

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003978.D
 Acq On : 17 Jul 2018 12:16
 Operator : VA/AP
 Sample : VW0717SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

Quant Time: Jul 17 13:45:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 11:52:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	192465	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	152239	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
35) Dibromofluoromethane	7.88	113	131319	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
50) Toluene-d8	10.32	98	521460	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.62	95	185531	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	27647	19.75	ug/l	98
3) Chloromethane	2.21	50	41818	22.70	ug/l	99
4) Vinyl Chloride	2.36	62	52121	20.57	ug/l	96
5) Bromomethane	2.76	94	34910	22.04	ug/l	99
6) Chloroethane	2.92	64	31595	21.95	ug/l	100
7) Trichlorofluoromethane	3.25	101	23941	22.51	ug/l	97
8) Diethyl Ether	3.68	74	24995	20.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	53466	21.78	ug/l	98
10) Methyl Iodide	4.26	142	75119	21.31	ug/l	98
11) Tert butyl alcohol	5.18	59	24471	127.25	ug/l	97
12) 1,1-Dichloroethene	4.03	96	52607	21.72	ug/l	98
13) Acrolein	3.88	56	19923	100.83	ug/l	96
14) Allyl chloride	4.65	41	83816	20.97	ug/l	96
15) Acrylonitrile	5.37	53	67027	105.94	ug/l	98
16) Acetone	4.12	43	72606	108.46	ug/l	93
17) Carbon Disulfide	4.37	76	164788	21.80	ug/l	99
18) Methyl Acetate	4.67	43	32297	20.10	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	96351	20.76	ug/l	98
20) Methylene Chloride	4.90	84	65213	16.86	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	55772	21.01	ug/l	98
22) Diisopropyl ether	6.31	45	177168	21.93	ug/l	98
23) Vinyl Acetate	6.26	43	545874	106.63	ug/l	100
24) 1,1-Dichloroethane	6.21	63	104885	21.28	ug/l	98
25) 2-Butanone	7.18	43	97181	107.88	ug/l	97
26) 2,2-Dichloropropane	7.17	77	62576	22.11	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59073	20.58	ug/l	98
28) Bromochloromethane	7.51	49	44108	21.86	ug/l	99
29) Tetrahydrofuran	7.53	42	61236	109.13	ug/l	97
30) Chloroform	7.68	83	105086	21.43	ug/l	98
31) Cyclohexane	7.95	56	97995	21.21	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	82073	21.43	ug/l	98
36) 1,1-Dichloropropene	8.08	75	84575	21.01	ug/l	99
37) Ethyl Acetate	7.26	43	41803	21.53	ug/l	99
38) Carbon Tetrachloride	8.07	117	78787	20.95	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95817	20.33	ug/l	99
40) Benzene	8.32	78	237473	21.26	ug/l	99
41) Methacrylonitrile	7.48	41	21291	19.79	ug/l	95
42) 1,2-Dichloroethane	8.40	62	75399	22.13	ug/l	99
43) Isopropyl Acetate	8.43	43	76963	21.19	ug/l	99
44) Trichloroethene	9.09	130	60028	20.74	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60762	21.32	ug/l	100
46) Dibromomethane	9.46	93	32483	21.96	ug/l	98
47) Bromodichloromethane	9.65	83	77038	21.13	ug/l	96
48) Methyl methacrylate	9.44	41	36754	20.93	ug/l	98
49) 1,4-Dioxane	9.45	88	9658	424.81	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	208047	107.54	ug/l	99
52) Toluene	10.39	92	147821	21.41	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	79084	20.74	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	90933	20.85	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	44852	21.56	ug/l	96
56) Ethyl methacrylate	10.65	69	54912	20.31	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77282	21.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	123553	100.12	ug/l	98
59) 2-Hexanone	10.98	43	148730	109.07	ug/l	97
60) Dibromochloromethane	11.13	129	51454	21.24	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43264	21.86	ug/l	100
64) Tetrachloroethene	10.87	164	51113	20.27	ug/l	98
65) Chlorobenzene	11.66	112	159252	20.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	56579	20.83	ug/l	98
67) Ethyl Benzene	11.74	91	277725	20.23	ug/l	99
68) m/p-Xylenes	11.85	106	217273	41.41	ug/l	100
69) o-Xylene	12.17	106	97928	20.12	ug/l	98
70) Styrene	12.19	104	165545	20.36	ug/l	99
71) Bromoform	12.35	173	31168	20.33	ug/l #	98
73) Isopropylbenzene	12.47	105	271397	19.96	ug/l	100
74) N-amyl acetate	12.28	43	73060	20.62	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	54962	20.90	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	74013	38.74	ug/l #	100
77) Bromobenzene	12.75	156	65124	20.01	ug/l	98
78) n-propylbenzene	12.81	91	344651	20.66	ug/l	100
79) 2-Chlorotoluene	12.90	91	194846	20.71	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	236722	20.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	17046	19.73	ug/l	93
82) 4-Chlorotoluene	12.99	91	205608	20.36	ug/l	100
83) tert-Butylbenzene	13.21	119	193022	20.09	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	243829	20.71	ug/l	99
85) sec-Butylbenzene	13.39	105	291245	20.43	ug/l	100
86) p-Isopropyltoluene	13.51	119	256246	20.49	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	134422	20.68	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	134867	20.69	ug/l	99
89) n-Butylbenzene	13.83	91	252558	20.54	ug/l	99
90) Hexachloroethane	14.10	117	46916	20.35	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	120326	20.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9109	19.48	ug/l	95

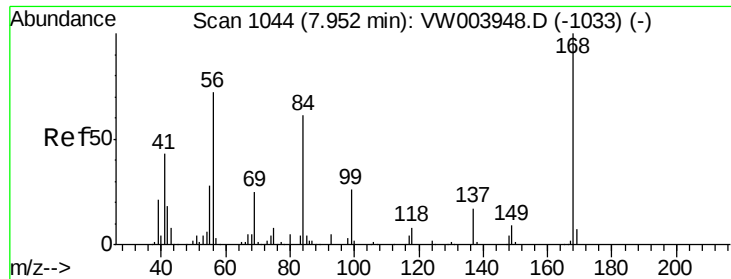
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	83397	20.51	ug/l	99
94) Hexachlorobutadiene	15.25	225	48330	20.69	ug/l	99
95) Naphthalene	15.38	128	148781	19.82	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	74310	20.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

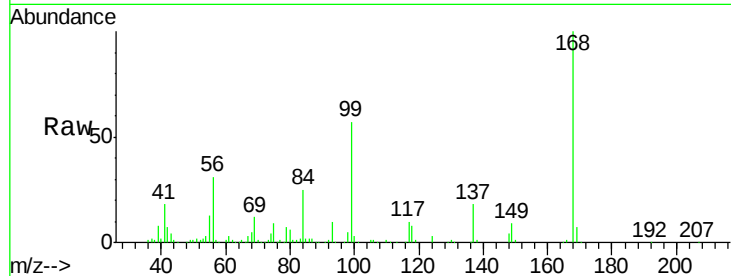
VW0717SBS01

Tot Ion:168 Resp: 249212

Ion Ratio Lower Upper

168 100

99 56.8 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

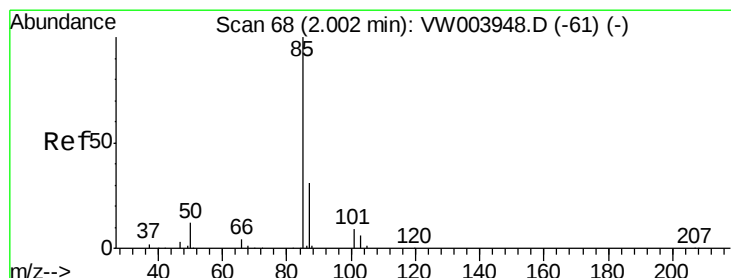
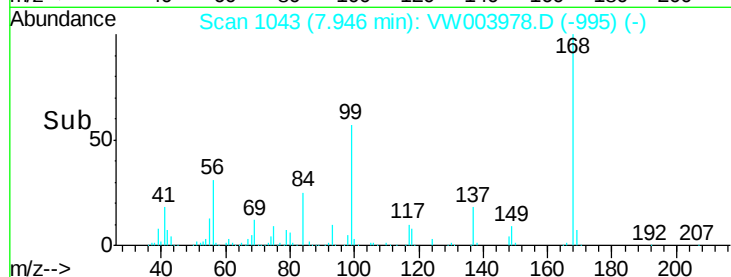
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.75 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003978.D

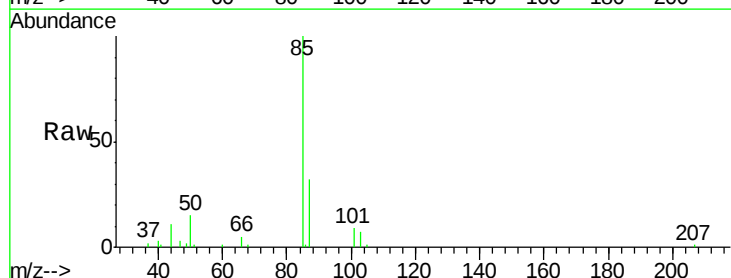
Acq: 17 Jul 2018 12:16

Tgt Ion: 85 Resp: 27647

Ion Ratio Lower Upper

85 100

87 32.1 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

10000

8000

6000

4000

2000

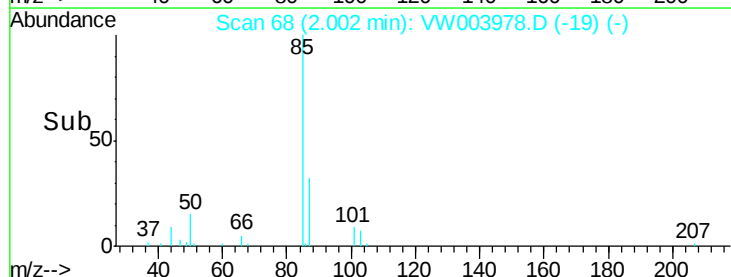
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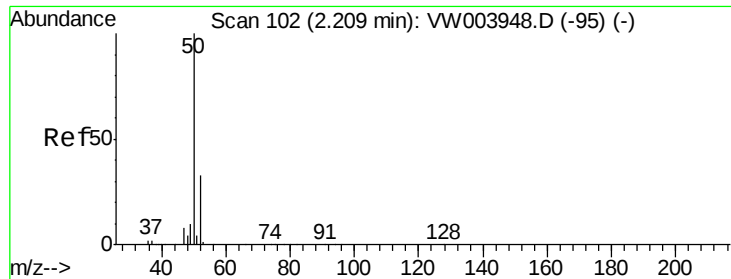
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 22.70 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

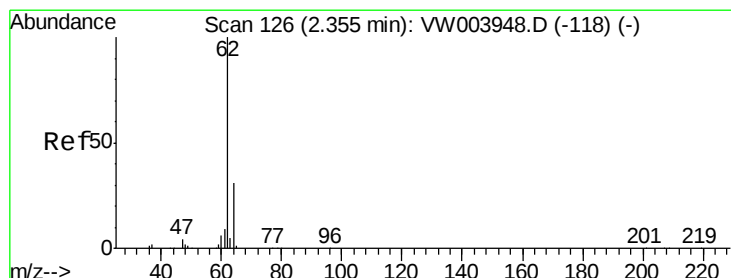
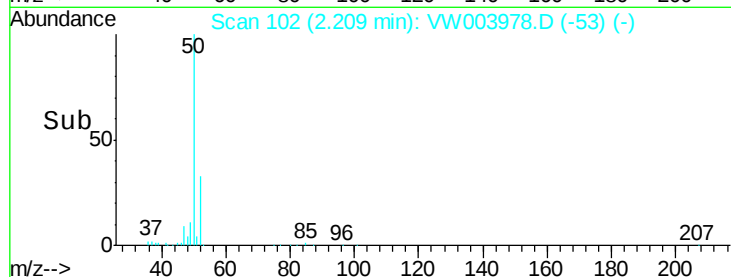
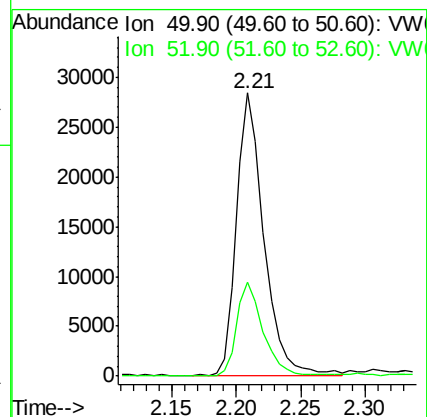
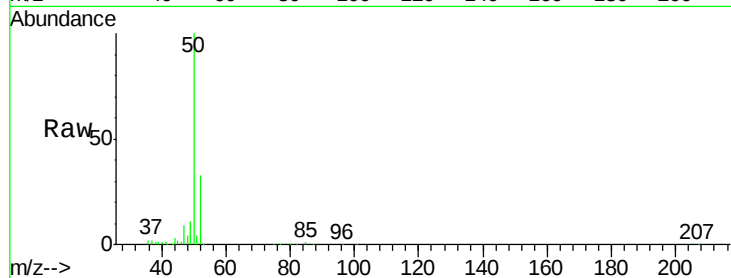
VW0717SBS01

Tot Ion: 50 Resp: 41818

Ion Ratio Lower Upper

50 100

52 33.5 26.3 39.5



#4

Vinyl Chloride

Concen: 20.57 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003978.D

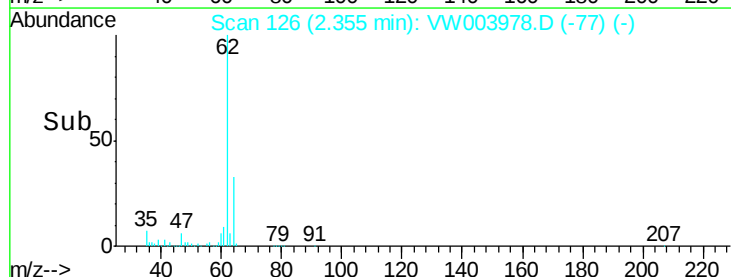
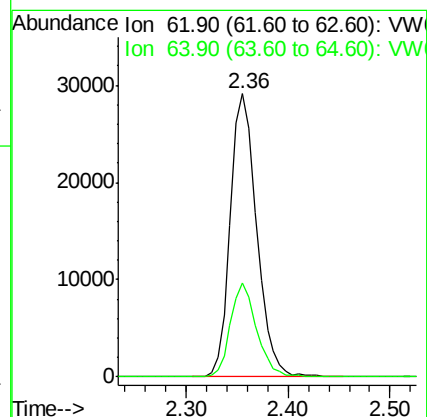
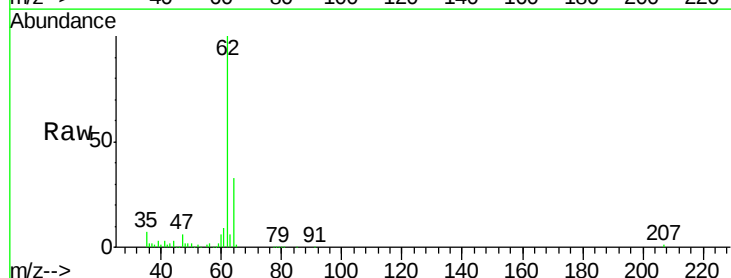
Acq: 17 Jul 2018 12:16

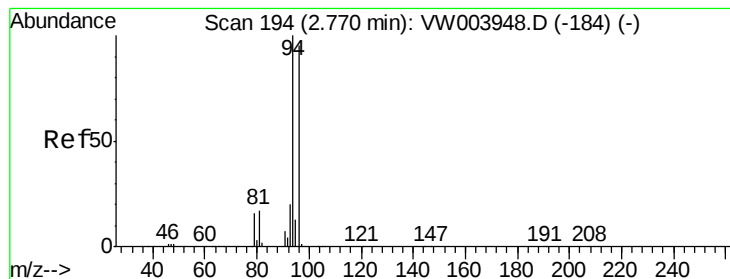
Tgt Ion: 62 Resp: 52121

Ion Ratio Lower Upper

62 100

64 33.4 25.0 37.6





#5

Bromomethane

Concen: 22.04 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

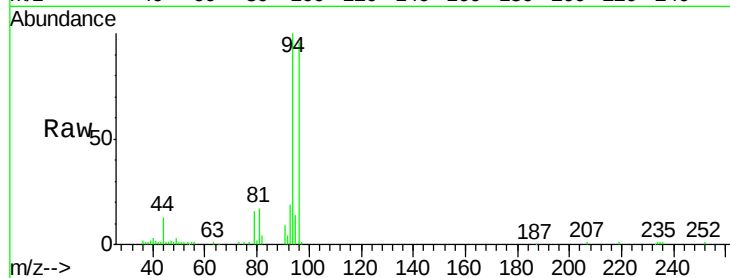
VW0717SBS01

Tot Ion: 94 Resp: 34910

Ion Ratio Lower Upper

94 100

96 95.9 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

15000

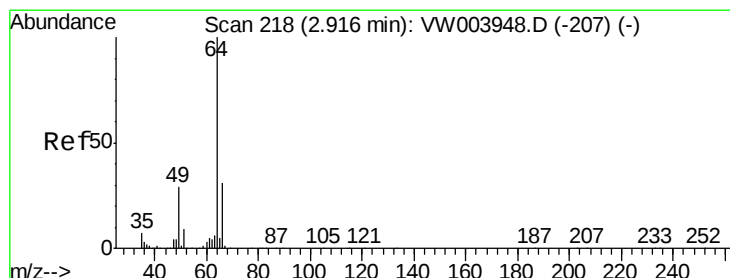
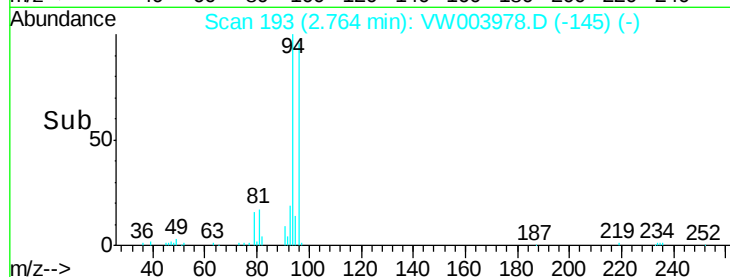
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.95 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW003978.D

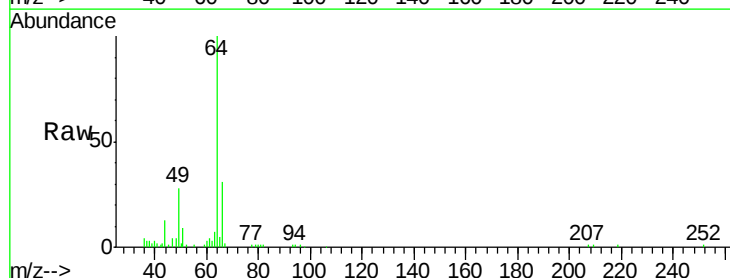
Acq: 17 Jul 2018 12:16

Tgt Ion: 64 Resp: 31595

Ion Ratio Lower Upper

64 100

66 30.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

12000

10000

8000

6000

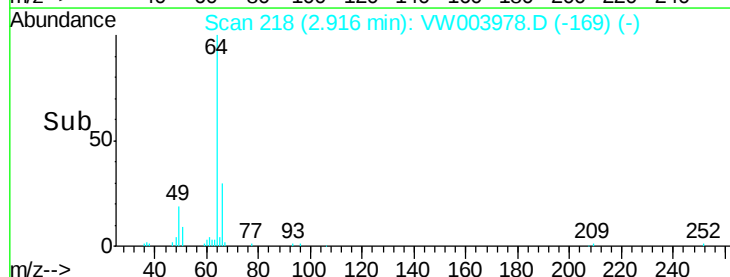
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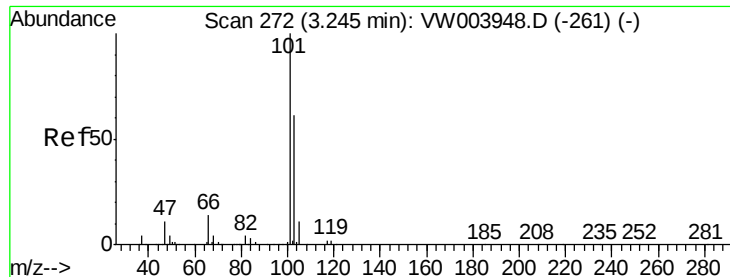
2000

0

Time-->

2.80 2.90 3.00



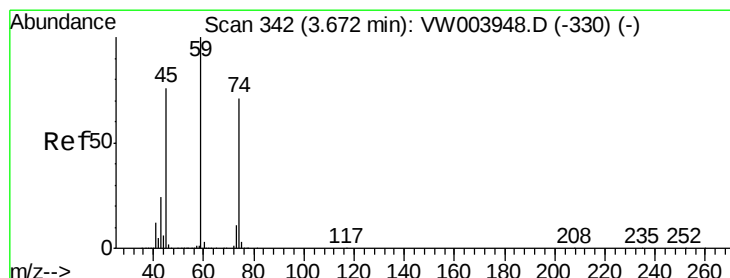
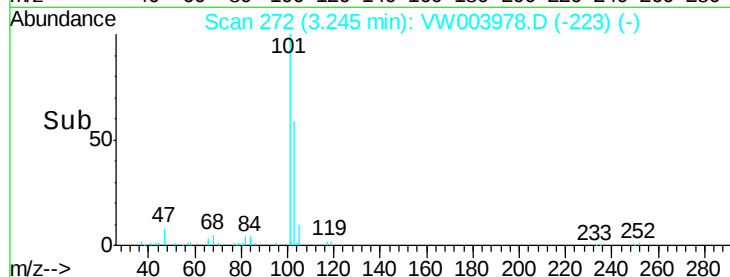
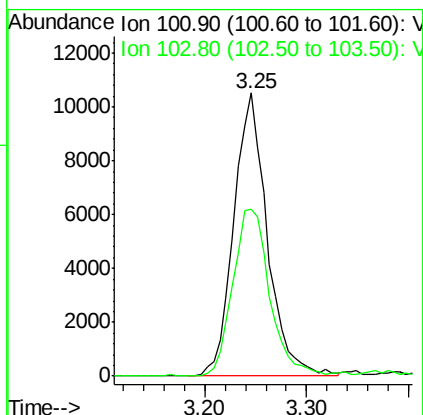
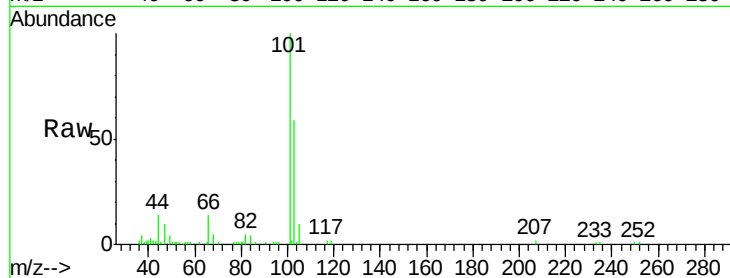


#7

Trichlorofluoromethane
 Concen: 22.51 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

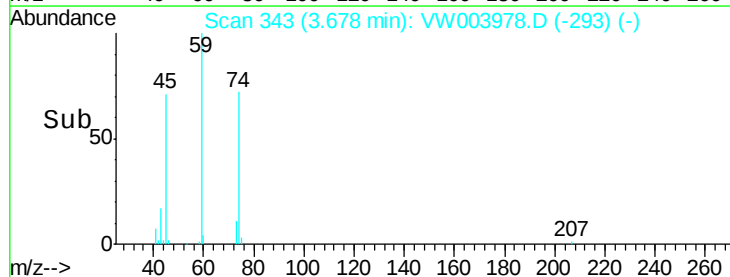
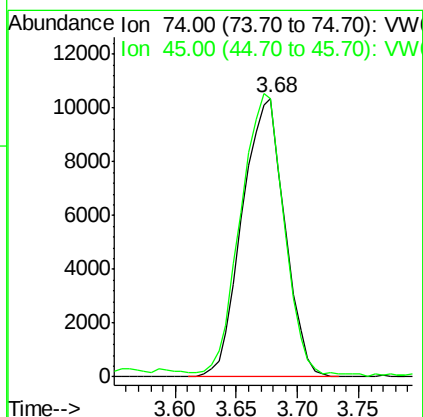
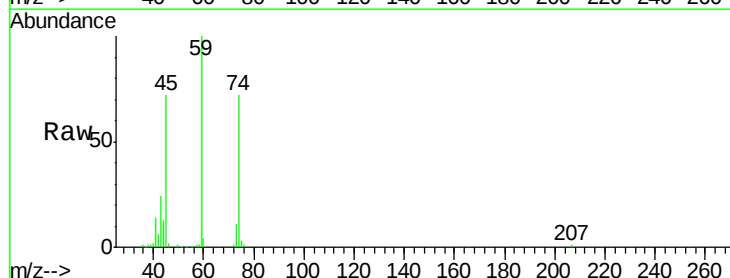
Tot Ion:101 Resp: 23941
 Ion Ratio Lower Upper
 101 100
 103 59.1 49.0 73.6

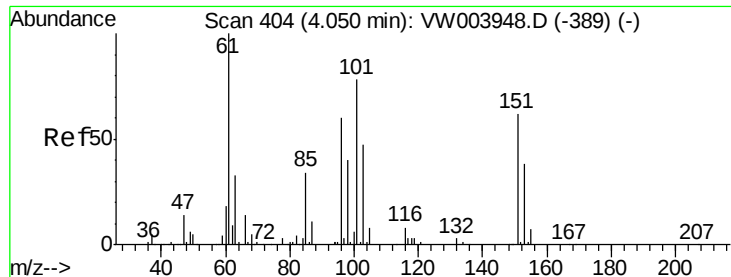


#8

Diethyl Ether
 Concen: 20.24 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 74 Resp: 24995
 Ion Ratio Lower Upper
 74 100
 45 105.2 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.78 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

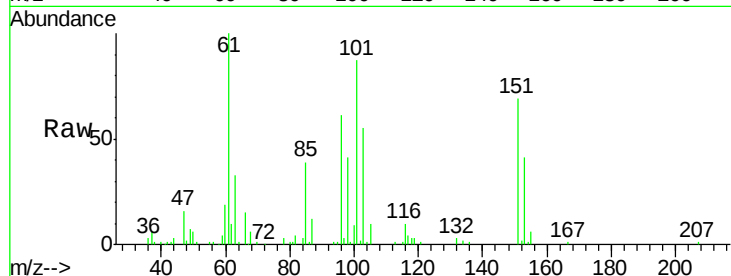
Tot Ion:101 Resp: 53466

Ion Ratio Lower Upper

101 100

85 43.8 35.8 53.6

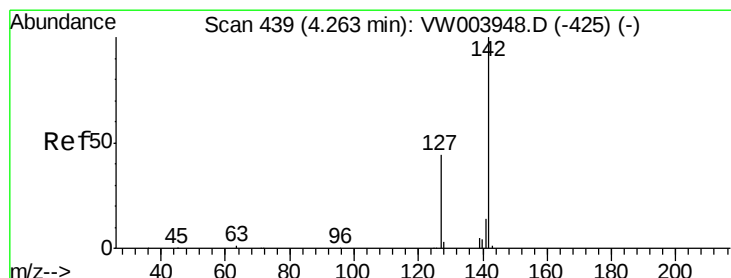
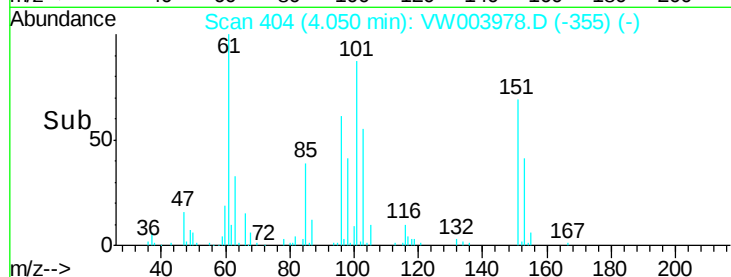
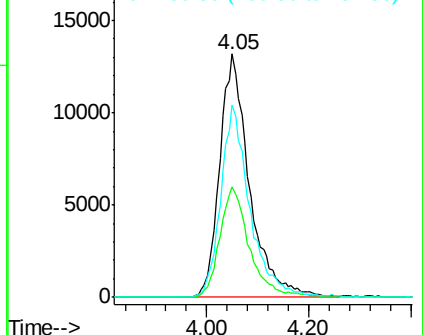
151 76.9 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.31 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

