

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004004.D
 Acq On : 18 Jul 2018 01:43
 Operator : VA/AP
 Sample : VW0717SBSD02
 Misc : 6.86G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

Quant Time: Jul 18 04:53:13 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	220916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	358349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135133	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.88	113	116897	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.33	98	465202	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	163053	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18274	14.730	ug/l	95
3) Chloromethane	2.21	50	37920	23.222	ug/l	98
4) Vinyl Chloride	2.36	62	50814	22.624	ug/l	98
5) Bromomethane	2.76	94	31292	22.290	ug/l	100
6) Chloroethane	2.92	64	27965	21.914	ug/l	99
7) Trichlorofluoromethane	3.24	101	21382	22.676	ug/l	97
8) Diethyl Ether	3.68	74	24132	22.048	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44752	20.567	ug/l	99
10) Methyl Iodide	4.26	142	68602	21.952	ug/l	100
11) Tert butyl alcohol	5.19	59	17681	103.720	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	46081	21.463	ug/l	99
13) Acrolein	3.89	56	15929	90.942	ug/l	100
14) Allyl chloride	4.66	41	76082	21.469	ug/l	98
15) Acrylonitrile	5.37	53	58360	104.054	ug/l	99
16) Acetone	4.12	43	50196	84.591	ug/l	97
17) Carbon Disulfide	4.37	76	146282	21.829	ug/l	98
18) Methyl Acetate	4.67	43	30458	21.383	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	84808	20.611	ug/l	100
20) Methylene Chloride	4.91	84	59117	17.448	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	51840	22.028	ug/l	97
22) Diisopropyl ether	6.31	45	162415	22.677	ug/l	98
23) Vinyl Acetate	6.26	43	459794	101.320	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97360	22.279	ug/l	99
25) 2-Butanone	7.18	43	77341	96.853	ug/l	99
26) 2,2-Dichloropropane	7.17	77	48144	19.192	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54128	21.276	ug/l	100
28) Bromochloromethane	7.51	49	41607	23.264	ug/l	96
29) Tetrahydrofuran	7.54	42	50730	101.989	ug/l	98
30) Chloroform	7.68	83	99191	22.819	ug/l	99
31) Cyclohexane	7.96	56	84807	20.702	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	74885	22.061	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76569	20.768	ug/l	99
37) Ethyl Acetate	7.26	43	35441	19.929	ug/l	99
38) Carbon Tetrachloride	8.07	117	70035	20.330	ug/l	96

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Quant Time: Jul 18 04:53:13 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)
39) Methylcyclohexane	9.34	83	82876	19.194	ug/l	95
40) Benzene	8.32	78	222023	21.706	ug/l	100
41) Methacrylonitrile	7.49	41	20281	20.582	ug/l	92
42) 1,2-Dichloroethane	8.40	62	68778	22.040	ug/l	99
43) Isopropyl Acetate	8.43	43	66351	19.949	ug/l	99
44) Trichloroethene	9.09	130	55099	20.781	ug/l	97
45) 1,2-Dichloropropane	9.37	63	56785	21.751	ug/l	98
46) Dibromomethane	9.46	93	29407	21.707	ug/l	97
47) Bromodichloromethane	9.65	83	71901	21.529	ug/l	94
48) Methyl methacrylate	9.44	41	31465	19.561	ug/l	98
49) 1,4-Dioxane	9.46	88	9063	435.221	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	175644	99.121	ug/l	99
52) Toluene	10.39	92	136872	21.639	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	68489	19.611	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	77715	19.453	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40566	21.291	ug/l	97
56) Ethyl methacrylate	10.65	69	46030	18.841	ug/l	94
57) 1,3-Dichloropropane	10.93	76	70319	21.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120404	106.525	ug/l	98
59) 2-Hexanone	10.98	43	117763	94.290	ug/l	96
60) Dibromochloromethane	11.13	129	46246	20.843	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37475	20.671	ug/l	99
64) Tetrachloroethene	10.87	164	53109	23.505	ug/l	97
65) Chlorobenzene	11.66	112	144717	20.667	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	50499	20.753	ug/l	100
67) Ethyl Benzene	11.74	91	251781	20.469	ug/l	98
68) m/p-Xylenes	11.85	106	196524	41.802	ug/l	99
69) o-Xylene	12.17	106	88498	20.293	ug/l	97
70) Styrene	12.19	104	151503	20.799	ug/l	99
71) Bromoform	12.35	173	26940	19.609	ug/l #	98
73) Isopropylbenzene	12.47	105	244986	20.098	ug/l	99
74) N-amyl acetate	12.28	43	60795	19.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47130	19.992	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62888	36.721	ug/l #	100
77) Bromobenzene	12.76	156	60213	20.643	ug/l	98
78) n-propylbenzene	12.81	91	308304	20.616	ug/l	100
79) 2-Chlorotoluene	12.90	91	177545	21.050	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	211468	20.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12736	16.450	ug/l	90
82) 4-Chlorotoluene	12.99	91	188033	20.774	ug/l	100
83) tert-Butylbenzene	13.21	119	170372	19.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	219177	20.767	ug/l	98
85) sec-Butylbenzene	13.39	105	261394	20.455	ug/l	99
86) p-Isopropyltoluene	13.51	119	223451	19.935	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	118572	20.353	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	119777	20.501	ug/l	99
89) n-Butylbenzene	13.83	91	215657	19.572	ug/l	99
90) Hexachloroethane	14.10	117	42159	20.404	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	109027	21.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8104	19.332	ug/l	94

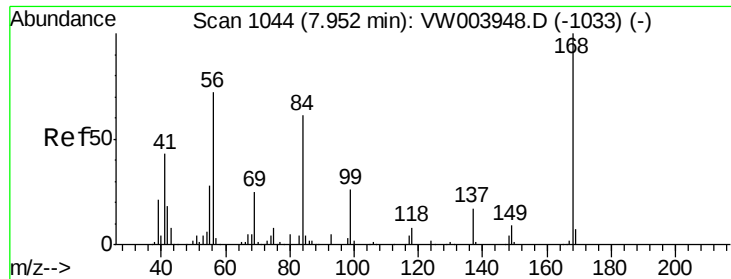
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	71507	19.616	ug/l	99
94) Hexachlorobutadiene	15.25	225	41565	19.856	ug/l	99
95) Naphthalene	15.38	128	126193	18.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	63815	19.772	ug/l	99

(#) = 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: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

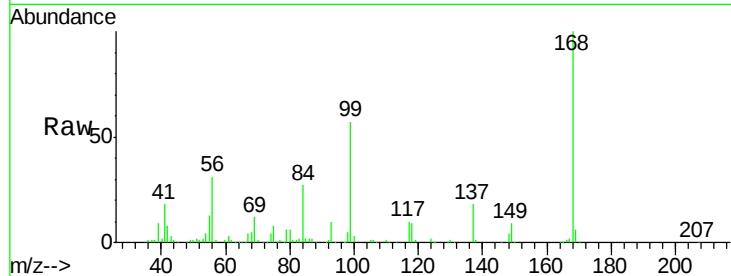
VW0717SBS02

Tot Ion:168 Resp: 220916

Ion Ratio Lower Upper

168 100

99 56.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

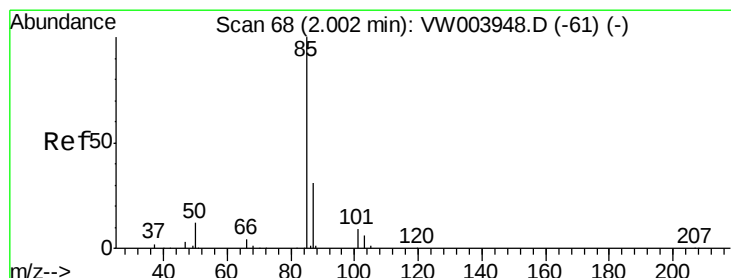
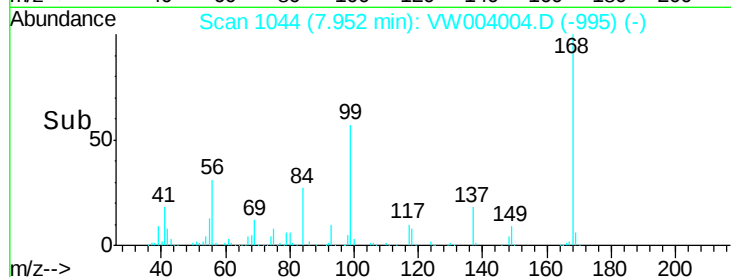
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.730 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004004.D

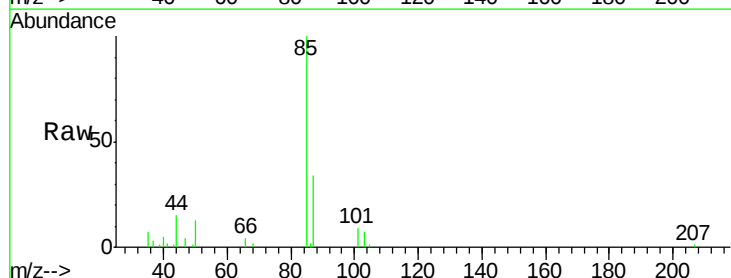
Acq: 18 Jul 2018 01:43

Tgt Ion: 85 Resp: 18274

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

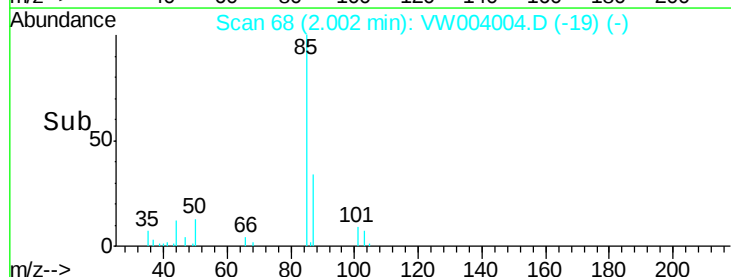
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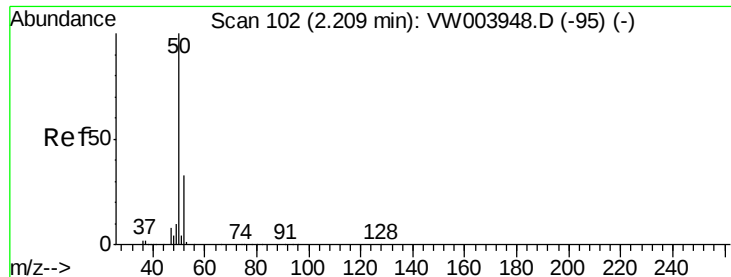
4000

2000

0

Time-->





#3

Chloromethane

Concen: 23.222 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

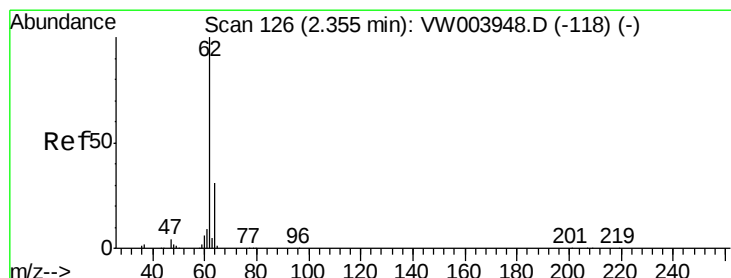
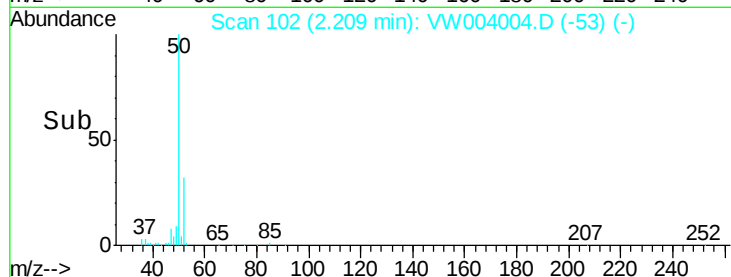
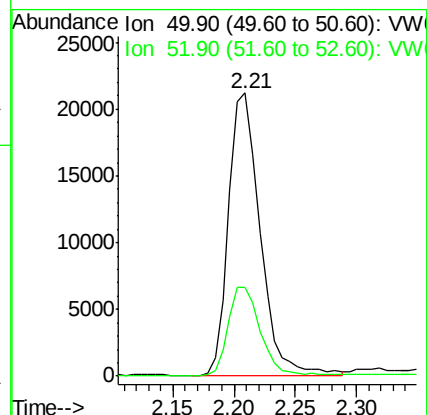
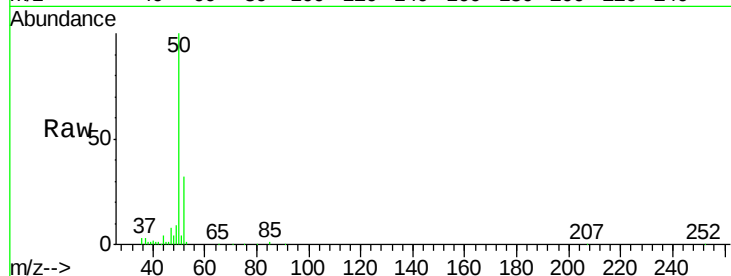
VW0717SBSD02

Tot Ion: 50 Resp: 37920

Ion Ratio Lower Upper

50 100

52 31.6 26.3 39.5



#4

Vinyl Chloride

Concen: 22.624 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004004.D

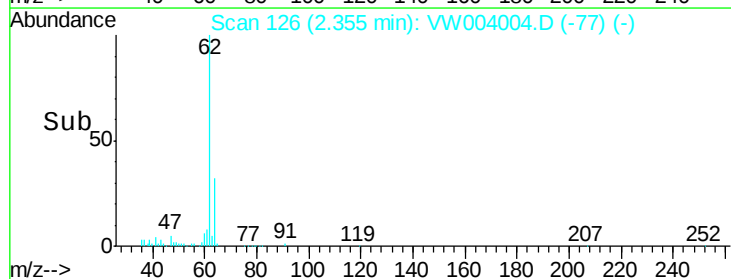
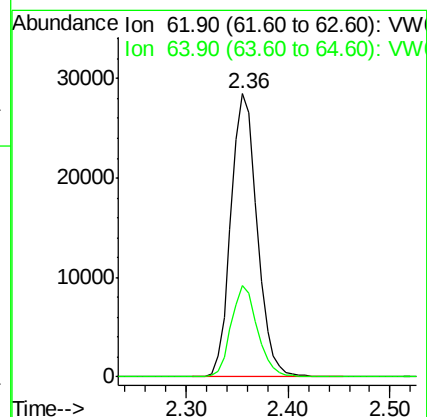
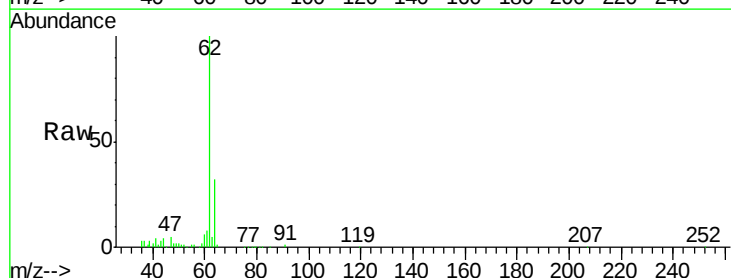
Acq: 18 Jul 2018 01:43

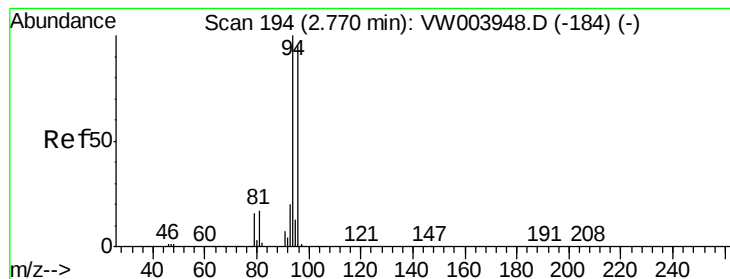
Tgt Ion: 62 Resp: 50814

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6





#5

Bromomethane

Concen: 22.290 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

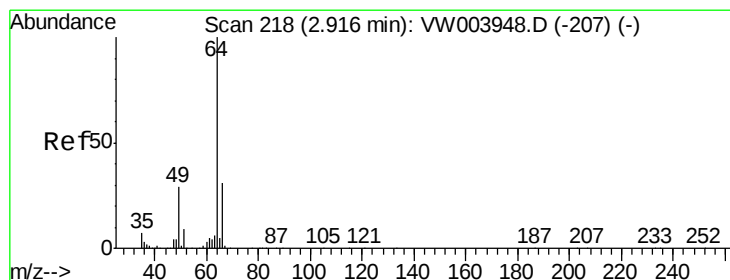
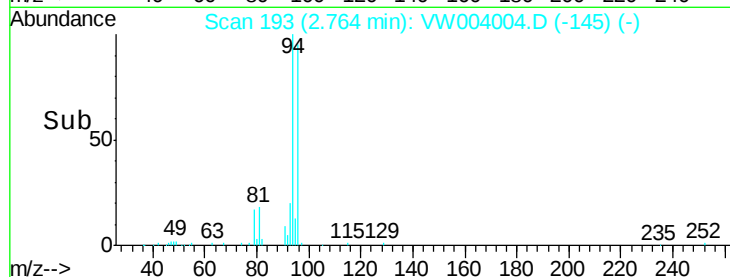
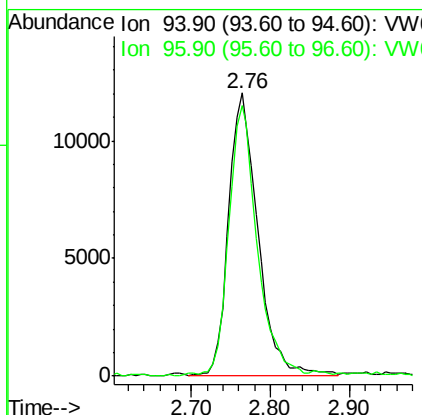
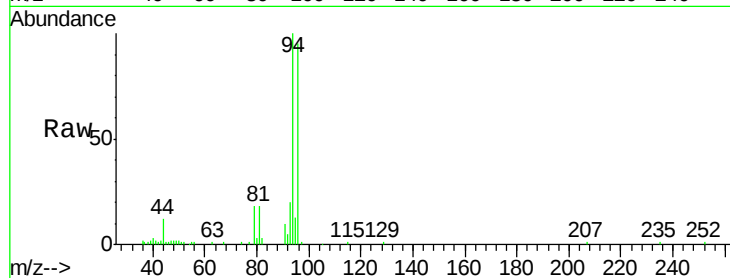
VW0717SBSD02

Tot Ion: 94 Resp: 31292

Ion Ratio Lower Upper

94 100

96 94.3 75.8 113.6



#6

Chloroethane

Concen: 21.914 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW004004.D

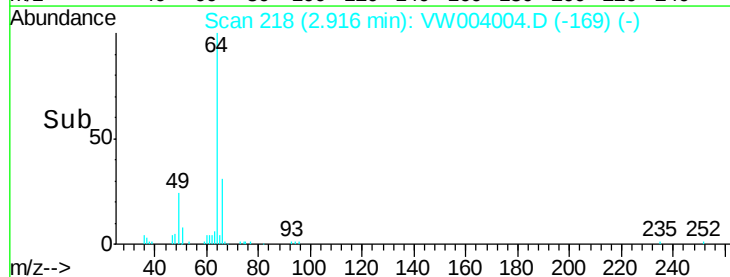
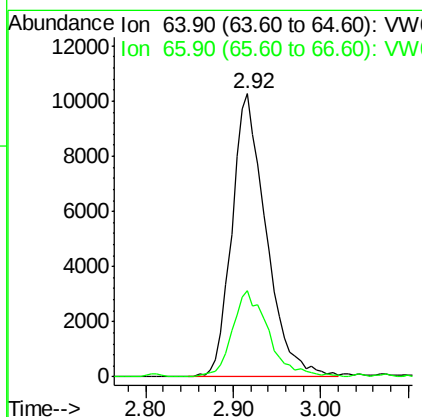
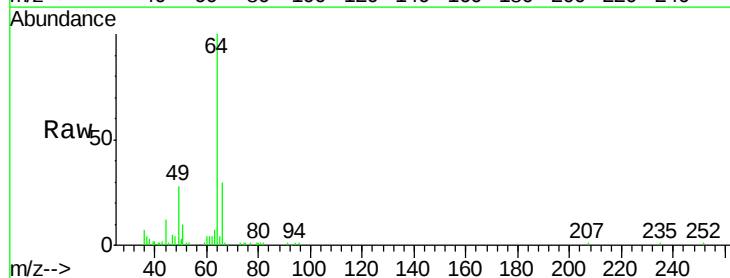
Acq: 18 Jul 2018 01:43

Tgt Ion: 64 Resp: 27965

Ion Ratio Lower Upper

64 100

66 30.3 24.5 36.7



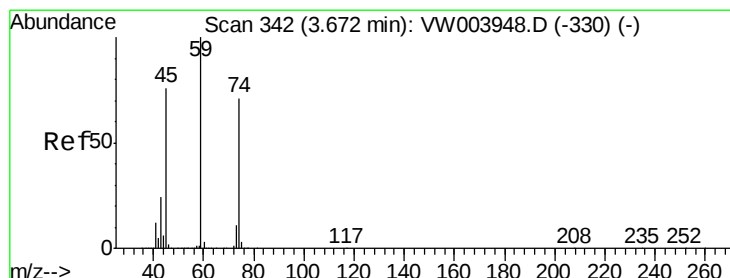
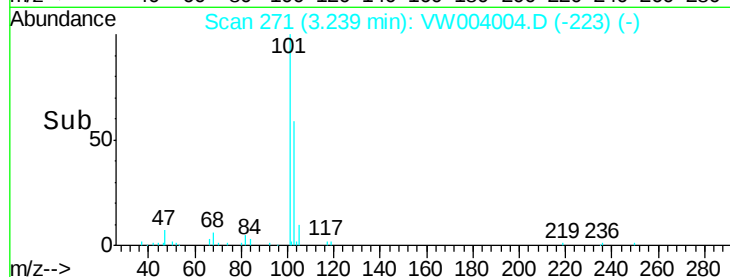
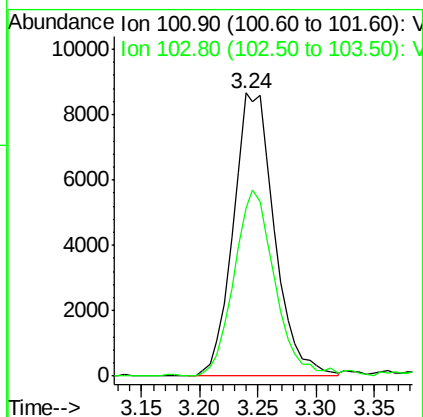
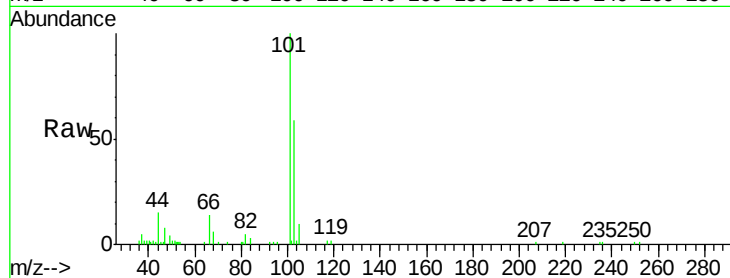


#7

Trichlorofluoromethane
 Concen: 22.676 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
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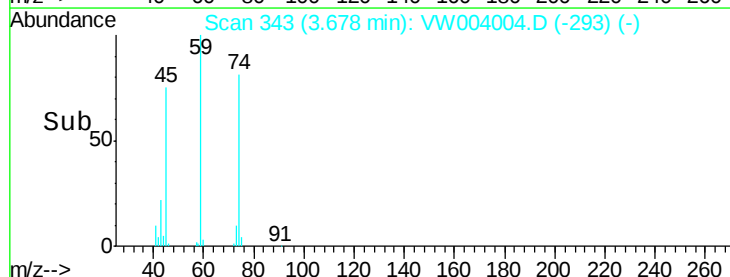
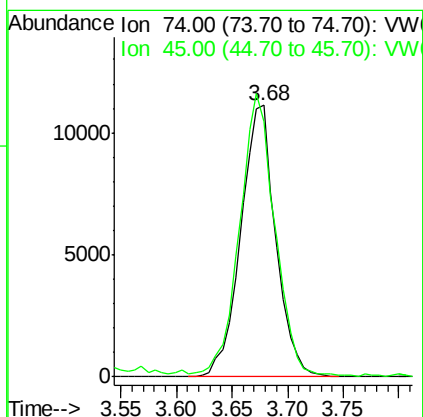
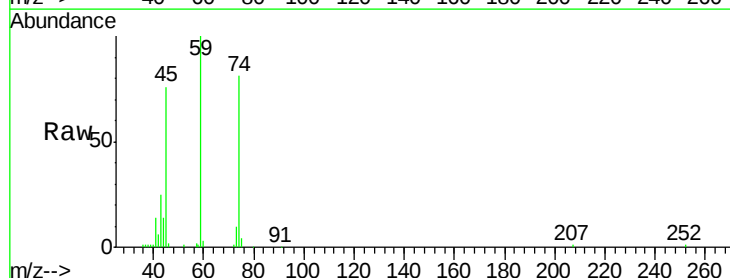
Tot Ion:101 Resp: 21382
 Ion Ratio Lower Upper
 101 100
 103 59.4 49.0 73.6

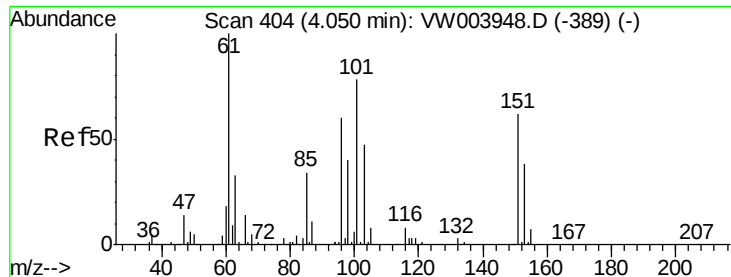


#8

Diethyl Ether
 Concen: 22.048 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 74 Resp: 24132
 Ion Ratio Lower Upper
 74 100
 45 106.9 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.567 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

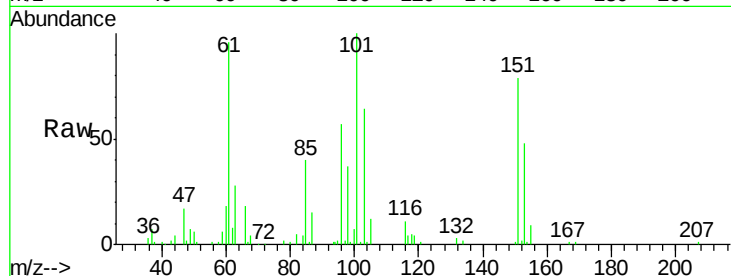
Tot Ion:101 Resp: 44752

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

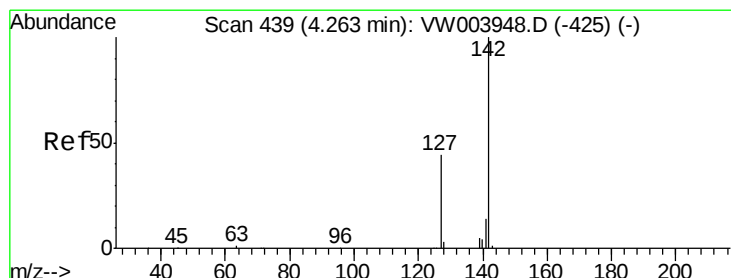
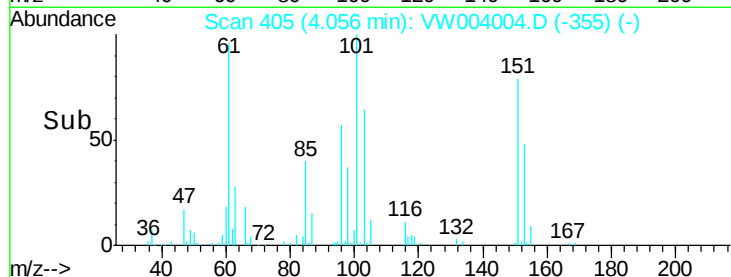
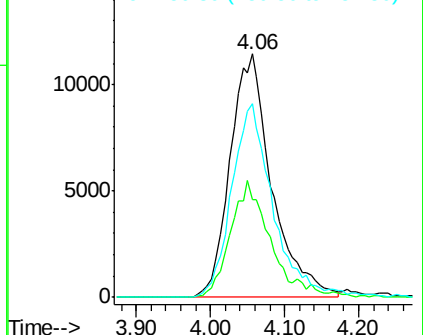
151 79.0 63.6 95.4



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: 21.952 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

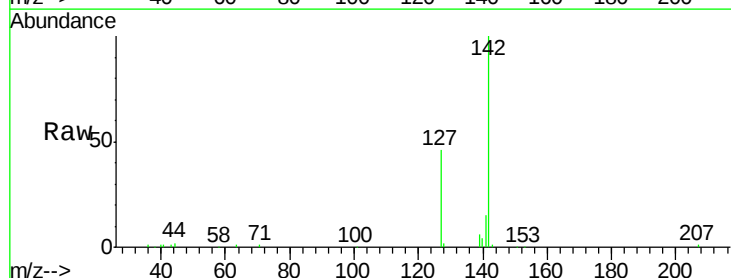
Tgt Ion:142 Resp: 68602

Ion Ratio Lower Upper

142 100

127 44.2 35.4 53.2

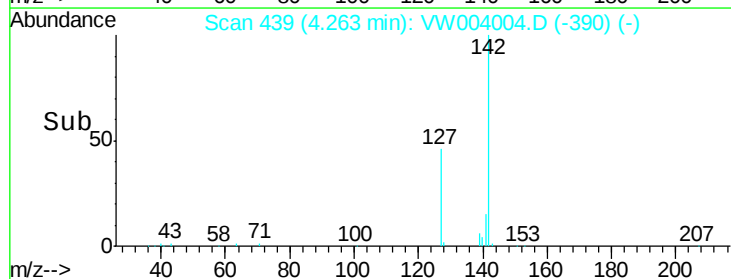
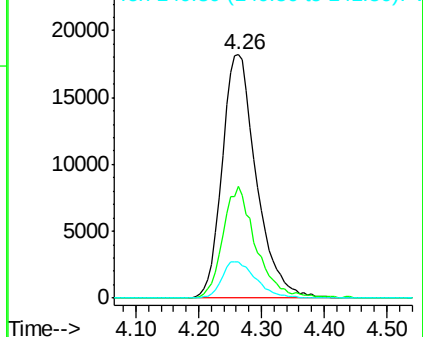
141 15.0 11.7 17.5

