

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004003.D
 Acq On : 18 Jul 2018 01:17
 Operator : VA/AP
 Sample : VW0717SBS02
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Quant Time: Jul 18 04:52:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	339725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	166895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135501	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	118440	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
50) Toluene-d8	10.33	98	467761	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
62) 4-Bromofluorobenzene	12.63	95	163040	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	18624	15.827	ug/l	96
3) Chloromethane	2.21	50	35829	23.132	ug/l	100
4) Vinyl Chloride	2.36	62	48489	22.760	ug/l	99
5) Bromomethane	2.77	94	28519	21.418	ug/l	99
6) Chloroethane	2.92	64	25885	21.385	ug/l	94
7) Trichlorofluoromethane	3.25	101	20150	22.529	ug/l	99
8) Diethyl Ether	3.67	74	21930	21.123	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	44484	21.554	ug/l	98
10) Methyl Iodide	4.26	142	64079	21.618	ug/l	98
11) Tert butyl alcohol	5.19	59	19559	120.964	ug/l	98
12) 1,1-Dichloroethene	4.03	96	43636	21.428	ug/l	99
13) Acrolein	3.89	56	16061	96.672	ug/l	98
14) Allyl chloride	4.66	41	71677	21.324	ug/l	98
15) Acrylonitrile	5.37	53	57326	107.757	ug/l	99
16) Acetone	4.12	43	49396	87.761	ug/l	98
17) Carbon Disulfide	4.37	76	138186	21.740	ug/l	99
18) Methyl Acetate	4.67	43	29834	22.082	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	80226	20.556	ug/l	98
20) Methylene Chloride	4.91	84	58237	18.481	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	47523	21.289	ug/l	97
22) Diisopropyl ether	6.31	45	154362	22.722	ug/l	98
23) Vinyl Acetate	6.26	43	444164	103.188	ug/l	98
24) 1,1-Dichloroethane	6.21	63	92699	22.363	ug/l	98
25) 2-Butanone	7.18	43	78244	103.302	ug/l	97
26) 2,2-Dichloropropane	7.17	77	46755	19.650	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51190	21.214	ug/l	98
28) Bromochloromethane	7.51	49	40604	23.936	ug/l	97
29) Tetrahydrofuran	7.53	42	50603	107.255	ug/l	97
30) Chloroform	7.68	83	94501	22.920	ug/l	99
31) Cyclohexane	7.95	56	79342	20.419	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	71548	22.222	ug/l	99
36) 1,1-Dichloropropene	8.09	75	73026	20.893	ug/l	100
37) Ethyl Acetate	7.26	43	35227	20.895	ug/l	99
38) Carbon Tetrachloride	8.07	117	67066	20.535	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78112	19.082	ug/l	92
40) Benzene	8.32	78	210447	21.702	ug/l	100
41) Methacrylonitrile	7.49	41	19728	21.119	ug/l	92
42) 1,2-Dichloroethane	8.40	62	65028	21.981	ug/l	99
43) Isopropyl Acetate	8.43	43	62799	19.916	ug/l	99
44) Trichloroethene	9.09	130	51423	20.457	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53523	21.625	ug/l	97
46) Dibromomethane	9.46	93	28044	21.836	ug/l	99
47) Bromodichloromethane	9.65	83	67218	21.231	ug/l	99
48) Methyl methacrylate	9.44	41	30422	19.949	ug/l	97
49) 1,4-Dioxane	9.45	88	8852	448.392	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	175760	104.624	ug/l	98
52) Toluene	10.39	92	130832	21.818	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	64804	19.573	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	74559	19.686	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38828	21.496	ug/l	98
56) Ethyl methacrylate	10.65	69	44793	19.262	ug/l	97
57) 1,3-Dichloropropane	10.94	76	67504	21.510	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	117507	109.661	ug/l	99
59) 2-Hexanone	10.98	43	117329	99.093	ug/l	96
60) Dibromochloromethane	11.13	129	45105	21.443	ug/l	98
61) 1,2-Dibromoethane	11.24	107	36278	21.108	ug/l	97
64) Tetrachloroethene	10.87	164	48753	22.562	ug/l	96
65) Chlorobenzene	11.66	112	138901	20.742	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48266	20.741	ug/l	99
67) Ethyl Benzene	11.74	91	238276	20.255	ug/l	100
68) m/p-Xylenes	11.85	106	184622	41.062	ug/l	100
69) o-Xylene	12.17	106	84819	20.337	ug/l	96
70) Styrene	12.19	104	146237	20.992	ug/l	100
71) Bromoform	12.35	173	26528	20.190	ug/l #	100
73) Isopropylbenzene	12.47	105	231708	19.648	ug/l	99
74) N-amyl acetate	12.28	43	60811	19.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46543	20.407	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61883	37.349	ug/l #	100
77) Bromobenzene	12.76	156	57412	20.345	ug/l	99
78) n-propylbenzene	12.81	91	295396	20.417	ug/l	100
79) 2-Chlorotoluene	12.90	91	169996	20.833	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	204611	20.617	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13257	17.698	ug/l	94
82) 4-Chlorotoluene	12.99	91	179168	20.460	ug/l	99
83) tert-Butylbenzene	13.21	119	164692	19.766	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	212190	20.781	ug/l	100
85) sec-Butylbenzene	13.39	105	247689	20.035	ug/l	99
86) p-Isopropyltoluene	13.51	119	216631	19.977	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	115284	20.454	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	115705	20.470	ug/l	99
89) n-Butylbenzene	13.83	91	204841	19.215	ug/l	99
90) Hexachloroethane	14.10	117	40471	20.246	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	103636	20.638	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8061	19.876	ug/l	97

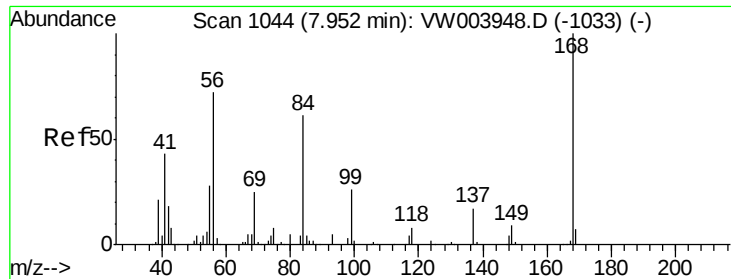
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	68437	19.405	ug/l	99
94) Hexachlorobutadiene	15.24	225	40568	20.032	ug/l	98
95) Naphthalene	15.38	128	123020	18.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	61465	19.685	ug/l	98

(#) = 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: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampled :

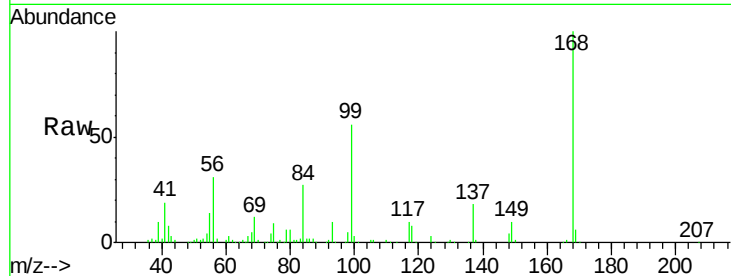
VW0717SBS02

Tot Ion:168 Resp: 209543

Ion Ratio Lower Upper

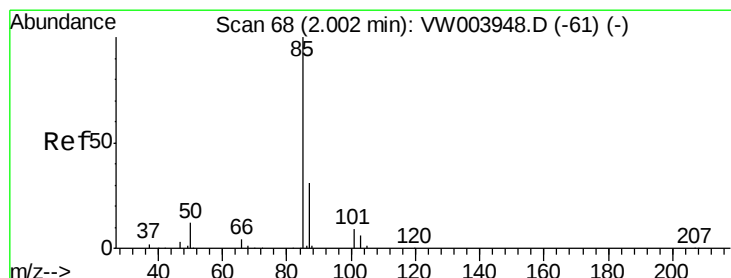
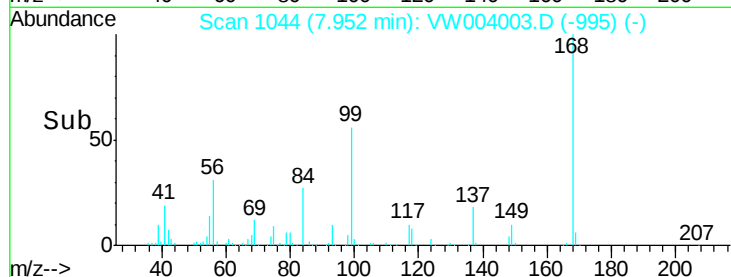
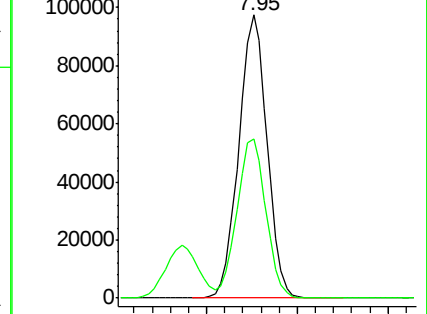
168 100

99 56.5 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.827 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004003.D

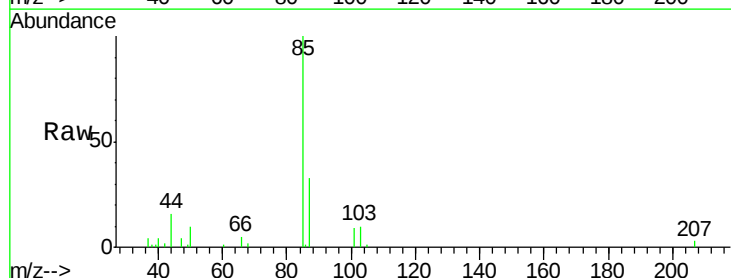
Acq: 18 Jul 2018 01:17

Tgt Ion: 85 Resp: 18624

Ion Ratio Lower Upper

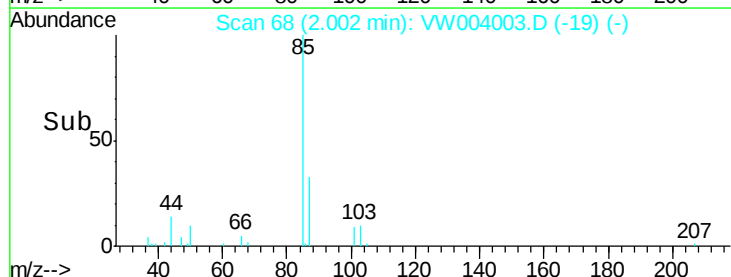
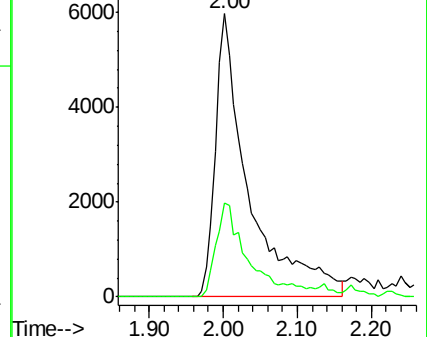
85 100

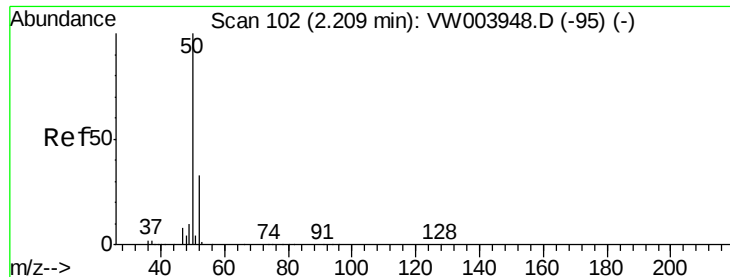
87 33.1 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 23.132 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

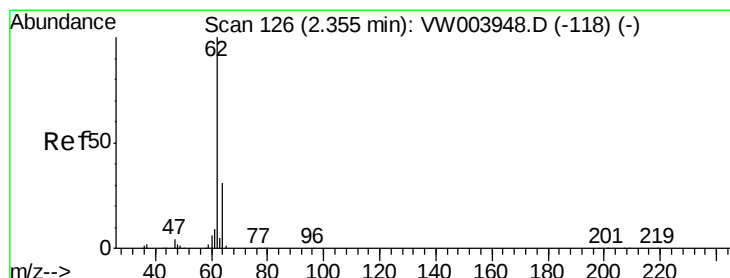
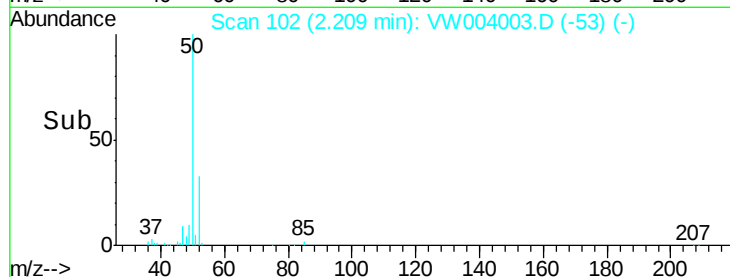
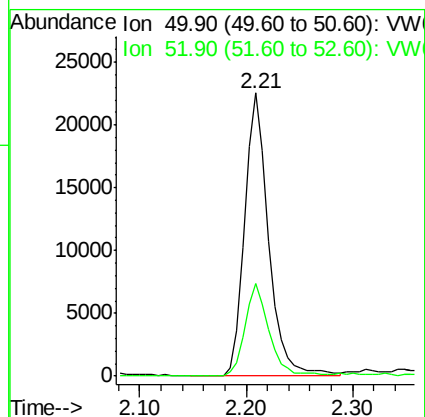
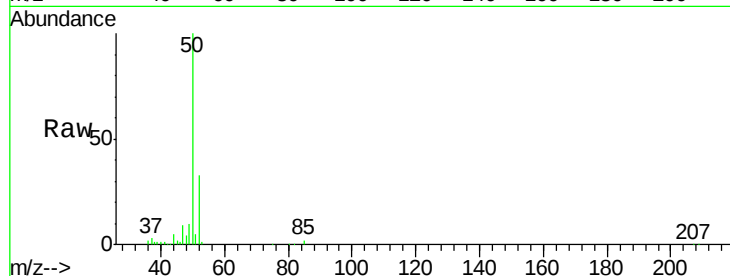
VW0717SBS02

Tot Ion: 50 Resp: 35829

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 22.760 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004003.D

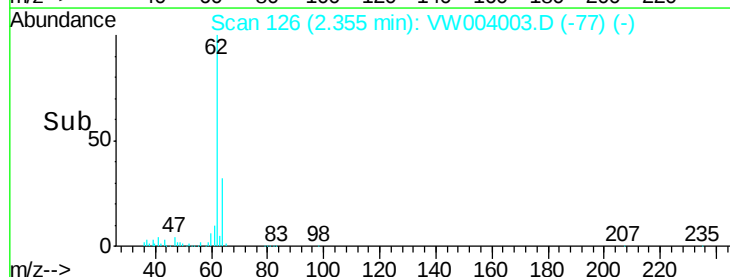
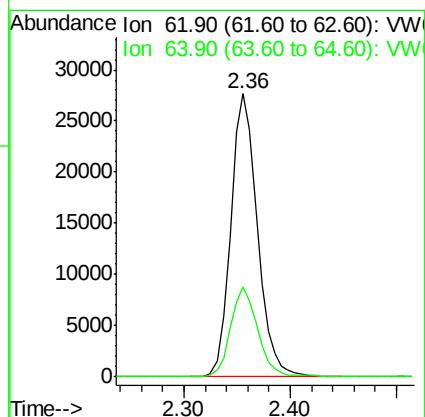
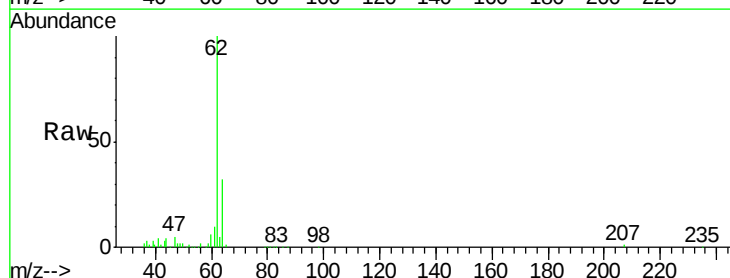
Acq: 18 Jul 2018 01:17

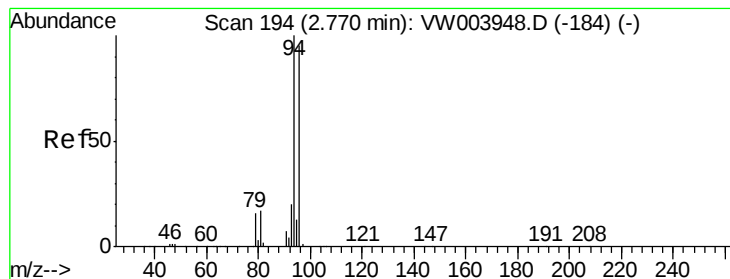
Tgt Ion: 62 Resp: 48489

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 21.418 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

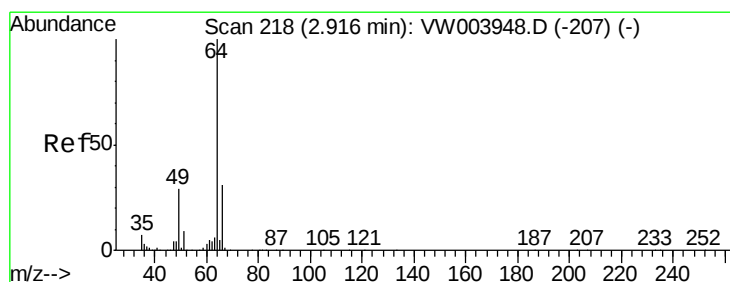
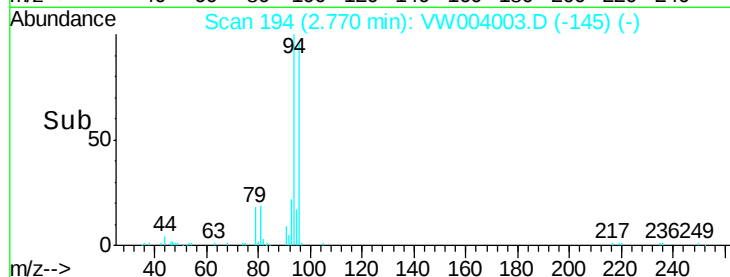
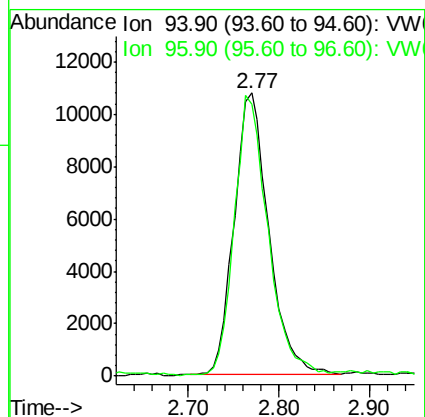
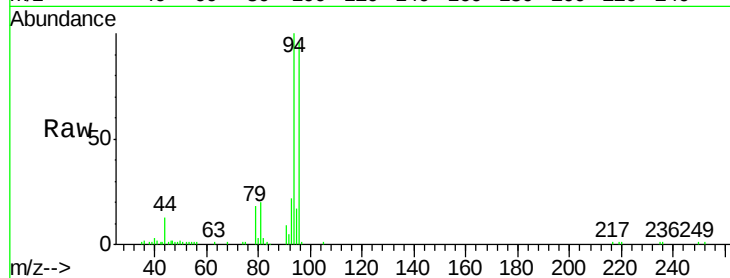
VW0717SBS02

Tot Ion: 94 Resp: 28519

Ion Ratio Lower Upper

94 100

96 95.9 75.8 113.6



#6

Chloroethane

Concen: 21.385 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW004003.D

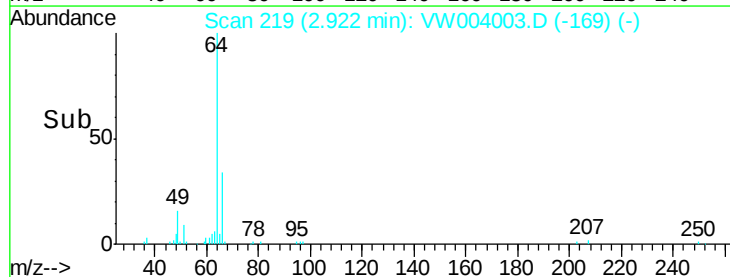
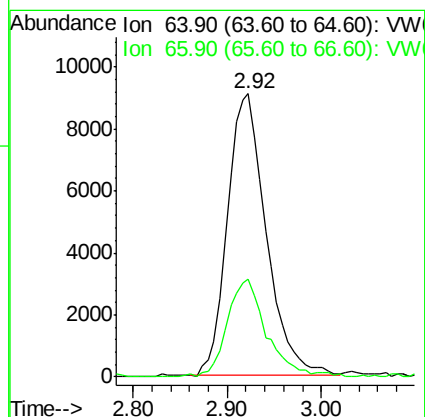
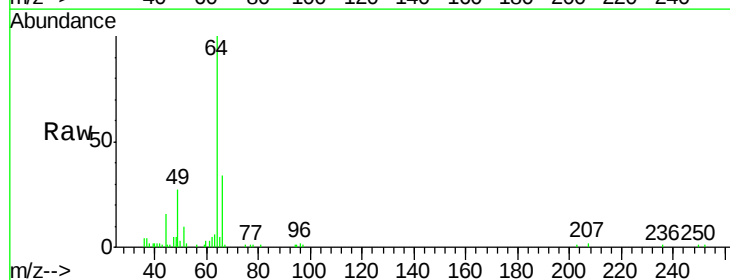
Acq: 18 Jul 2018 01:17

Tgt Ion: 64 Resp: 25885

Ion Ratio Lower Upper

64 100

66 33.9 24.5 36.7



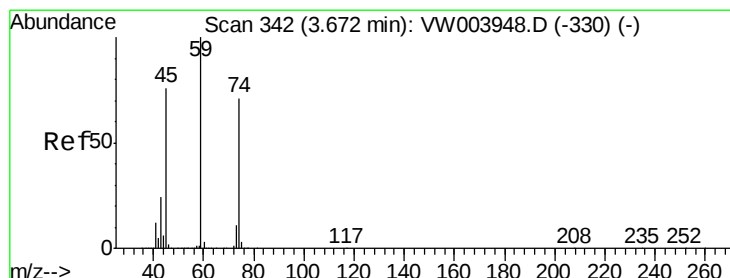
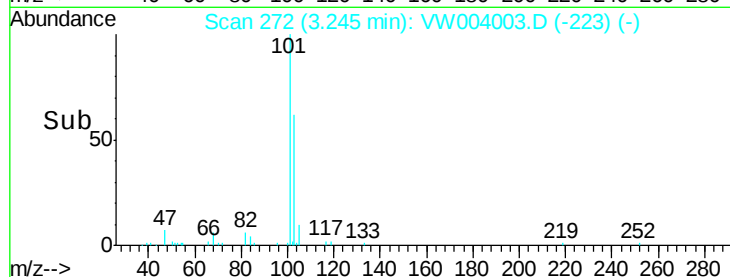
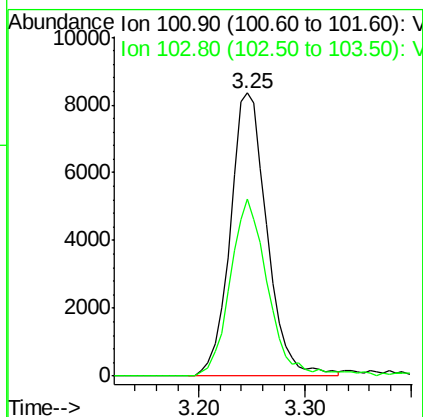
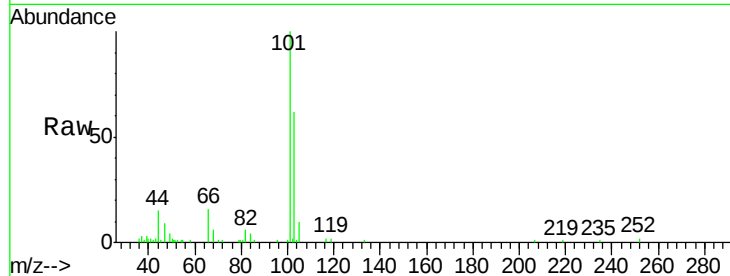


#7

Trichlorofluoromethane
 Concen: 22.529 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

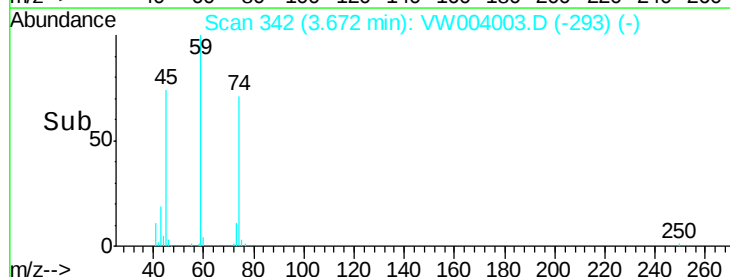
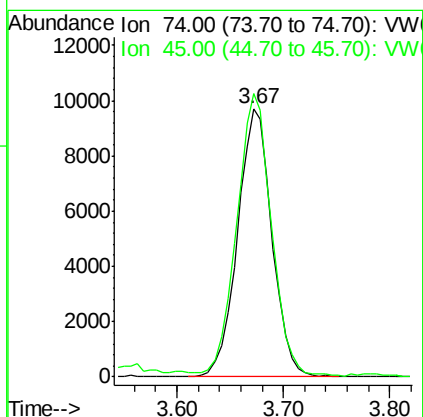
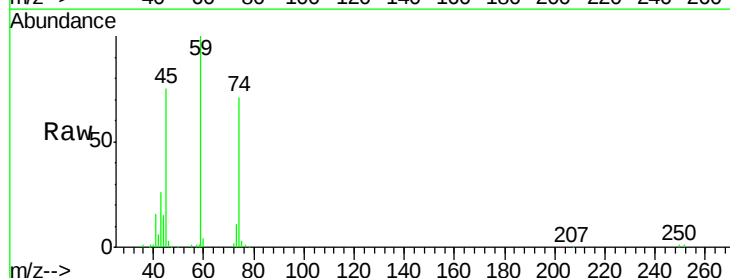
Tot Ion:101 Resp: 20150
 Ion Ratio Lower Upper
 101 100
 103 62.4 49.0 73.6

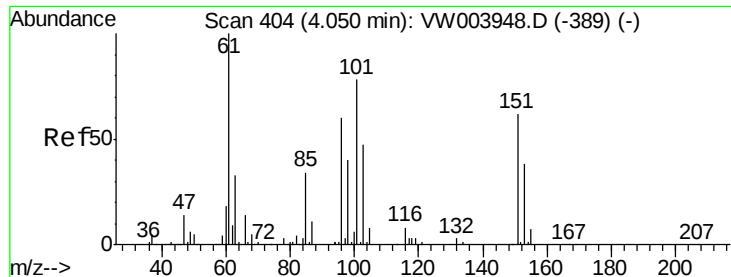


#8

Diethyl Ether
 Concen: 21.123 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 74 Resp: 21930
 Ion Ratio Lower Upper
 74 100
 45 107.9 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.554 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

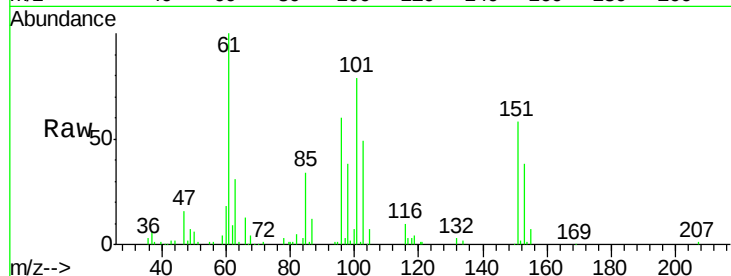
Tot Ion:101 Resp: 44484

Ion Ratio Lower Upper

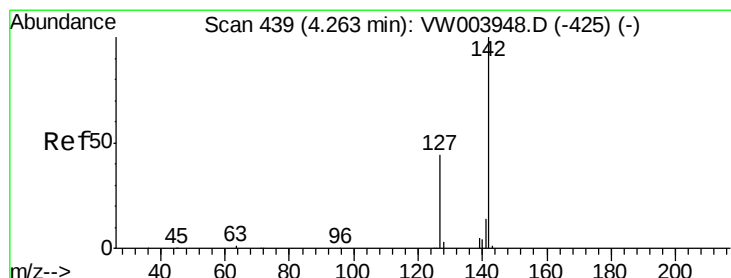
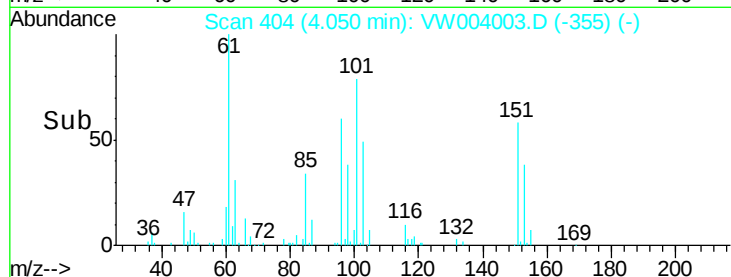
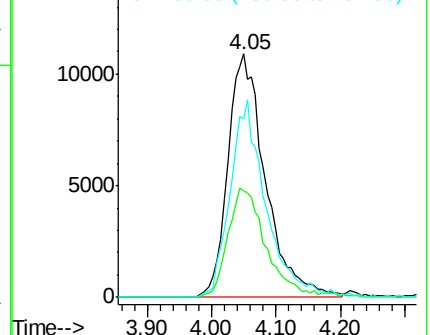
101 100

85 45.0 35.8 53.6

151 77.6 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.618 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

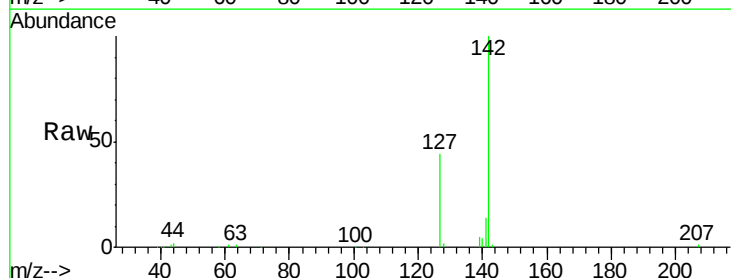
Tgt Ion:142 Resp: 64079

Ion Ratio Lower Upper

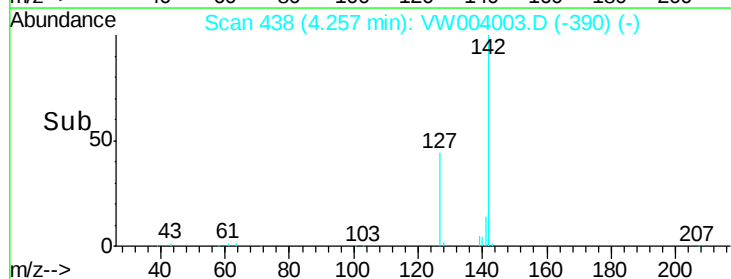
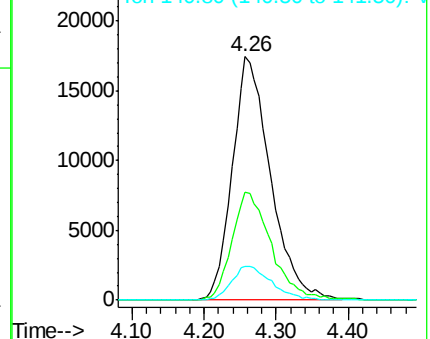
142 100

