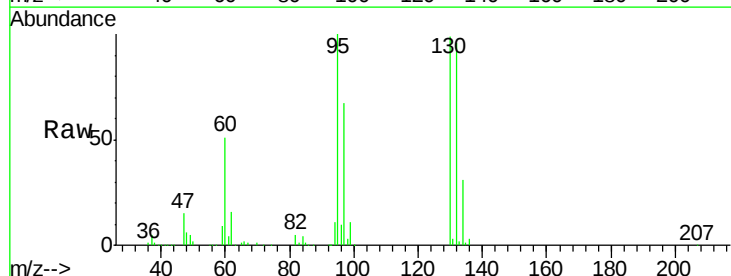
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



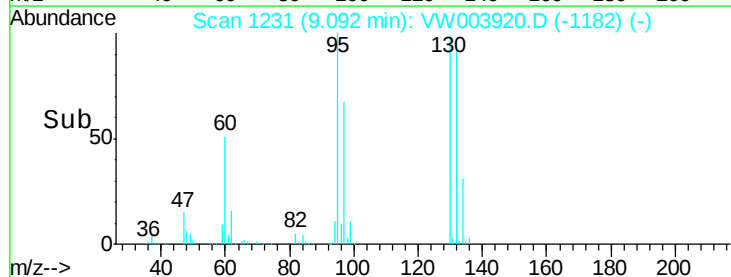
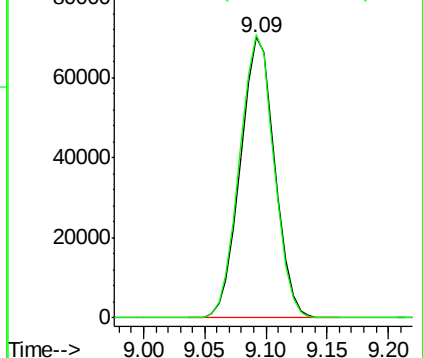
#44

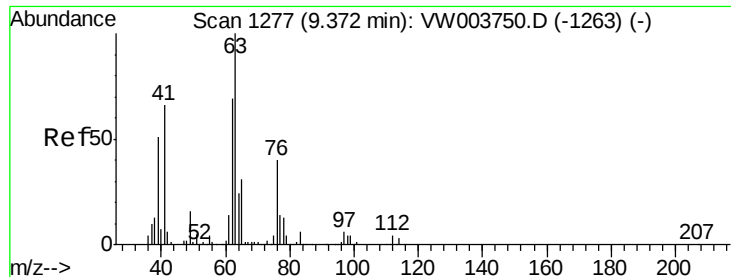
Trichloroethene
 Concen: 52.547 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 130 Resp: 136923
 Ion Ratio Lower Upper
 130 100
 95 100.8 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VW

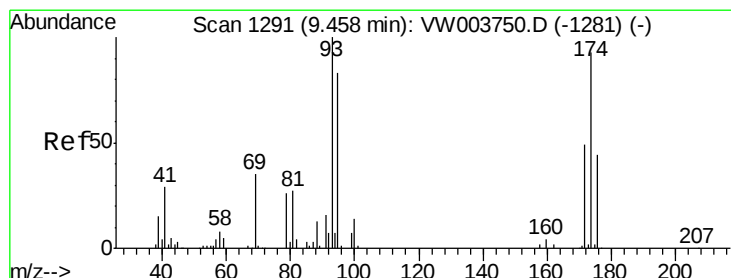
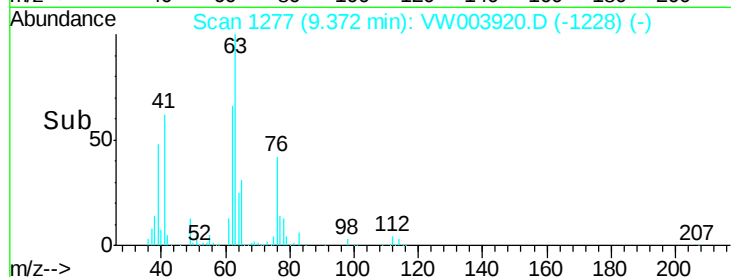
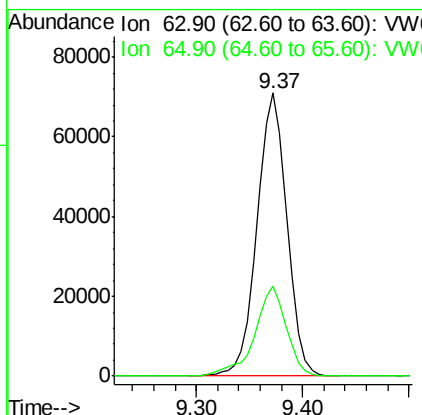
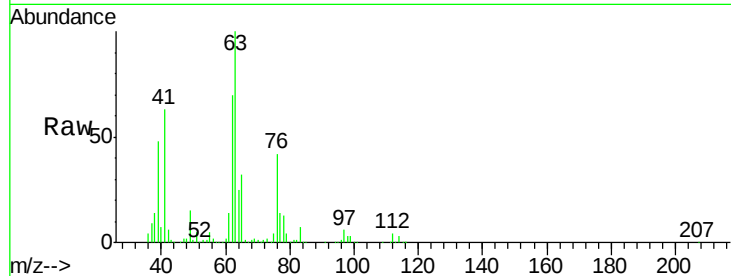




#45
 1,2-Dichloropropane
 Concen: 51.895 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

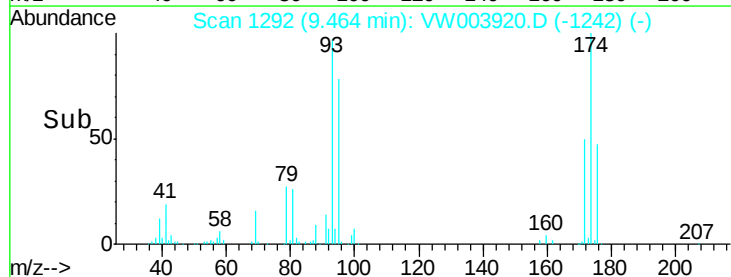
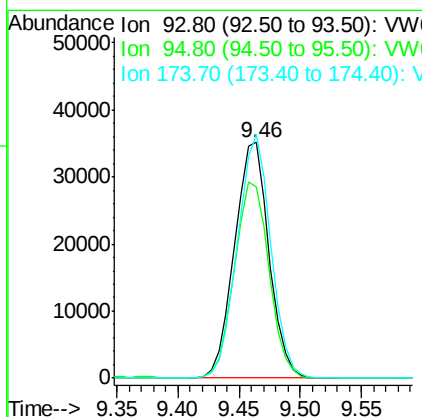
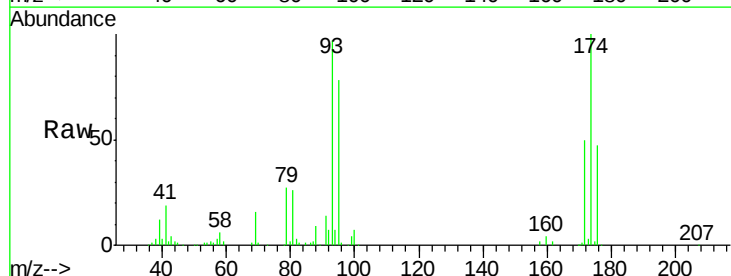
Instrument :
 MSVOA_W
 ClientSampleId :

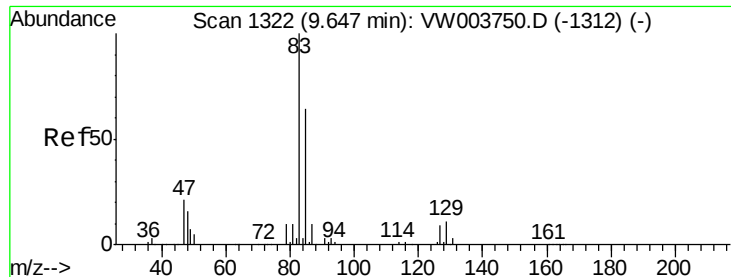
Tot Ion: 63 Resp: 139467
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3



#46
 Dibromomethane
 Concen: 48.520 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 93 Resp: 68564
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.2 100.8
 174 100.3 78.1 117.1





#47

Bromodichloromethane

Concen: 51.101 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

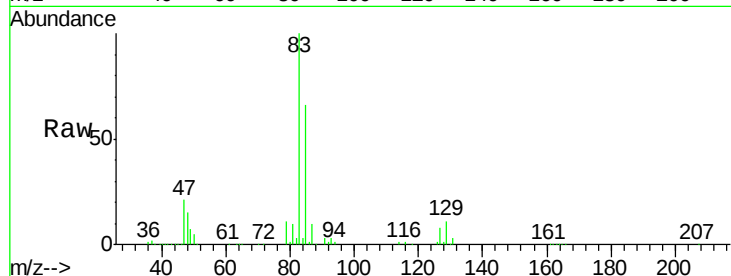
Tot Ion: 83 Resp: 177647

Ion Ratio Lower Upper

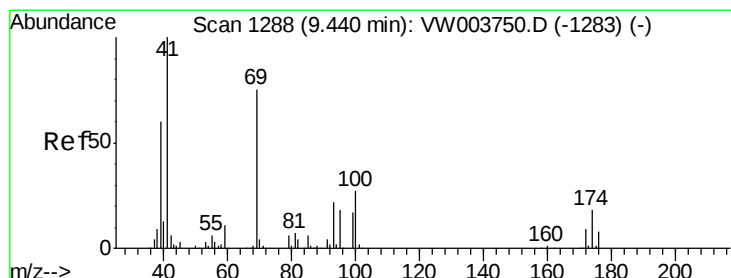
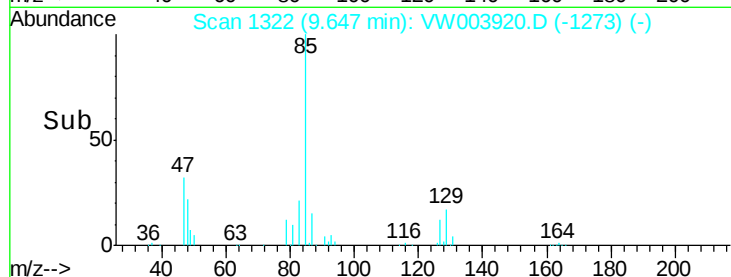
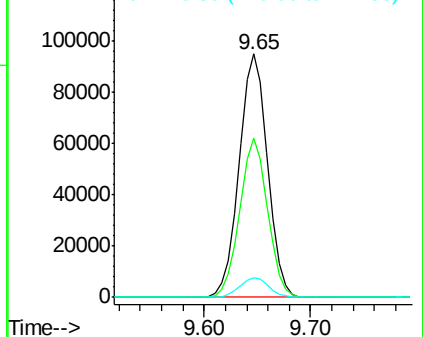
83 100

85 65.5 51.4 77.0

127 8.1 6.8 10.2



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



#48

Methyl methacrylate

Concen: 49.386 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

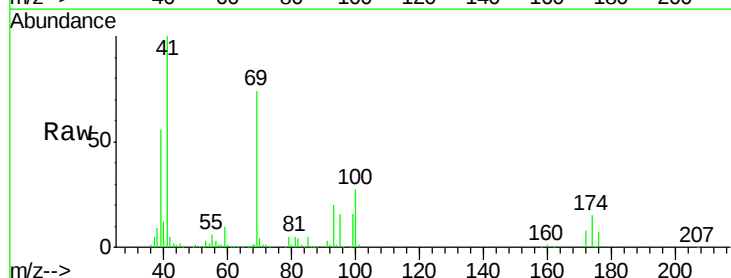
Tgt Ion: 41 Resp: 78416

Ion Ratio Lower Upper

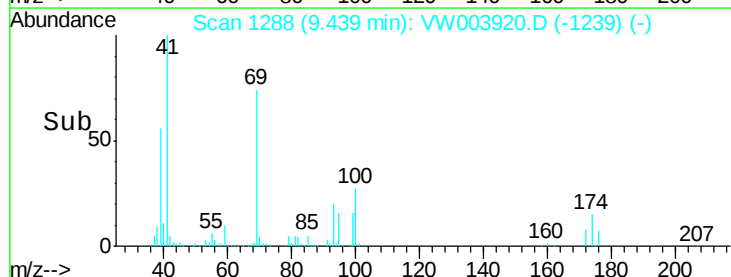
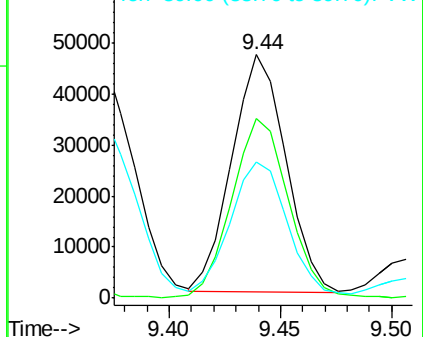
41 100

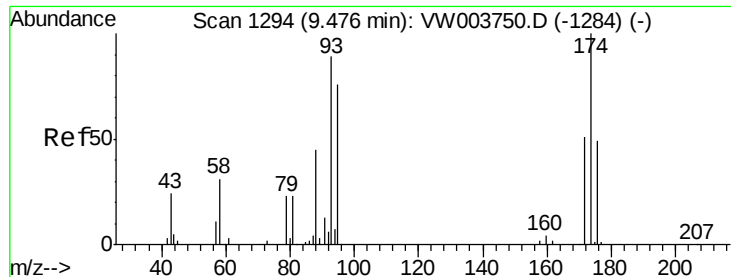
69 79.3 63.8 95.8

39 62.2 50.2 75.2



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

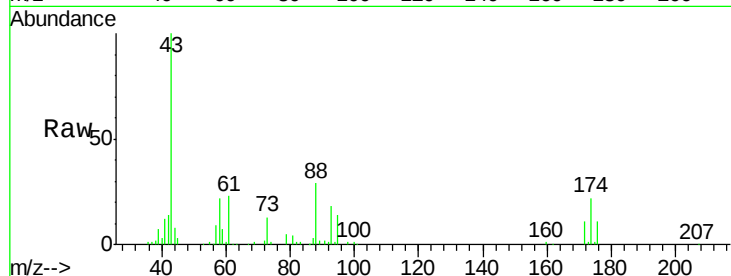




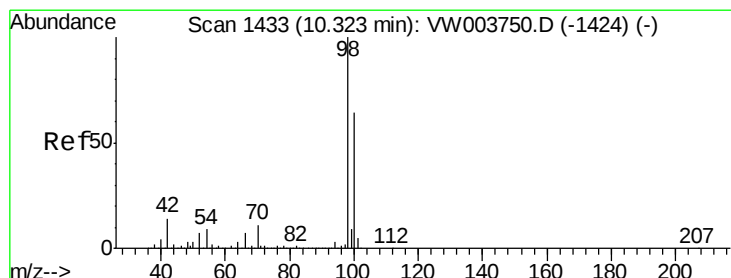
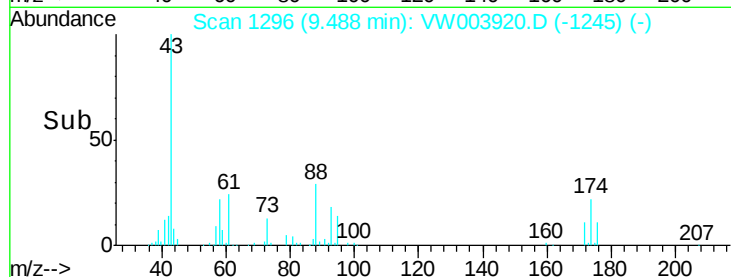
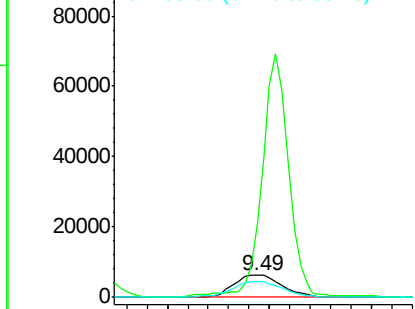
#49
1,4-Dioxane
Concen: 984.531 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 20793
Ion Ratio Lower Upper
88 100
43 606.9 0.0 0.0#
58 75.3 59.7 89.5

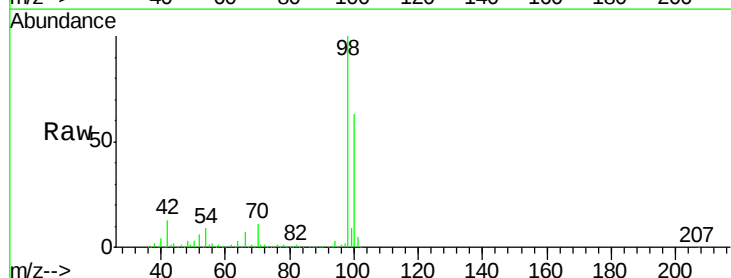


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

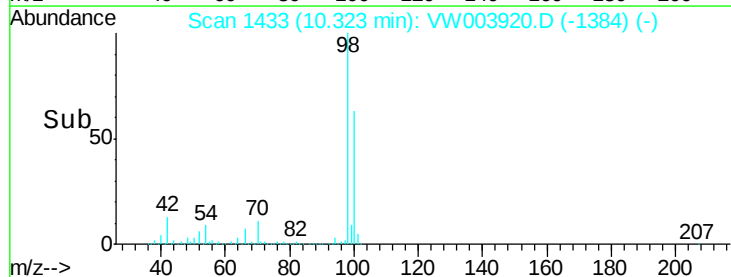
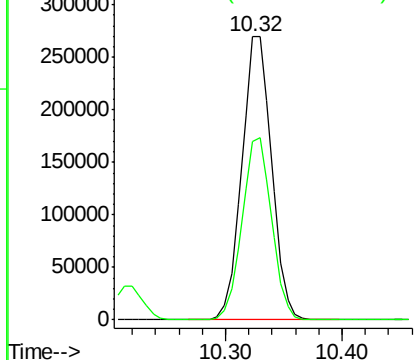