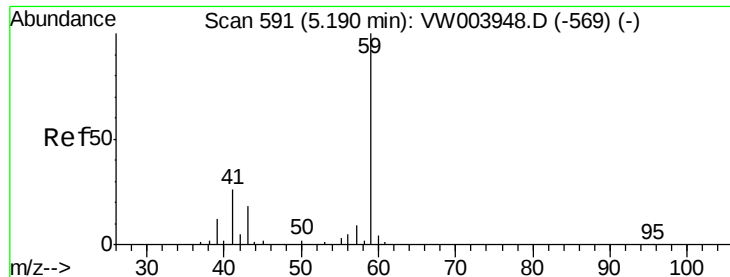


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



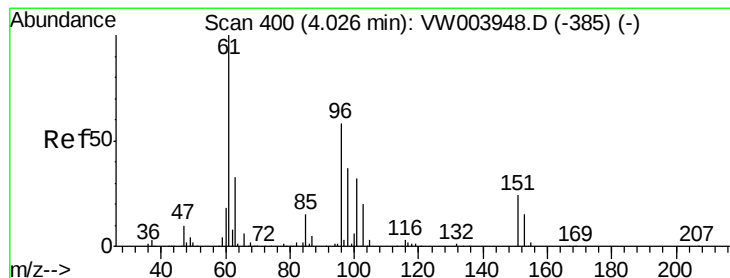
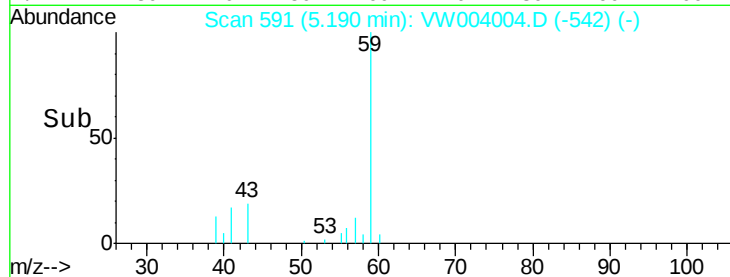
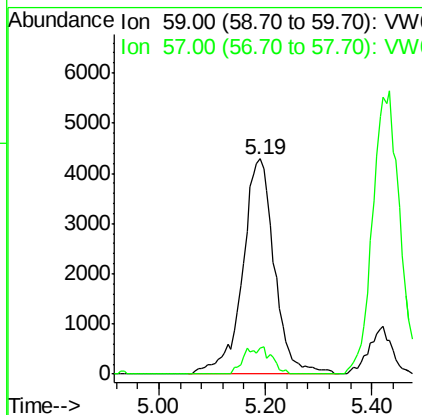
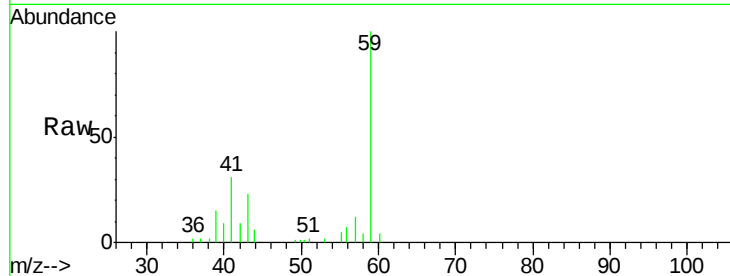


#11

Tert butyl alcohol
 Concen: 103.720 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

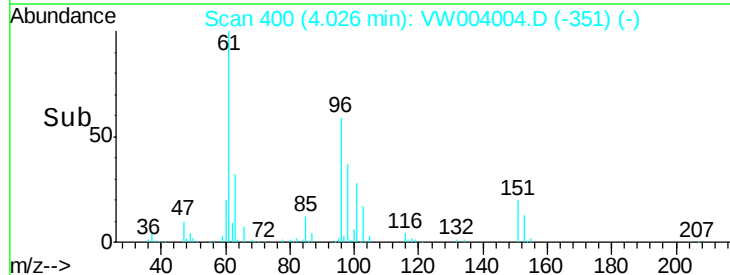
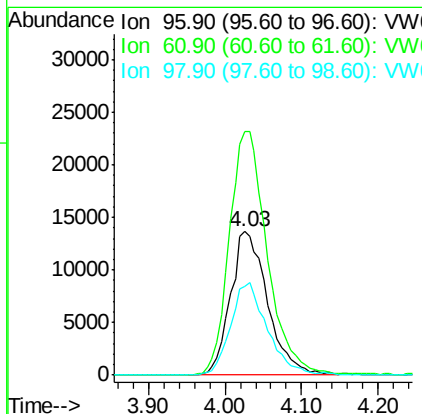
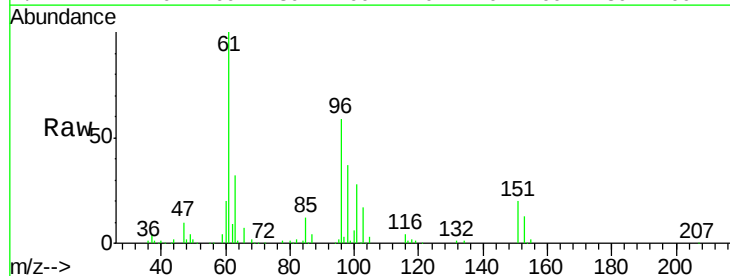
Tot Ion: 59 Resp: 17681
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

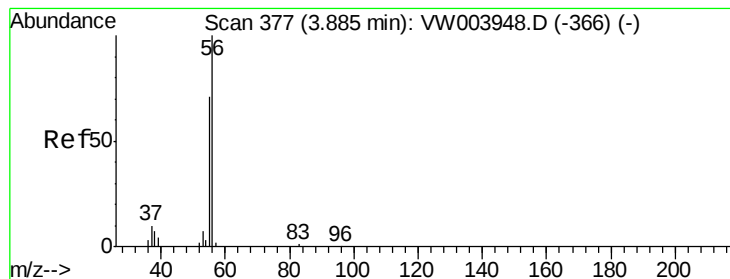


#12

1,1-Dichloroethene
 Concen: 21.463 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 96 Resp: 46081
 Ion Ratio Lower Upper
 96 100
 61 169.9 137.0 205.6
 98 62.3 50.2 75.4





#13

Acrolein

Concen: 90.942 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

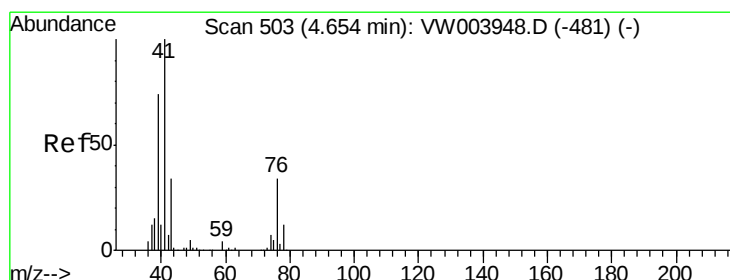
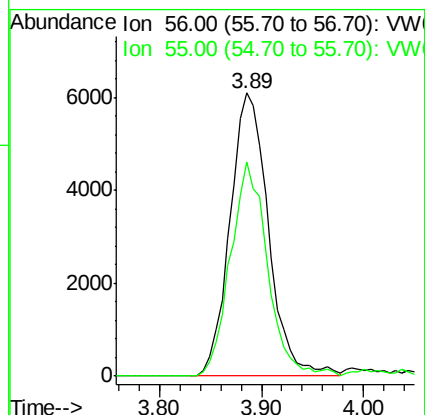
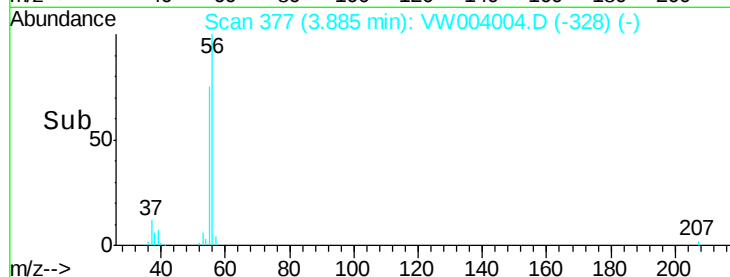
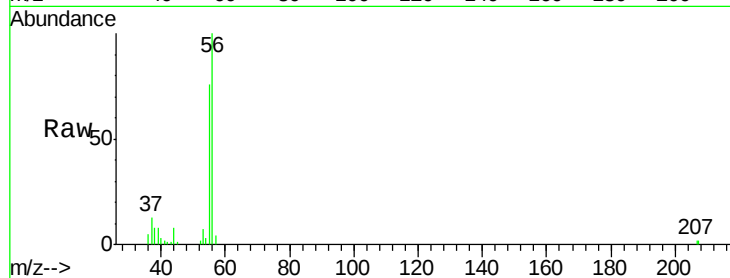
VW0717SBSD02

Tot Ion: 56 Resp: 15929

Ion Ratio Lower Upper

56 100

55 72.8 58.2 87.4



#14

Allyl chloride

Concen: 21.469 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

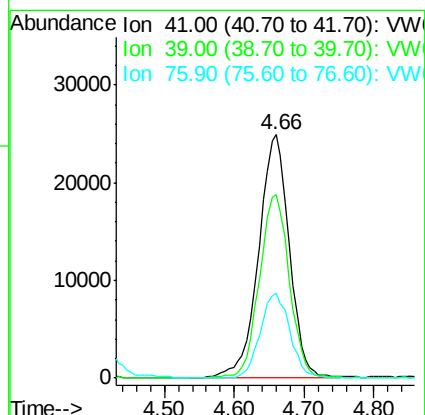
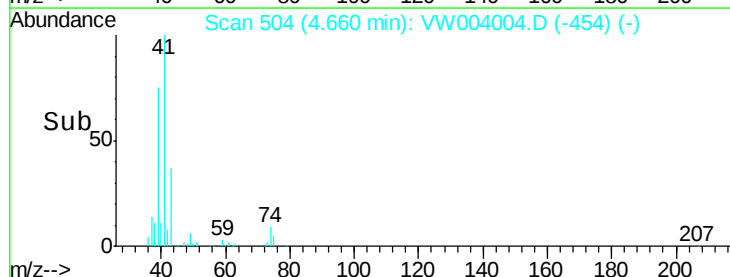
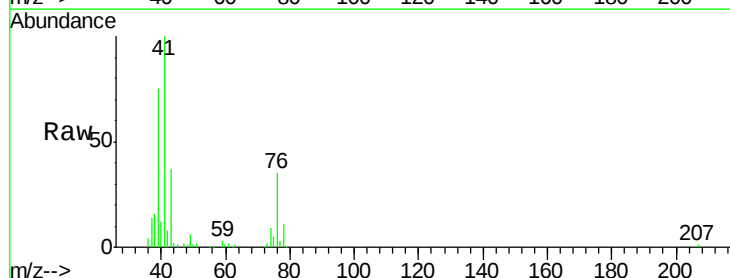
Tgt Ion: 41 Resp: 76082

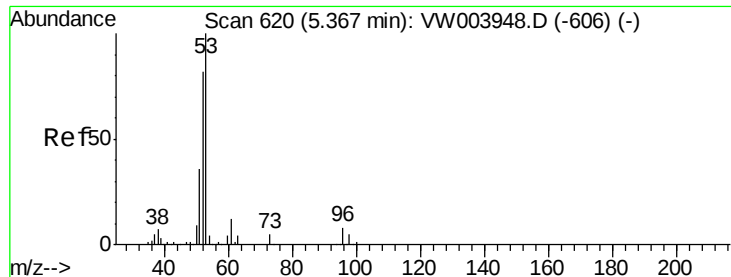
Ion Ratio Lower Upper

41 100

39 73.8 57.0 85.4

76 33.8 26.5 39.7





#15

Acrylonitrile

Concen: 104.054 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

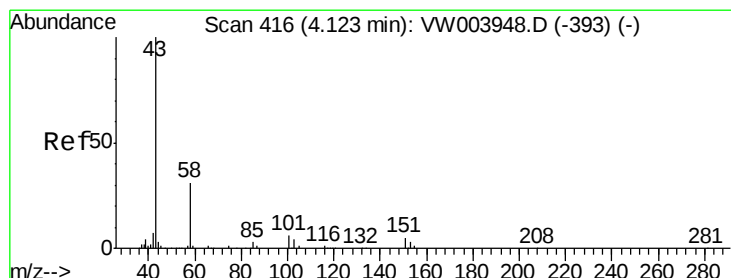
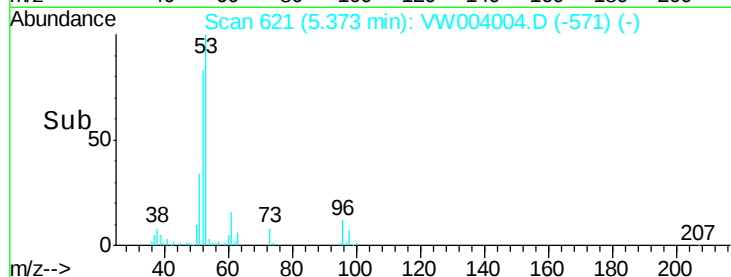
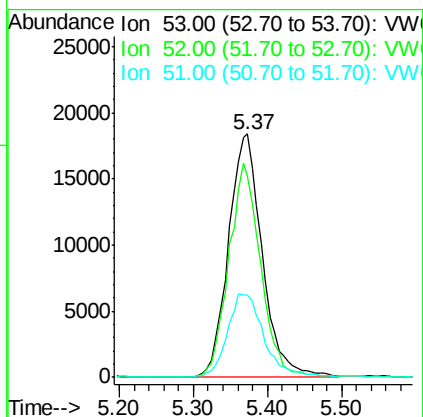
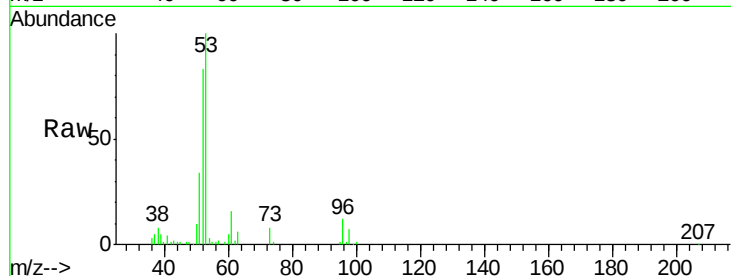
Tot Ion: 53 Resp: 58360

Ion Ratio Lower Upper

53 100

52 83.3 66.1 99.1

51 37.4 29.8 44.6



#16

Acetone

Concen: 84.591 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004004.D

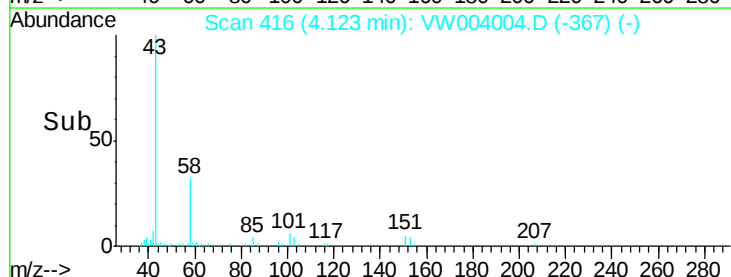
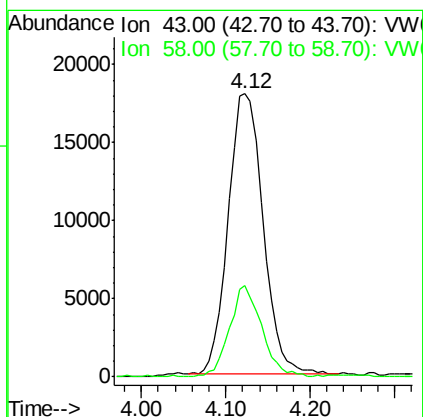
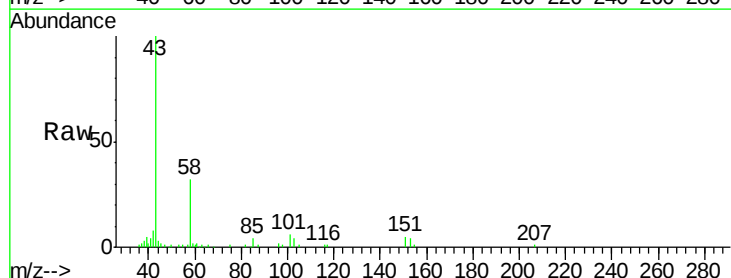
Acq: 18 Jul 2018 01:43

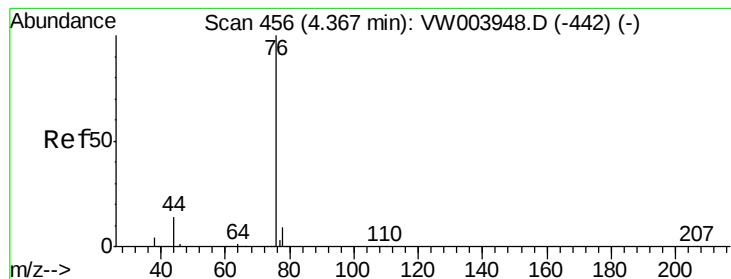
Tgt Ion: 43 Resp: 50196

Ion Ratio Lower Upper

43 100

58 32.2 24.5 36.7





#17

Carbon Disulfide

Concen: 21.829 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

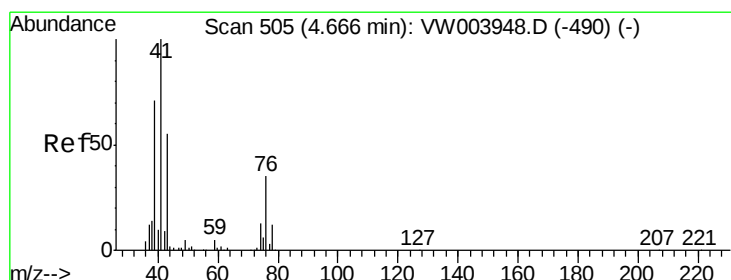
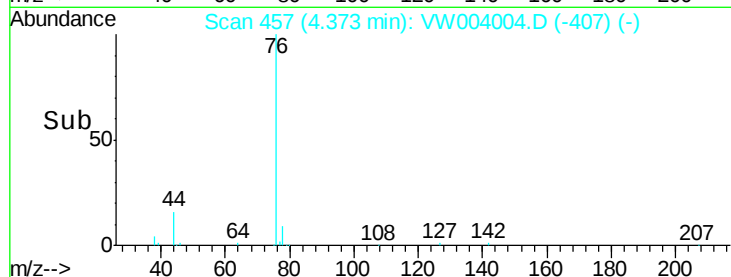
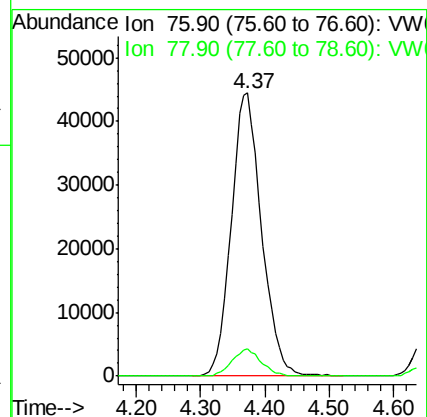
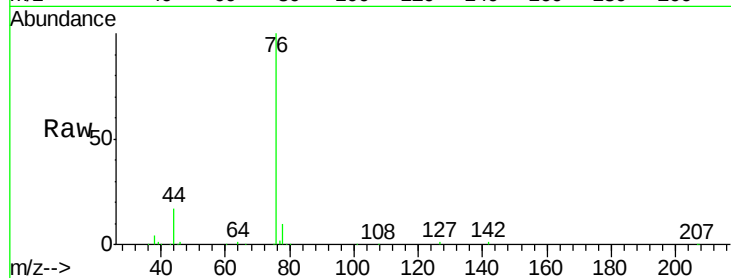
VW0717SBSD02

Tot Ion: 76 Resp: 146282

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



#18

Methyl Acetate

Concen: 21.383 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004004.D

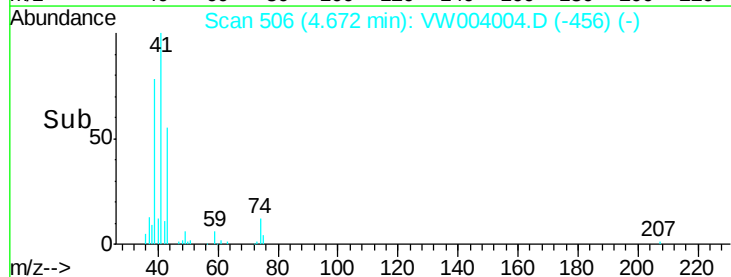
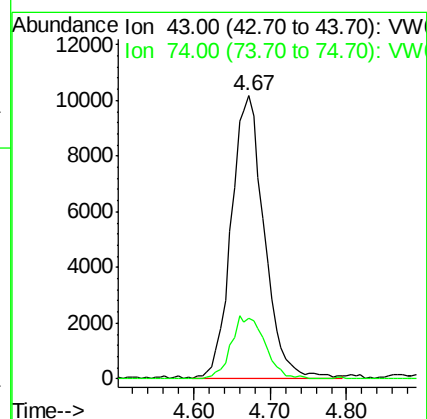
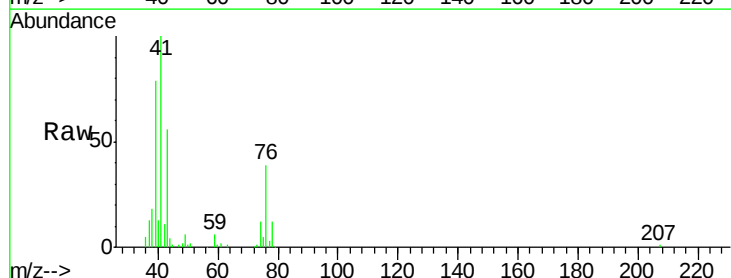
Acq: 18 Jul 2018 01:43

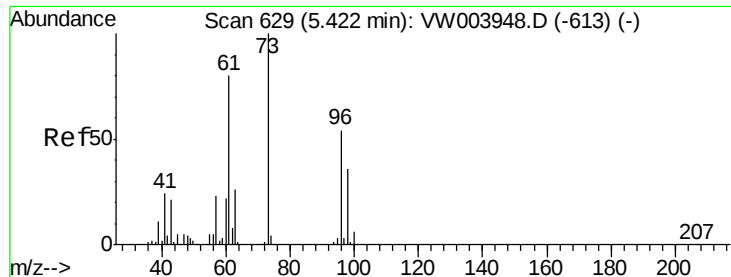
Tgt Ion: 43 Resp: 30458

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5

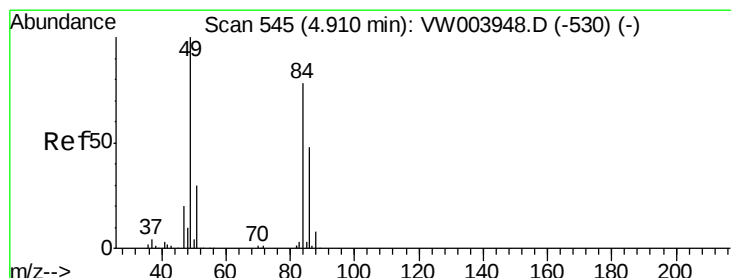
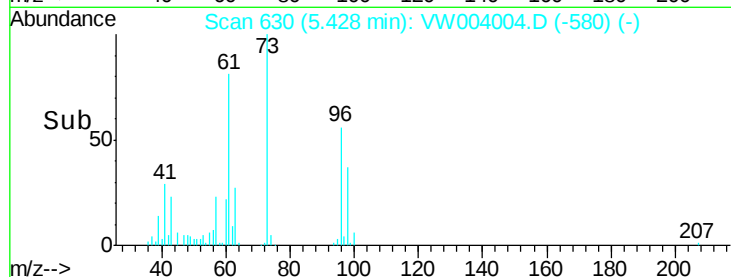
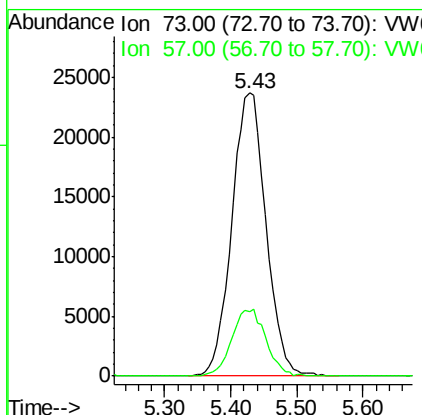
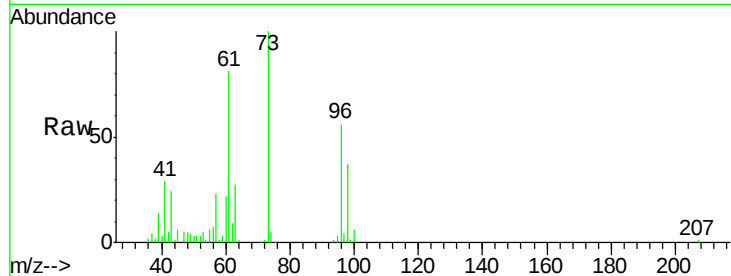




#19
Methvl tert-butvl Ether
Concen: 20.611 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

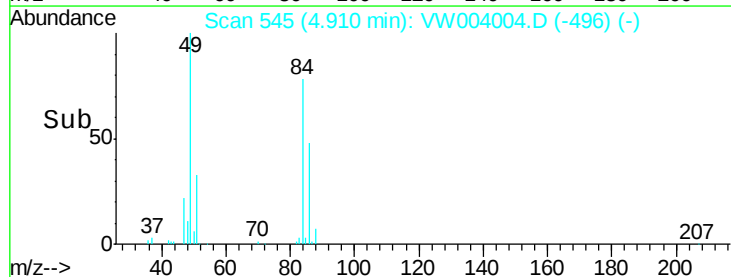
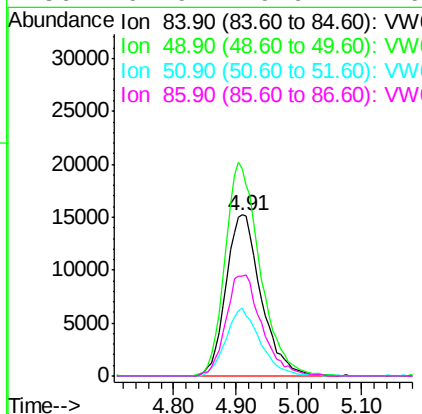
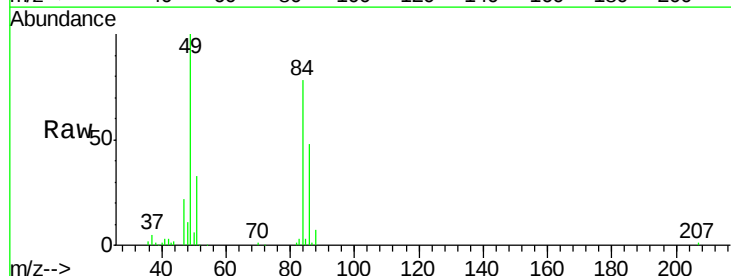
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

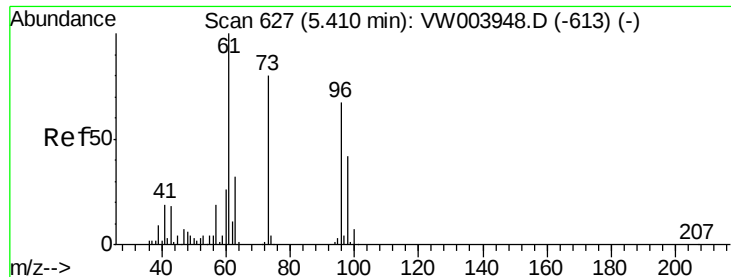
Tot Ion: 73 Resp: 84808
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4



#20
Methylene Chloride
Concen: 17.448 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 84 Resp: 59117
Ion Ratio Lower Upper
84 100
49 128.6 102.9 154.3
51 41.9 30.9 46.3
86 61.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 22.028 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

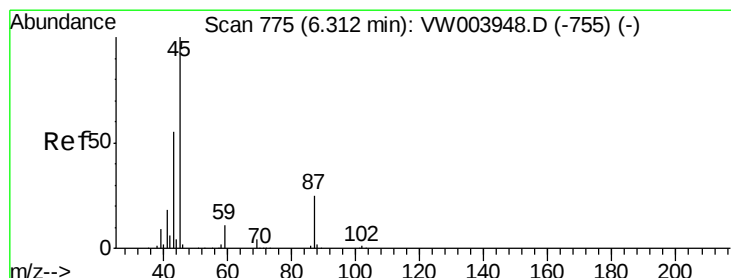
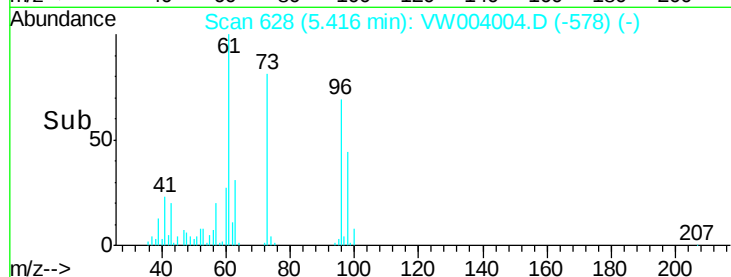
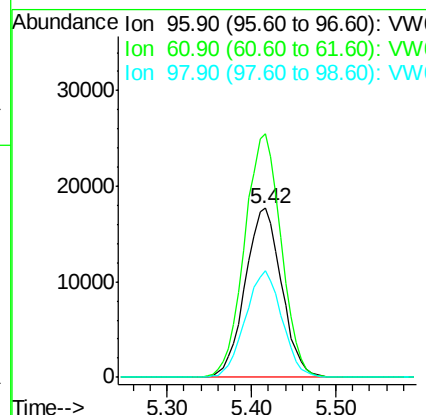
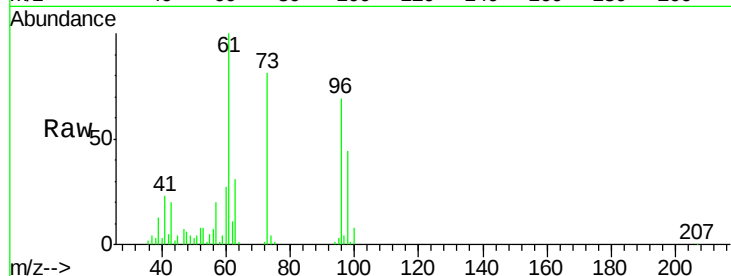
Tot Ion: 96 Resp: 51840

Ion Ratio Lower Upper

96 100

61 144.0 119.0 178.4

98 63.1 49.9 74.9



#22

Diisopropyl ether

Concen: 22.677 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion: 45 Resp: 162415

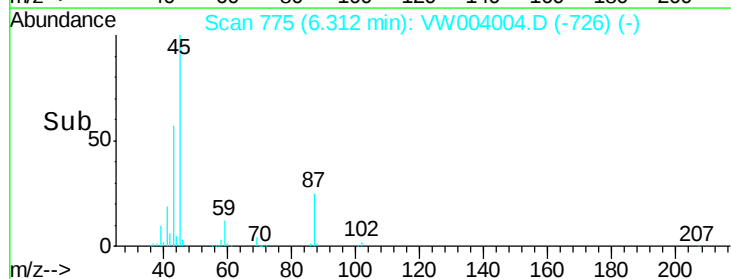
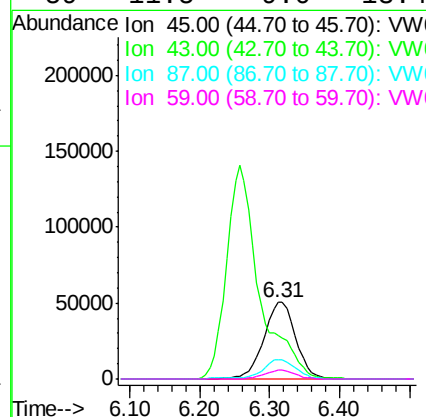
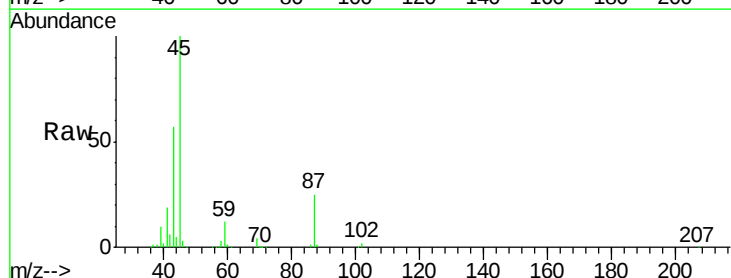
Ion Ratio Lower Upper

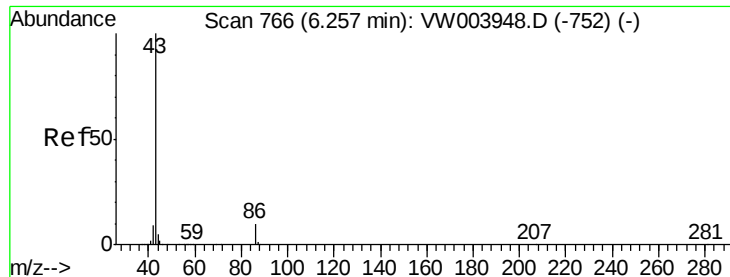
45 100

43 57.1 44.3 66.5

87 25.0 20.2 30.4

59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 101.320 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