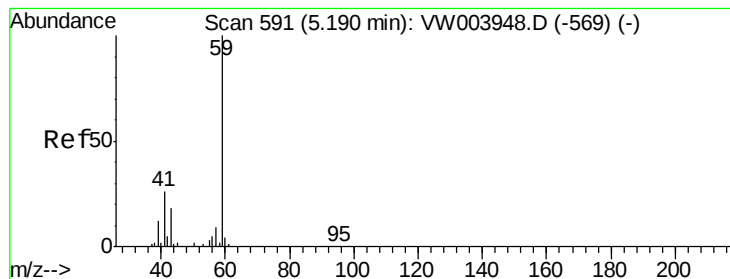
127 45.7 35.4 53.2

141 14.6 11.7 17.5



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



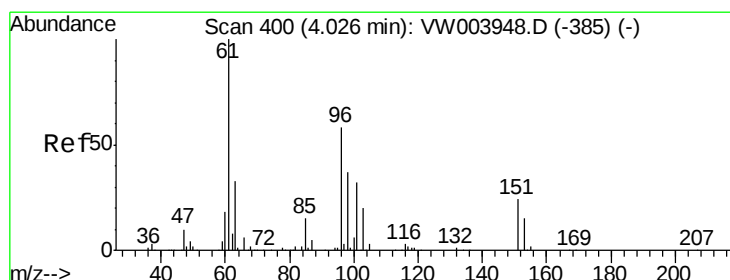
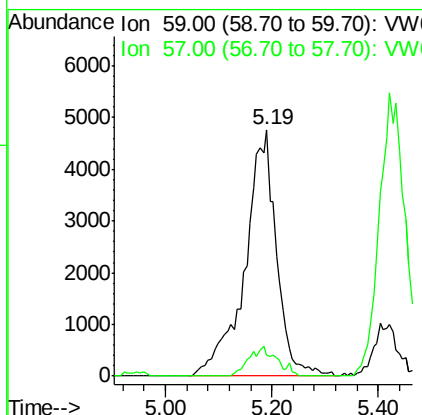
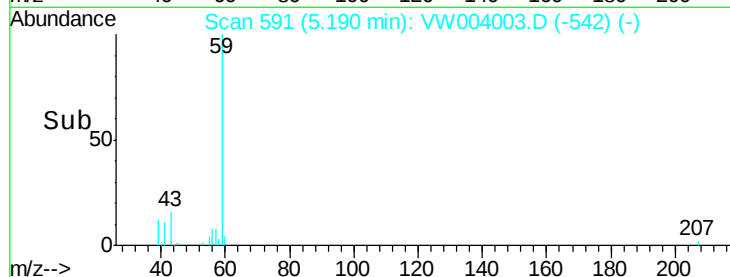
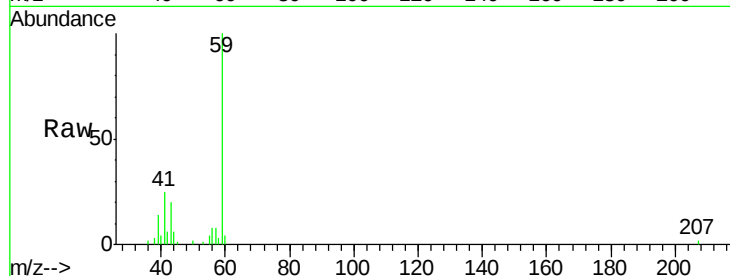


#11

Tert butyl alcohol
Concen: 120.964 ug/l
RT: 5.19 min Scan# 591
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

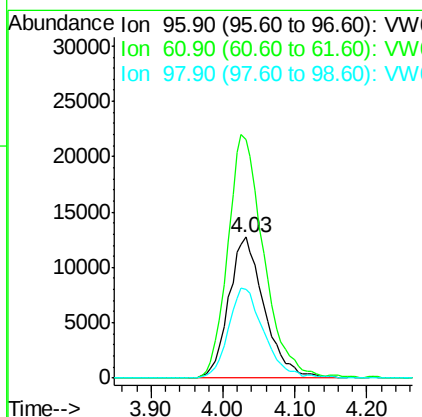
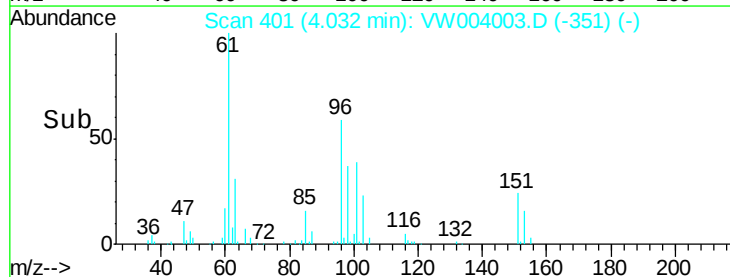
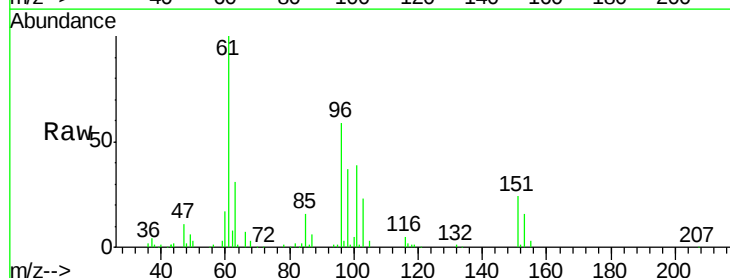
Tot Ion: 59 Resp: 19559
Ion Ratio Lower Upper
59 100
57 9.8 8.5 12.7

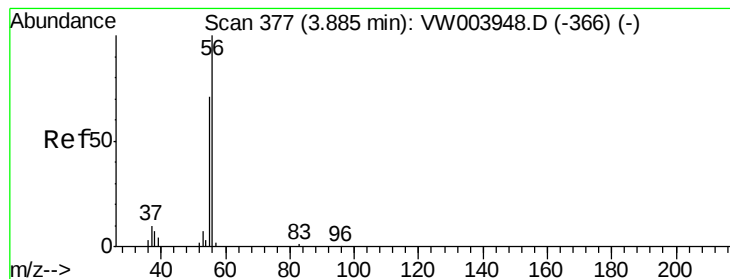


#12

1,1-Dichloroethene
Concen: 21.428 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 96 Resp: 43636
Ion Ratio Lower Upper
96 100
61 169.9 137.0 205.6
98 63.4 50.2 75.4





#13

Acrolein

Concen: 96.672 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

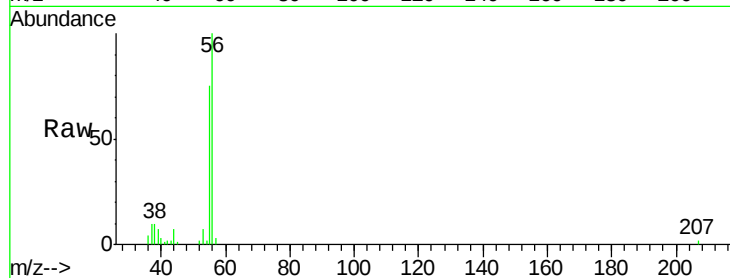
VW0717SBS02

Tot Ion: 56 Resp: 16061

Ion Ratio Lower Upper

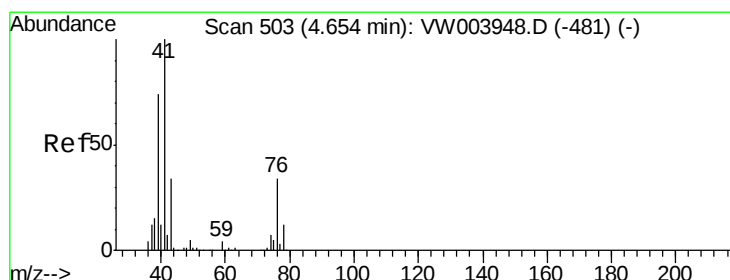
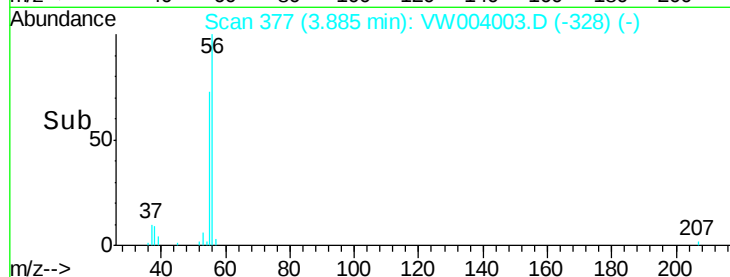
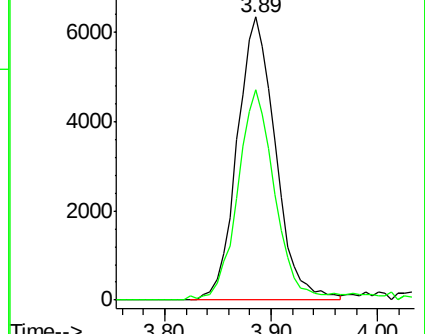
56 100

55 71.5 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.324 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

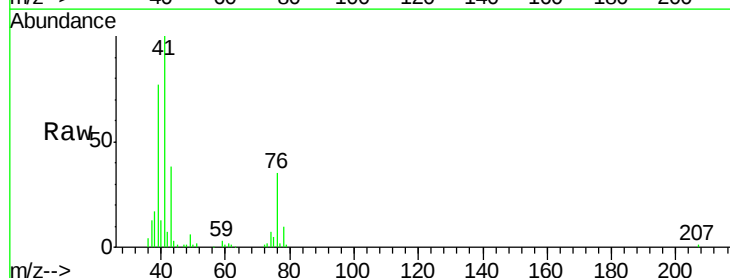
Tgt Ion: 41 Resp: 71677

Ion Ratio Lower Upper

41 100

39 73.7 57.0 85.4

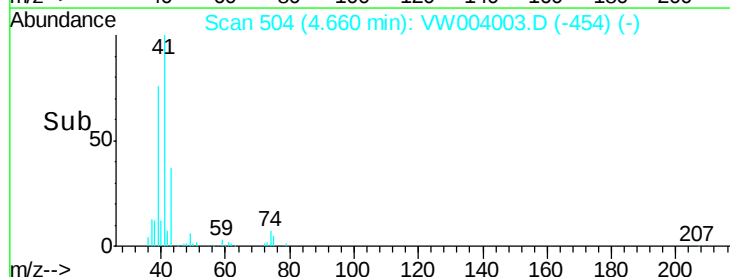
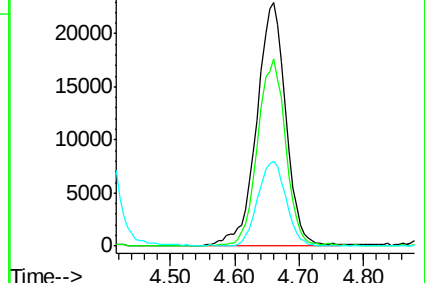
76 33.4 26.5 39.7

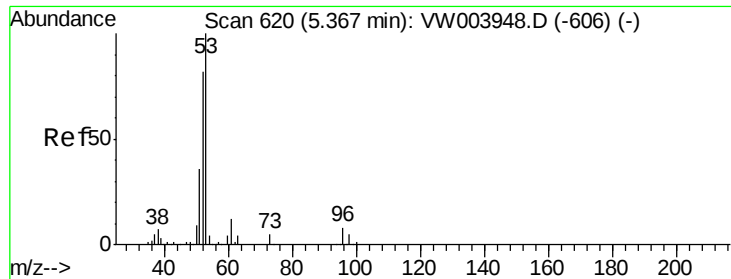


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 107.757 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

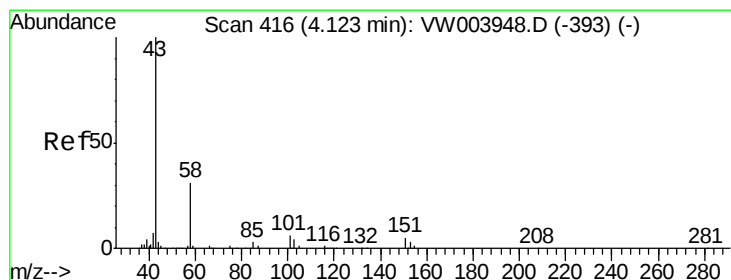
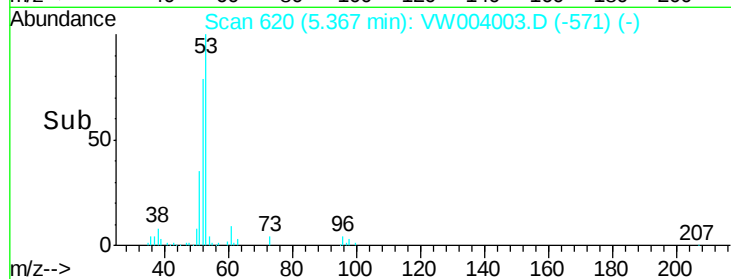
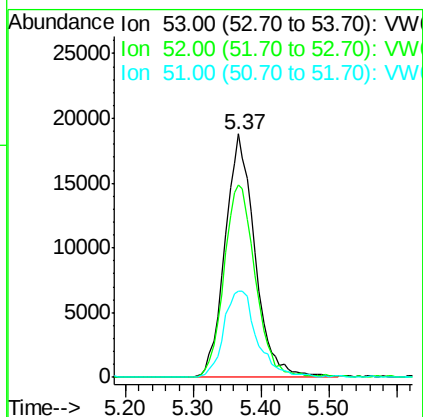
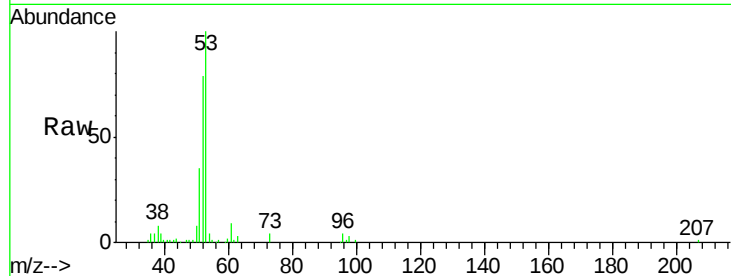
Tot Ion: 53 Resp: 57326

Ion Ratio Lower Upper

53 100

52 82.7 66.1 99.1

51 39.2 29.8 44.6



#16

Acetone

Concen: 87.761 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004003.D

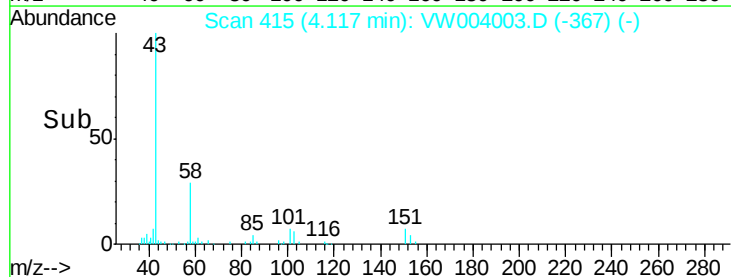
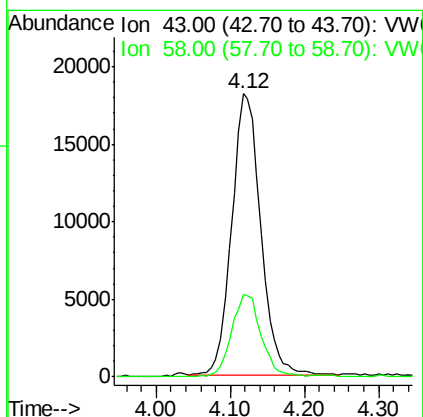
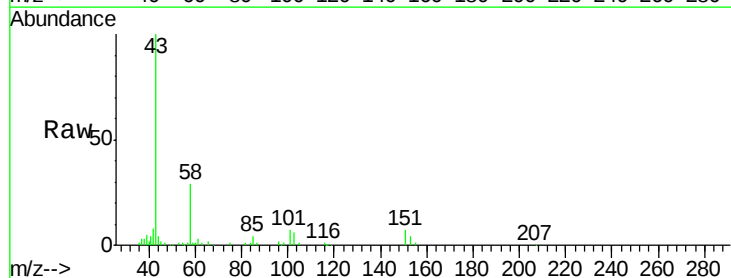
Acq: 18 Jul 2018 01:17

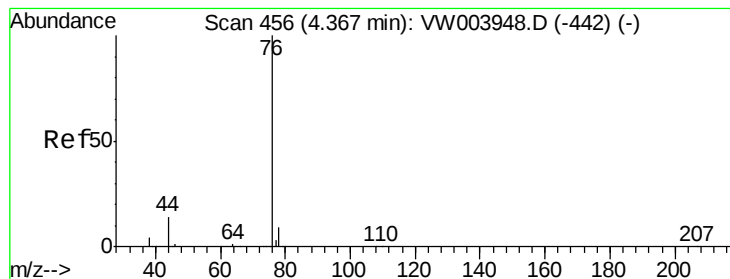
Tgt Ion: 43 Resp: 49396

Ion Ratio Lower Upper

43 100

58 29.6 24.5 36.7





#17

Carbon Disulfide

Concen: 21.740 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

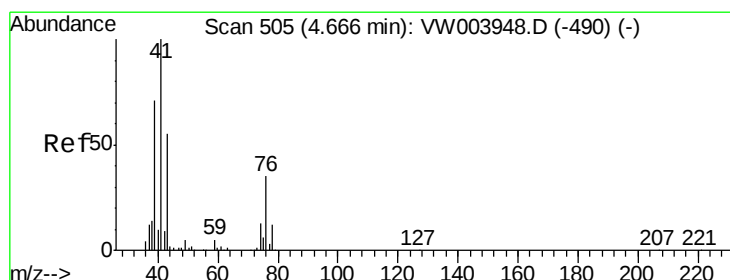
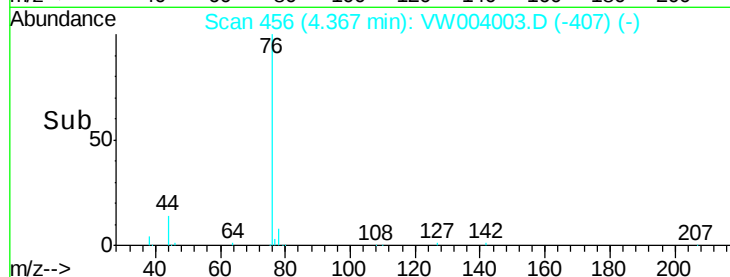
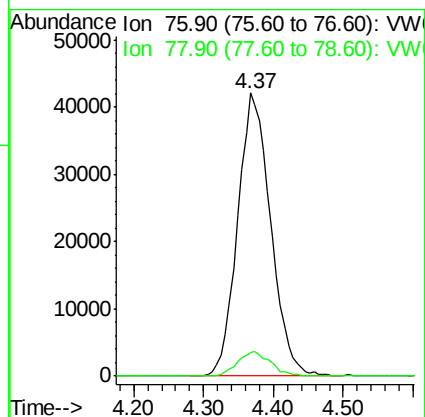
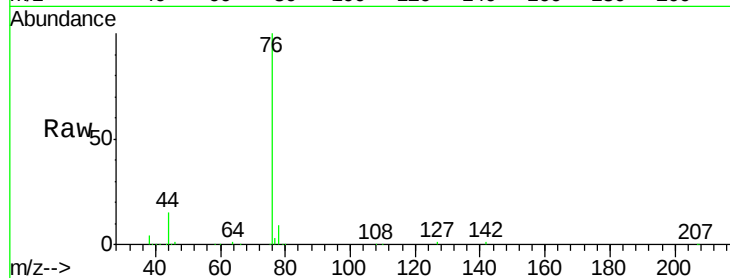
VW0717SBS02

Tot Ion: 76 Resp: 138186

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



#18

Methyl Acetate

Concen: 22.082 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW004003.D

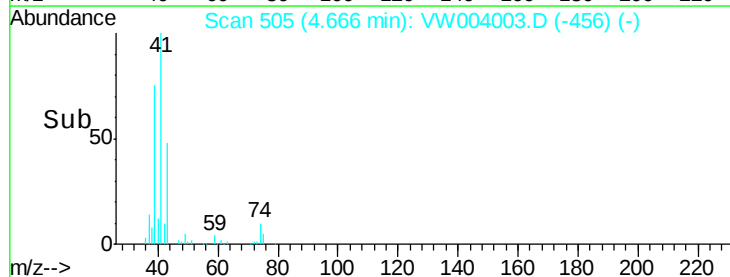
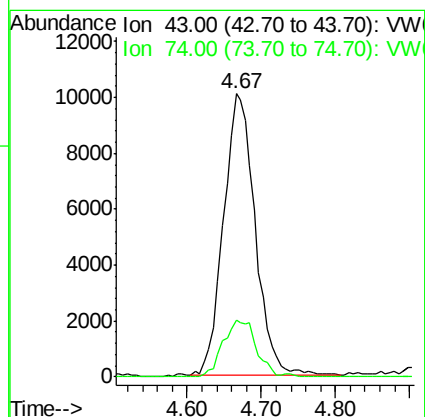
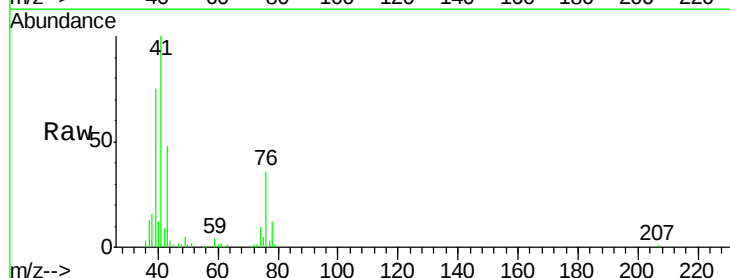
Acq: 18 Jul 2018 01:17

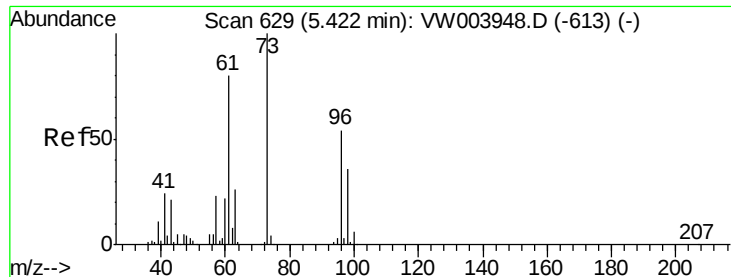
Tgt Ion: 43 Resp: 29834

Ion Ratio Lower Upper

43 100

74 21.3 17.7 26.5



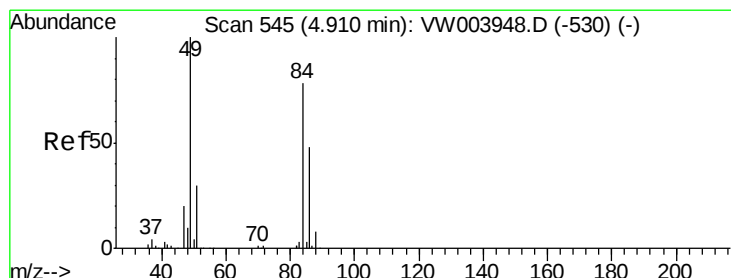
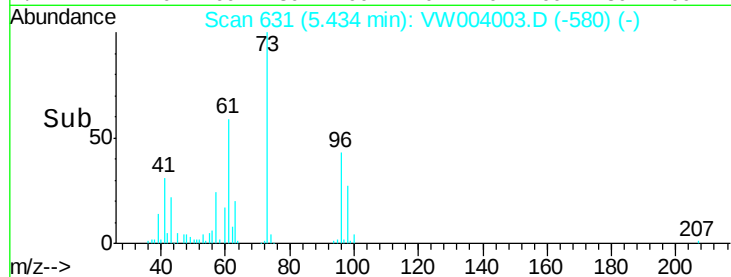
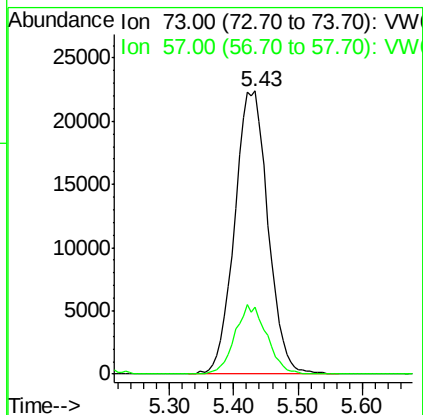
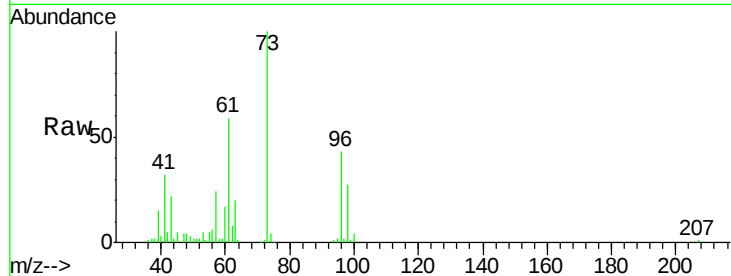


#19

Methyl tert-butyl Ether
 Concen: 20.556 ug/l
 RT: 5.43 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Instrument :
 MSVOA_W
 ClientSampled :
 VW0717SBS02

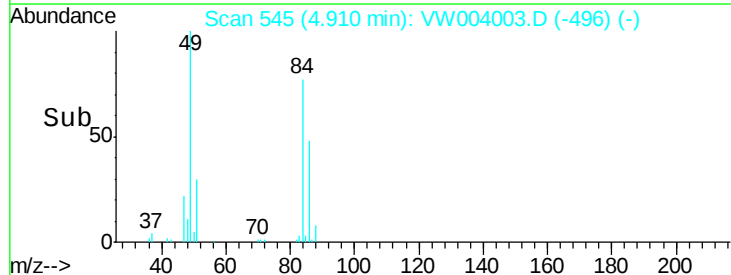
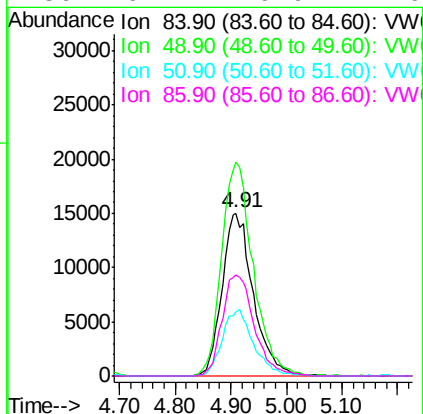
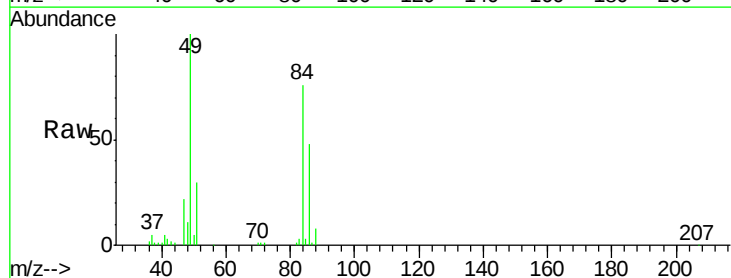
Tot Ion: 73 Resp: 80226
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.2 27.4

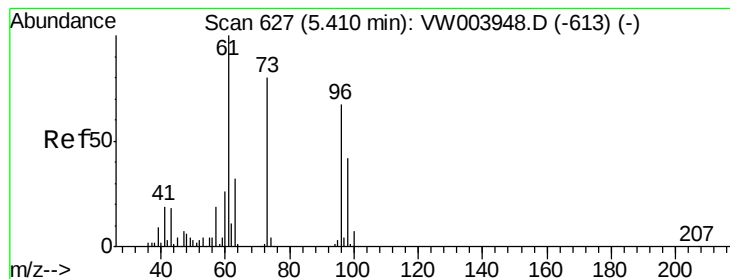


#20

Methylene Chloride
 Concen: 18.481 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 84 Resp: 58237
 Ion Ratio Lower Upper
 84 100
 49 130.9 102.9 154.3
 51 39.4 30.9 46.3
 86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 21.289 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

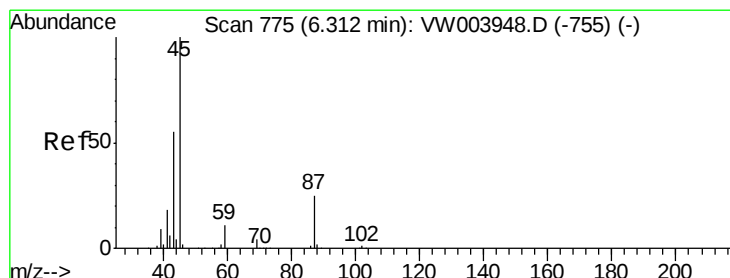
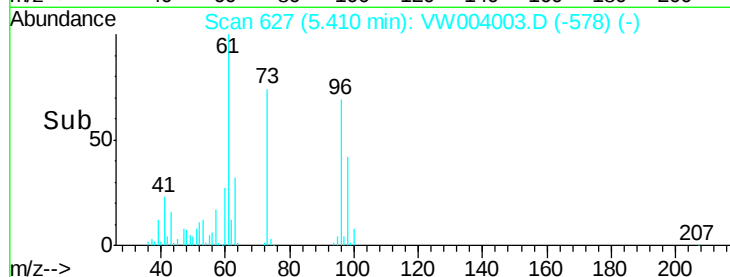
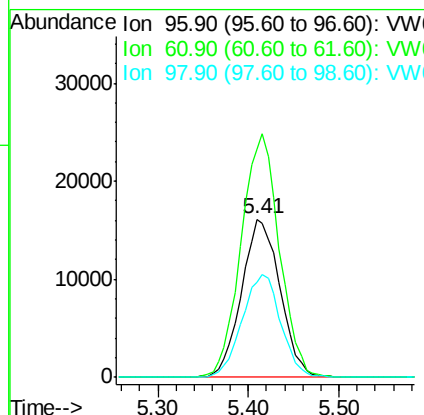
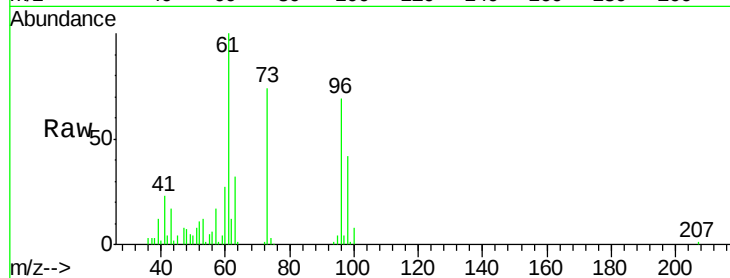
Tot Ion: 96 Resp: 47523

Ion Ratio Lower Upper

96 100

61 144.6 119.0 178.4

98 60.2 49.9 74.9



#22

Diisopropyl ether

Concen: 22.722 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Tgt Ion: 45 Resp: 154362

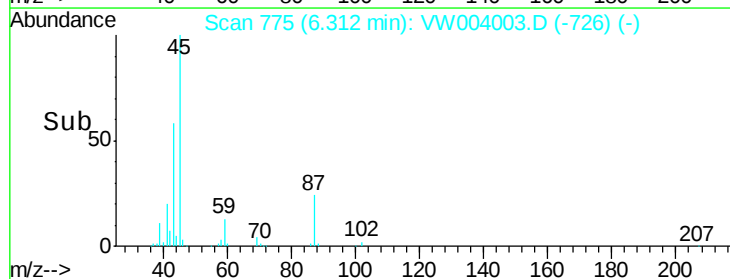
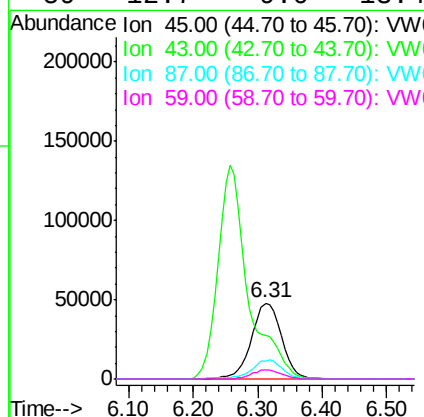
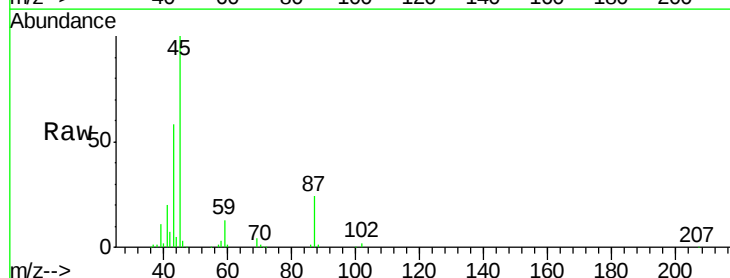
Ion Ratio Lower Upper