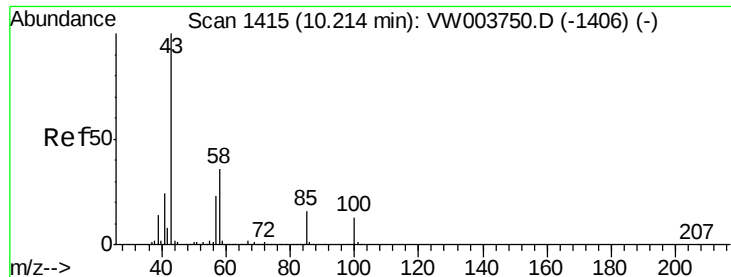
#50
Toluene-d8
Concen: 52.874 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 98 Resp: 482333
Ion Ratio Lower Upper
98 100
100 63.7 50.8 76.2



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





#51

4-Methyl-2-Pentanone

Concen: 244.671 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

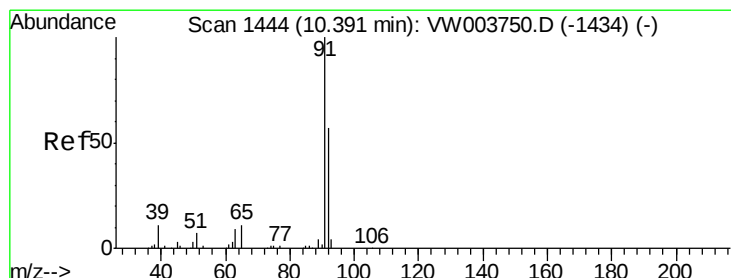
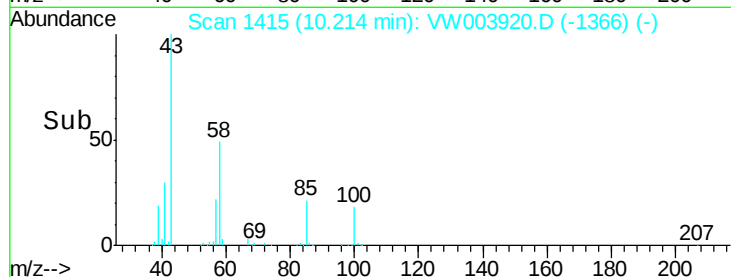
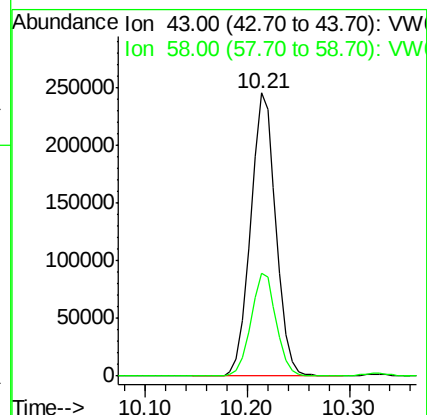
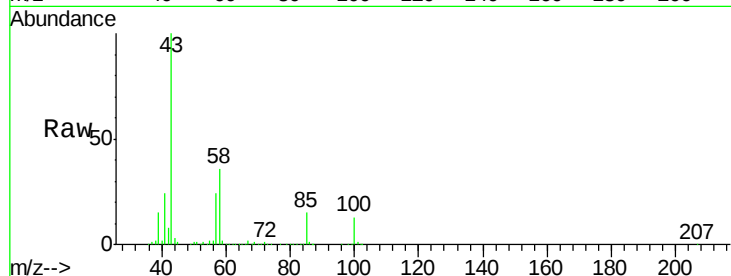
ClientSampled :

Tot Ion: 43 Resp: 422127

Ion Ratio Lower Upper

43 100

58 36.6 29.3 43.9



#52

Toluene

Concen: 53.506 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003920.D

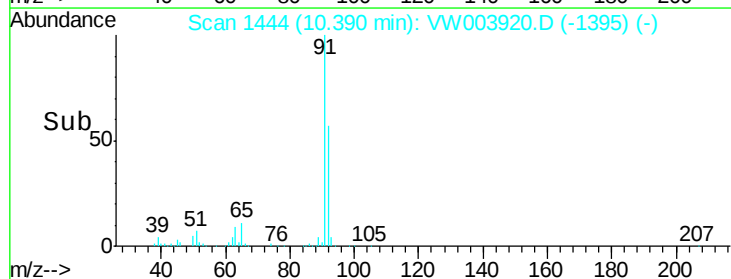
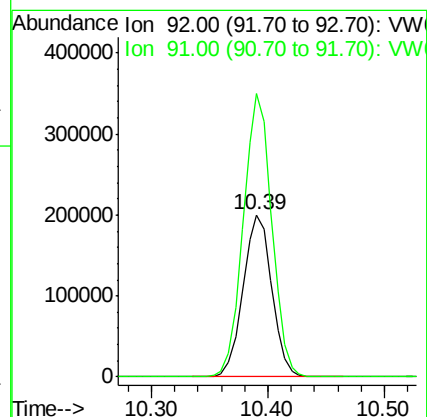
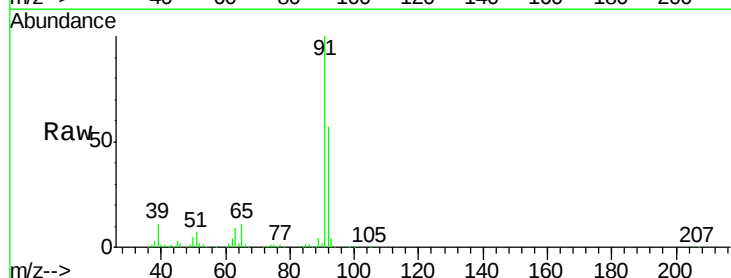
Acq: 13 Jul 2018 16:30

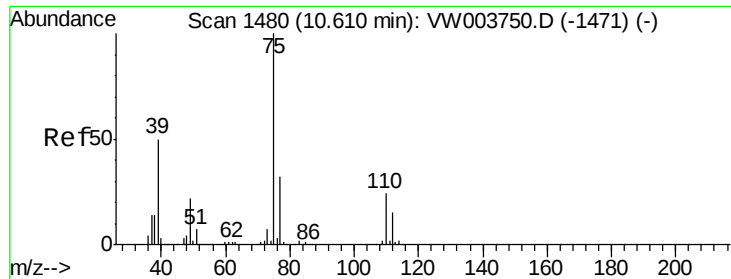
Tgt Ion: 92 Resp: 342928

Ion Ratio Lower Upper

92 100

91 173.9 140.6 211.0

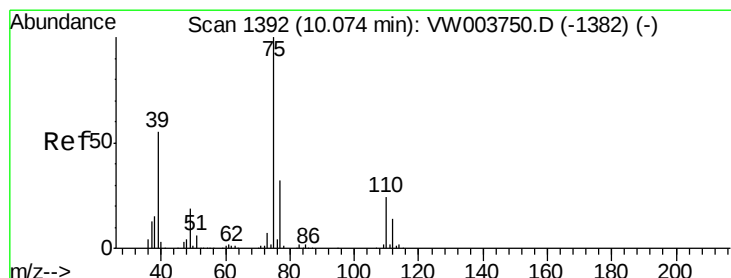
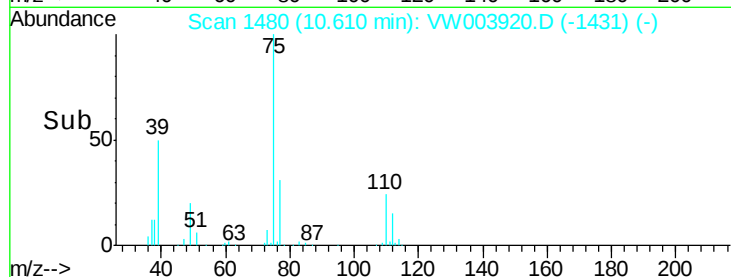
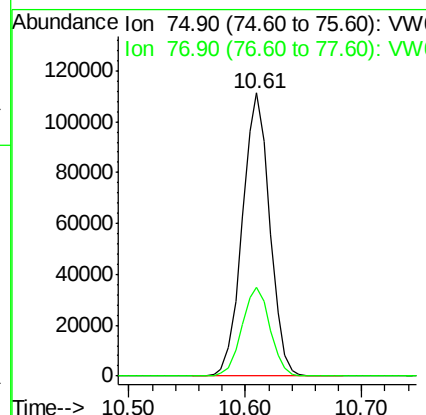
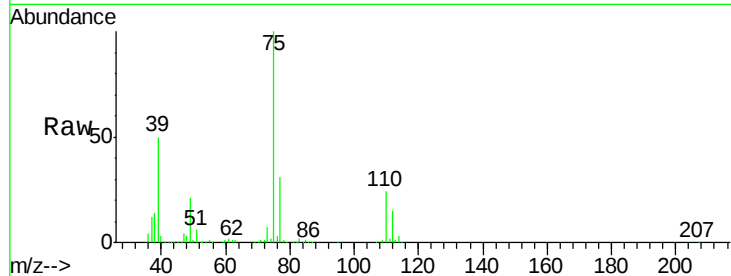




#53
t-1,3-Dichloropropene
Concen: 52.490 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

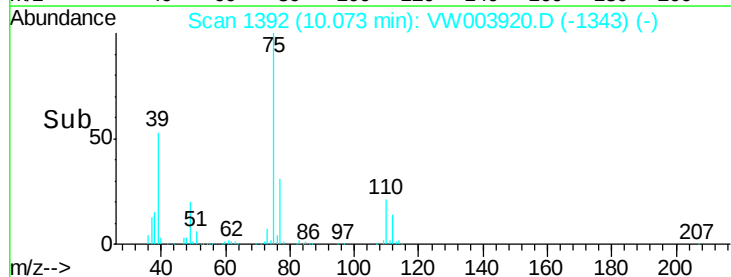
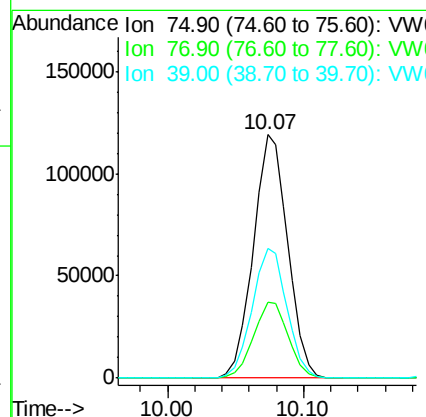
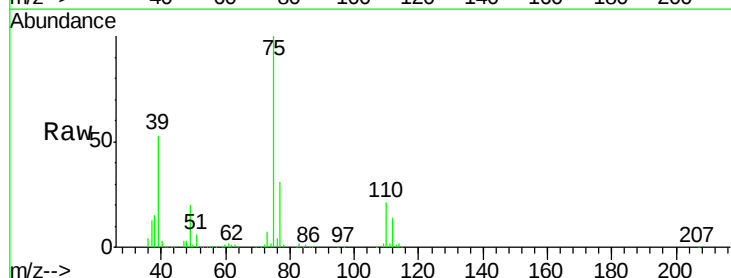
Instrument :
MSVOA_W
ClientSampleId :

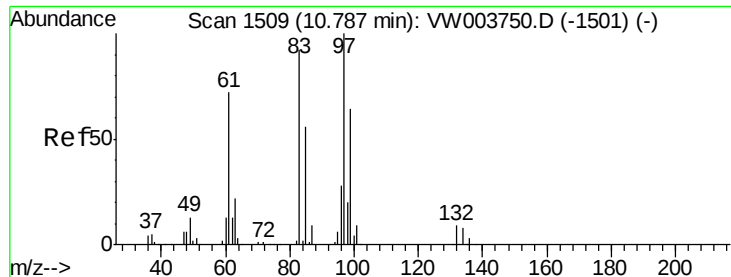
Tot Ion: 75 Resp: 182193
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 53.817 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 75 Resp: 210869
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
39 53.3 43.6 65.4





#55

1,1,2-Trichloroethane

Concen: 49.160 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 96482

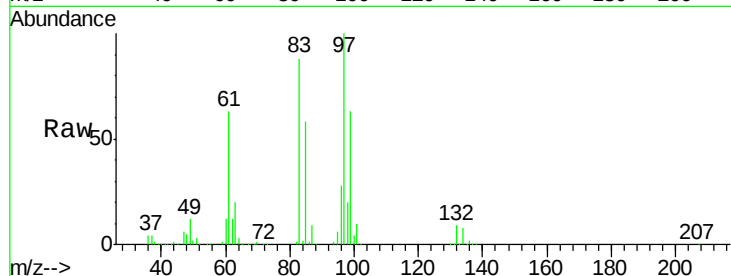
Ion	Ratio	Lower	Upper
97	100		
83	87.9	73.8	110.6
85	58.3	45.0	67.4
99	62.8	51.2	76.8

97 100

83 87.9 73.8 110.6

85 58.3 45.0 67.4

99 62.8 51.2 76.8



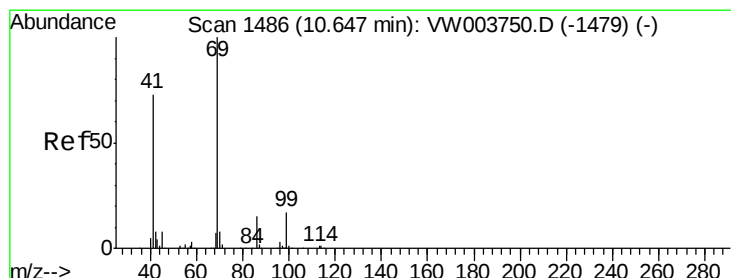
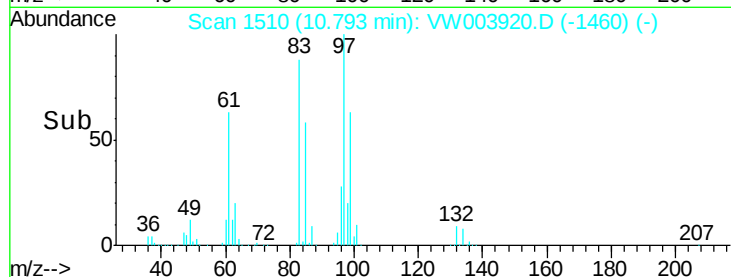
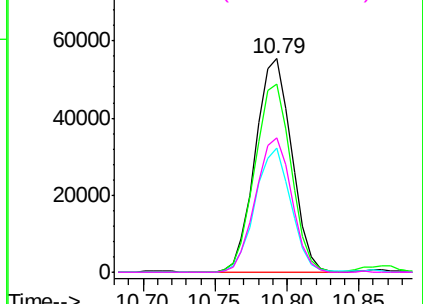
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 51.427 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

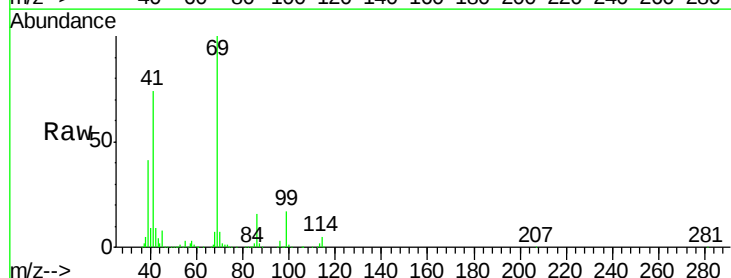
Tgt Ion: 69 Resp: 123168

Ion	Ratio	Lower	Upper
69	100		
41	73.3	59.0	88.4
39	36.4	32.8	49.2

69 100

41 73.3 59.0 88.4

39 36.4 32.8 49.2

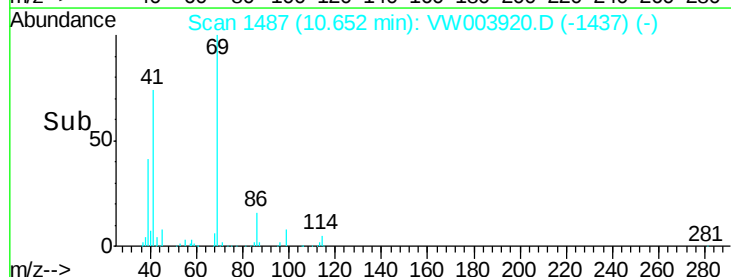
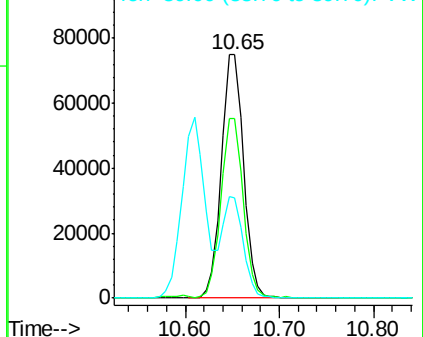