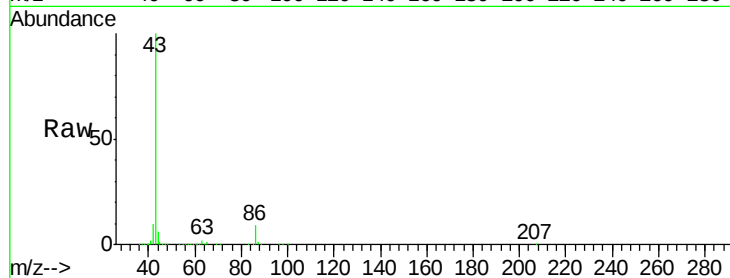
VW0717SBS02

Tot Ion: 43 Resp: 459794

Ion Ratio Lower Upper

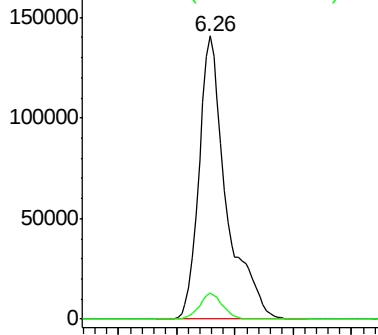
43 100

86 9.2 7.6 11.4

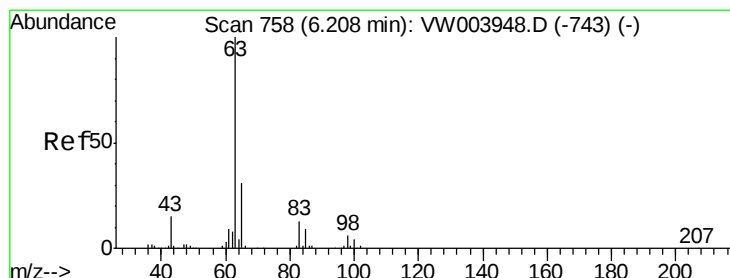
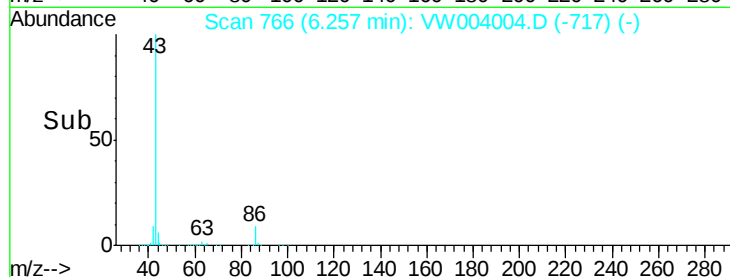


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 22.279 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

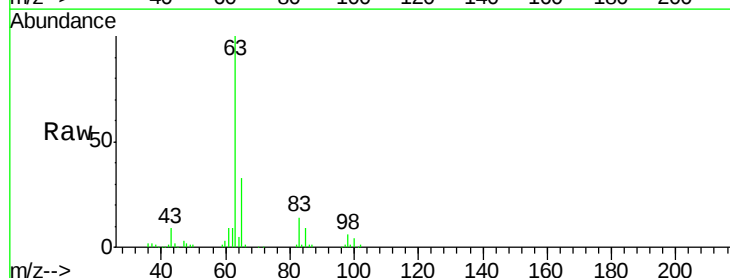
Tgt Ion: 63 Resp: 97360

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

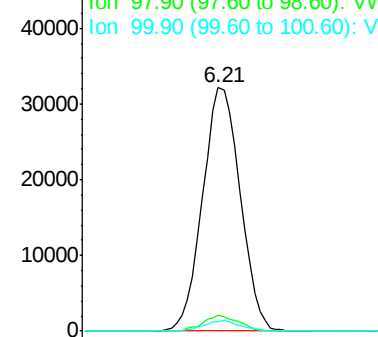
100 3.8 2.1 6.5



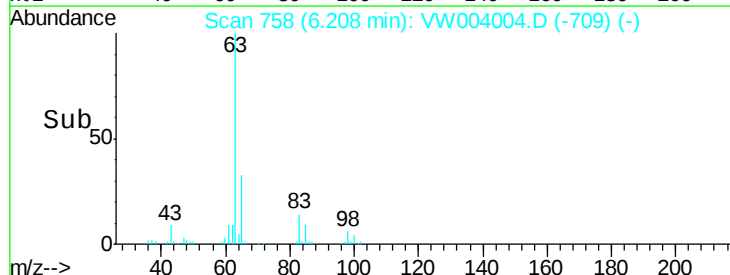
Abundance Ion 62.90 (62.60 to 63.60): VW

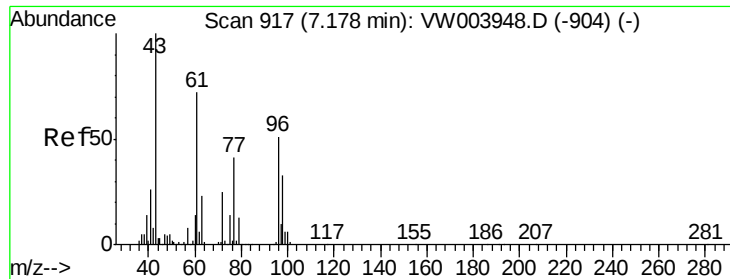
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 96.853 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

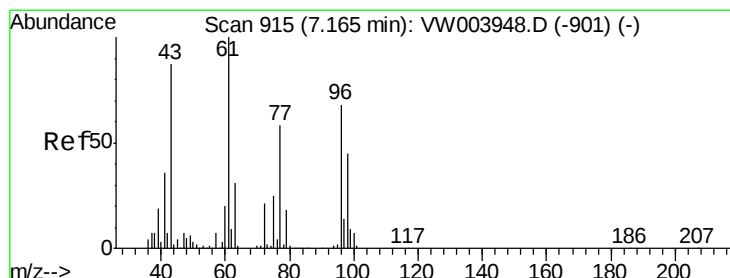
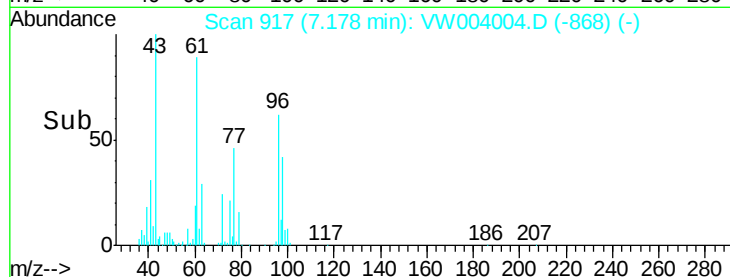
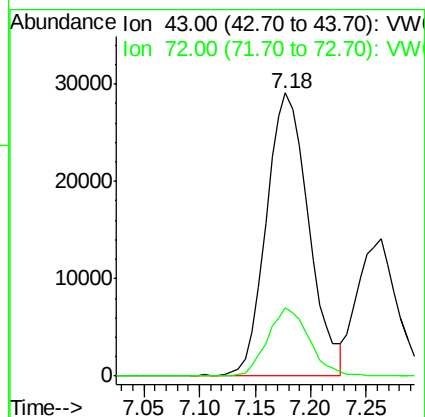
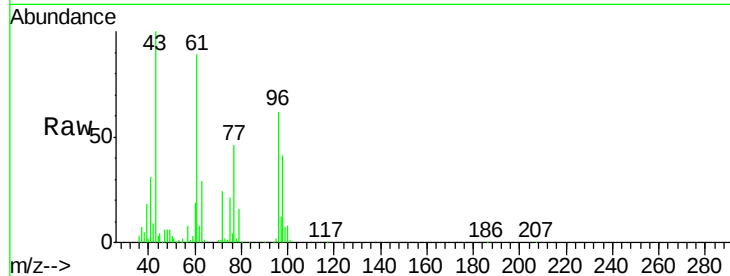
VW0717SBS02

Tot Ion: 43 Resp: 77341

Ion Ratio Lower Upper

43 100

72 24.0 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.192 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004004.D

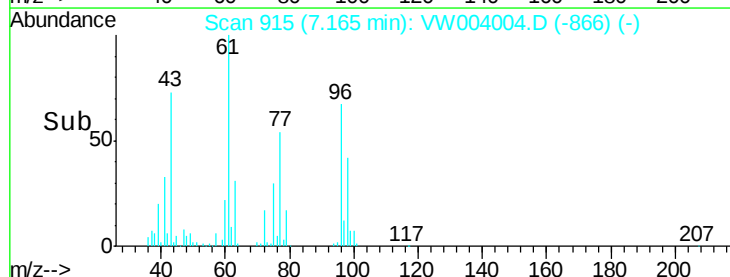
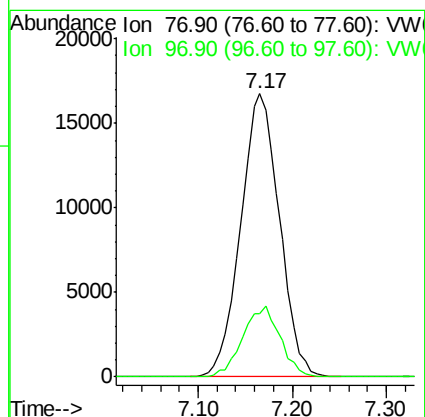
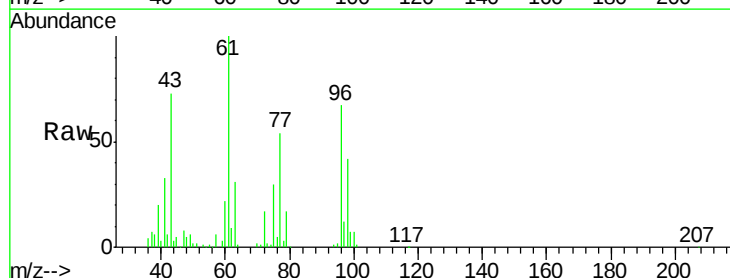
Acq: 18 Jul 2018 01:43

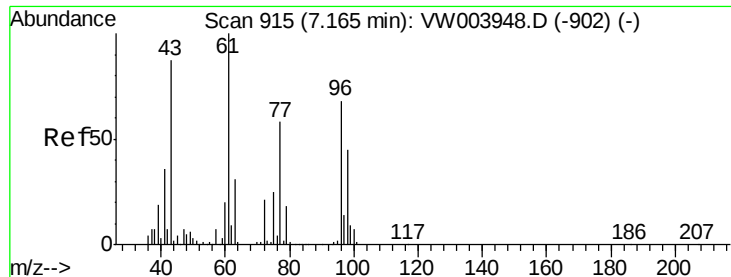
Tgt Ion: 77 Resp: 48144

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3



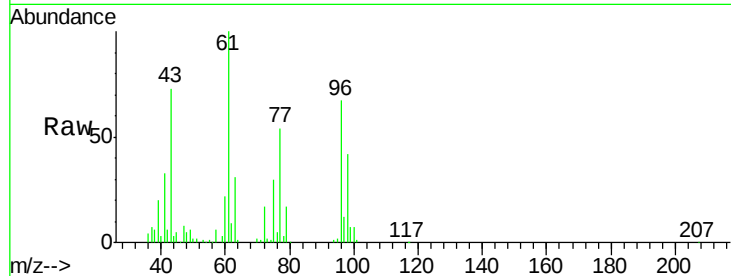


#27

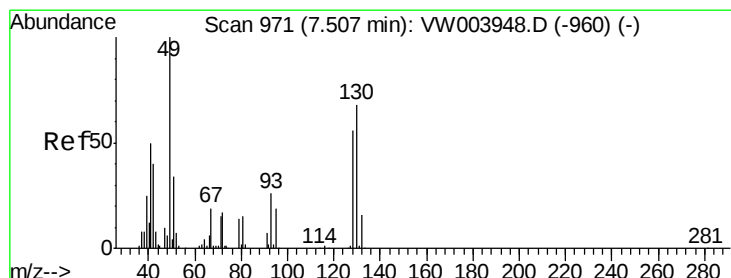
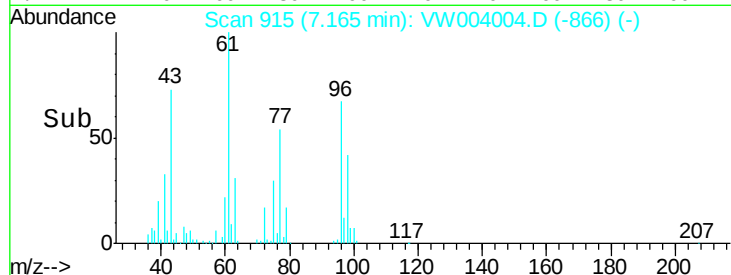
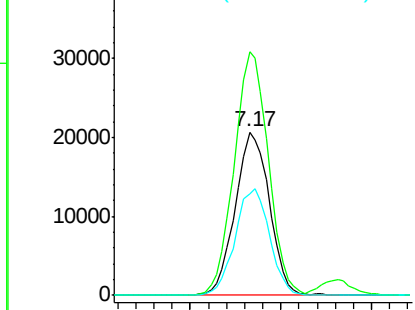
cis-1,2-Dichloroethene
Concen: 21.276 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

Tot Ion: 96 Resp: 54128
Ion Ratio Lower Upper
96 100
61 149.1 0.0 298.6
98 65.8 0.0 130.4



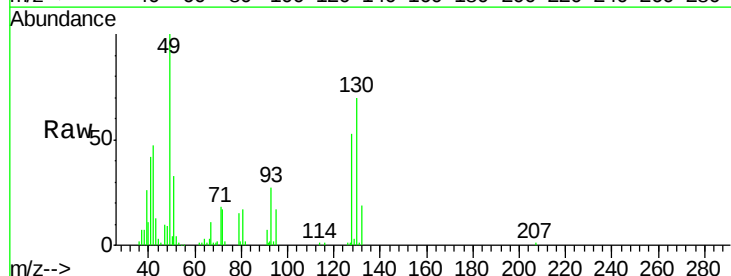
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



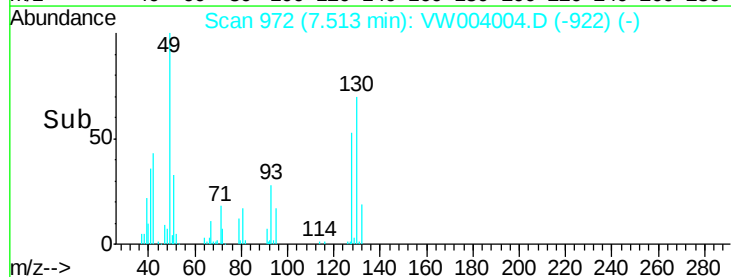
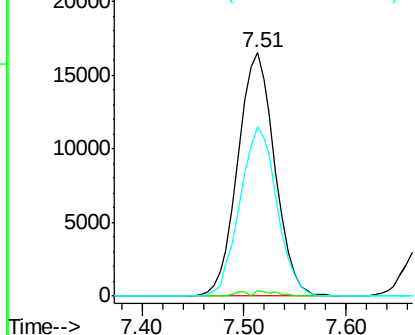
#28

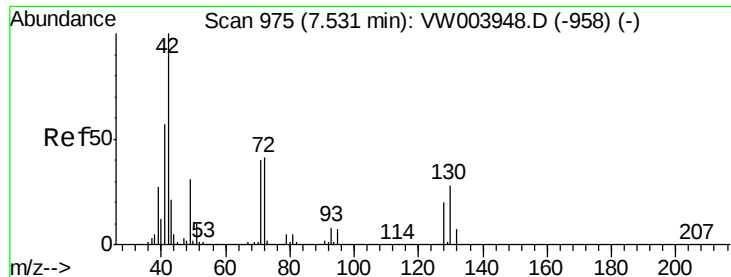
Bromochloromethane
Concen: 23.264 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 49 Resp: 41607
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.2
130 69.6 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

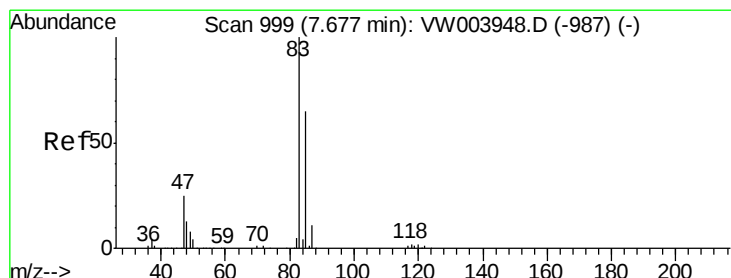
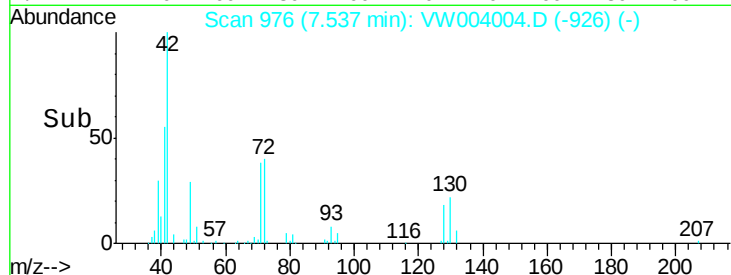
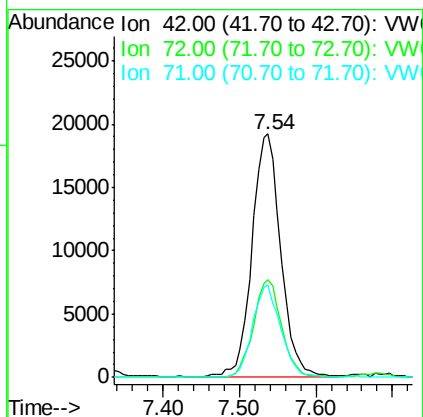
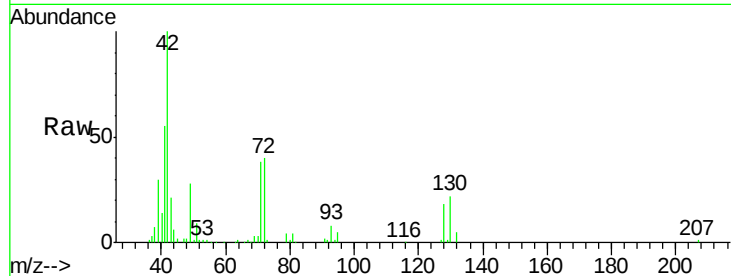




#29
Tetrahydrofuran
Concen: 101.989 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

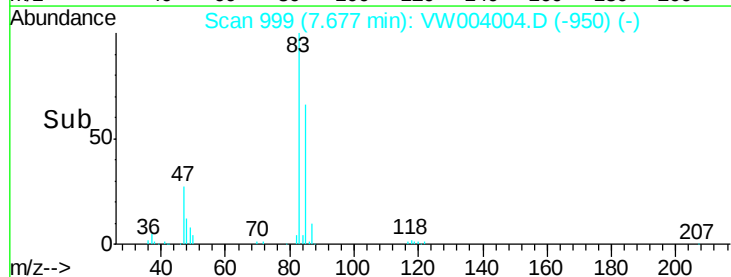
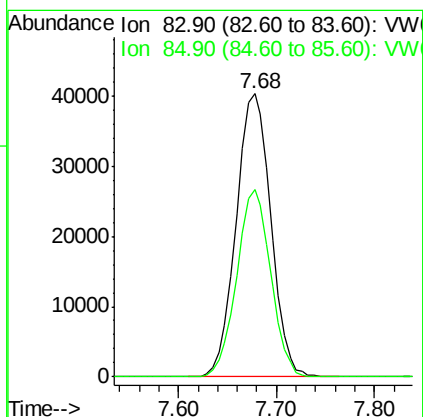
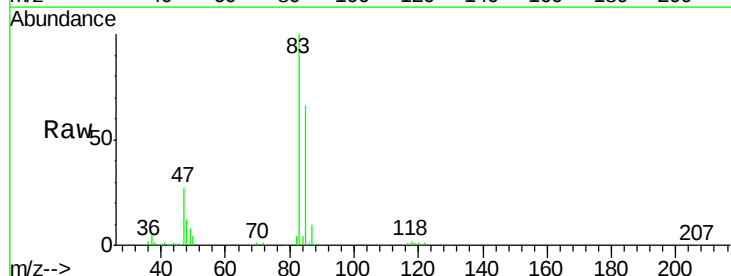
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

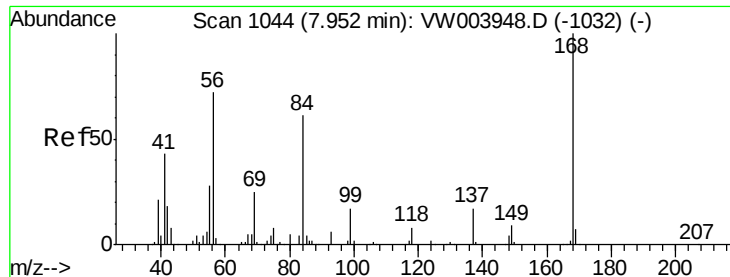
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.6	48.8
71	36.8	30.5	45.7



#30
Chloroform
Concen: 22.819 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4

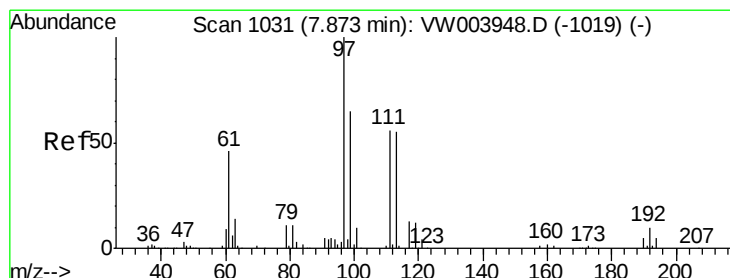
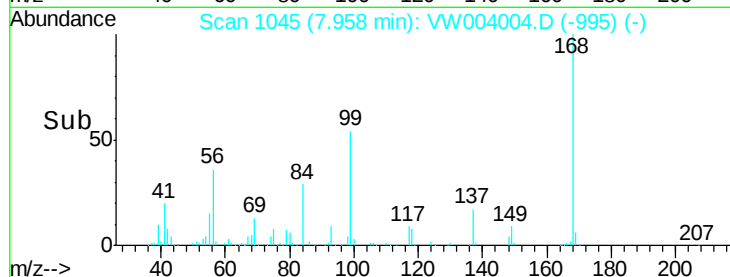
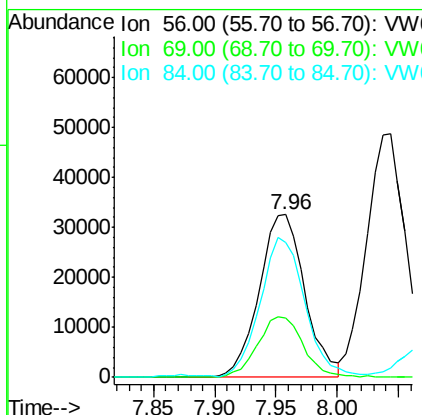
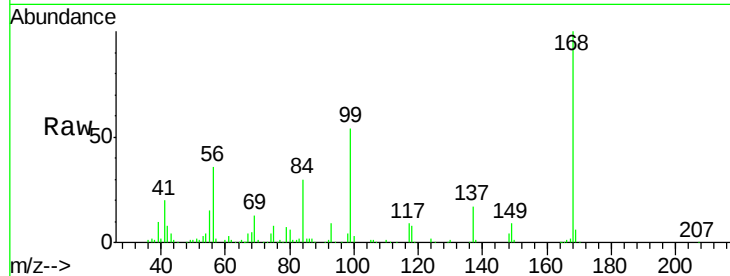




#31
Cyclohexane
Concen: 20.702 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

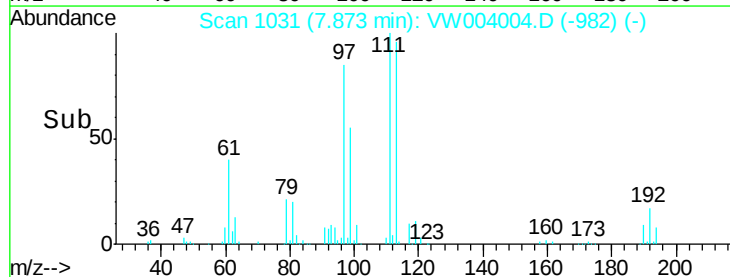
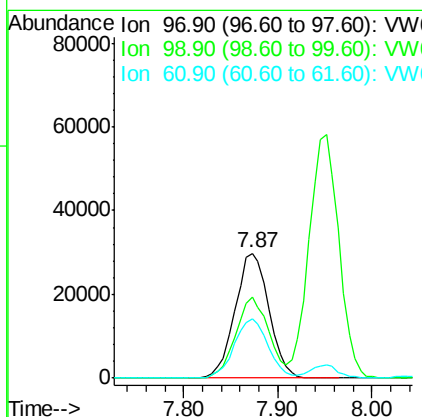
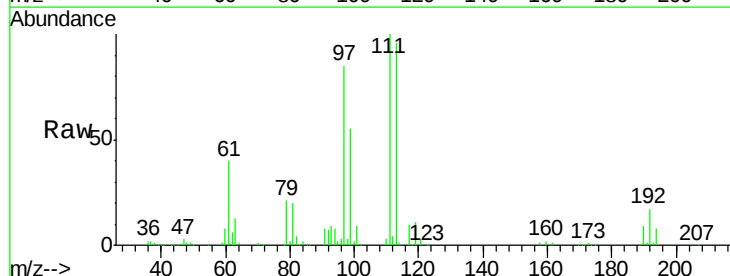
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

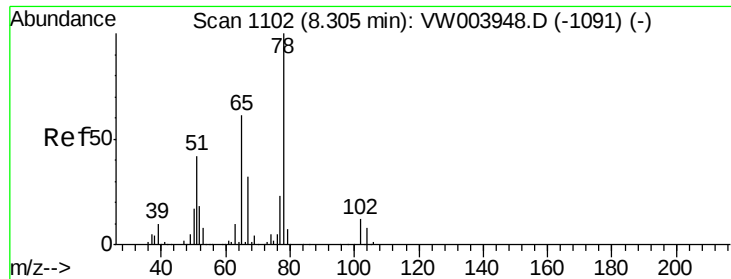
Tot Ion: 56 Resp: 84807
Ion Ratio Lower Upper
56 100
69 36.2 27.8 41.8
84 81.2 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 22.061 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 97 Resp: 74885
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 47.3 36.8 55.2

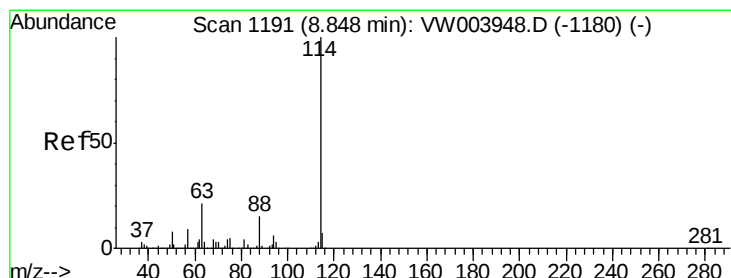
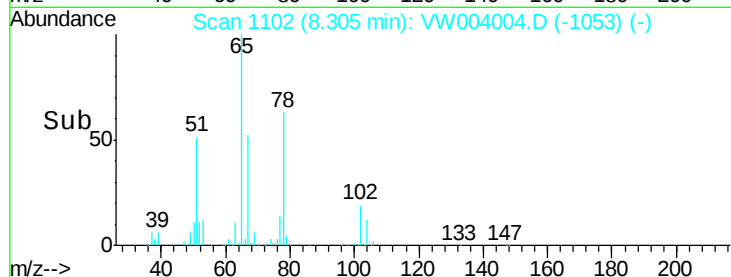
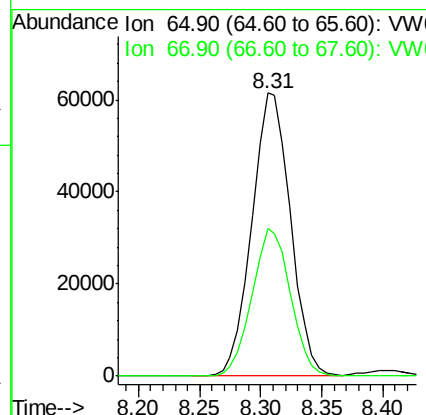
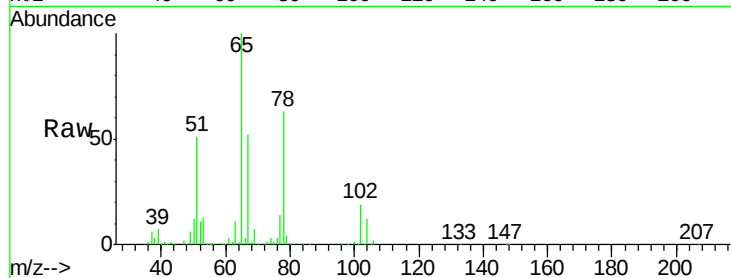




#33
 1,2-Dichloroethane-d4
 Concen: 54.723 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

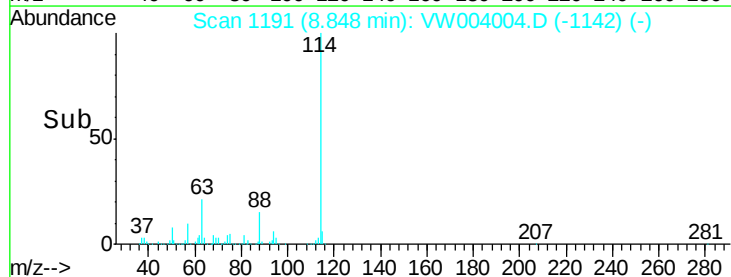
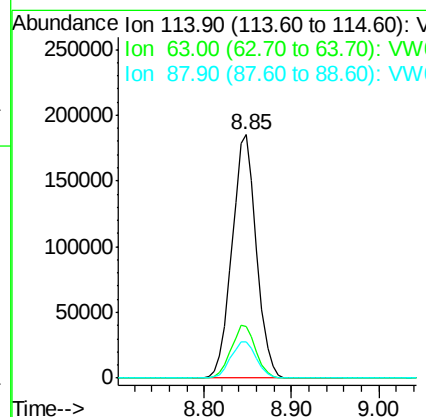
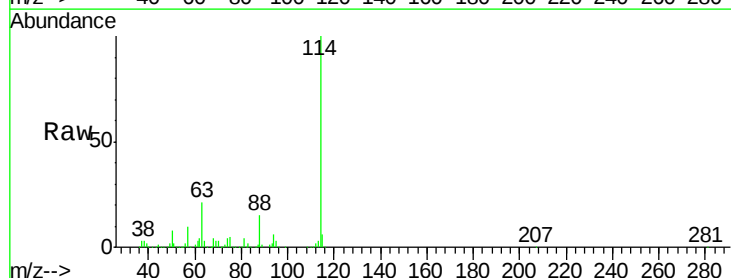
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

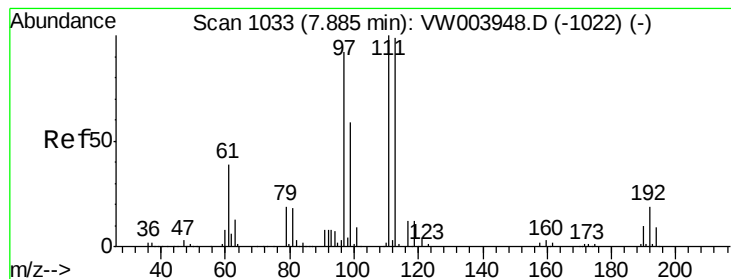
Tot Ion: 65 Resp: 135133
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 114 Resp: 358349
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.841 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