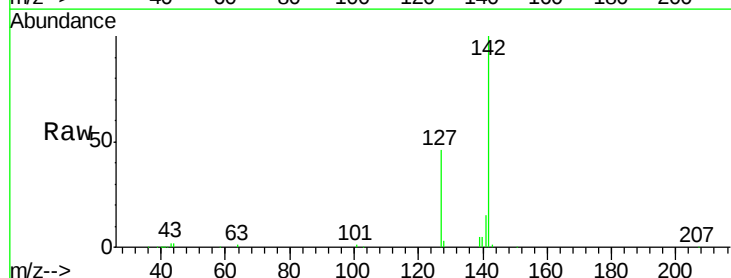
Tgt Ion:142 Resp: 75119

Ion Ratio Lower Upper

142 100

127 45.4 35.4 53.2

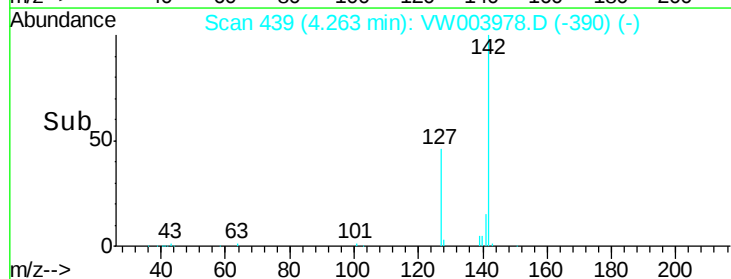
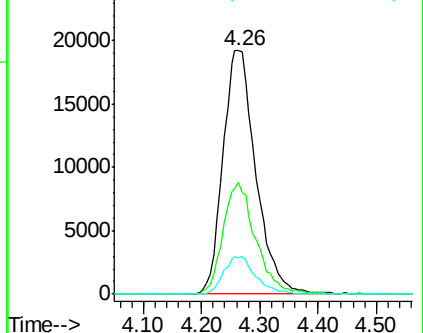
141 15.1 11.7 17.5

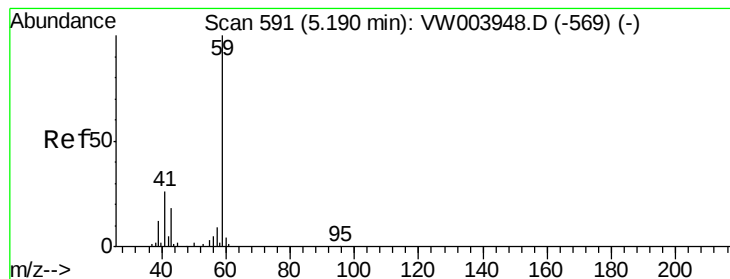


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



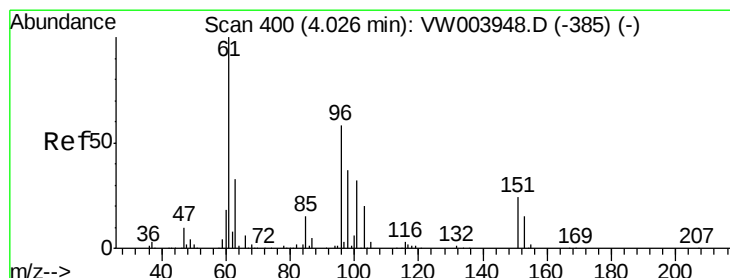
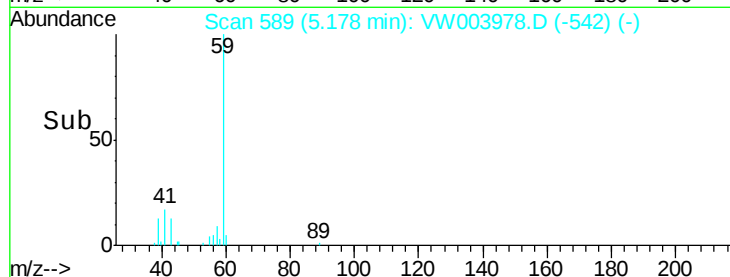
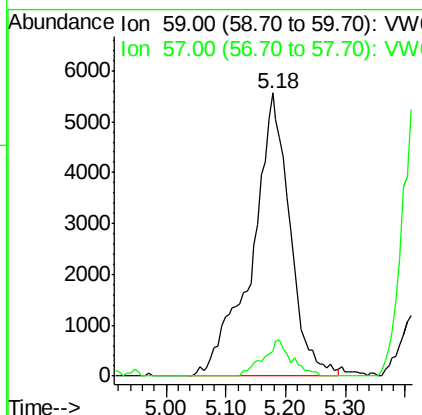
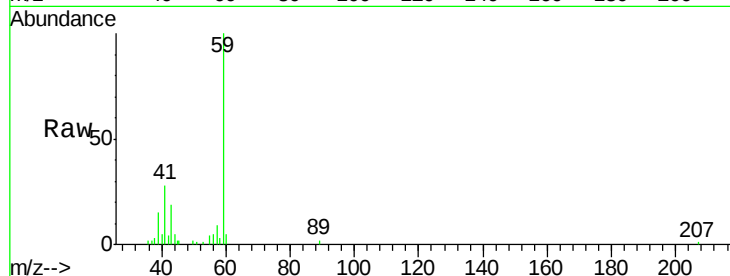


#11

Tert butyl alcohol
 Concen: 127.25 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

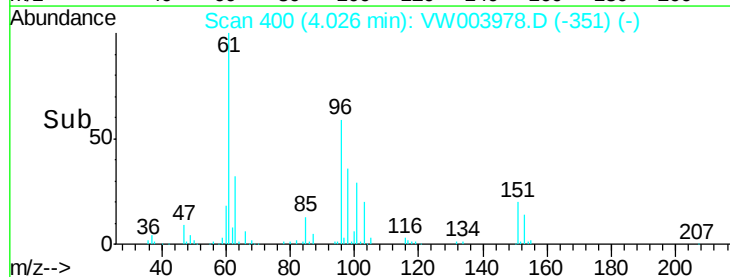
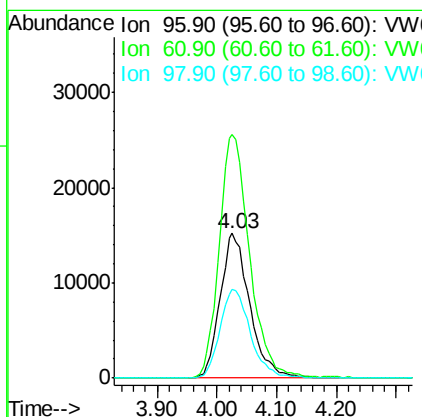
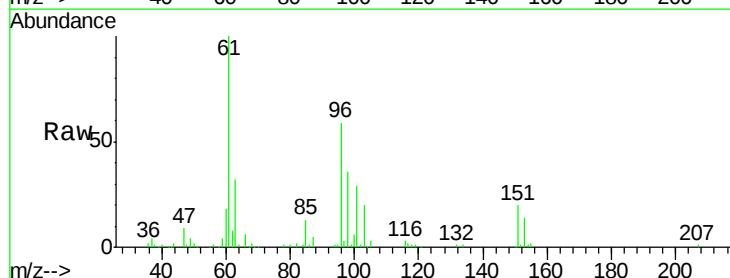
Tot Ion: 59 Resp: 24471
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.5 12.7

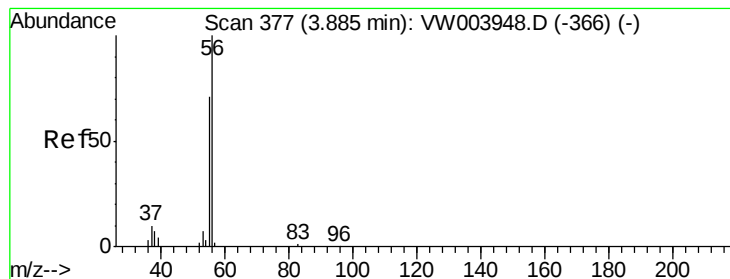


#12

1,1-Dichloroethene
 Concen: 21.72 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 96 Resp: 52607
 Ion Ratio Lower Upper
 96 100
 61 168.5 137.0 205.6
 98 61.4 50.2 75.4





#13

Acrolein

Concen: 100.83 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

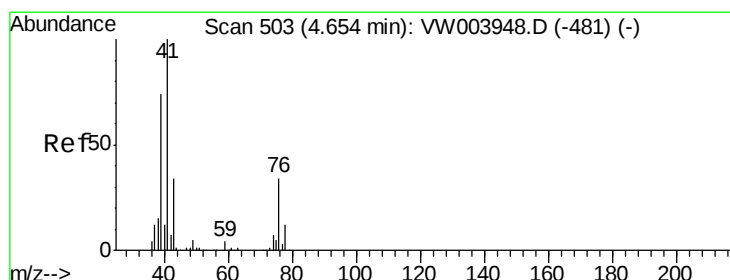
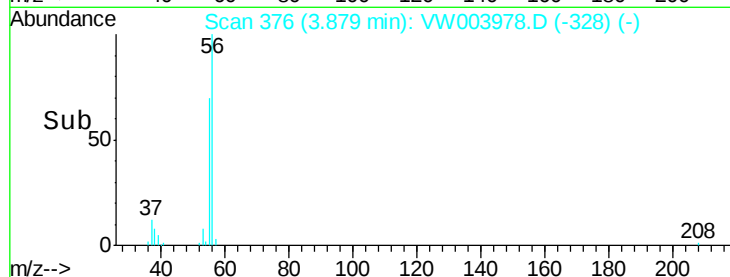
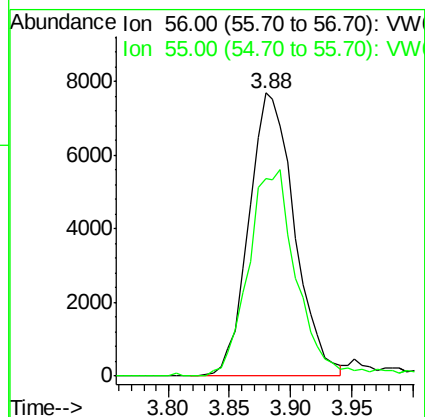
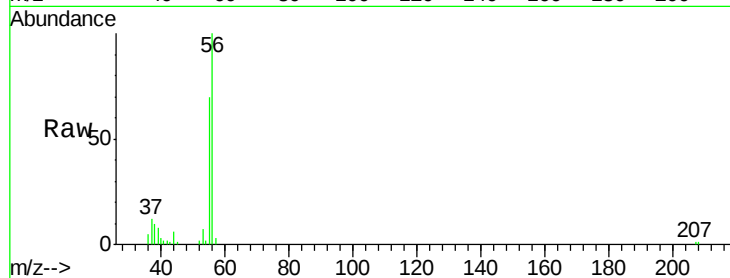
VW0717SBS01

Tot Ion: 56 Resp: 19923

Ion Ratio Lower Upper

56 100

55 76.0 58.2 87.4



#14

Allyl chloride

Concen: 20.97 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

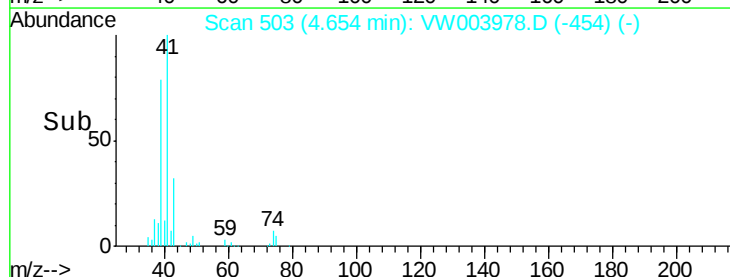
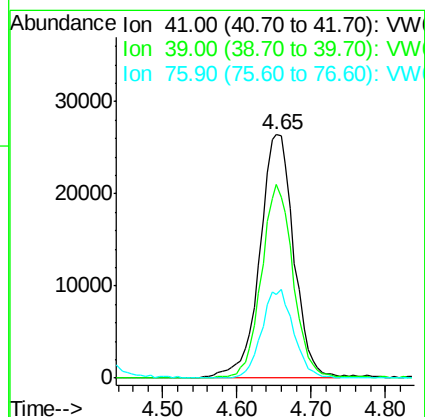
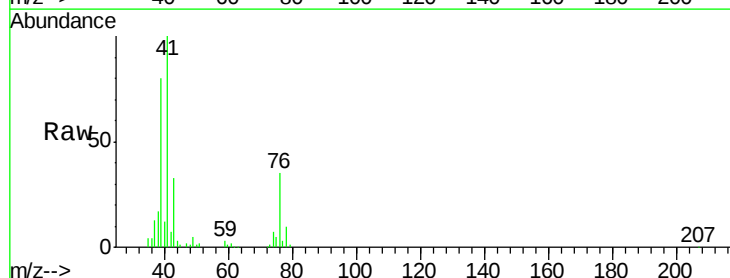
Tgt Ion: 41 Resp: 83816

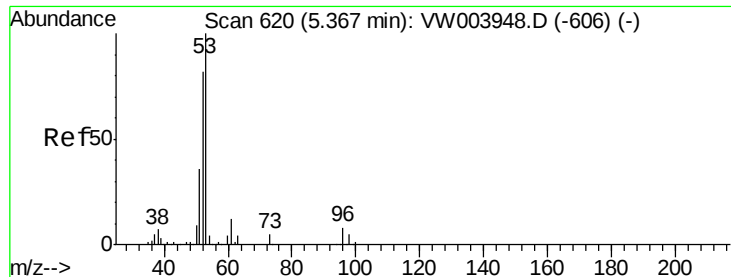
Ion Ratio Lower Upper

41 100

39 75.3 57.0 85.4

76 34.1 26.5 39.7





#15

Acrylonitrile

Concen: 105.94 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampled :

VW0717SBS01

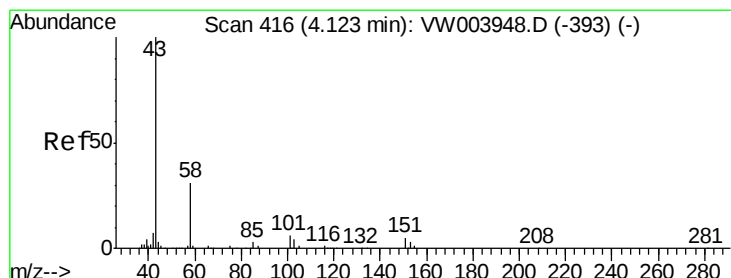
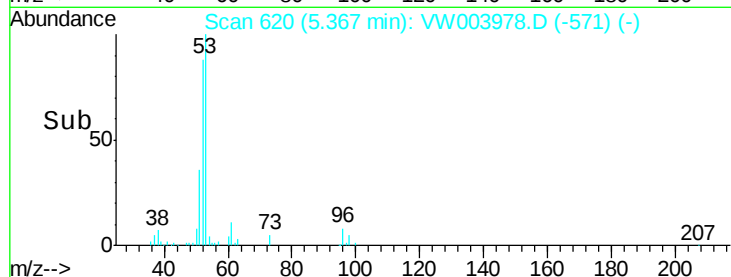
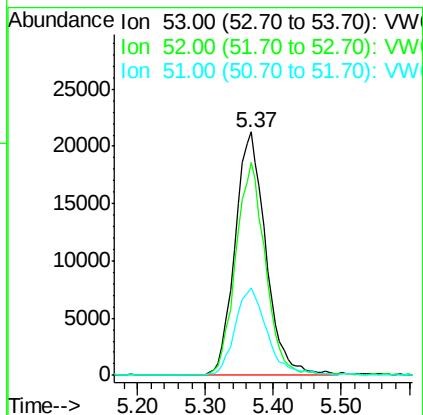
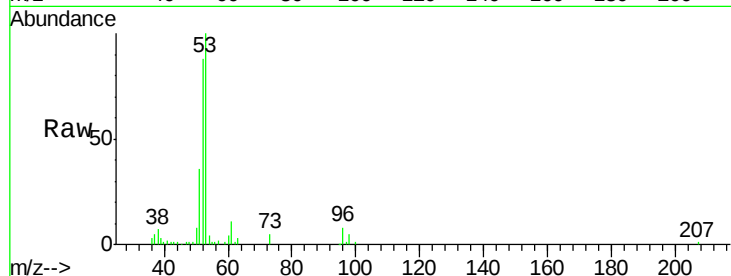
Tot Ion: 53 Resp: 67027

Ion Ratio Lower Upper

53 100

52 84.6 66.1 99.1

51 37.2 29.8 44.6



#16

Acetone

Concen: 108.46 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003978.D

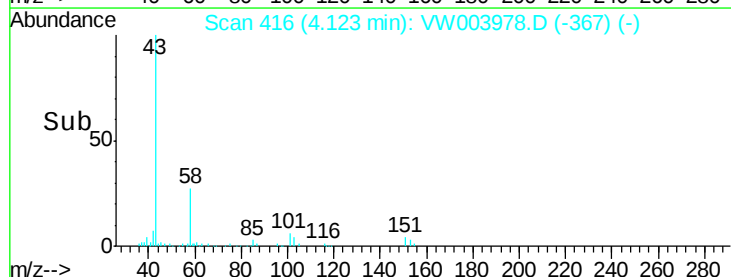
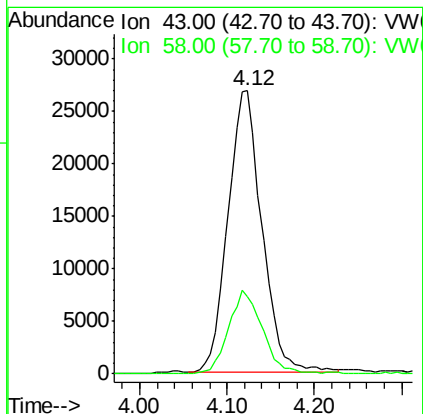
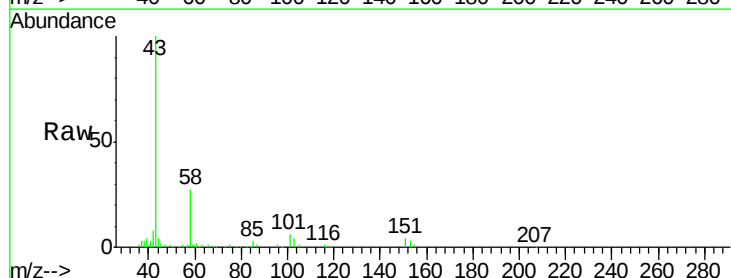
Acq: 17 Jul 2018 12:16

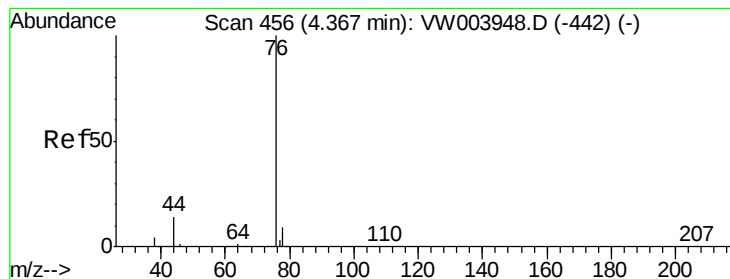
Tgt Ion: 43 Resp: 72606

Ion Ratio Lower Upper

43 100

58 27.0 24.5 36.7





#17

Carbon Disulfide

Concen: 21.80 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

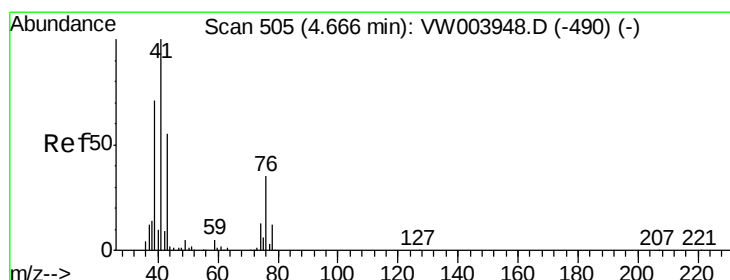
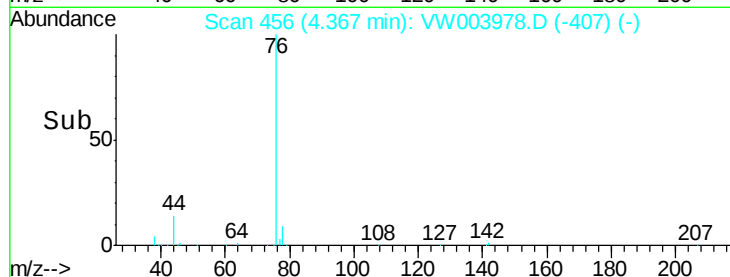
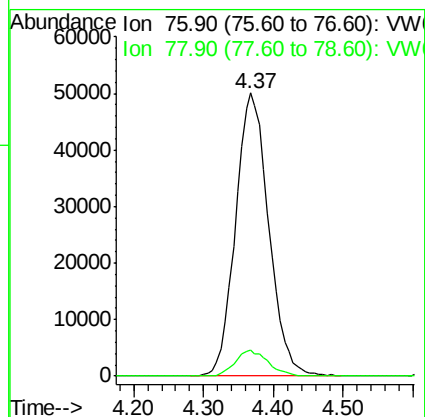
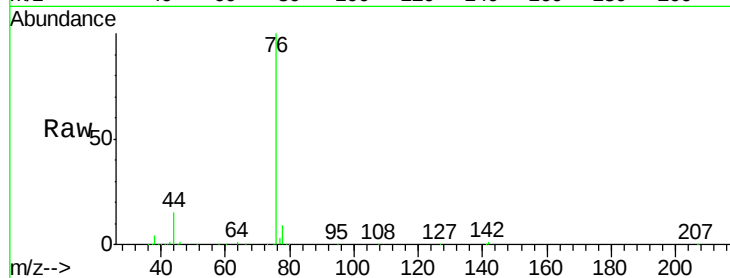
VW0717SBS01

Tot Ion: 76 Resp: 164788

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 20.10 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003978.D

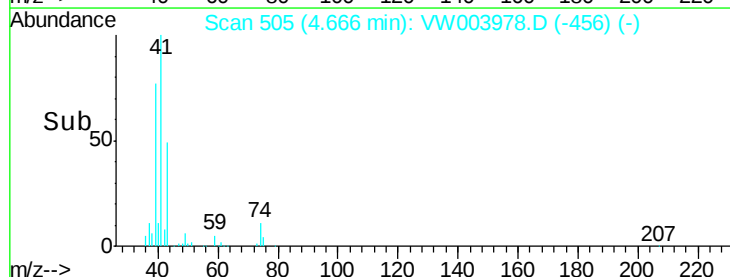
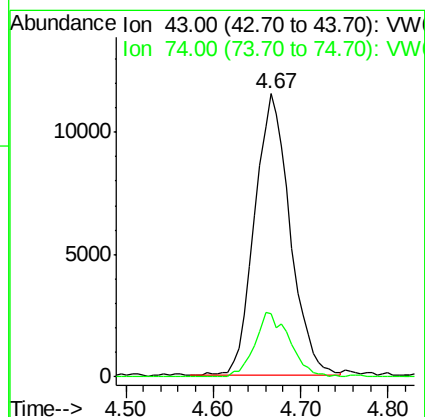
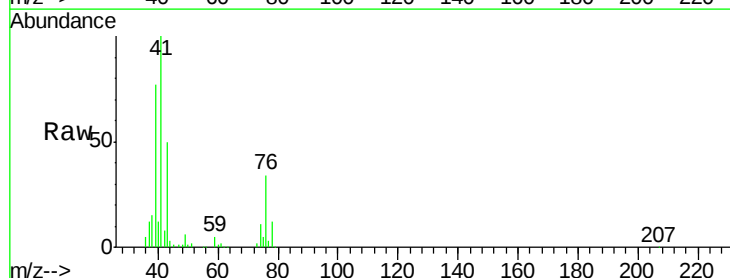
Acq: 17 Jul 2018 12:16

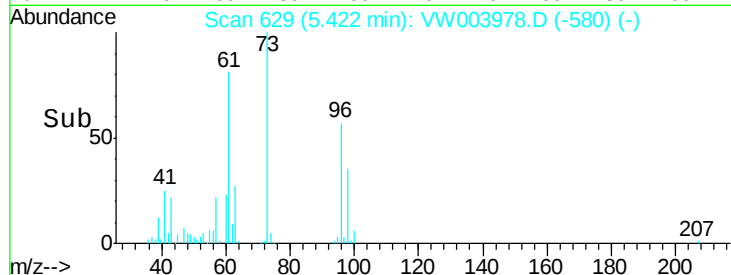
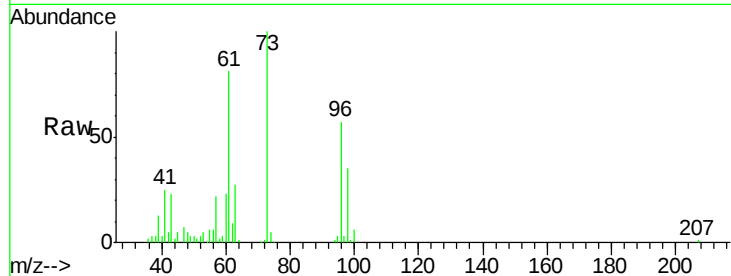
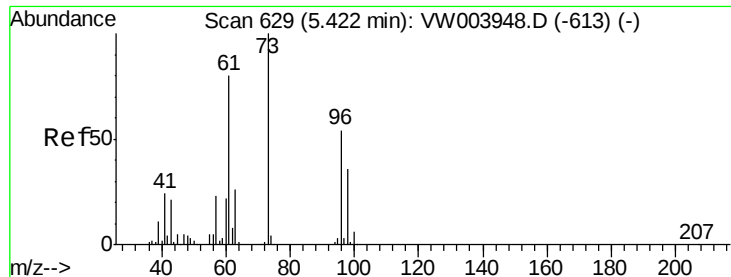
Tgt Ion: 43 Resp: 32297