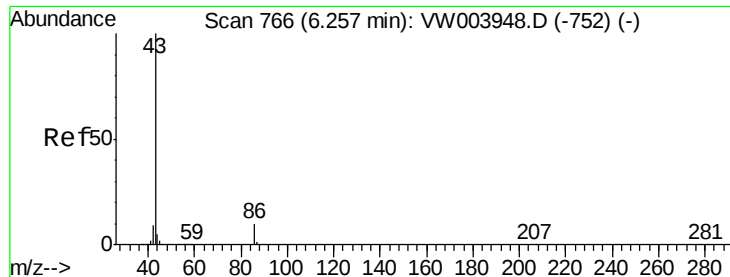
45 100

43 57.1 44.3 66.5

87 24.2 20.2 30.4

59 12.7 9.0 13.4





#23

Vinyl Acetate

Concen: 103.188 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

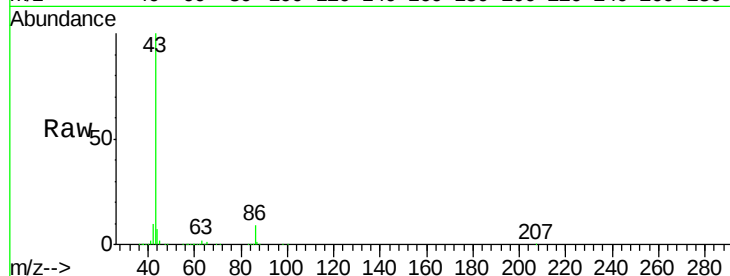
VW0717SBS02

Tot Ion: 43 Resp: 444164

Ion Ratio Lower Upper

43 100

86 8.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

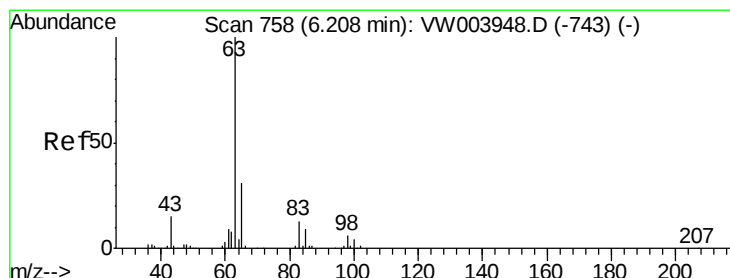
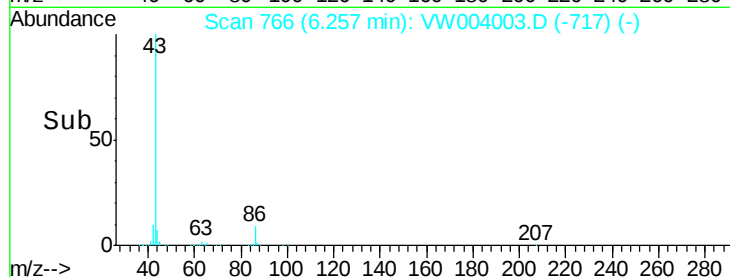
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.363 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

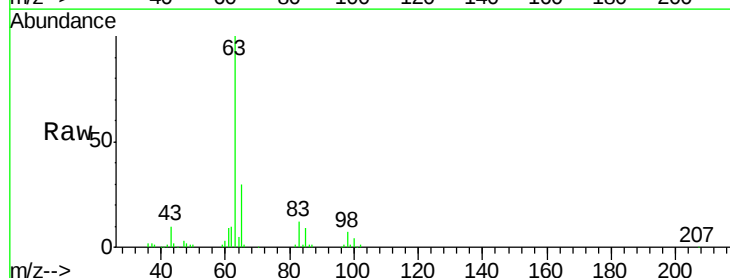
Tgt Ion: 63 Resp: 92699

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 3.8 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

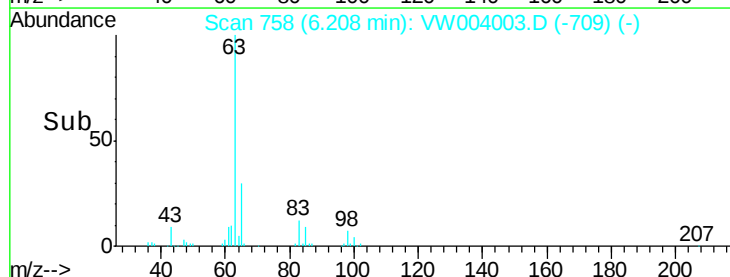
30000

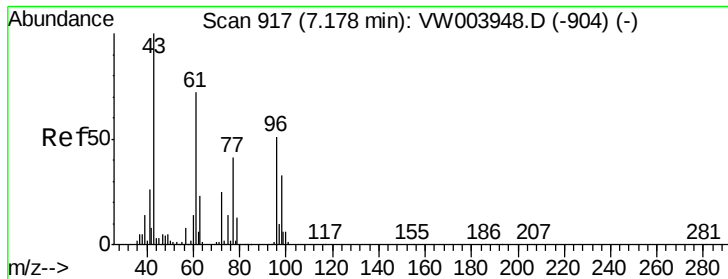
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.302 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

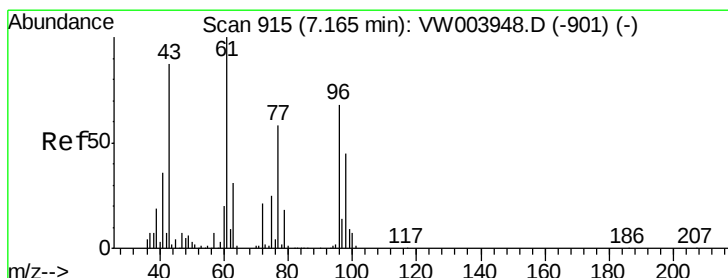
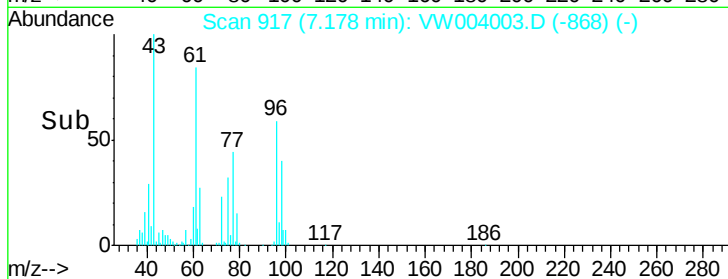
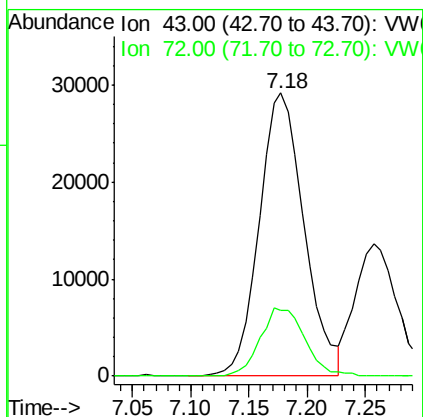
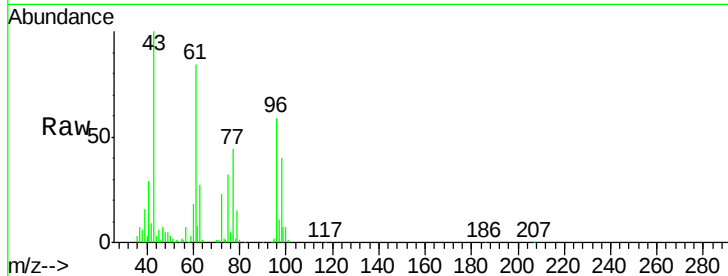
VW0717SBS02

Tot Ion: 43 Resp: 78244

Ion Ratio Lower Upper

43 100

72 23.4 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.650 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004003.D

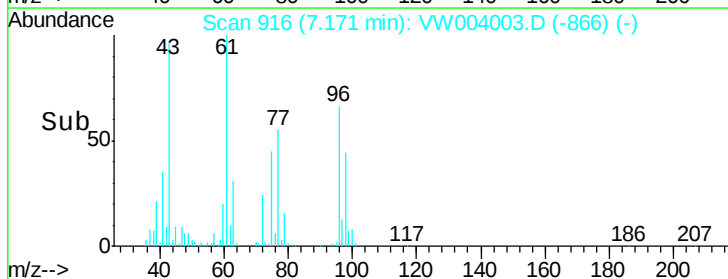
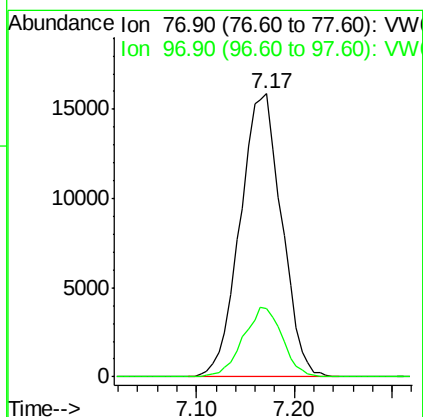
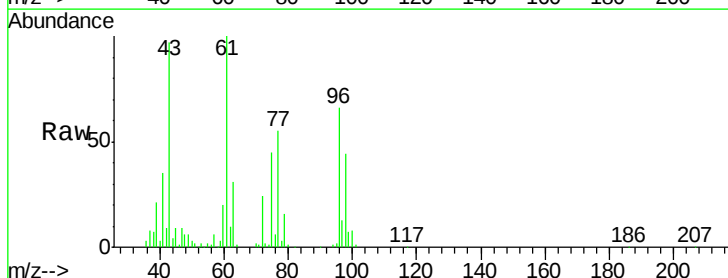
Acq: 18 Jul 2018 01:17

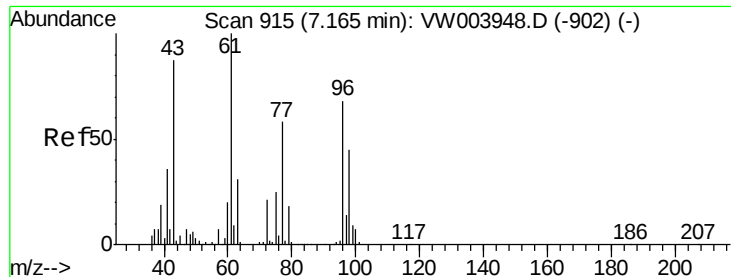
Tgt Ion: 77 Resp: 46755

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3



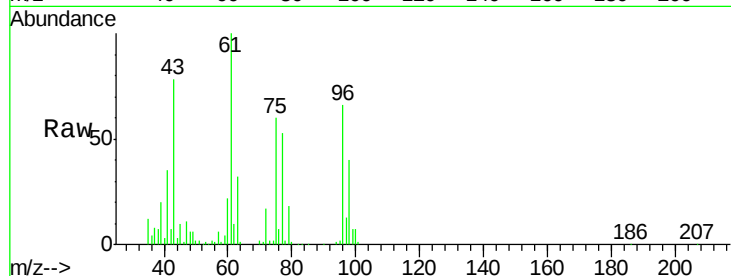


#27

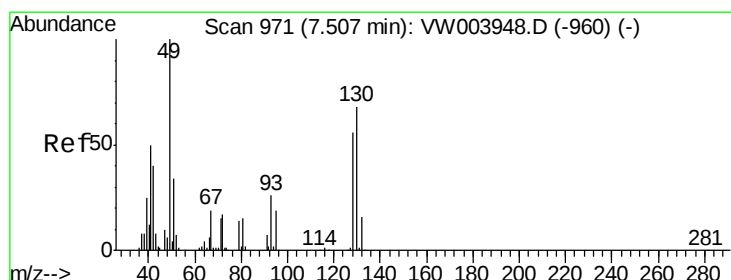
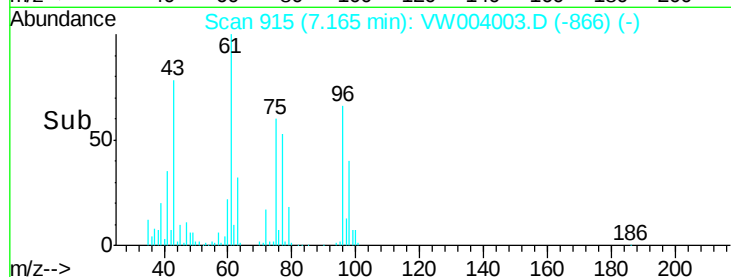
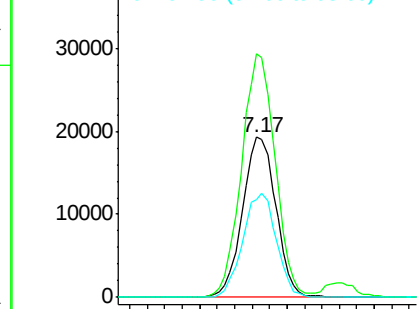
cis-1,2-Dichloroethene
Concen: 21.214 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	96	Resp	51190
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	298.6
98	65.0	0.0	130.4



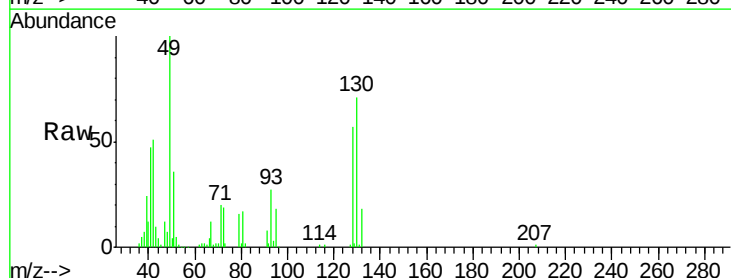
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



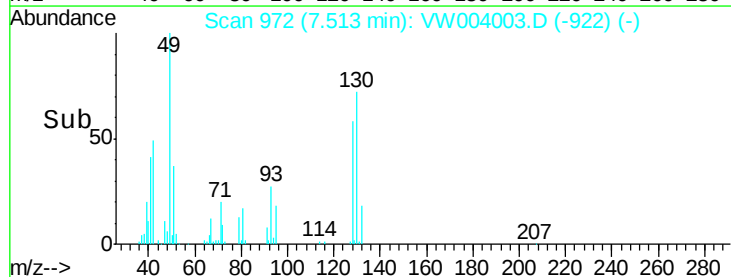
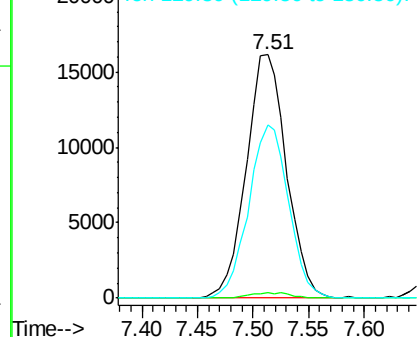
#28

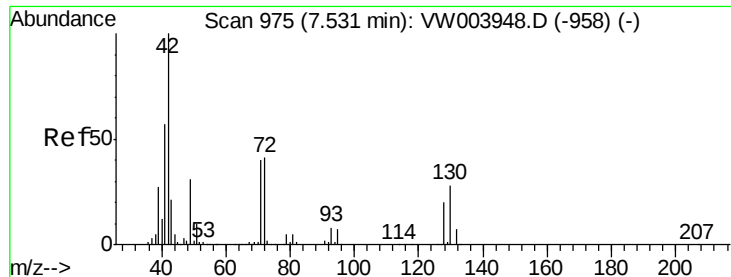
Bromochloromethane
Concen: 23.936 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion	49	Resp	40604
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.2
130	70.4	58.3	87.5



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

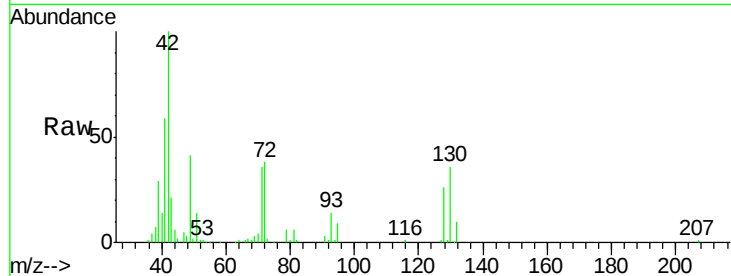




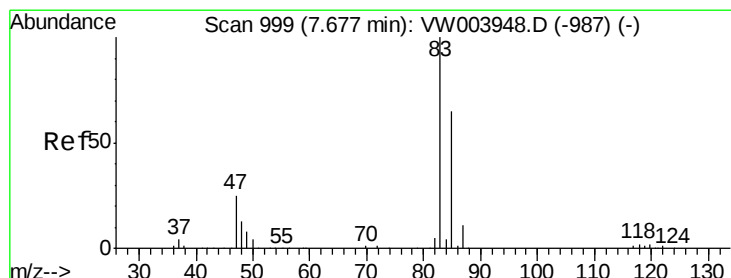
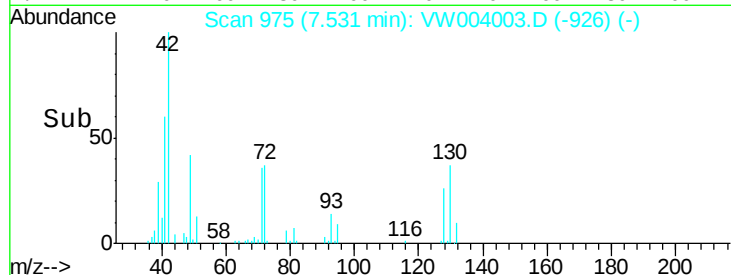
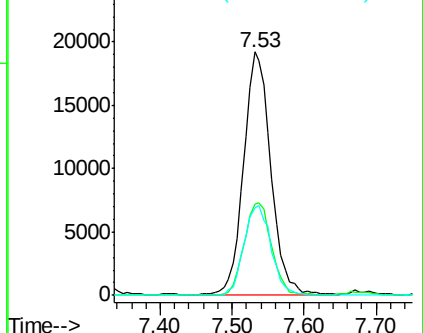
#29
Tetrahydrofuran
Concen: 107.255 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion: 42 Resp: 50603
Ion Ratio Lower Upper
42 100
72 38.1 32.6 48.8
71 36.6 30.5 45.7

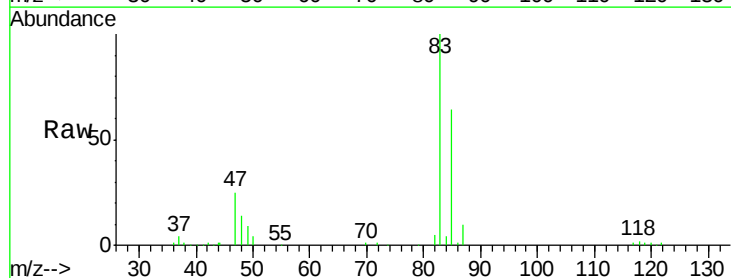


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

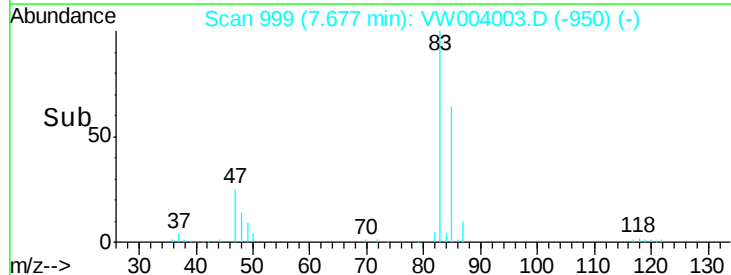
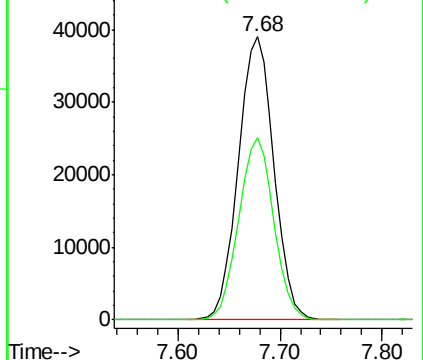


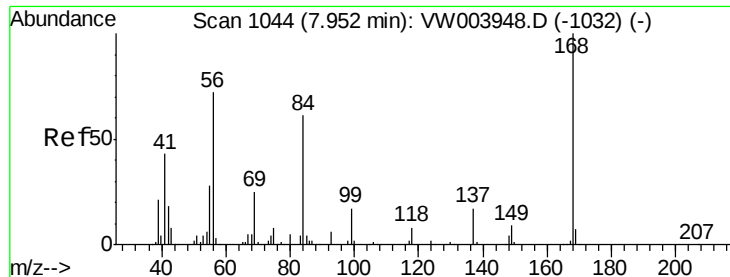
#30
Chloroform
Concen: 22.920 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 83 Resp: 94501
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.4



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

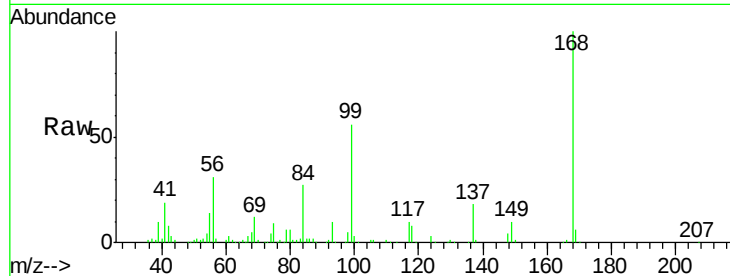




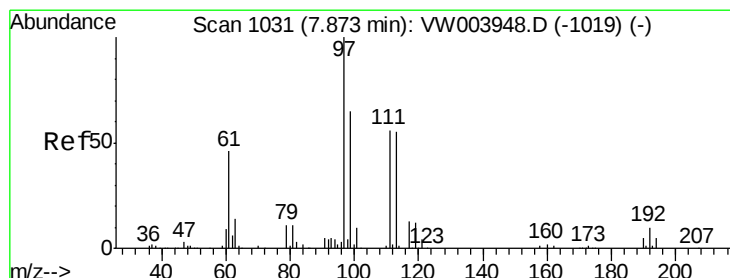
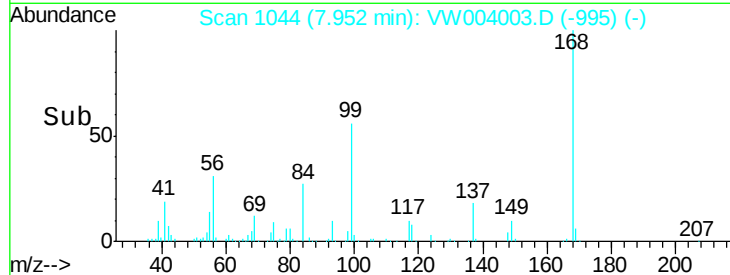
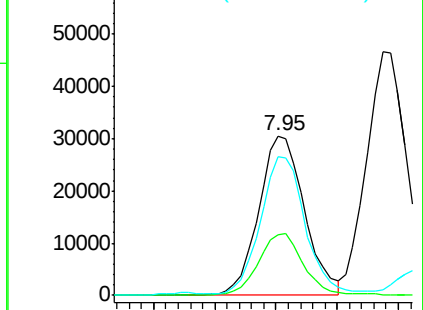
#31
Cyclohexane
Concen: 20.419 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Instrument :
MSVOA_W
ClientSampled :
VW0717SBS02

Tot Ion: 56 Resp: 79342
Ion Ratio Lower Upper
56 100
69 38.0 27.8 41.8
84 85.6 67.2 100.8

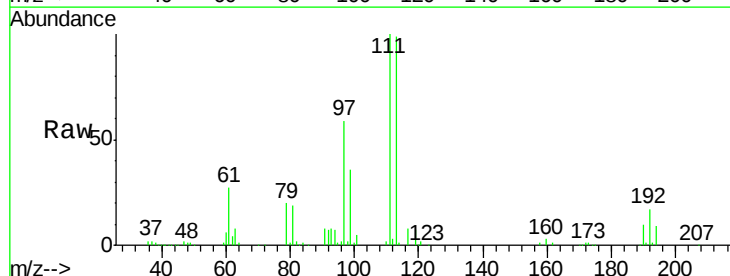


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

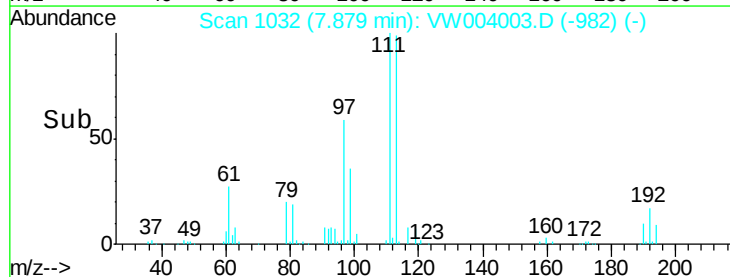
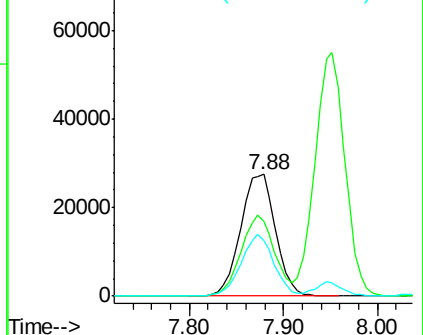


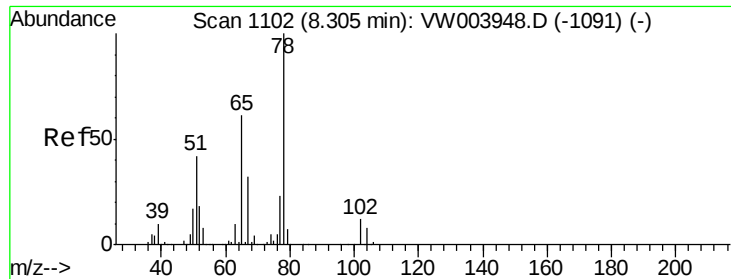
#32
1,1,1-Trichloroethane
Concen: 22.222 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 97 Resp: 71548
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 47.1 36.8 55.2



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

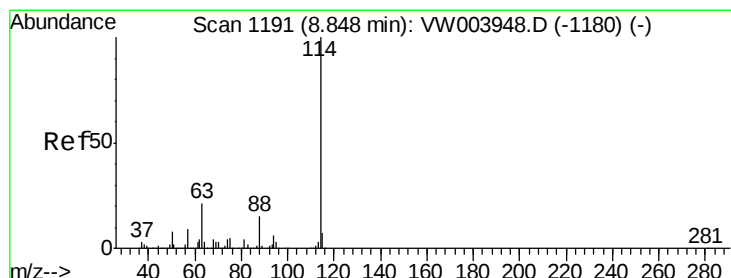
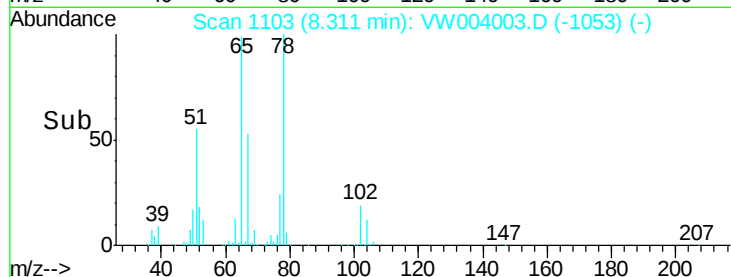
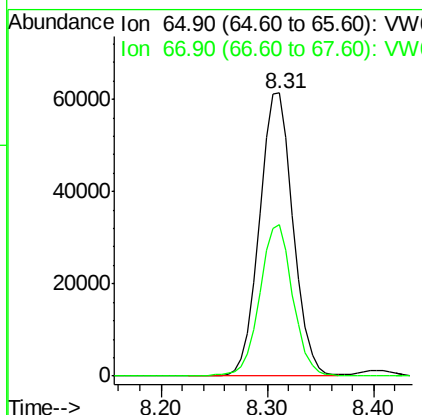
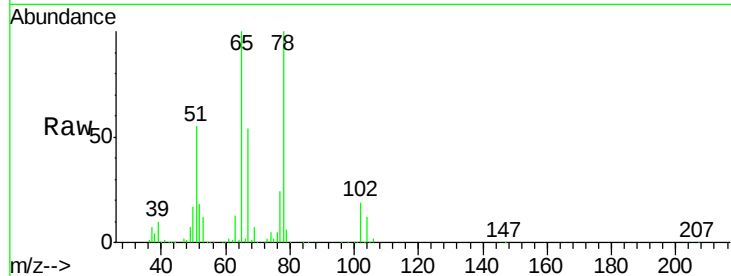




#33
 1,2-Dichloroethane-d4
 Concen: 57.850 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

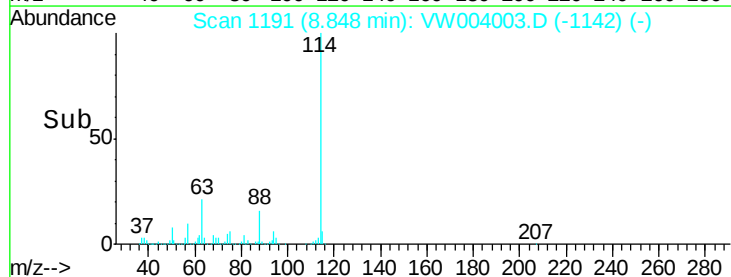
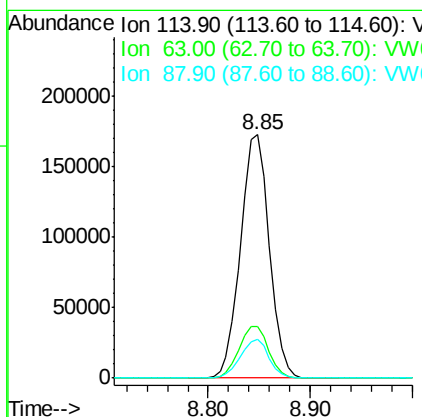
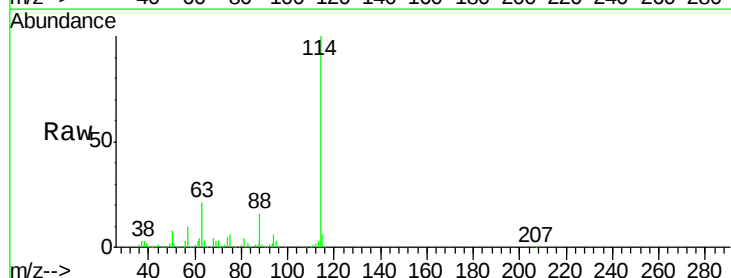
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

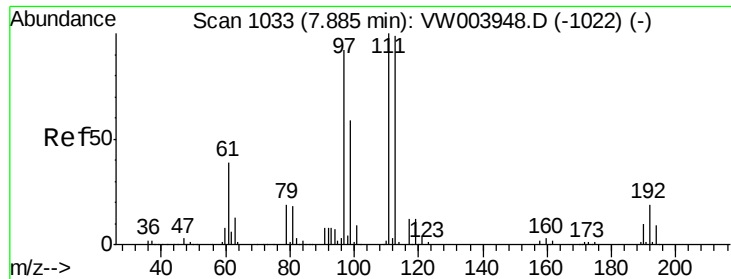
Tot Ion: 65 Resp: 135501
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 114 Resp: 339725
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 16.1 0.0 30.4

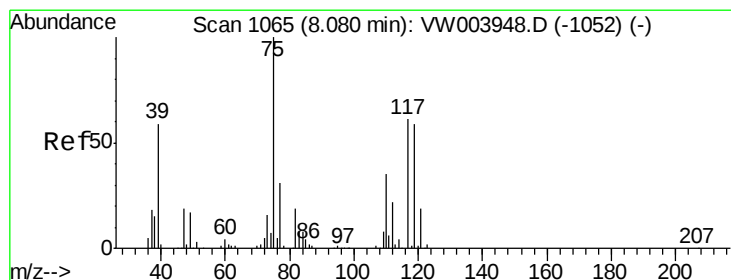
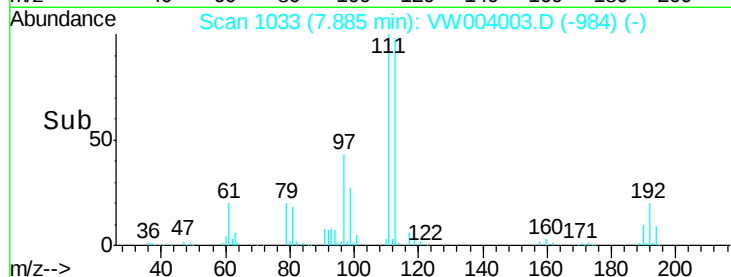
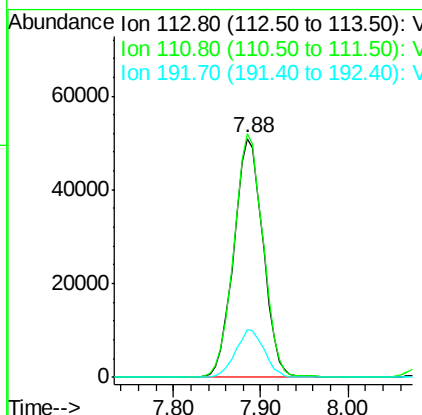
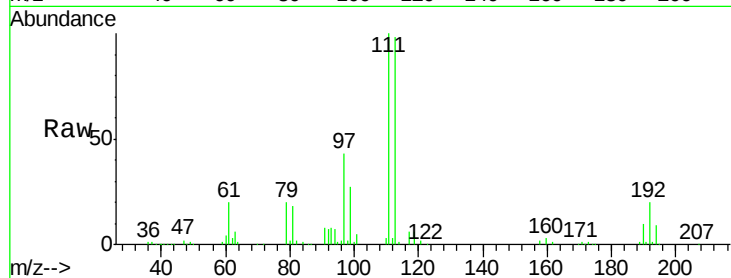