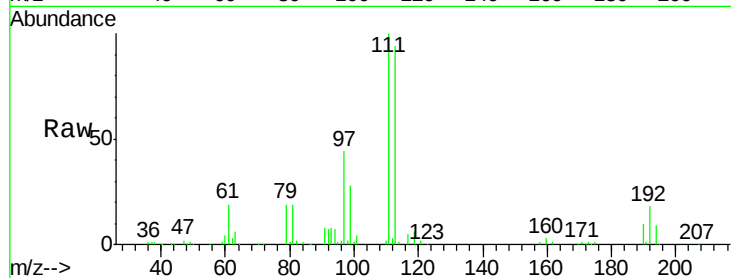
Tot Ion:113 Resp: 116897

Ion Ratio Lower Upper

113 100

111 105.4 81.3 121.9

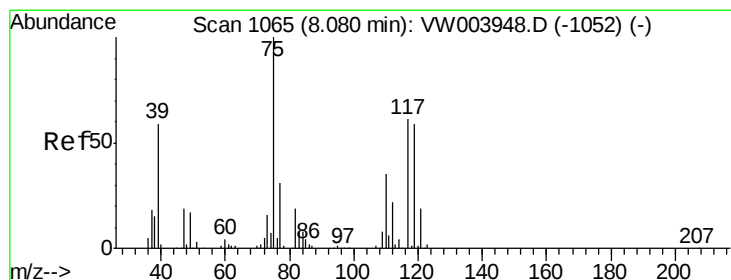
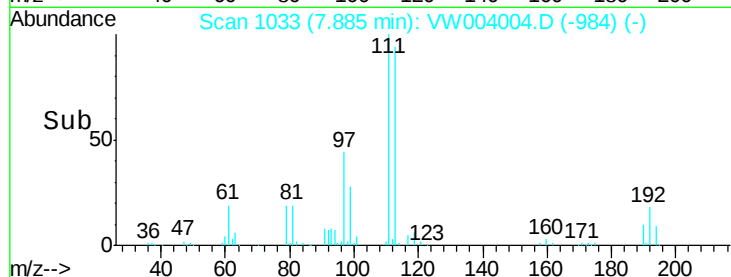
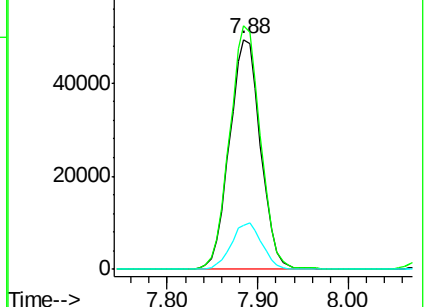
192 20.0 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.768 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

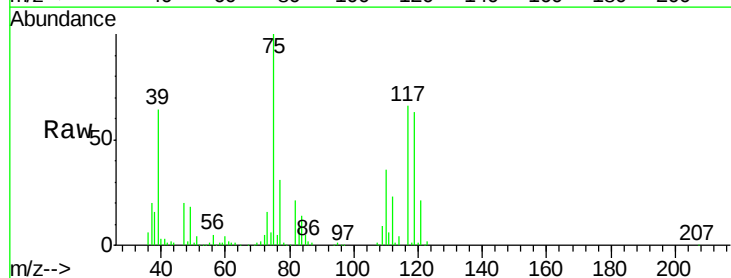
Tgt Ion: 75 Resp: 76569

Ion Ratio Lower Upper

75 100

110 34.8 17.0 51.0

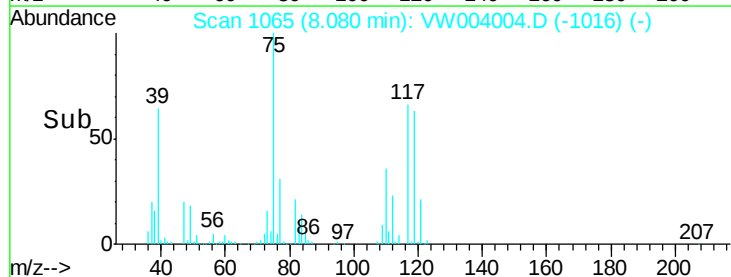
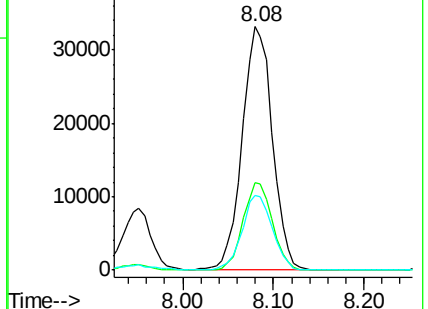
77 30.8 24.9 37.3

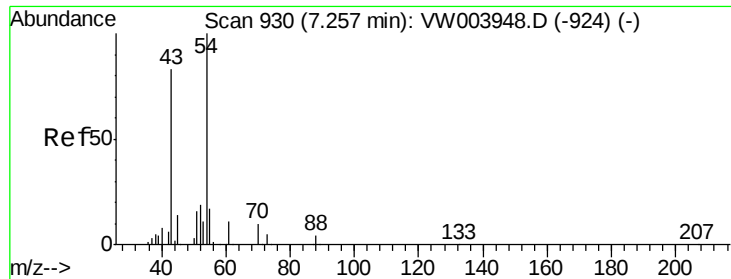


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 19.929 ug/l

RT: 7.26 min Scan# 931

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

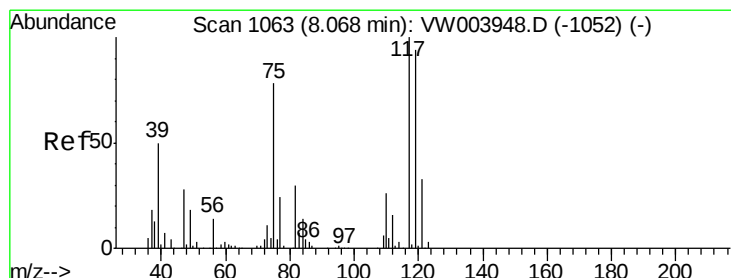
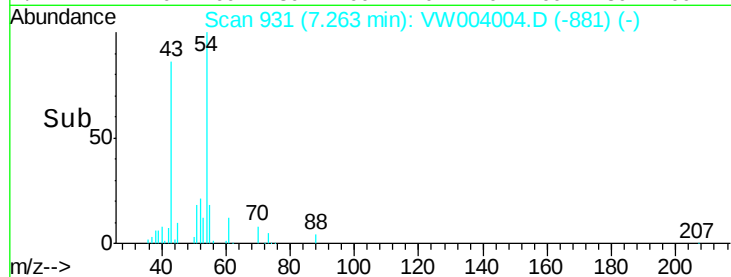
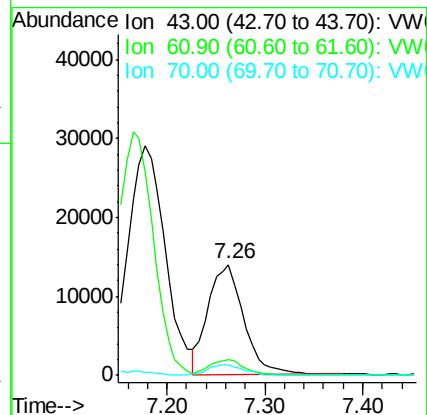
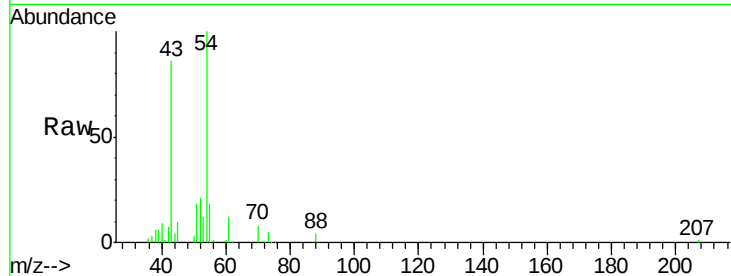
Tot Ion: 43 Resp: 35441

Ion Ratio Lower Upper

43 100

61 13.8 10.7 16.1

70 9.7 7.7 11.5



#38

Carbon Tetrachloride

Concen: 20.330 ug/l

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

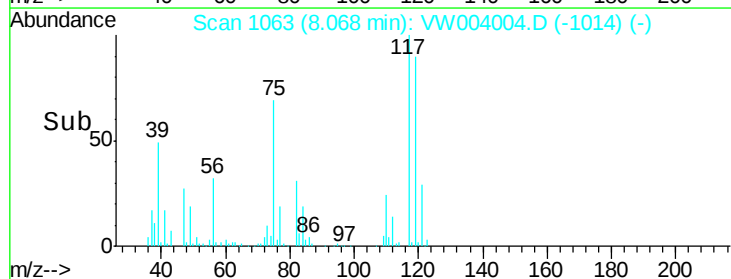
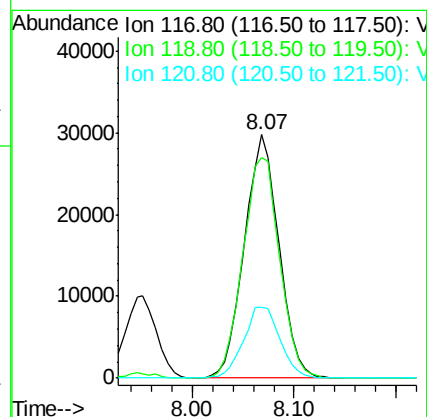
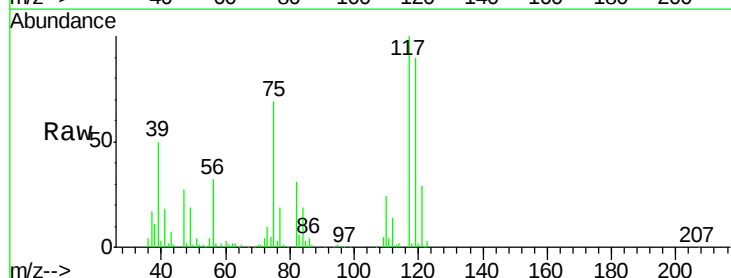
Tgt Ion: 117 Resp: 70035

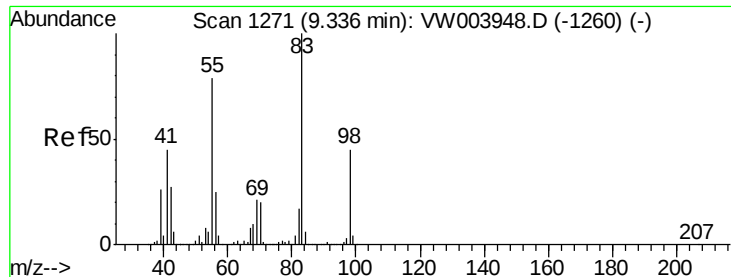
Ion Ratio Lower Upper

117 100

119 90.5 75.3 112.9

121 29.1 26.0 39.0

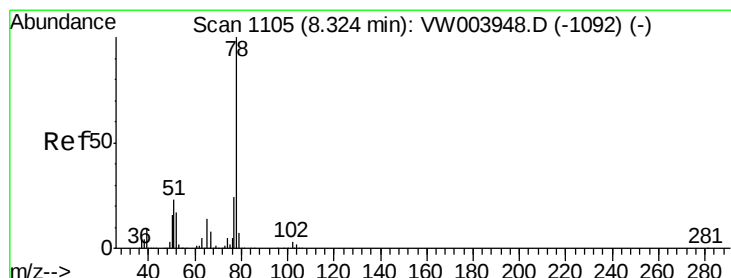
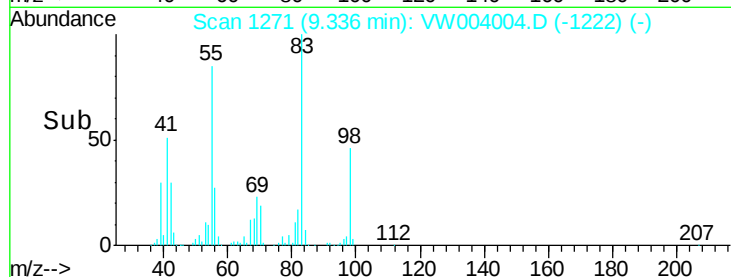
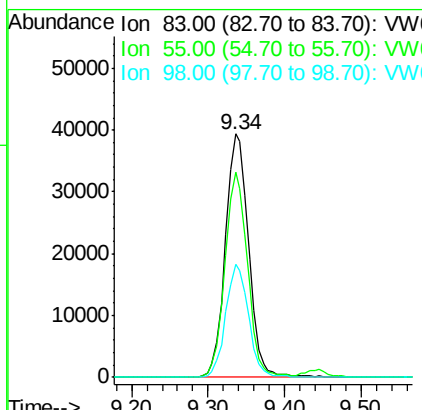
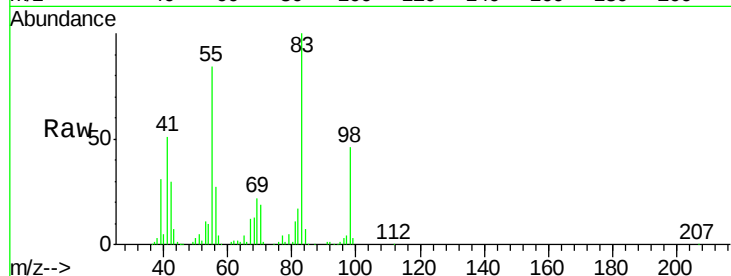




#39
Methvlcvclohexane
Concen: 19.194 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

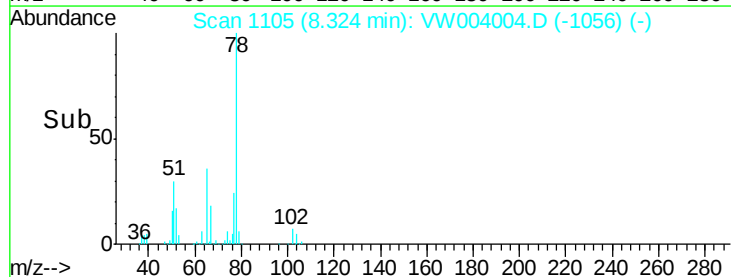
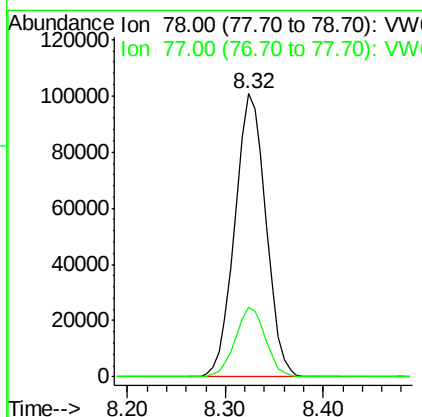
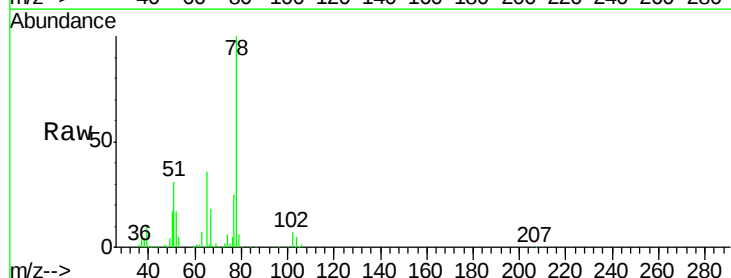
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

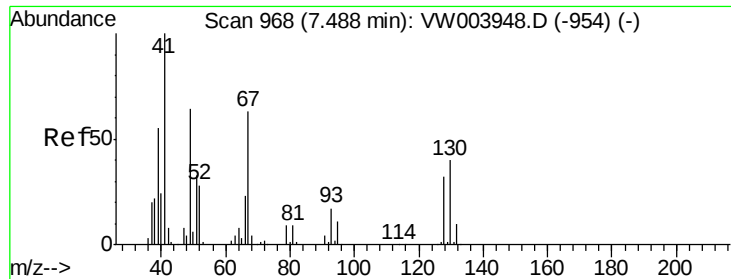
Tot Ion: 83 Resp: 82876
Ion Ratio Lower Upper
83 100
55 84.2 62.8 94.2
98 46.2 36.2 54.4



#40
Benzene
Concen: 21.706 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 78 Resp: 222023
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3

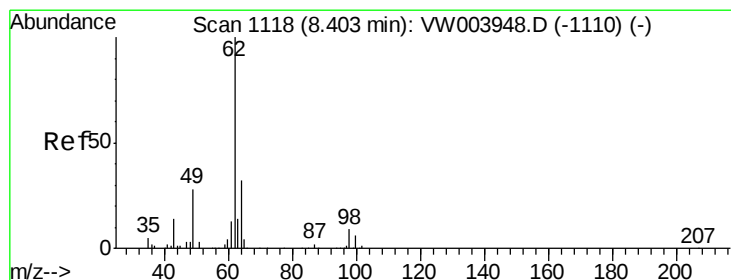
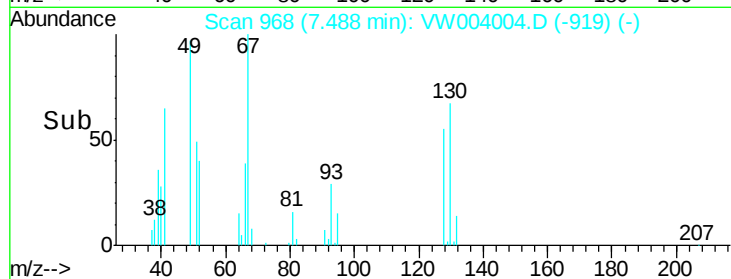
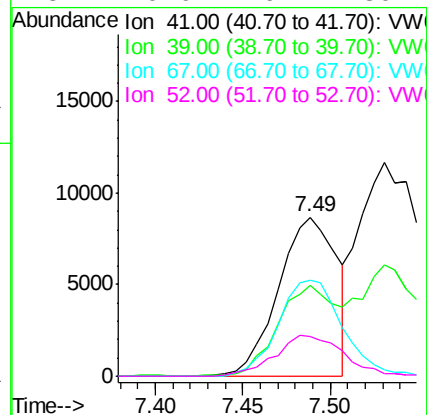
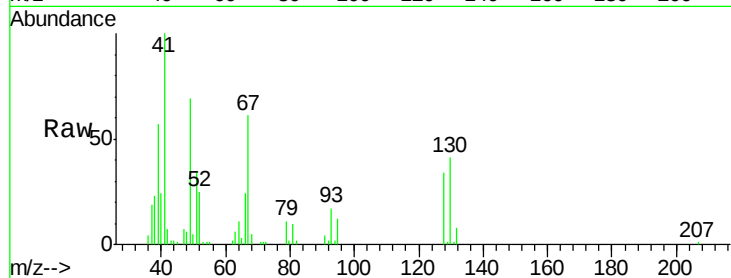




#41
Methacrylonitrile
Concen: 20.582 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

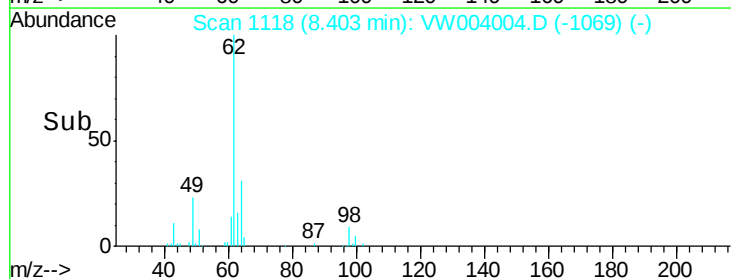
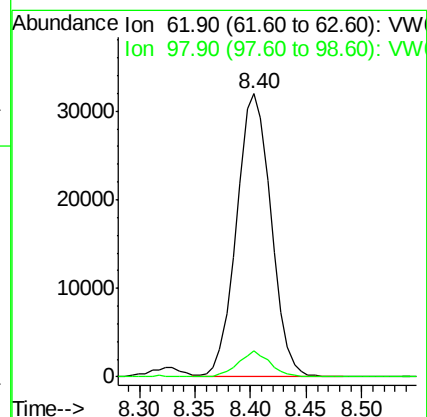
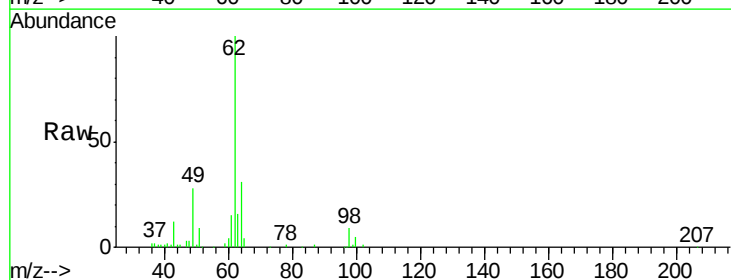
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

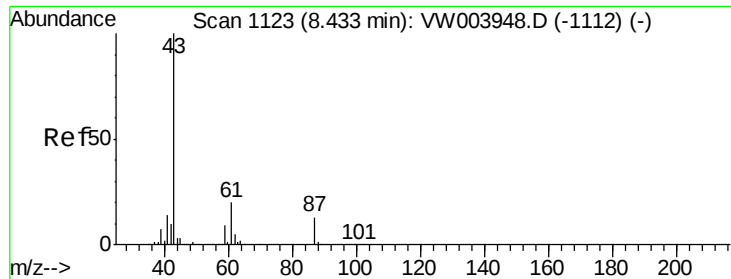
Tot Ion:	41	Resp:	20281
Ion	Ratio	Lower	Upper
41	100		
39	58.0	50.0	75.0
67	66.4	60.8	91.2
52	29.9	26.2	39.4



#42
1,2-Dichloroethane
Concen: 22.040 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion:	62	Resp:	68778
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.4



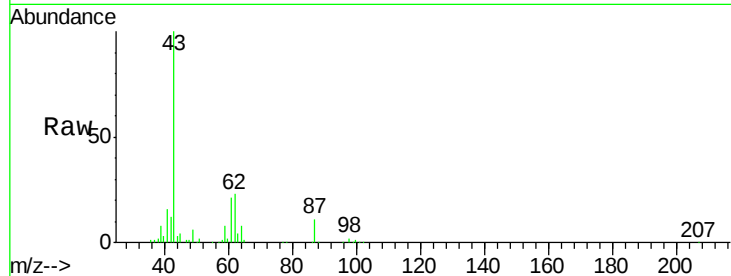


#43

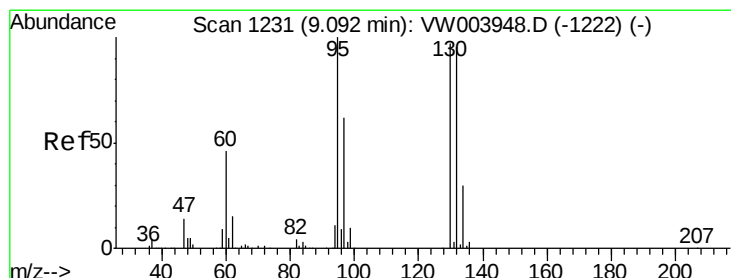
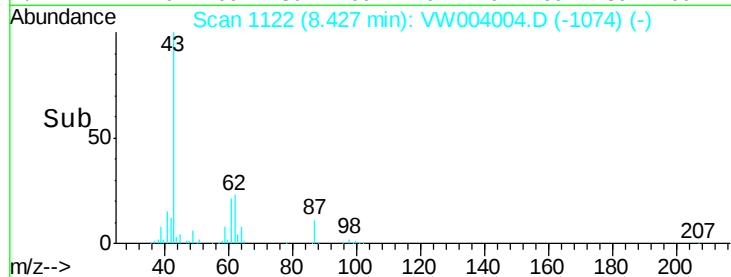
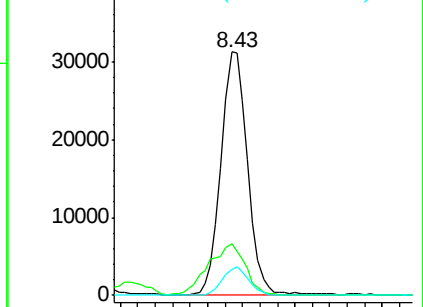
Isopropyl Acetate
 Concen: 19.949 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

Tot Ion: 43 Resp: 66351
 Ion Ratio Lower Upper
 43 100
 61 29.4 23.0 34.6
 87 11.5 9.9 14.9



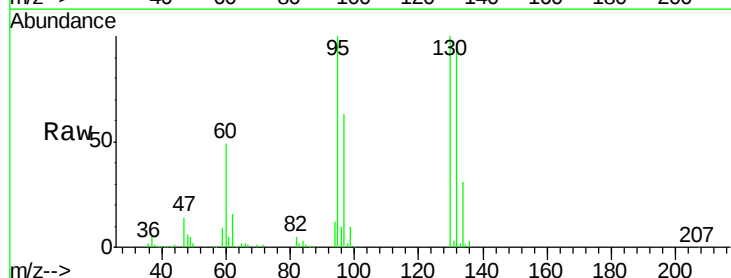
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



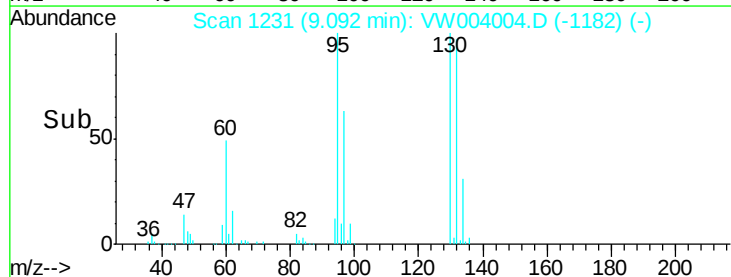
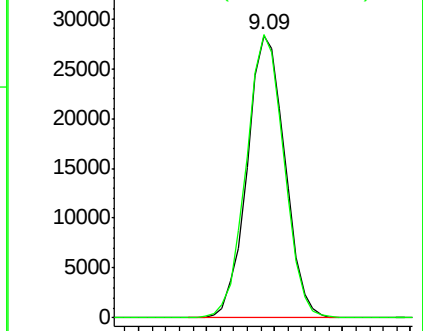
#44

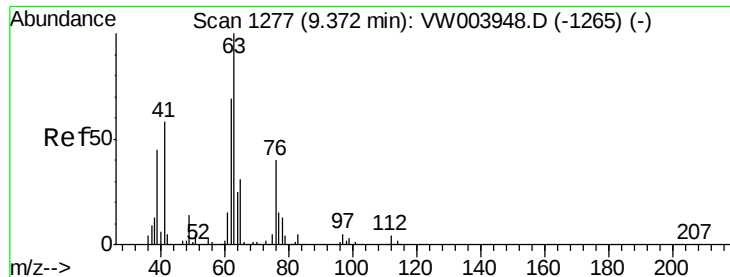
Trichloroethene
 Concen: 20.781 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 130 Resp: 55099
 Ion Ratio Lower Upper
 130 100
 95 100.2 0.0 206.8



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

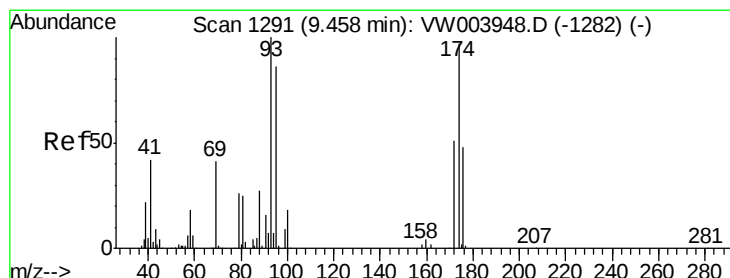
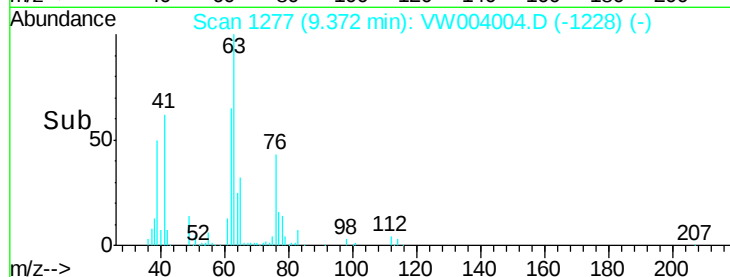
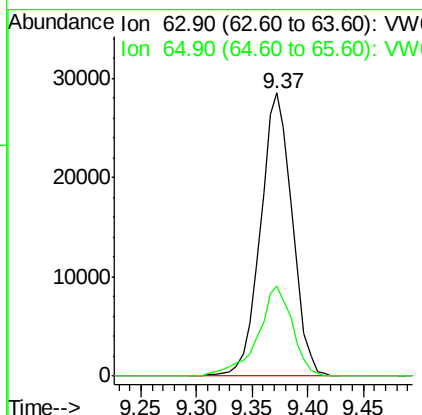
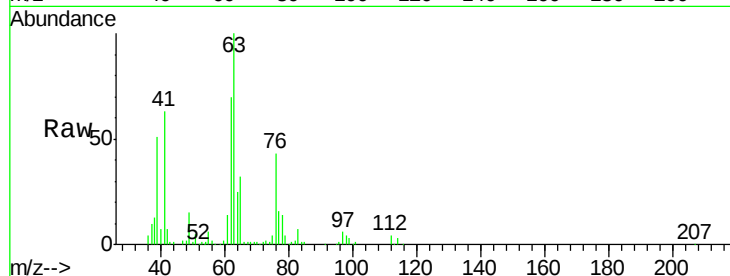




#45
 1,2-Dichloropropane
 Concen: 21.751 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

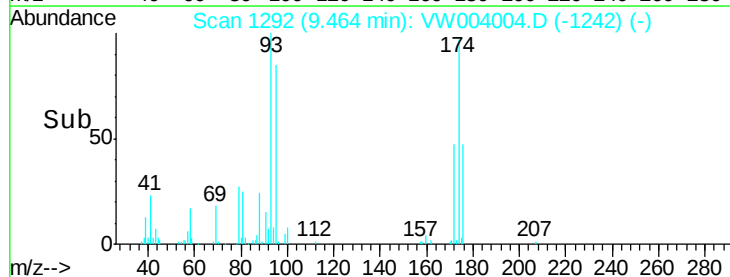
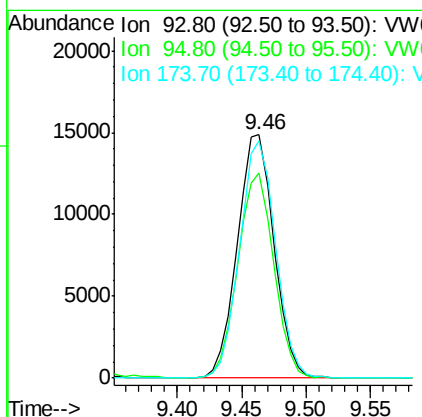
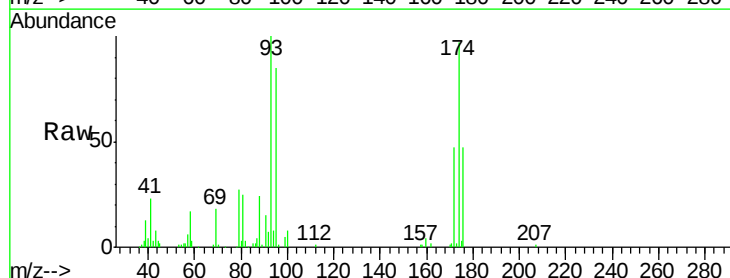
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

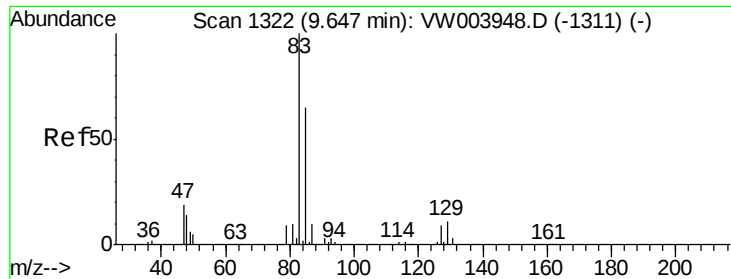
Tot Ion: 63 Resp: 56785
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2



#46
 Dibromomethane
 Concen: 21.707 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 93 Resp: 29407
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.9 100.3
 174 95.2 80.2 120.2