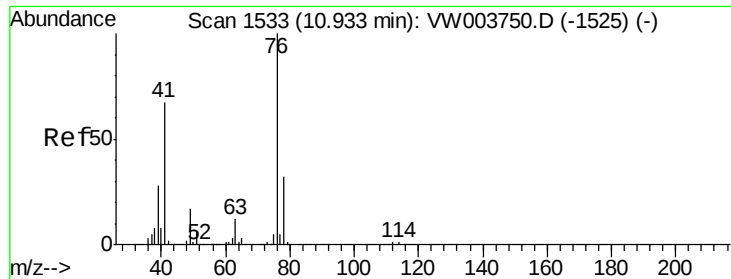
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

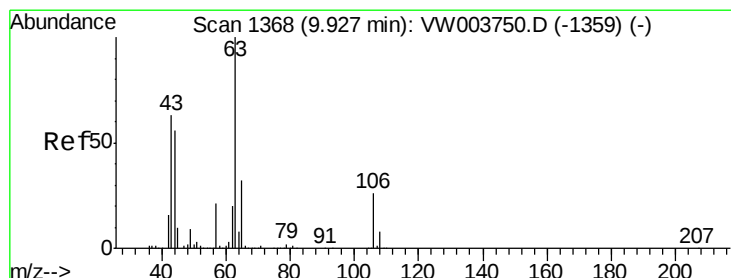
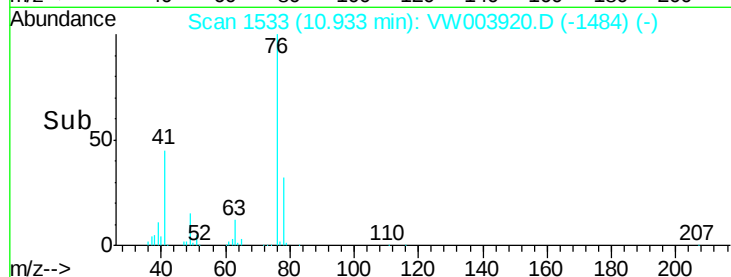
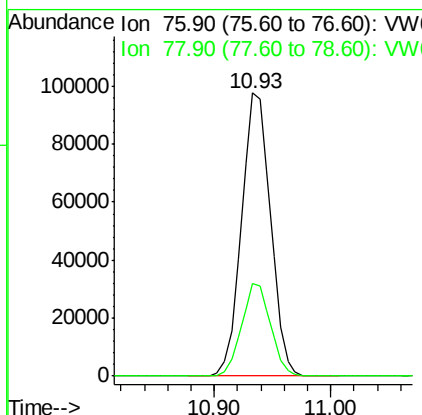
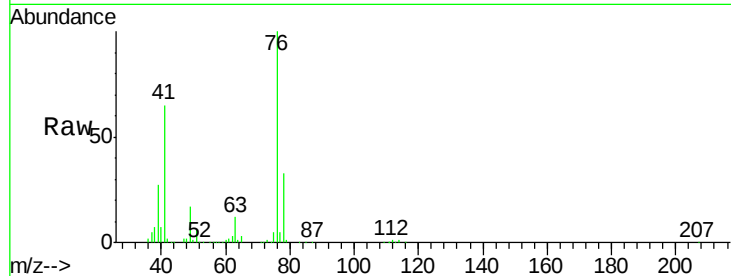




#57
 1,3-Dichloropropane
 Concen: 49.673 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

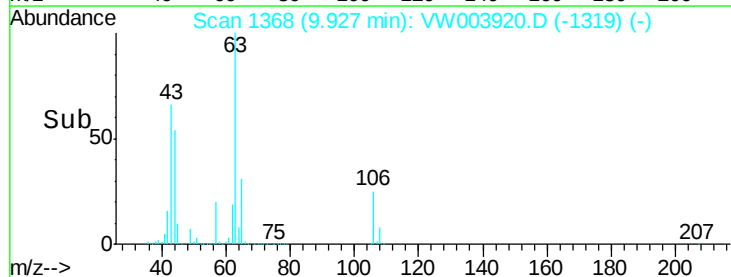
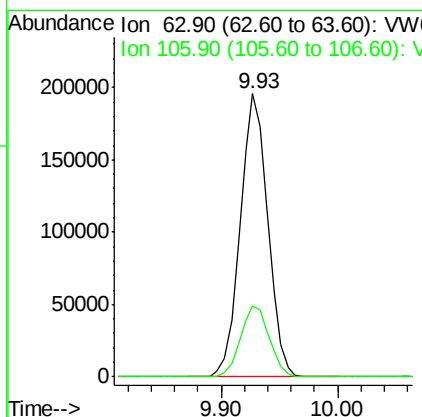
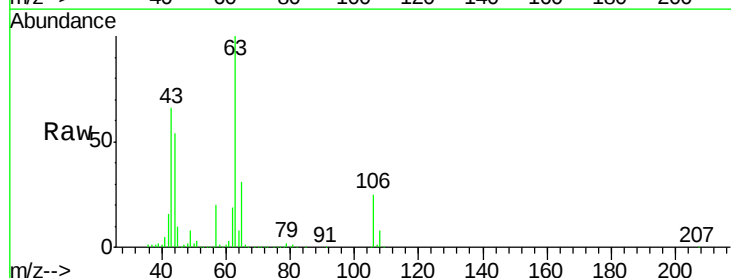
Instrument :
 MSVOA_W
 ClientSampleId :

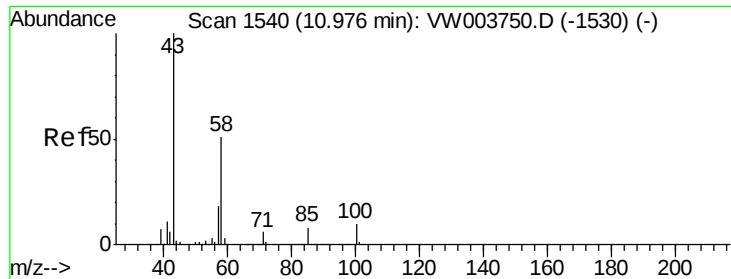
Tot Ion: 76 Resp: 169918
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.367 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 63 Resp: 322398
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.9 31.3

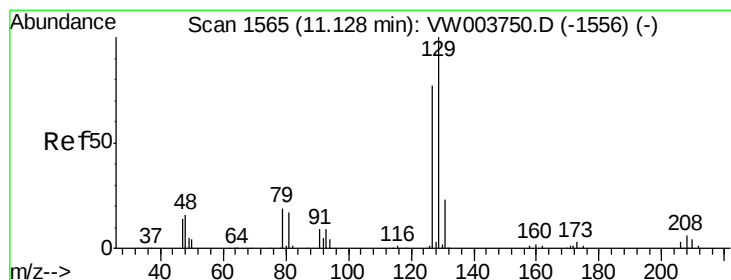
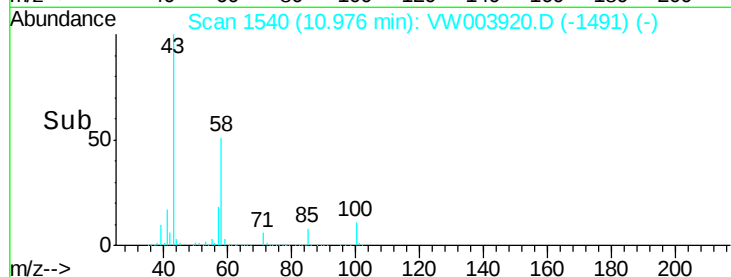
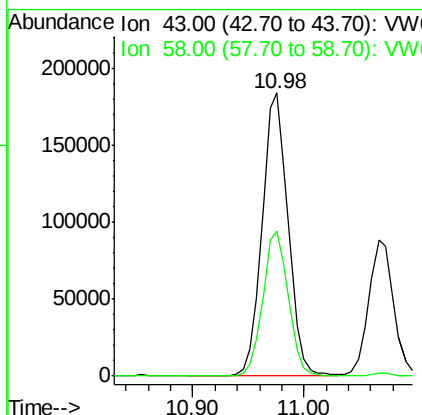
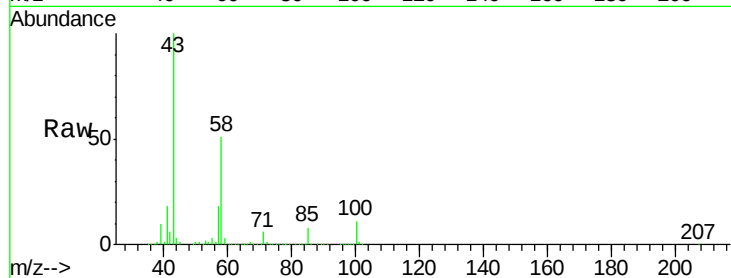




#59
2-Hexanone
Concen: 252.751 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

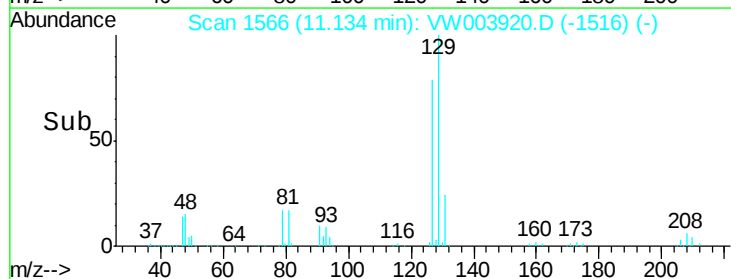
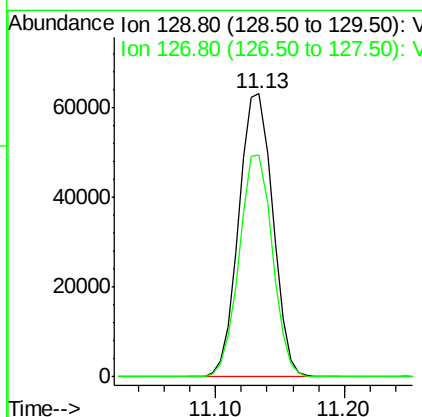
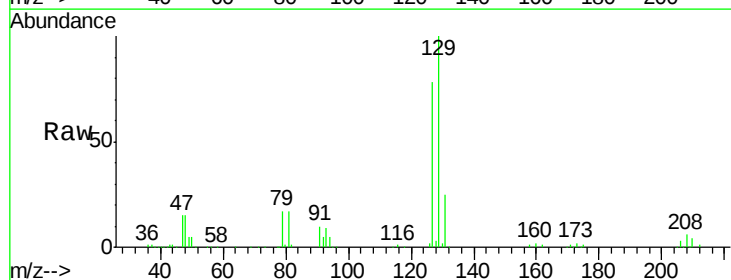
Instrument :
MSVOA_W
ClientSampled :

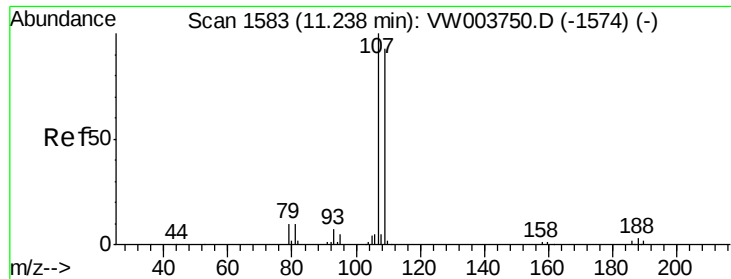
Tot Ion: 43 Resp: 299441
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.2



#60
Dibromochloromethane
Concen: 50.441 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 129 Resp: 115561
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6

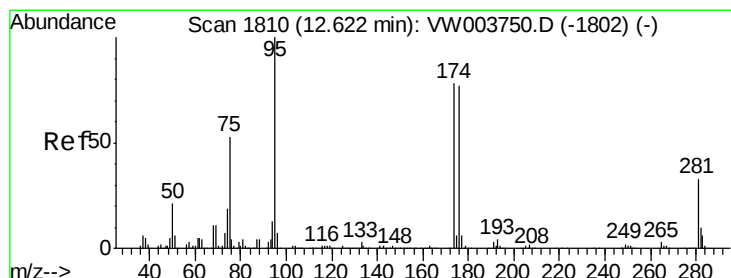
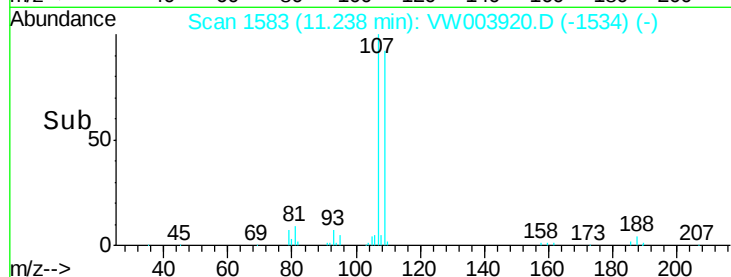
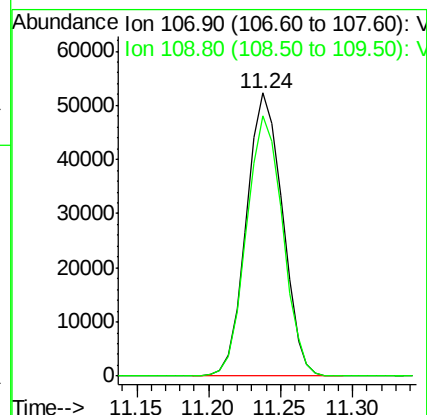
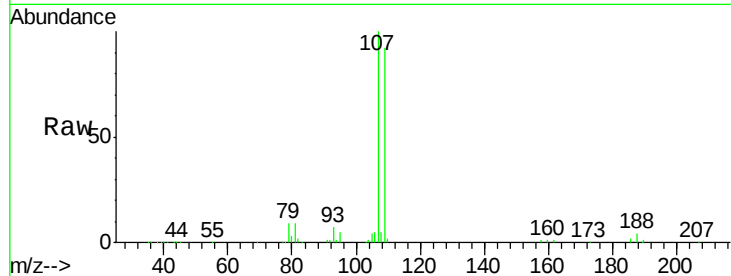




#61
 1,2-Dibromoethane
 Concen: 48.236 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

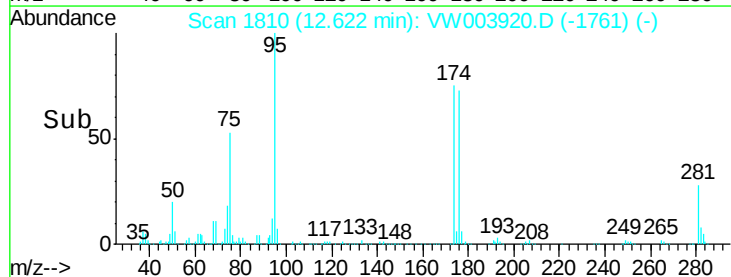
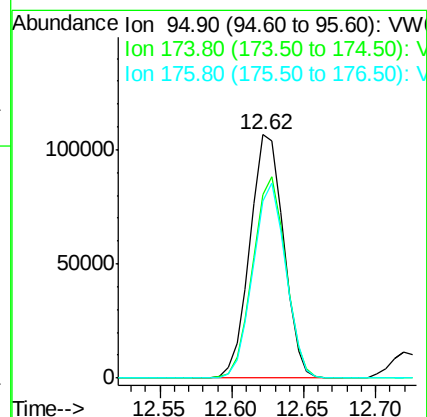
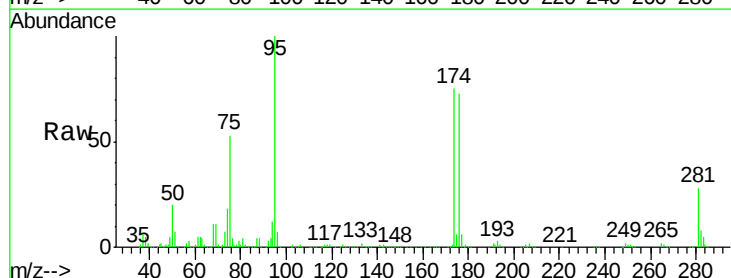
Instrument :
 MSVOA_W
 ClientSampled :

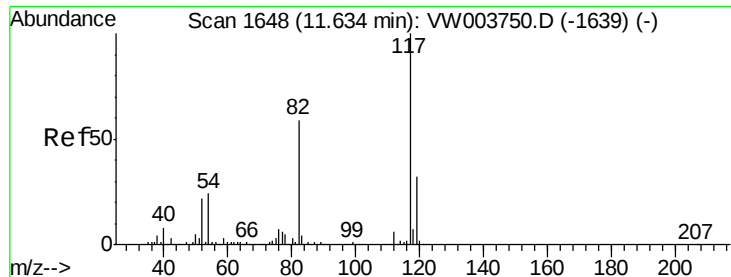
Tot Ion: 107 Resp: 90533
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.190 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 95 Resp: 172258
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 163.4
 176 78.0 0.0 156.8