Ion Ratio Lower Upper

43 100

74 22.4 17.7 26.5

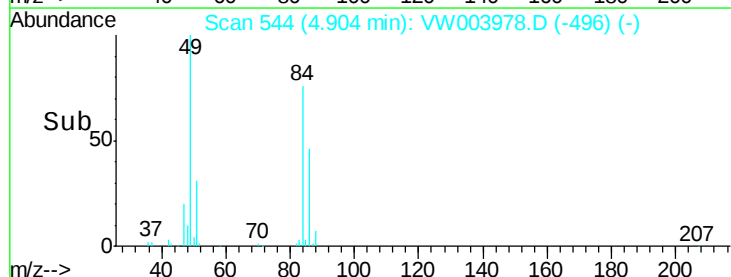
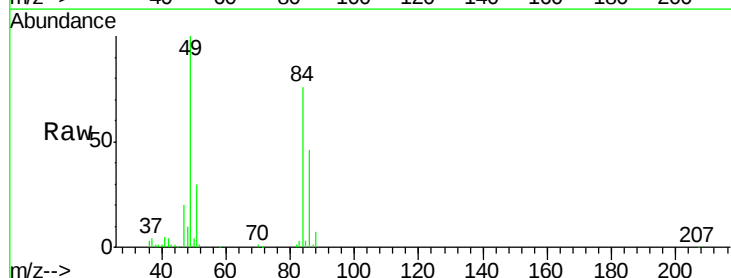
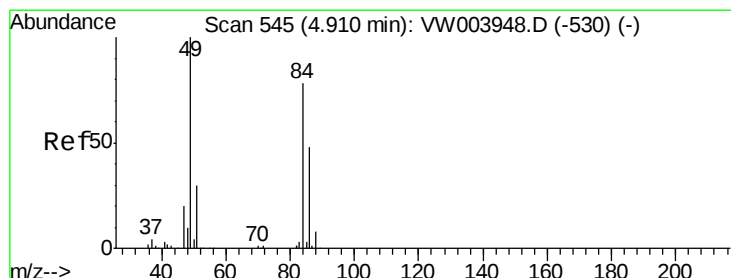
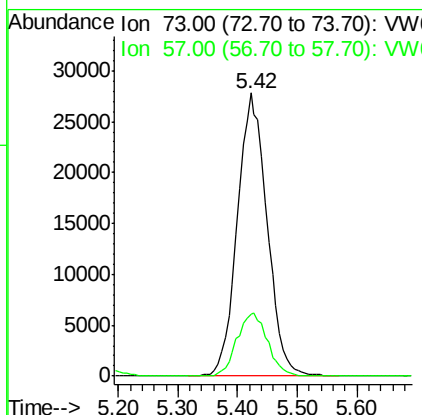




#19
Methyl tert-butyl Ether
Concen: 20.76 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

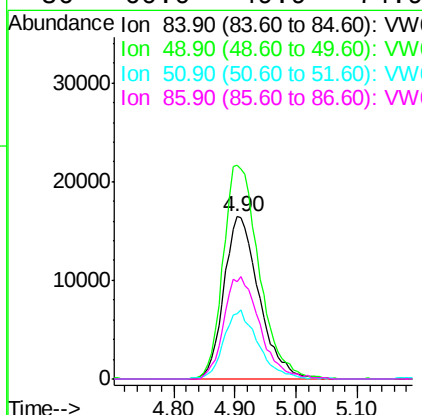
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

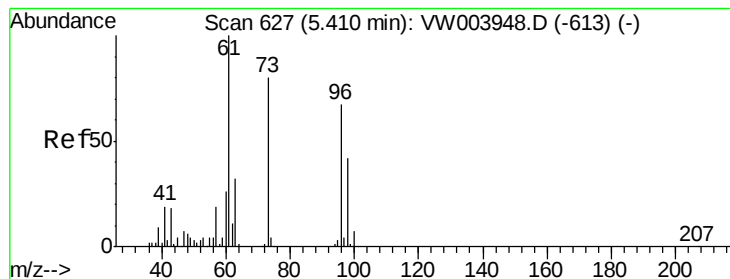
Tot Ion: 73 Resp: 96351
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.4



#20
Methylene Chloride
Concen: 16.86 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 84 Resp: 65213
Ion Ratio Lower Upper
84 100
49 131.6 102.9 154.3
51 40.1 30.9 46.3
86 60.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 21.01 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

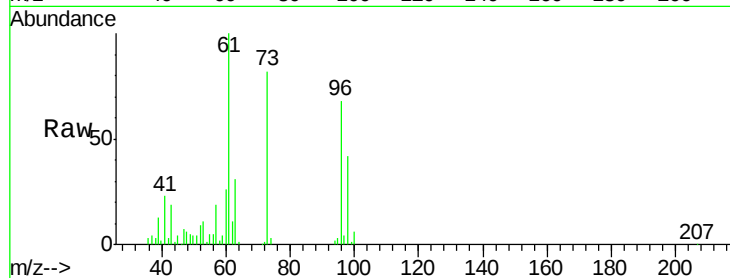
Tot Ion: 96 Resp: 55772

Ion Ratio Lower Upper

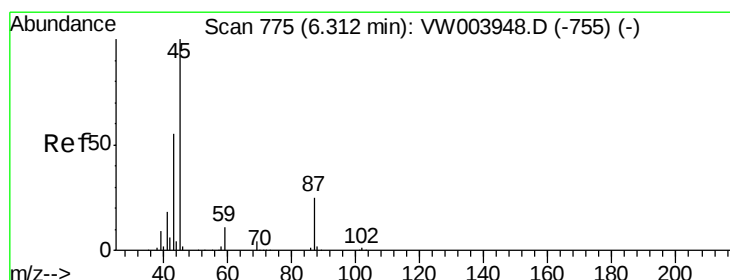
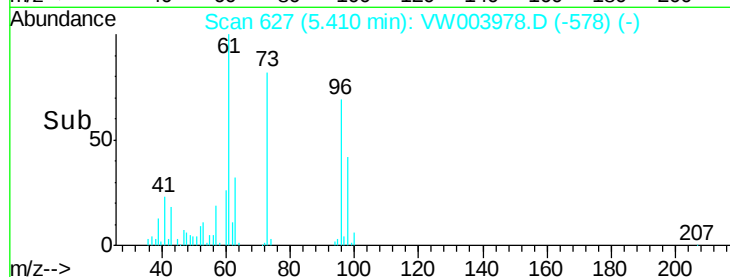
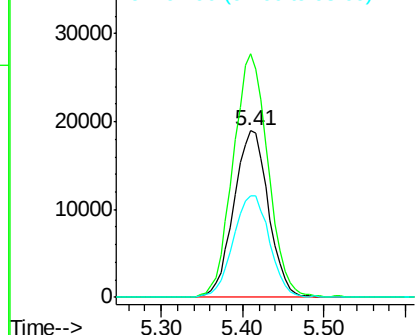
96 100

61 145.7 119.0 178.4

98 60.9 49.9 74.9



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



#22

Diisopropyl ether

Concen: 21.93 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Tgt Ion: 45 Resp: 177168

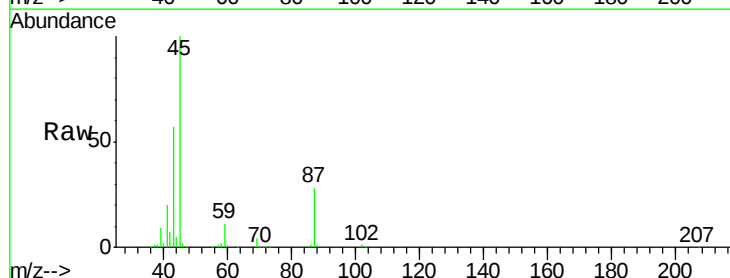
Ion Ratio Lower Upper

45 100

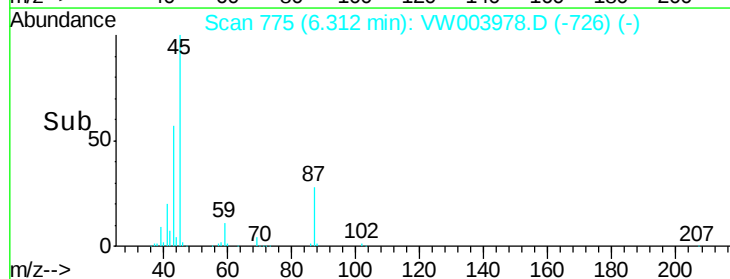
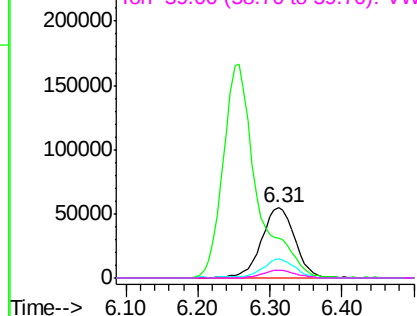
43 56.5 44.3 66.5

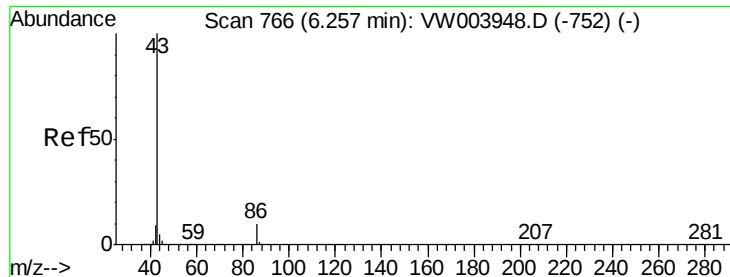
87 27.2 20.2 30.4

59 11.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 106.63 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

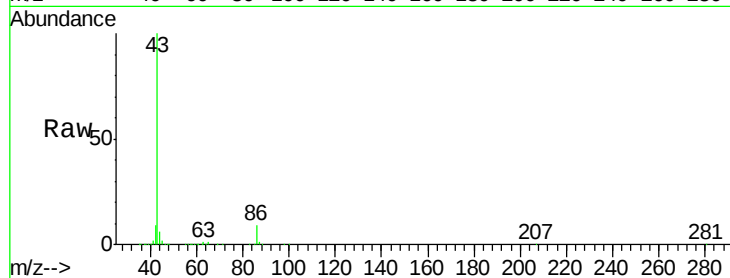
VW0717SBS01

Tot Ion: 43 Resp: 545874

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

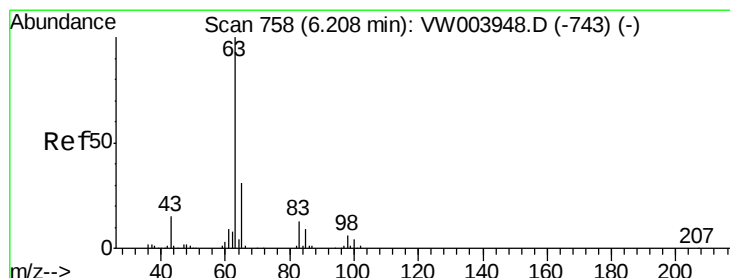
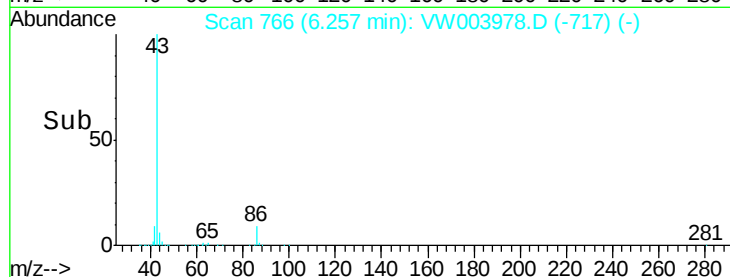
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.28 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

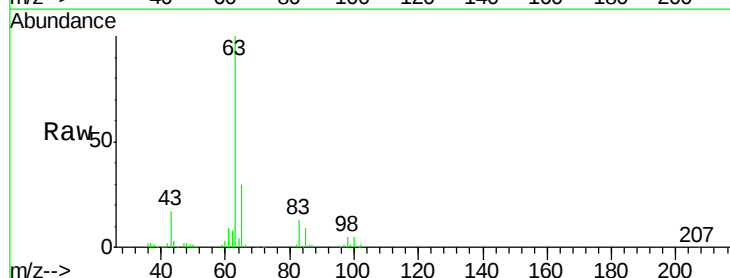
Tgt Ion: 63 Resp: 104885

Ion Ratio Lower Upper

63 100

98 5.3 3.1 9.4

100 4.6 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

50000

40000

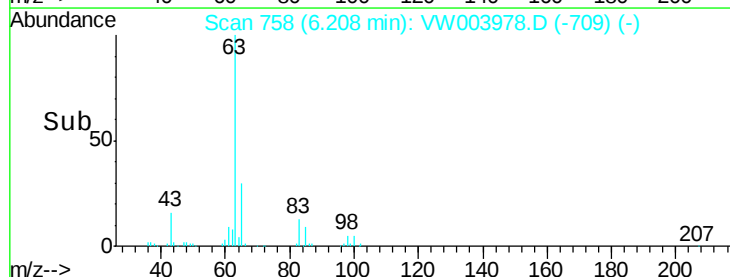
30000

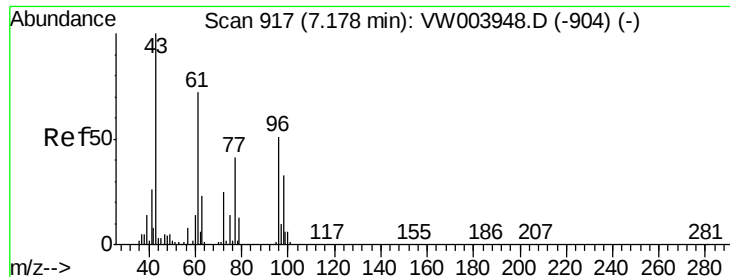
20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.88 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

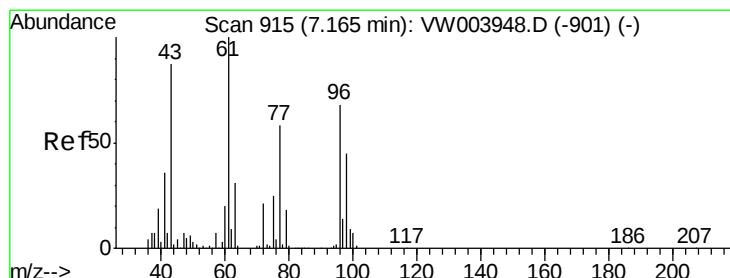
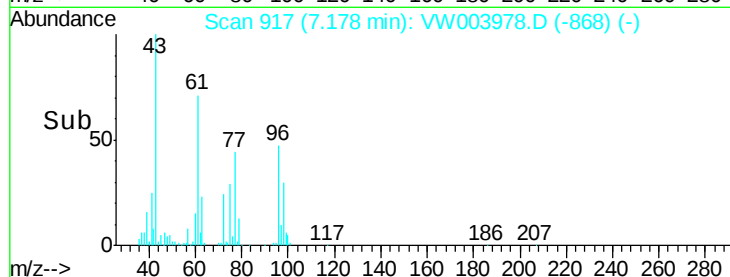
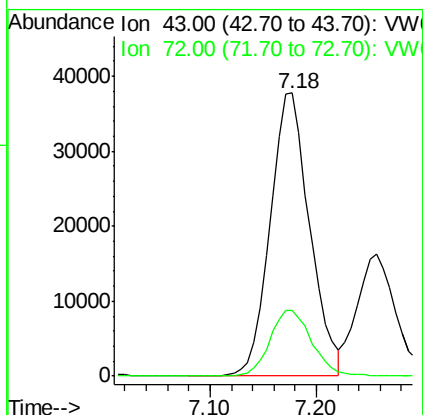
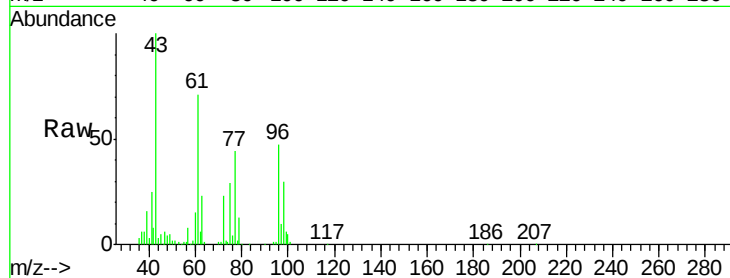
VW0717SBS01

Tot Ion: 43 Resp: 97181

Ion Ratio Lower Upper

43 100

72 23.4 19.8 29.6



#26

2,2-Dichloropropane

Concen: 22.11 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003978.D

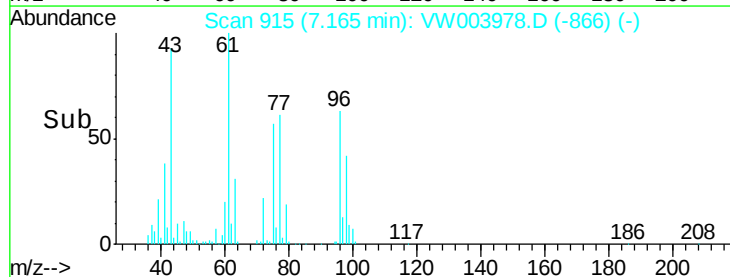
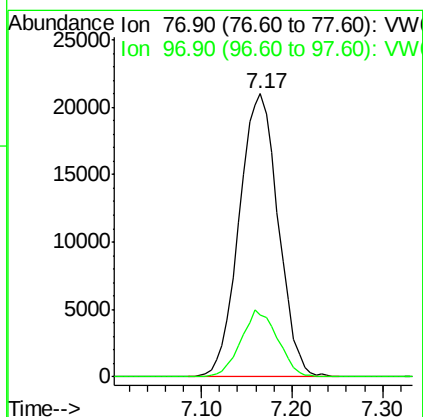
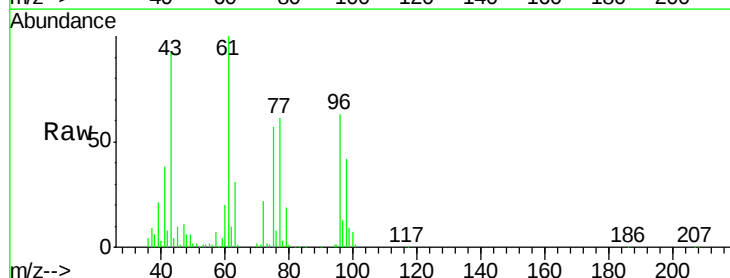
Acq: 17 Jul 2018 12:16

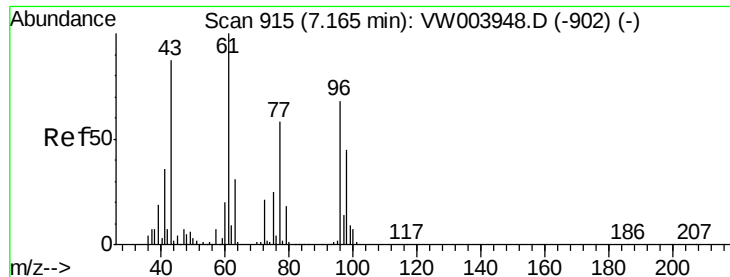
Tgt Ion: 77 Resp: 62576

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.3



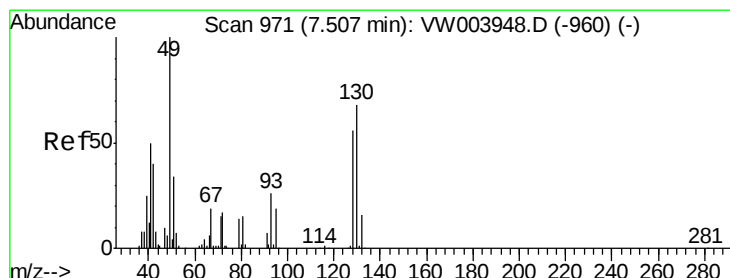
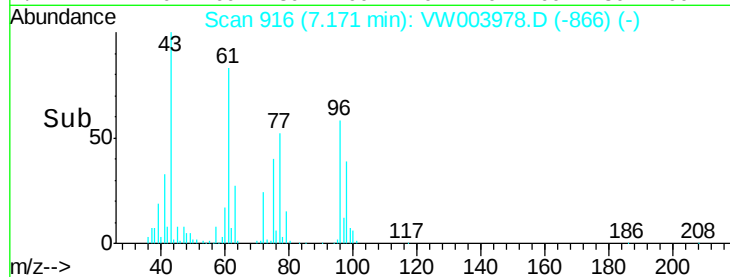
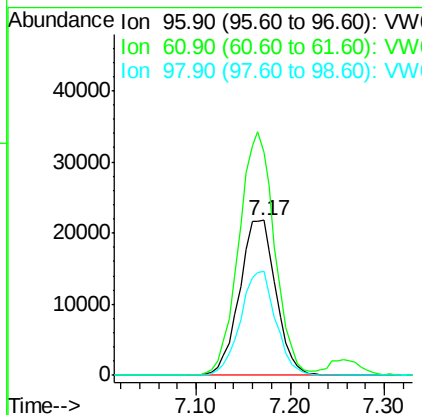
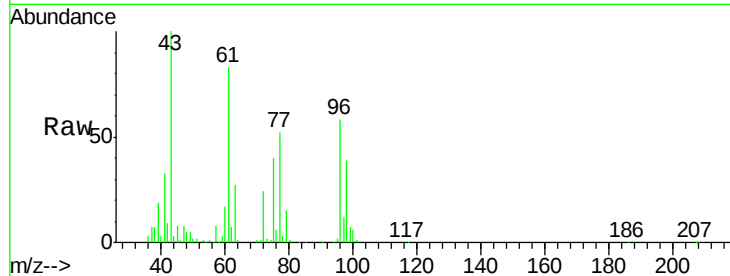


#27

cis-1,2-Dichloroethene
 Concen: 20.58 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

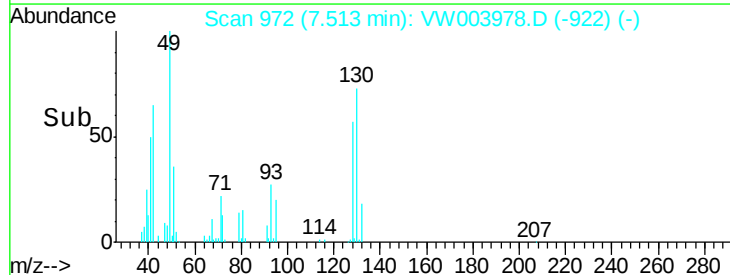
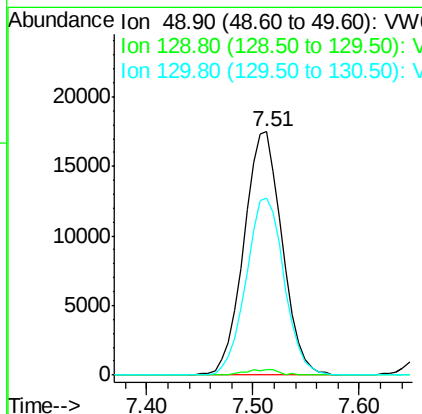
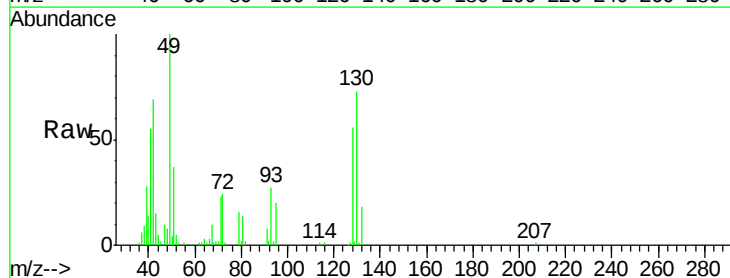
Tot Ion	96	Resp	59073
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	298.6
98	64.7	0.0	130.4

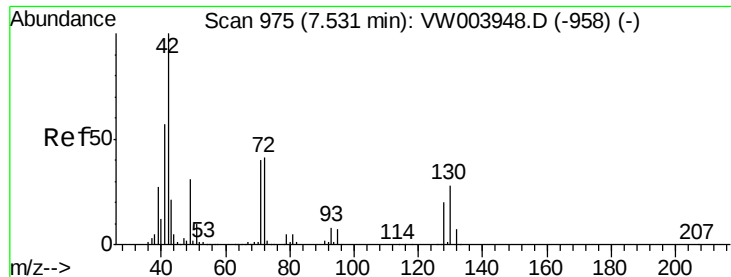


#28

Bromochloromethane
 Concen: 21.86 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion	49	Resp	44108
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.2
130	72.4	58.3	87.5

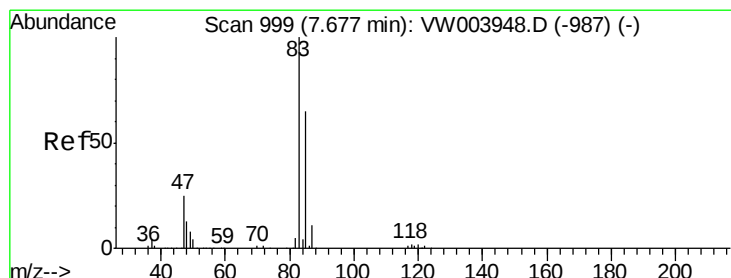
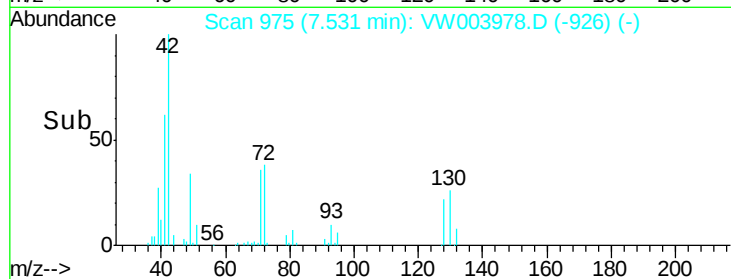
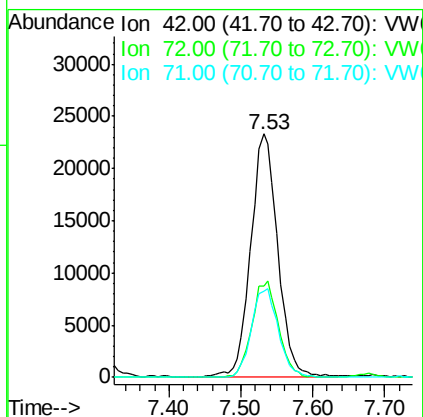
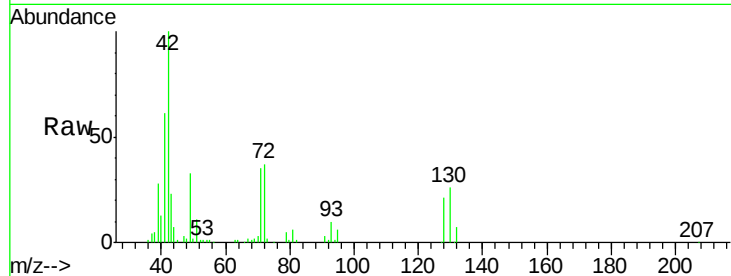




#29
Tetrahydrofuran
Concen: 109.13 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