#47

Bromodichloromethane

Concen: 21.529 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBSD02

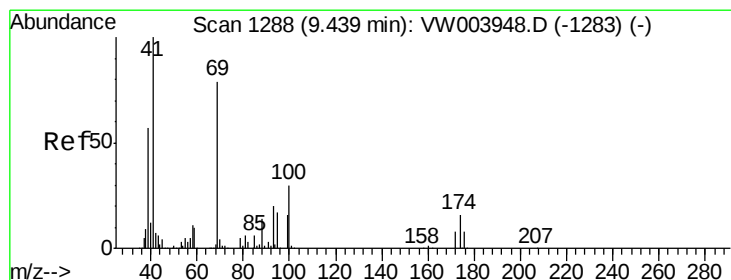
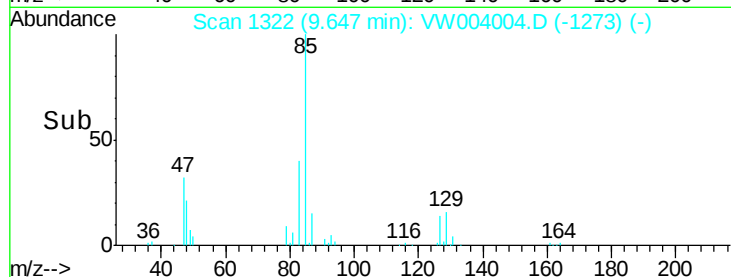
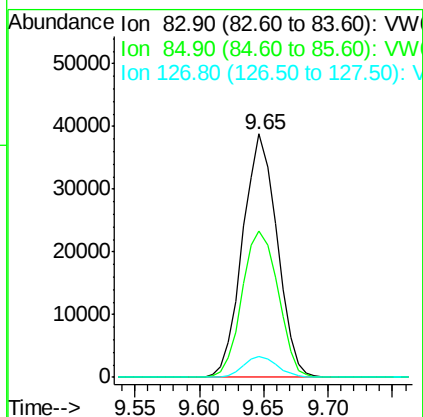
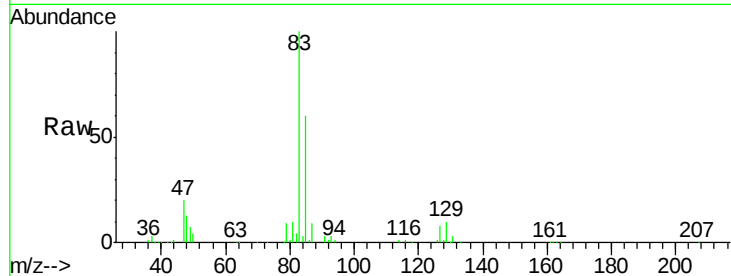
Tot Ion: 83 Resp: 71901

Ion Ratio Lower Upper

83 100

85 60.3 52.2 78.2

127 8.4 7.0 10.4



#48

Methyl methacrylate

Concen: 19.561 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

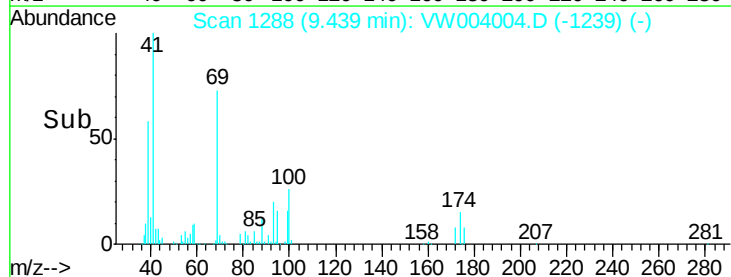
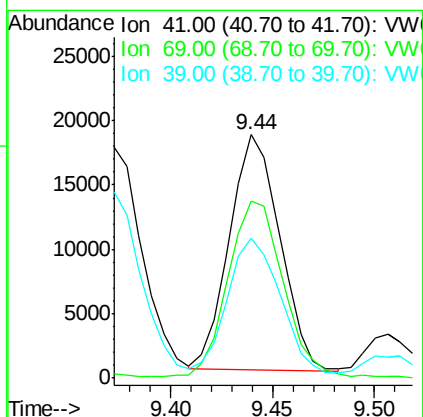
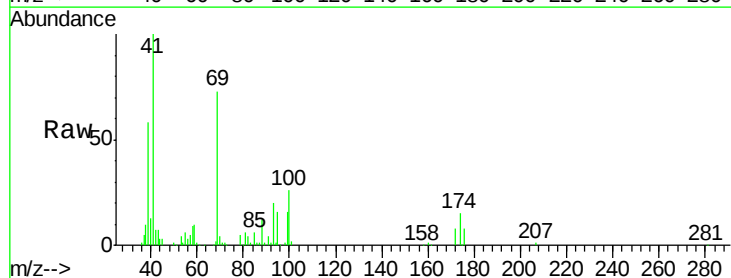
Tgt Ion: 41 Resp: 31465

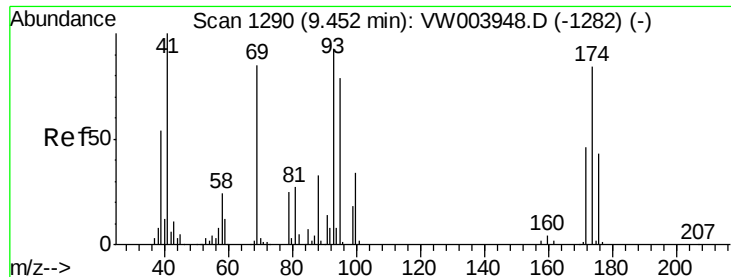
Ion Ratio Lower Upper

41 100

69 83.5 67.0 100.6

39 63.6 48.8 73.2

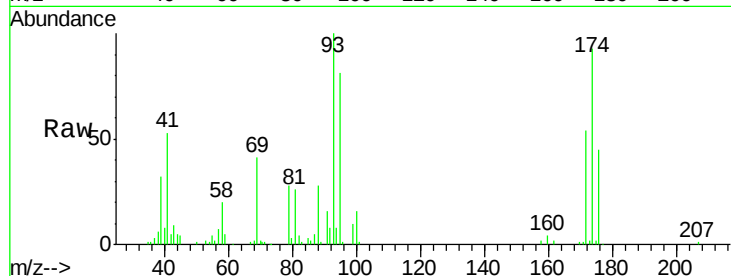




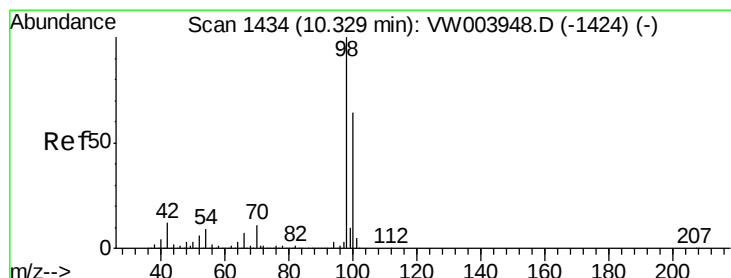
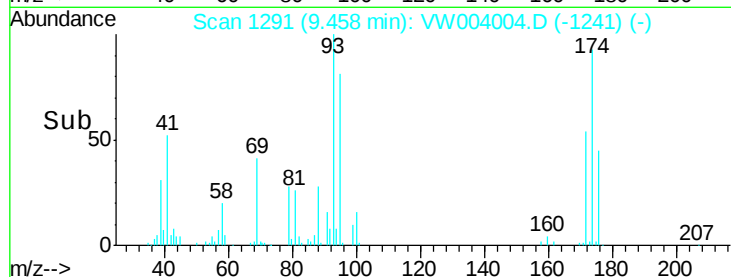
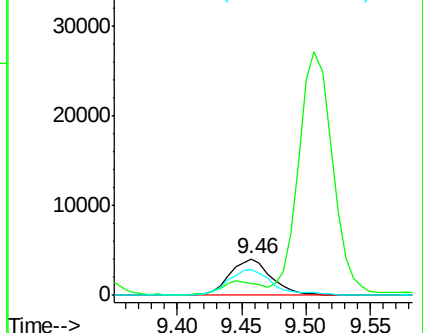
#49
1,4-Dioxane
Concen: 435.221 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

Tot Ion: 88 Resp: 9063
Ion Ratio Lower Upper
88 100
43 33.5 27.3 40.9
58 77.5 61.1 91.7

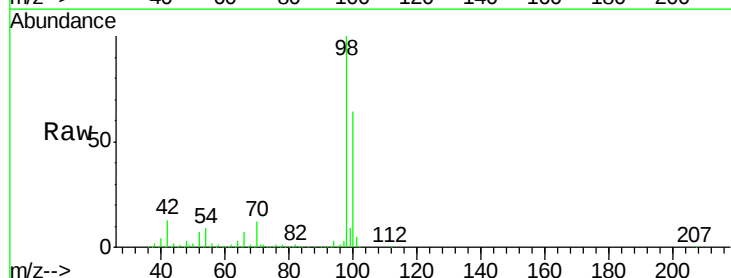


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

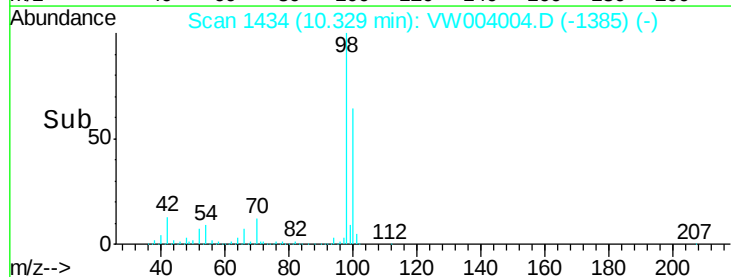
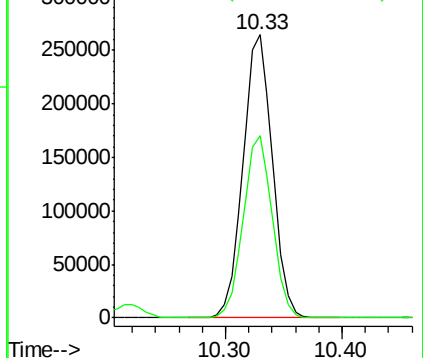


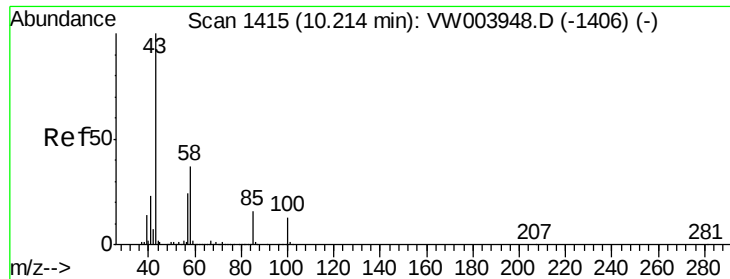
#50
Toluene-d8
Concen: 52.143 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 98 Resp: 465202
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



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

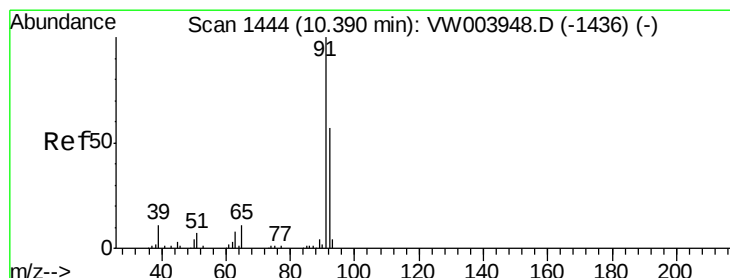
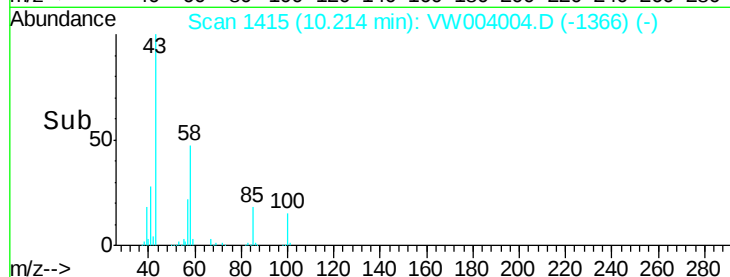
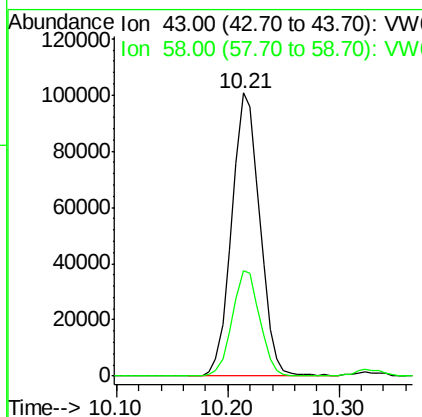
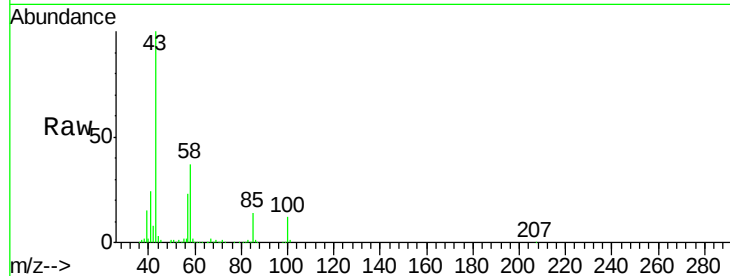




#51
 4-Methyl-2-Pentanone
 Concen: 99.121 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

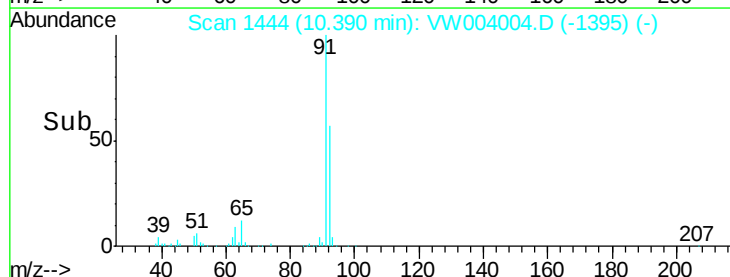
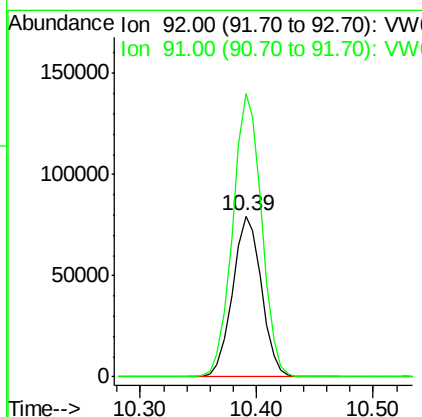
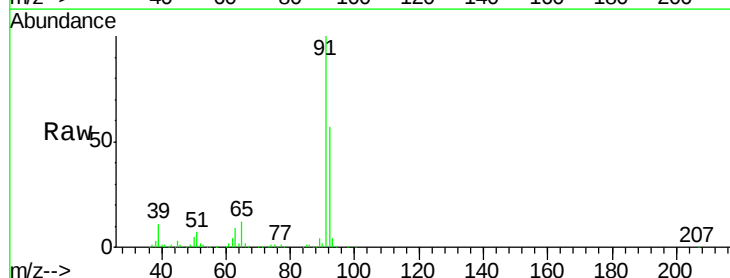
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

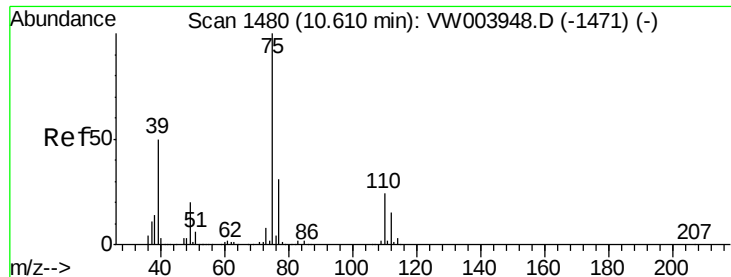
Tot Ion: 43 Resp: 175644
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.9 44.9



#52
 Toluene
 Concen: 21.639 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 92 Resp: 136872
 Ion Ratio Lower Upper
 92 100
 91 176.4 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 19.611 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

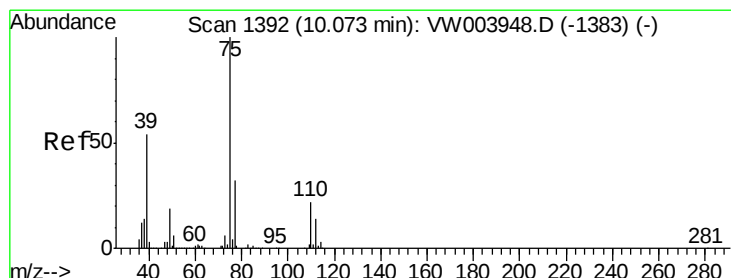
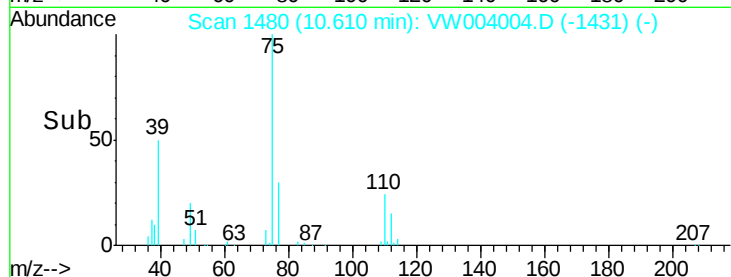
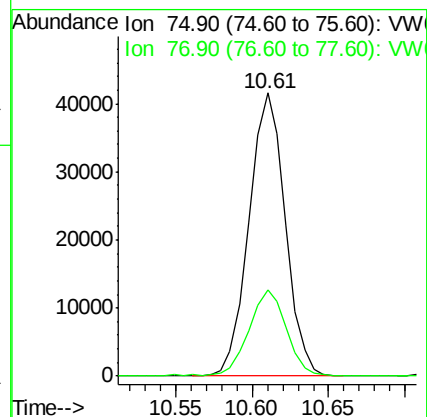
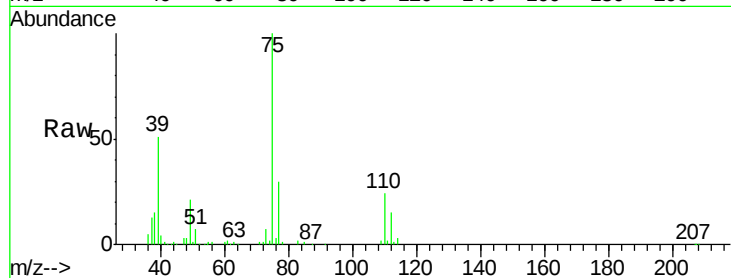
VW0717SBSD02

Tot Ion: 75 Resp: 68489

Ion Ratio Lower Upper

75 100

77 29.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.453 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

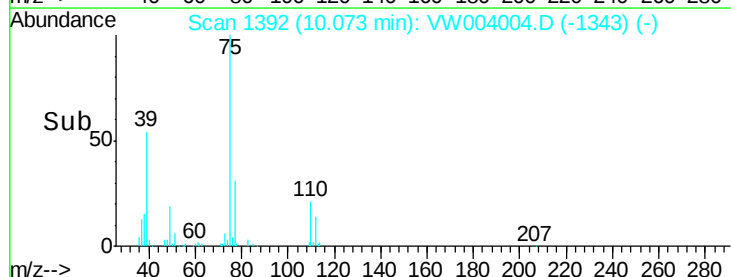
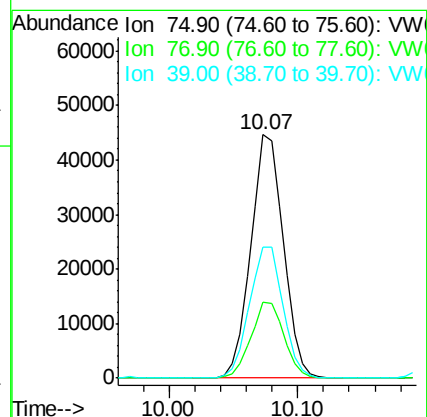
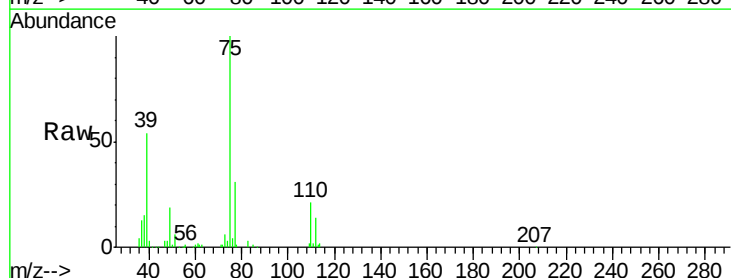
Tgt Ion: 75 Resp: 77715

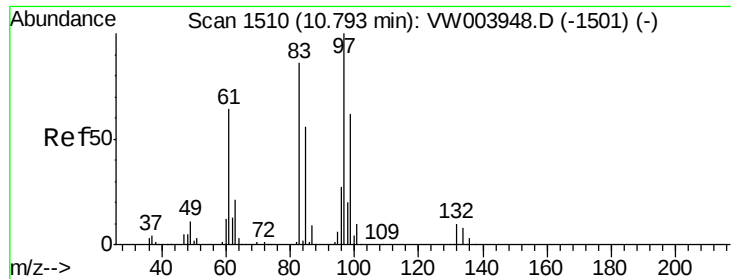
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2

39 54.0 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 21.291 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBSD02

Tot Ion: 97 Resp: 40566

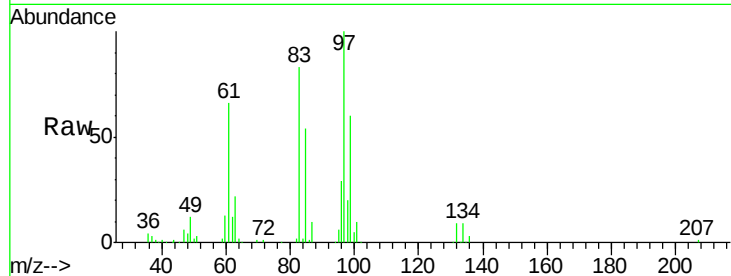
Ion	Ratio	Lower	Upper
97	100		
83	82.2	69.0	103.4
85	54.2	45.0	67.6
99	60.1	49.9	74.9

97 100

83 82.2 69.0 103.4

85 54.2 45.0 67.6

99 60.1 49.9 74.9

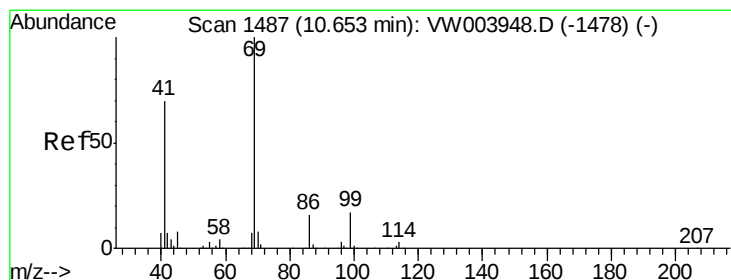
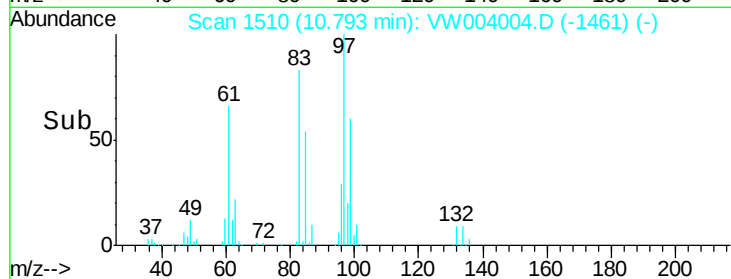
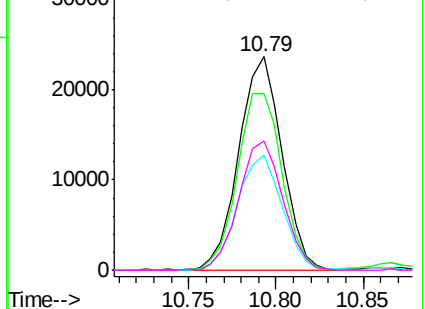


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 18.841 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

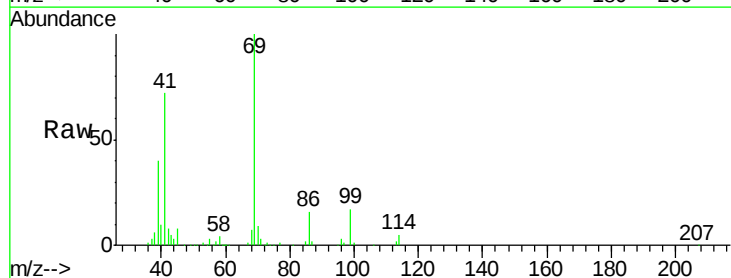
Tgt Ion: 69 Resp: 46030

Ion	Ratio	Lower	Upper
69	100		
41	77.5	56.5	84.7
39	37.3	30.2	45.4

69 100

41 77.5 56.5 84.7

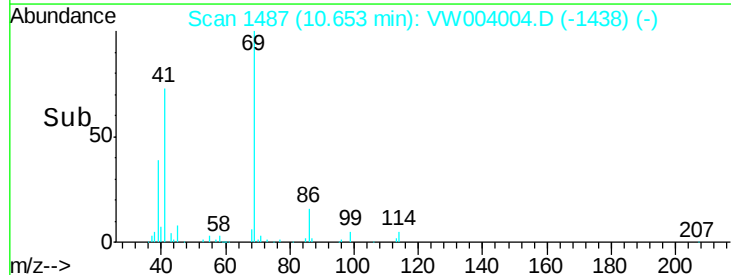
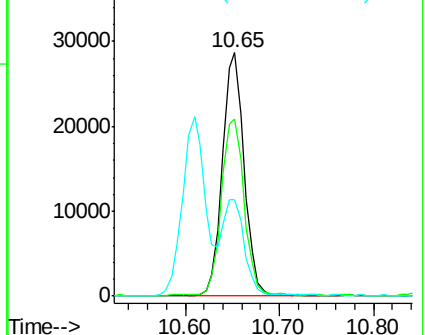
39 37.3 30.2 45.4

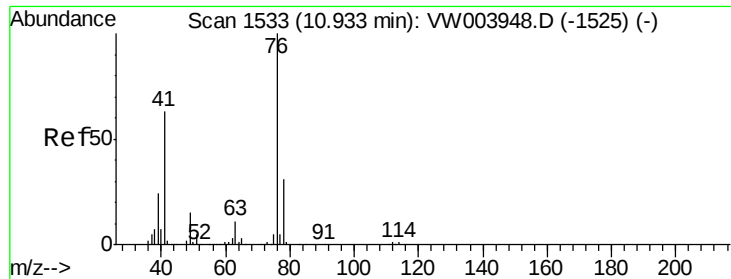


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

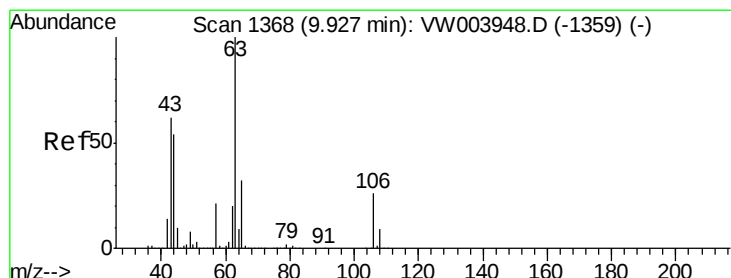
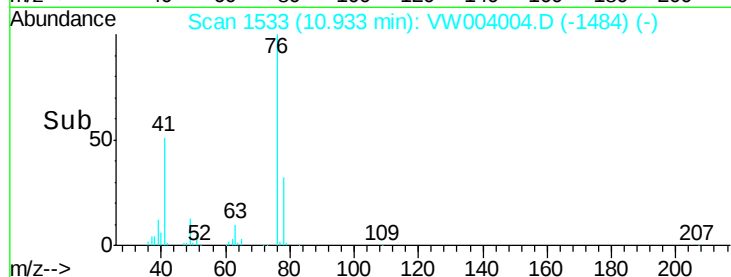
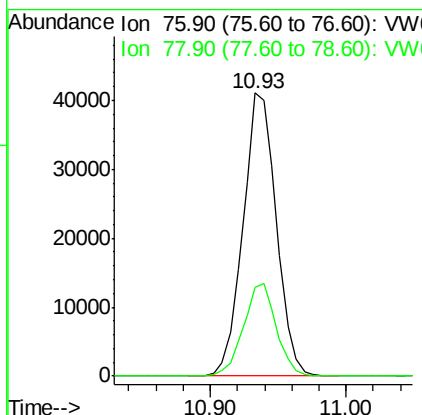
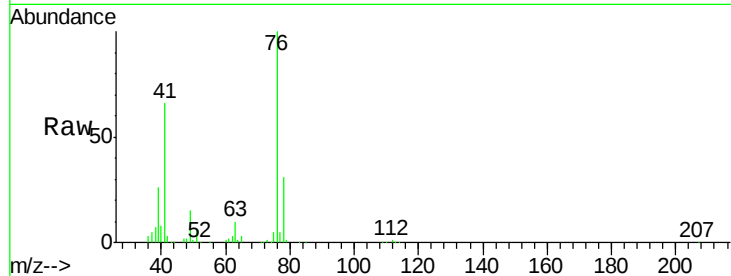




#57
 1,3-Dichloropropane
 Concen: 21.243 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

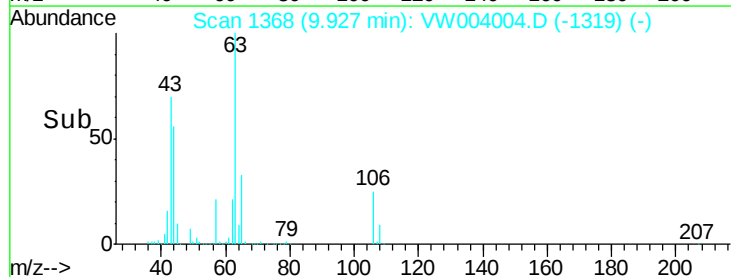
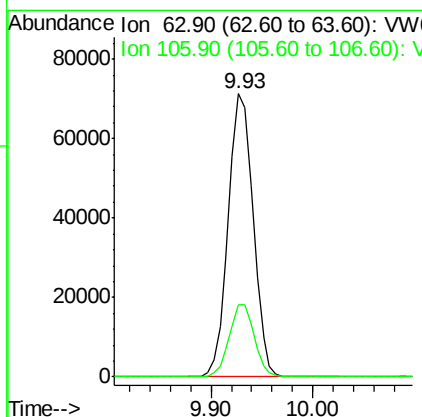
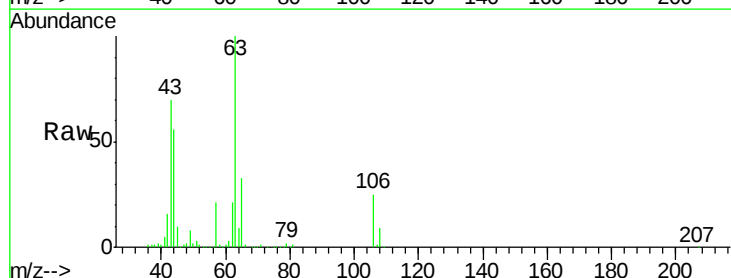
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

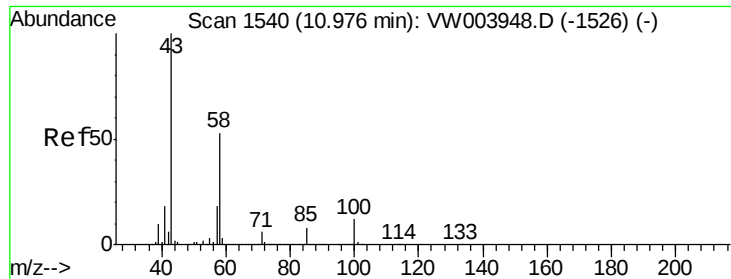
Tot Ion: 76 Resp: 70319
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.525 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 63 Resp: 120404
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.2 31.8

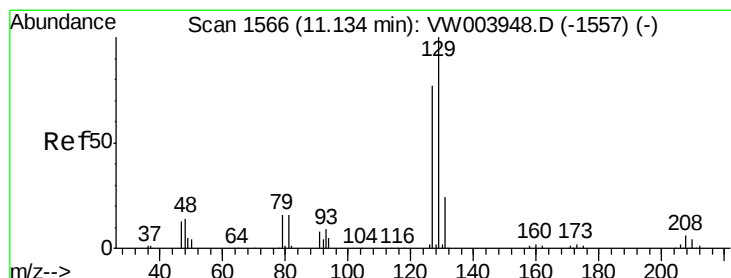
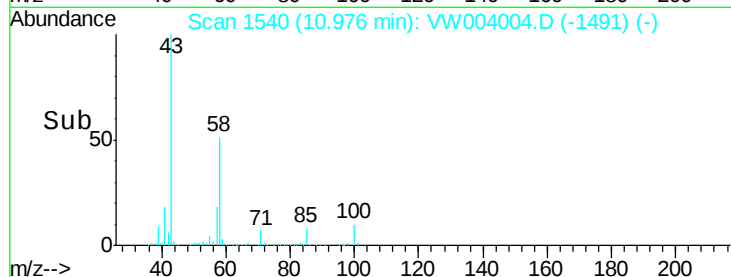
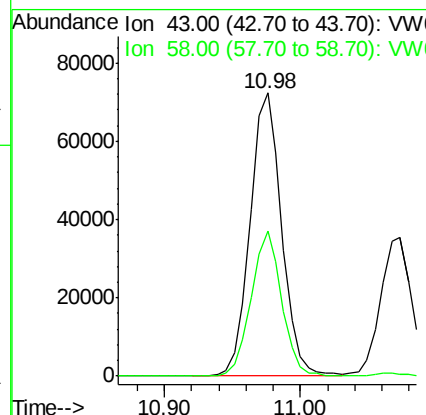
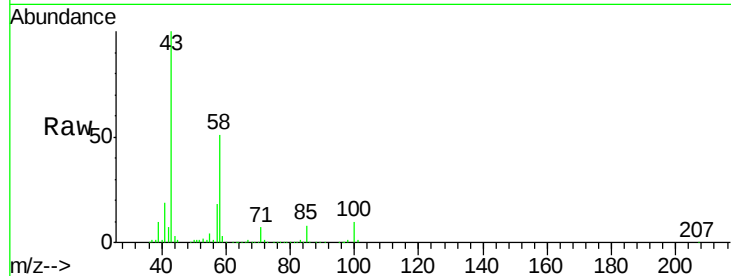