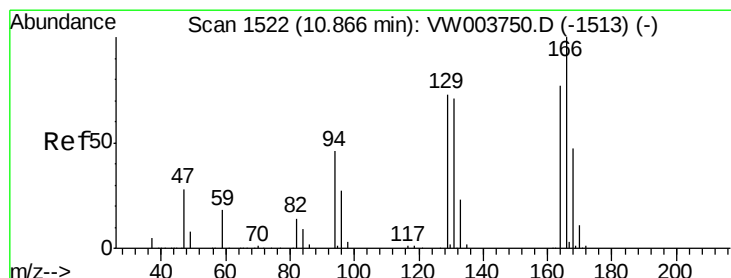
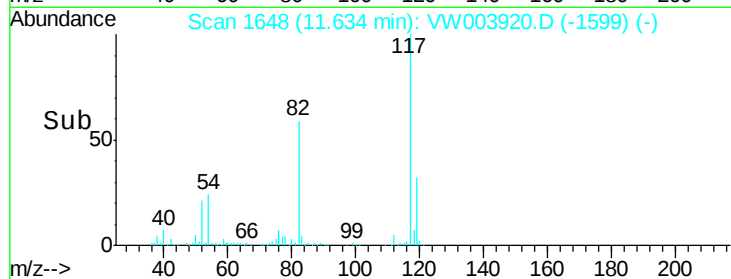
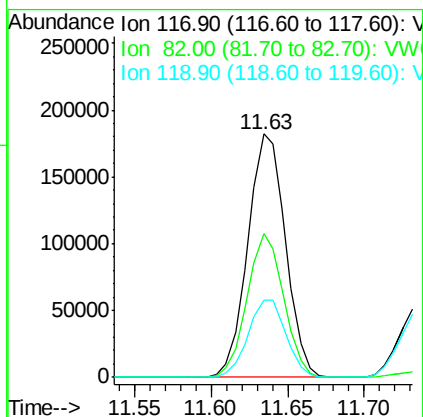
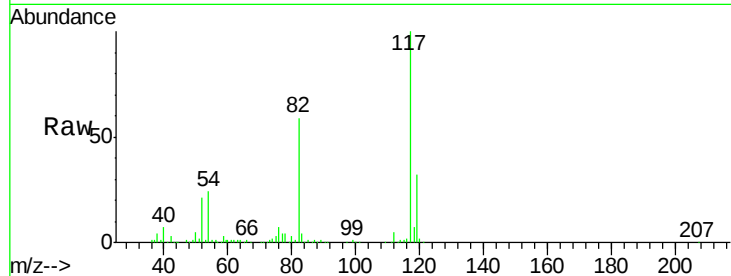




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

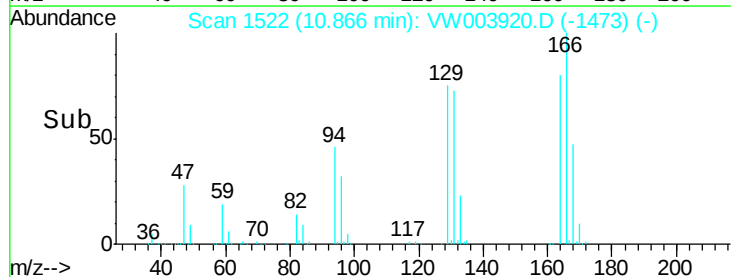
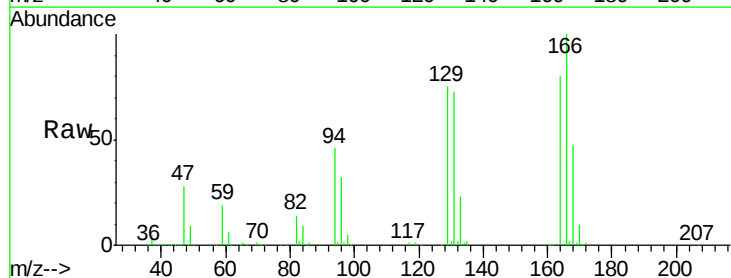
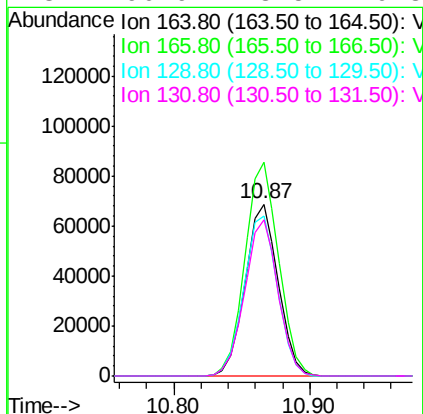
Instrument :
MSVOA_W
ClientSampleId :

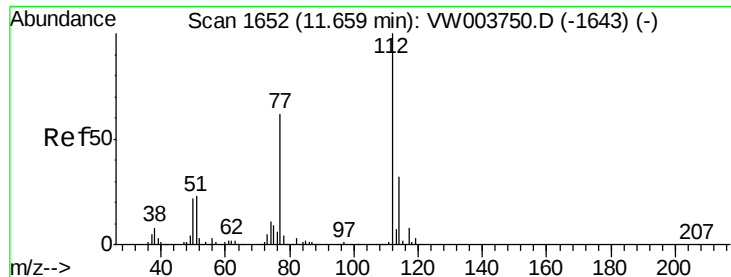
Tot Ion:117 Resp: 311667
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 50.579 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion:164 Resp: 116604
Ion Ratio Lower Upper
164 100
166 124.3 104.2 156.4
129 93.4 75.8 113.8
131 90.9 73.5 110.3





#65

Chlorobenzene

Concen: 52.673 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

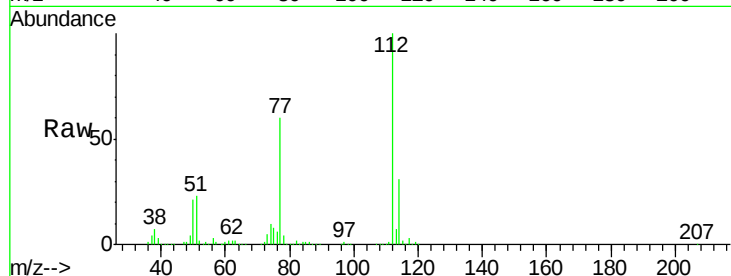
ClientSampleId :

Tot Ion:112 Resp: 361895

Ion Ratio Lower Upper

112 100

114 30.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

50000

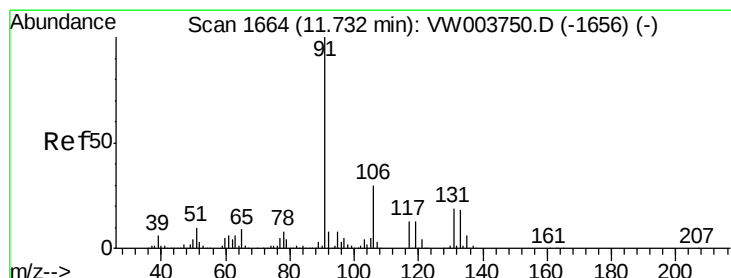
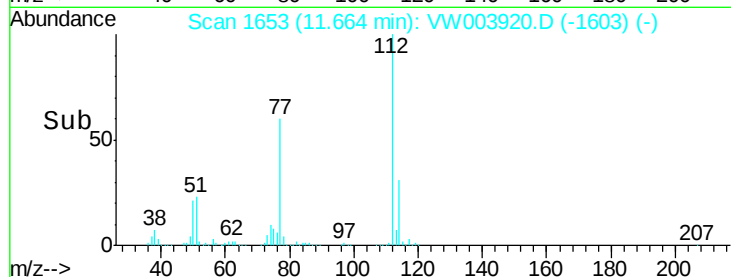
0

11.66

11.60

11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.348 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

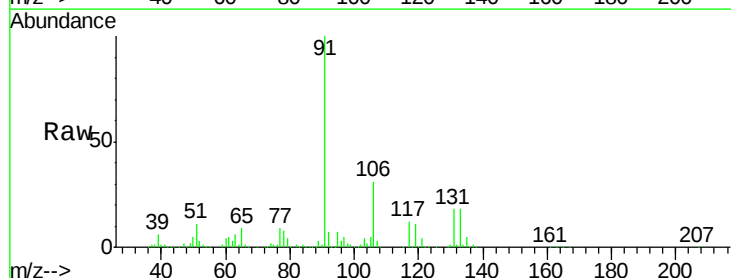
Tgt Ion:131 Resp: 128085

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

119 64.3 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

40000

20000

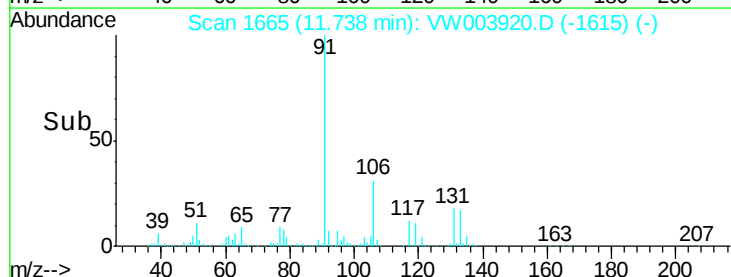
0

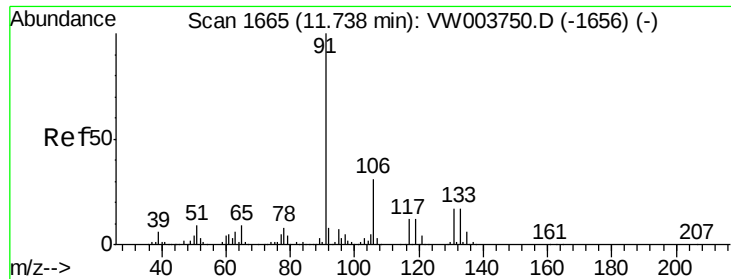
11.74

11.70

11.80

Time-->

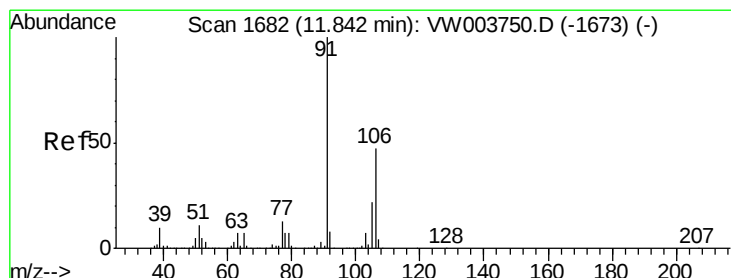
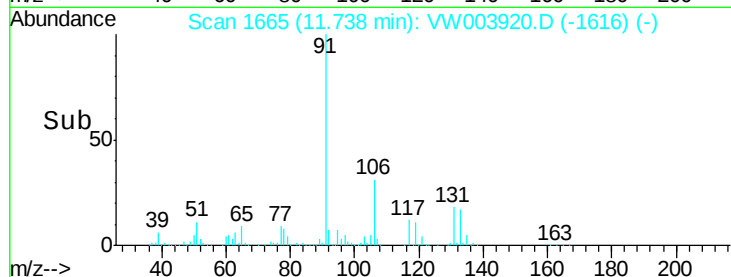
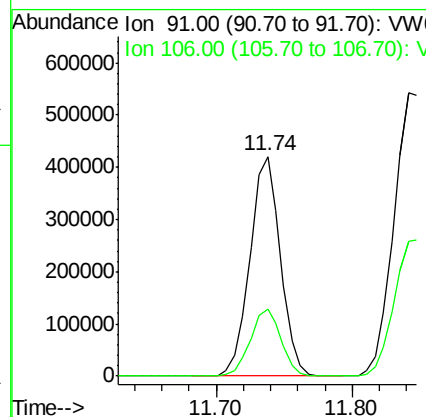
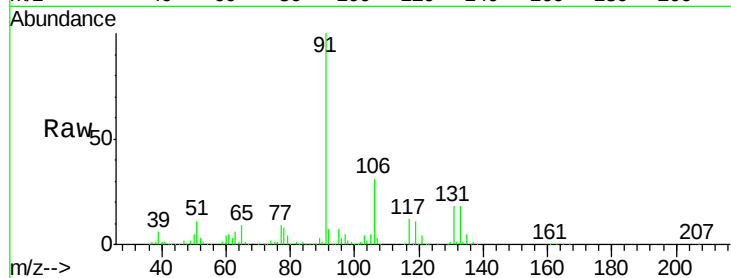




#67
Ethyl Benzene
Concen: 56.102 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

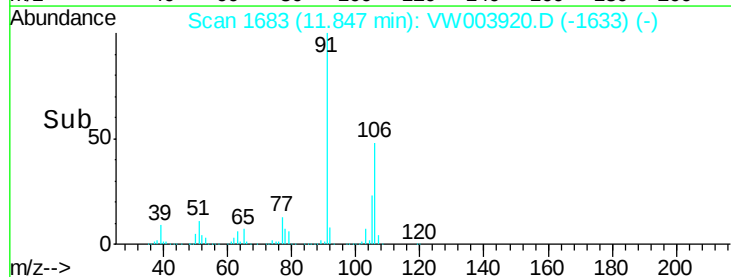
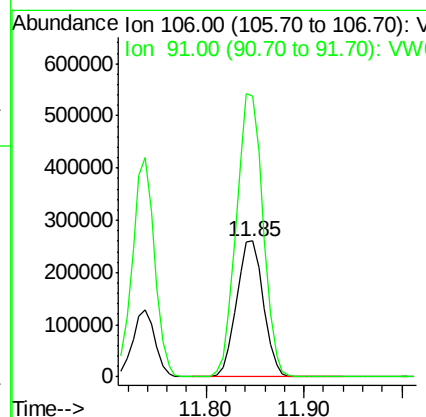
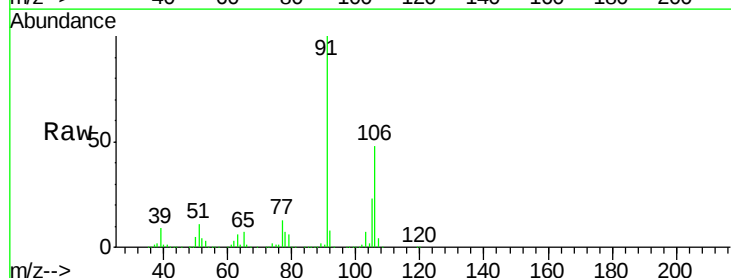
Instrument :
MSVOA_W
ClientSampled :

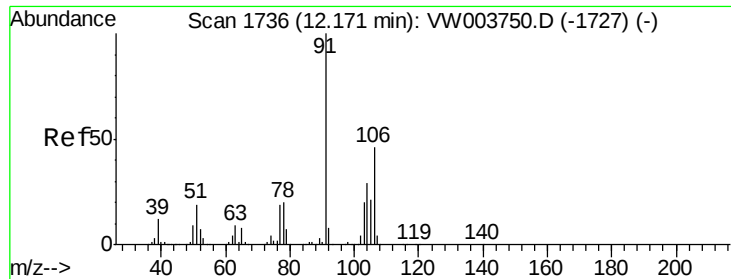
Tot Ion: 91 Resp: 659098
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#68
m/p-Xylenes
Concen: 110.028 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 106 Resp: 494990
Ion Ratio Lower Upper
106 100
91 207.2 164.3 246.5

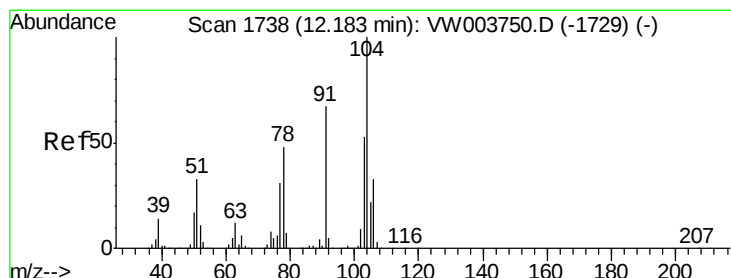
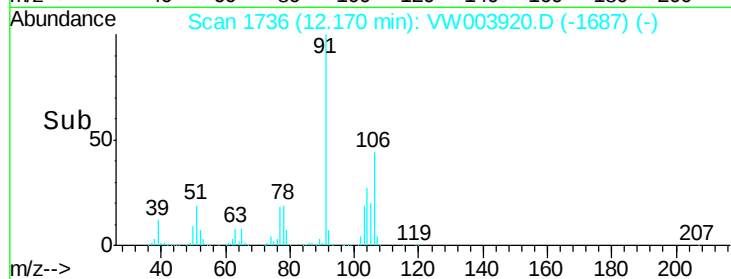
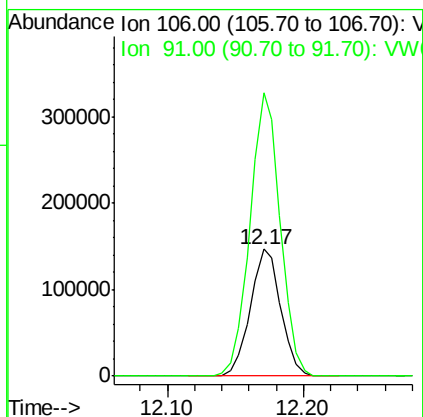
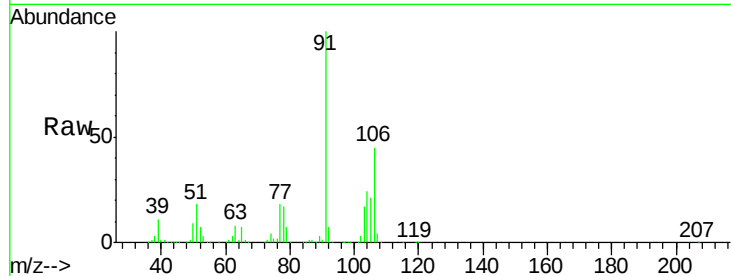




#69
o-Xylene
Concen: 55.407 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