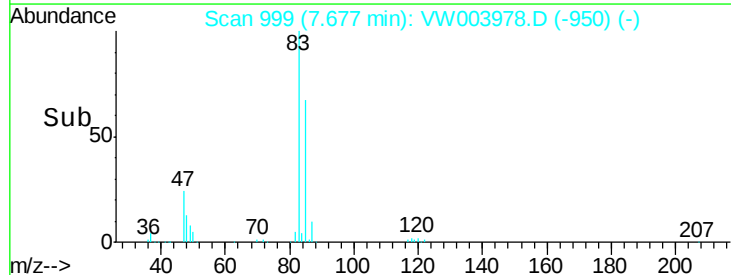
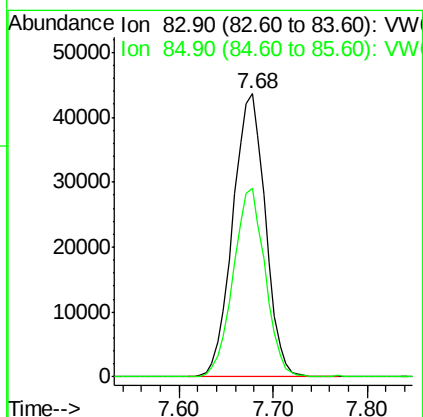
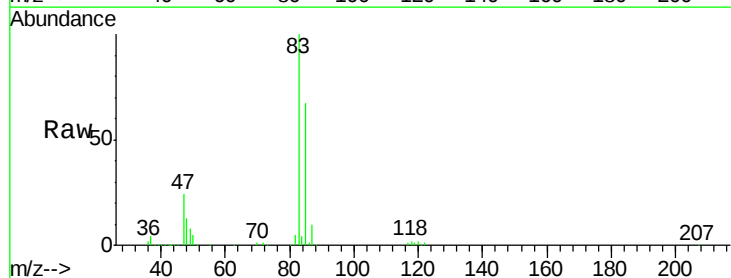
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

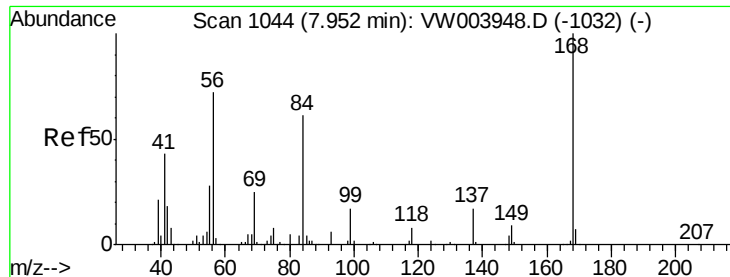
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	32.6	48.8
71	36.1	30.5	45.7



#30
Chloroform
Concen: 21.43 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4

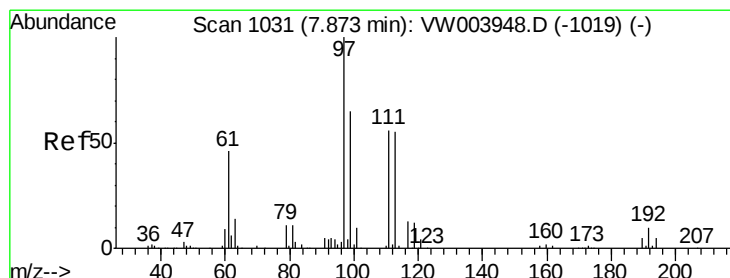
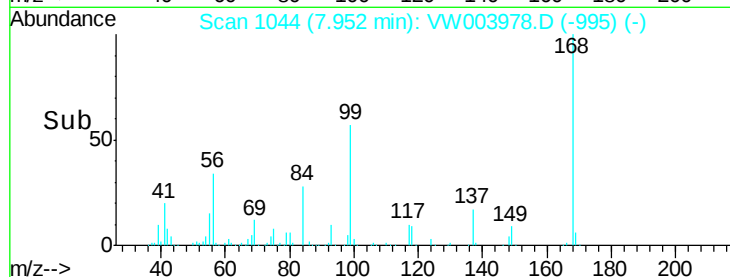
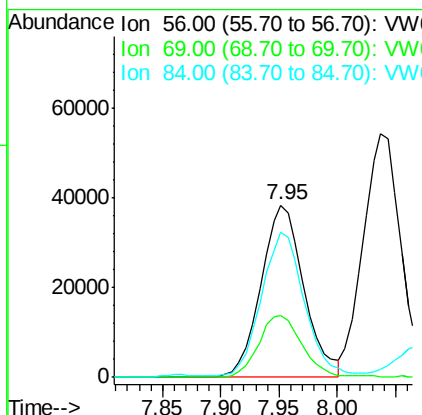
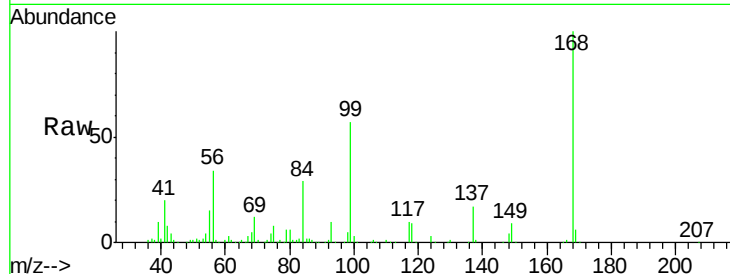




#31
Cyclohexane
Concen: 21.21 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

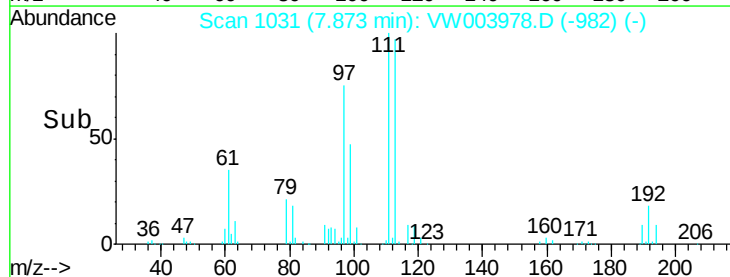
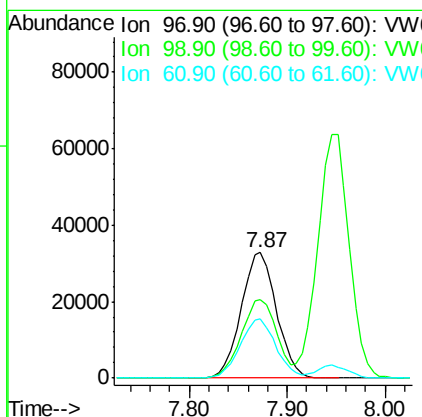
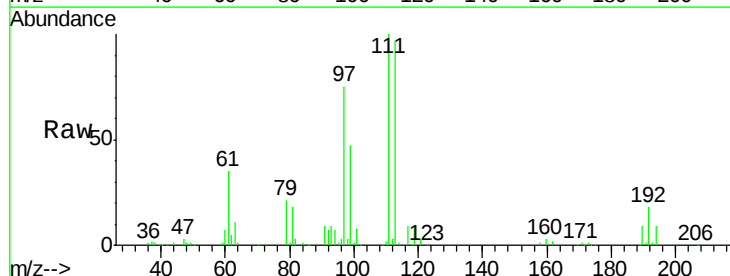
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

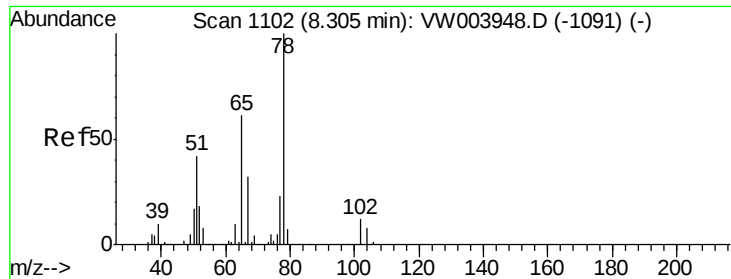
Tot Ion: 56 Resp: 97995
Ion Ratio Lower Upper
56 100
69 36.2 27.8 41.8
84 82.9 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 21.43 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 97 Resp: 82073
Ion Ratio Lower Upper
97 100
99 62.8 51.3 76.9
61 47.7 36.8 55.2





#33

1,2-Dichloroethane-d4

Concen: 54.65 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

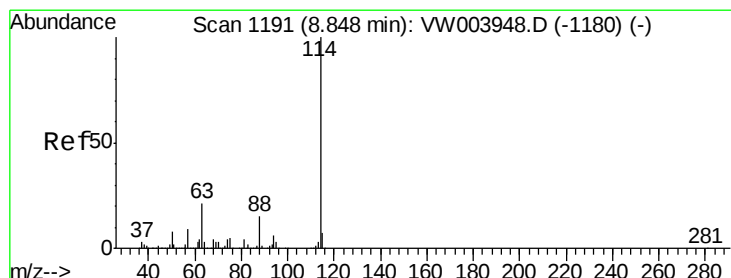
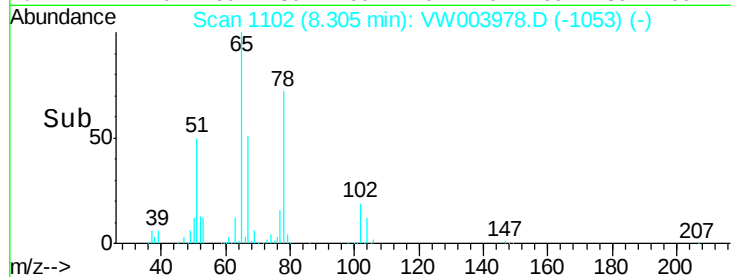
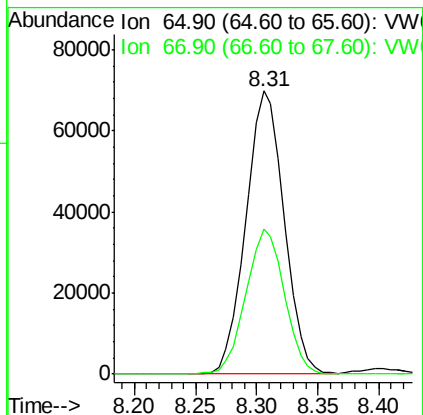
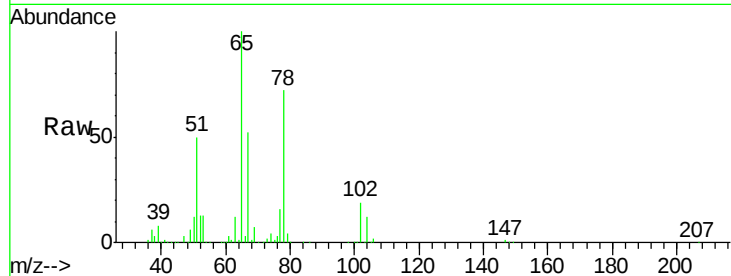
VW0717SBS01

Tot Ion: 65 Resp: 152239

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

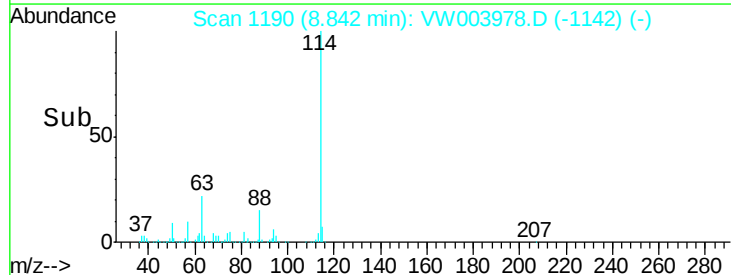
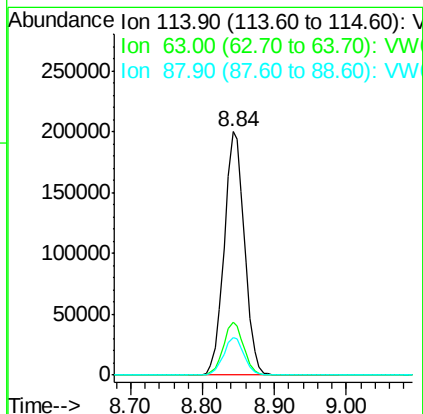
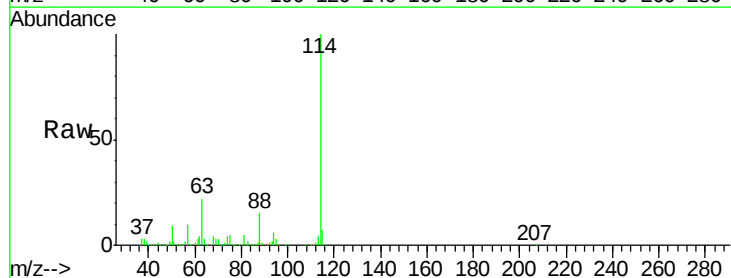
Tgt Ion: 114 Resp: 391237

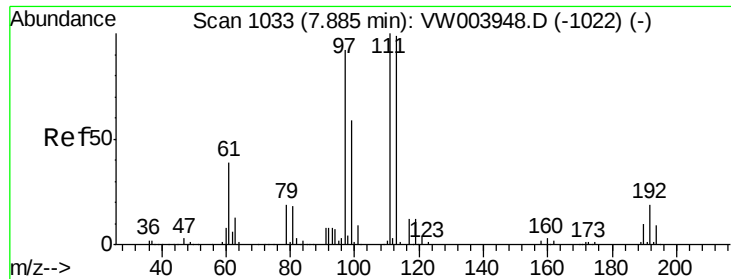
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.8

88 15.2 0.0 30.4

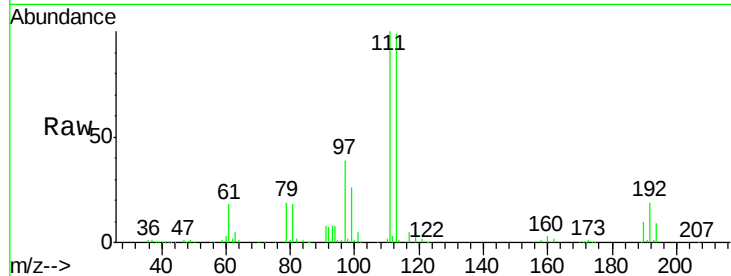




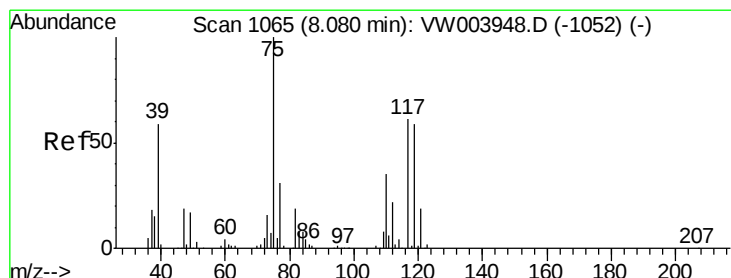
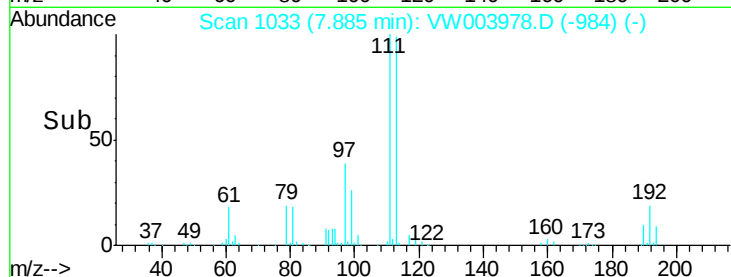
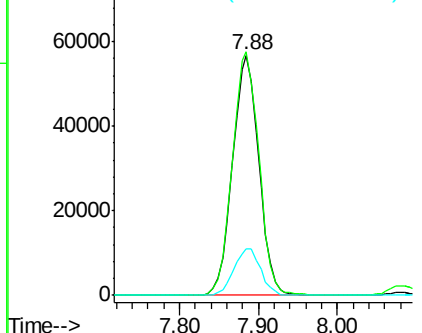
#35
 Dibromofluoromethane
 Concen: 52.31 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	19.8	15.8	23.6

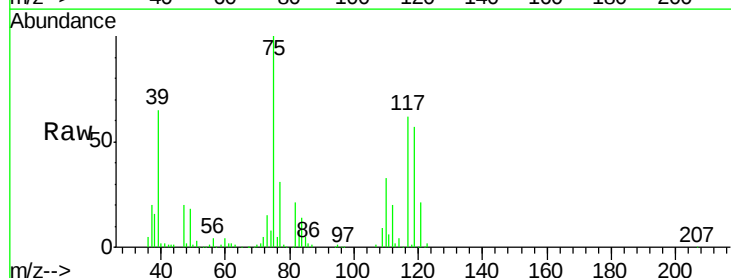


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

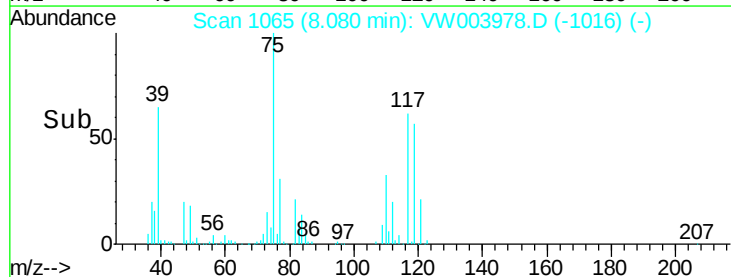
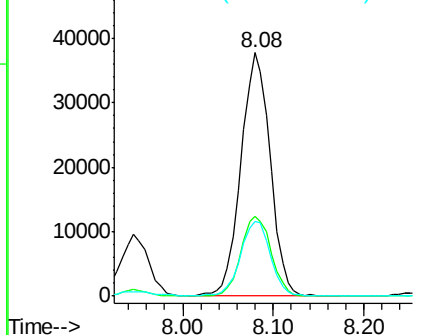


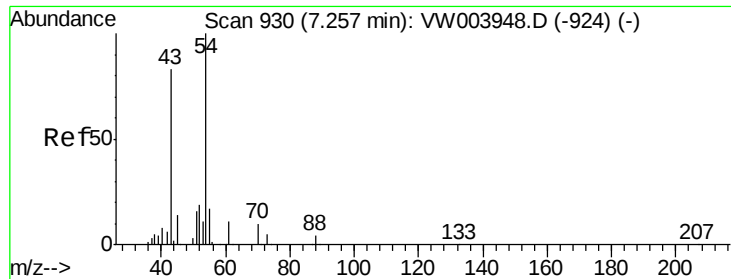
#36
 1,1-Dichloropropene
 Concen: 21.01 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.0	51.0
77	31.8	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

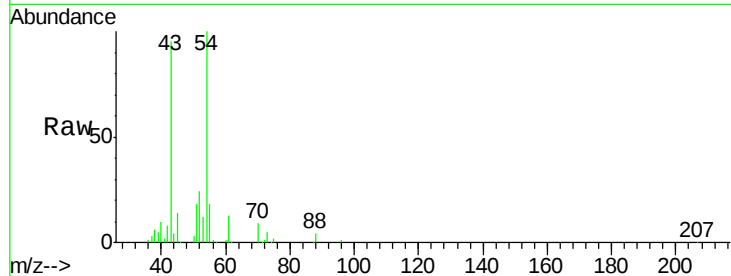




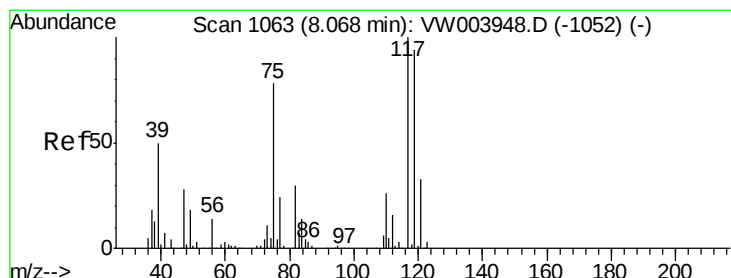
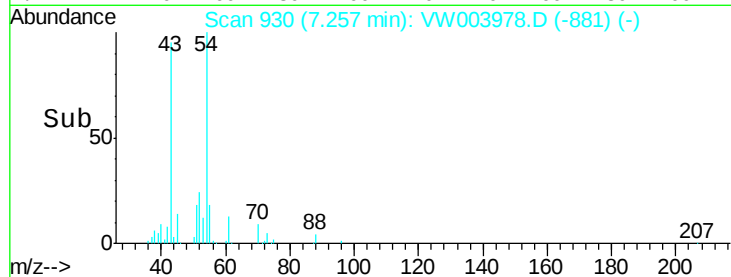
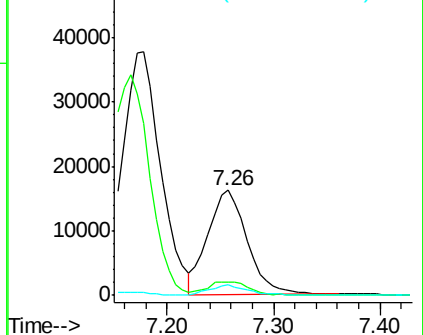
#37
Ethyl Acetate
Concen: 21.53 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

Tot Ion: 43 Resp: 41803
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 9.5 7.7 11.5

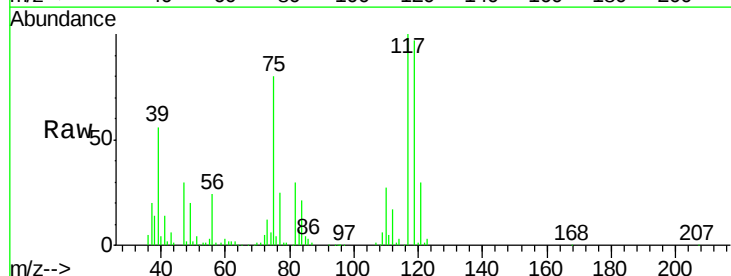


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

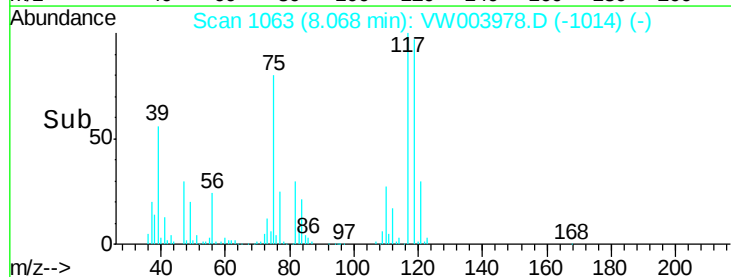
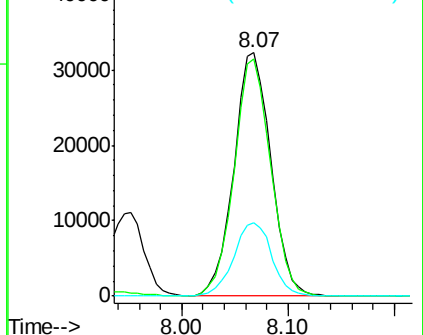


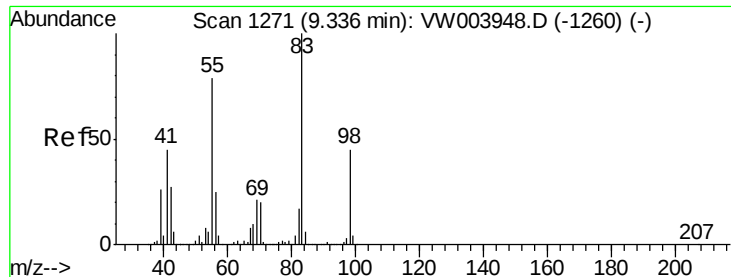
#38
Carbon Tetrachloride
Concen: 20.95 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 117 Resp: 78787
Ion Ratio Lower Upper
117 100
119 97.3 75.3 112.9
121 30.2 26.0 39.0



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

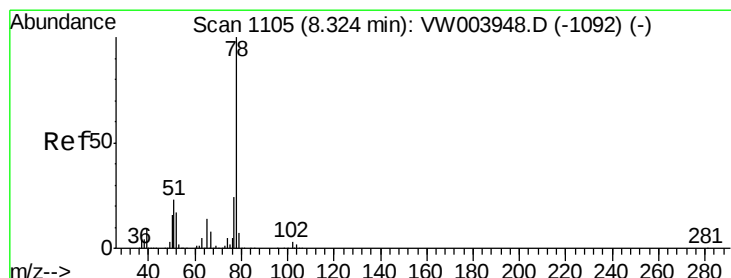
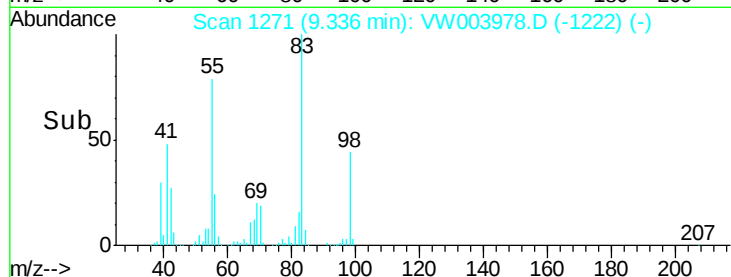
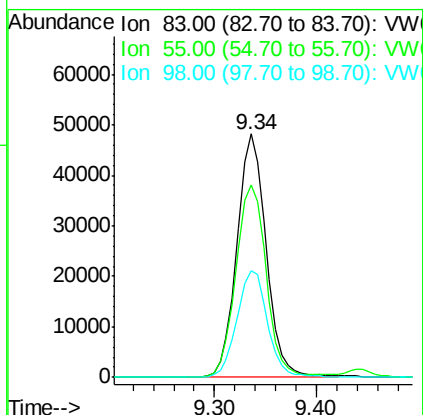
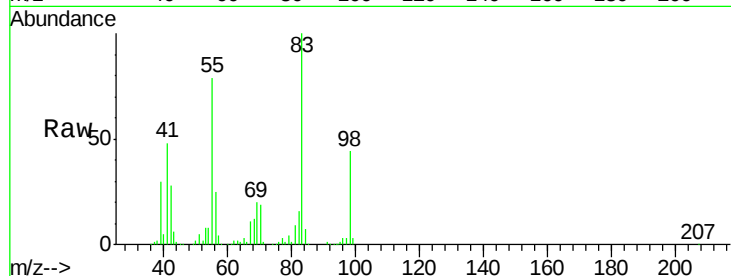




#39
Methvlcvclohexane
Concen: 20.33 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

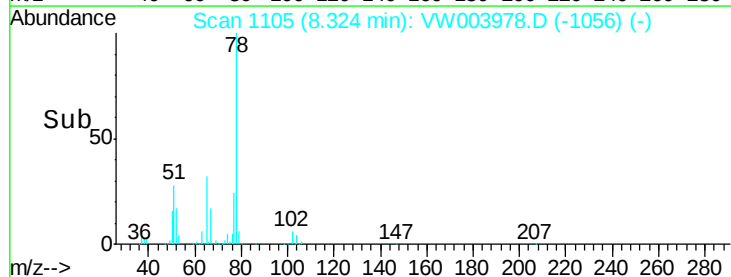
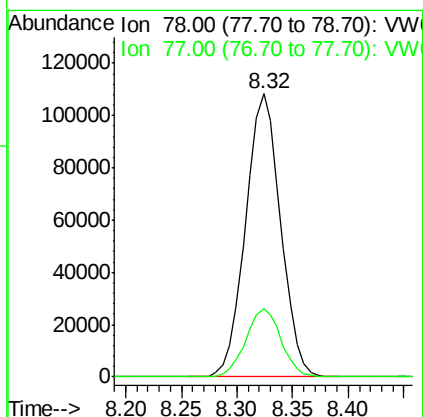
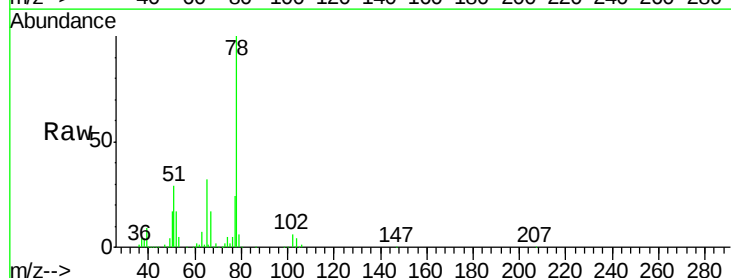
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