#35
 Dibromofluoromethane
 Concen: 54.336 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

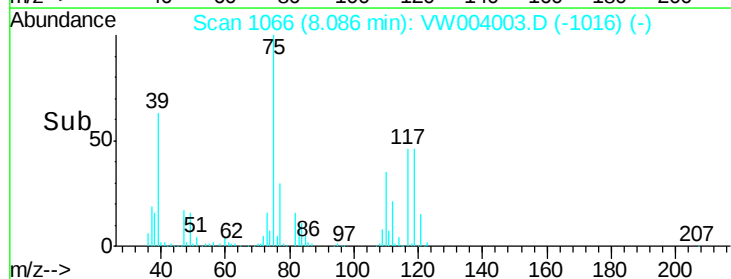
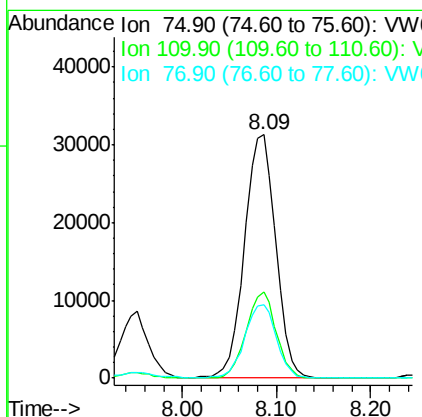
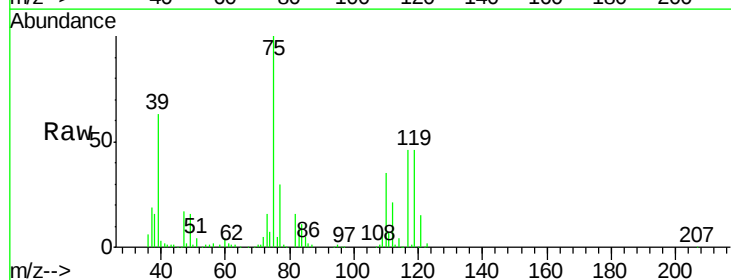
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

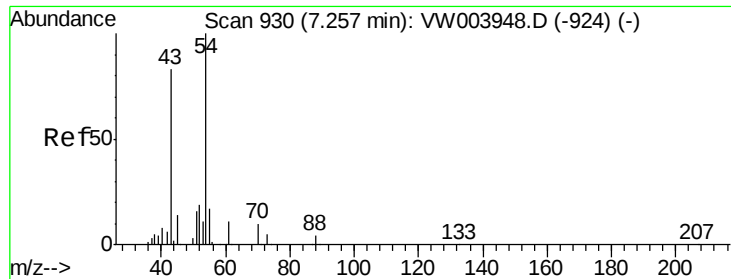
Tot Ion:113 Resp: 118440
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.3 121.9
 192 19.4 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 20.893 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 75 Resp: 73026
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.0 51.0
 77 30.7 24.9 37.3

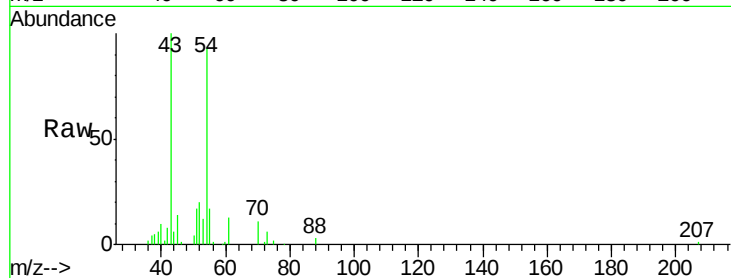




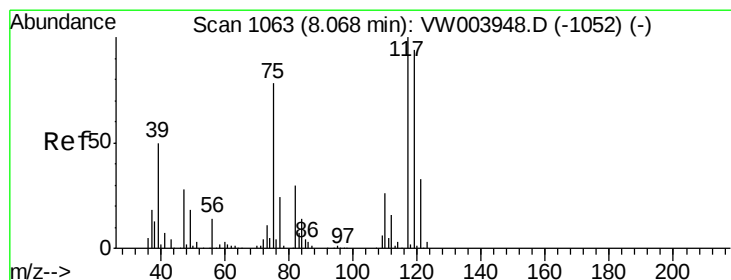
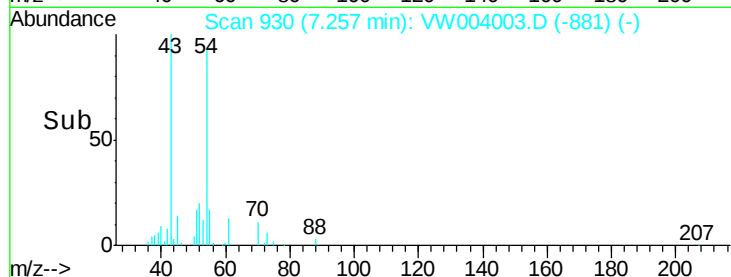
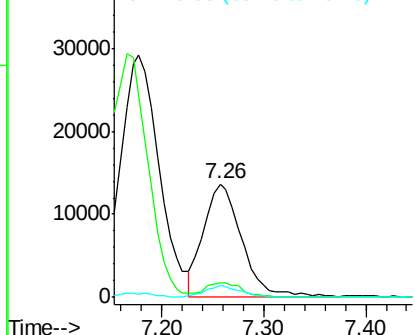
#37
Ethyl Acetate
Concen: 20.895 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion: 43 Resp: 35227
Ion Ratio Lower Upper
43 100
61 12.8 10.7 16.1
70 9.7 7.7 11.5

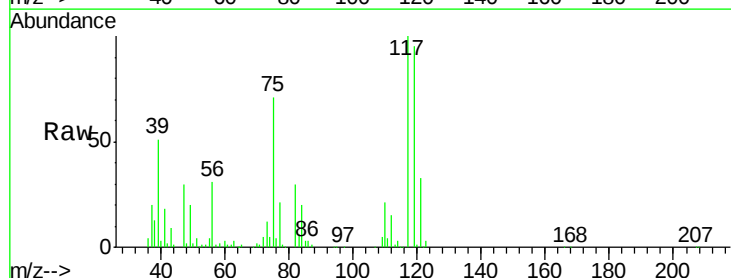


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

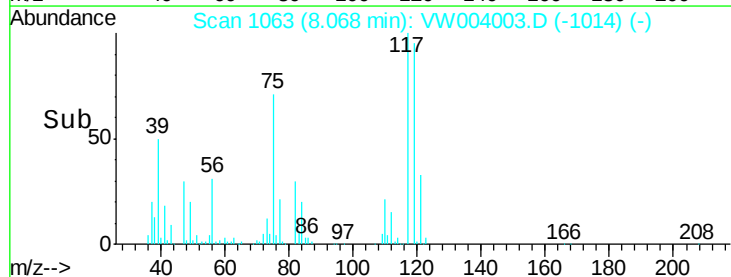
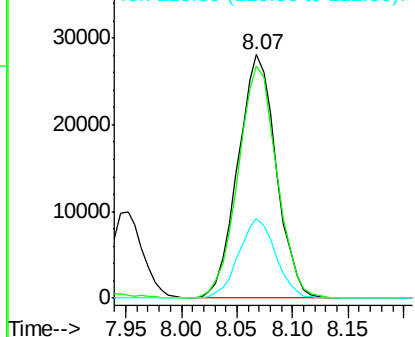


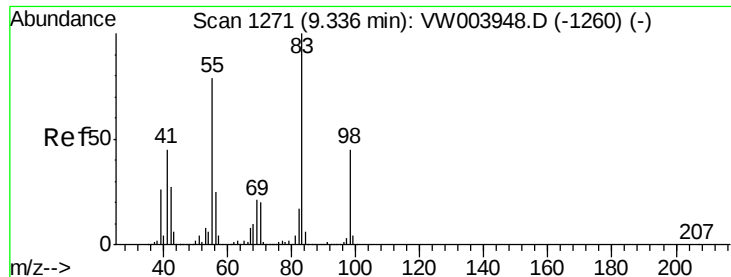
#38
Carbon Tetrachloride
Concen: 20.535 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 117 Resp: 67066
Ion Ratio Lower Upper
117 100
119 95.2 75.3 112.9
121 32.8 26.0 39.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

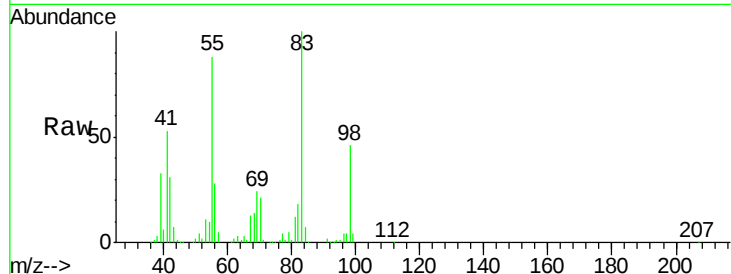




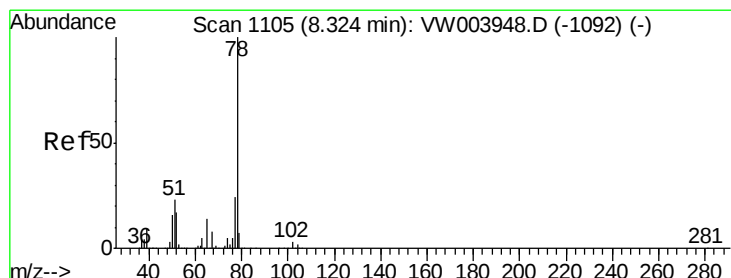
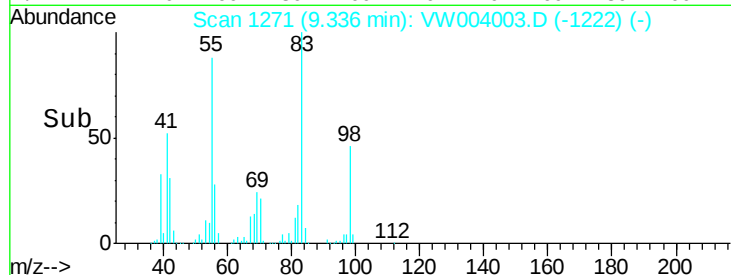
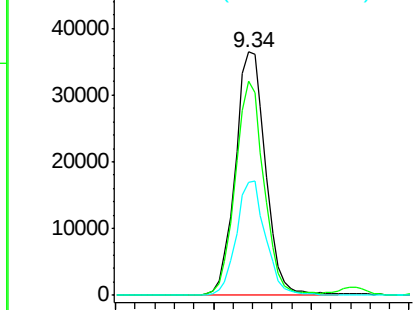
#39
Methvlcvclohexane
Concen: 19.082 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion: 83 Resp: 78112
Ion Ratio Lower Upper
83 100
55 88.2 62.8 94.2
98 46.3 36.2 54.4

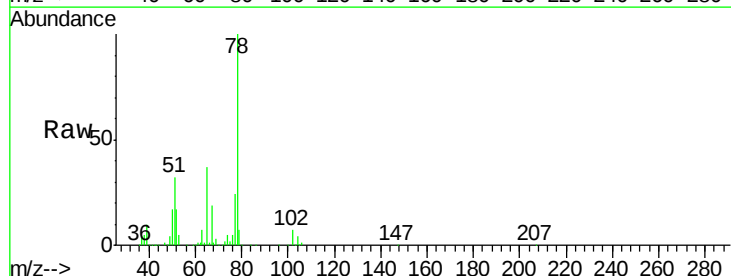


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

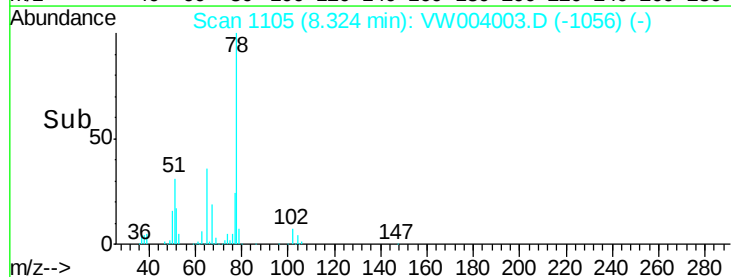
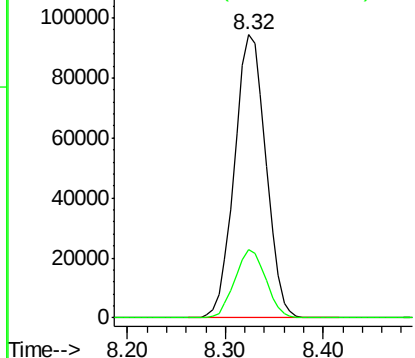


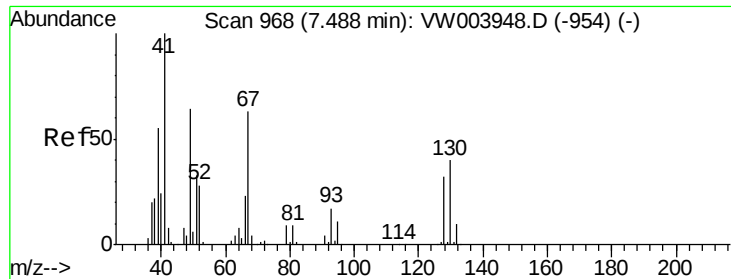
#40
Benzene
Concen: 21.702 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 78 Resp: 210447
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3



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

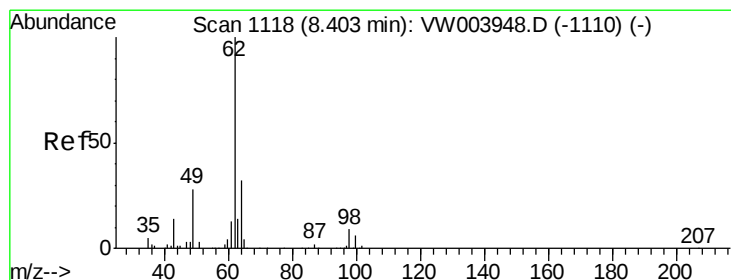
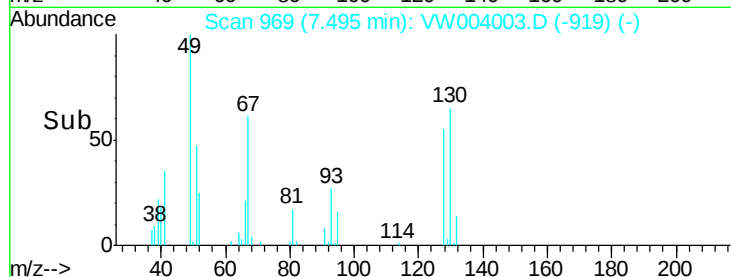
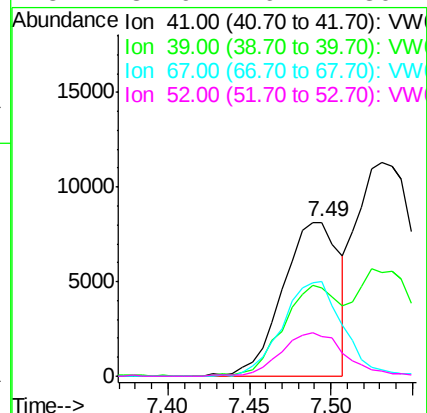
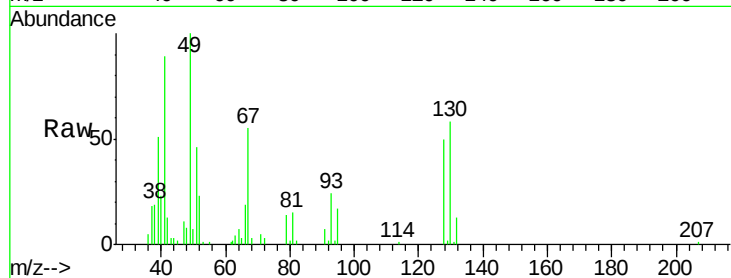




#41
Methacrylonitrile
Concen: 21.119 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

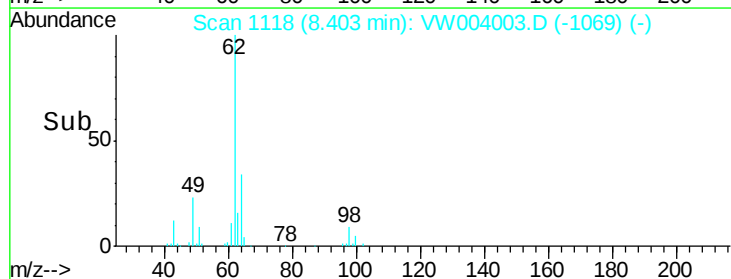
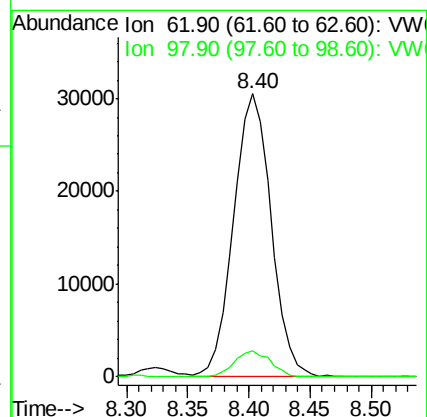
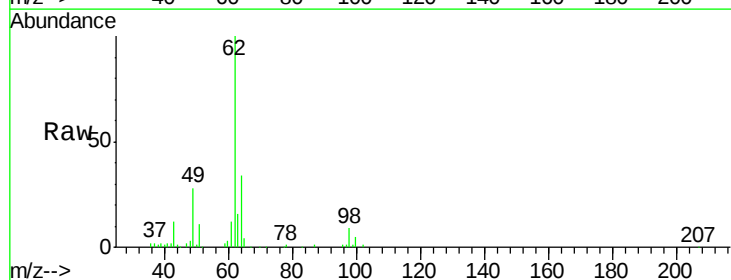
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

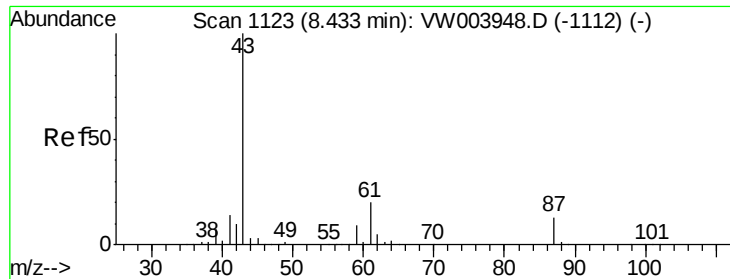
Tot Ion:	41	Resp:	19728
Ion	Ratio	Lower	Upper
41	100		
39	58.2	50.0	75.0
67	65.4	60.8	91.2
52	31.9	26.2	39.4



#42
1,2-Dichloroethane
Concen: 21.981 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion:	62	Resp:	65028
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4



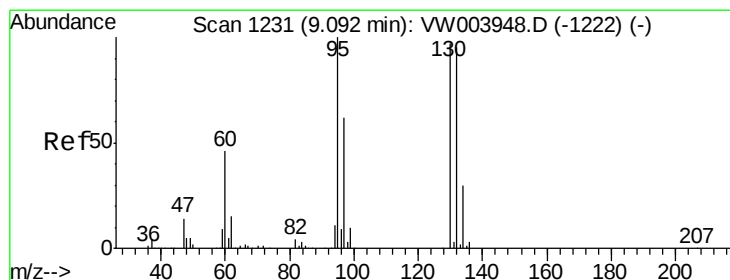
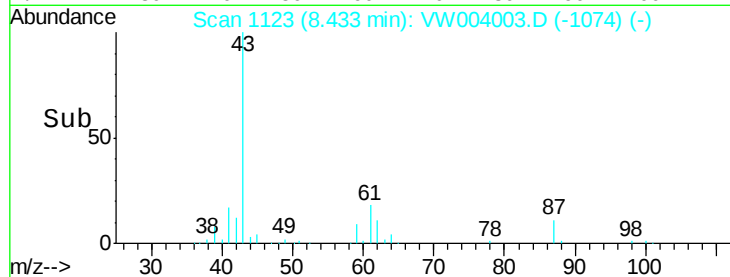
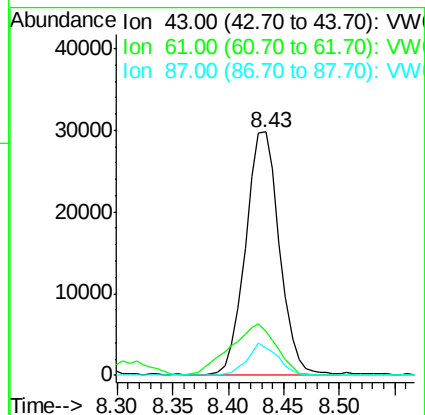
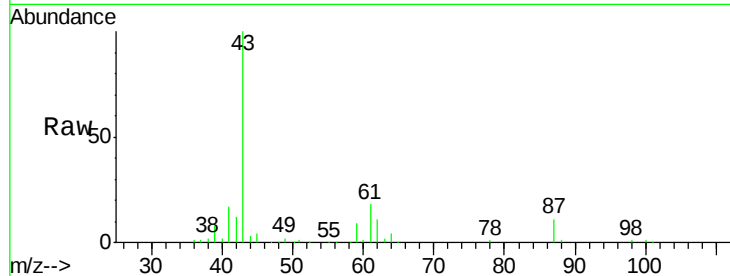


#43

Isopropyl Acetate
 Concen: 19.916 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

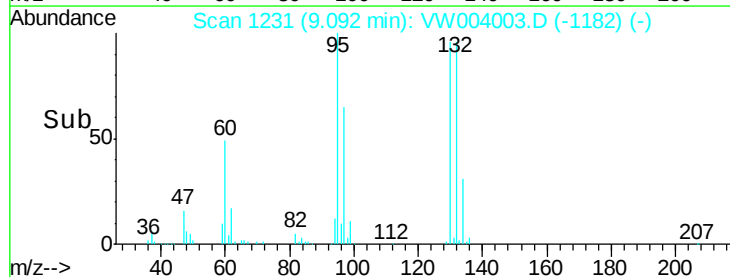
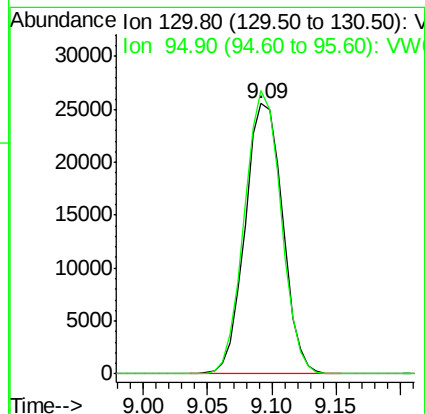
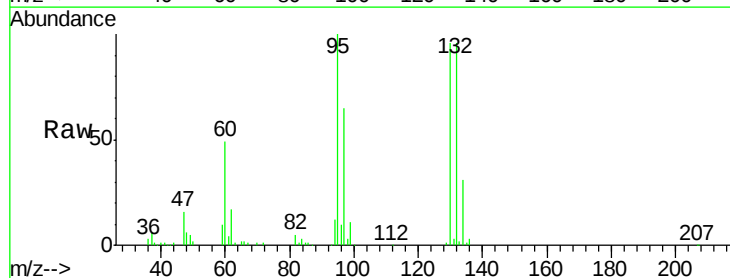
Tot Ion	43	Resp	62799
Ion Ratio	Lower	Upper	
43	100		
61	29.1	23.0	34.6
87	11.8	9.9	14.9

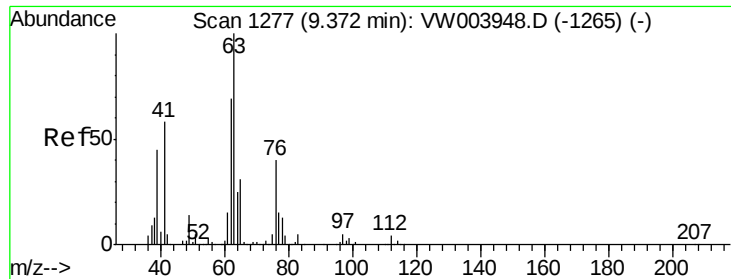


#44

Trichloroethene
 Concen: 20.457 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion	130	Resp	51423
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
130	100		
95	104.7	0.0	206.8

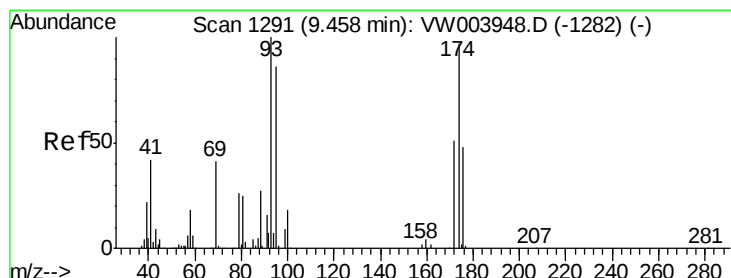
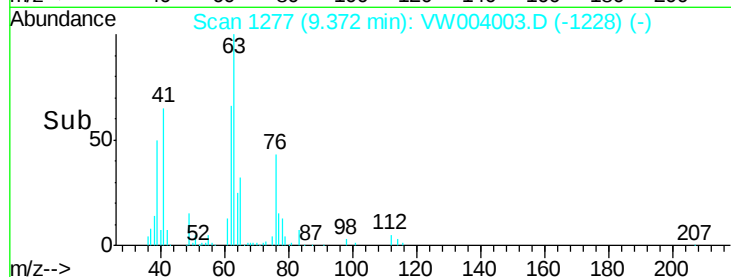
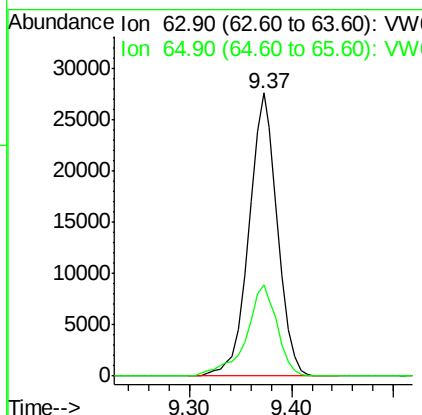
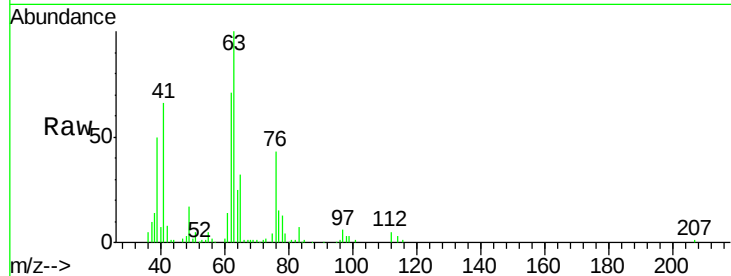




#45
 1,2-Dichloropropane
 Concen: 21.625 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

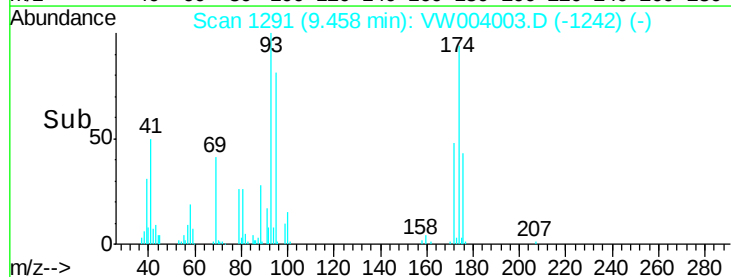
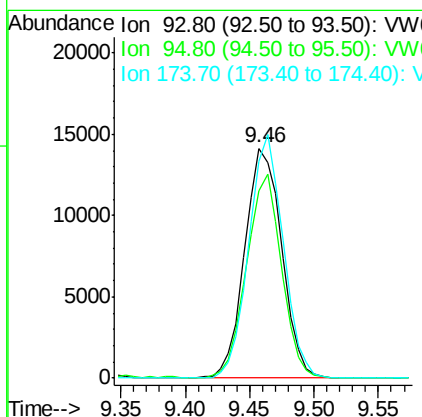
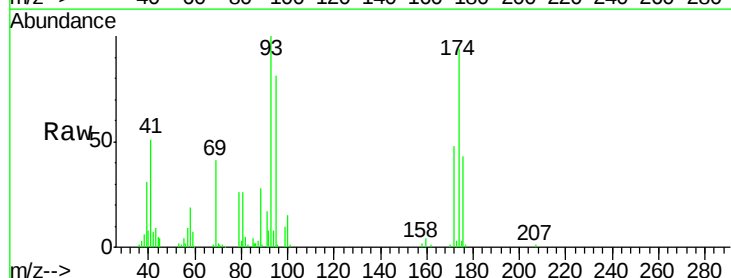
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

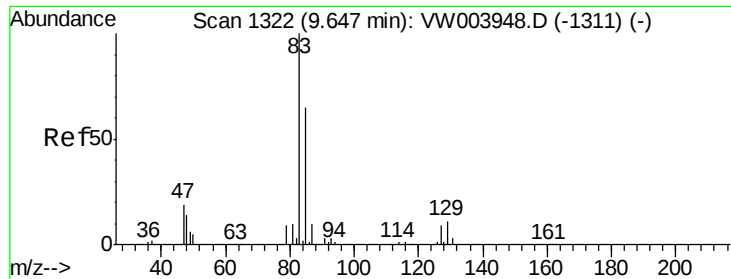
Tot Ion: 63 Resp: 53523
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.8 37.2



#46
 Dibromomethane
 Concen: 21.836 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 93 Resp: 28044
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.9 100.3
 174 98.6 80.2 120.2





#47

Bromodichloromethane

Concen: 21.231 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

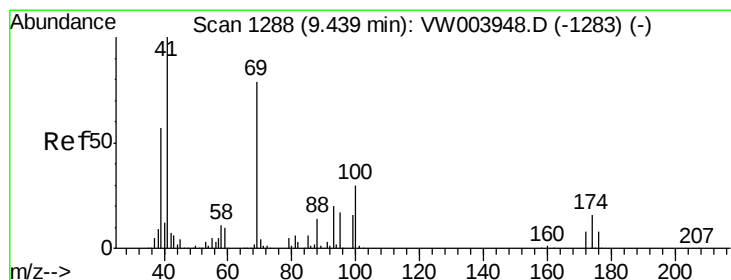
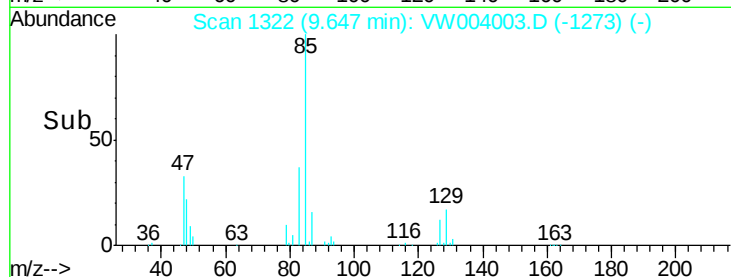
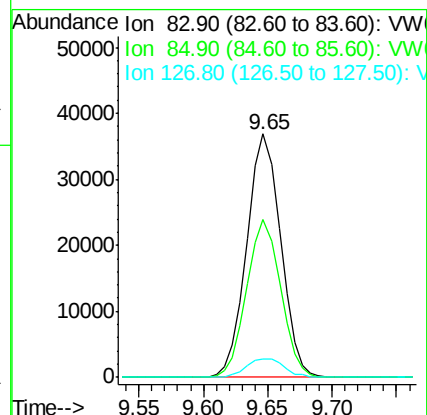
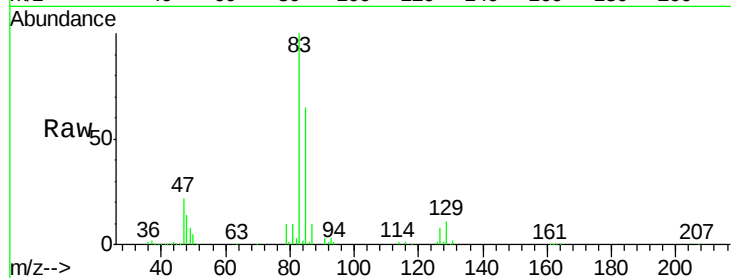
Tot Ion: 83 Resp: 67218