#59
2-Hexanone
Concen: 94.290 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

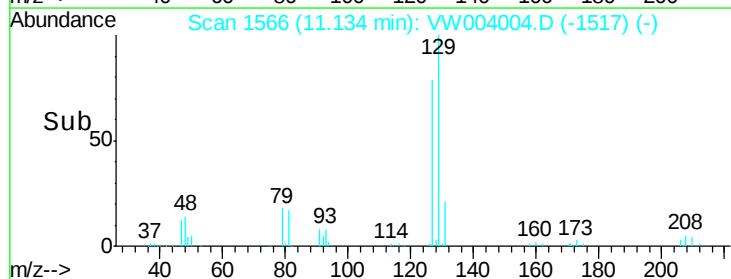
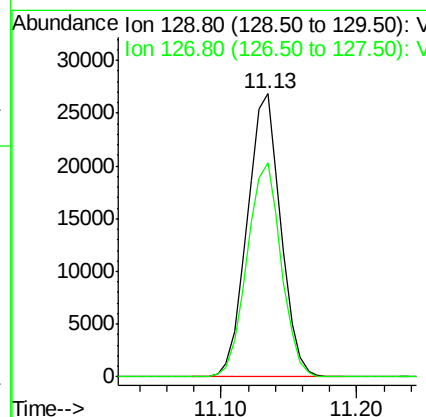
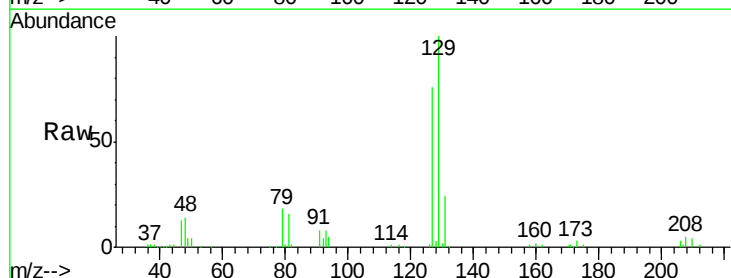
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

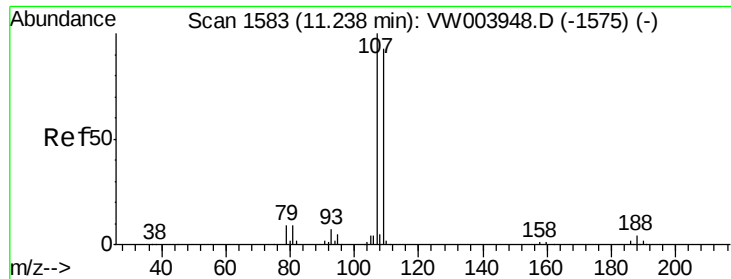
Tot Ion: 43 Resp: 117763
Ion Ratio Lower Upper
43 100
58 49.5 26.0 78.0



#60
Dibromochloromethane
Concen: 20.843 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 129 Resp: 46246
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.671 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

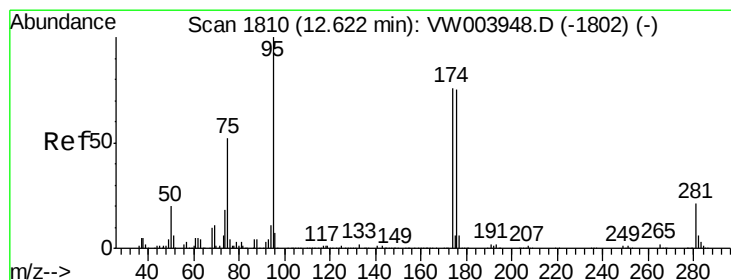
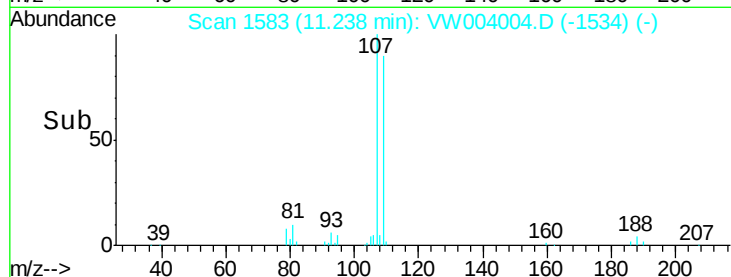
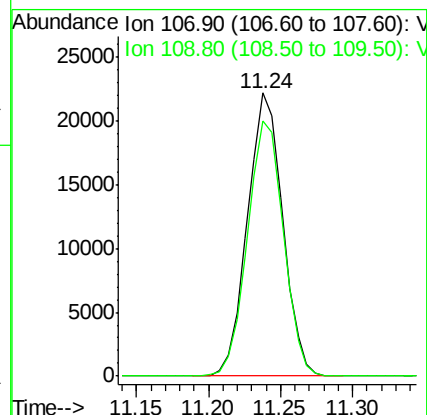
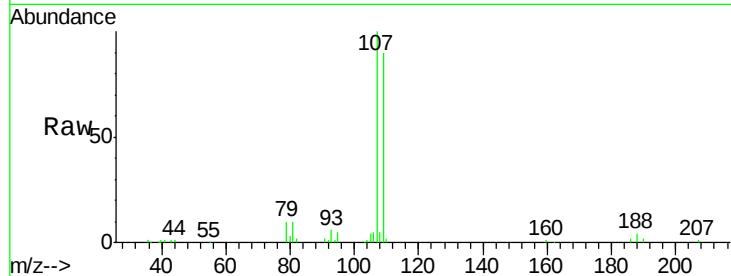
VW0717SBS02

Tot Ion: 107 Resp: 37475

Ion Ratio Lower Upper

107 100

109 92.3 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 50.682 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

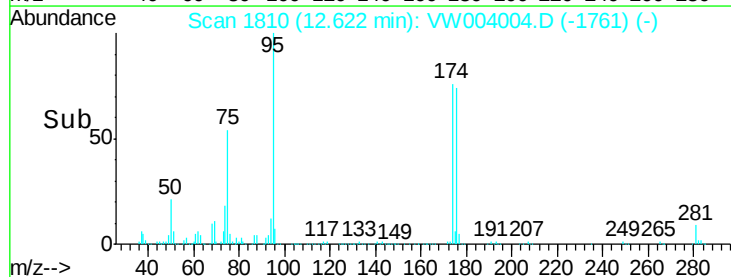
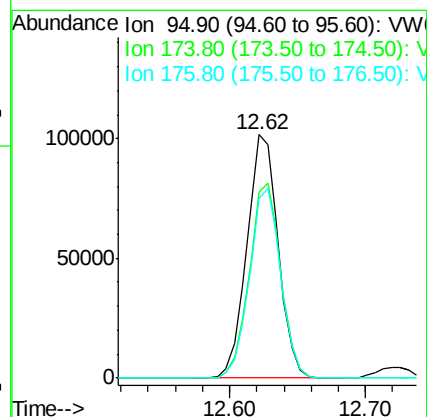
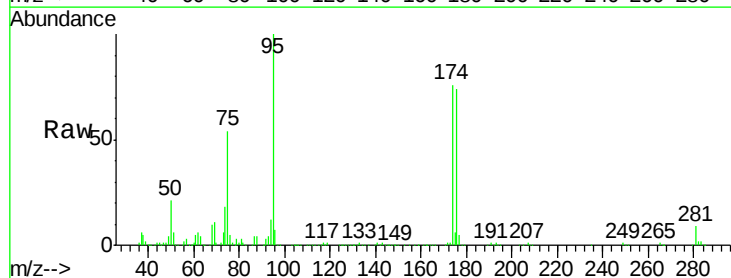
Tgt Ion: 95 Resp: 163053

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.2

176 77.9 0.0 155.8

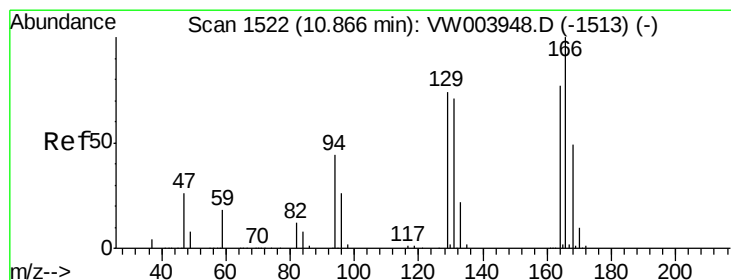
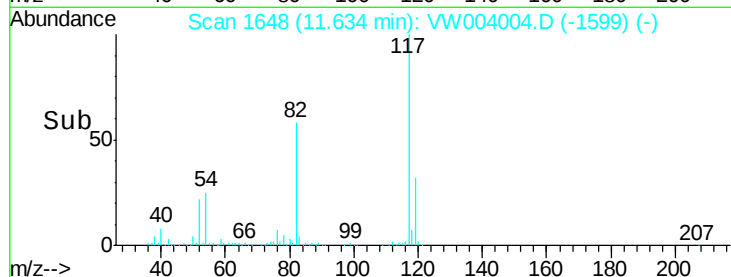
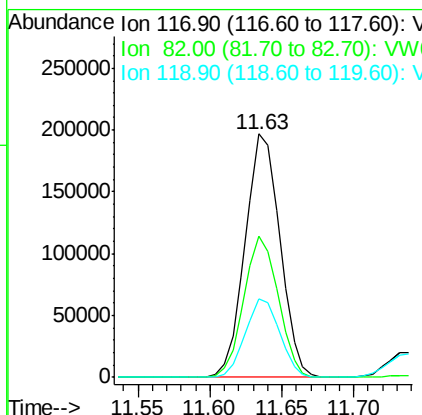
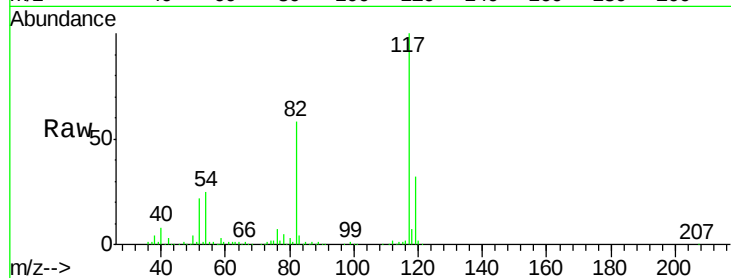




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

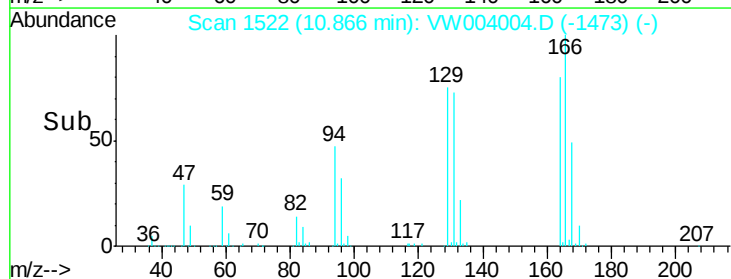
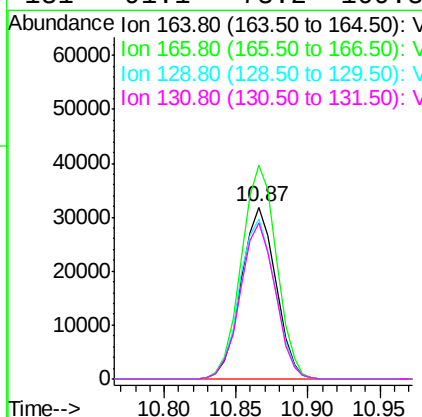
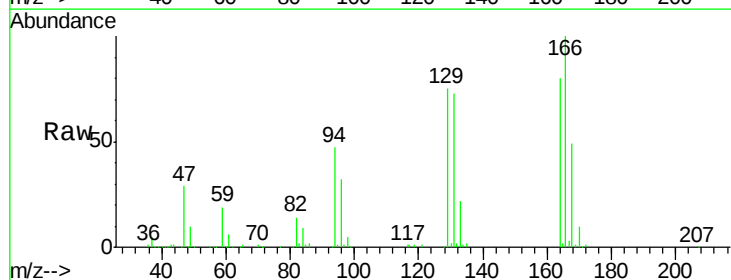
Instrument :
MSVOA_W
ClientSampled :
VW0717SBSD02

Tot Ion:117 Resp: 329299
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 23.505 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion:164 Resp: 53109
Ion Ratio Lower Upper
164 100
166 124.5 103.5 155.3
129 93.4 76.8 115.2
131 91.1 73.2 109.8

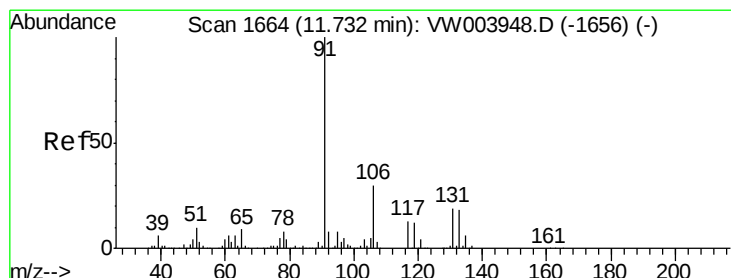
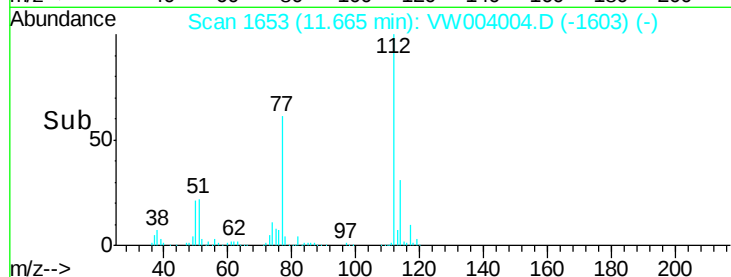
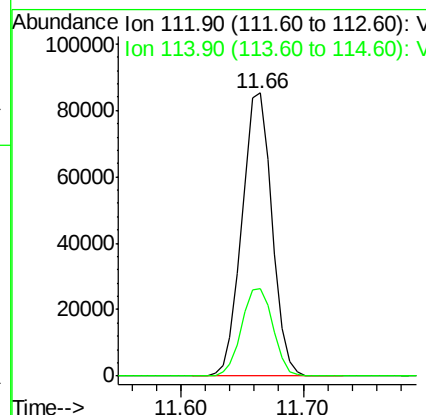
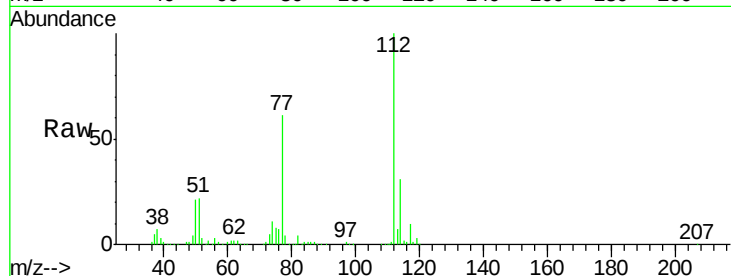




#65
Chlorobenzene
Concen: 20.667 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

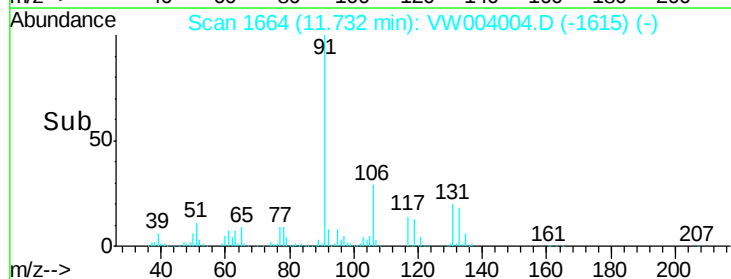
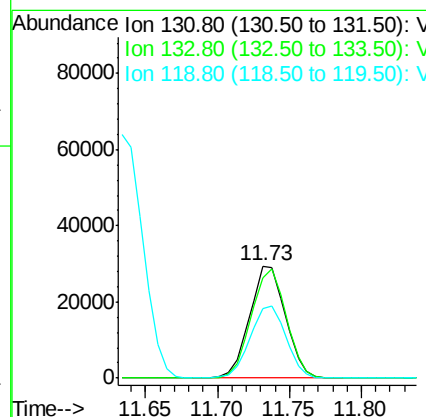
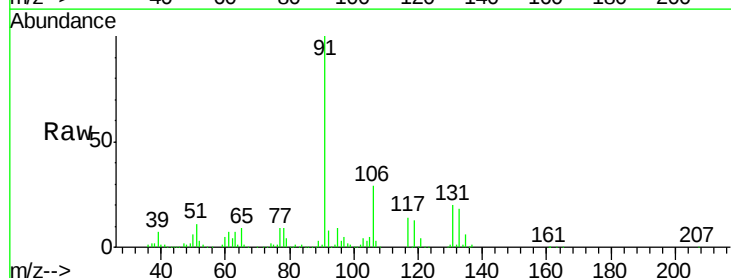
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

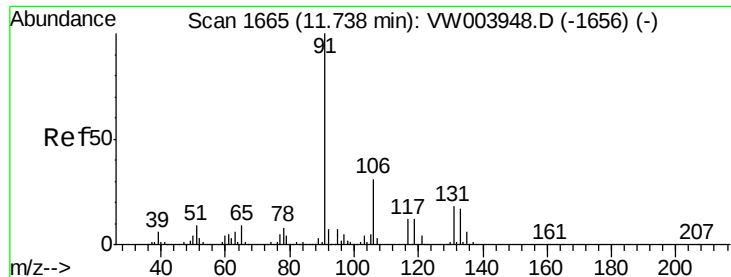
Tot Ion:112 Resp: 144717
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.753 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion:131 Resp: 50499
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 64.7 32.5 97.5

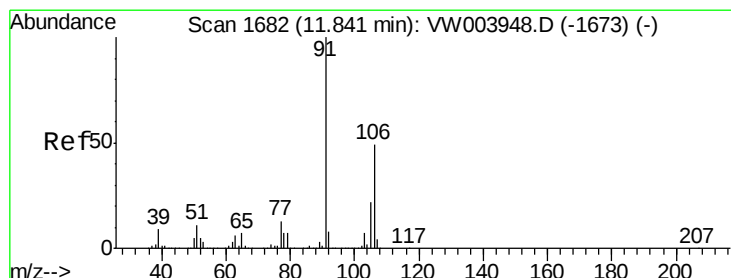
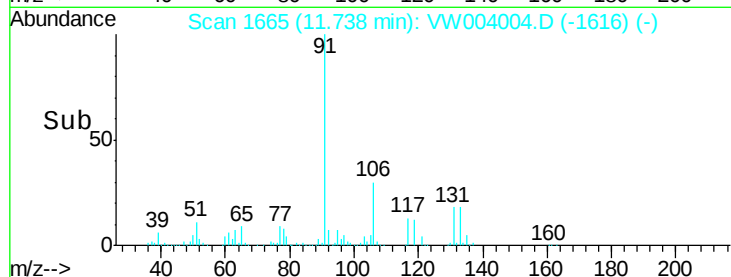
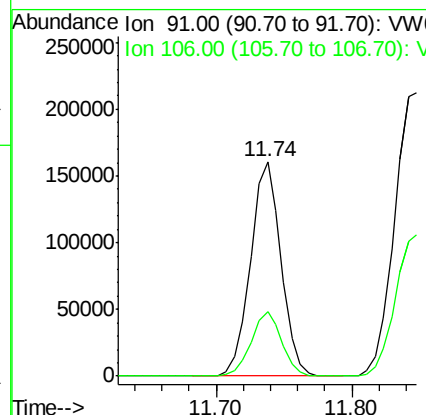
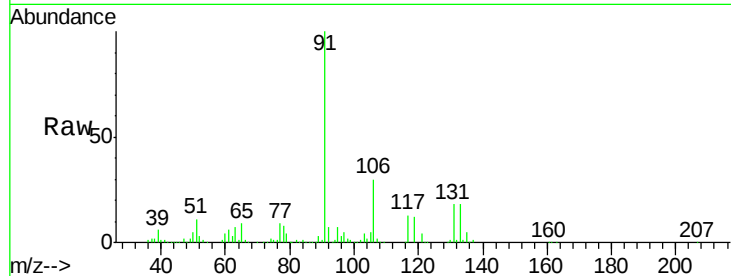




#67
Ethyl Benzene
Concen: 20.469 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

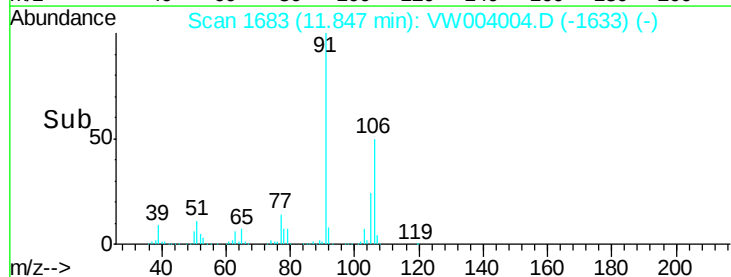
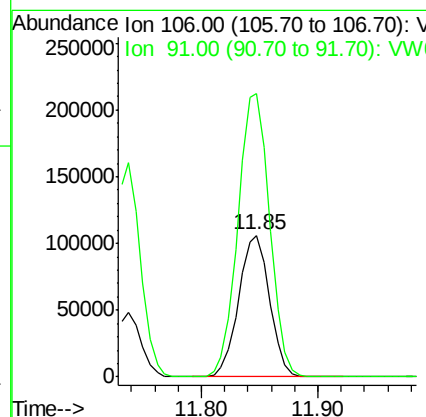
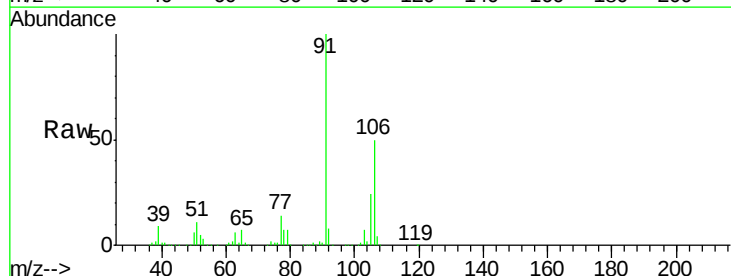
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

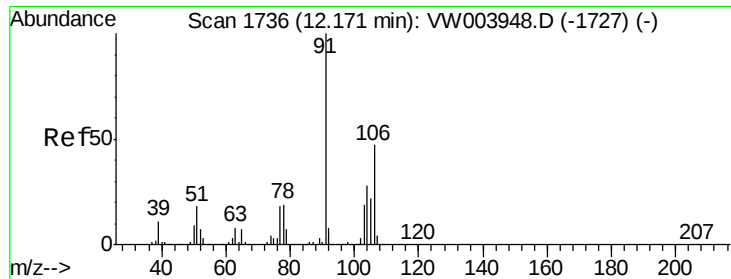
Tot Ion: 91 Resp: 251781
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 41.802 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 106 Resp: 196524
Ion Ratio Lower Upper
106 100
91 204.1 164.2 246.2

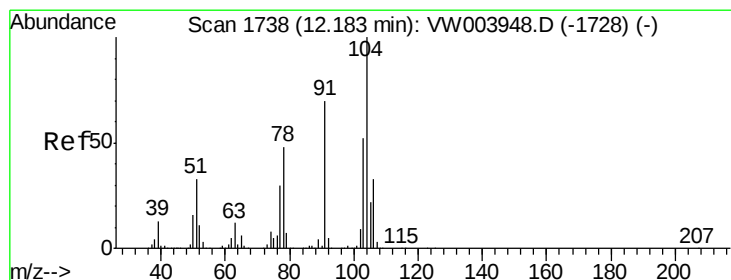
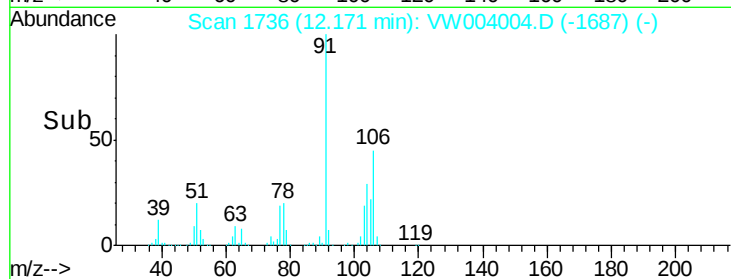
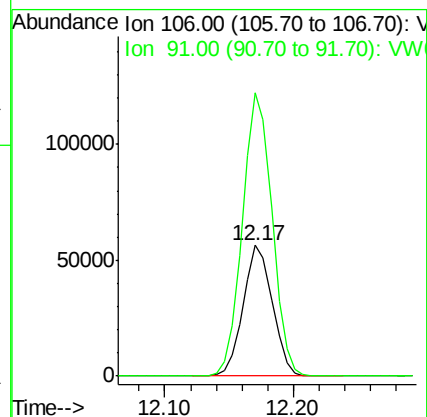
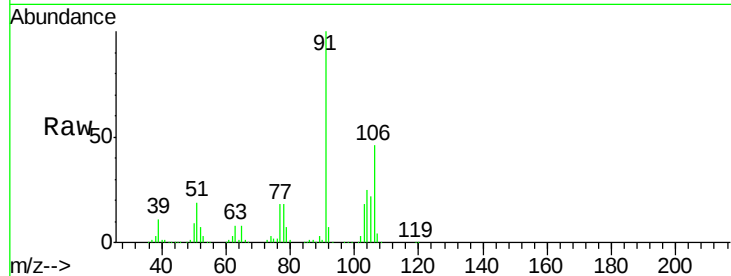




#69
o-Xylene
Concen: 20.293 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

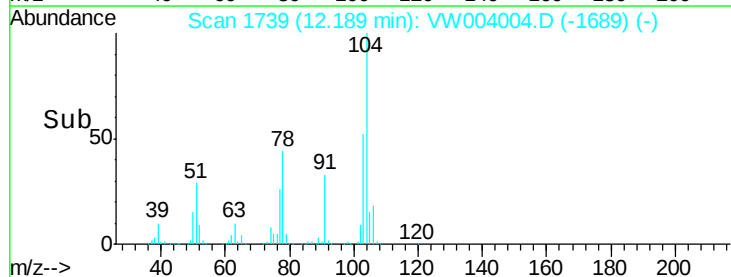
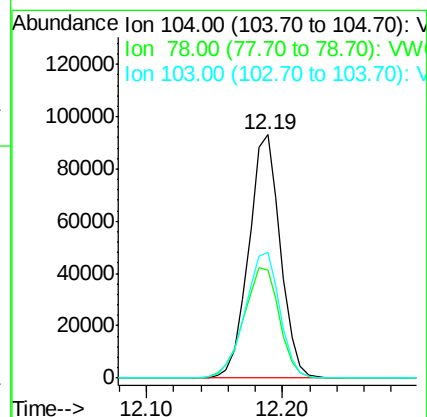
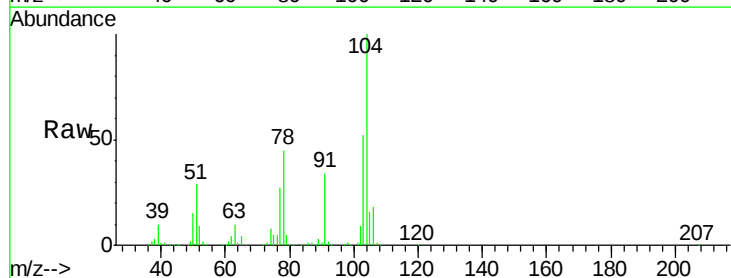
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

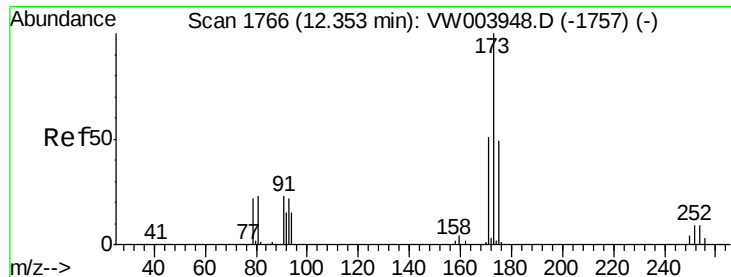
Tot Ion:106 Resp: 88498
Ion Ratio Lower Upper
106 100
91 219.7 107.5 322.6



#70
Styrene
Concen: 20.799 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion:104 Resp: 151503
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 56.6 44.6 67.0





#71

Bromoform

Concen: 19.609 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBSD02

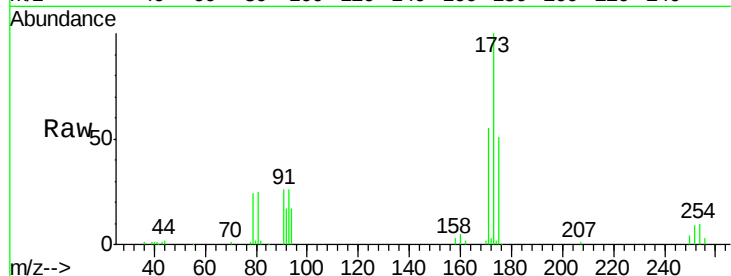
Tot Ion:173 Resp: 26940

Ion Ratio Lower Upper

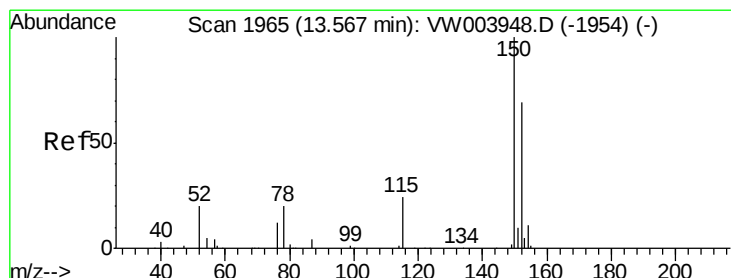
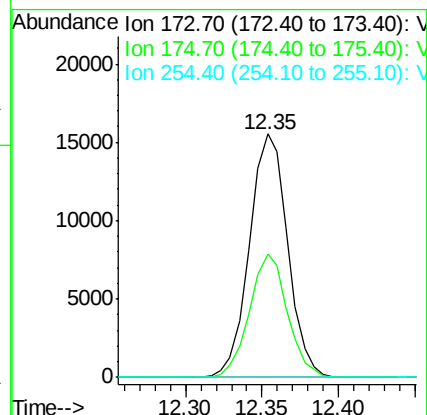
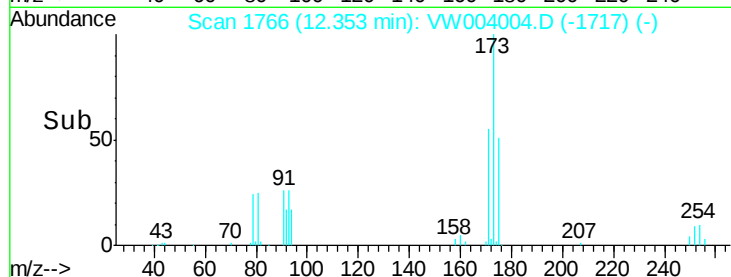
173 100