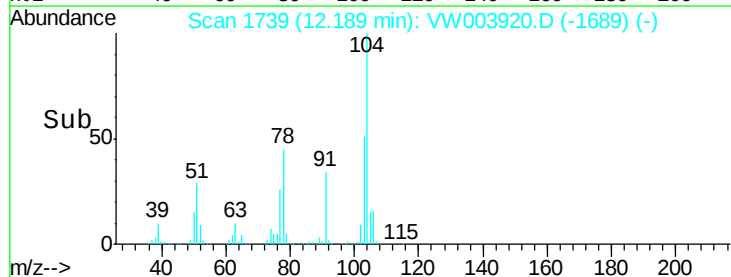
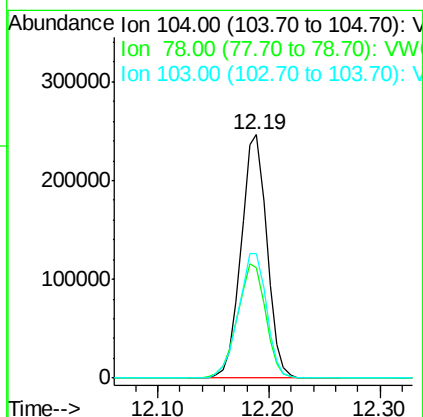
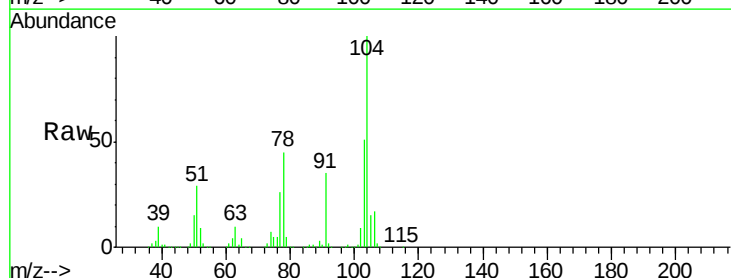
Instrument :
MSVOA_W
ClientSampled :

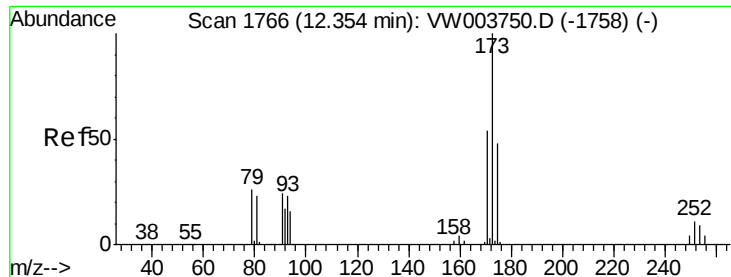
Tot Ion:106 Resp: 230003
Ion Ratio Lower Upper
106 100
91 222.0 109.1 327.2



#70
Styrene
Concen: 56.148 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion:104 Resp: 396353
Ion Ratio Lower Upper
104 100
78 51.3 41.1 61.7
103 56.0 44.6 67.0





#71

Bromoform

Concen: 51.196 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

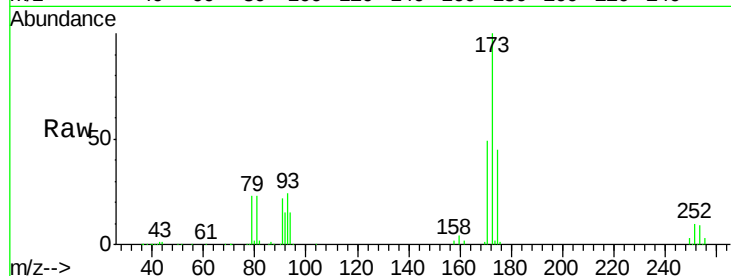
Tot Ion:173 Resp: 67835

Ion Ratio Lower Upper

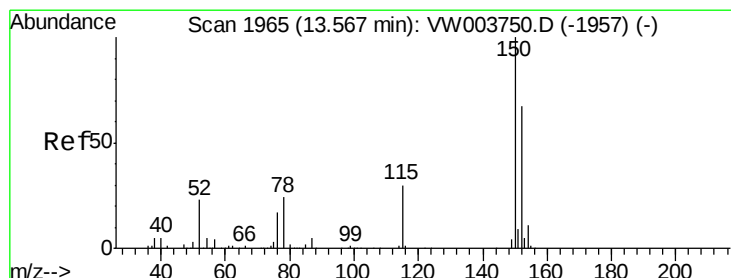
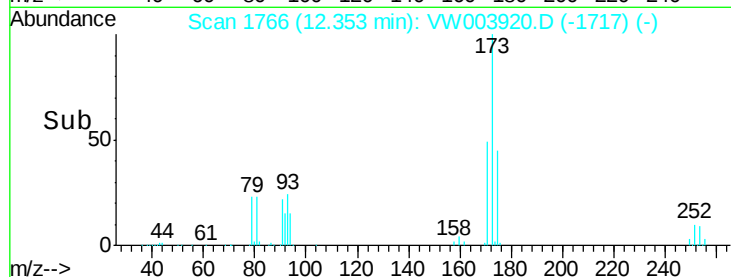
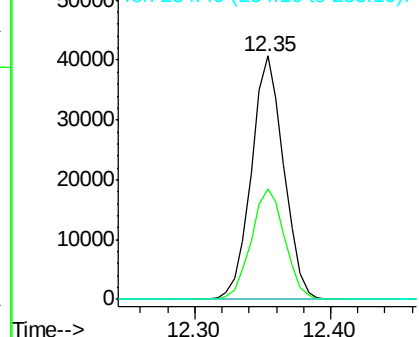
173 100

175 46.9 24.1 72.4

254 0.2 0.0 0.0#



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# 1965

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

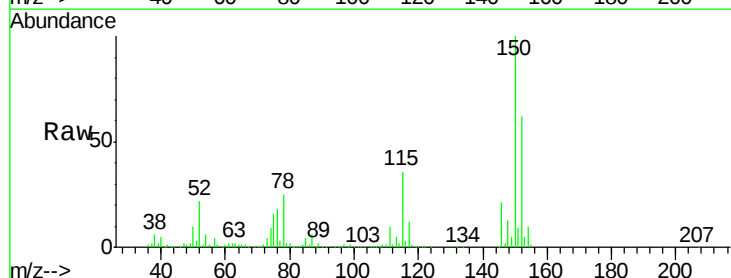
Tgt Ion:152 Resp: 164365

Ion Ratio Lower Upper

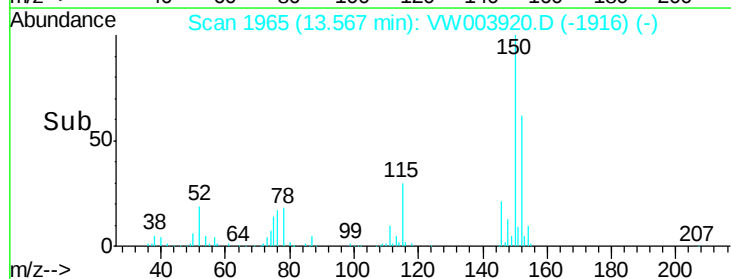
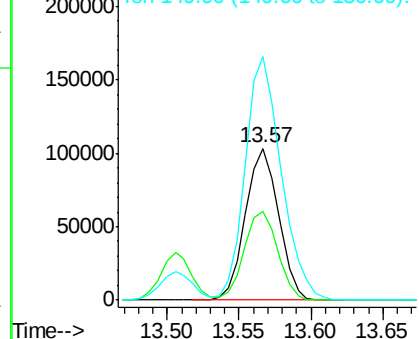
152 100

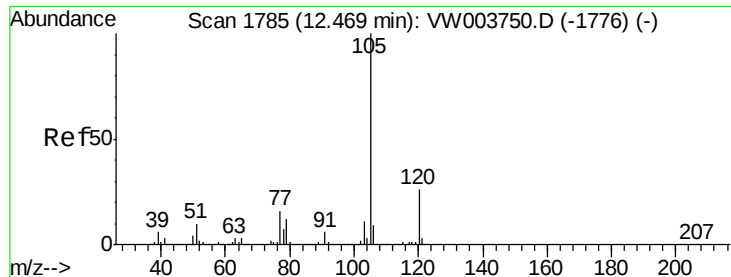
115 58.8 28.9 86.8

150 174.8 0.0 342.4



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: 59.348 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

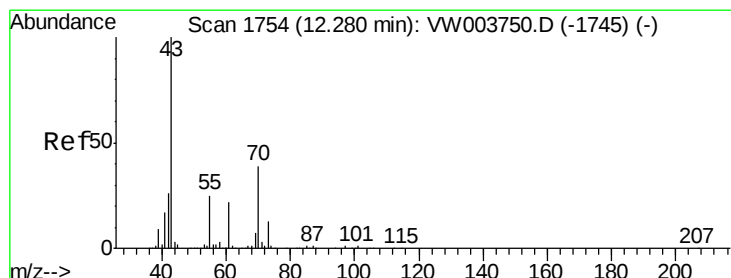
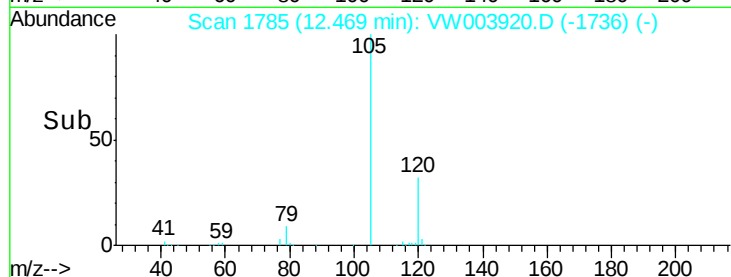
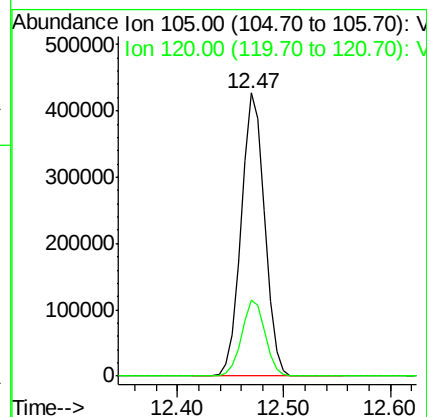
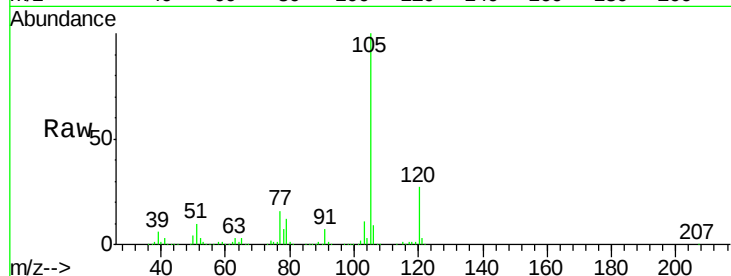
ClientSampleId :

Tot Ion:105 Resp: 660621

Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.3



#74

N-ethyl acetate

Concen: 50.985 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Tgt Ion: 43 Resp: 153833

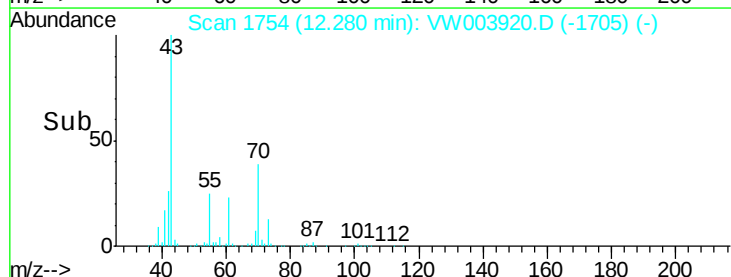
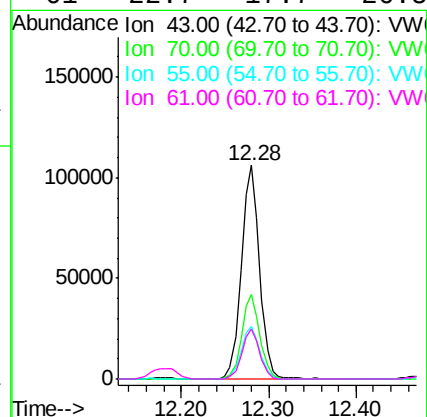
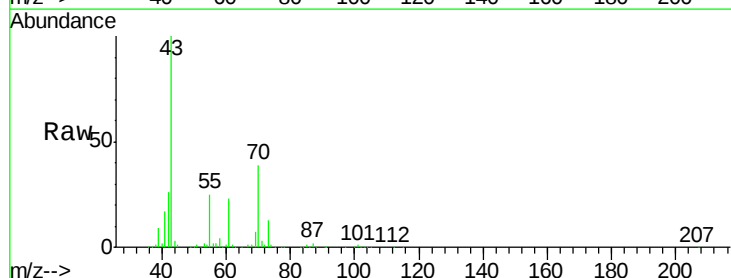
Ion Ratio Lower Upper

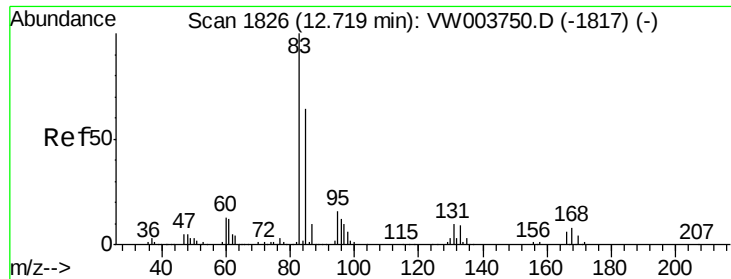
43 100

70 39.0 31.3 46.9

55 25.2 20.1 30.1

61 22.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.686 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

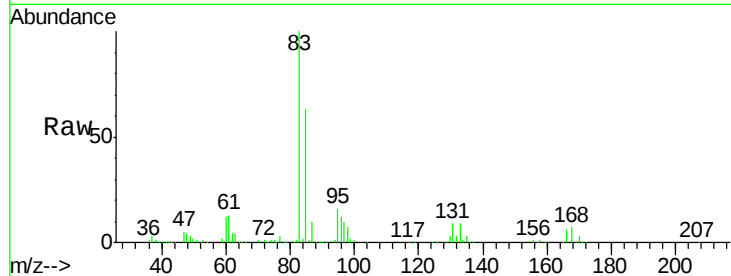
Tot Ion: 83 Resp: 114375

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.4

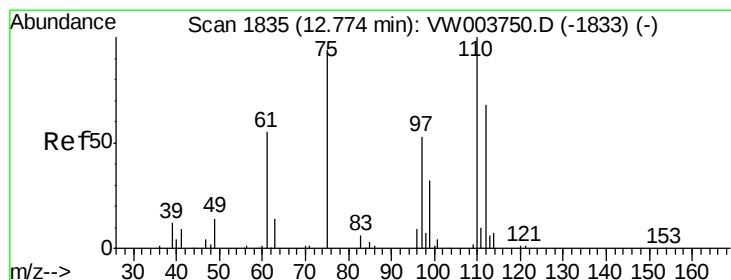
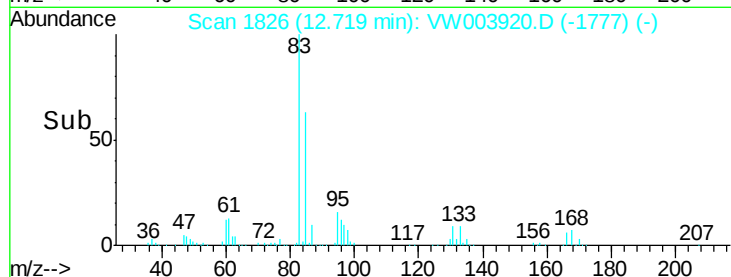
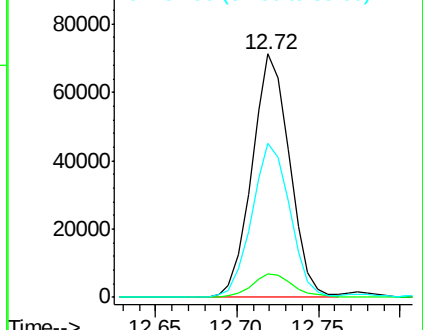
85 64.1 32.1 96.3



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: 94.668 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003920.D

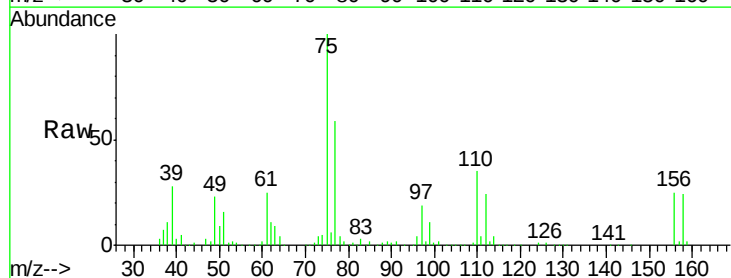
Acq: 13 Jul 2018 16:30

Tgt Ion: 75 Resp: 152798

Ion Ratio Lower Upper

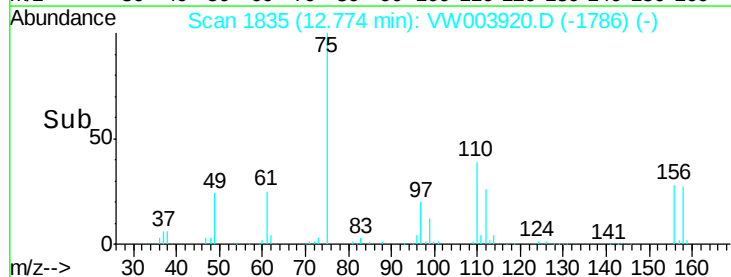
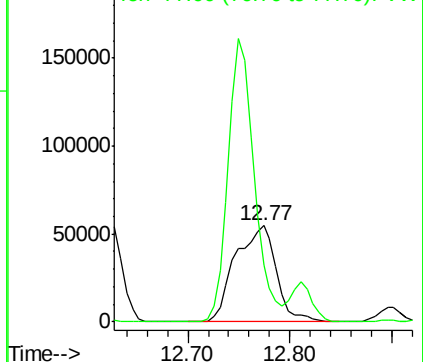
75 100