Ion Ratio Lower Upper

83 100

85 64.9 52.2 78.2

127 7.6 7.0 10.4



#48

Methyl methacrylate

Concen: 19.949 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

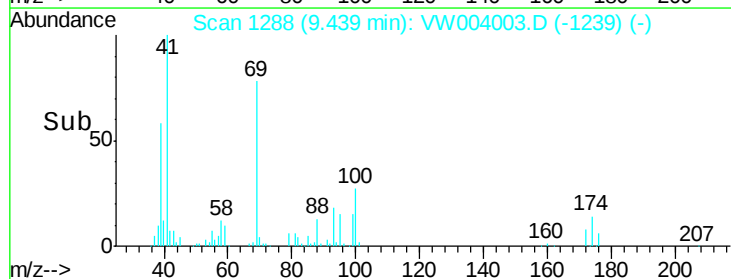
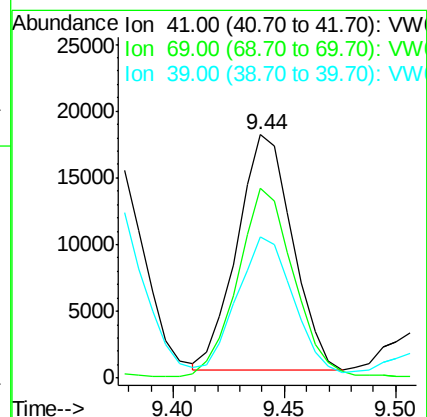
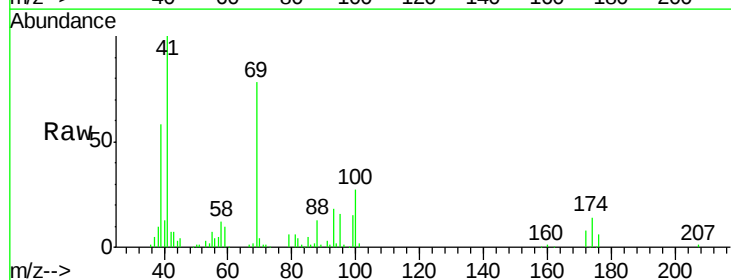
Tgt Ion: 41 Resp: 30422

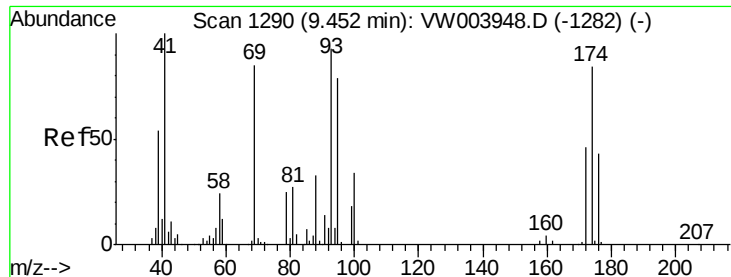
Ion Ratio Lower Upper

41 100

69 81.6 67.0 100.6

39 63.0 48.8 73.2





#49

1,4-Dioxane

Concen: 448.392 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

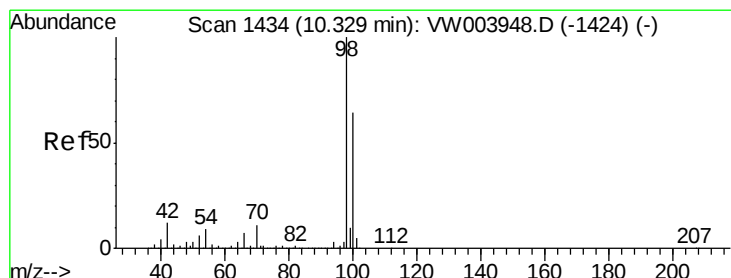
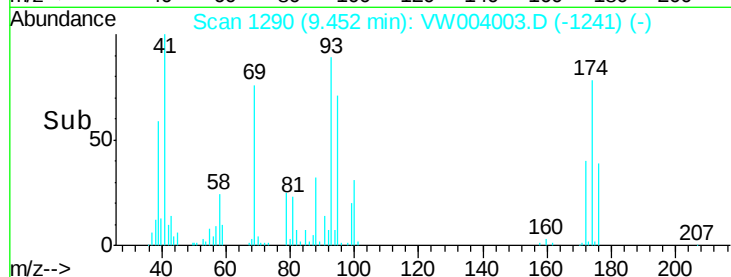
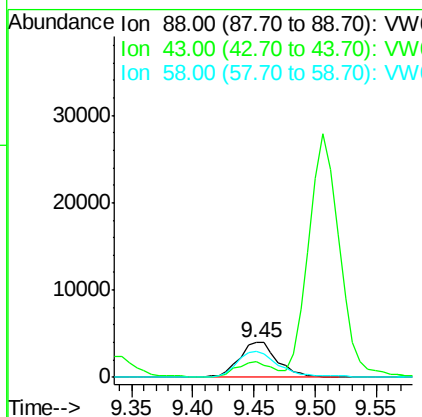
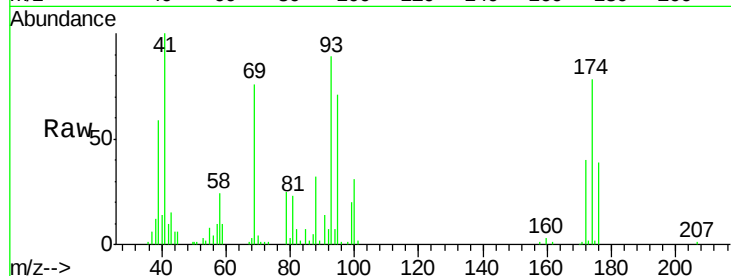
Tot Ion: 88 Resp: 8852

Ion Ratio Lower Upper

88 100

43 41.1 27.3 40.9#

58 81.1 61.1 91.7



#50

Toluene-d8

Concen: 55.304 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004003.D

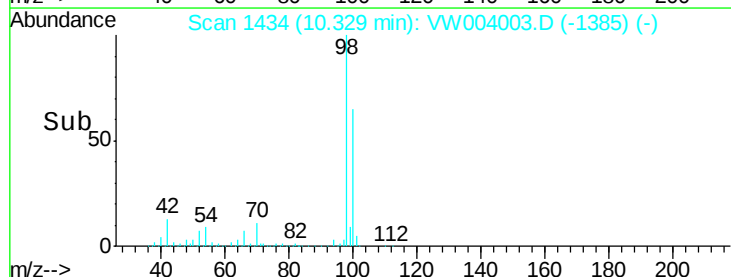
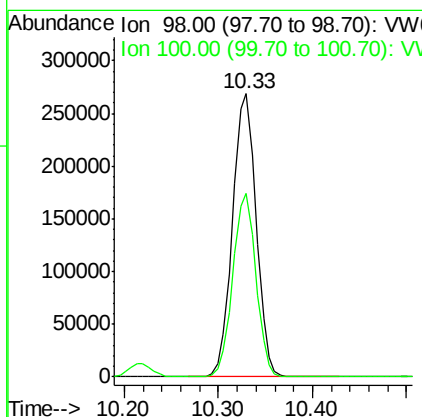
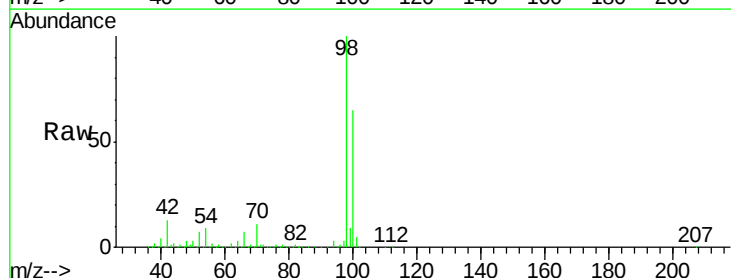
Acq: 18 Jul 2018 01:17

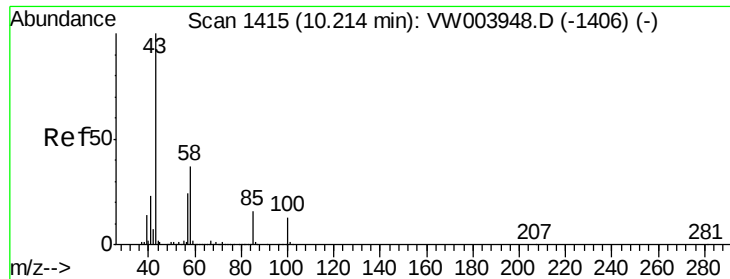
Tgt Ion: 98 Resp: 467761

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8

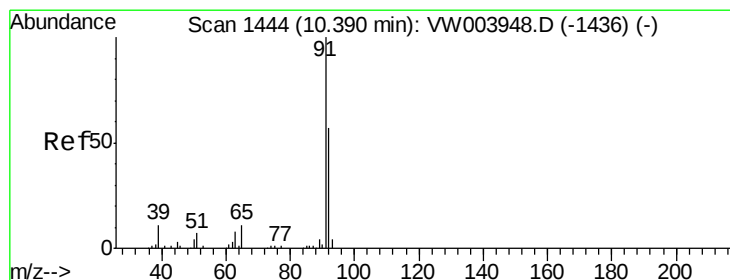
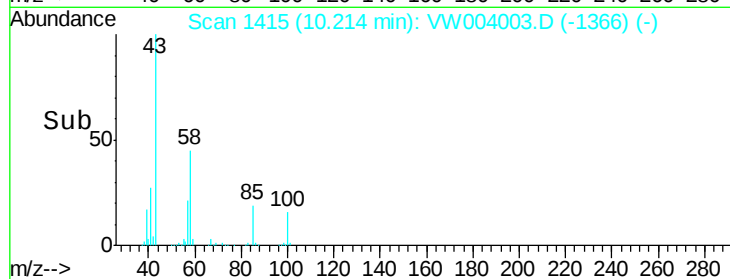
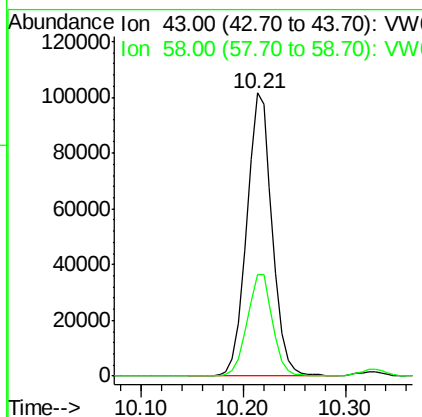
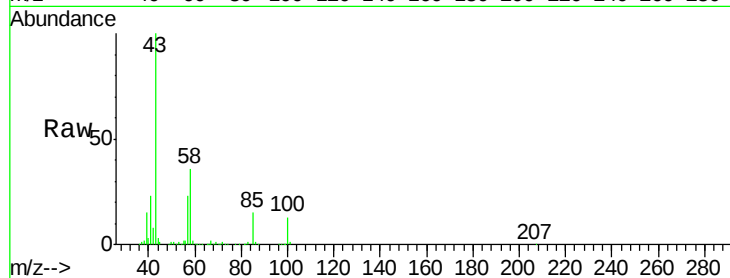




#51
 4-Methyl-2-Pentanone
 Concen: 104.624 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

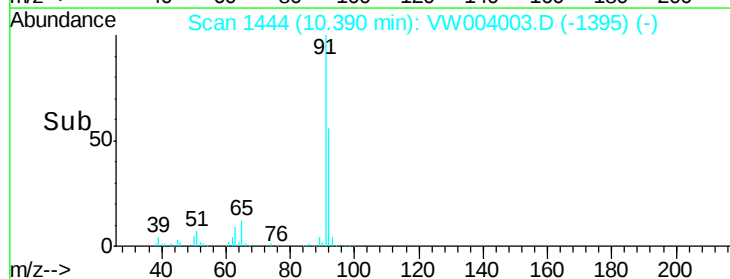
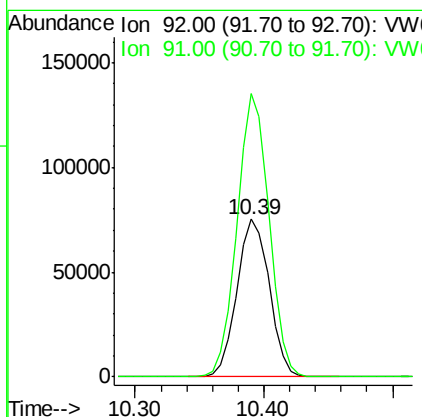
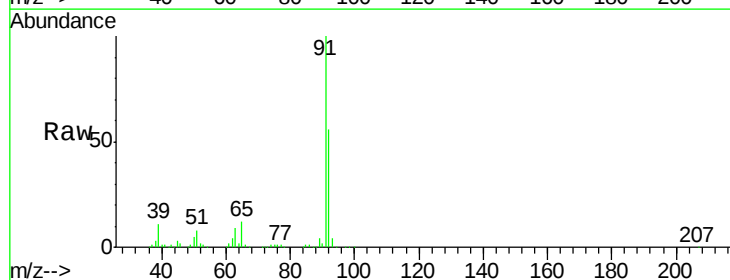
Instrument :
 MSVOA_W
 ClientSampled :
 VW0717SBS02

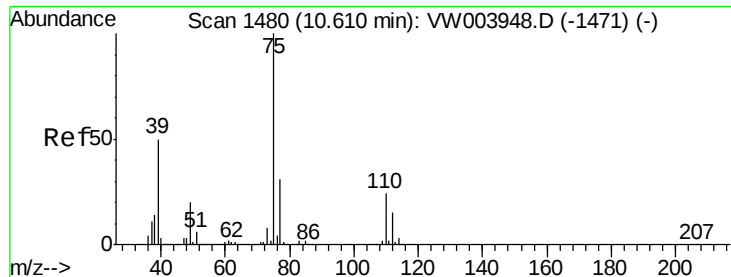
Tot Ion: 43 Resp: 175760
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.9 44.9



#52
 Toluene
 Concen: 21.818 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 92 Resp: 130832
 Ion Ratio Lower Upper
 92 100
 91 177.2 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 19.573 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

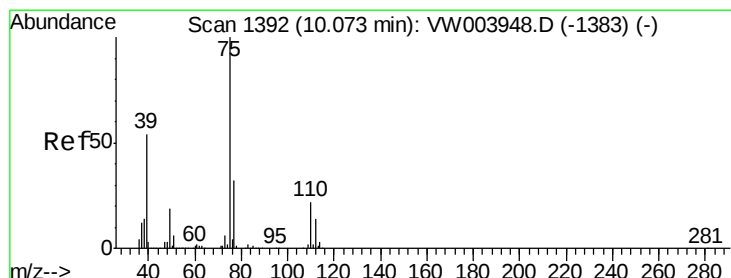
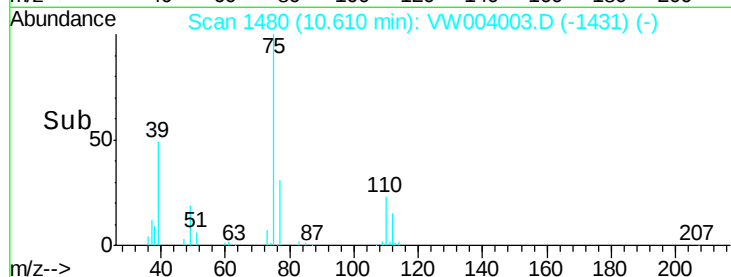
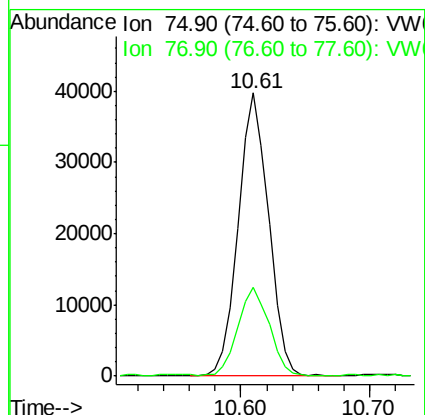
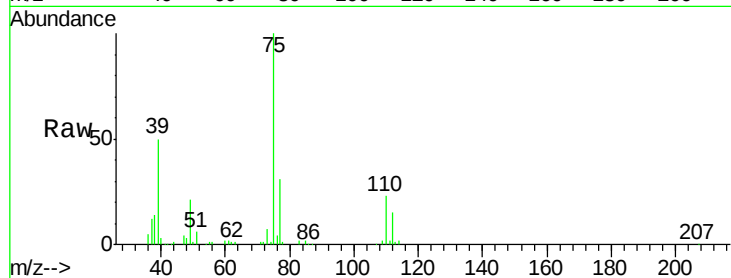
VW0717SBS02

Tot Ion: 75 Resp: 64804

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.686 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

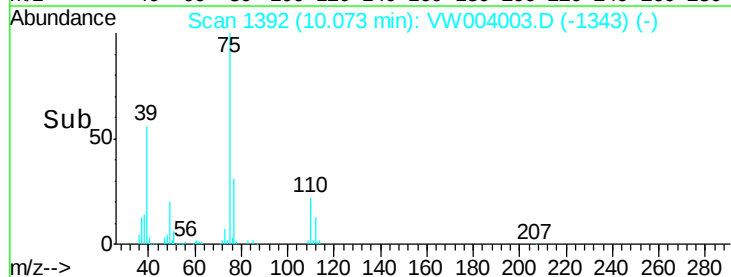
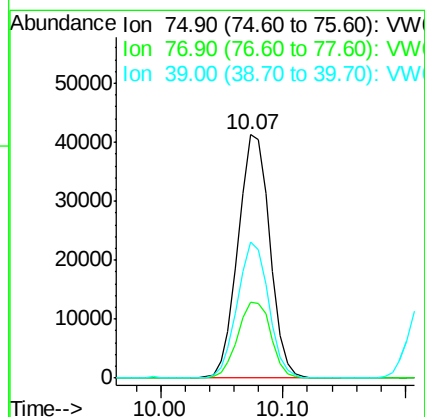
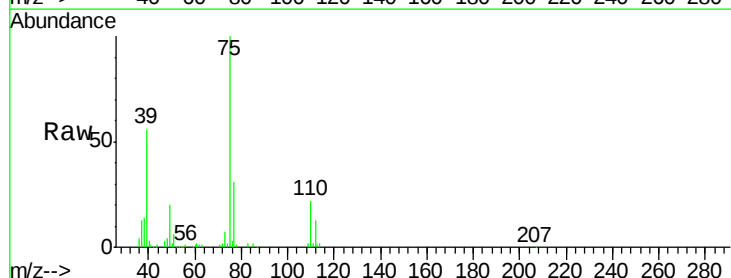
Tgt Ion: 75 Resp: 74559

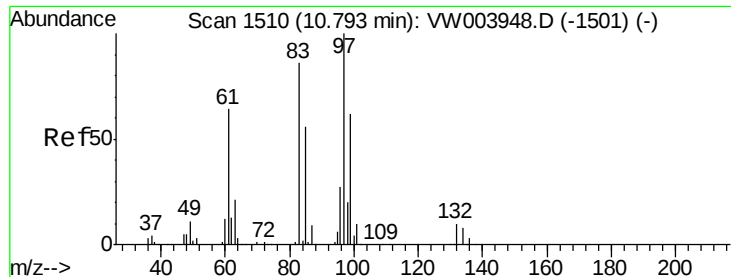
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 55.9 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 21.496 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 97 Resp: 38828

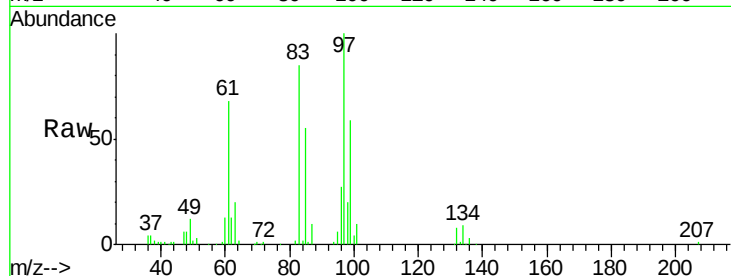
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.0	103.4
85	55.4	45.0	67.6
99	58.8	49.9	74.9

97 100

83 85.0 69.0 103.4

85 55.4 45.0 67.6

99 58.8 49.9 74.9

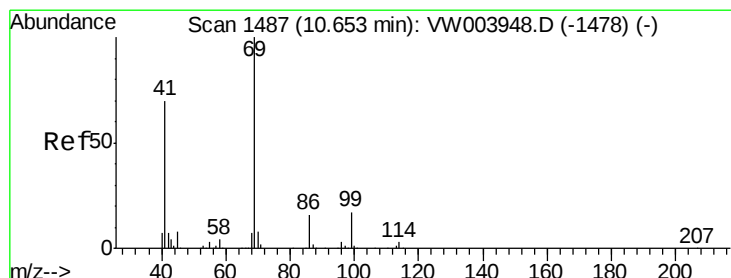
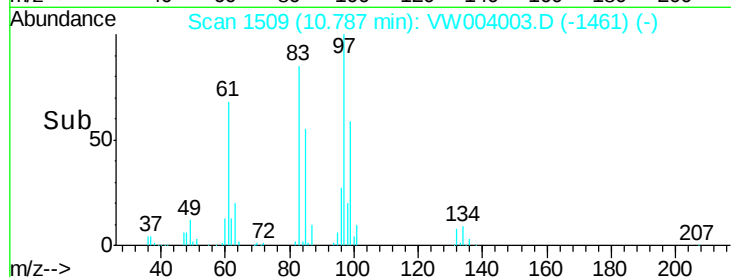
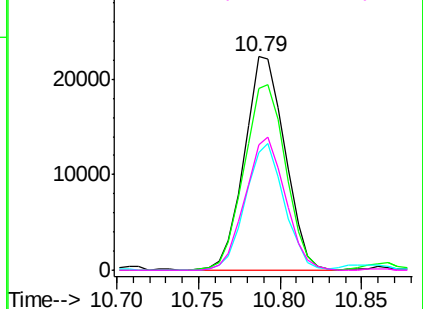


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.262 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

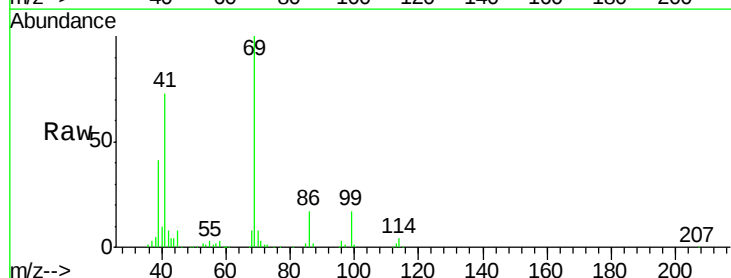
Tgt Ion: 69 Resp: 44793

Ion	Ratio	Lower	Upper
69	100		
41	73.8	56.5	84.7
39	38.3	30.2	45.4

69 100

41 73.8 56.5 84.7

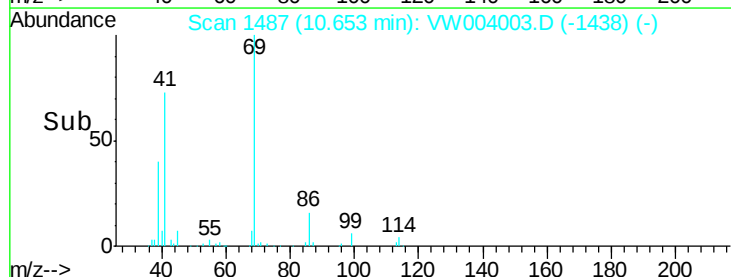
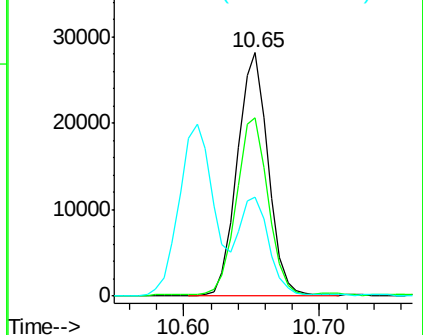
39 38.3 30.2 45.4

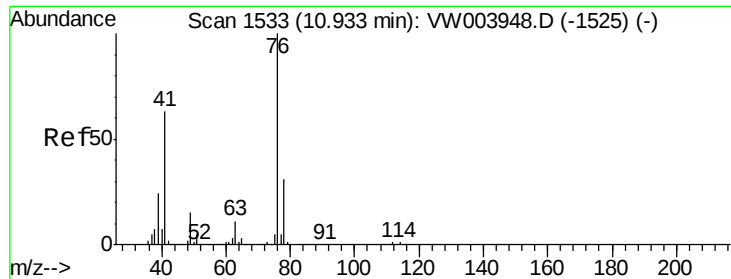


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

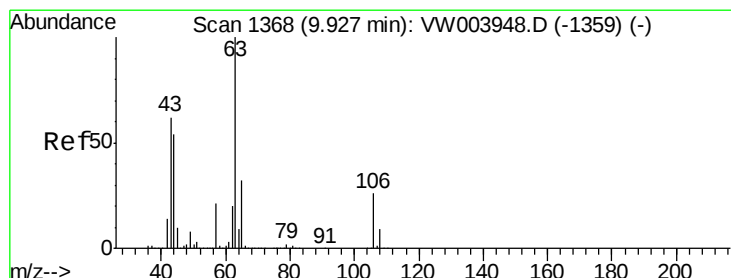
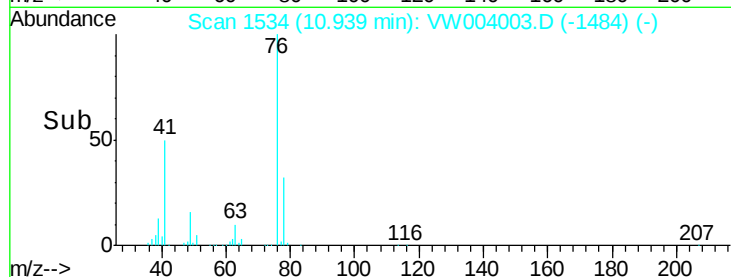
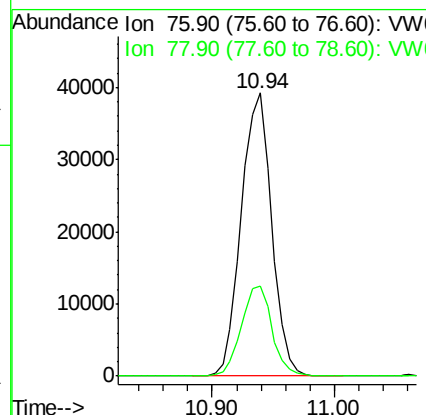
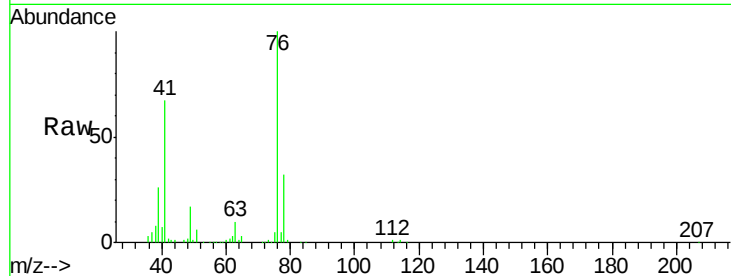




#57
 1,3-Dichloropropane
 Concen: 21.510 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

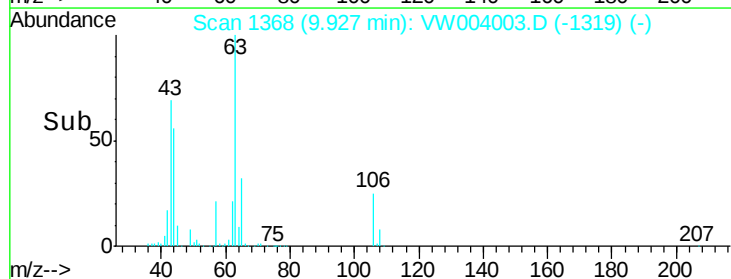
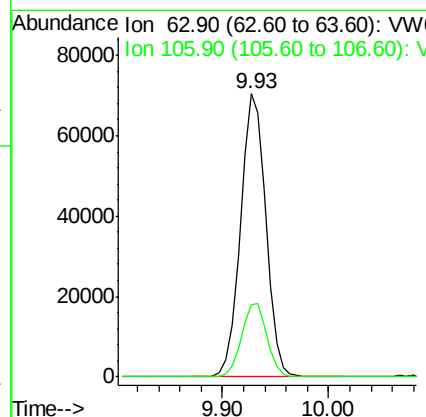
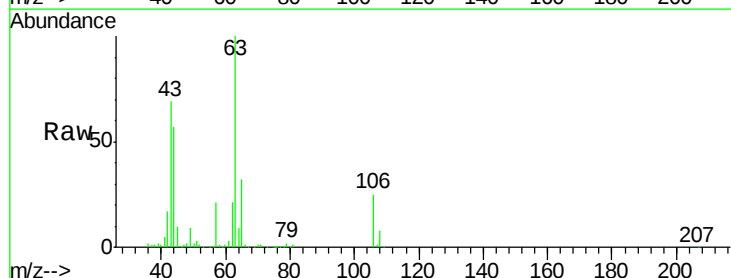
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

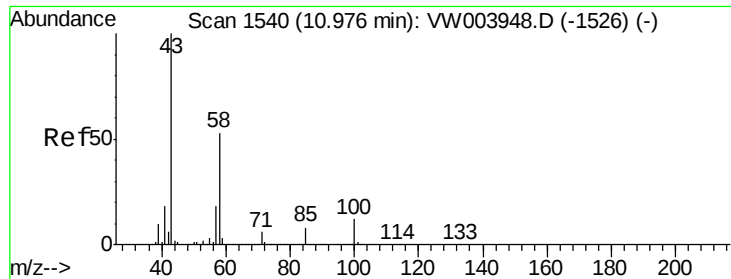
Tot Ion: 76 Resp: 67504
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.661 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 63 Resp: 117507
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.2 31.8

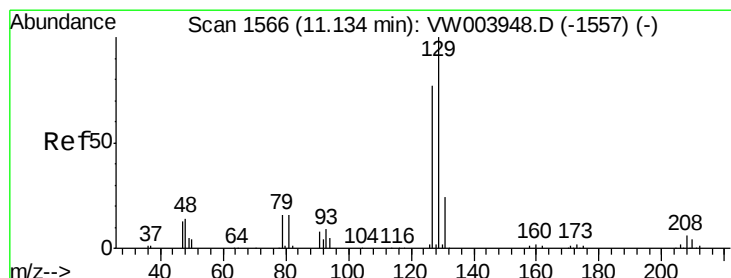
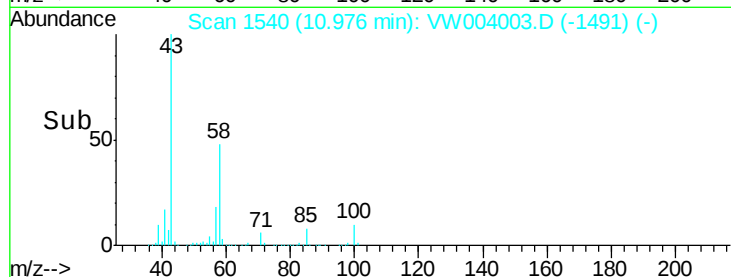
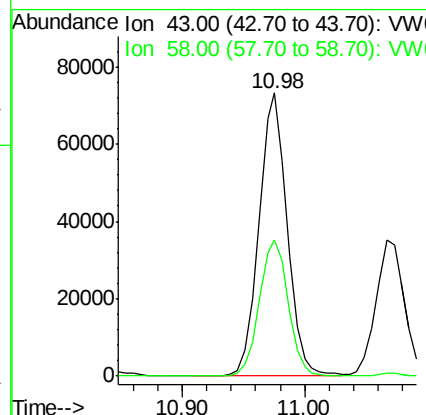
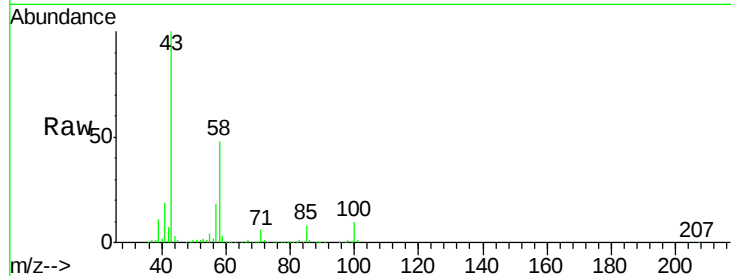