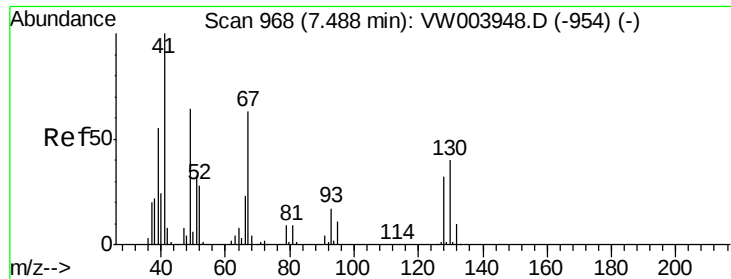
Tot Ion: 83 Resp: 95817
Ion Ratio Lower Upper
83 100
55 79.2 62.8 94.2
98 43.9 36.2 54.4



#40
Benzene
Concen: 21.26 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 78 Resp: 237473
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3

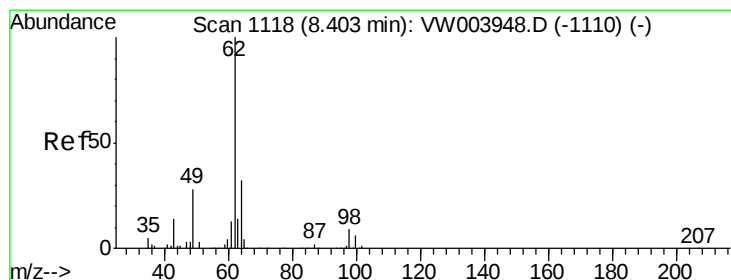
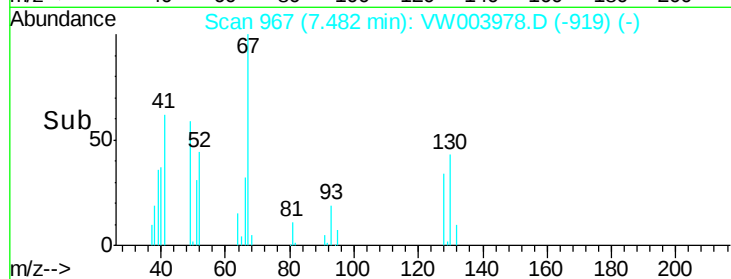
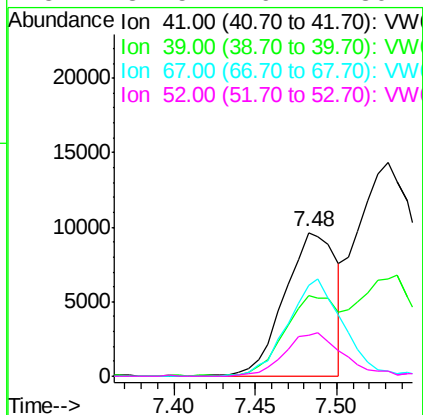
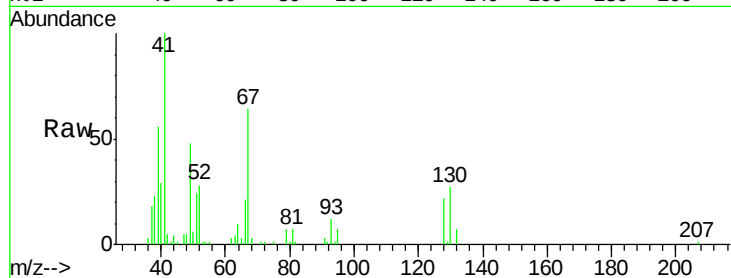




#41
Methacrylonitrile
Concen: 19.79 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

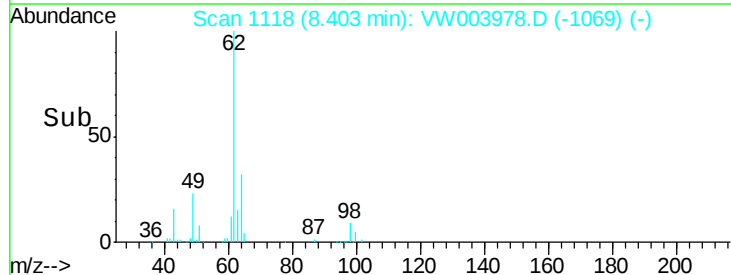
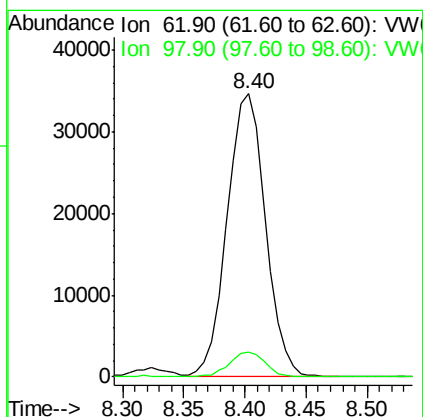
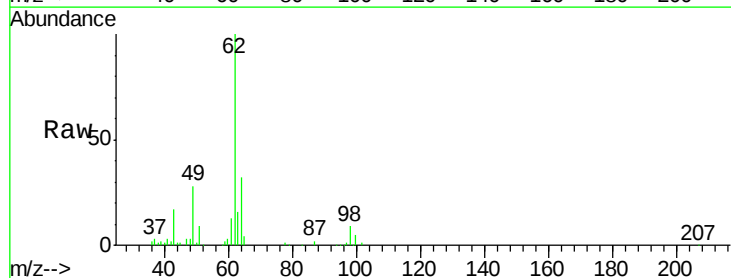
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

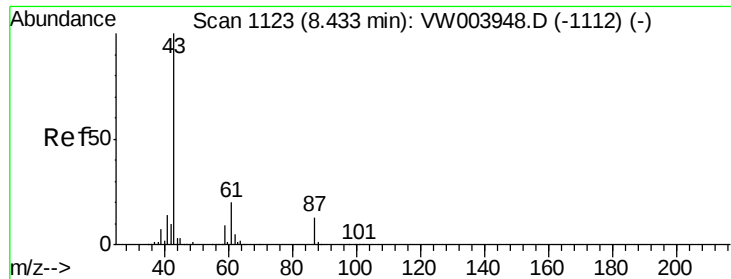
Tot Ion:	41	Resp:	21291
Ion	Ratio	Lower	Upper
41	100		
39	56.1	50.0	75.0
67	72.5	60.8	91.2
52	34.5	26.2	39.4



#42
1,2-Dichloroethane
Concen: 22.13 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:	62	Resp:	75399
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4



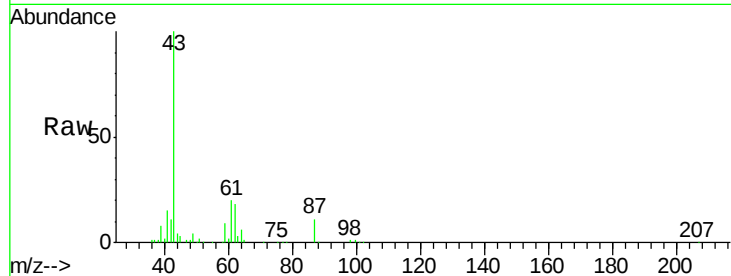


#43

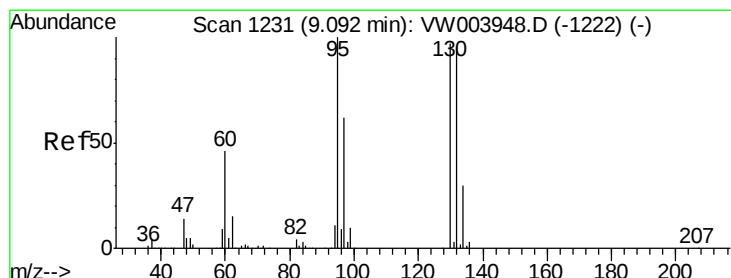
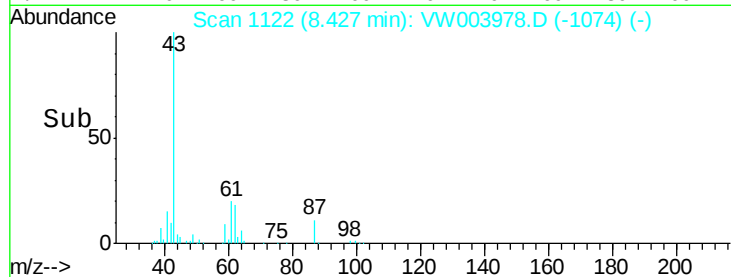
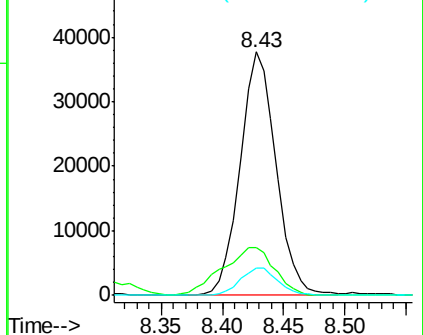
Isopropyl Acetate
 Concen: 21.19 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

Tot Ion: 43 Resp: 76963
 Ion Ratio Lower Upper
 43 100
 61 28.6 23.0 34.6
 87 11.8 9.9 14.9



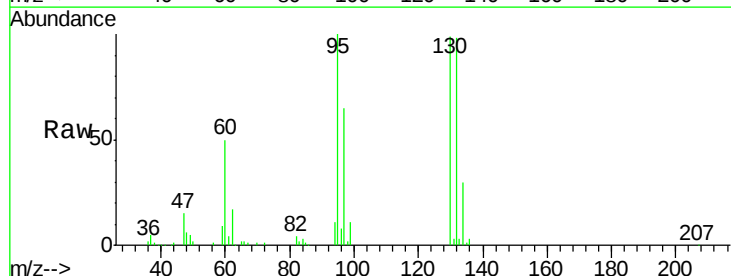
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



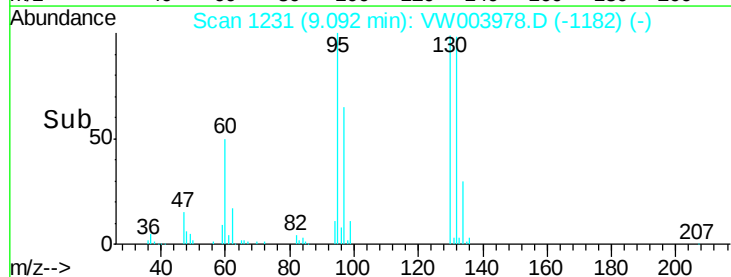
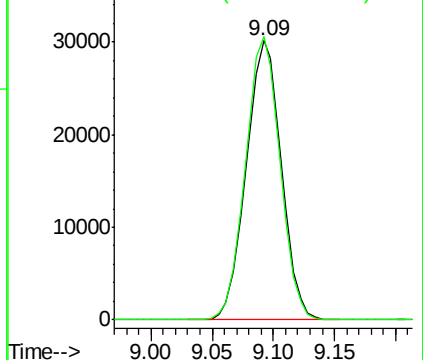
#44

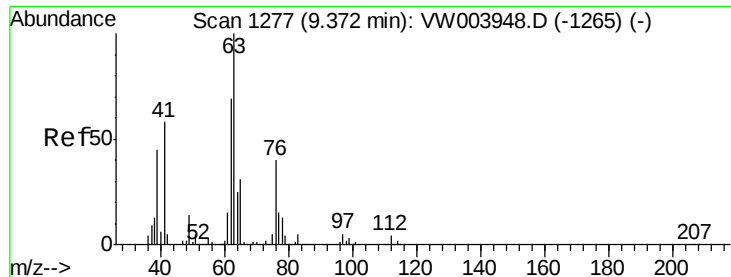
Trichloroethene
 Concen: 20.74 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 130 Resp: 60028
 Ion Ratio Lower Upper
 130 100
 95 101.4 0.0 206.8



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

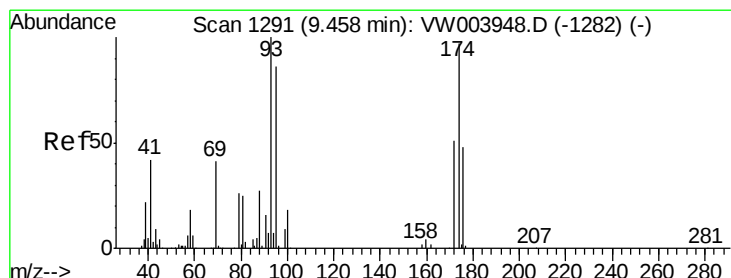
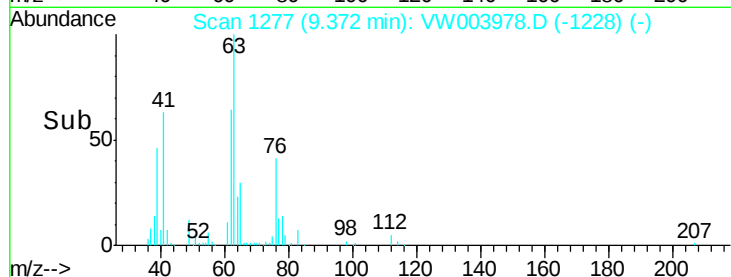
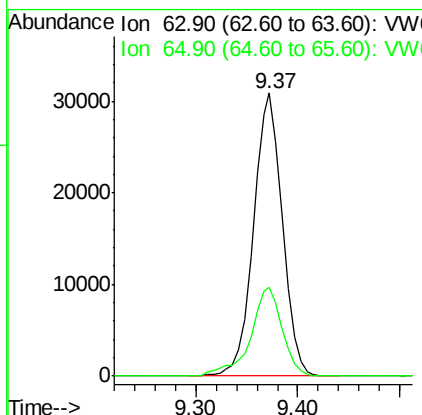
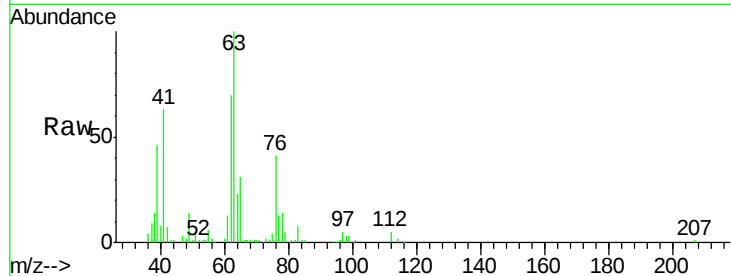




#45
 1,2-Dichloropropane
 Concen: 21.32 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

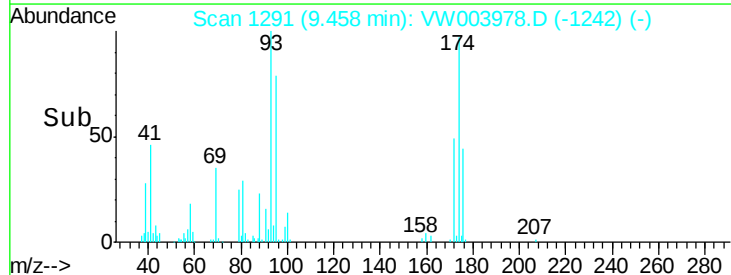
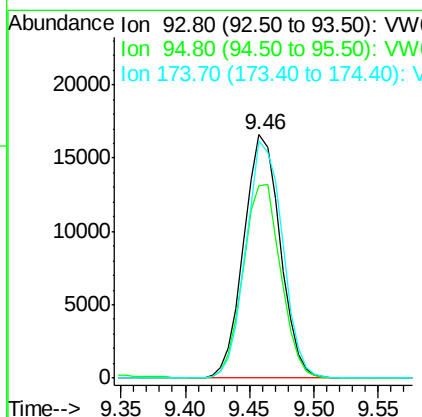
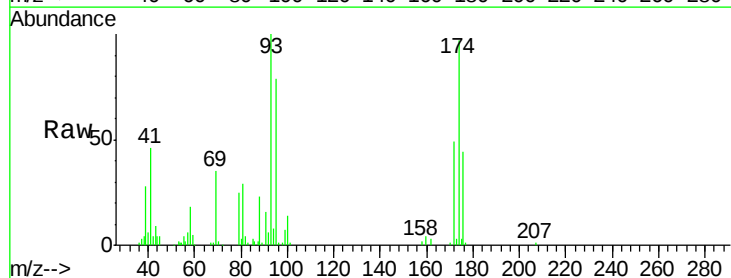
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

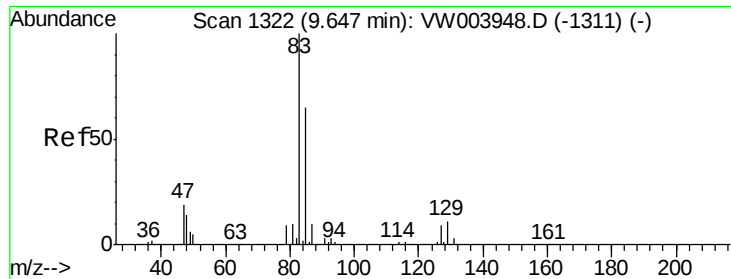
Tot Ion: 63 Resp: 60762
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2



#46
 Dibromomethane
 Concen: 21.96 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 93 Resp: 32483
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.9 100.3
 174 97.8 80.2 120.2

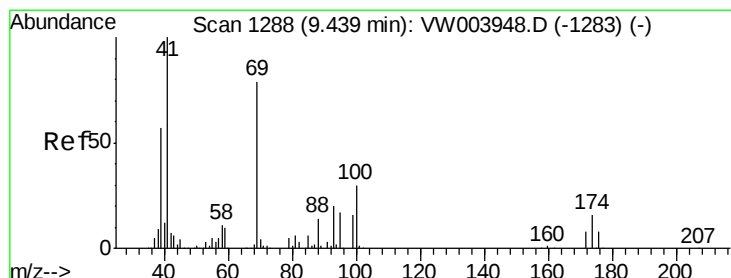
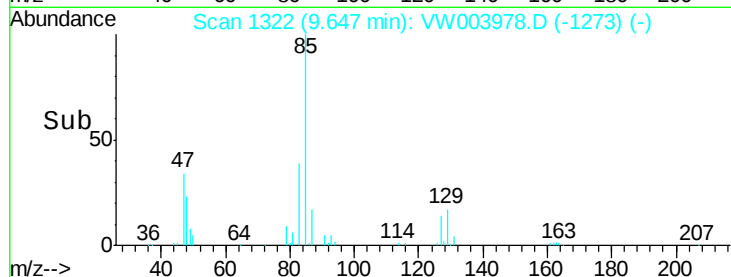
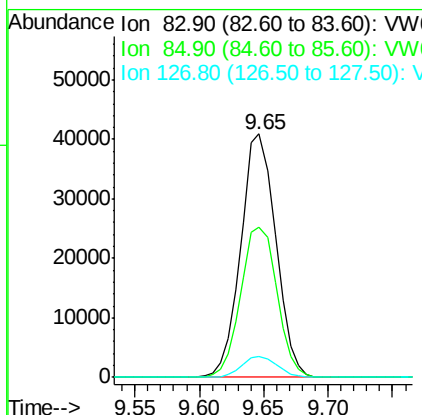
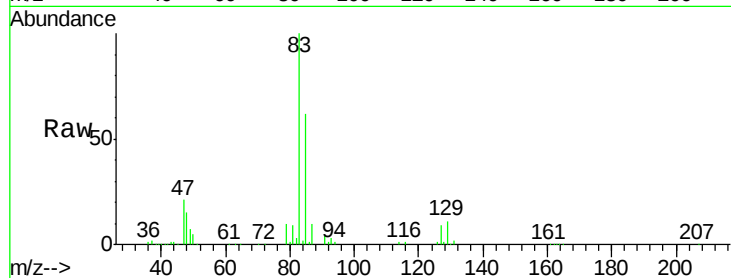




#47
Bromodichloromethane
Concen: 21.13 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

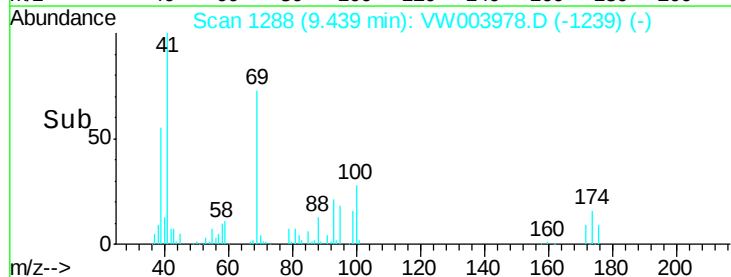
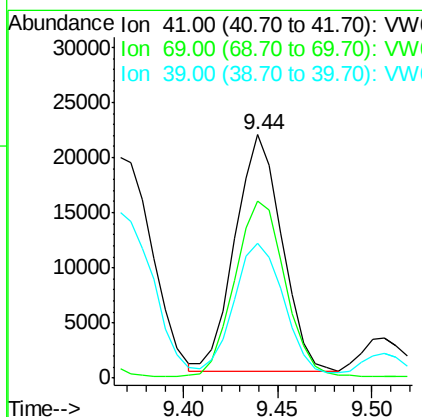
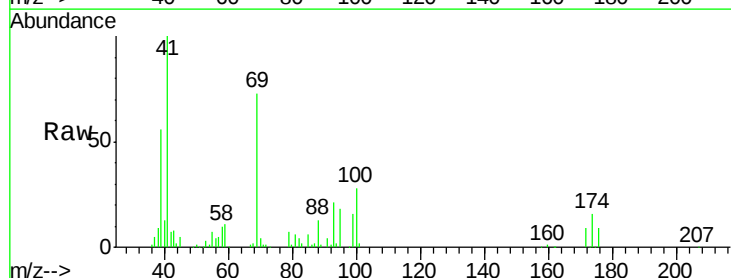
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

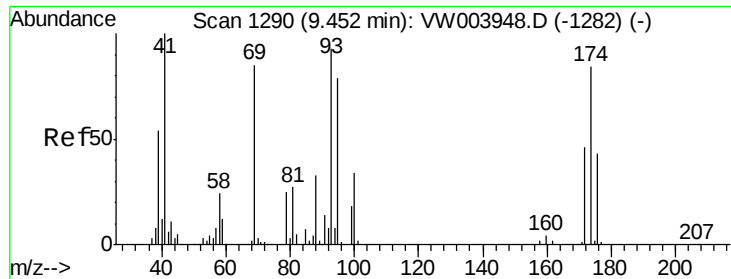
Tot Ion: 83 Resp: 77038
Ion Ratio Lower Upper
83 100
85 61.9 52.2 78.2
127 8.8 7.0 10.4



#48
Methyl methacrylate
Concen: 20.93 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 41 Resp: 36754
Ion Ratio Lower Upper
41 100
69 82.0 67.0 100.6
39 62.1 48.8 73.2

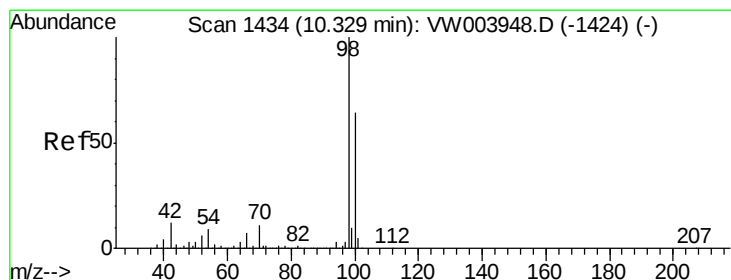
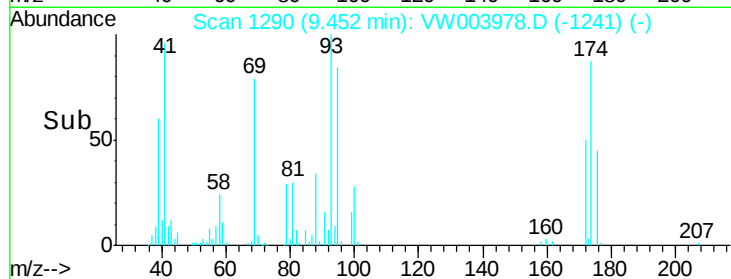
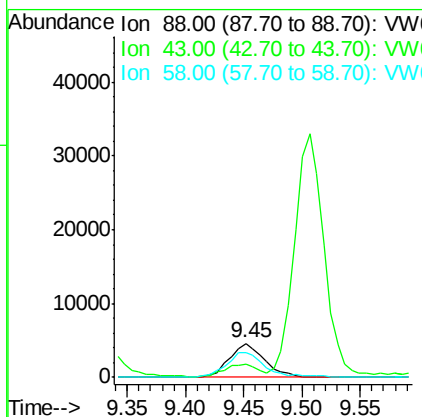
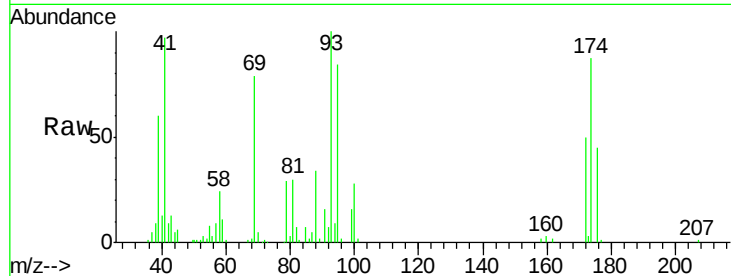




#49
1,4-Dioxane
Concen: 424.81 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

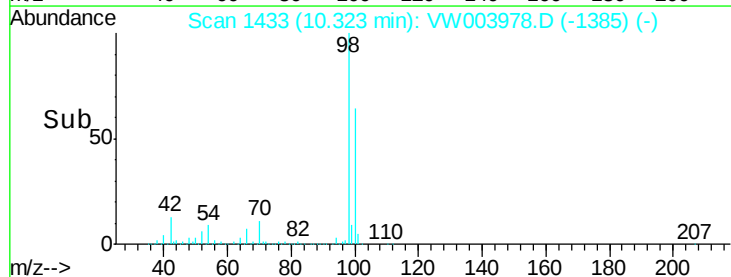
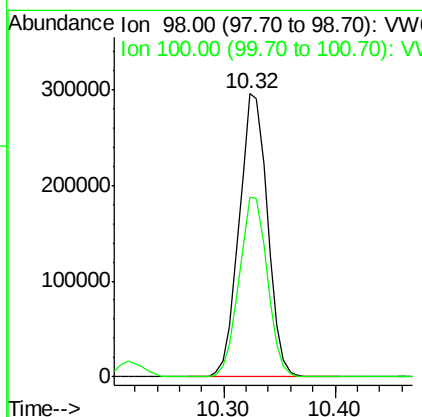
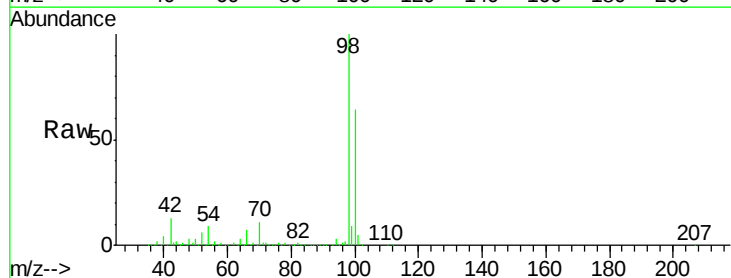
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