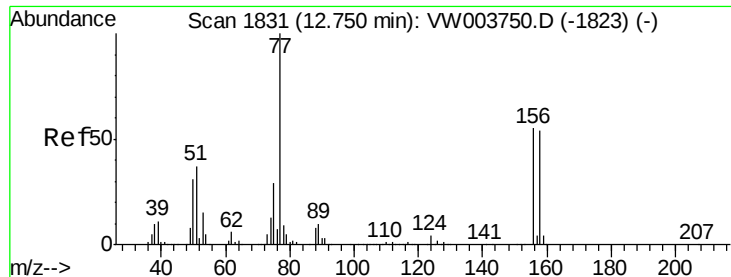
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

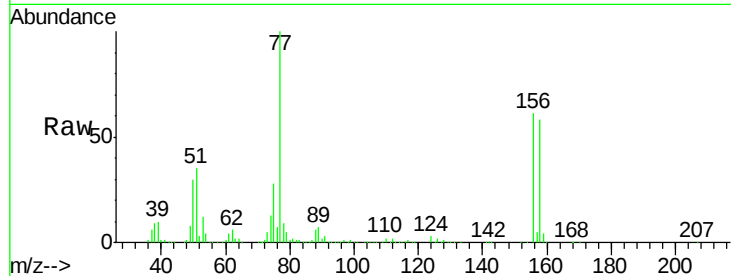




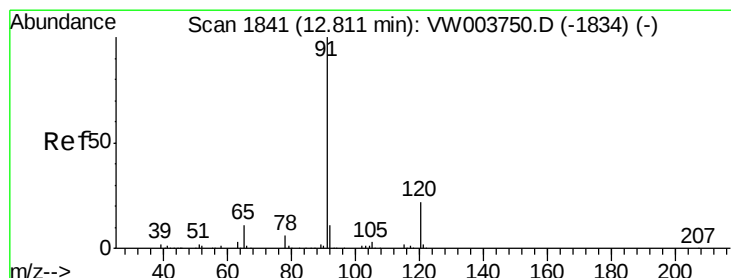
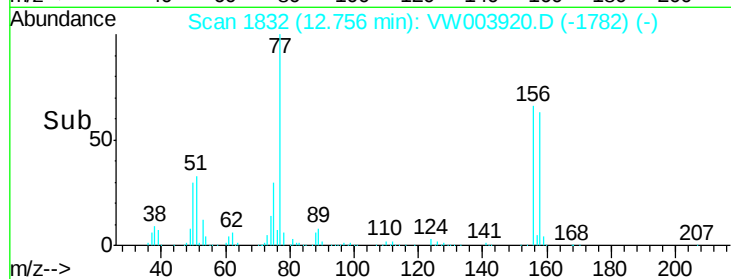
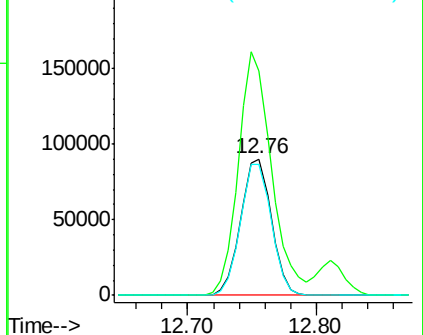
#77
Bromobenzene
Concen: 53.823 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:156 Resp: 148736
Ion Ratio Lower Upper
156 100
77 192.8 98.7 296.0
158 97.1 49.0 147.0

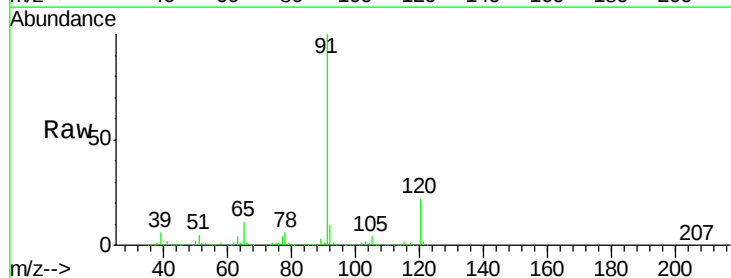


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

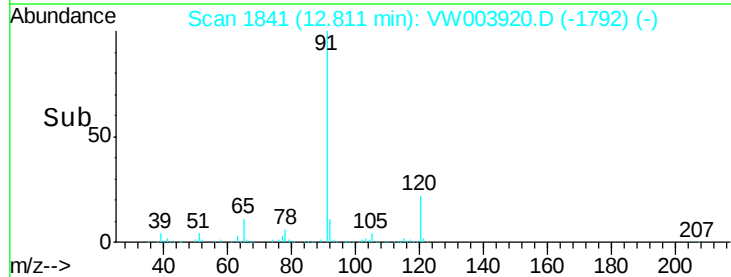
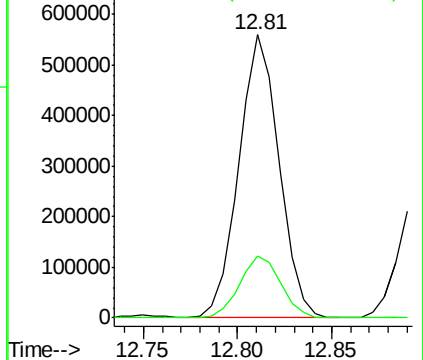


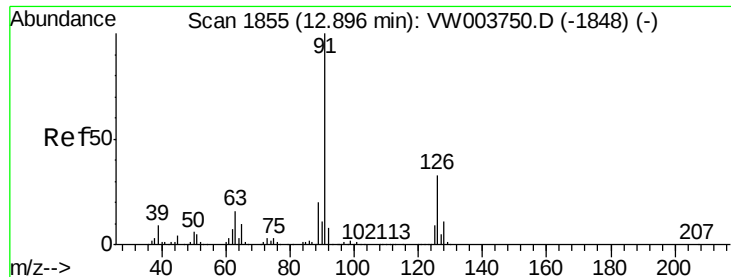
#78
n-propylbenzene
Concen: 59.221 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion: 91 Resp: 827500
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.268 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

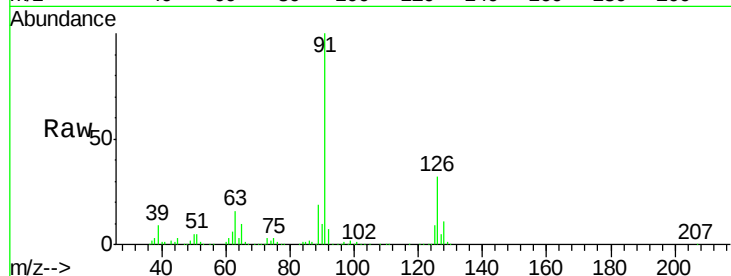
ClientSampleId :

Tot Ion: 91 Resp: 459732

Ion Ratio Lower Upper

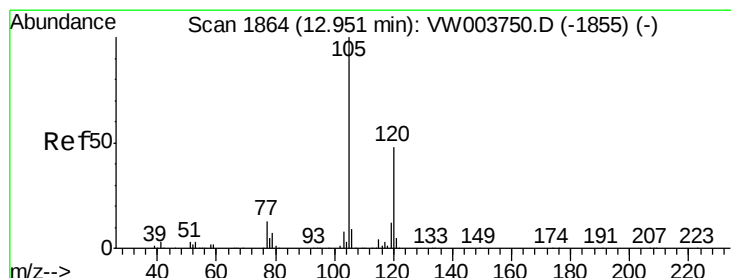
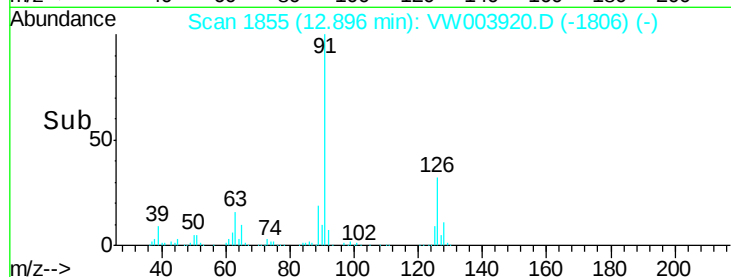
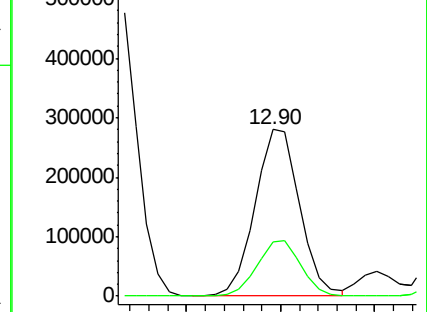
91 100

126 33.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.354 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003920.D

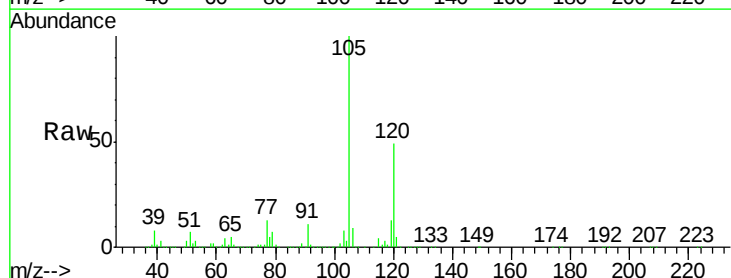
Acq: 13 Jul 2018 16:30

Tgt Ion: 105 Resp: 559841

Ion Ratio Lower Upper

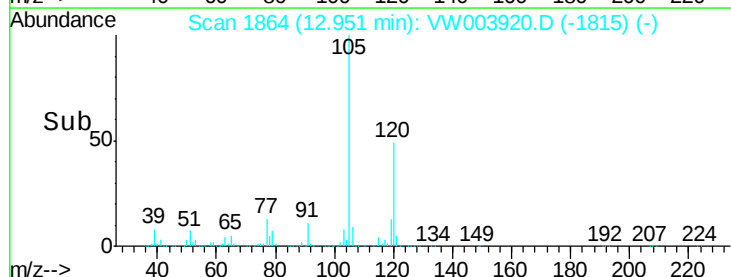
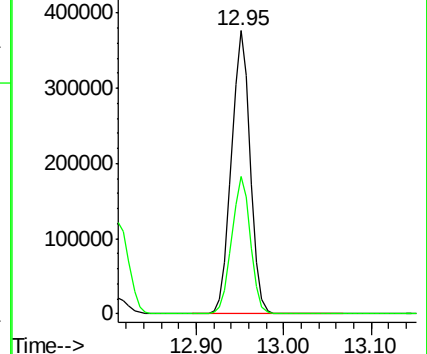
105 100

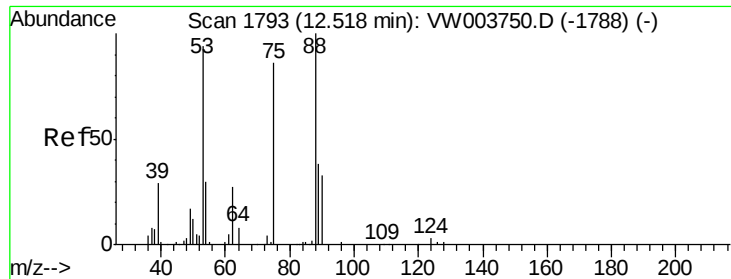
120 48.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.328 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

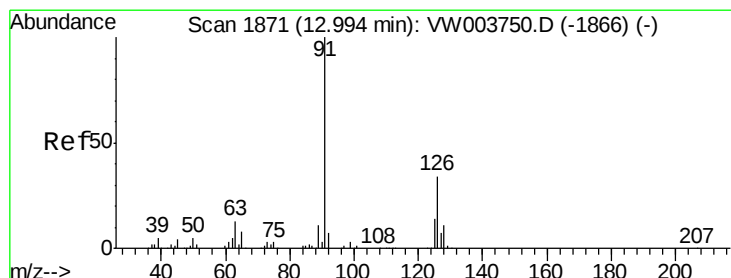
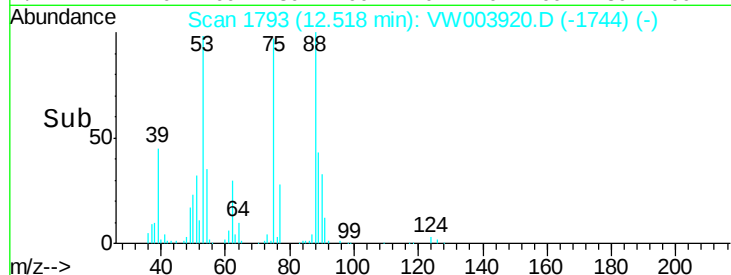
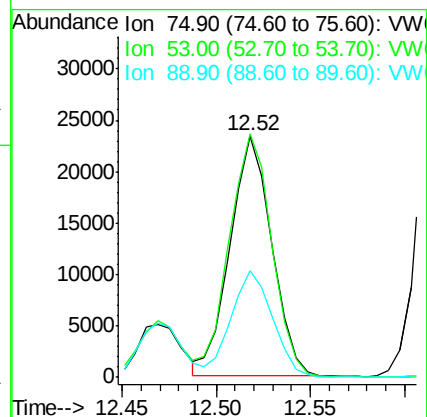
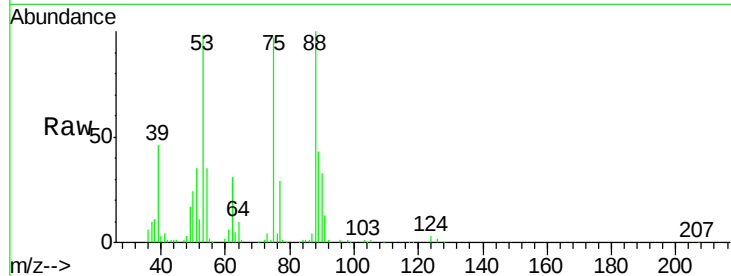
Tot Ion: 75 Resp: 35846

Ion Ratio Lower Upper

75 100

53 103.0 85.0 127.6

89 44.3 36.3 54.5



#82

4-Chlorotoluene

Concen: 55.716 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003920.D

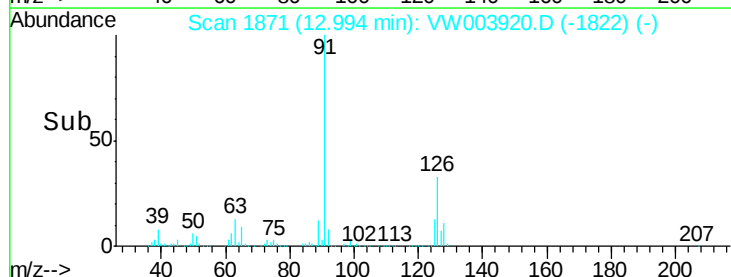
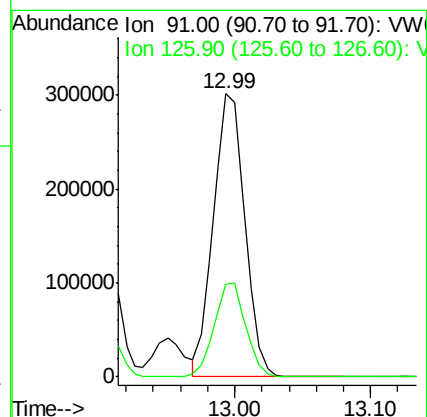
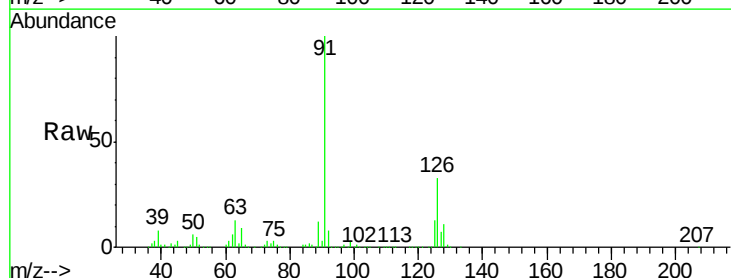
Acq: 13 Jul 2018 16:30