#59
2-Hexanone
Concen: 99.093 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

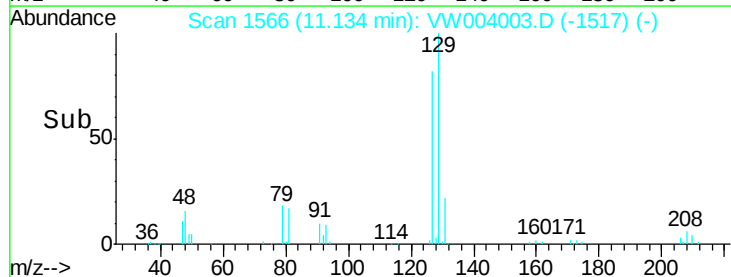
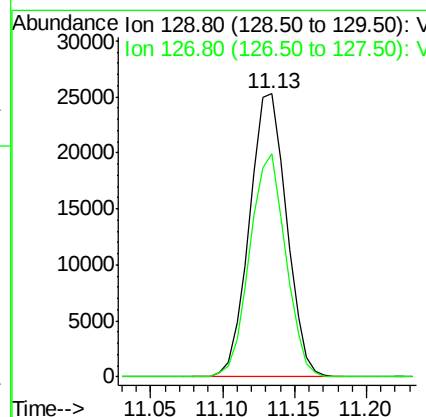
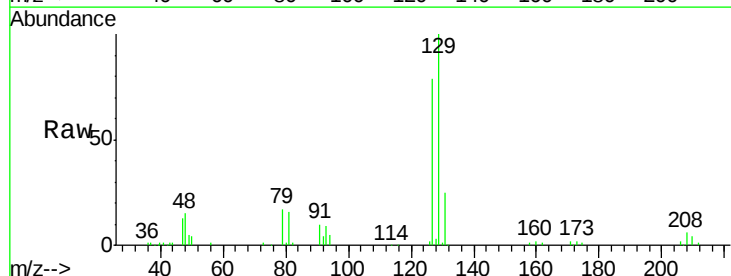
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

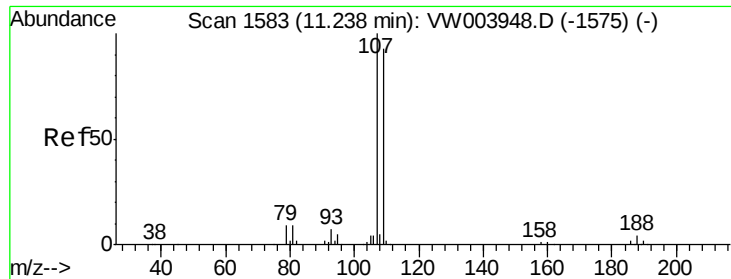
Tot Ion: 43 Resp: 117329
Ion Ratio Lower Upper
43 100
58 49.5 26.0 78.0



#60
Dibromochloromethane
Concen: 21.443 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 129 Resp: 45105
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.3

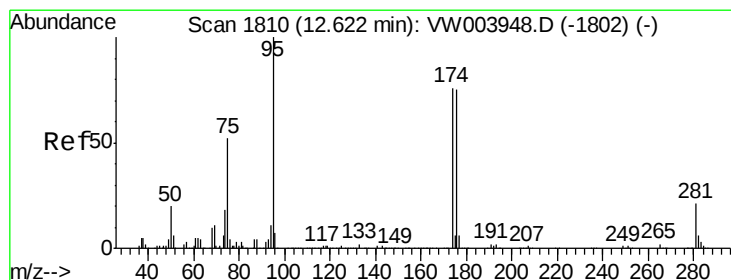
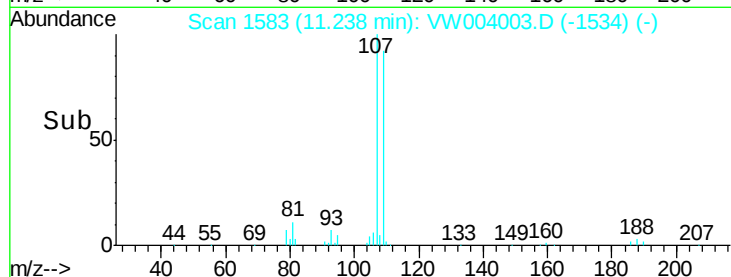
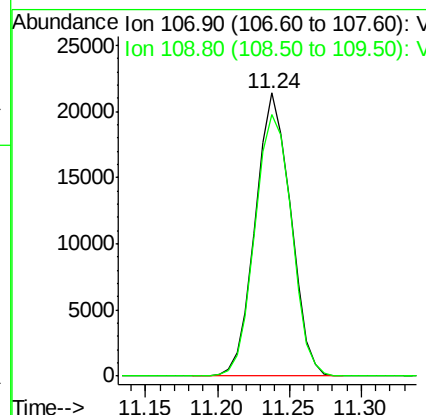
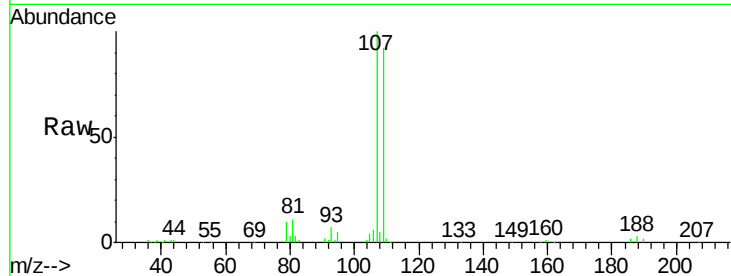




#61
 1,2-Dibromoethane
 Concen: 21.108 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

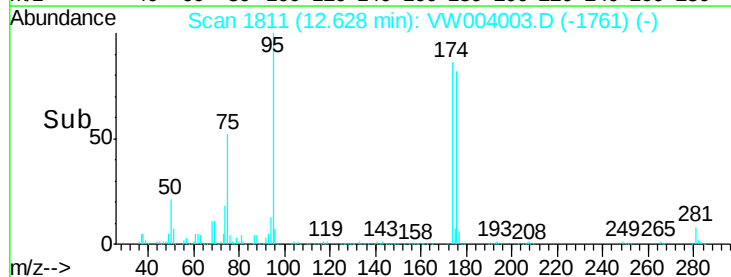
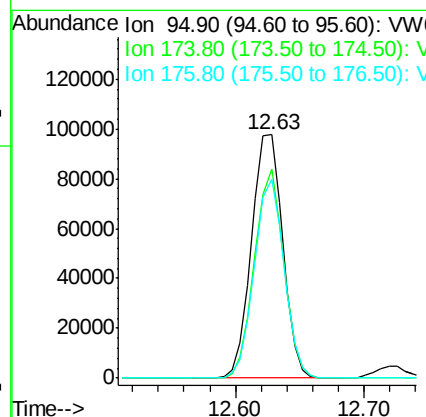
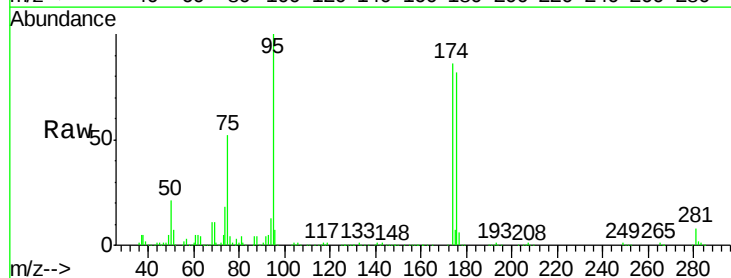
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion: 107 Resp: 36278
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 53.456 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 95 Resp: 163040
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 160.2
 176 77.9 0.0 155.8

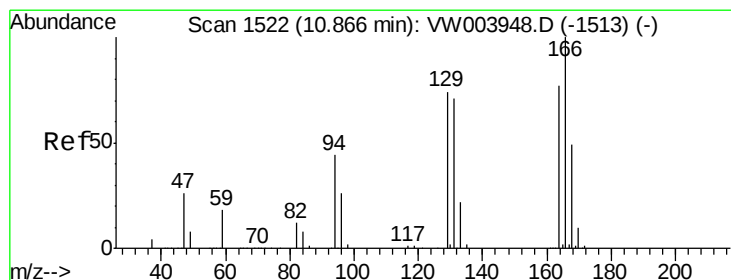
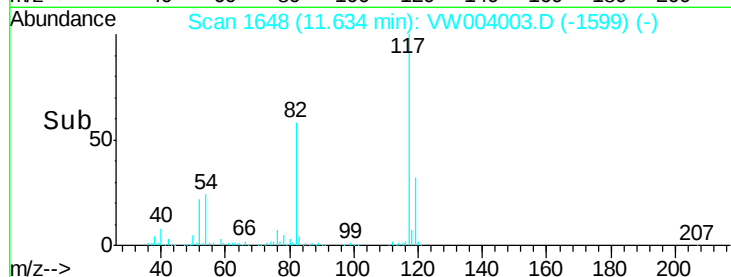
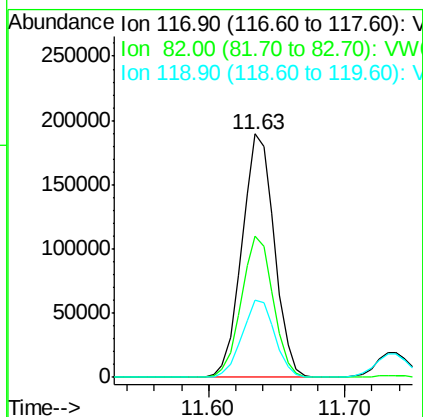
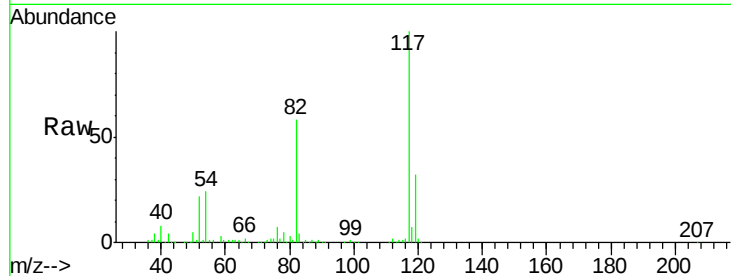




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

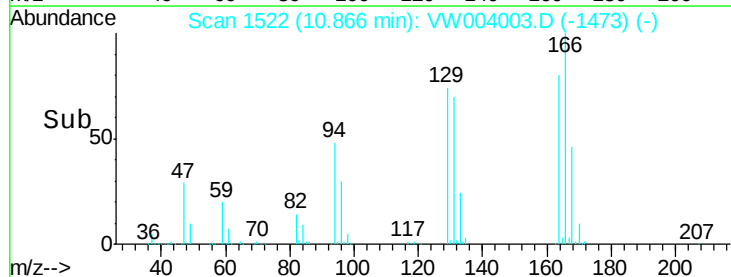
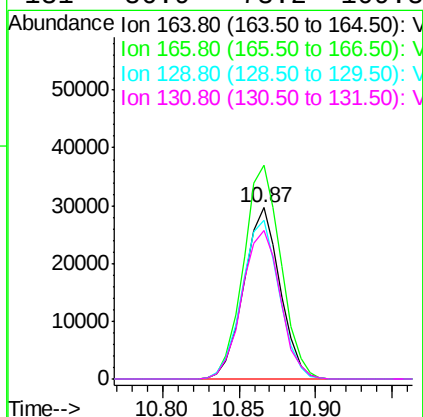
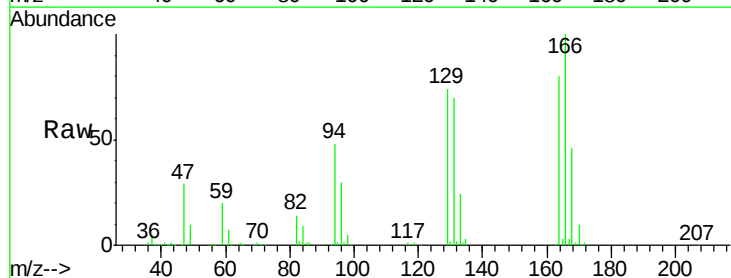
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion:117 Resp: 314929
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 31.5 26.2 39.2



#64
Tetrachloroethene
Concen: 22.562 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion:164 Resp: 48753
Ion Ratio Lower Upper
164 100
166 124.7 103.5 155.3
129 92.3 76.8 115.2
131 86.9 73.2 109.8

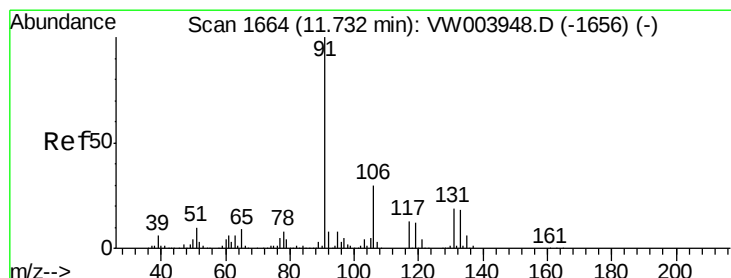
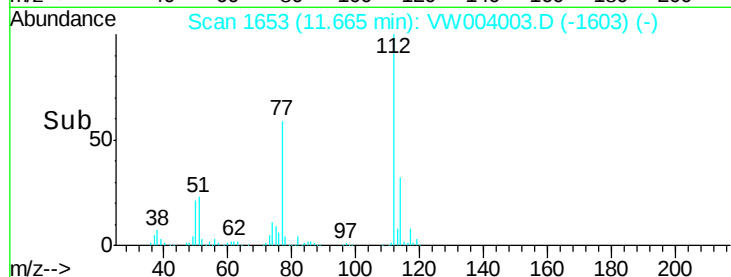
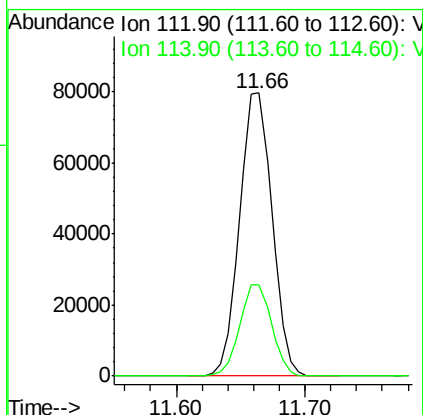
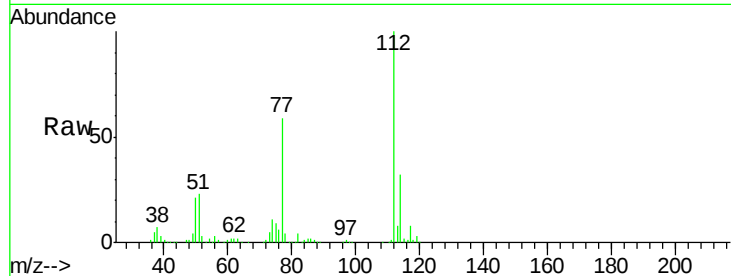




#65
Chlorobenzene
Concen: 20.742 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

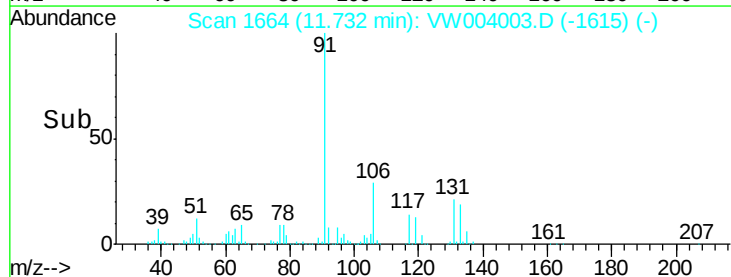
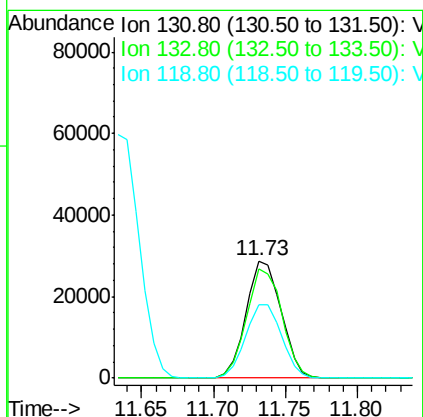
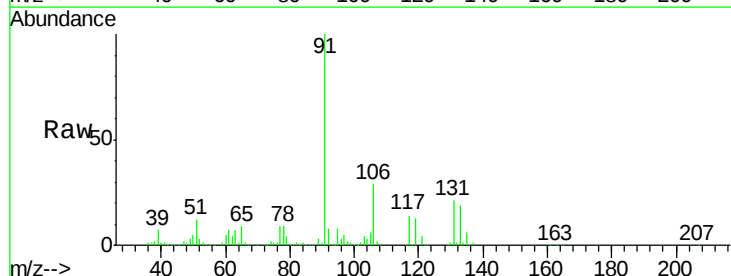
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

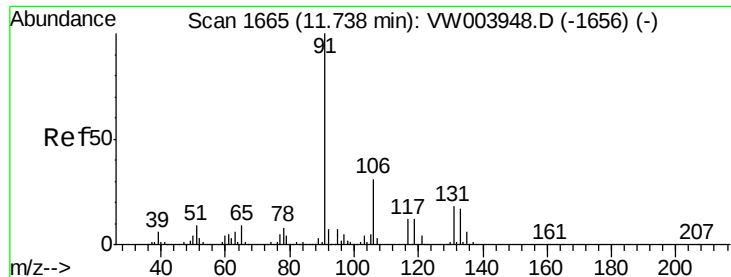
Tot Ion:112 Resp: 138901
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.741 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion:131 Resp: 48266
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.8
119 64.7 32.5 97.5

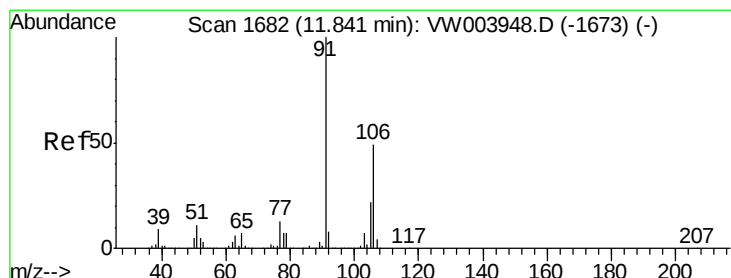
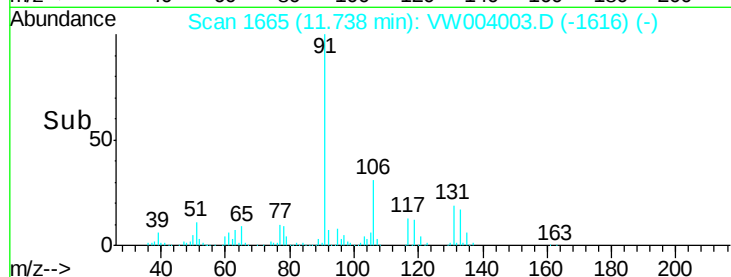
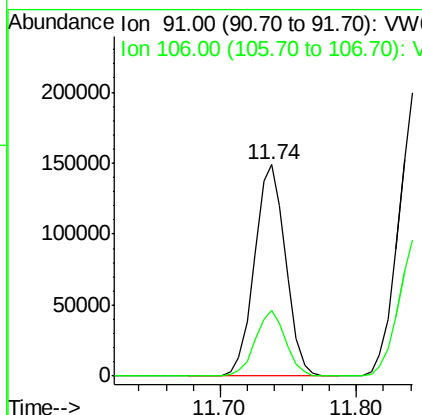
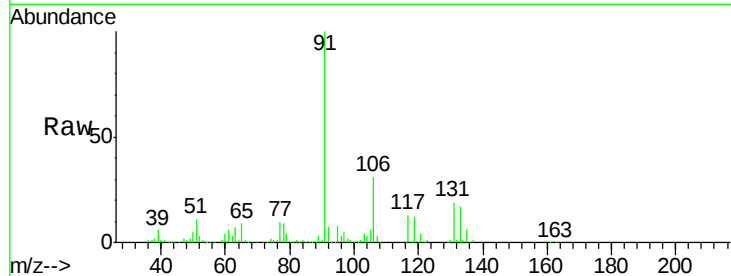




#67
Ethyl Benzene
Concen: 20.255 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

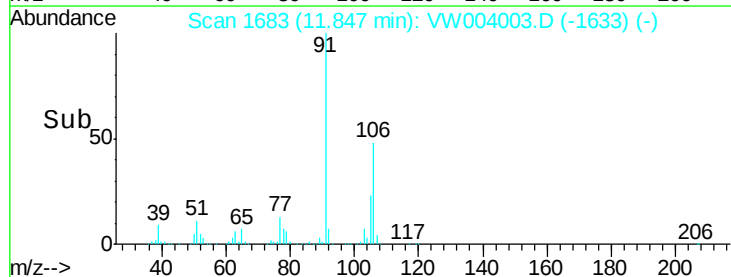
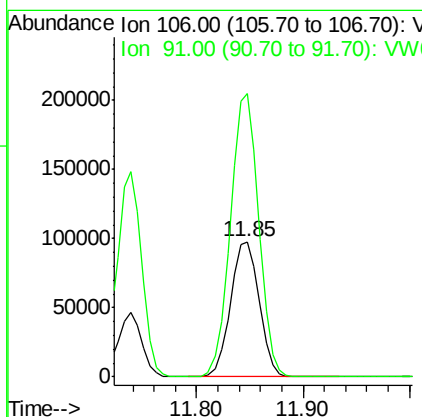
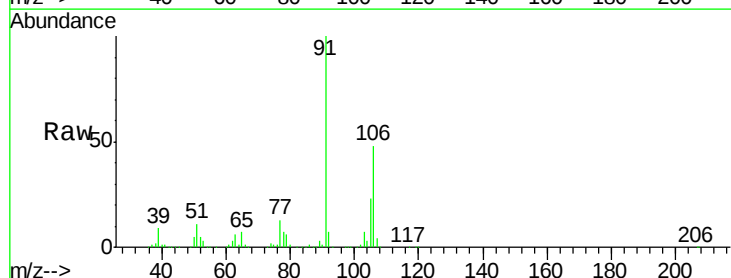
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

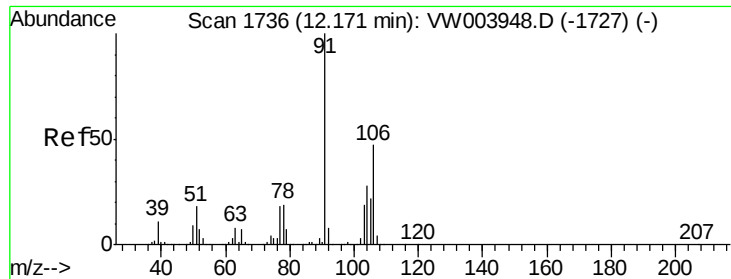
Tot Ion: 91 Resp: 238276
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 41.062 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 106 Resp: 184622
Ion Ratio Lower Upper
106 100
91 205.8 164.2 246.2

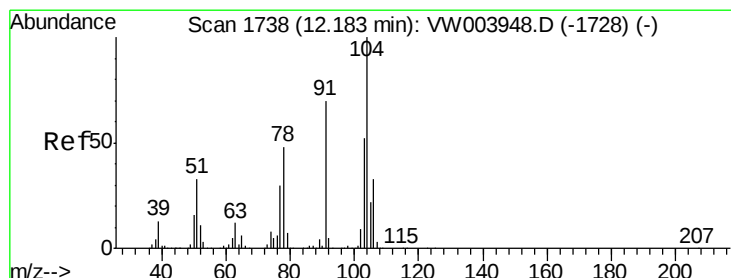
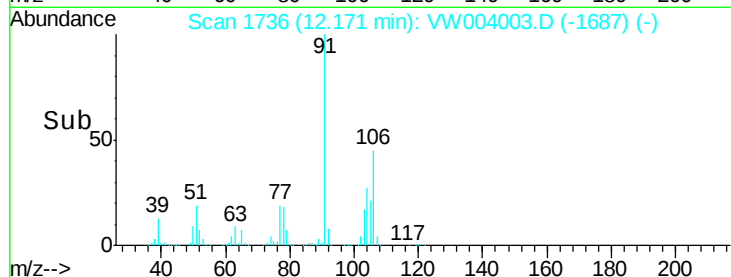
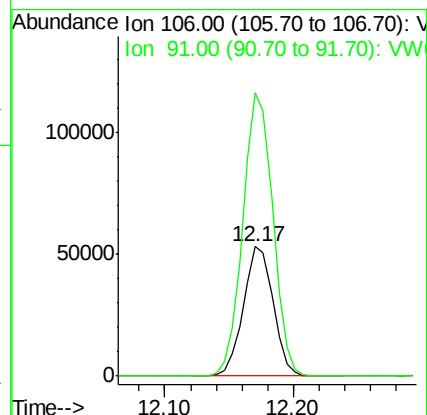
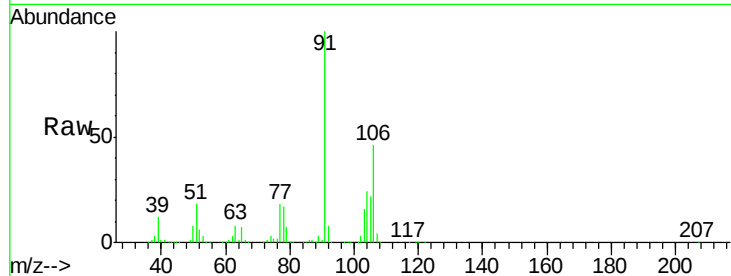




#69
o-Xylene
Concen: 20.337 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

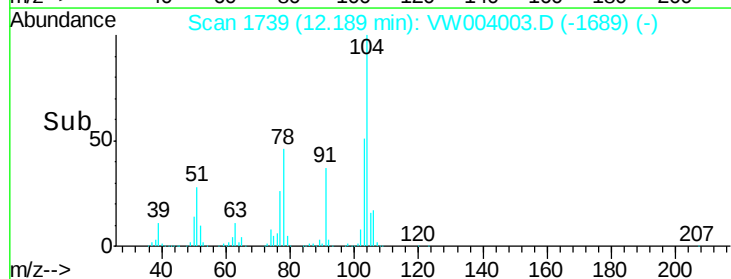
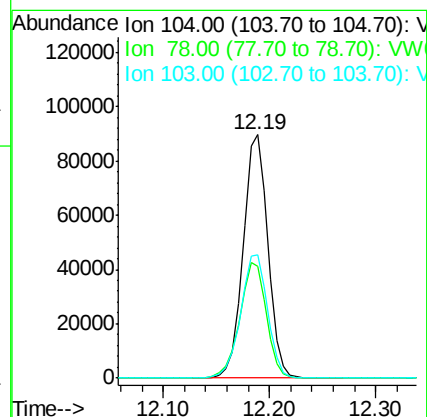
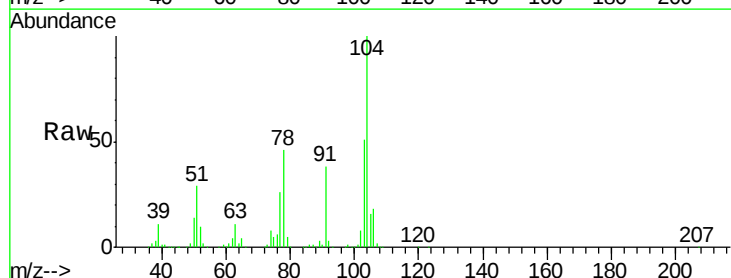
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

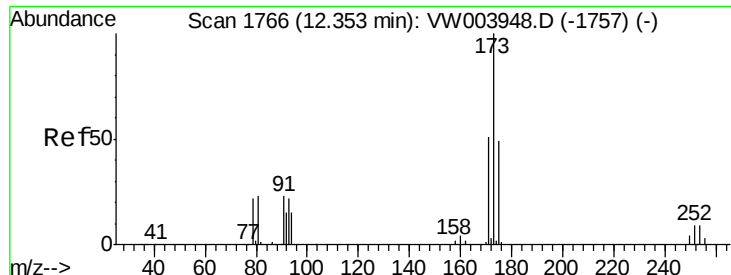
Tot Ion:106 Resp: 84819
Ion Ratio Lower Upper
106 100
91 221.4 107.5 322.6



#70
Styrene
Concen: 20.992 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion:104 Resp: 146237
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 55.4 44.6 67.0





#71

Bromoform

Concen: 20.190 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

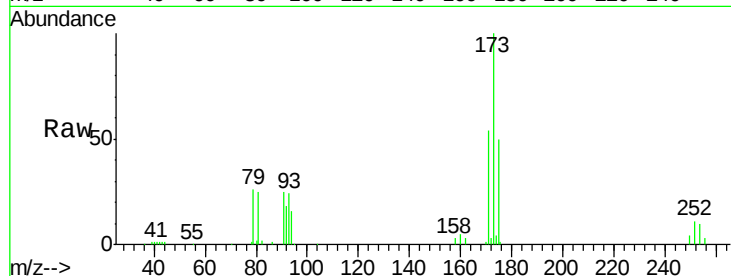
Tot Ion:173 Resp: 26528

Ion Ratio Lower Upper

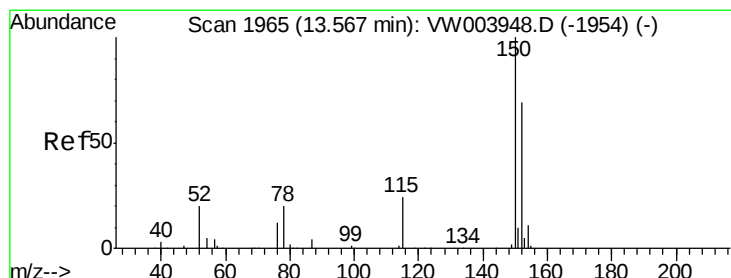
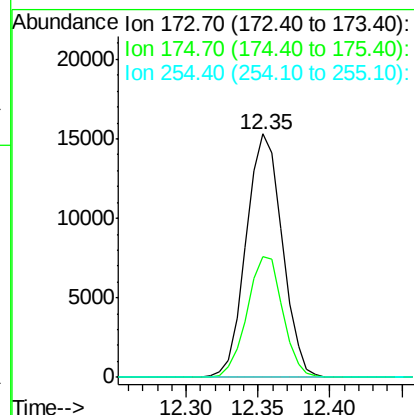
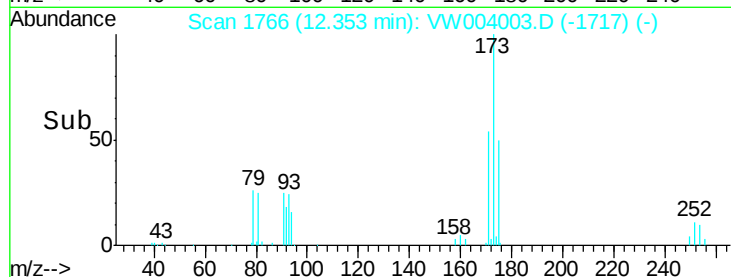
173 100