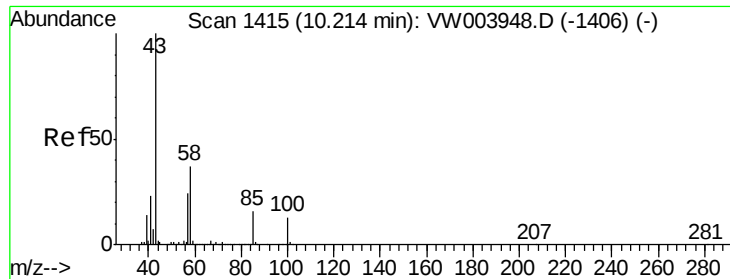
Tot Ion: 88 Resp: 9658
Ion Ratio Lower Upper
88 100
43 34.2 27.3 40.9
58 80.7 61.1 91.7



#50
Toluene-d8
Concen: 53.54 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 98 Resp: 521460
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8

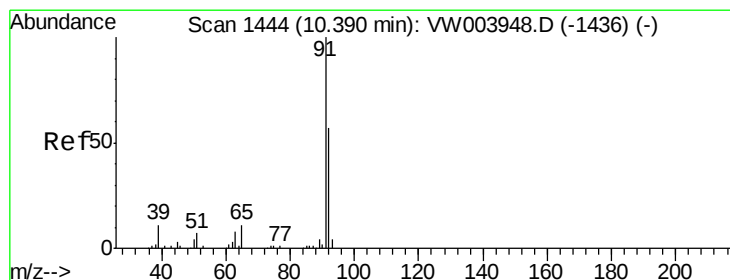
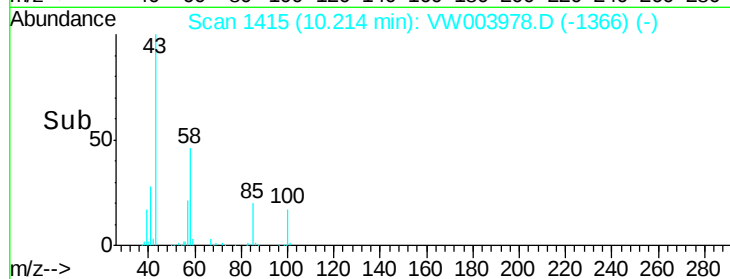
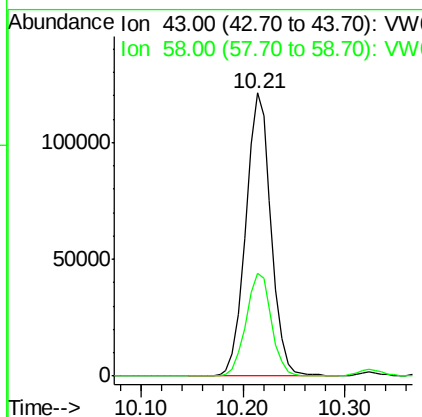
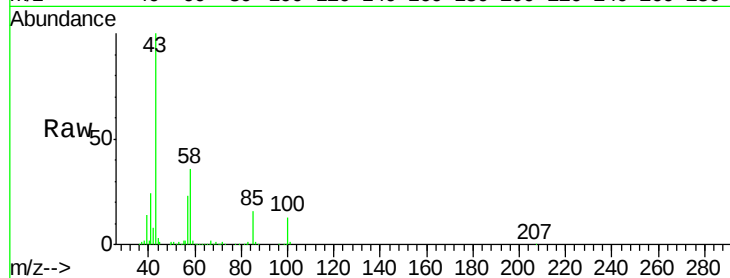




#51
 4-Methyl-2-Pentanone
 Concen: 107.54 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

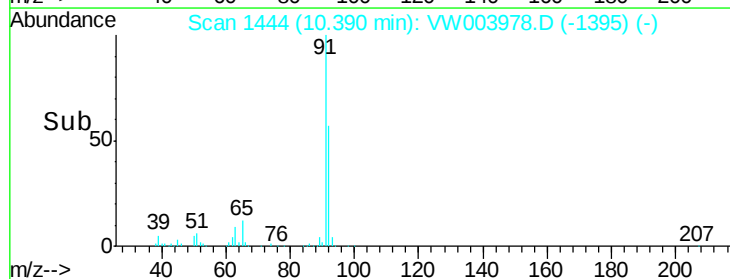
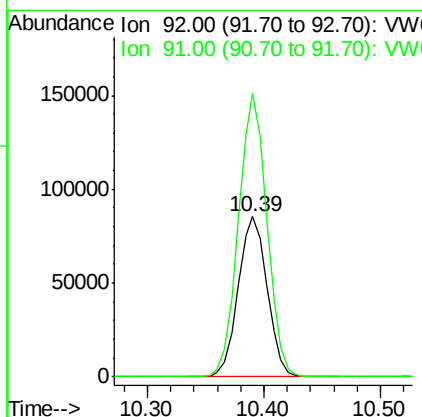
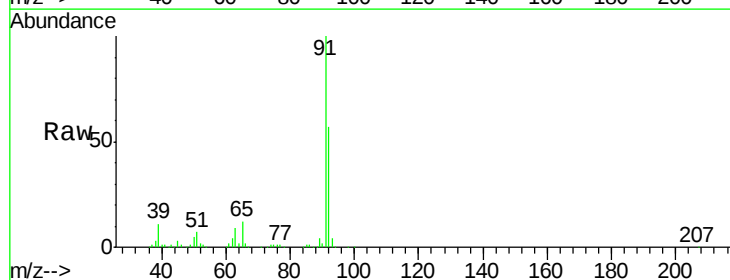
Instrument :
 MSVOA_W
 ClientSampled :
 VW0717SBS01

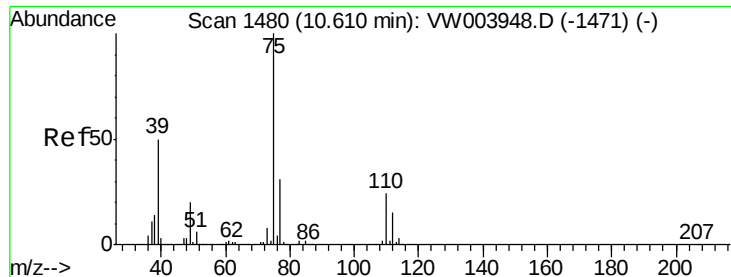
Tot Ion: 43 Resp: 208047
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.9 44.9



#52
 Toluene
 Concen: 21.41 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 92 Resp: 147821
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 20.74 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampled :

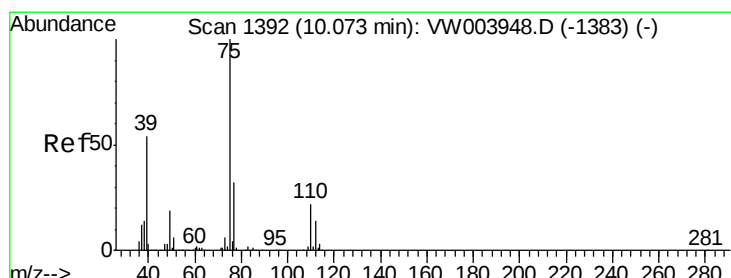
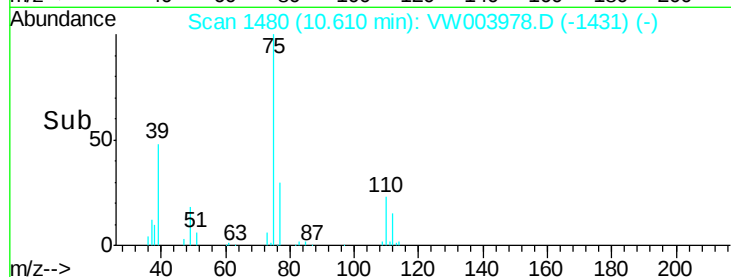
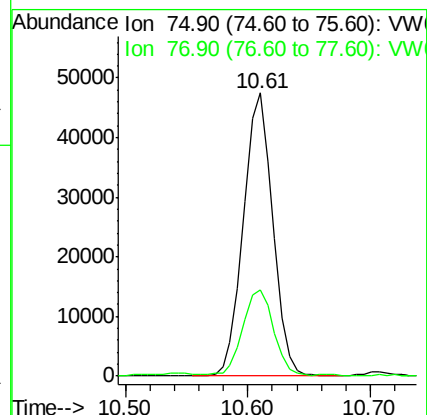
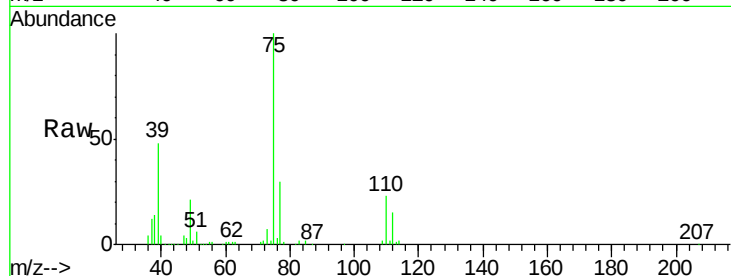
VW0717SBS01

Tot Ion: 75 Resp: 79084

Ion Ratio Lower Upper

75 100

77 30.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.85 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

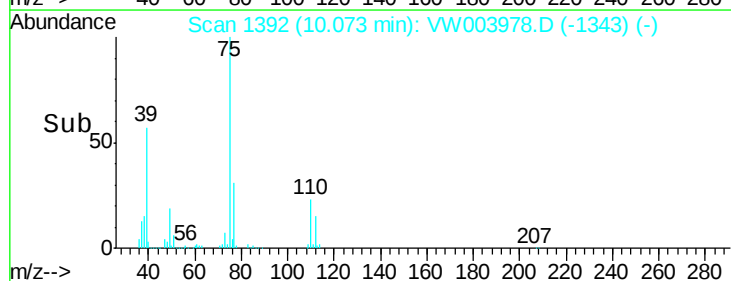
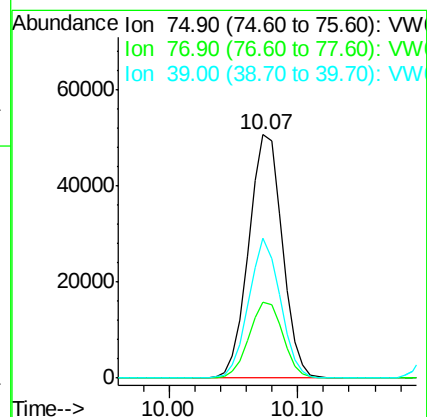
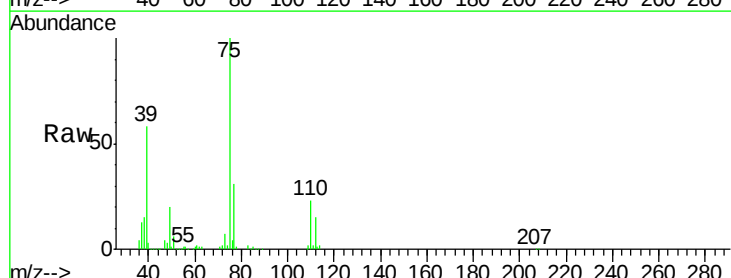
Tgt Ion: 75 Resp: 90933

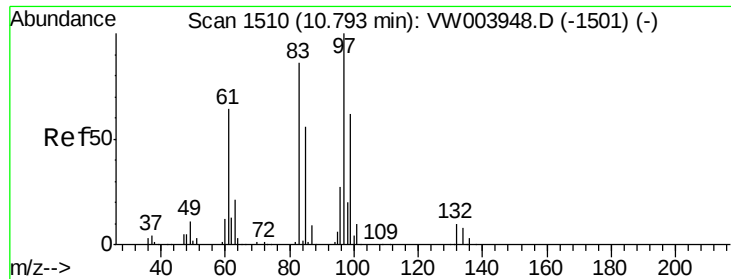
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

39 57.7 43.0 64.6

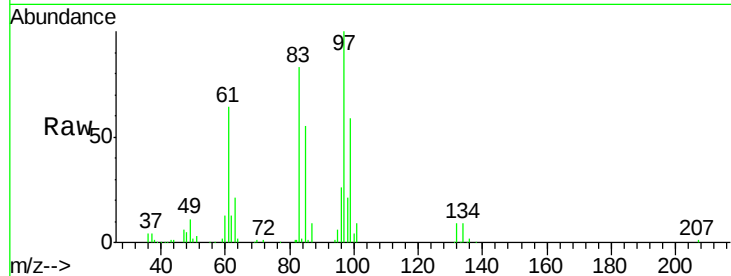




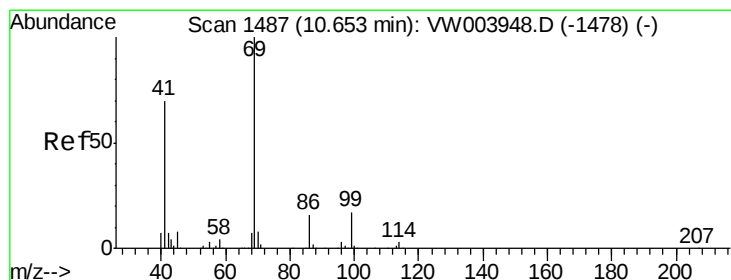
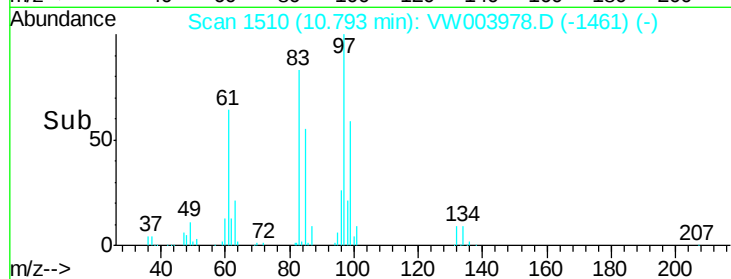
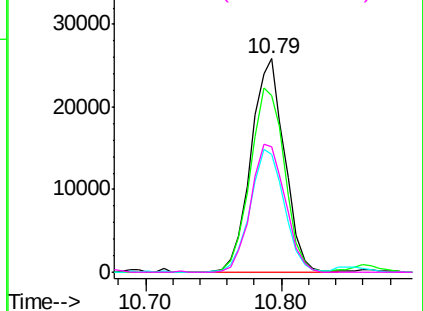
#55
 1,1,2-Trichloroethane
 Concen: 21.56 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

Tot Ion:	97	Resp:	44852
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.0	103.4
85	55.0	45.0	67.6
99	59.0	49.9	74.9

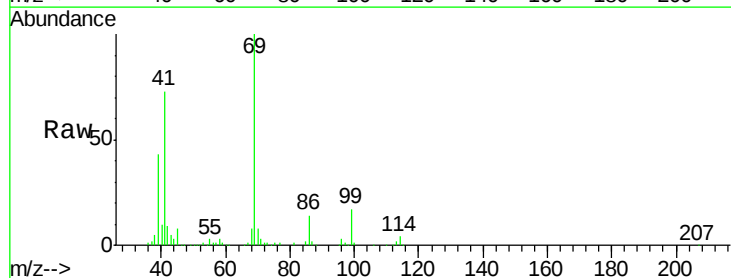


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

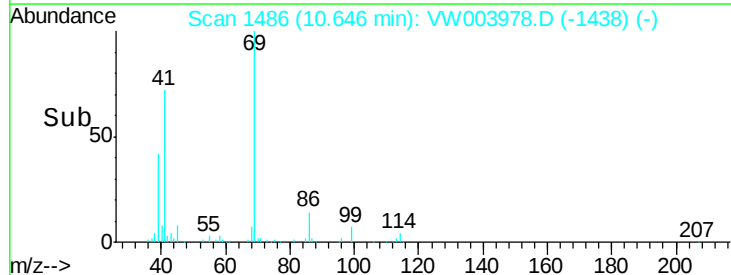
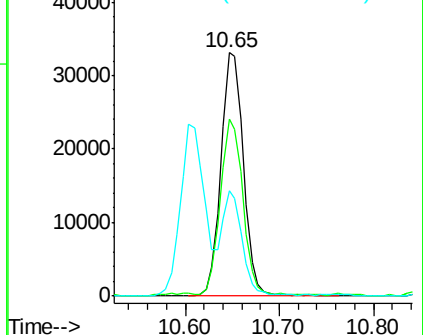


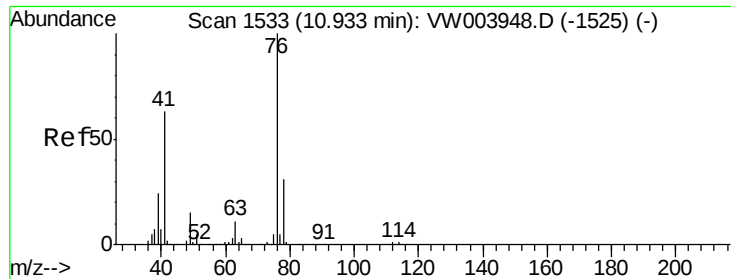
#56
 Ethyl methacrylate
 Concen: 20.31 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion:	69	Resp:	54912
Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.5	84.7
39	35.6	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

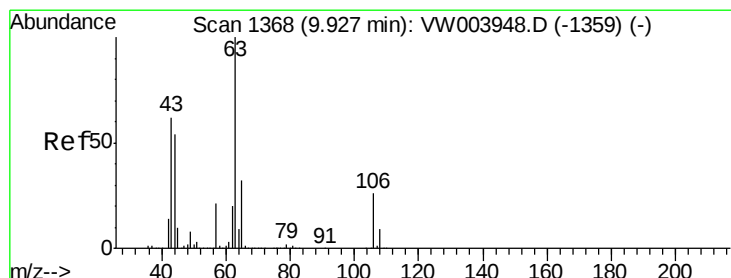
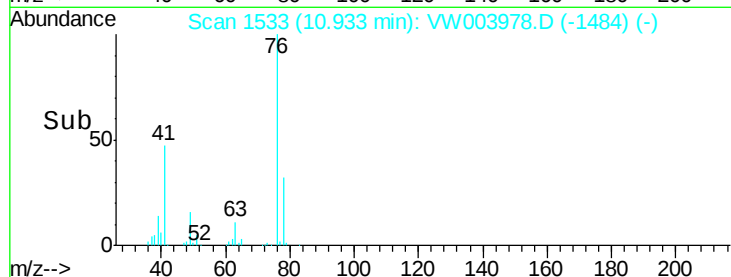
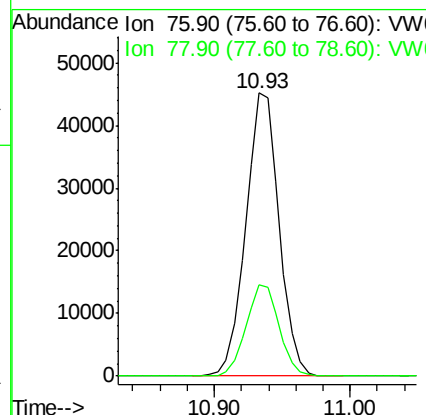
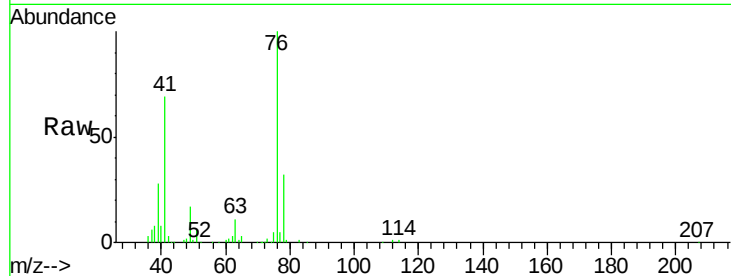




#57
 1,3-Dichloropropane
 Concen: 21.38 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

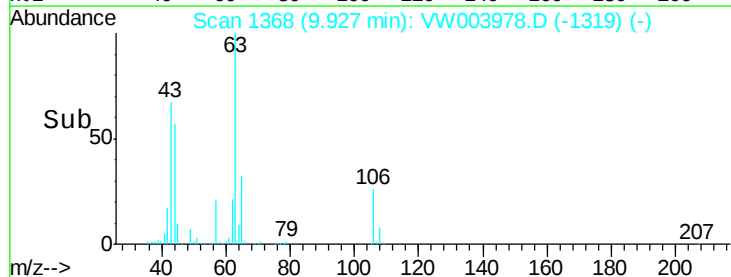
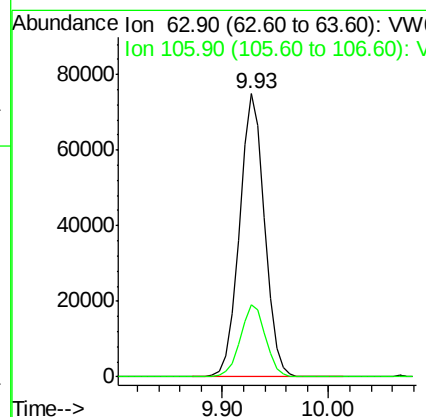
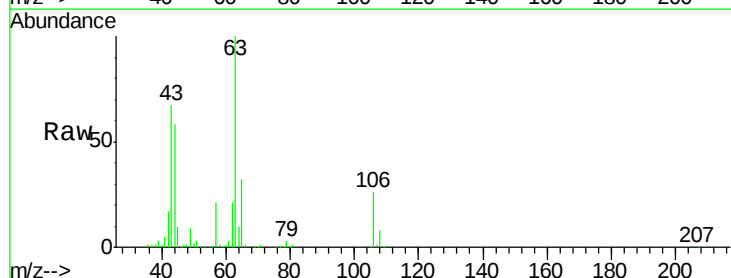
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

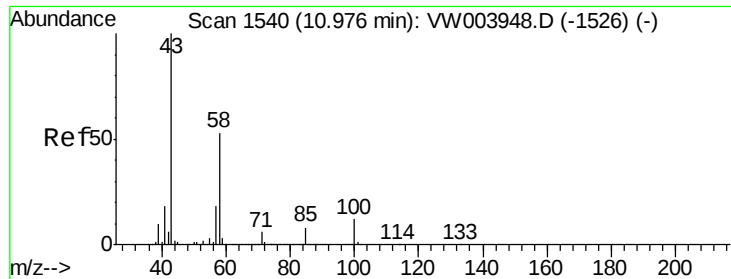
Tot Ion: 76 Resp: 77282
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.12 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 63 Resp: 123553
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.2 31.8

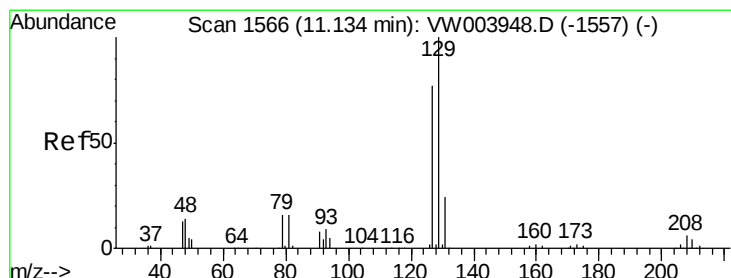
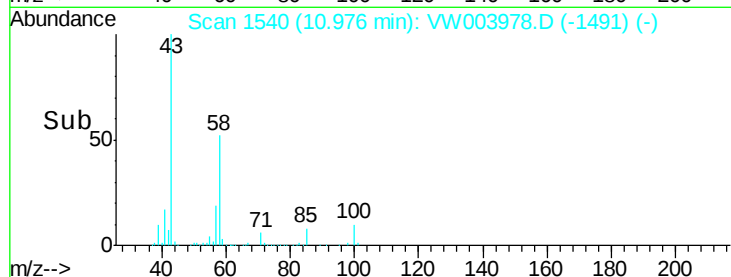
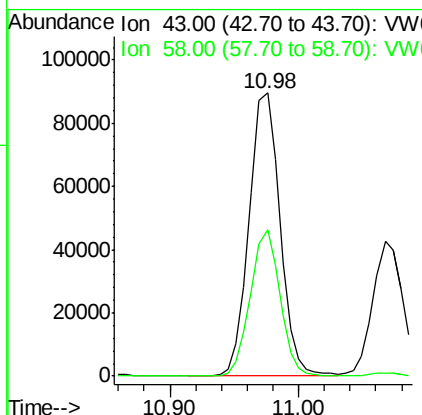
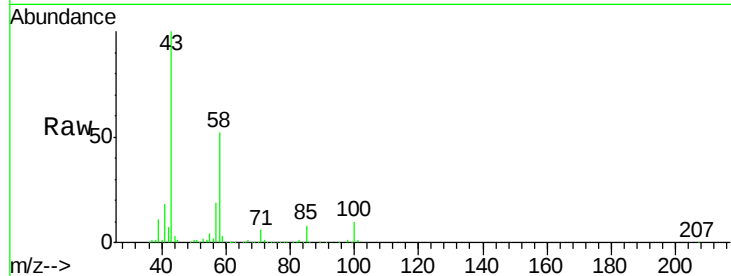




#59
2-Hexanone
Concen: 109.07 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

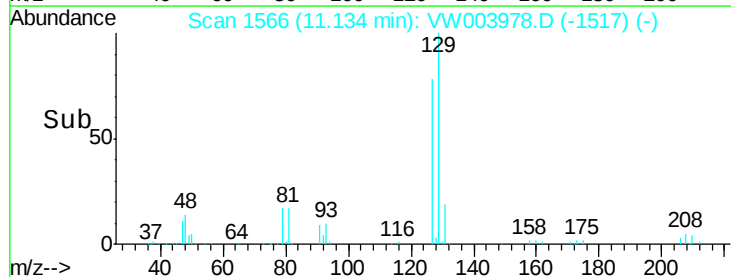
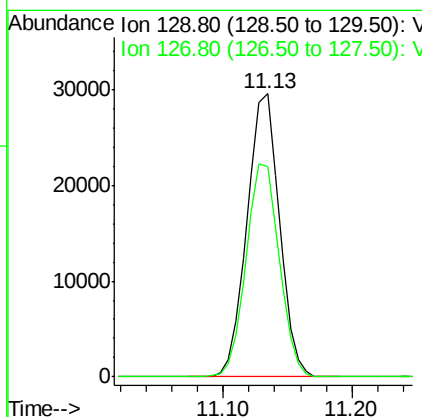
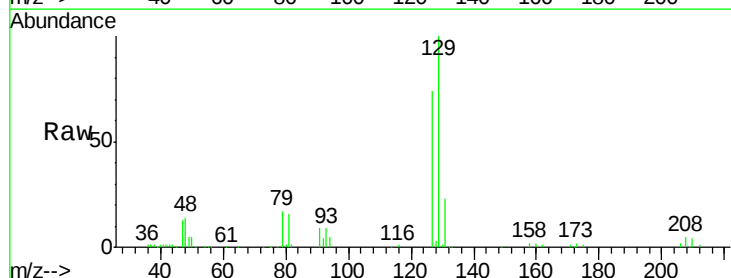
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