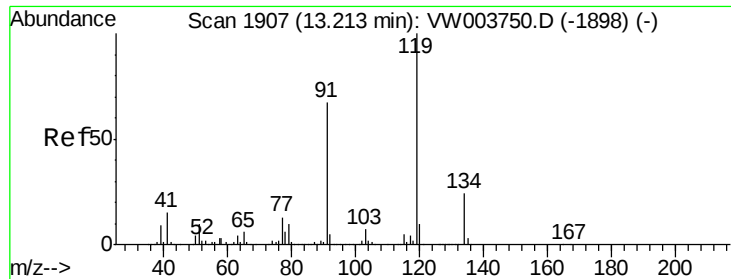
Tgt Ion: 91 Resp: 480960

Ion Ratio Lower Upper

91 100

126 33.4 16.5 49.5

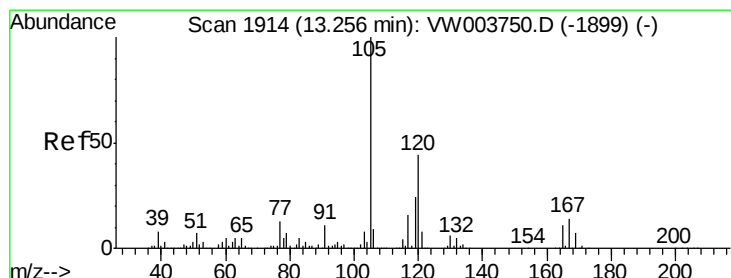
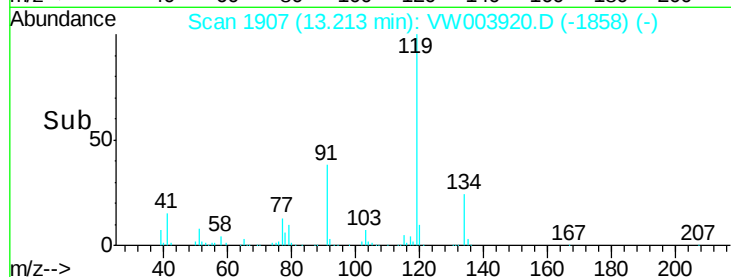
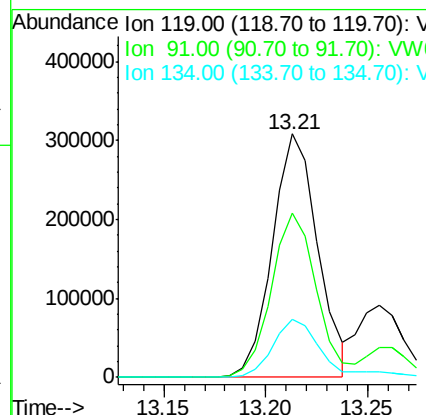
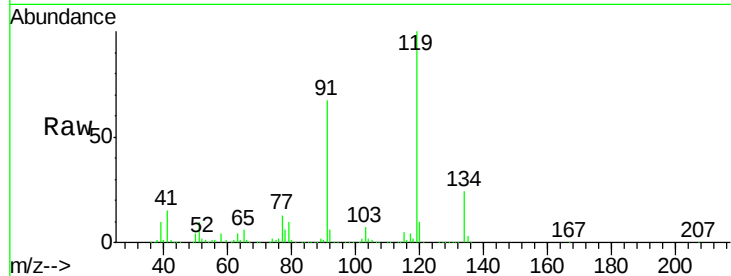




#83
tert-Butylbenzene
Concen: 60.302 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

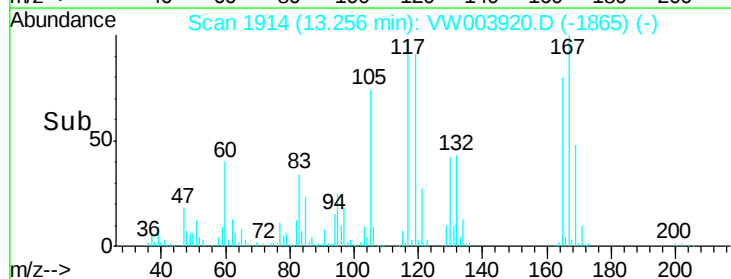
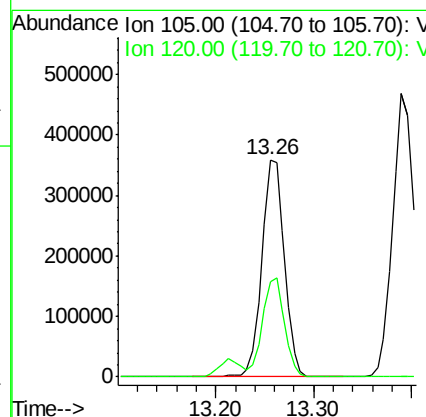
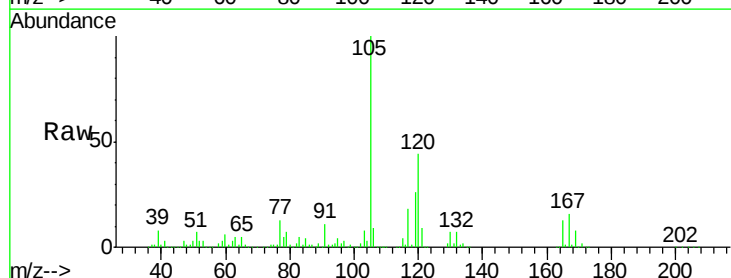
Instrument :
MSVOA_W
ClientSampled :

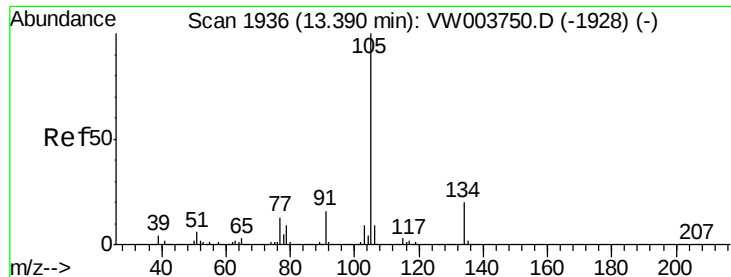
Tot Ion:119 Resp: 477119
Ion Ratio Lower Upper
119 100
91 67.7 33.0 98.9
134 24.0 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 57.395 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion:105 Resp: 572038
Ion Ratio Lower Upper
105 100
120 44.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 59.957 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

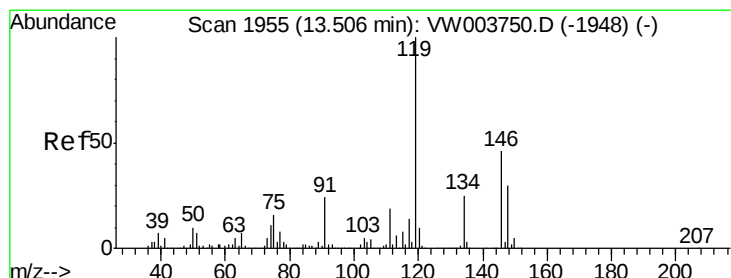
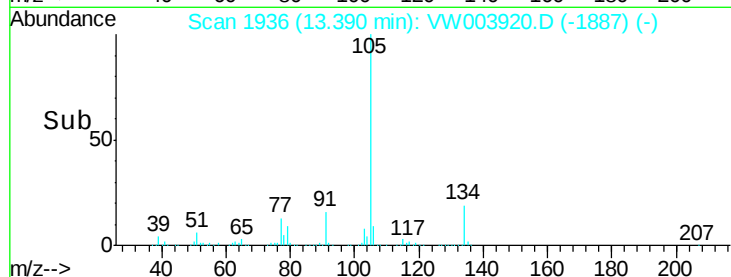
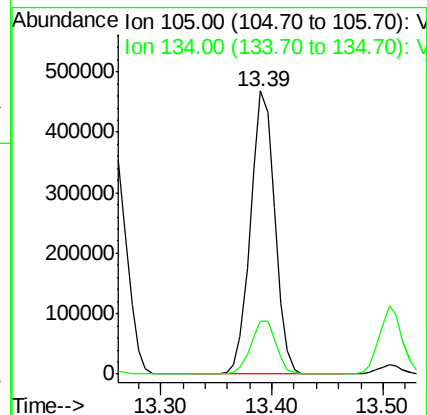
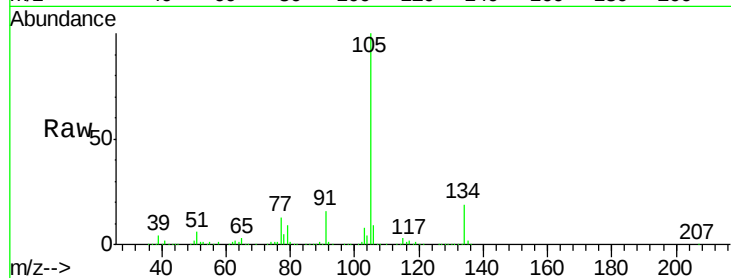
ClientSampleId :

Tot Ion:105 Resp: 709648

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.4



#86

p-Isopropyltoluene

Concen: 59.483 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

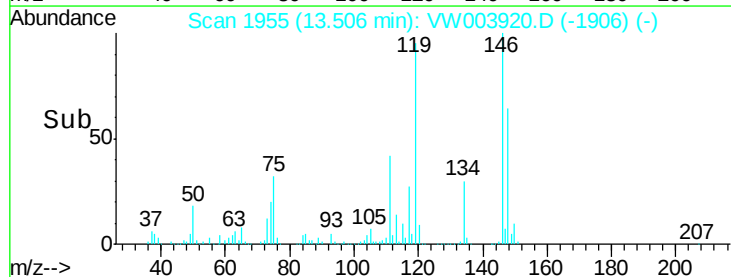
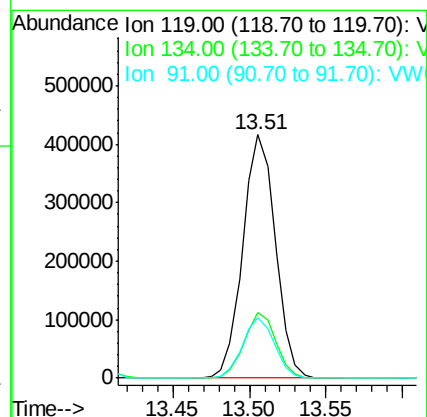
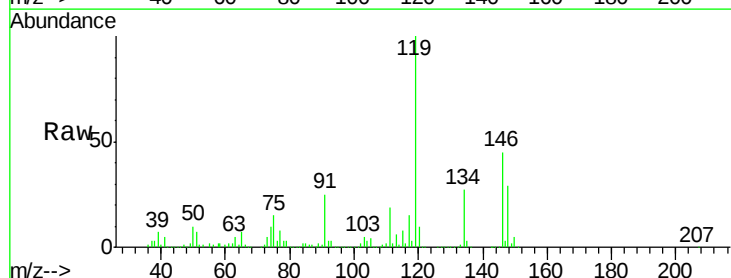
Tgt Ion:119 Resp: 615200

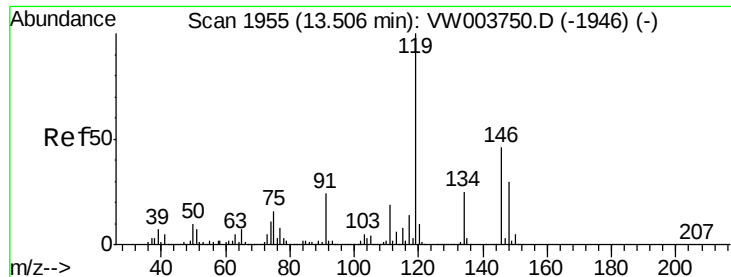
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 24.2 11.9 35.9

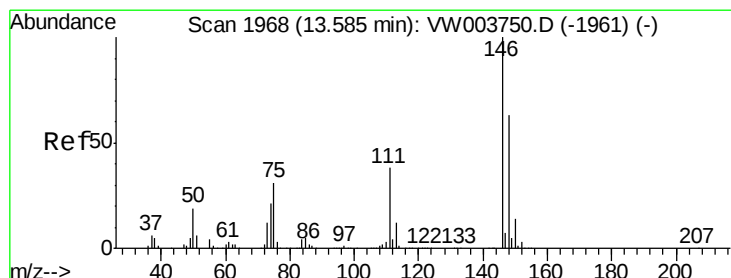
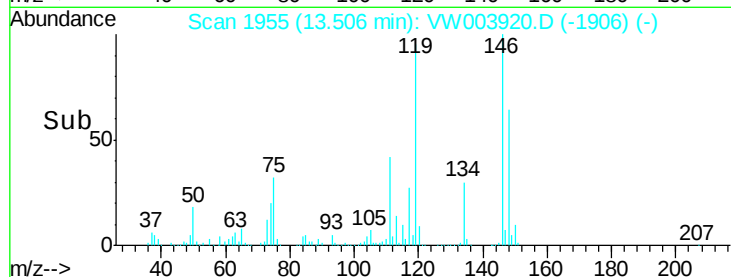
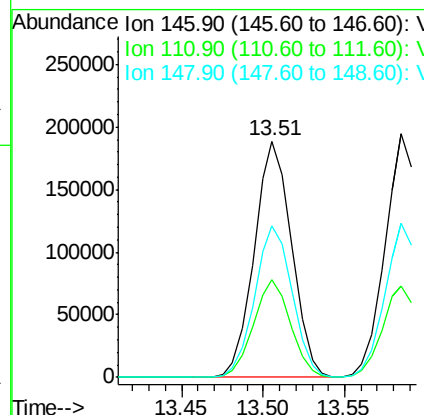
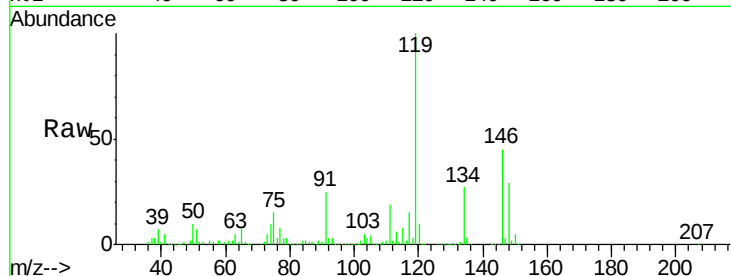




#87
 1,3-Dichlorobenzene
 Concen: 53.681 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

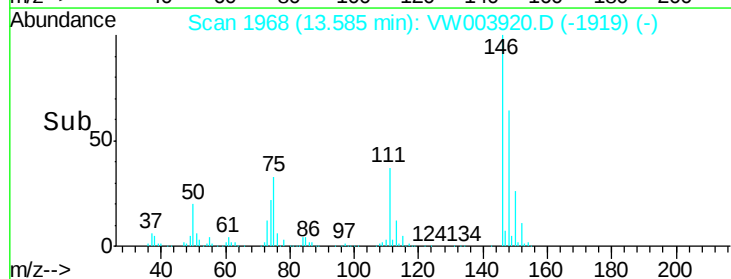
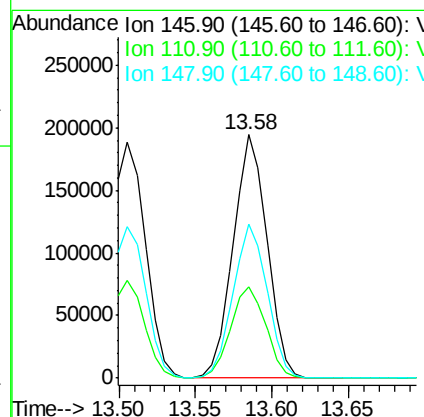
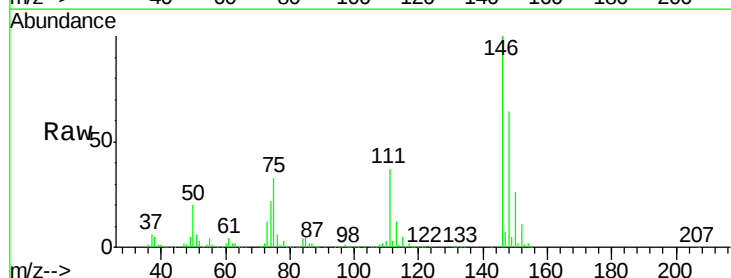
Instrument :
 MSVOA_W
 ClientSampled :

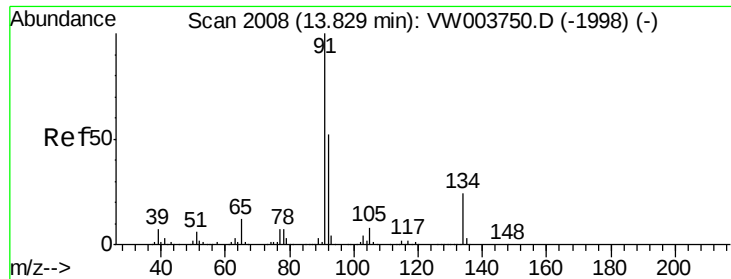
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.5
148	64.1	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 53.048 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	63.8	31.9	95.7





#89

n-Butylbenzene

Concen: 59.969 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003920.D

Acq: 13 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

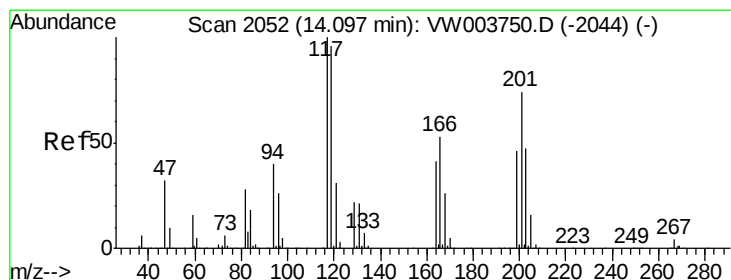
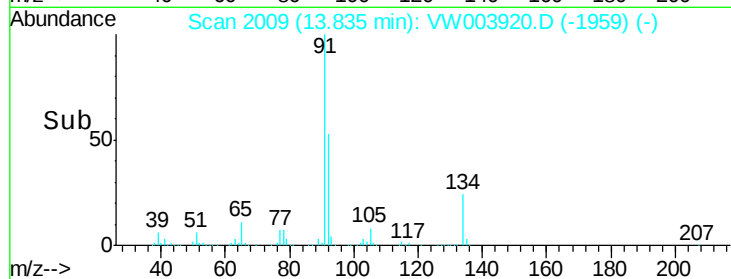
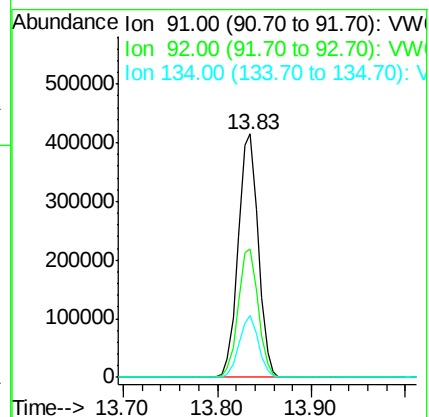
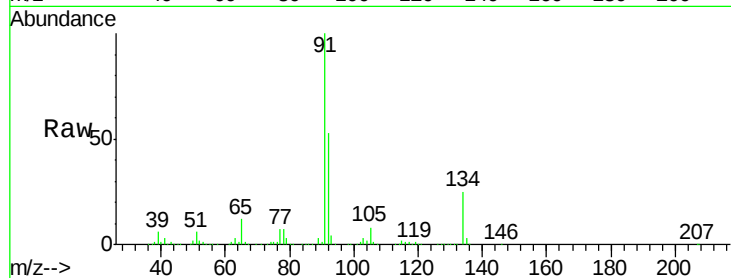
Tot Ion: 91 Resp: 610096