175 48.9 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

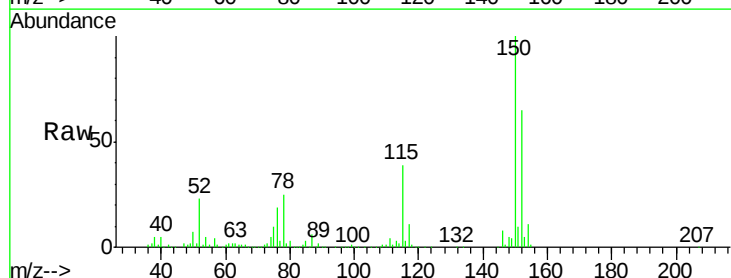
Tgt Ion:152 Resp: 166895

Ion Ratio Lower Upper

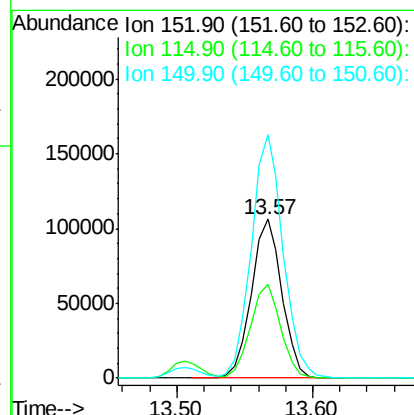
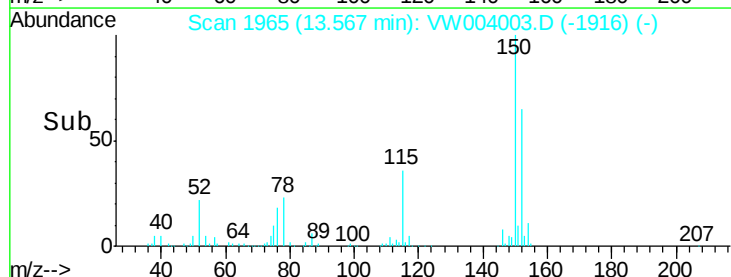
152 100

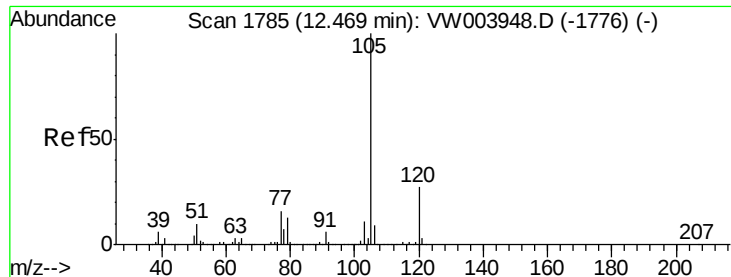
115 58.8 29.2 87.6

150 160.1 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.648 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

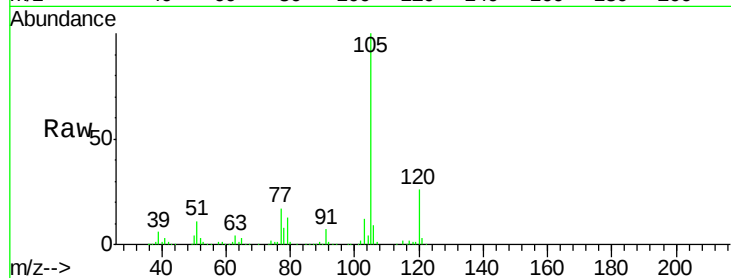
VW0717SBS02

Tot Ion:105 Resp: 231708

Ion Ratio Lower Upper

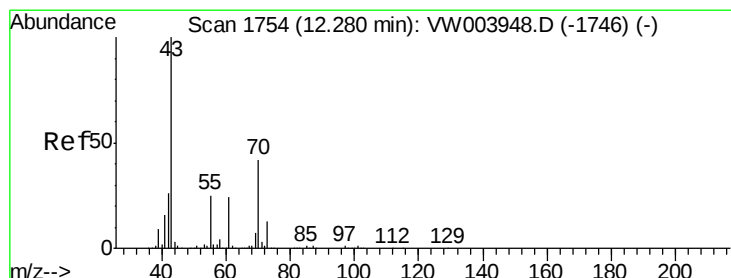
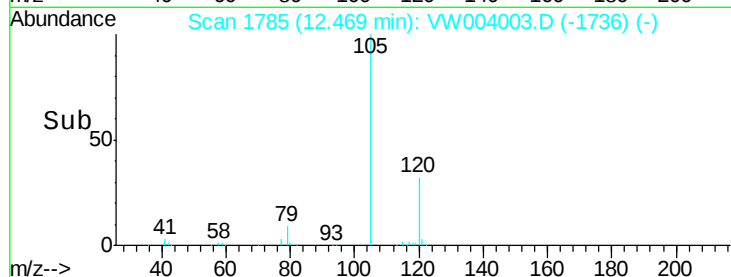
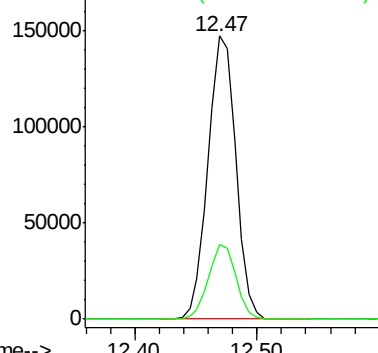
105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.790 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Tgt Ion: 43 Resp: 60811

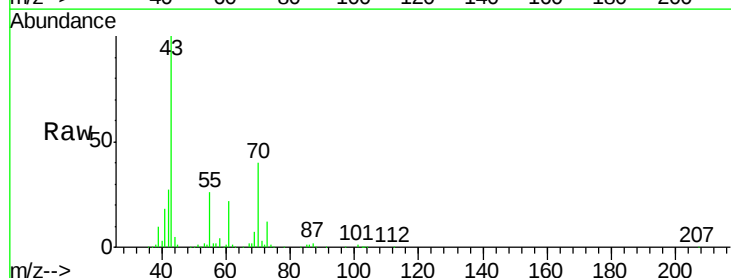
Ion Ratio Lower Upper

43 100

70 39.3 31.6 47.4

55 26.8 20.0 30.0

61 22.9 18.5 27.7

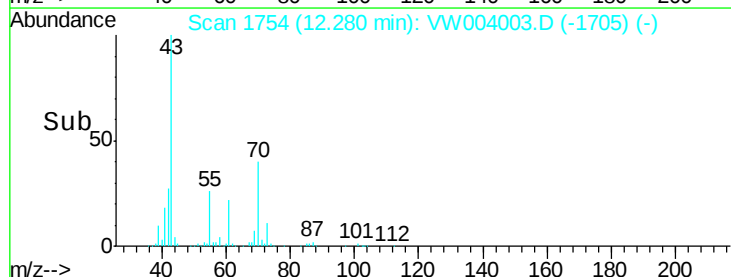
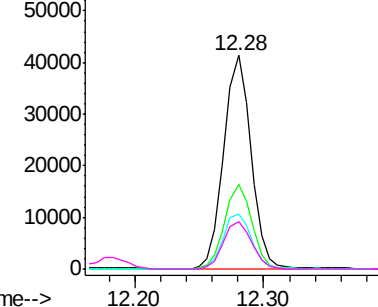


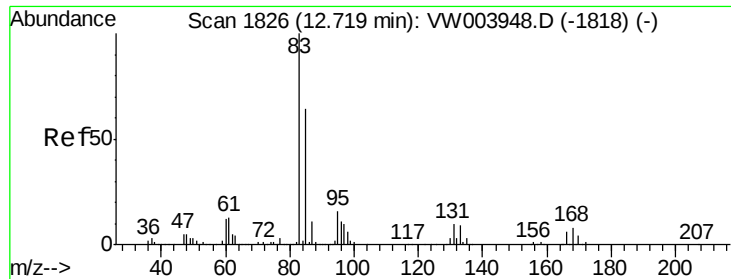
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

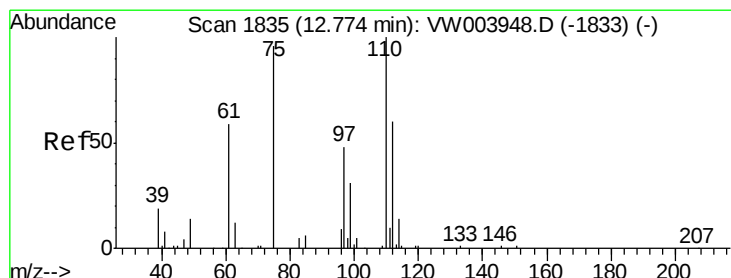
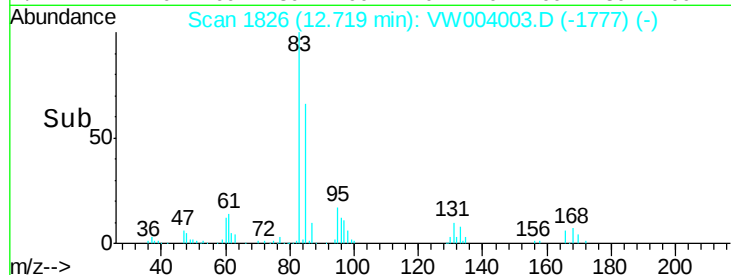
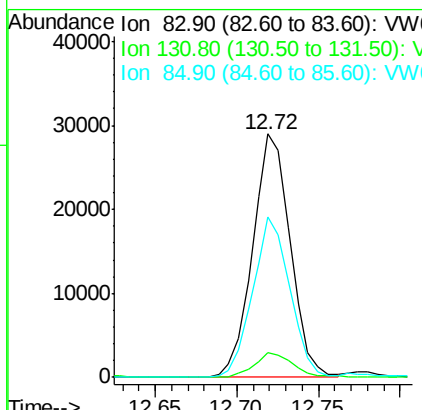
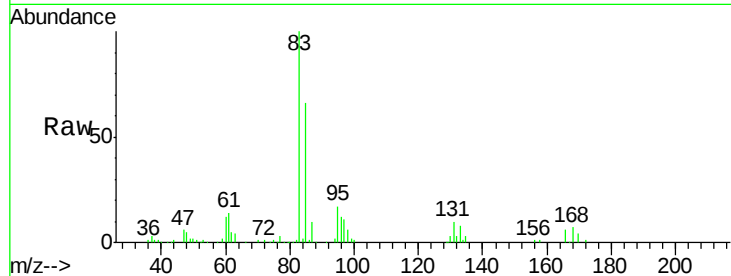




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.407 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

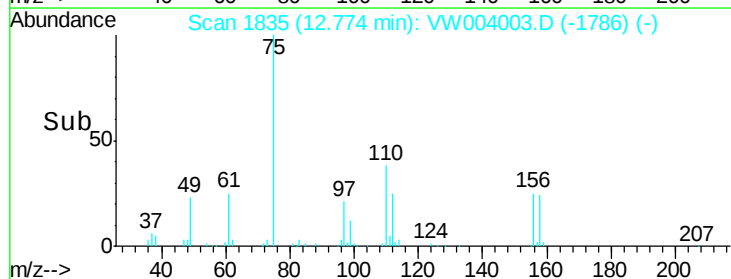
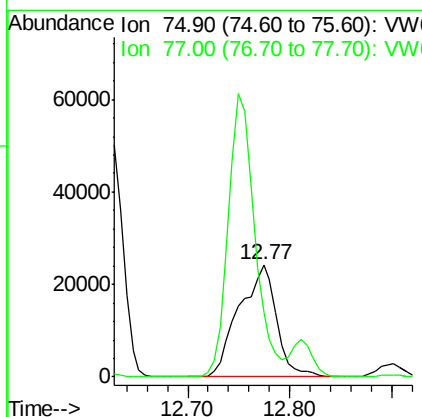
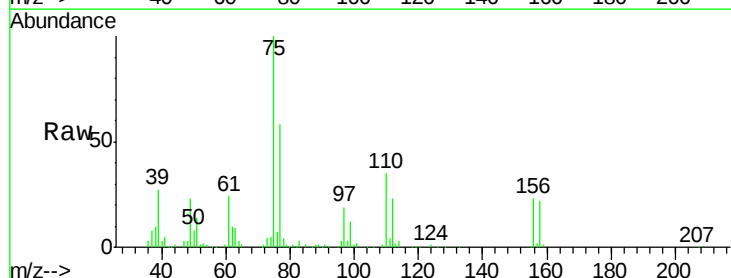
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

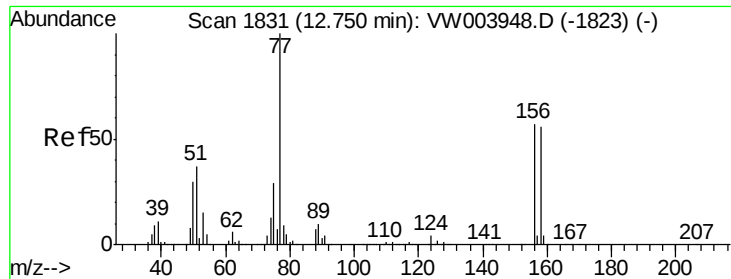
Tot Ion	83	Resp	46543
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	65.3	32.2	96.6



#76
 1,2,3-Trichloropropane
 Concen: 37.349 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion	75	Resp	61883
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0

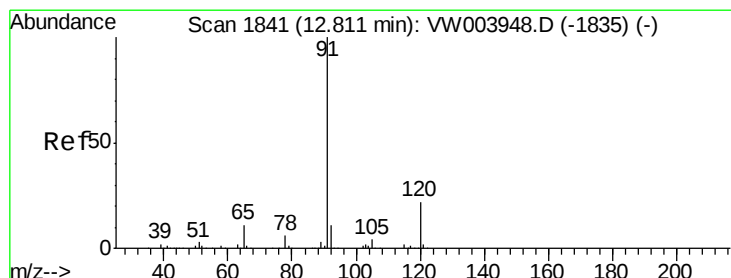
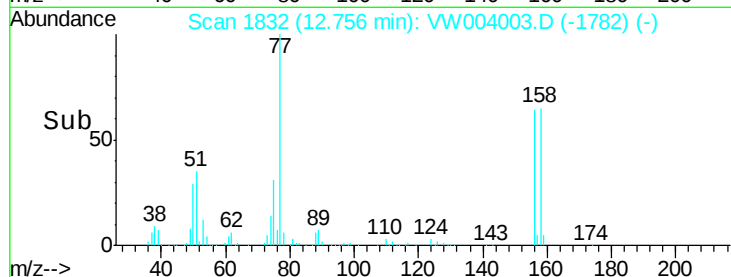
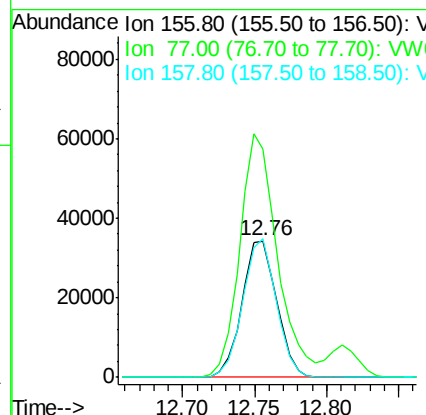
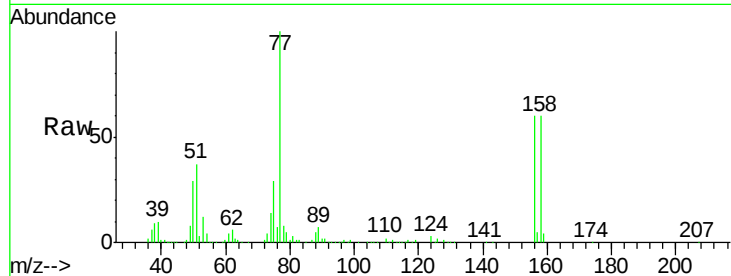




#77
Bromobenzene
Concen: 20.345 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

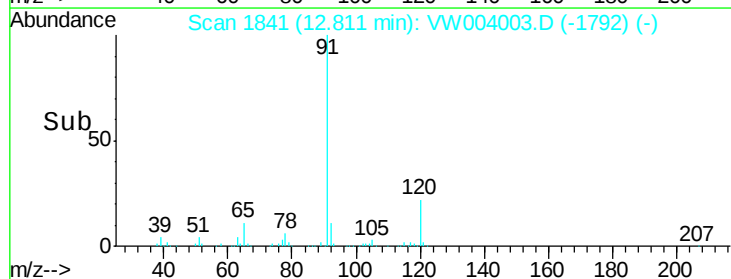
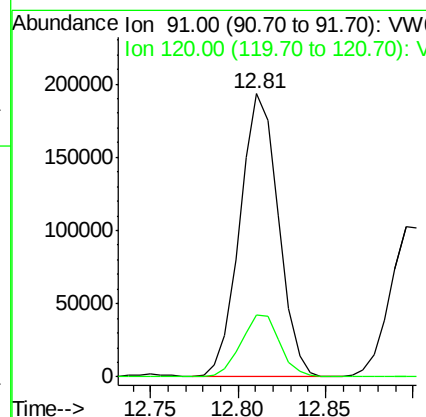
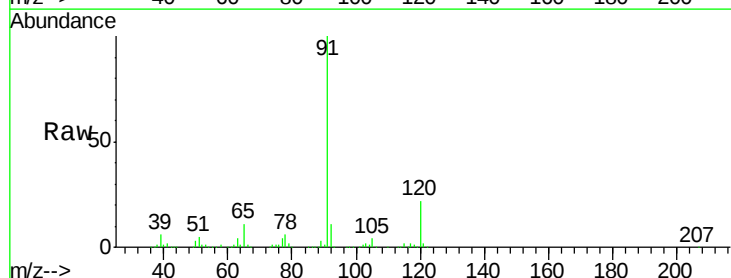
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

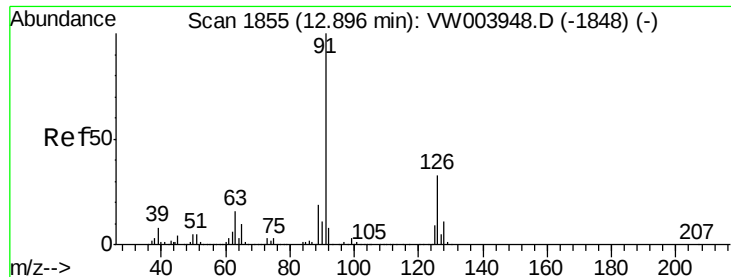
Tot Ion:156 Resp: 57412
Ion Ratio Lower Upper
156 100
77 193.0 96.2 288.6
158 97.8 48.5 145.5



#78
n-propylbenzene
Concen: 20.417 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion: 91 Resp: 295396
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.6





#79

2-Chlorotoluene

Concen: 20.833 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

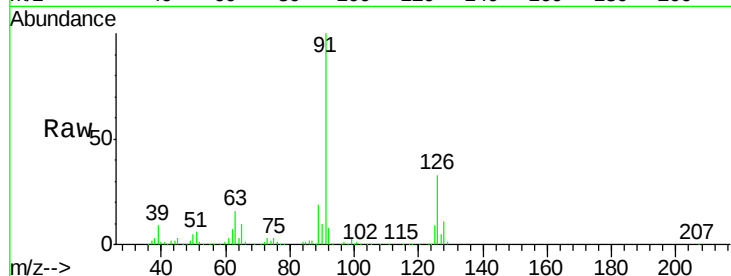
VW0717SBS02

Tot Ion: 91 Resp: 169996

Ion Ratio Lower Upper

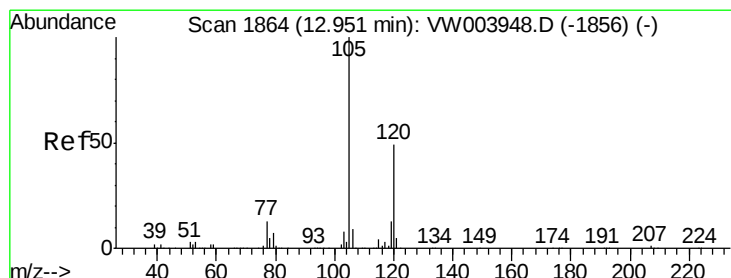
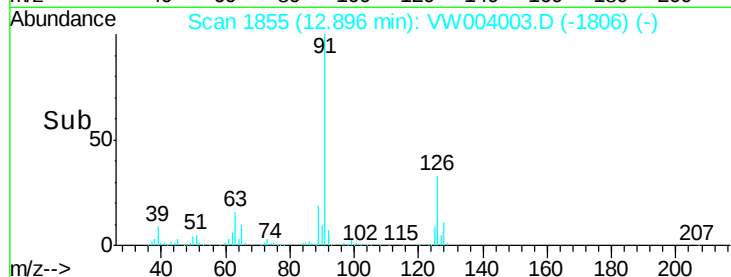
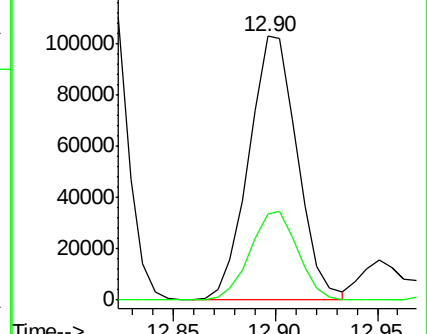
91 100

126 33.1 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: 20.617 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004003.D

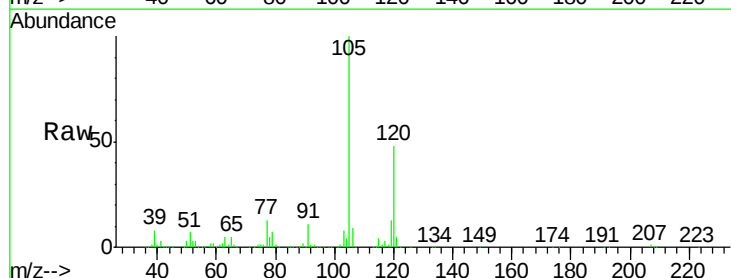
Acq: 18 Jul 2018 01:17

Tgt Ion:105 Resp: 204611

Ion Ratio Lower Upper

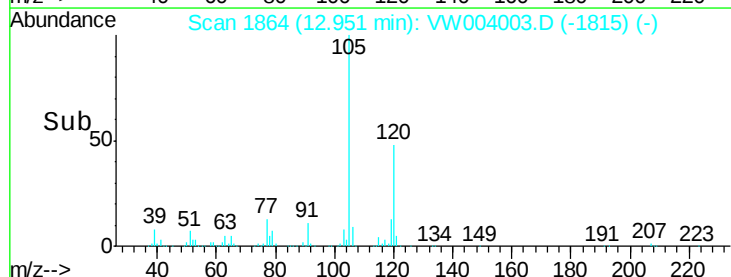
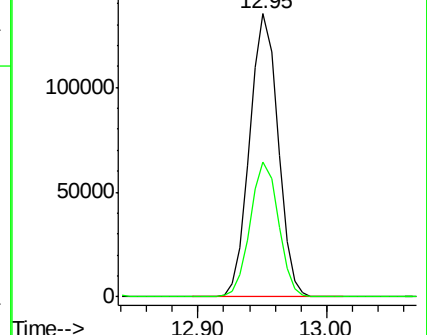
105 100

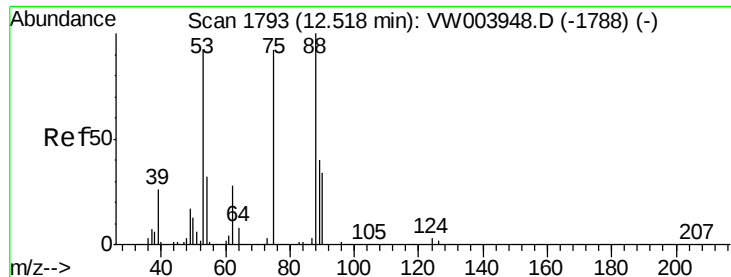
120 47.9 24.4 73.2



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: 17.698 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

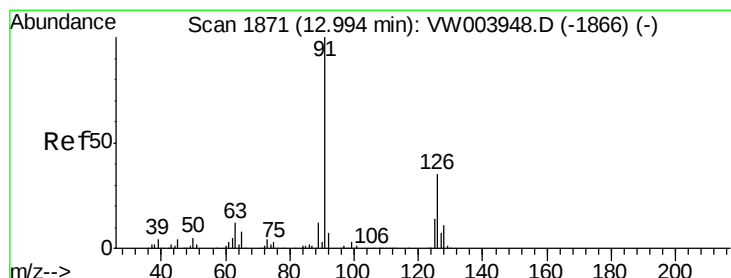
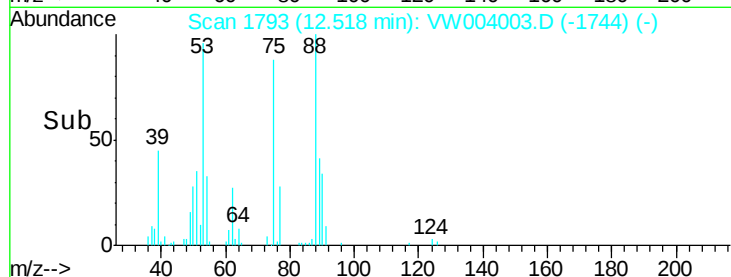
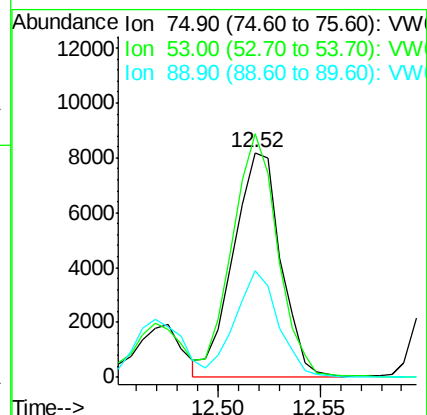
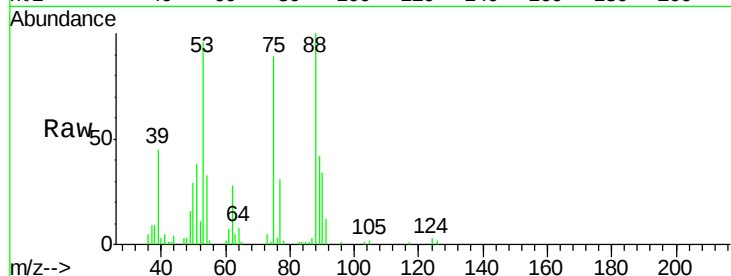
Tot Ion: 75 Resp: 13257

Ion Ratio Lower Upper

75 100

53 104.7 77.6 116.4

89 43.4 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.460 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004003.D

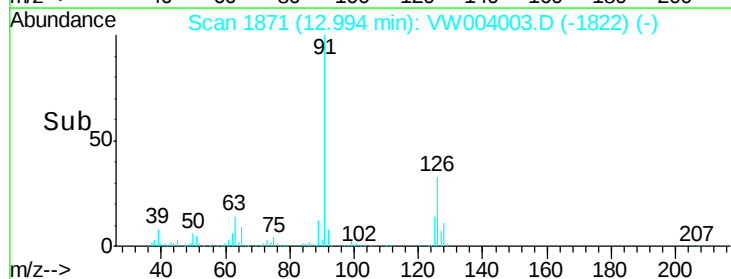
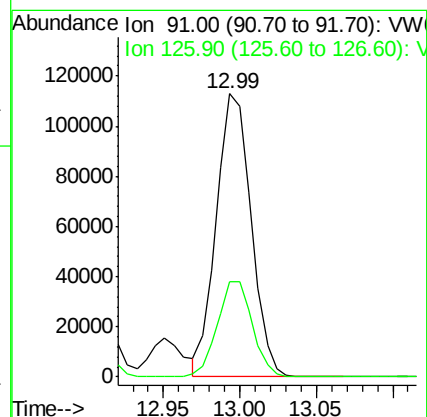
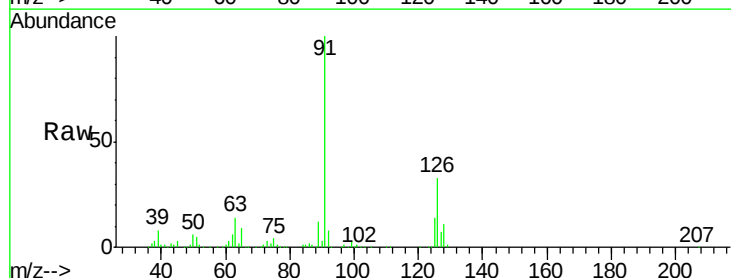
Acq: 18 Jul 2018 01:17

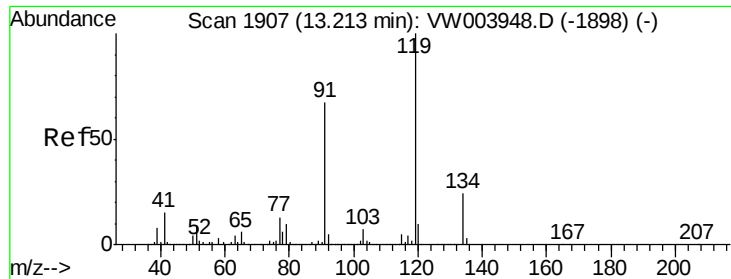
Tgt Ion: 91 Resp: 179168

Ion Ratio Lower Upper

91 100

126 33.9 16.7 50.0

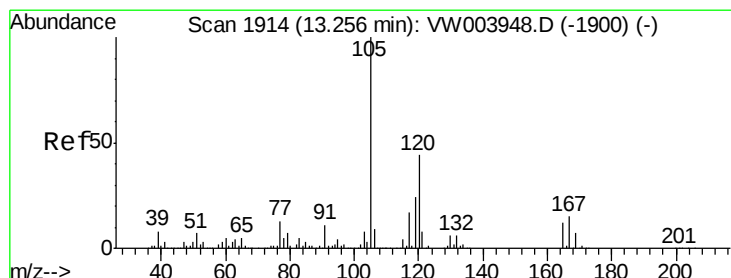
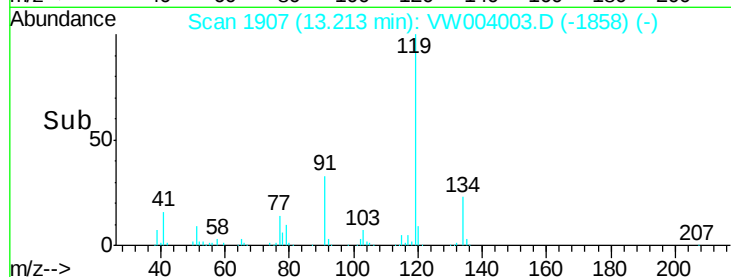
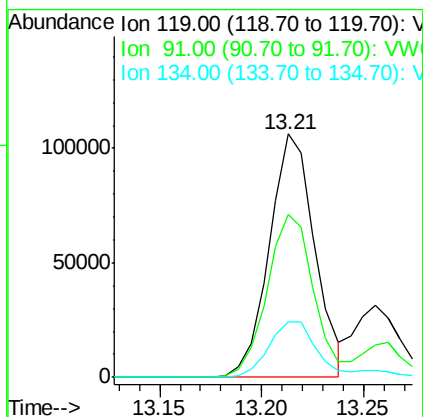
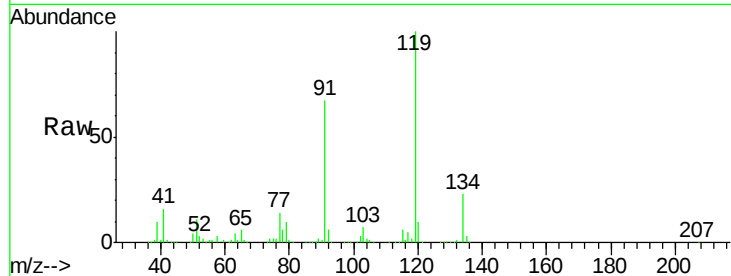




#83
tert-Butylbenzene
Concen: 19.766 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