175 50.1 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: VW004004.D

Acq: 18 Jul 2018 01:43

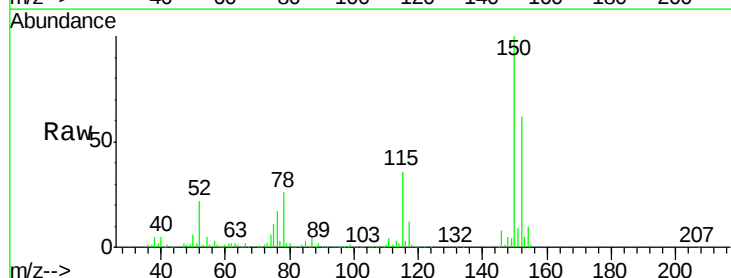
Tgt Ion:152 Resp: 172507

Ion Ratio Lower Upper

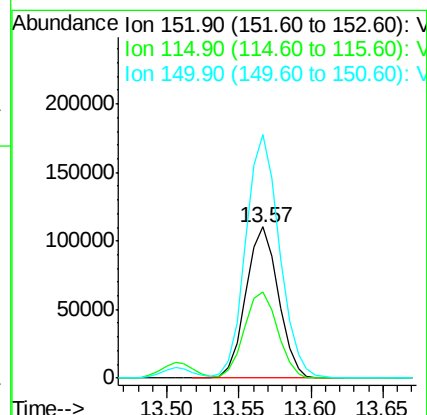
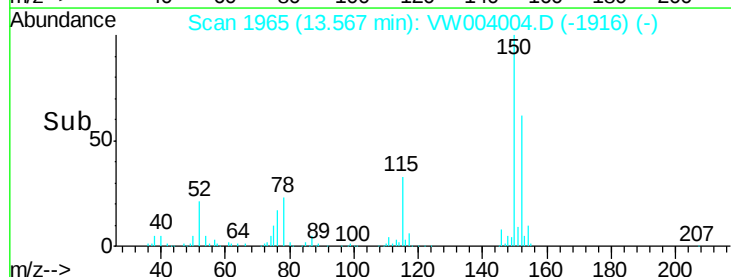
152 100

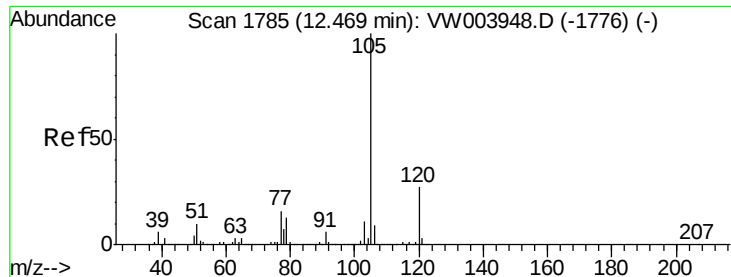
115 58.7 29.2 87.6

150 166.9 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: 20.098 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

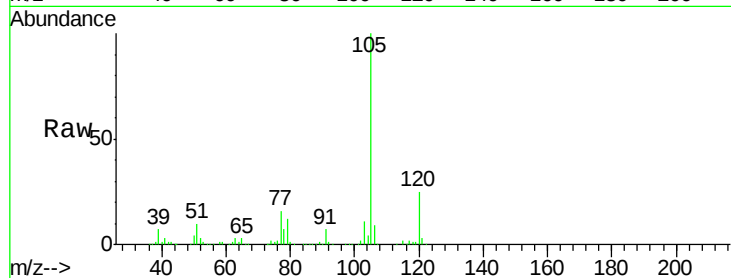
VW0717SBSD02

Tot Ion:105 Resp: 244986

Ion Ratio Lower Upper

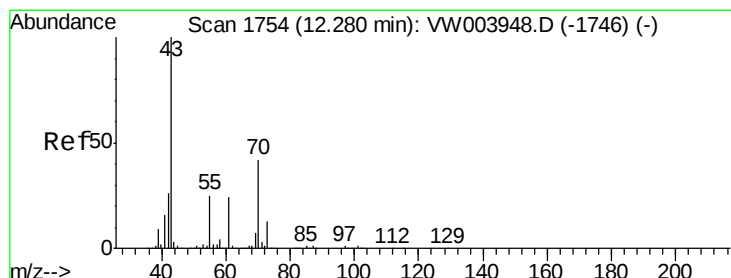
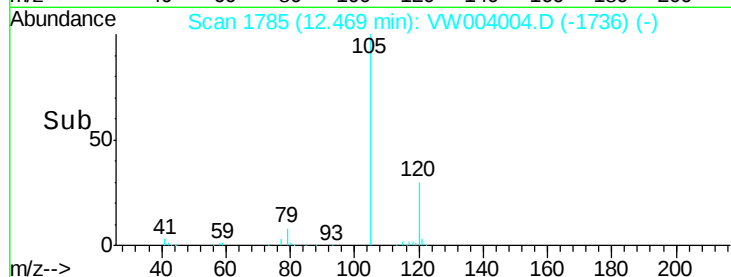
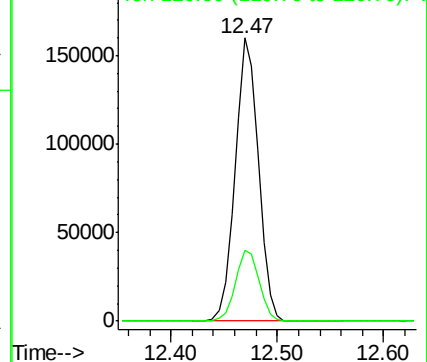
105 100

120 25.7 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: 19.141 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion: 43 Resp: 60795

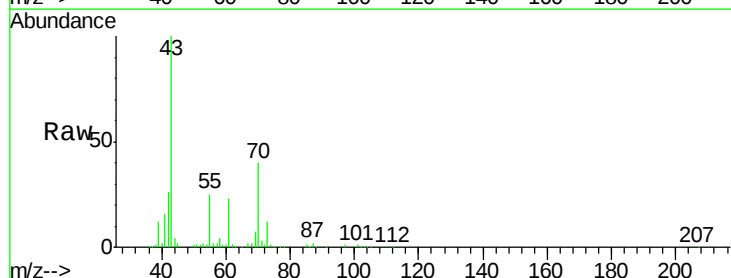
Ion Ratio Lower Upper

43 100

70 40.1 31.6 47.4

55 26.5 20.0 30.0

61 22.3 18.5 27.7

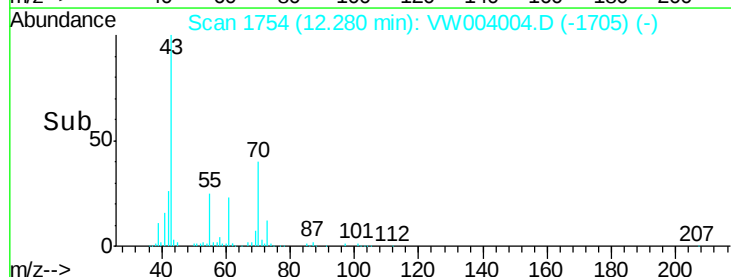
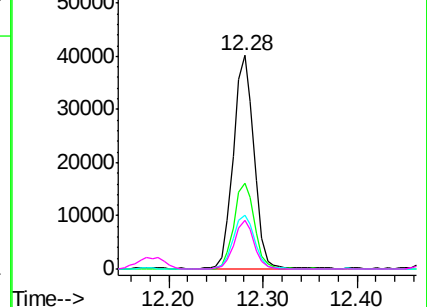


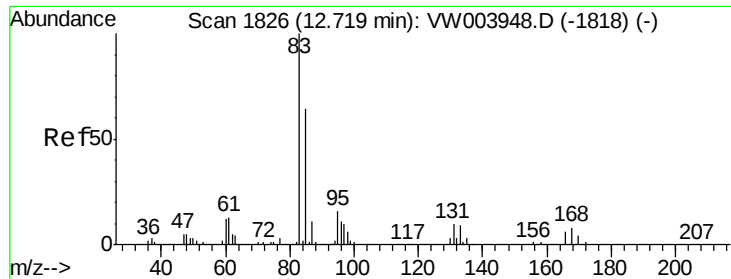
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 19.992 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBSD02

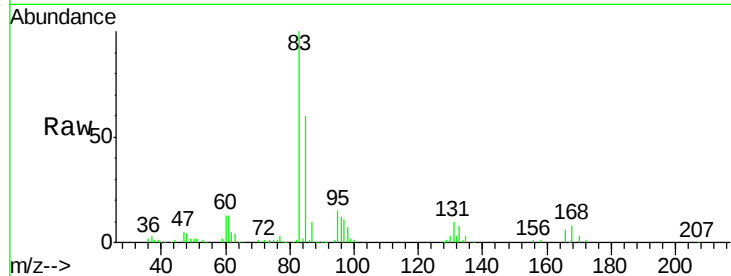
Tot Ion: 83 Resp: 47130

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

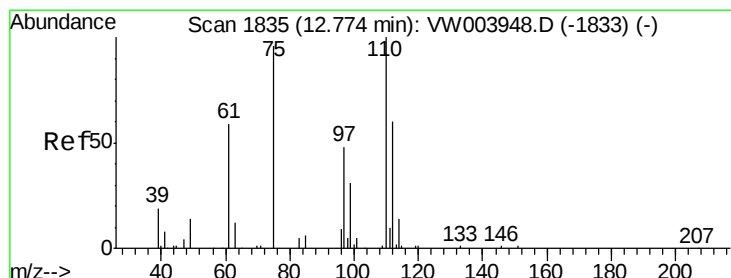
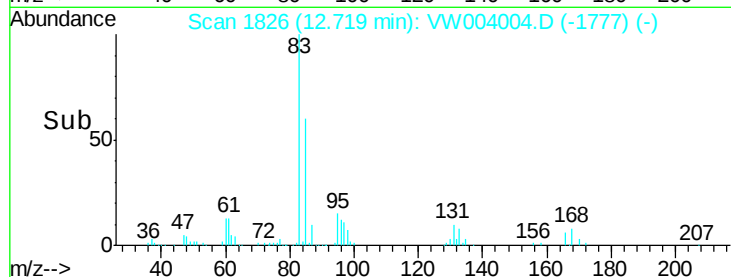
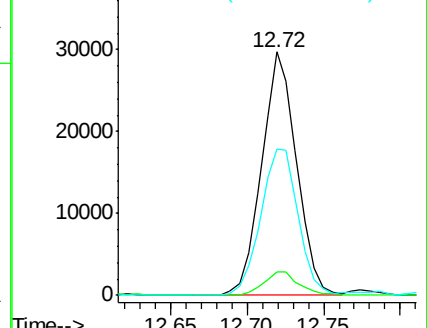
85 64.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.721 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004004.D

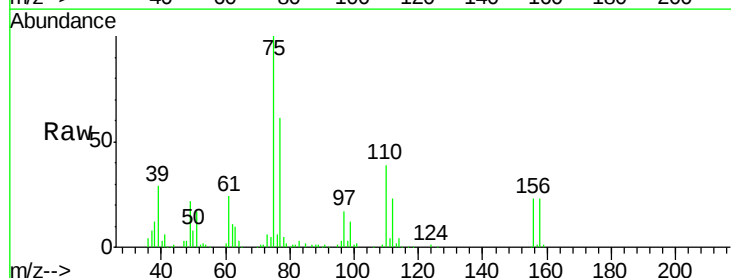
Acq: 18 Jul 2018 01:43

Tgt Ion: 75 Resp: 62888

Ion Ratio Lower Upper

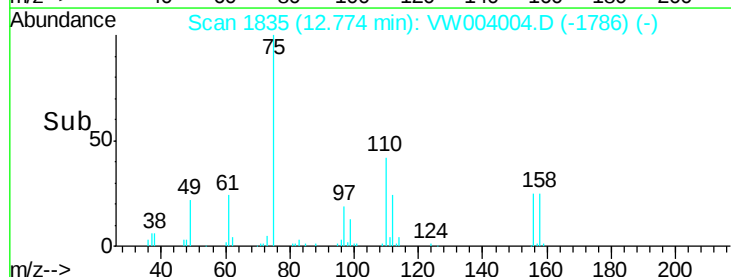
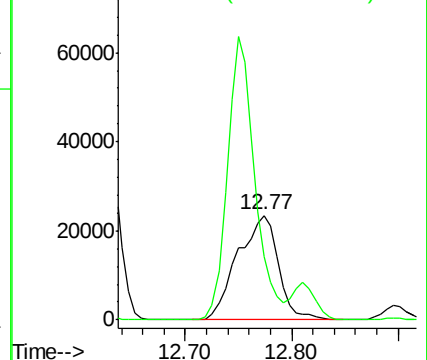
75 100

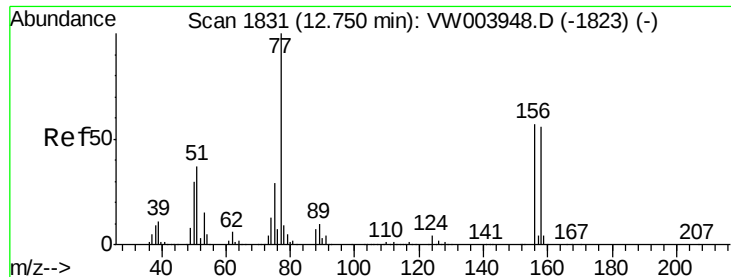
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

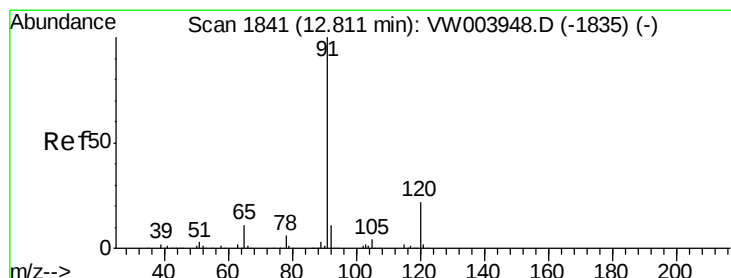
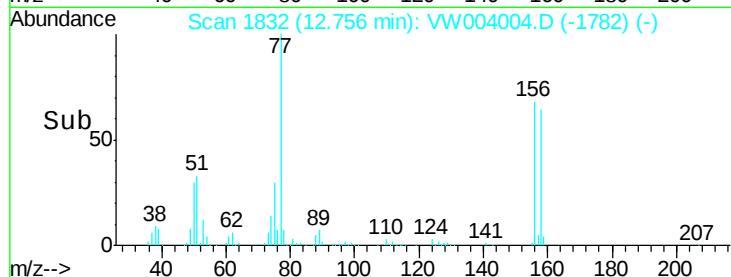
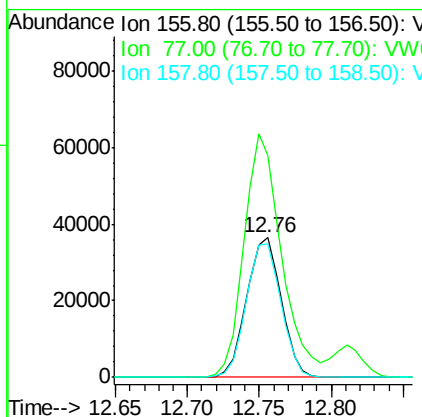
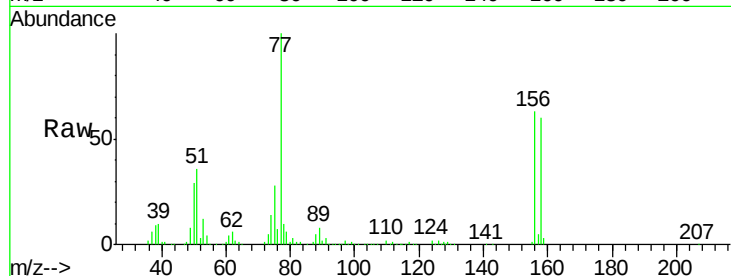




#77
Bromobenzene
Concen: 20.643 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

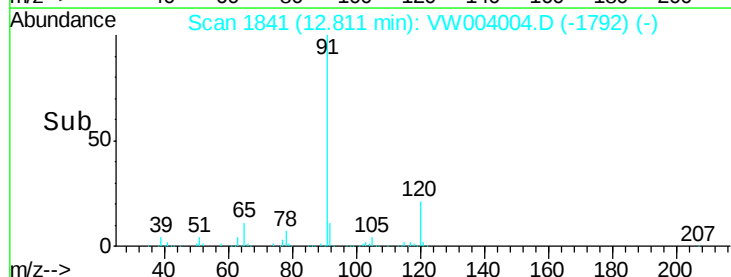
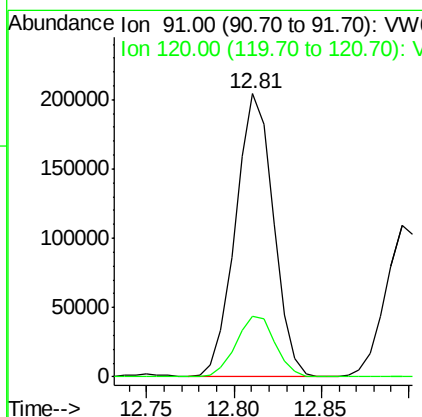
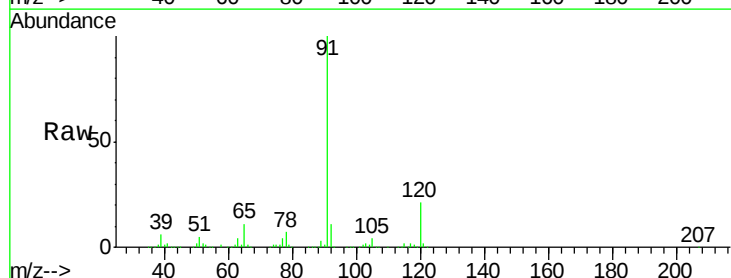
Instrument :
MSVOA_W
ClientSampled :
VW0717SBSD02

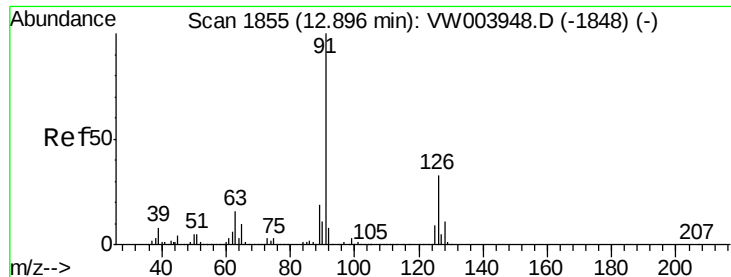
Tot Ion:156 Resp: 60213
Ion Ratio Lower Upper
156 100
77 189.3 96.2 288.6
158 96.6 48.5 145.5



#78
n-propylbenzene
Concen: 20.616 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 91 Resp: 308304
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.6





#79

2-Chlorotoluene

Concen: 21.050 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

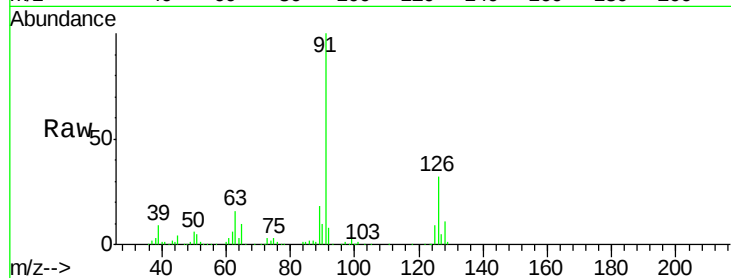
VW0717SBS02

Tot Ion: 91 Resp: 177545

Ion Ratio Lower Upper

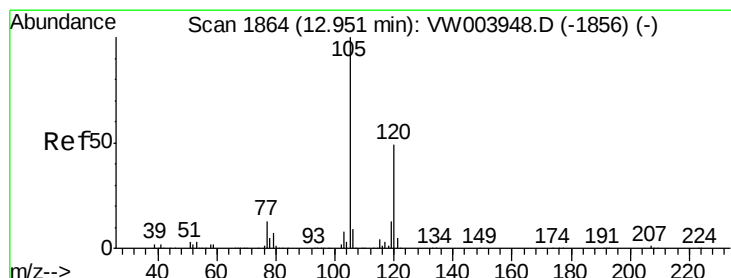
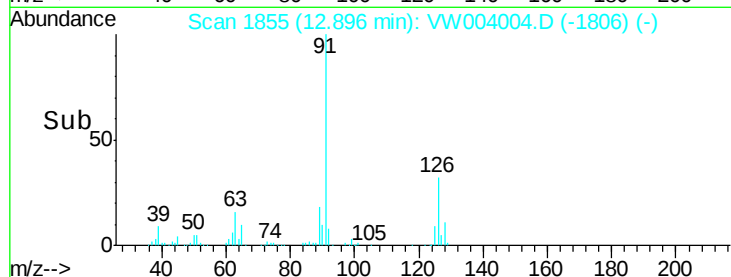
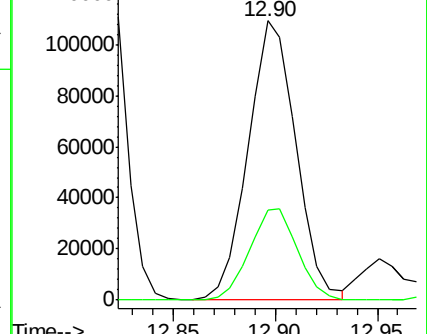
91 100

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: 20.614 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004004.D

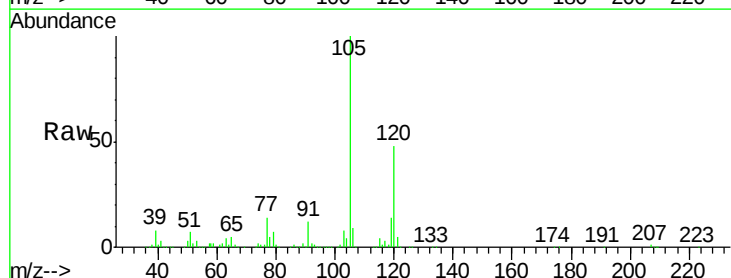
Acq: 18 Jul 2018 01:43

Tgt Ion:105 Resp: 211468

Ion Ratio Lower Upper

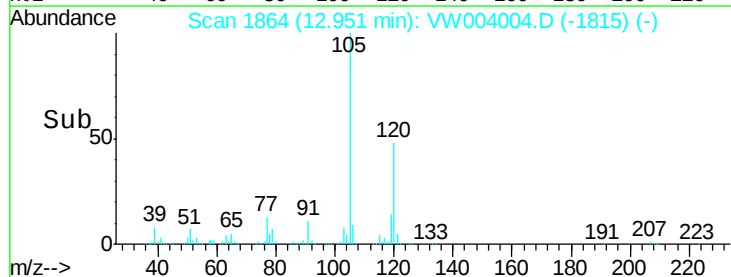
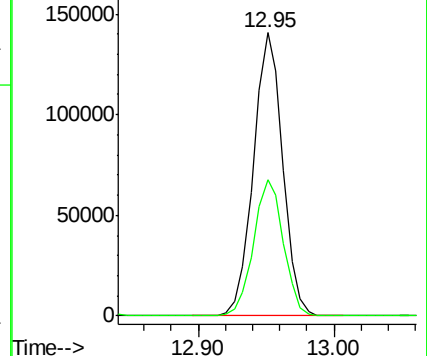
105 100

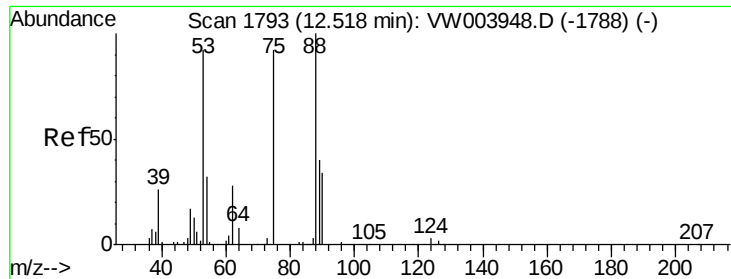
120 49.3 24.4 73.2



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: 16.450 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

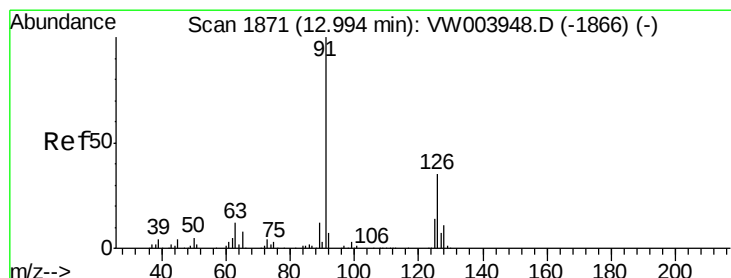
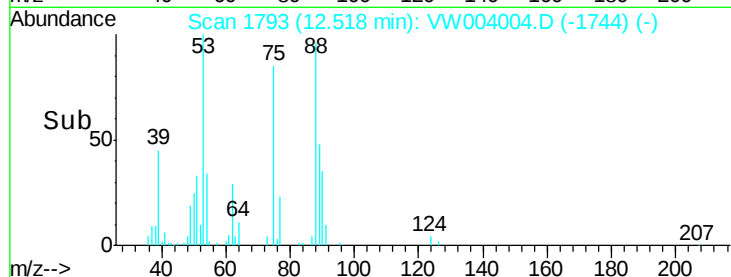
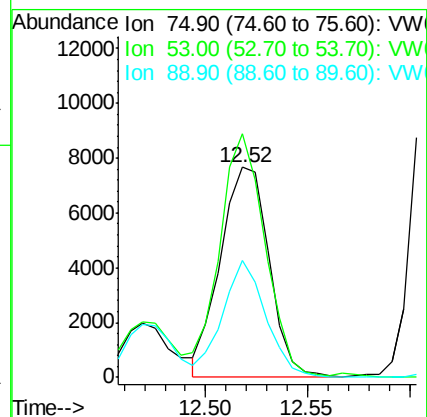
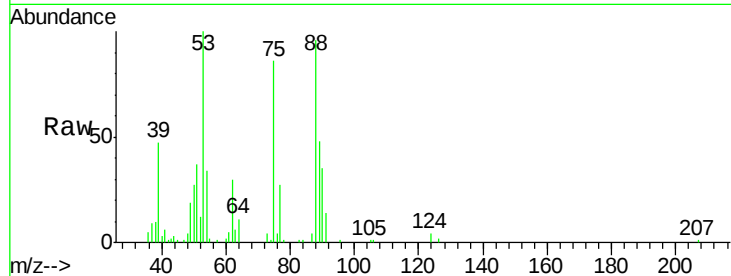
Tot Ion: 75 Resp: 12736

Ion Ratio Lower Upper

75 100

53 108.2 77.6 116.4

89 49.3 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.774 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004004.D

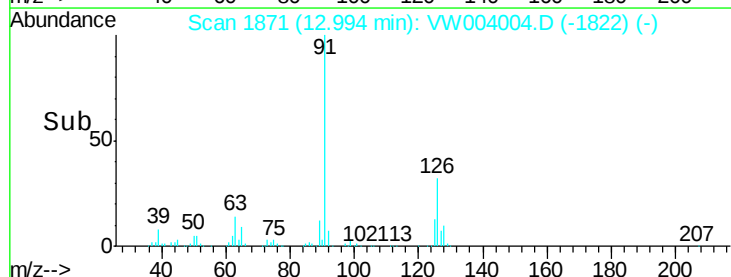
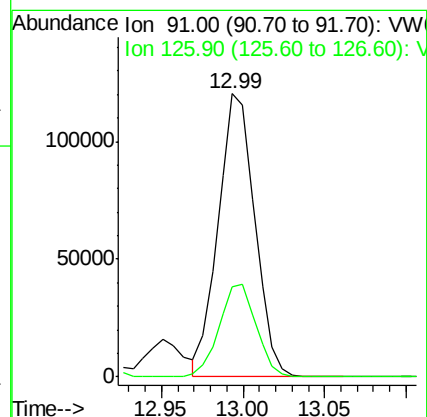
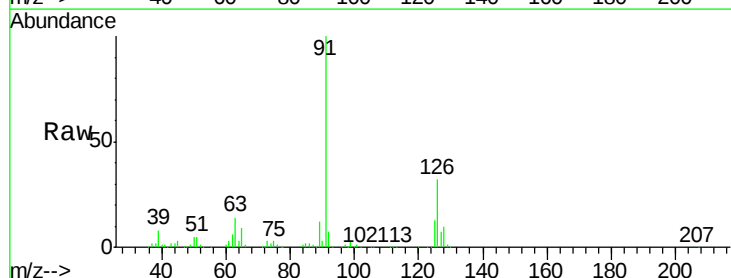
Acq: 18 Jul 2018 01:43

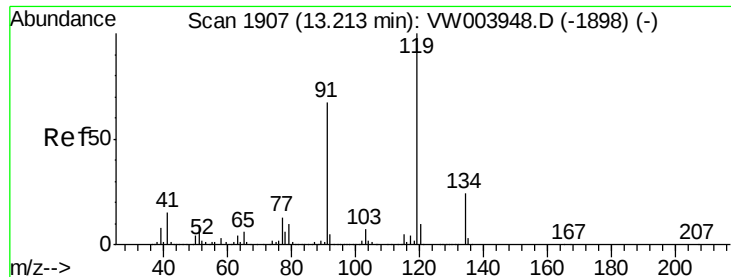
Tgt Ion: 91 Resp: 188033

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.0

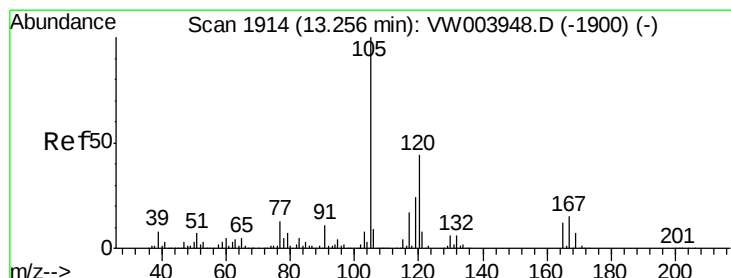
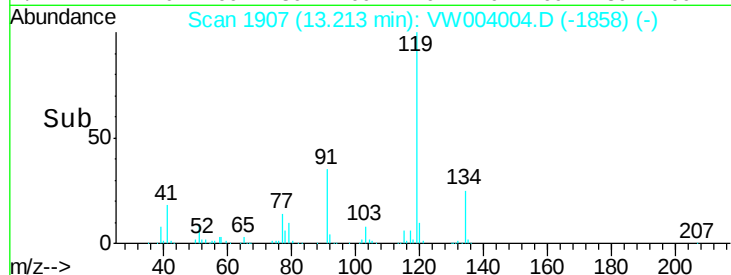
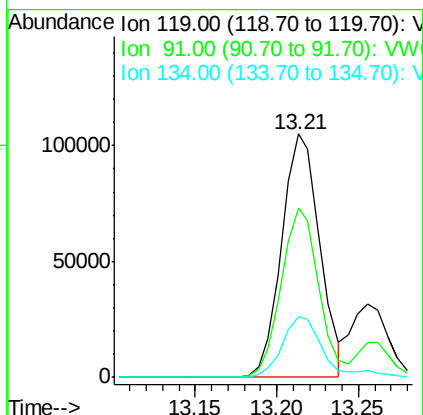
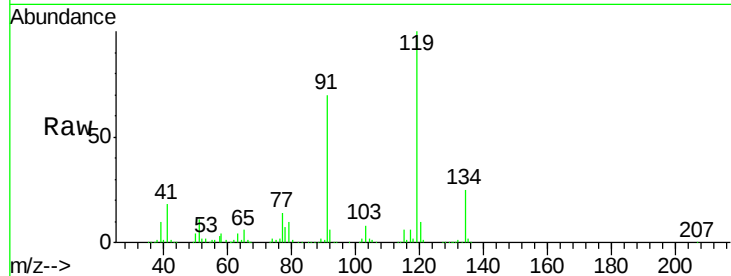




#83
tert-Butylbenzene
Concen: 19.782 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