Ion Ratio Lower Upper

91 100

92 52.7 26.1 78.3

134 24.6 12.4 37.4



#90

Hexachloroethane

Concen: 55.117 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW003920.D

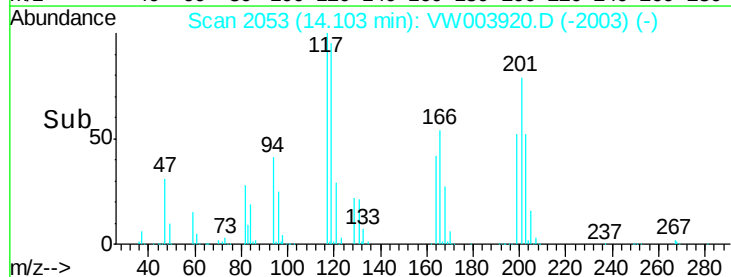
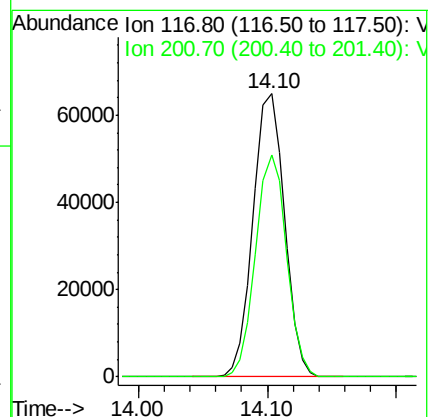
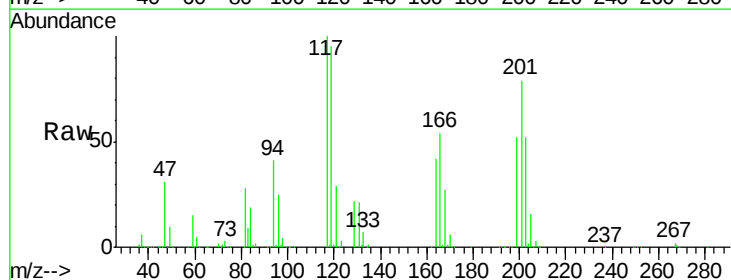
Acq: 13 Jul 2018 16:30

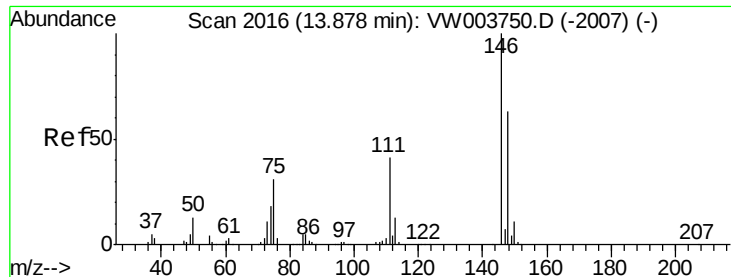
Tgt Ion: 117 Resp: 109807

Ion Ratio Lower Upper

117 100

201 77.2 39.2 117.6

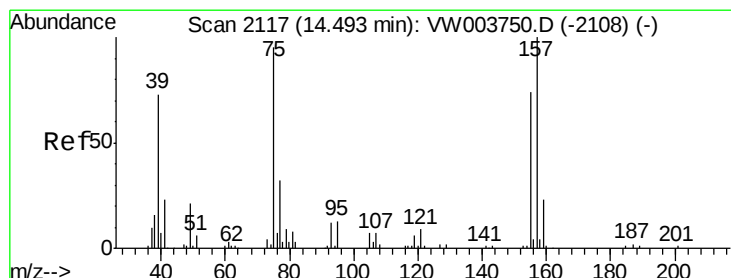
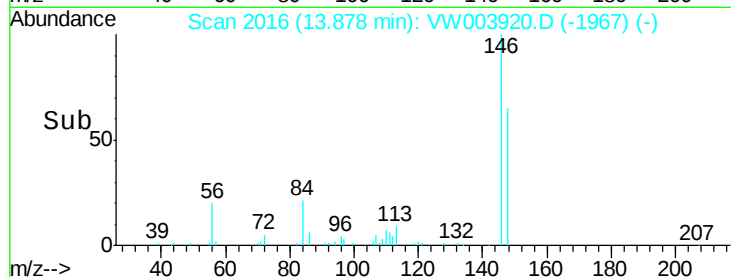
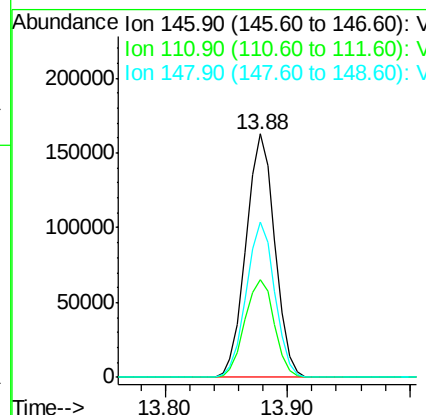
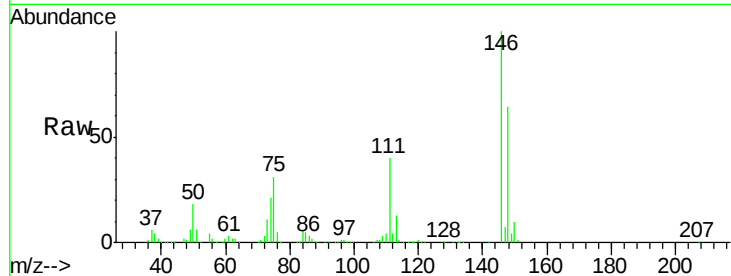




#91
 1,2-Dichlorobenzene
 Concen: 52.878 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

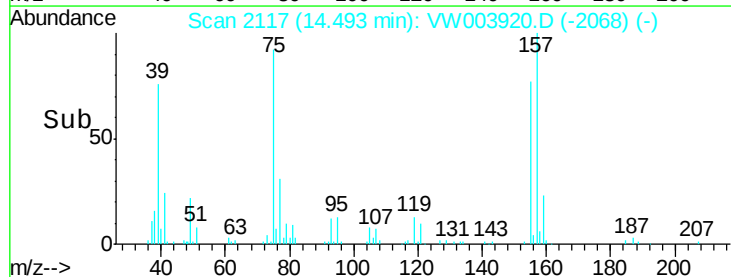
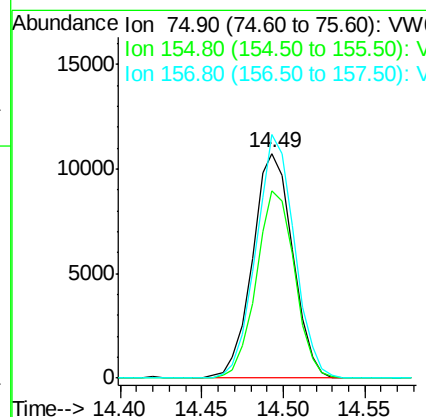
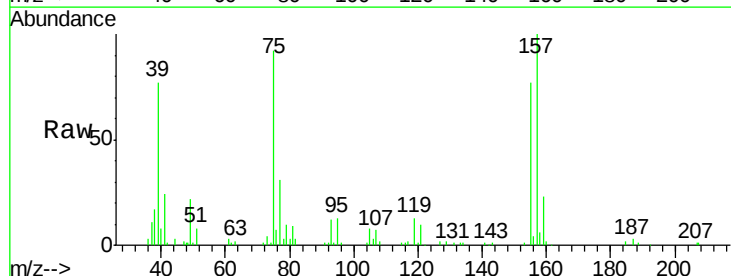
Instrument :
 MSVOA_W
 ClientSampleId :

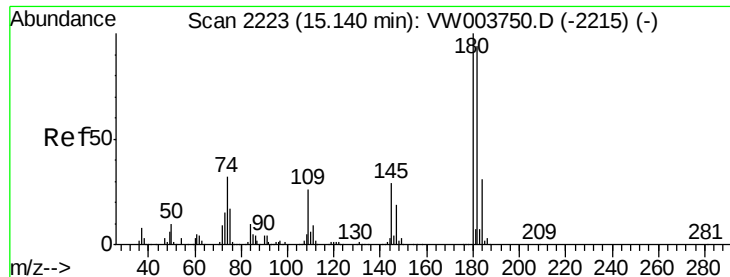
Tot Ion:146 Resp: 266466
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.7 62.1
 148 63.0 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.029 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion: 75 Resp: 18370
 Ion Ratio Lower Upper
 75 100
 155 79.2 39.2 117.6
 157 103.3 50.7 152.1

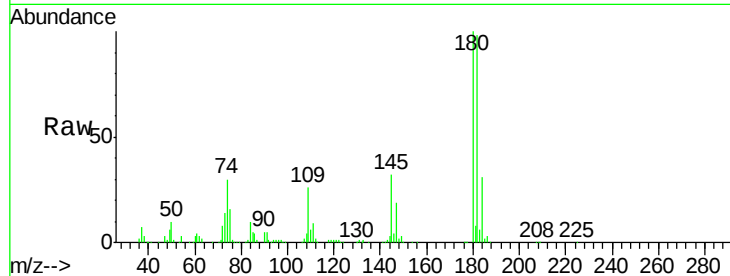




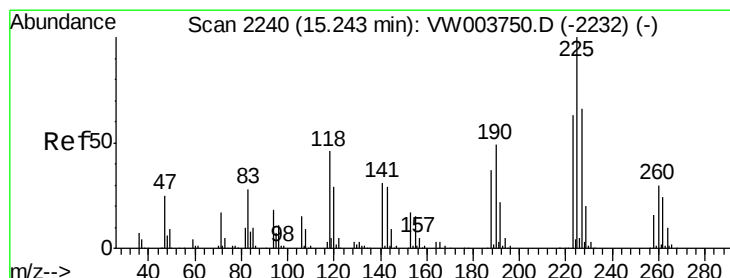
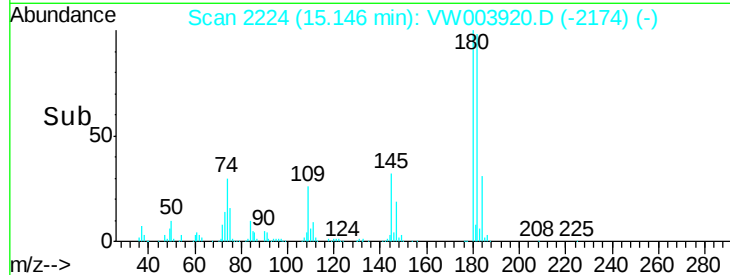
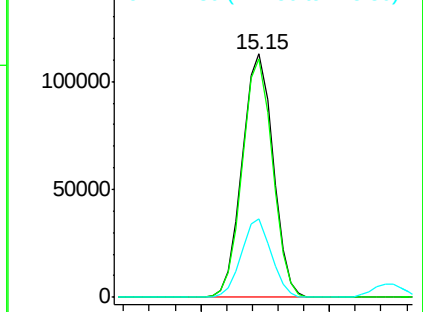
#93
 1,2,4-Trichlorobenzene
 Concen: 54.764 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	31.2	15.0	45.0

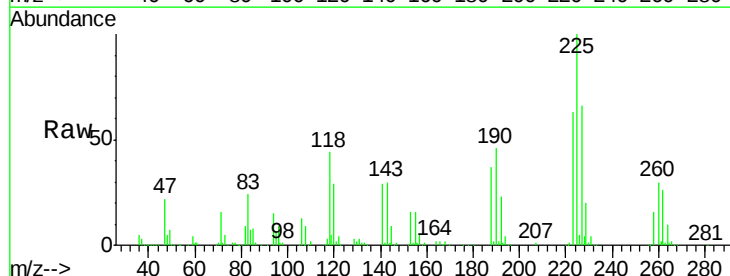


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

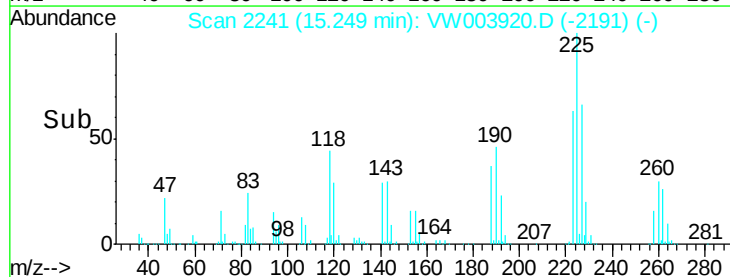
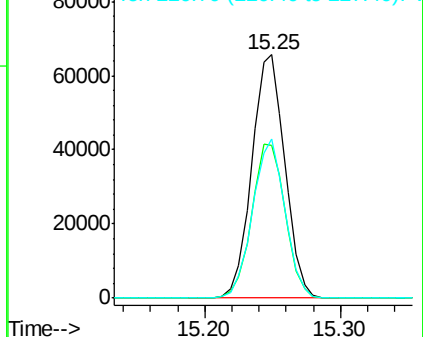


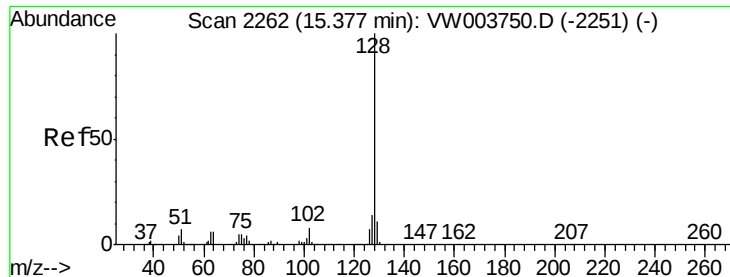
#94
 Hexachlorobutadiene
 Concen: 57.178 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW003920.D
 Acq: 13 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.6	97.7
227	63.9	32.5	97.5



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

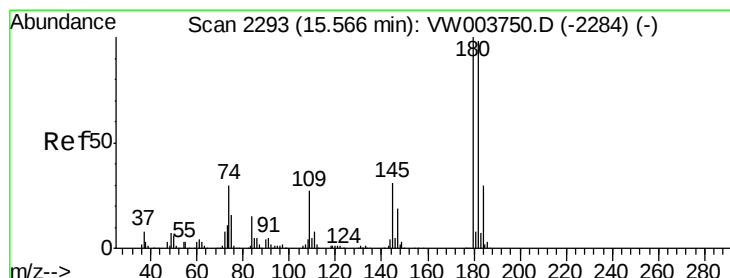
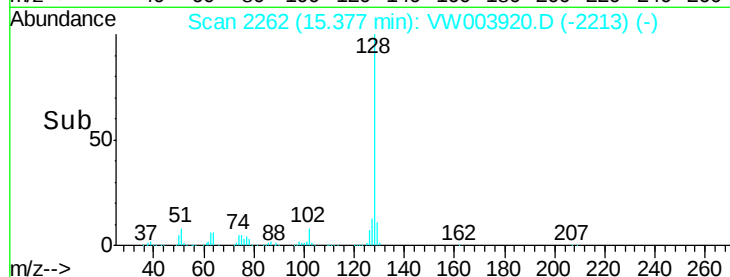
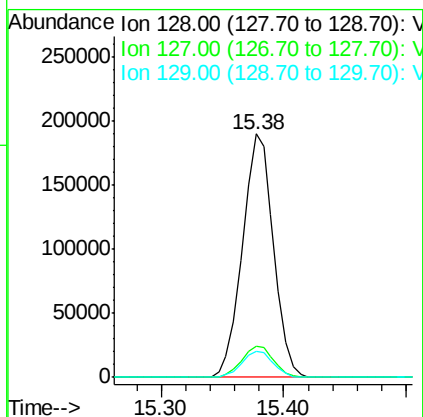
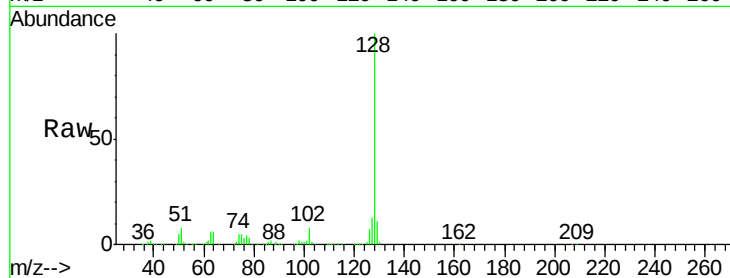




#95
Naphthalene
Concen: 54.730 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 333653
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 55.102 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003920.D
Acq: 13 Jul 2018 16:30

Tgt Ion:180 Resp: 168294
Ion Ratio Lower Upper
180 100
182 94.6 47.4 142.3
145 31.3 15.8 47.4