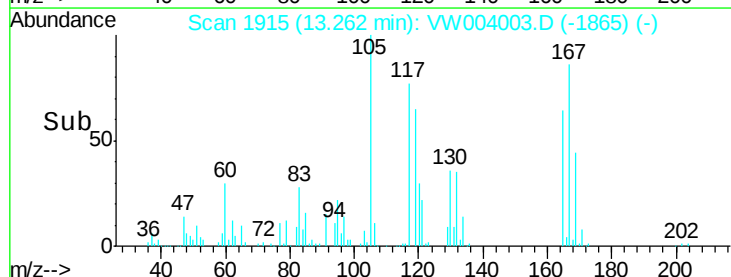
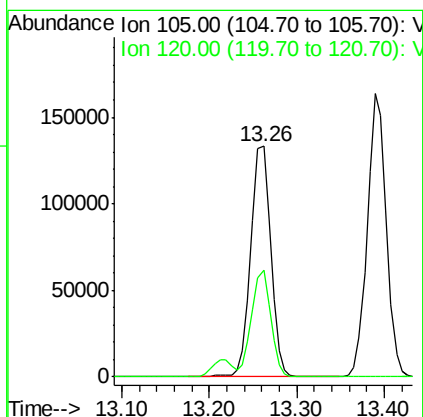
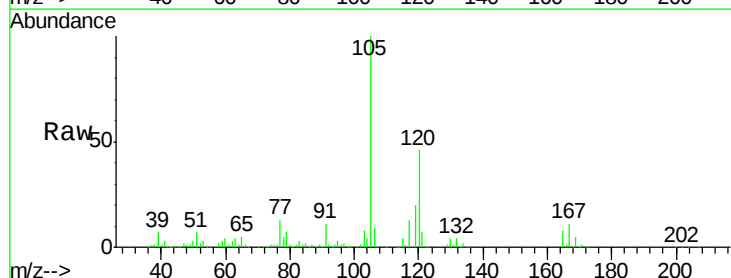
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

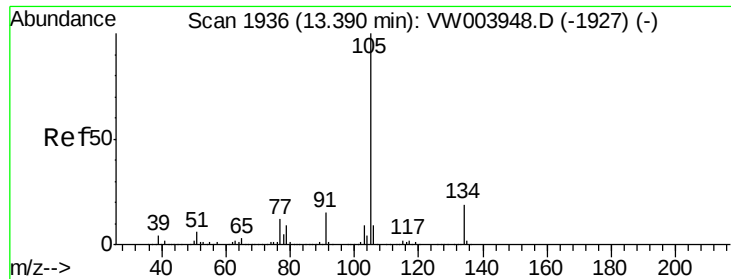
Tot Ion:119 Resp: 164692
Ion Ratio Lower Upper
119 100
91 69.6 33.2 99.6
134 26.3 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.781 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW004003.D
Acq: 18 Jul 2018 01:17

Tgt Ion:105 Resp: 212190
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1

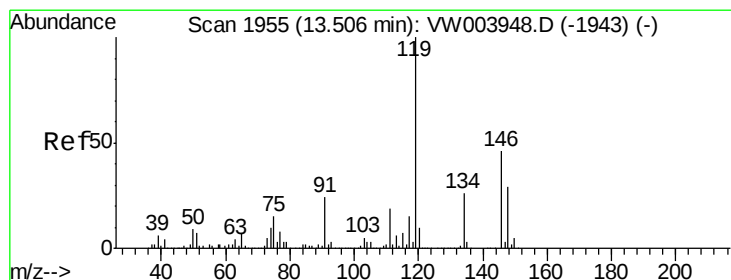
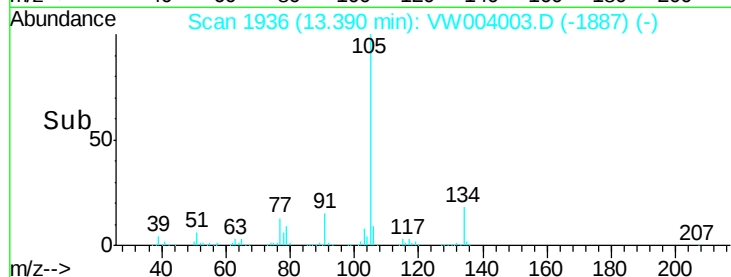
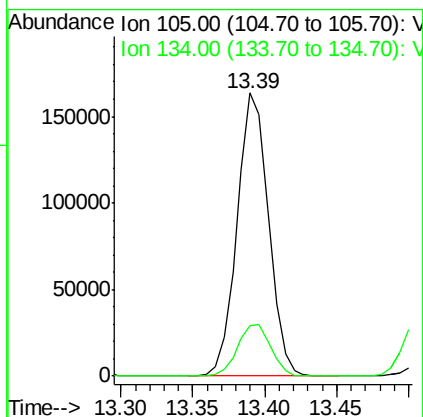
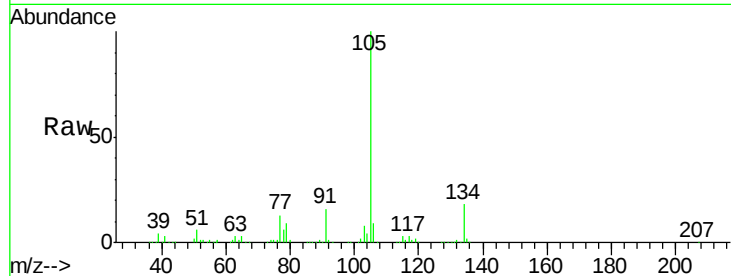




#85
 sec-Butylbenzene
 Concen: 20.035 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

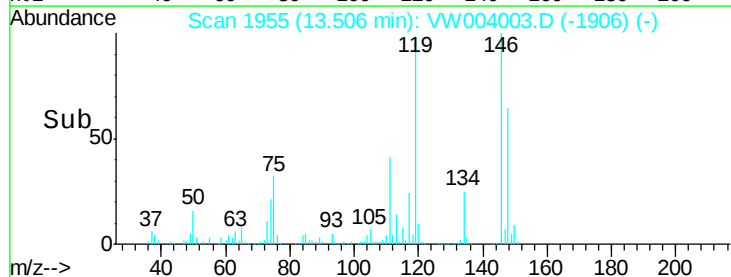
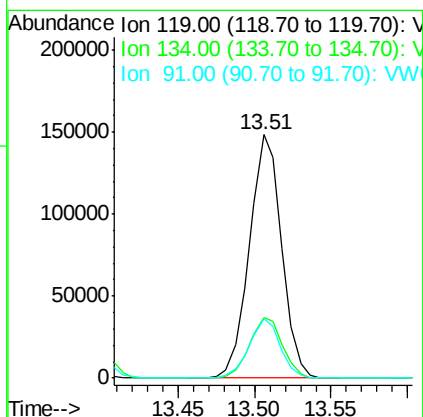
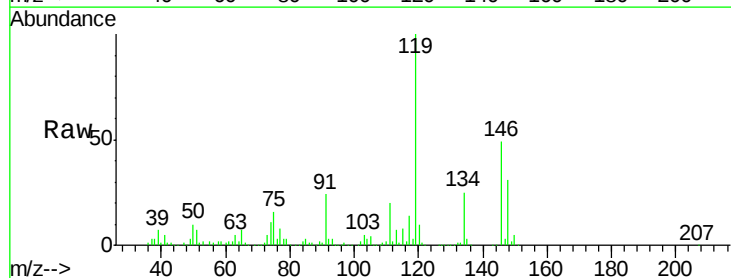
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

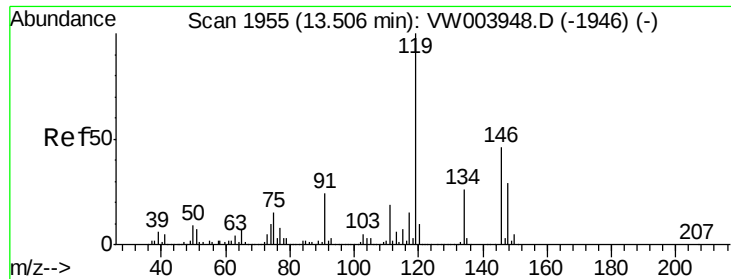
Tot Ion:105 Resp: 247689
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.977 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion:119 Resp: 216631
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 23.6 11.8 35.3

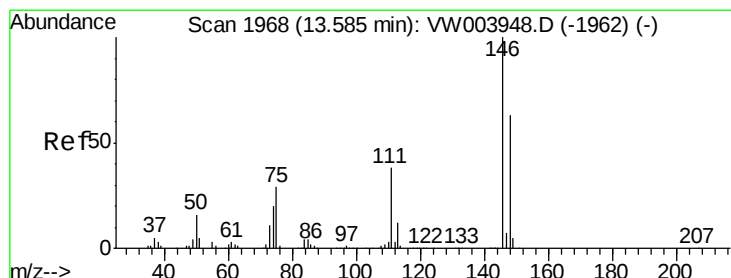
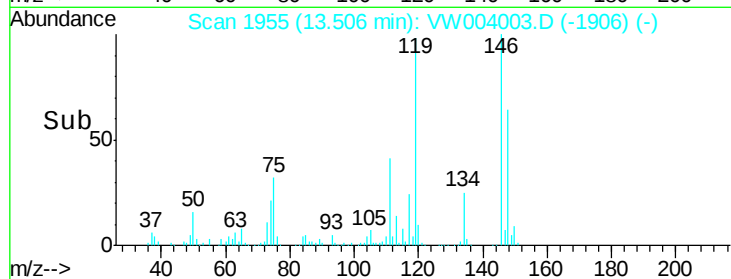
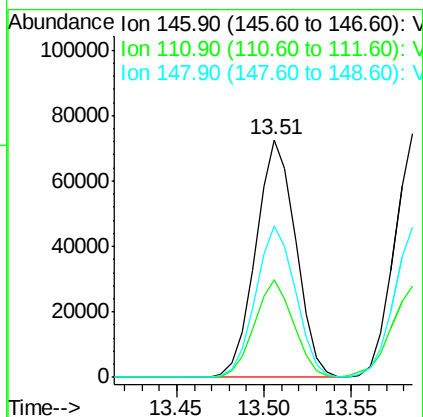
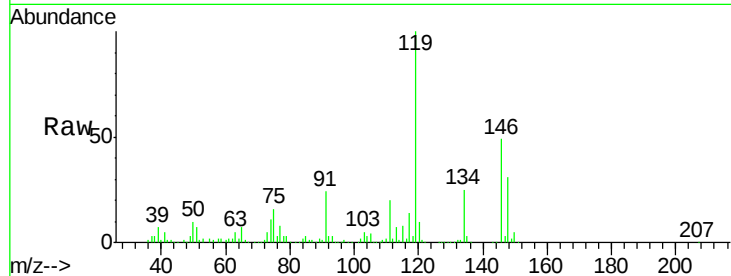




#87
 1,3-Dichlorobenzene
 Concen: 20.454 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

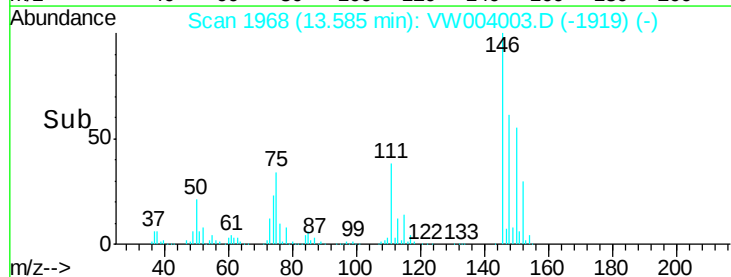
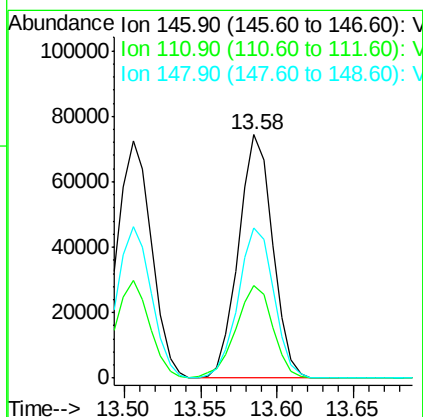
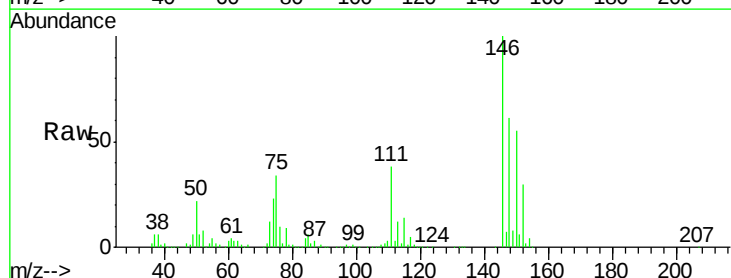
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

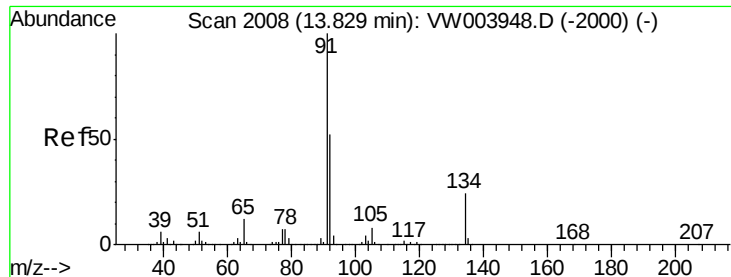
Tot Ion:146 Resp: 115284
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 63.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.470 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion:146 Resp: 115705
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.6 58.7
 148 64.1 32.3 96.8





#89

n-Butylbenzene

Concen: 19.215 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

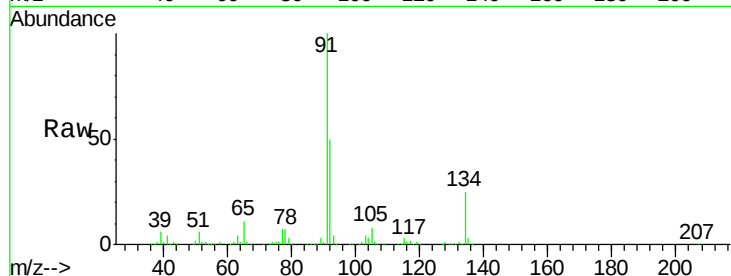
Tot Ion: 91 Resp: 204841

Ion Ratio Lower Upper

91 100

92 51.0 26.1 78.3

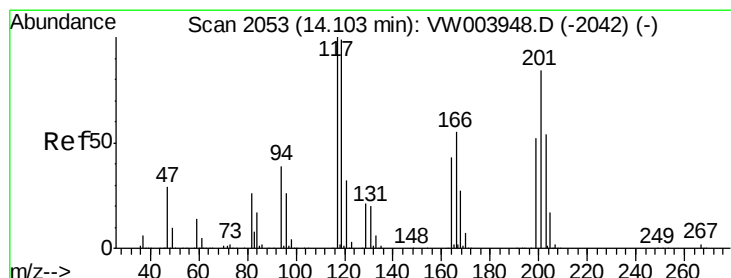
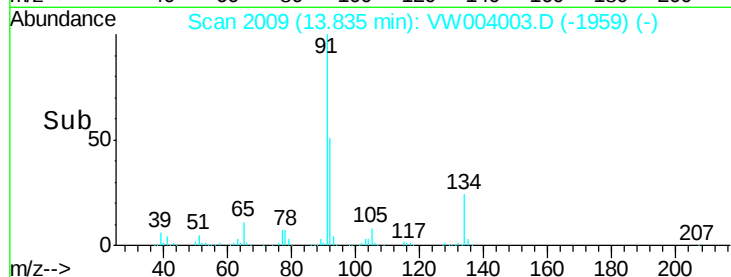
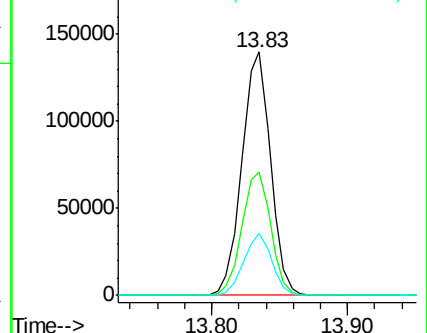
134 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.246 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004003.D

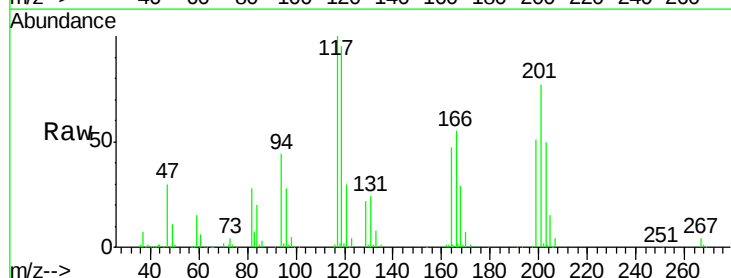
Acq: 18 Jul 2018 01:17

Tgt Ion: 117 Resp: 40471

Ion Ratio Lower Upper

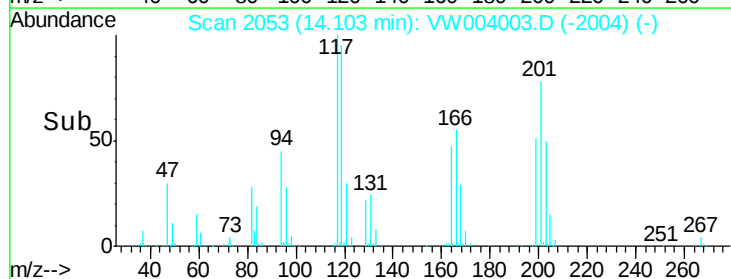
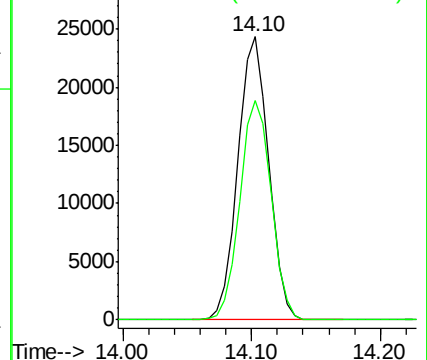
117 100

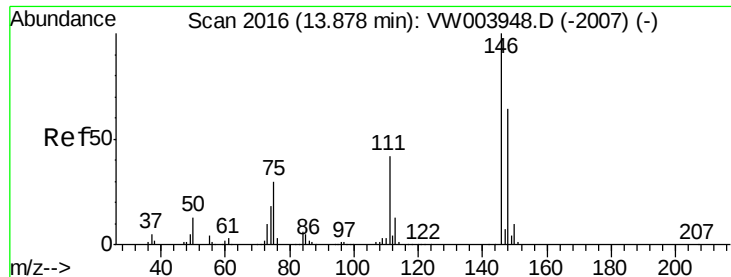
201 78.1 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

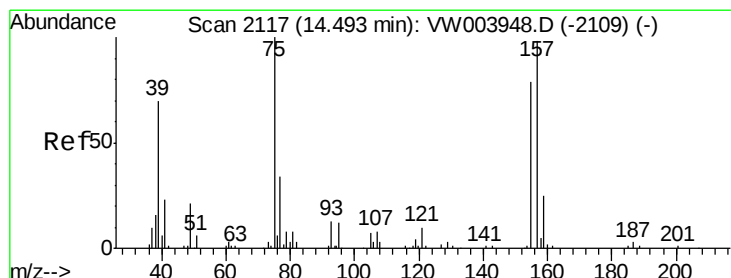
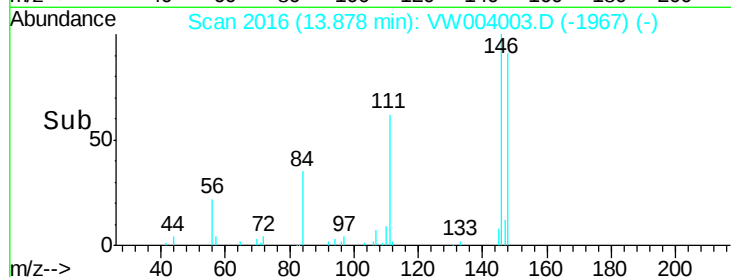
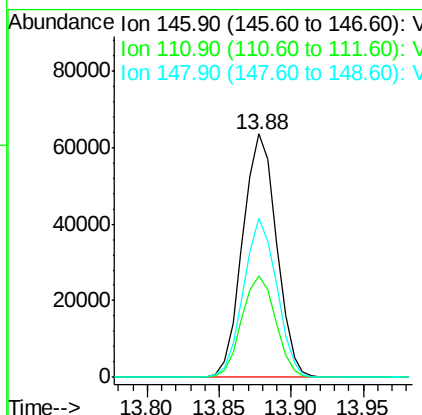
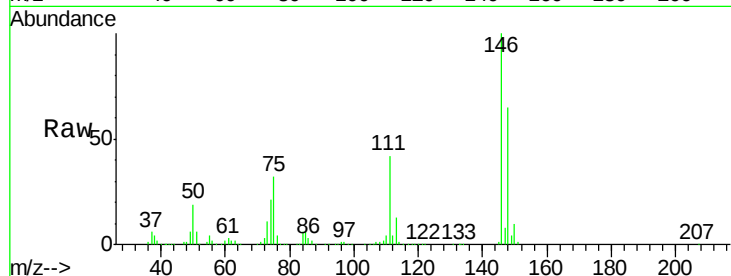




#91
 1,2-Dichlorobenzene
 Concen: 20.638 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

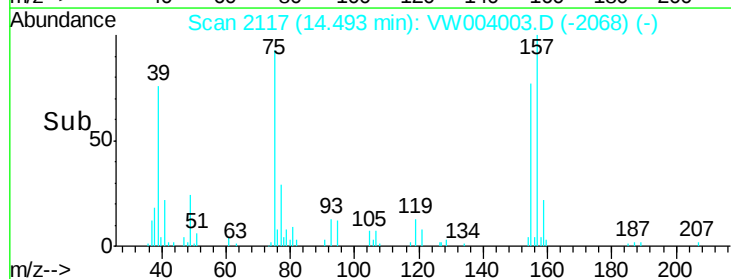
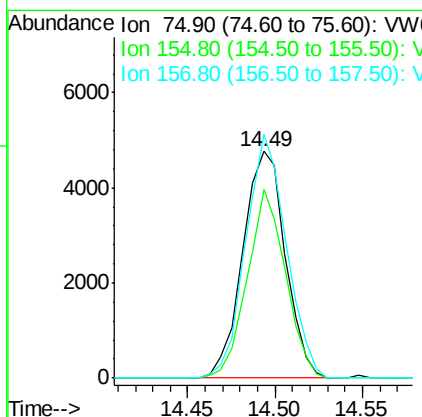
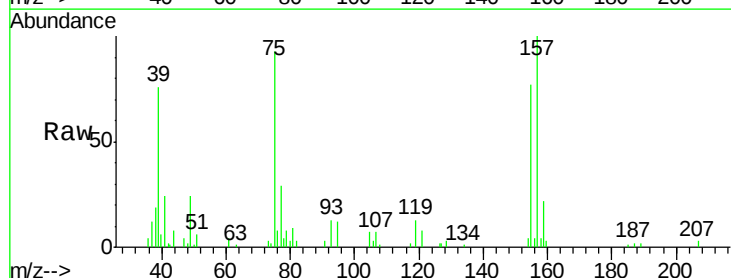
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

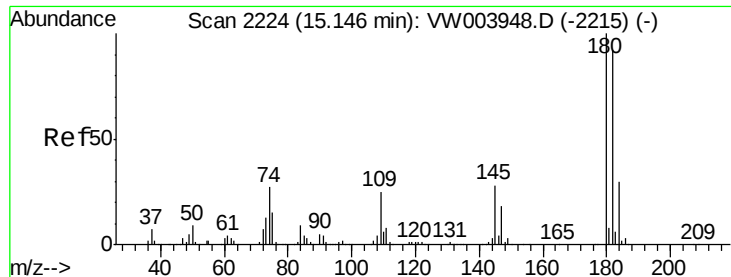
Tot Ion:146 Resp: 103636
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.7 62.1
 148 63.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.876 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion: 75 Resp: 8061
 Ion Ratio Lower Upper
 75 100
 155 74.6 39.4 118.1
 157 102.7 51.8 155.4

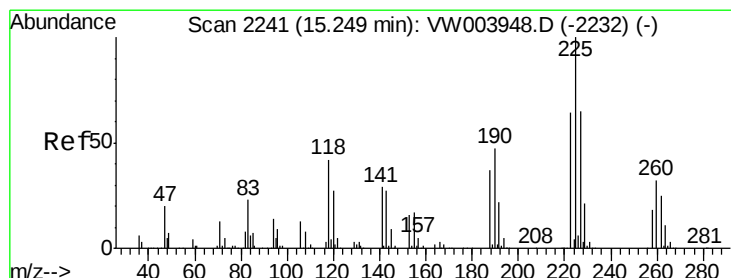
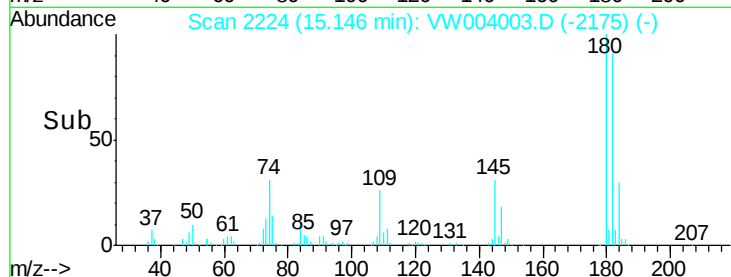
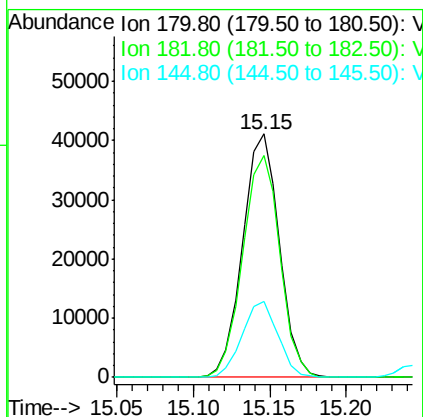
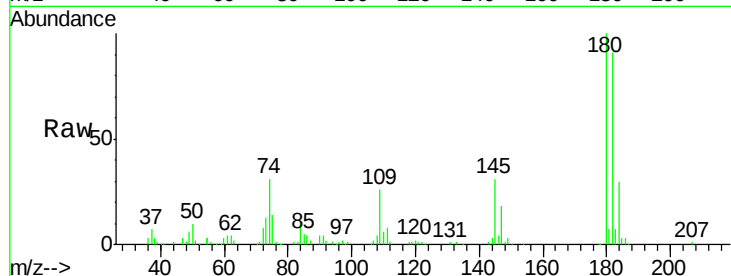




#93
 1,2,4-Trichlorobenzene
 Concen: 19.405 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

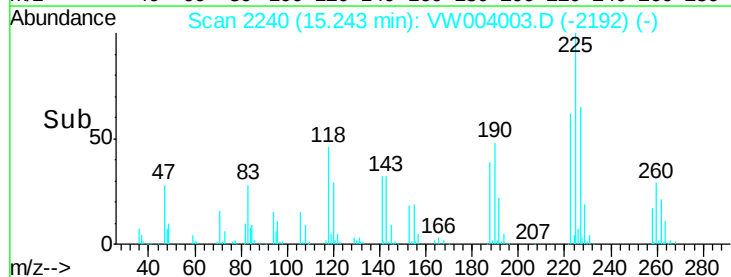
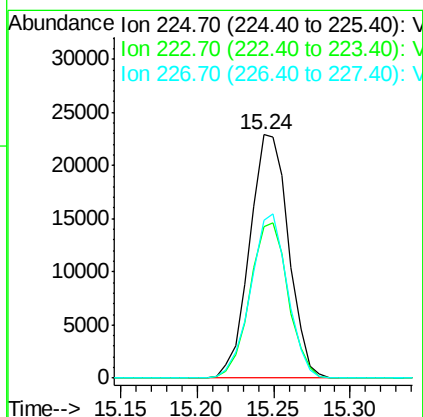
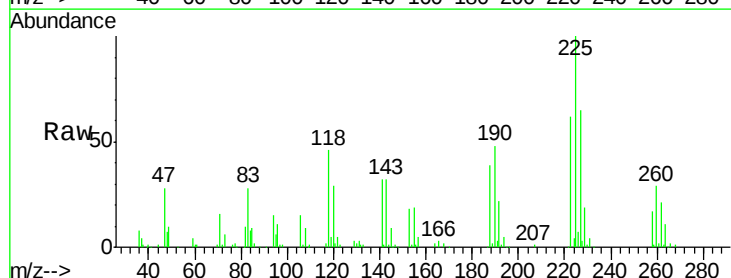
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

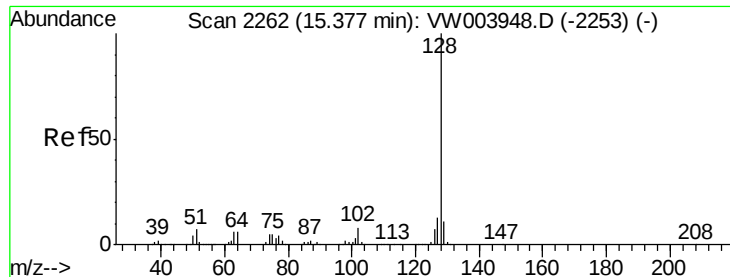
Tot Ion:180 Resp: 68437
 Ion Ratio Lower Upper
 180 100
 182 92.6 46.9 140.8
 145 30.7 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 20.032 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004003.D
 Acq: 18 Jul 2018 01:17

Tgt Ion:225 Resp: 40568
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.0 96.2
 227 63.8 32.3 96.9





#95

Naphthalene

Concen: 18.899 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

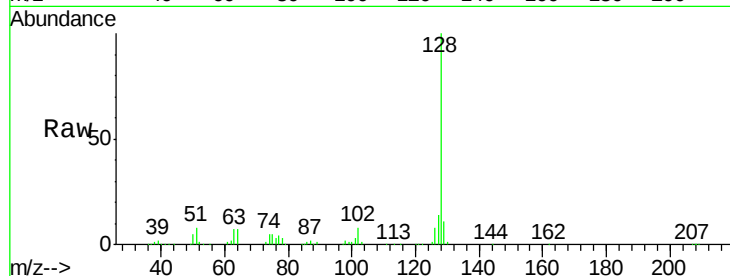
Tot Ion:128 Resp: 123020

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

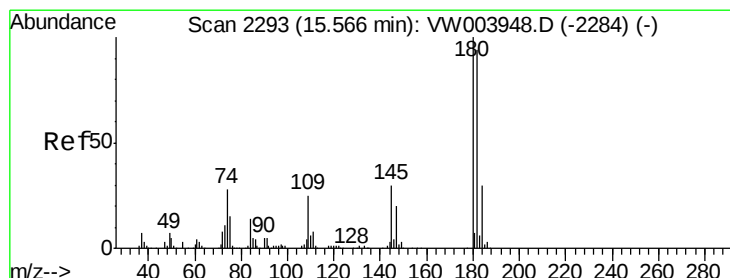
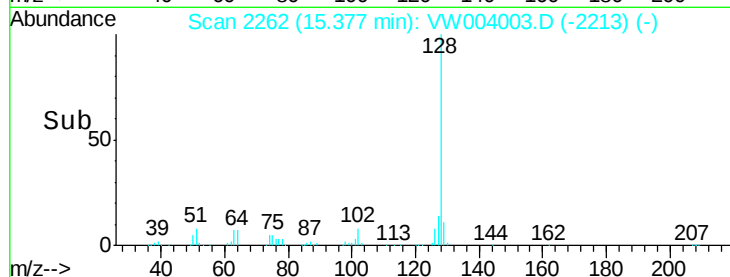
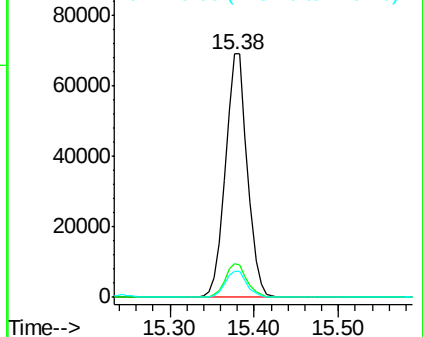
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.685 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004003.D

Acq: 18 Jul 2018 01:17

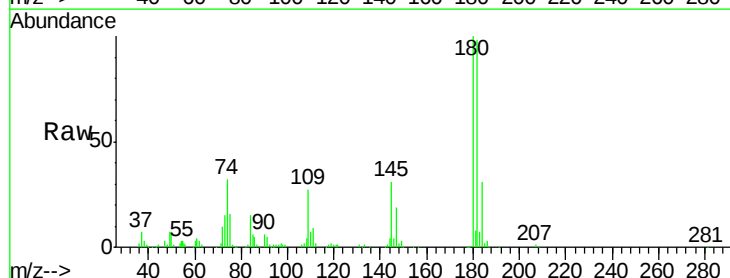
Tgt Ion:180 Resp: 61465

Ion Ratio Lower Upper

180 100

182 97.2 47.5 142.6

145 32.1 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