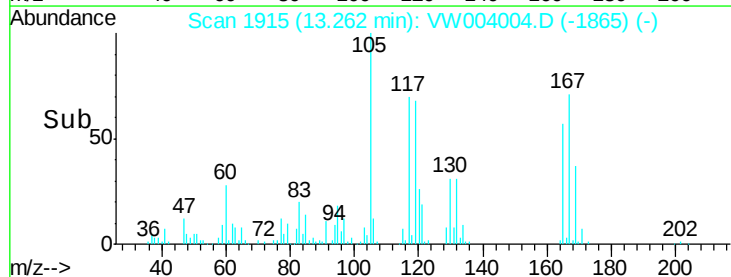
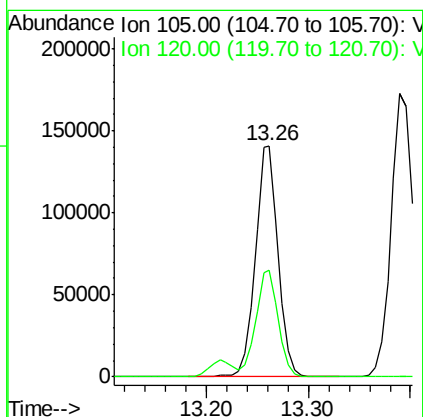
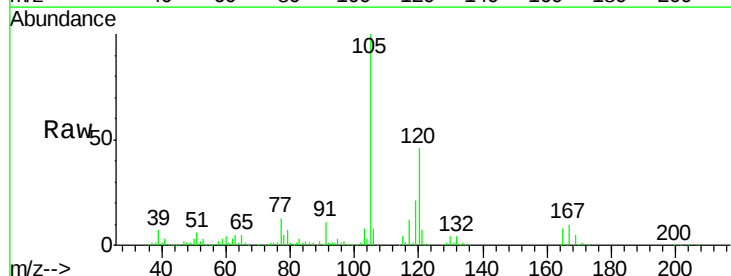
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

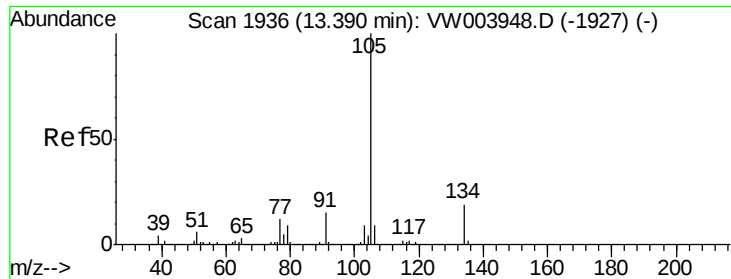
Tot Ion:119 Resp: 170372
Ion Ratio Lower Upper
119 100
91 69.1 33.2 99.6
134 27.0 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.767 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion:105 Resp: 219177
Ion Ratio Lower Upper
105 100
120 45.4 22.1 66.1

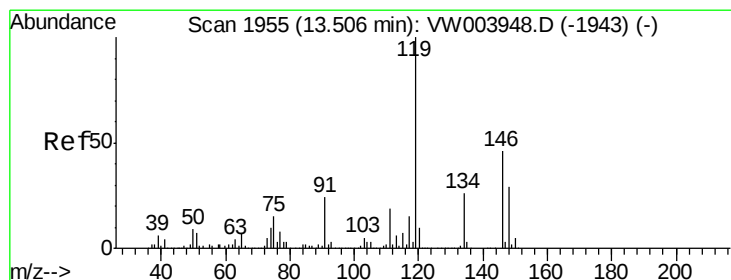
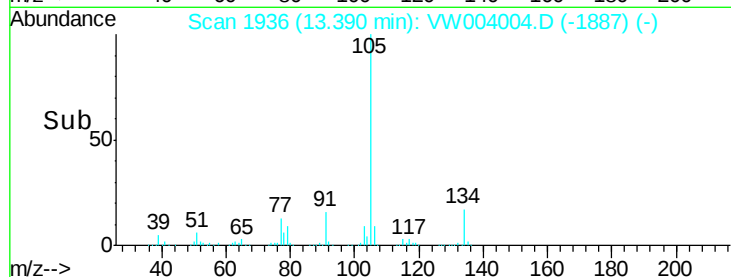
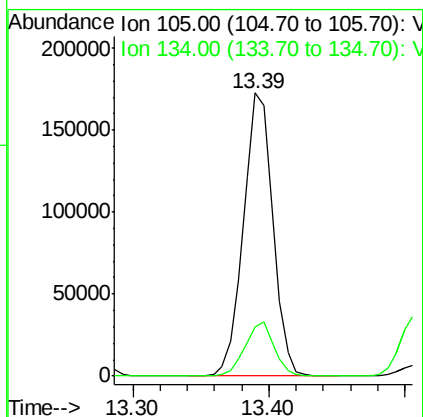
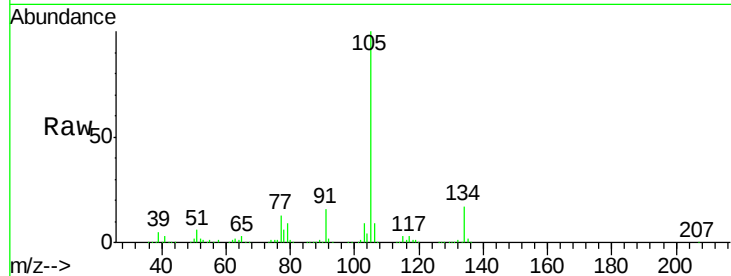




#85
 sec-Butylbenzene
 Concen: 20.455 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

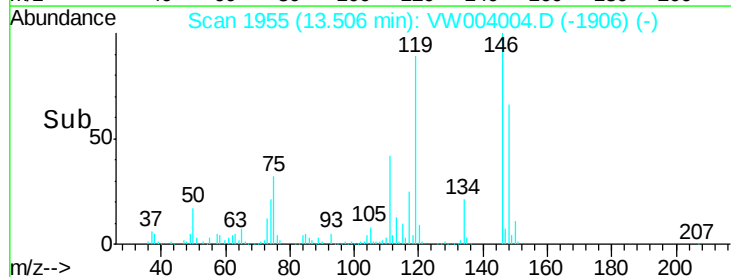
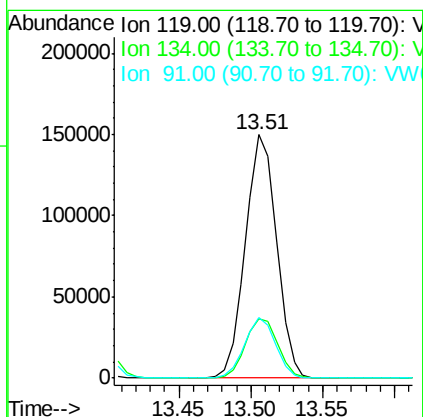
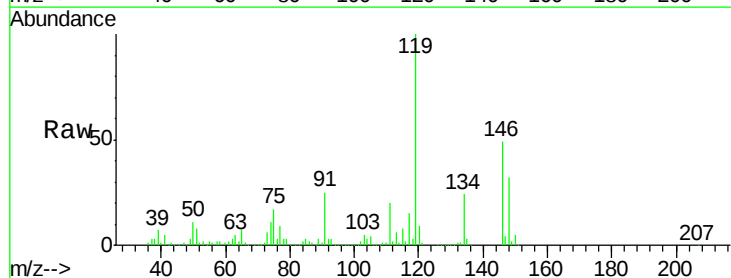
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

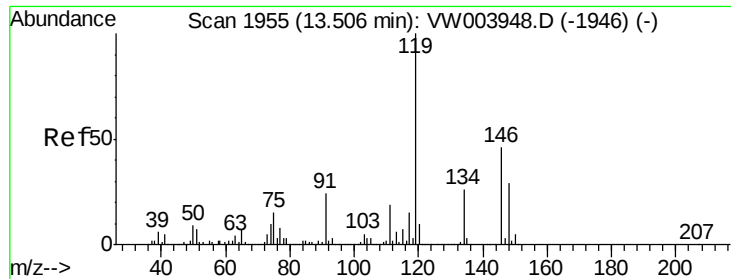
Tot Ion:105 Resp: 261394
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.935 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion:119 Resp: 223451
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 38.9
 91 24.5 11.8 35.3

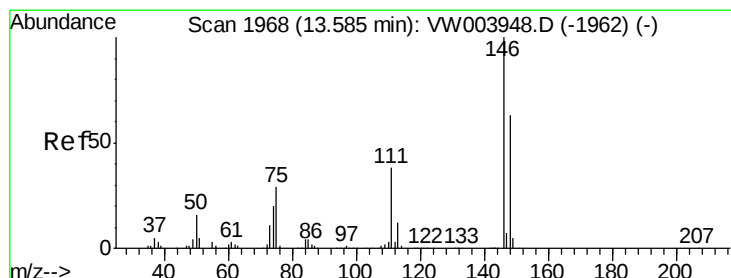
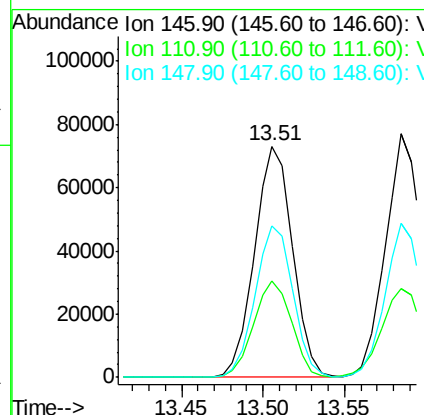
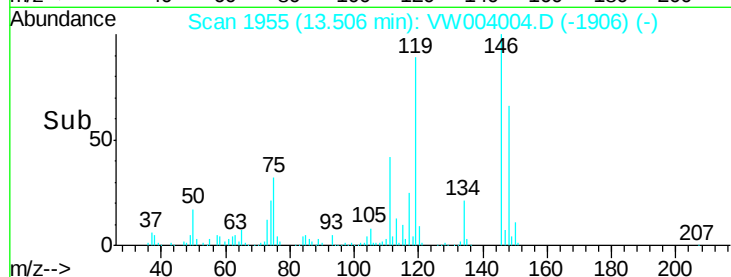
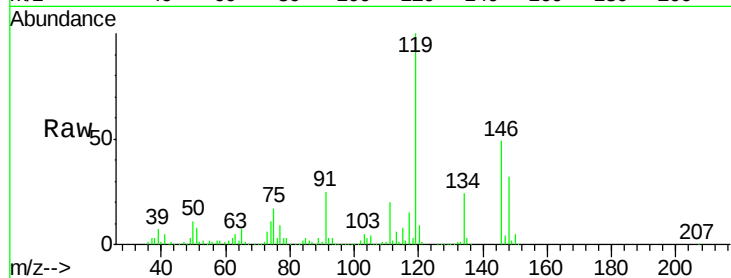




#87
 1,3-Dichlorobenzene
 Concen: 20.353 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

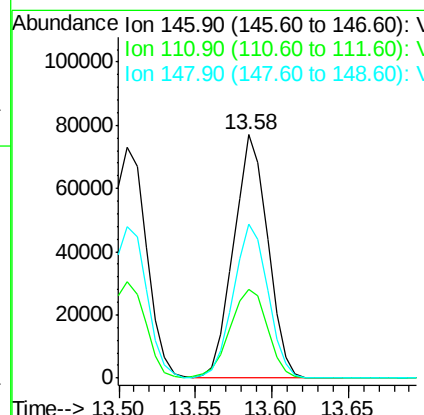
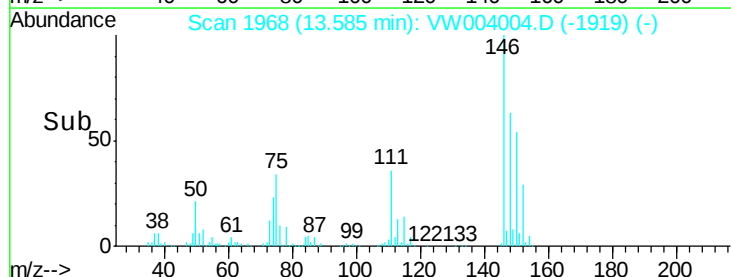
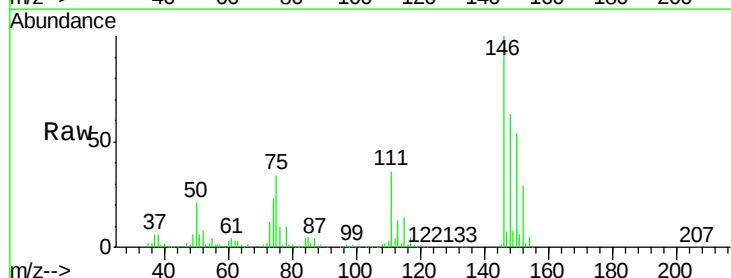
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

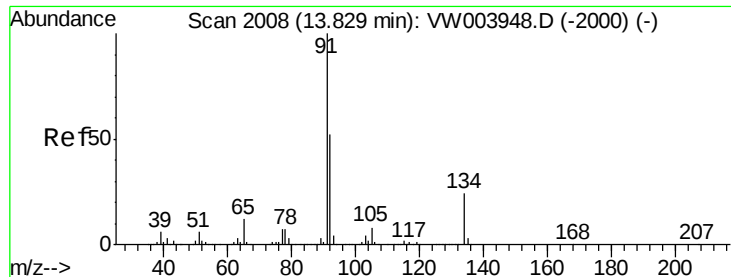
Tot Ion:146 Resp: 118572
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.9 59.6
 148 65.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.501 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion:146 Resp: 119777
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.7
 148 63.8 32.3 96.8





#89

n-Butylbenzene

Concen: 19.572 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

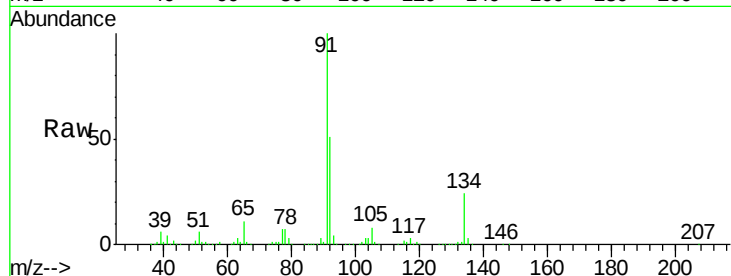
Tot Ion: 91 Resp: 215657

Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.3
134	24.2	12.4	37.4

91 100

92 51.4 26.1 78.3

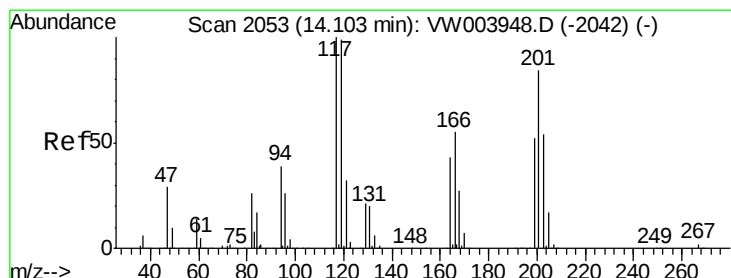
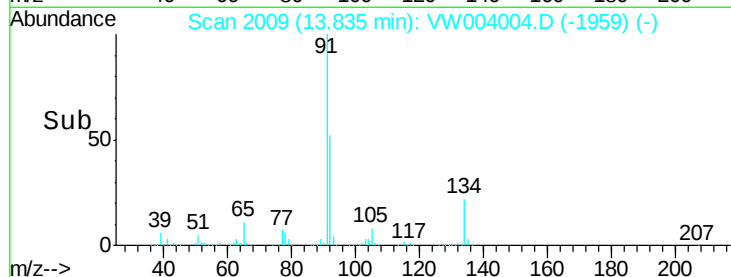
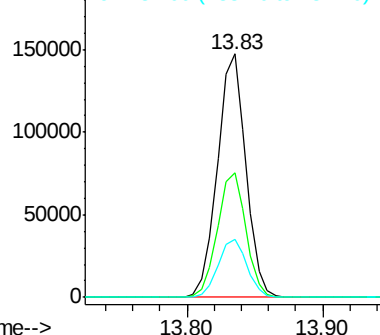
134 24.2 12.4 37.4



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): VW



#90

Hexachloroethane

Concen: 20.404 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004004.D

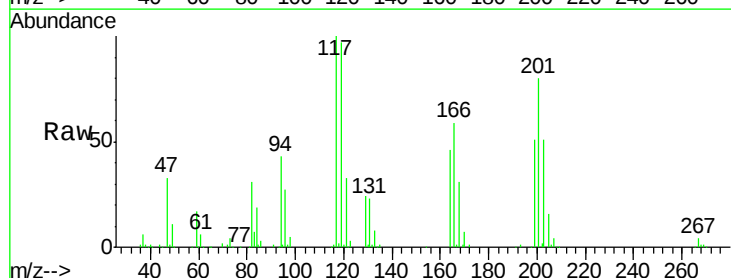
Acq: 18 Jul 2018 01:43

Tgt Ion: 117 Resp: 42159

Ion	Ratio	Lower	Upper
117	100		
201	76.9	40.3	120.9

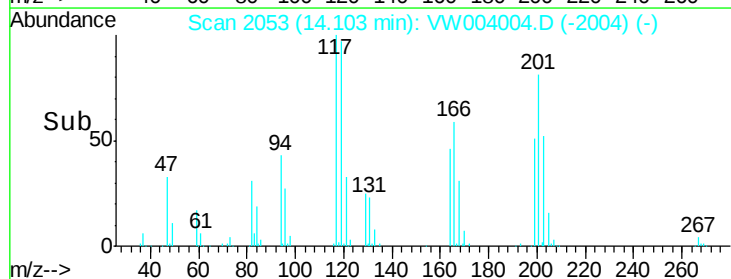
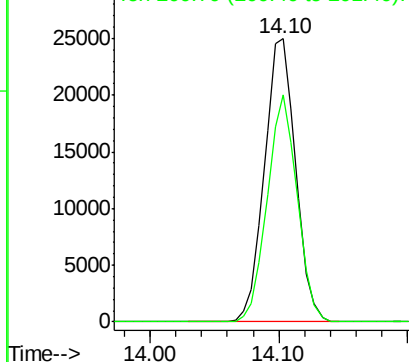
117 100

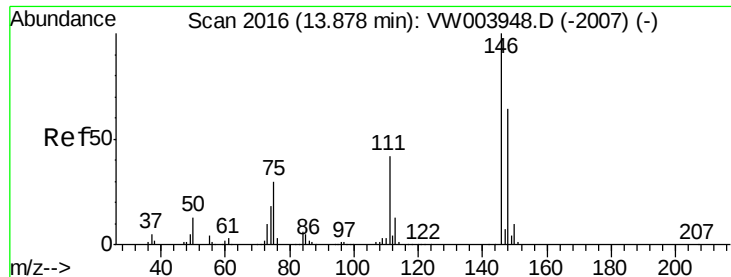
201 76.9 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

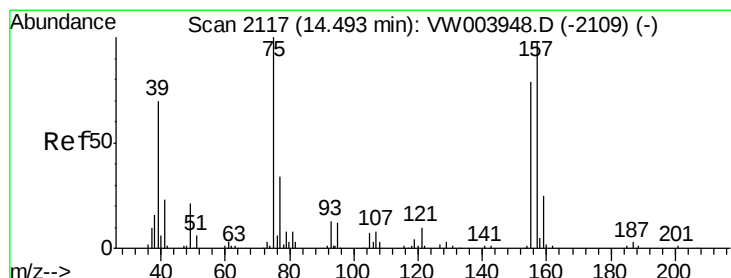
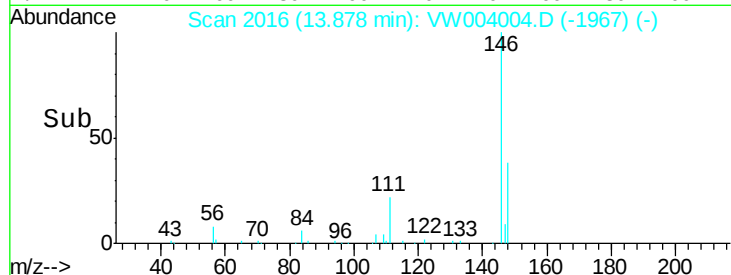
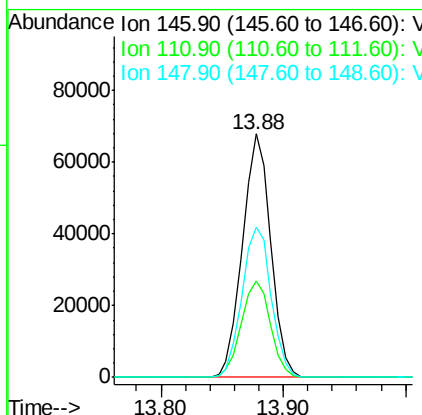
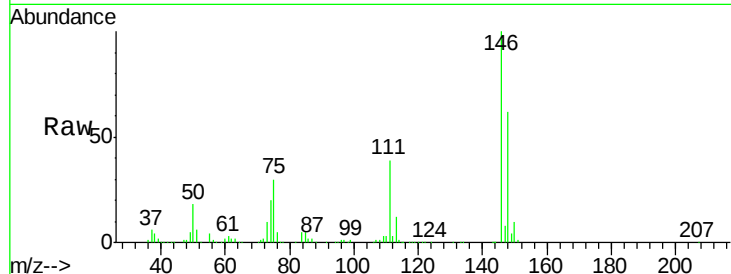




#91
 1,2-Dichlorobenzene
 Concen: 21.005 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

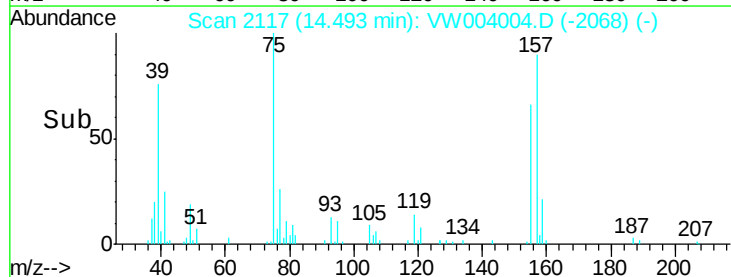
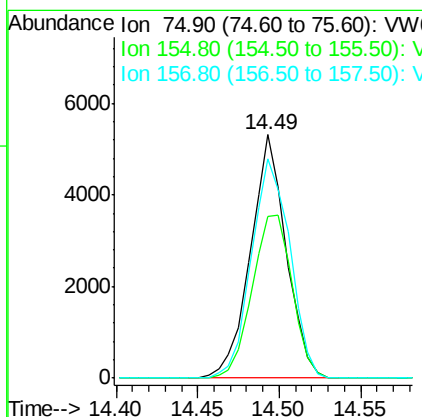
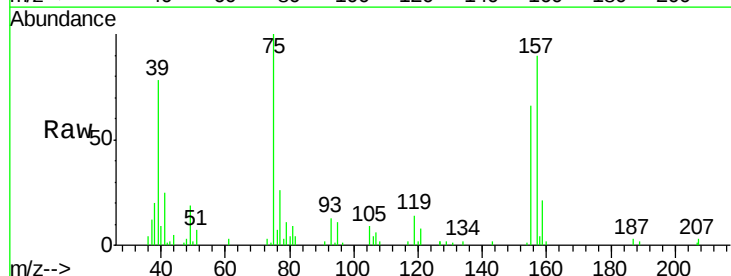
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

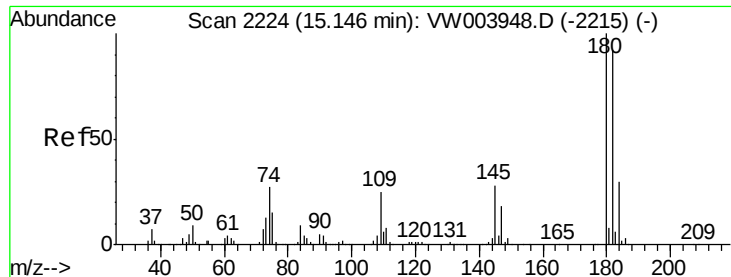
Tot Ion:146 Resp: 109027
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.7 62.1
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.332 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 75 Resp: 8104
 Ion Ratio Lower Upper
 75 100
 155 74.9 39.4 118.1
 157 96.9 51.8 155.4

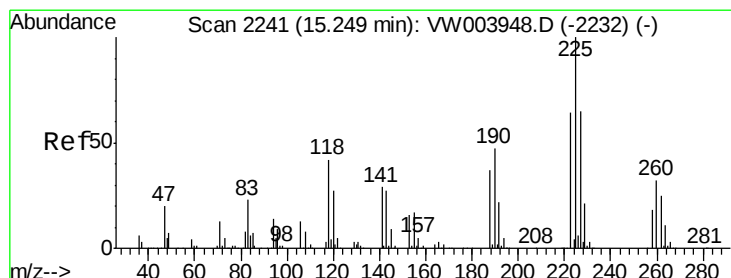
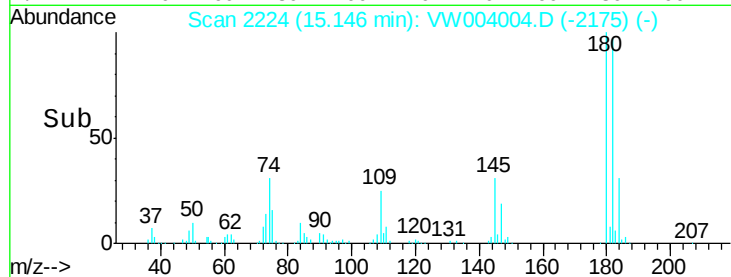
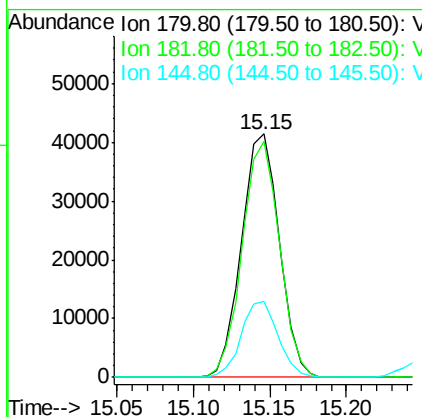
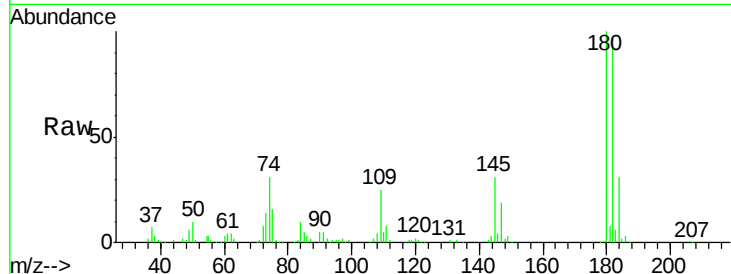




#93
 1,2,4-Trichlorobenzene
 Concen: 19.616 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

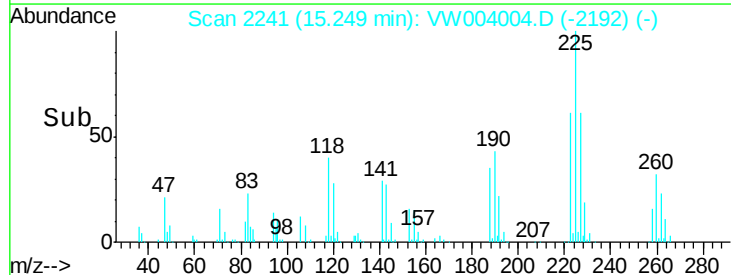
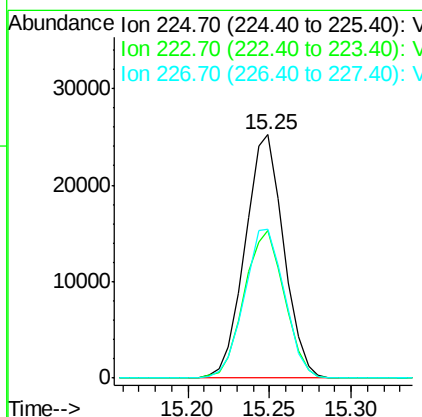
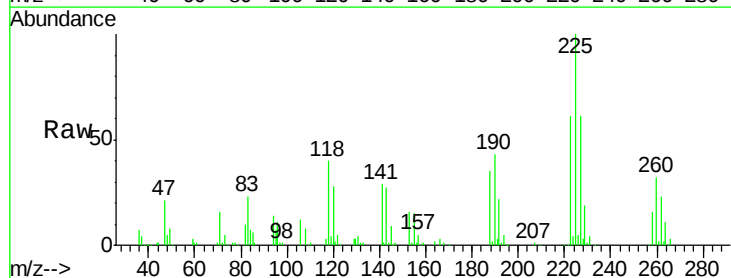
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

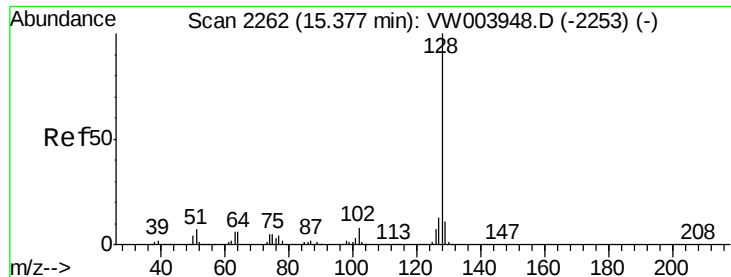
Tot Ion:180 Resp: 71507
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.8
 145 30.5 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 19.856 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion:225 Resp: 41565
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.0 96.2
 227 63.6 32.3 96.9





#95

Naphthalene

Concen: 18.755 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBSD02

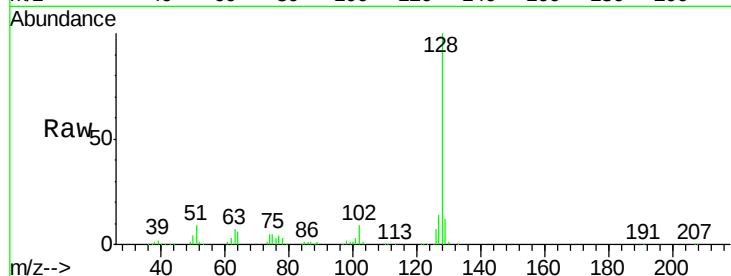
Tot Ion:128 Resp: 126193

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

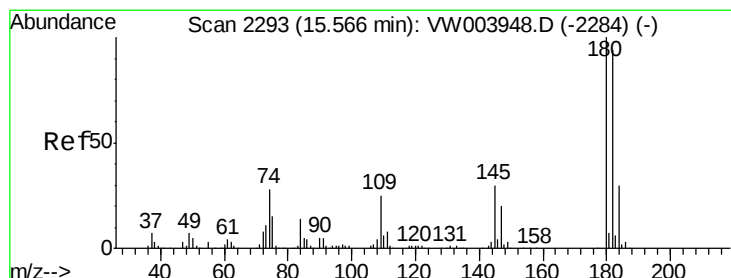
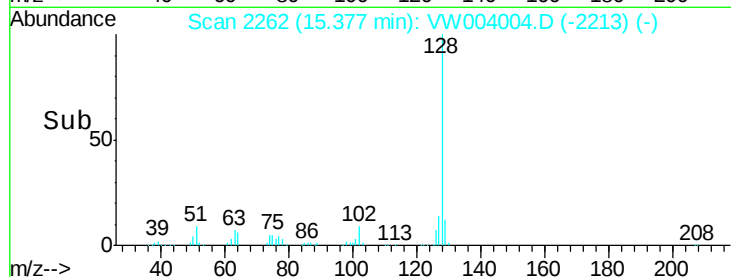
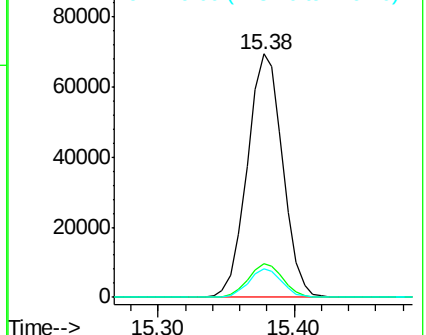
129 11.0 8.7 13.1



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: 19.772 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

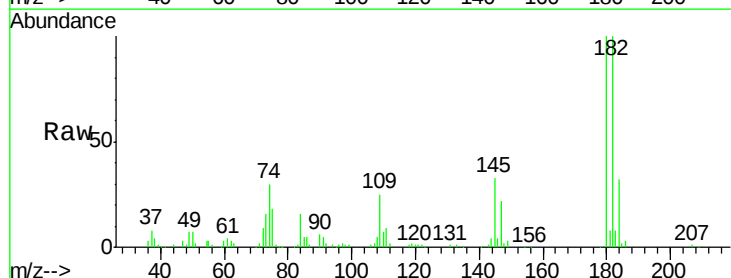
Tgt Ion:180 Resp: 63815

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.6

145 32.5 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