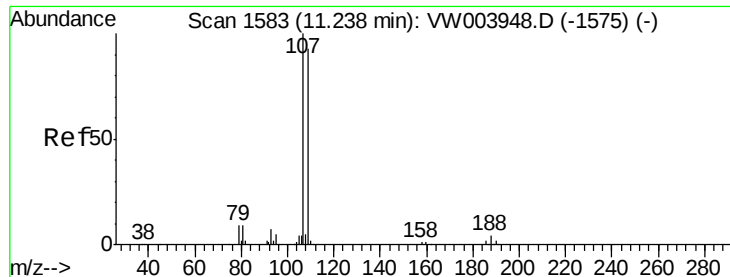
Tot Ion: 43 Resp: 148730
Ion Ratio Lower Upper
43 100
58 49.5 26.0 78.0



#60
Dibromochloromethane
Concen: 21.24 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 129 Resp: 51454
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3

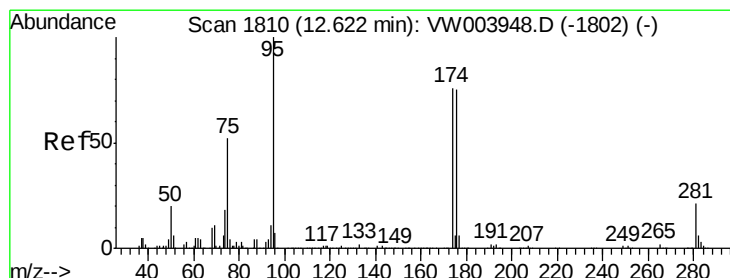
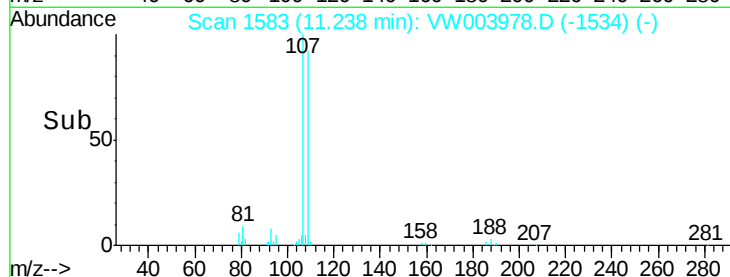
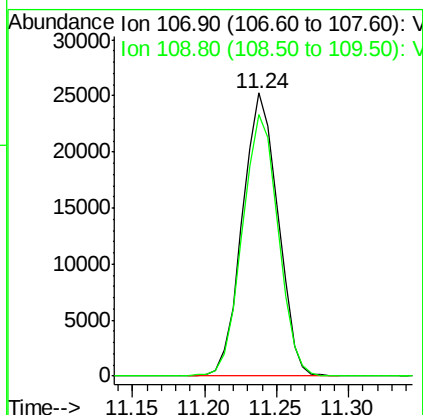
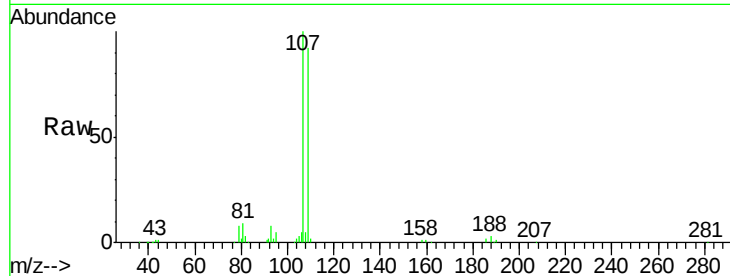




#61
 1,2-Dibromoethane
 Concen: 21.86 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

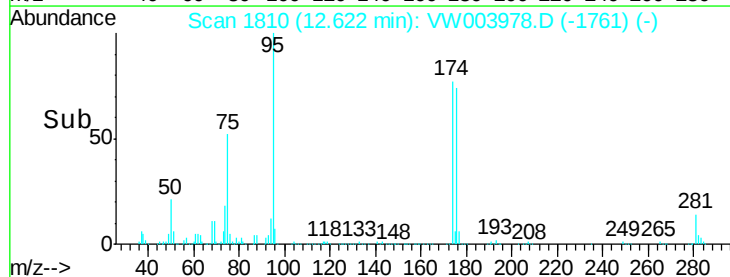
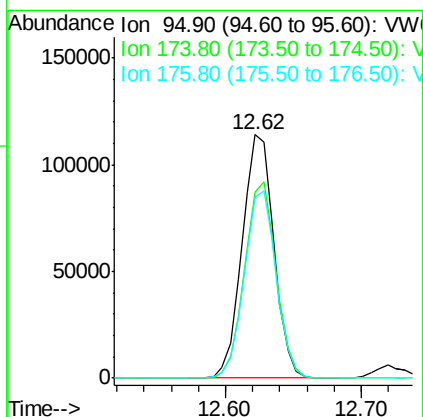
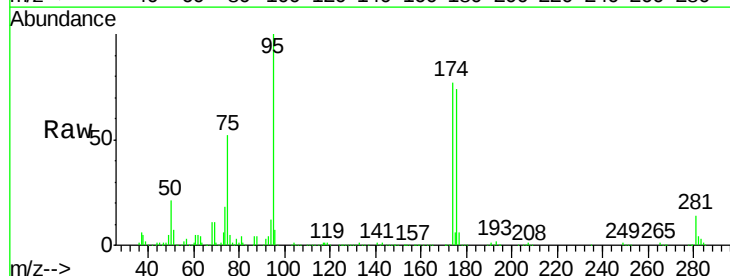
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

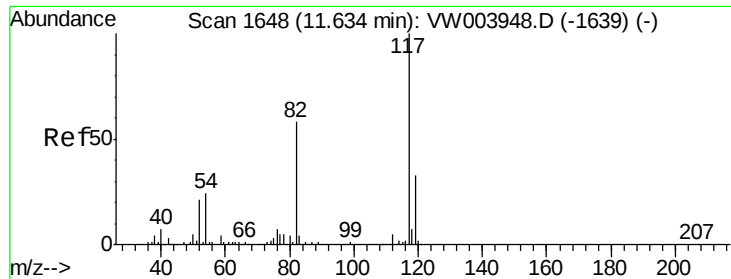
Tot Ion: 107 Resp: 43264
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 52.82 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 95 Resp: 185531
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 160.2
 176 77.3 0.0 155.8

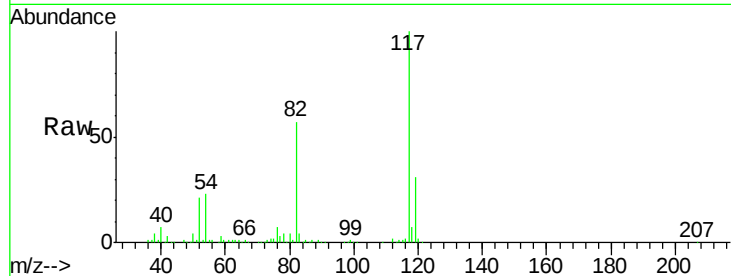




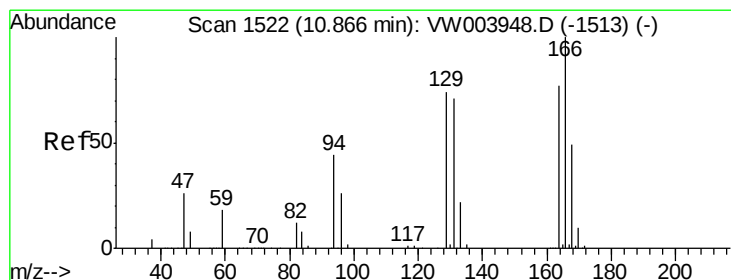
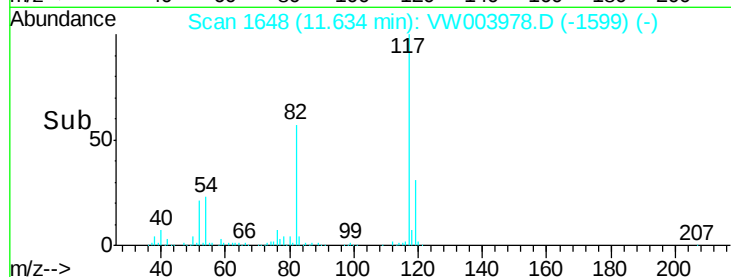
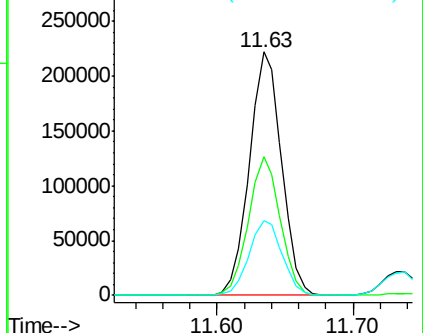
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

Tot Ion:117 Resp: 367524
Ion Ratio Lower Upper
117 100
82 57.1 46.5 69.7
119 30.8 26.2 39.2

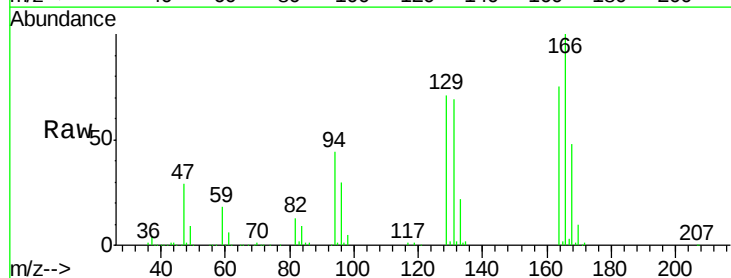


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

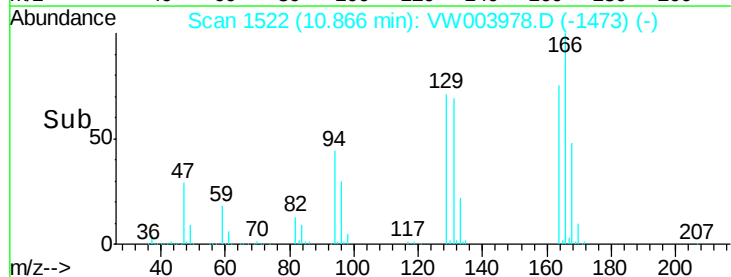
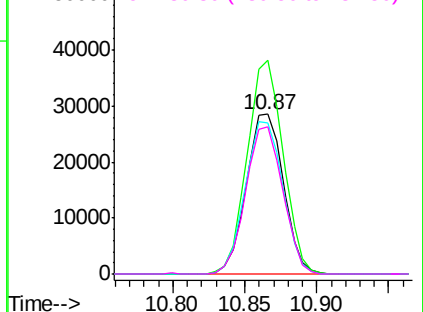


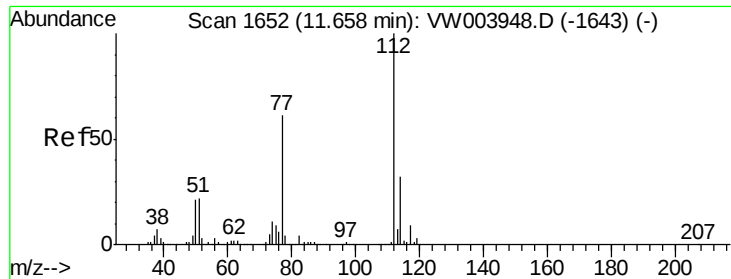
#64
Tetrachloroethene
Concen: 20.27 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:164 Resp: 51113
Ion Ratio Lower Upper
164 100
166 133.8 103.5 155.3
129 94.6 76.8 115.2
131 92.5 73.2 109.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

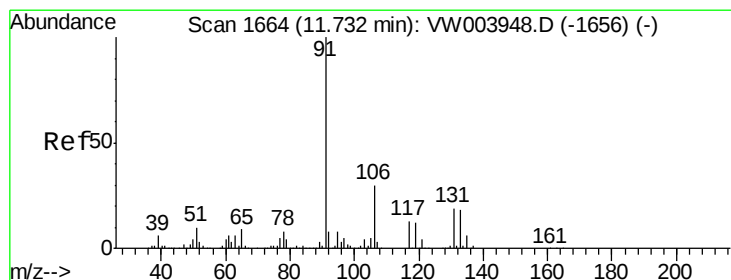
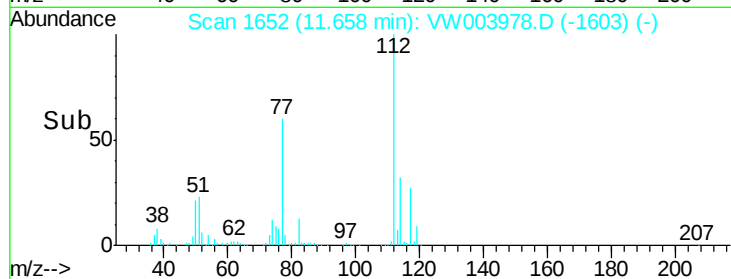
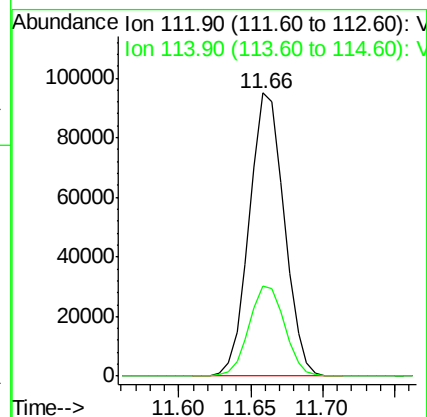
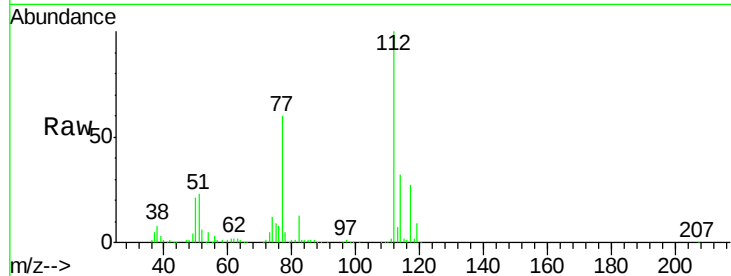




#65
Chlorobenzene
Concen: 20.38 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

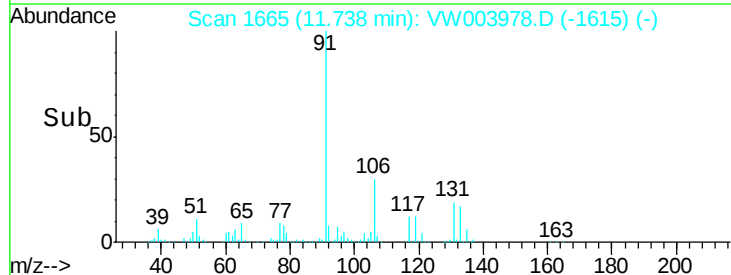
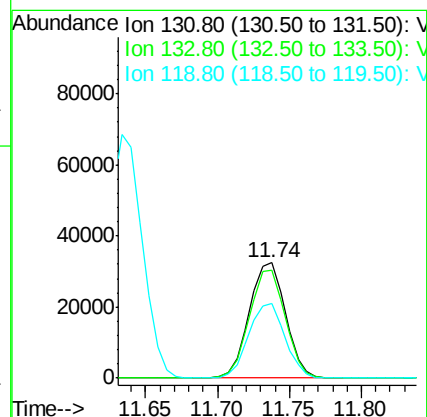
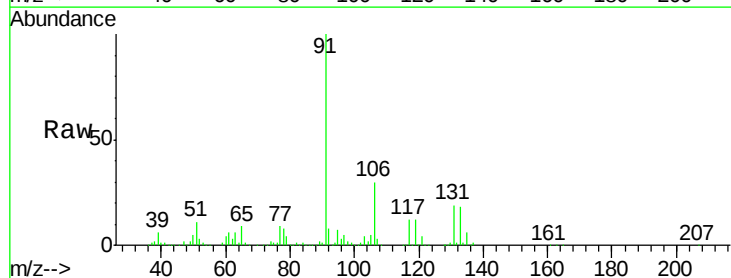
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

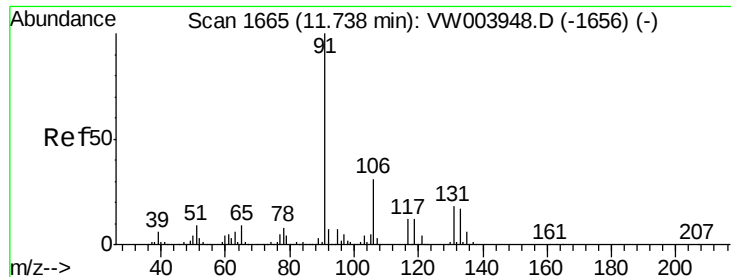
Tot Ion:112 Resp: 159252
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.83 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:131 Resp: 56579
Ion Ratio Lower Upper
131 100
133 93.4 47.9 143.8
119 64.6 32.5 97.5

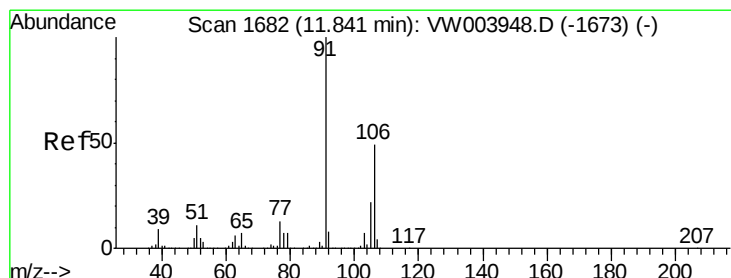
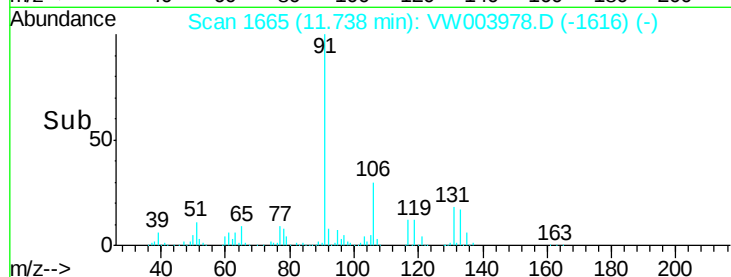
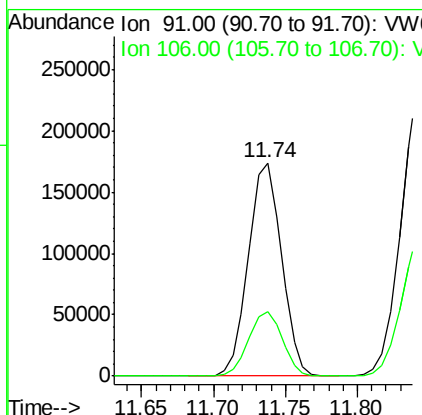
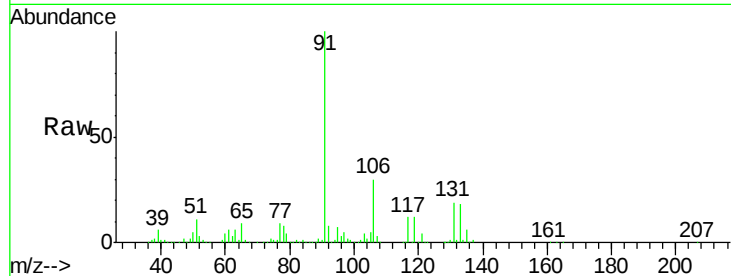




#67
Ethyl Benzene
Concen: 20.23 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

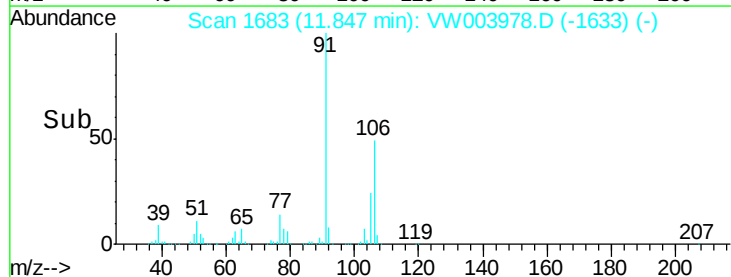
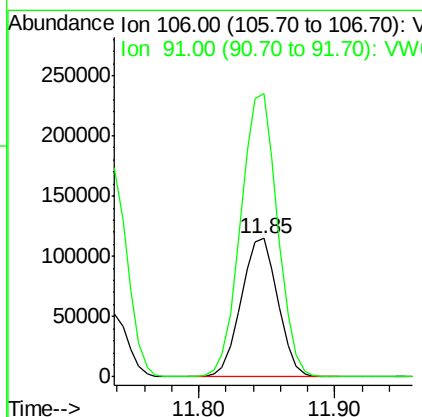
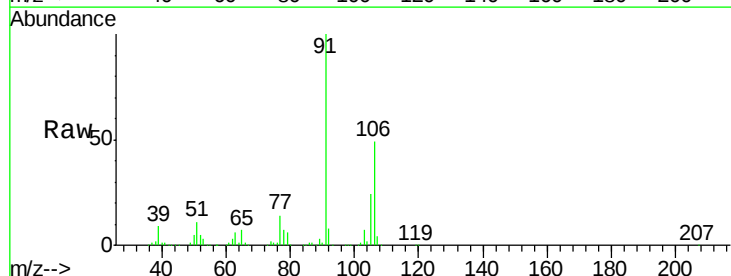
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

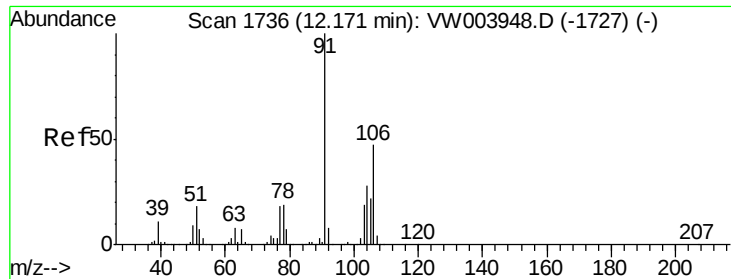
Tot Ion: 91 Resp: 277725
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4



#68
m/p-Xylenes
Concen: 41.41 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 106 Resp: 217273
Ion Ratio Lower Upper
106 100
91 204.5 164.2 246.2

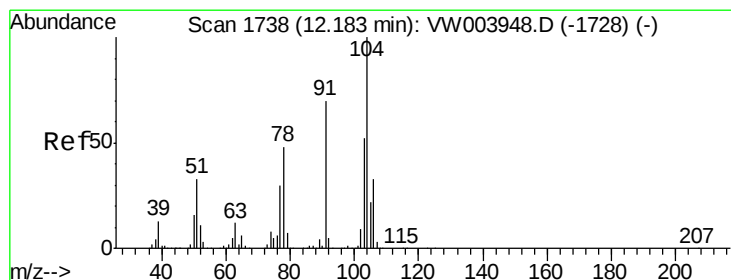
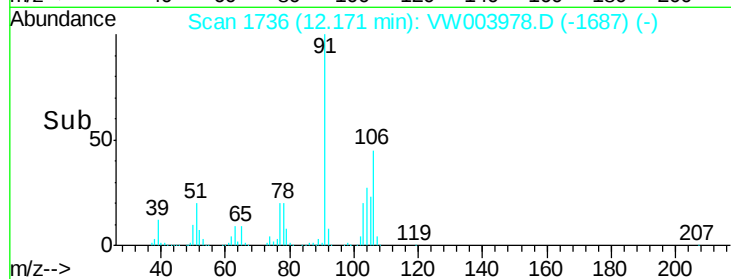
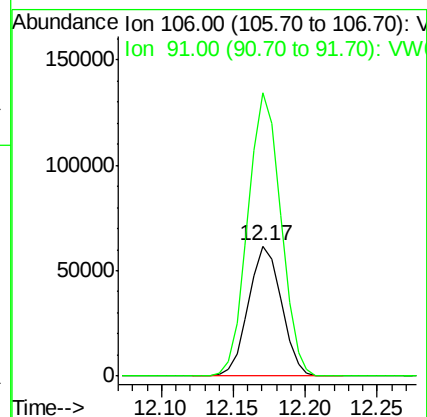
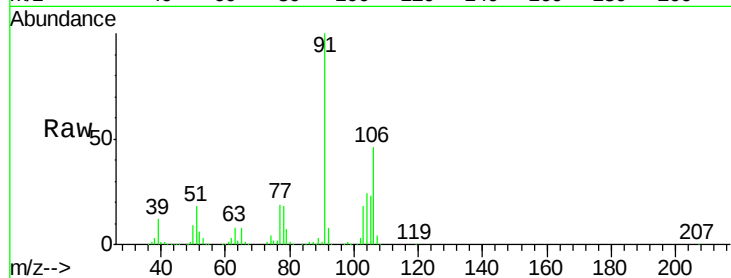




#69
o-Xylene
Concen: 20.12 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

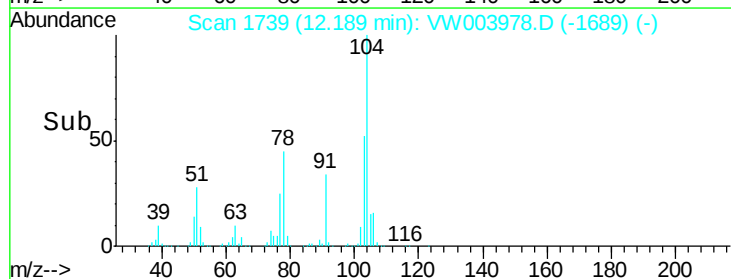
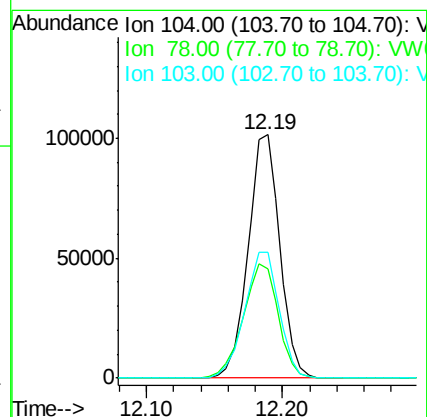
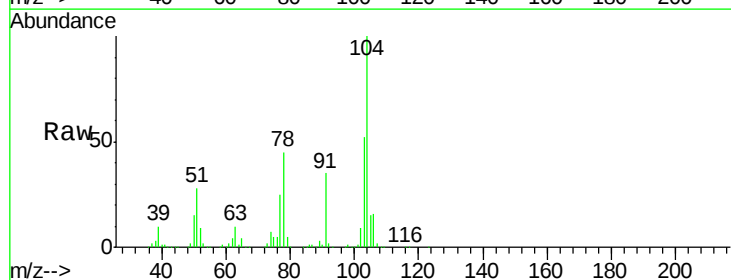
Instrument :
MSVOA_W
ClientSampled :
VW0717SBS01

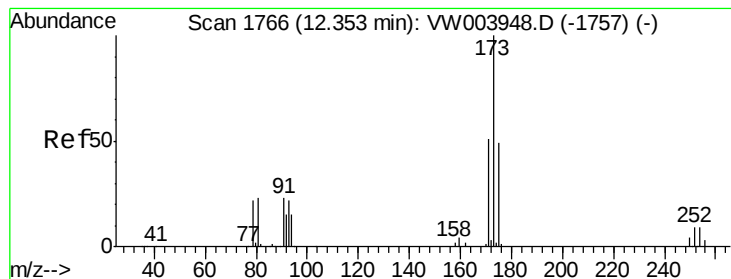
Tot Ion:106 Resp: 97928
Ion Ratio Lower Upper
106 100
91 218.6 107.5 322.6



#70
Styrene
Concen: 20.36 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:104 Resp: 165545
Ion Ratio Lower Upper
104 100
78 51.7 41.0 61.4
103 56.6 44.6 67.0





#71

Bromoform

Concen: 20.33 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

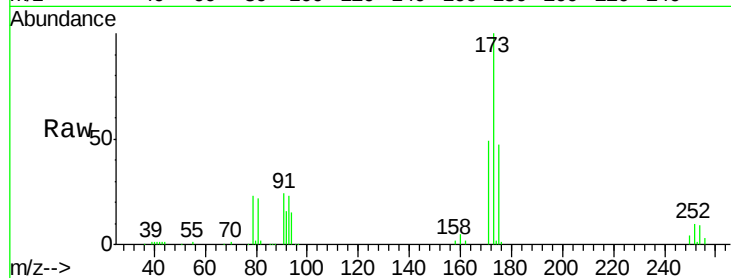
Tot Ion:173 Resp: 31168

Ion Ratio Lower Upper

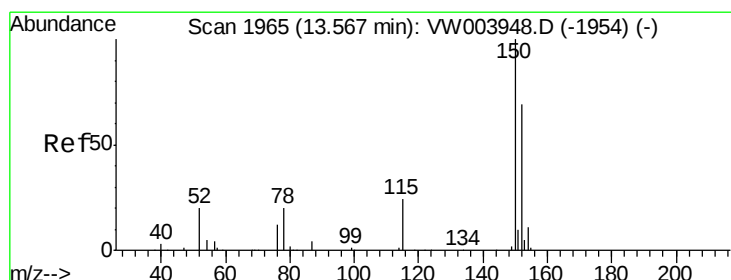
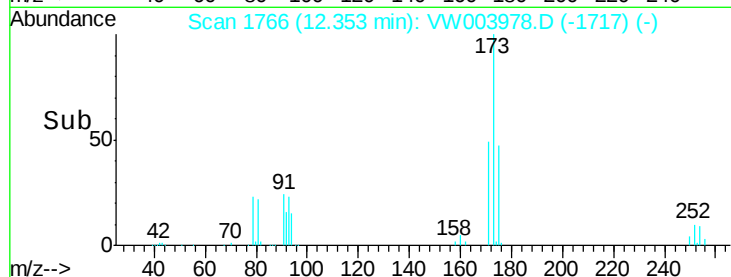
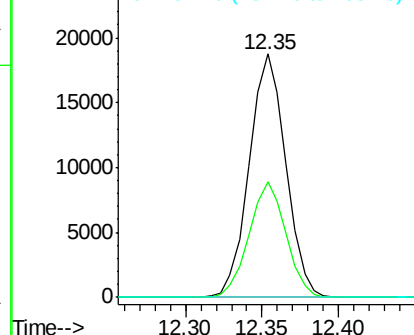
173 100

175 47.6 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: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

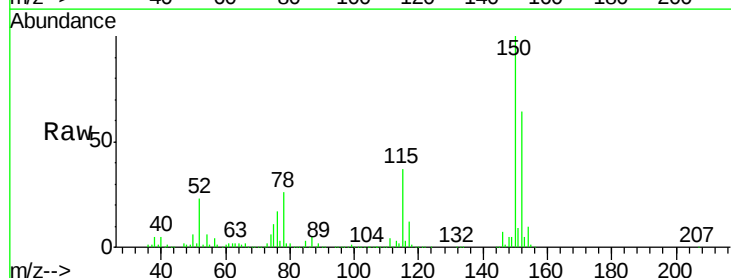
Tgt Ion:152 Resp: 192465

Ion Ratio Lower Upper

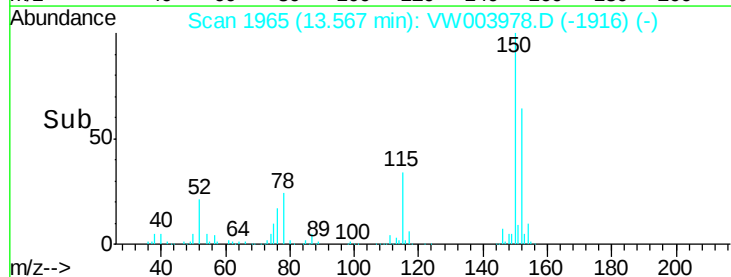
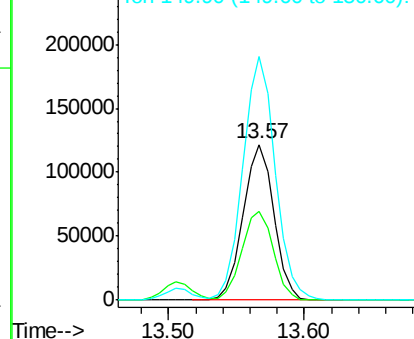
152 100

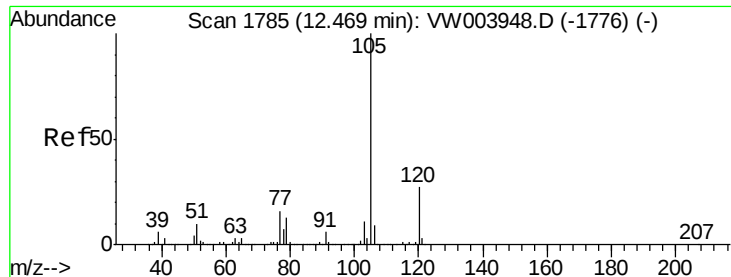
115 58.6 29.2 87.6

150 163.8 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.96 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

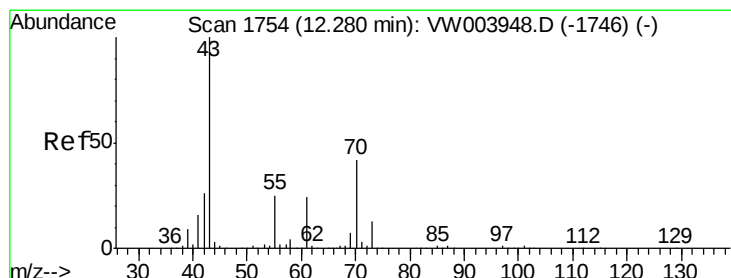
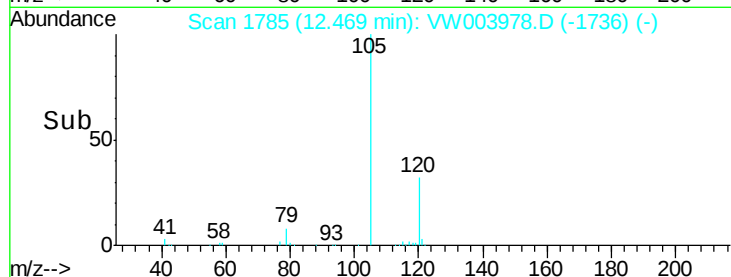
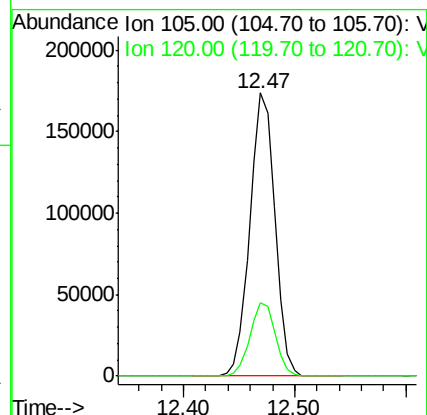
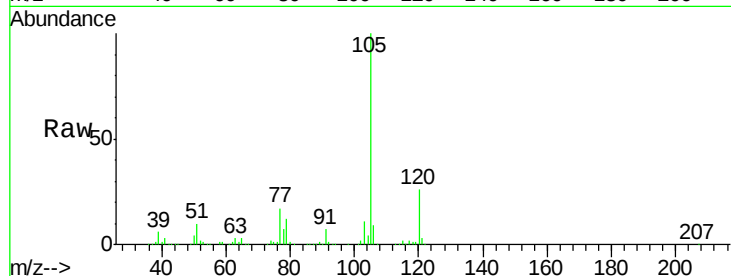
VW0717SBS01

Tot Ion:105 Resp: 271397

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 20.62 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Tgt Ion: 43 Resp: 73060

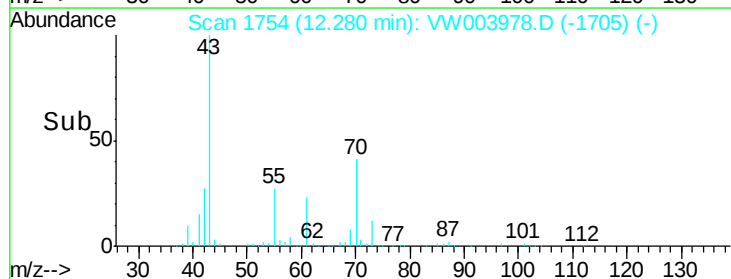
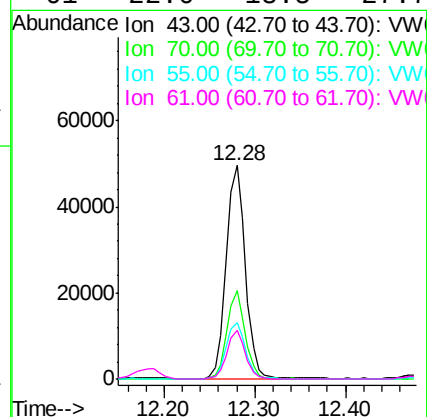
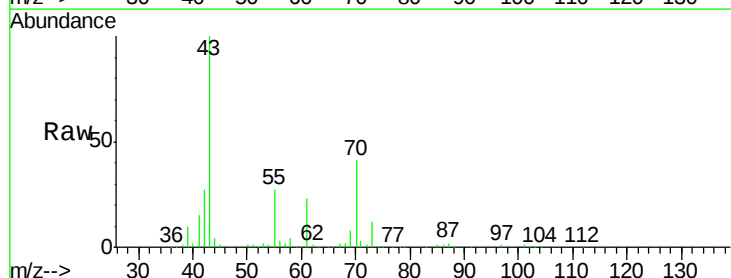
Ion Ratio Lower Upper

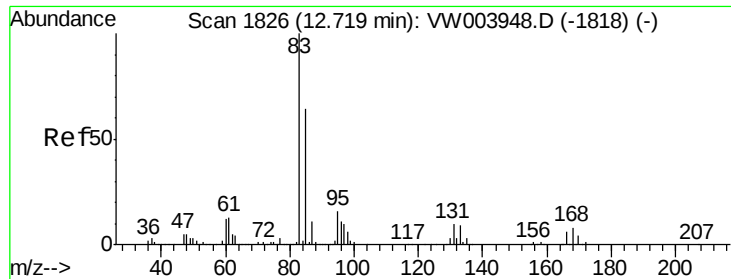
43 100

70 39.3 31.6 47.4

55 26.9 20.0 30.0

61 22.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.90 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

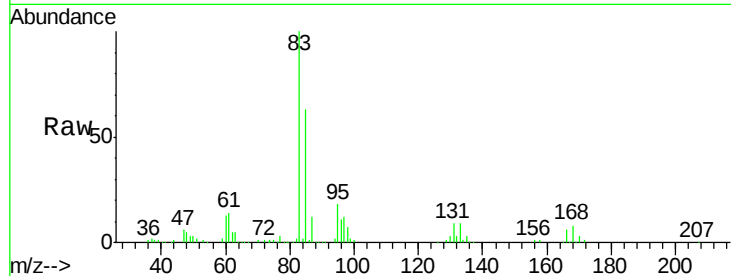
Tot Ion: 83 Resp: 54962

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

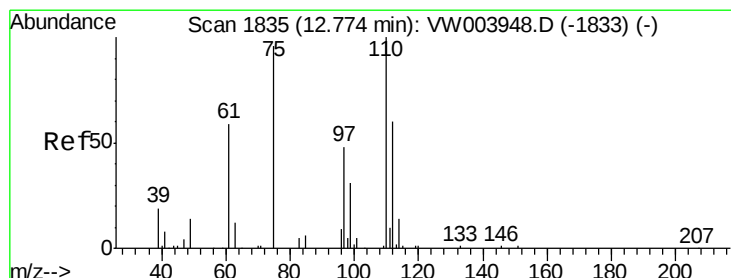
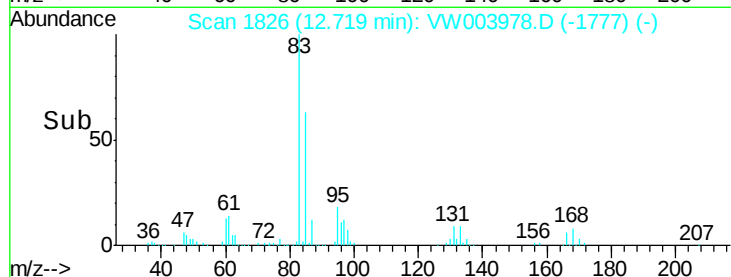
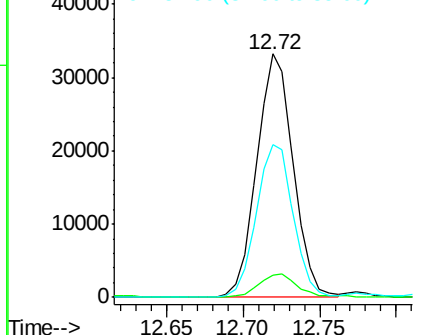
85 63.8 32.2 96.6



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: 38.74 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003978.D

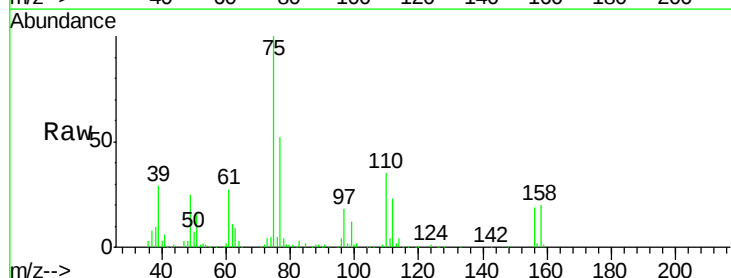
Acq: 17 Jul 2018 12:16

Tgt Ion: 75 Resp: 74013

Ion Ratio Lower Upper

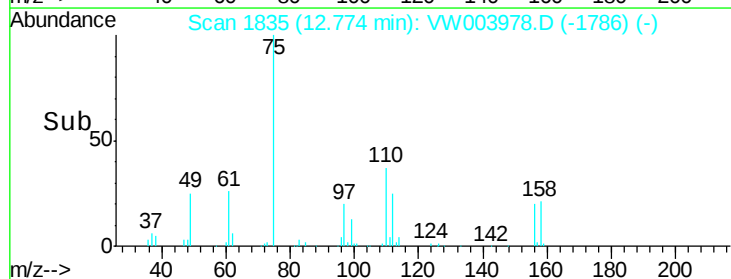
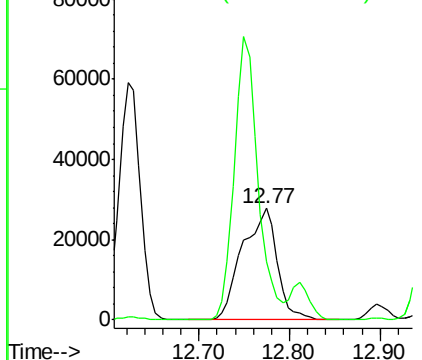
75 100

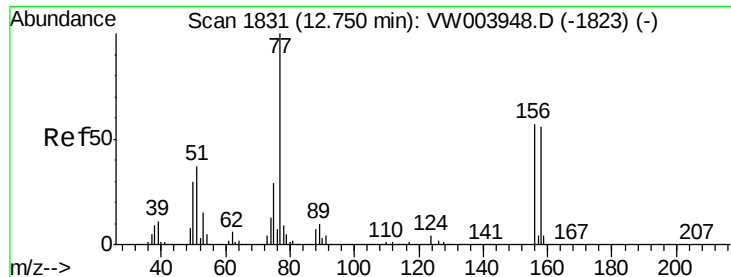
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.01 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

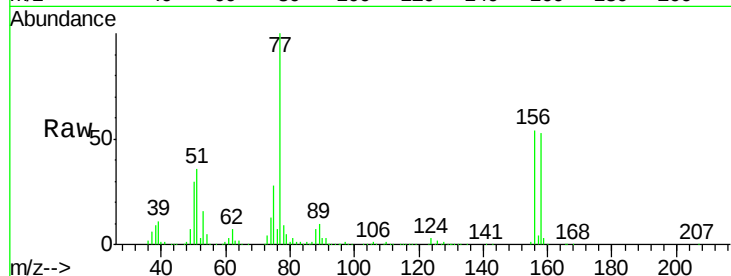
Tot Ion:156 Resp: 65124

Ion Ratio Lower Upper

156 100

77 197.6 96.2 288.6

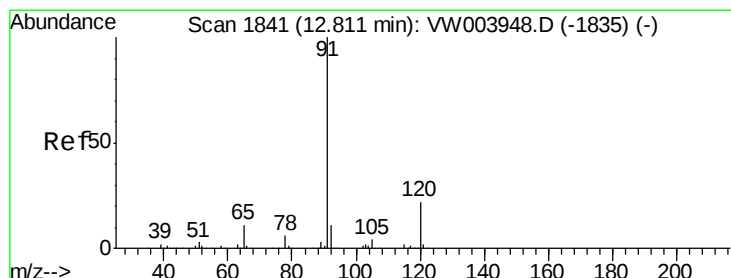
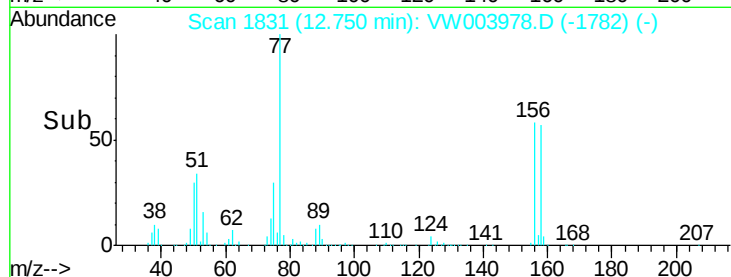
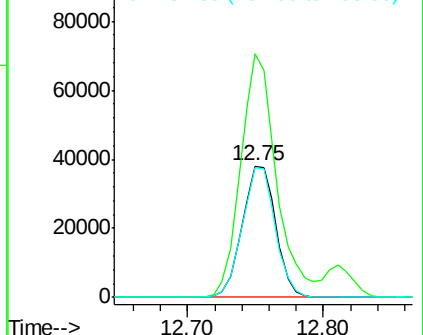
158 97.4 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.66 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003978.D

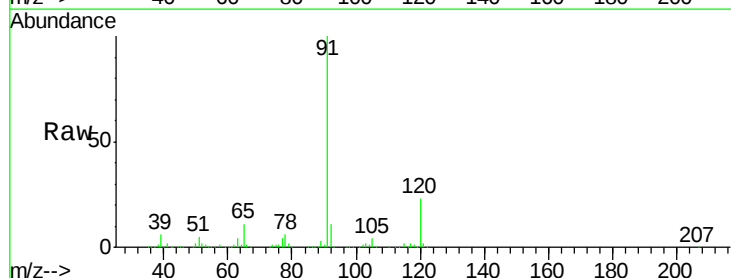
Acq: 17 Jul 2018 12:16

Tgt Ion: 91 Resp: 344651

Ion Ratio Lower Upper

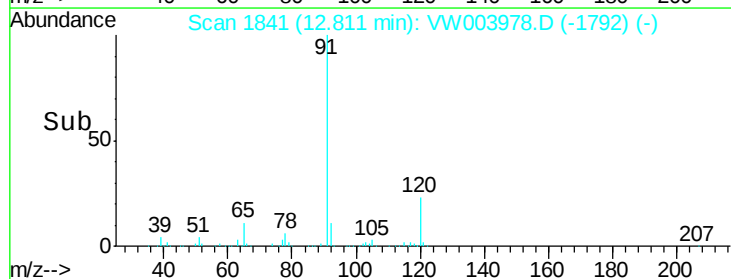
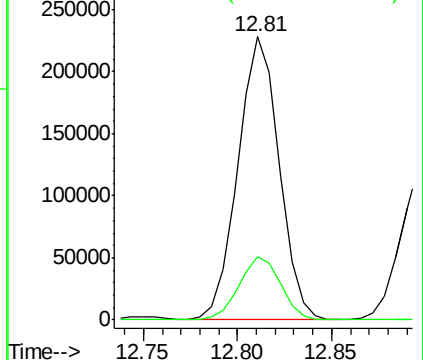
91 100

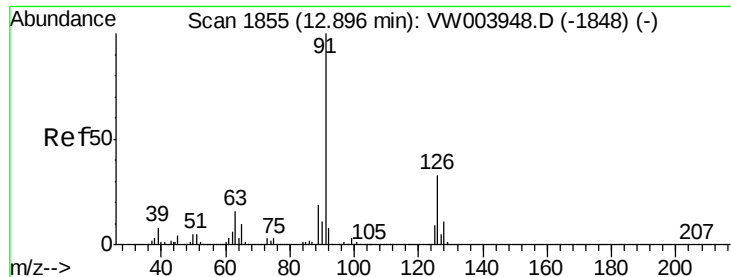
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.71 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

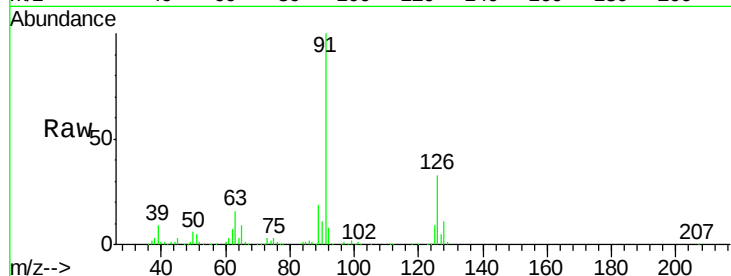
VW0717SBS01

Tot Ion: 91 Resp: 194846

Ion Ratio Lower Upper

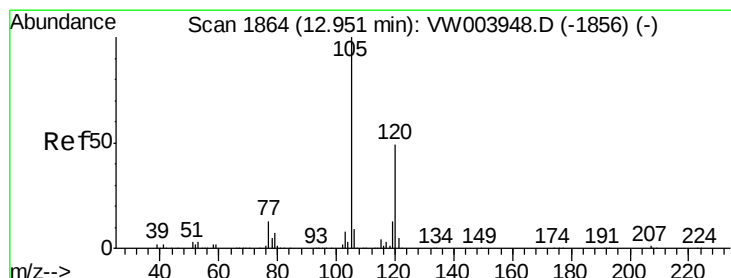
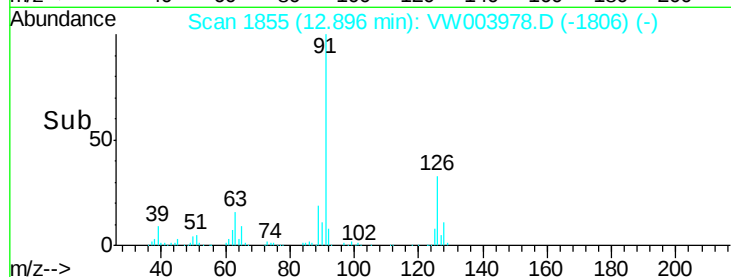
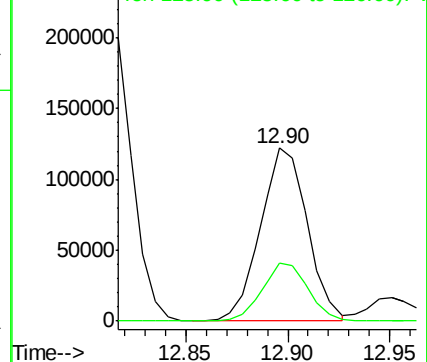
91 100

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: 20.68 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003978.D

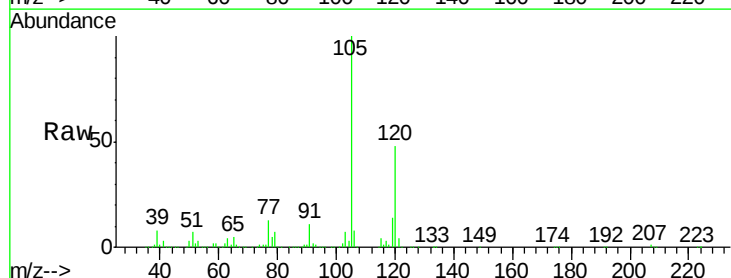
Acq: 17 Jul 2018 12:16

Tgt Ion:105 Resp: 236722

Ion Ratio Lower Upper

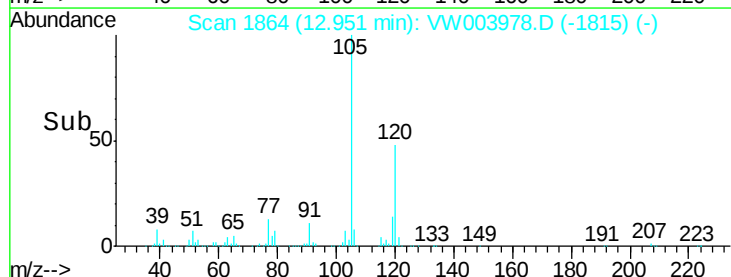
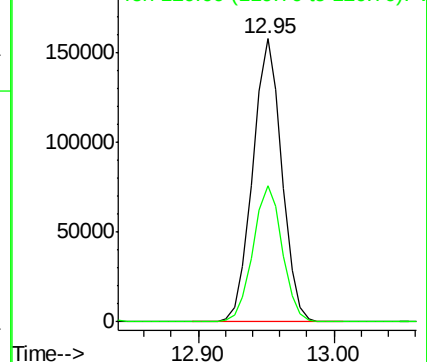
105 100

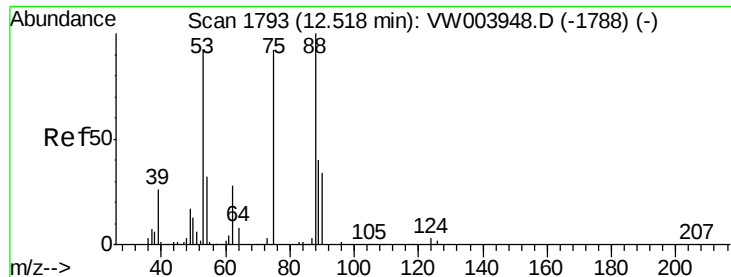
120 48.6 24.4 73.2



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: 19.73 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

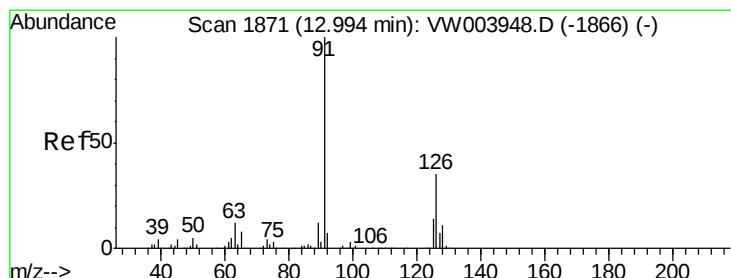
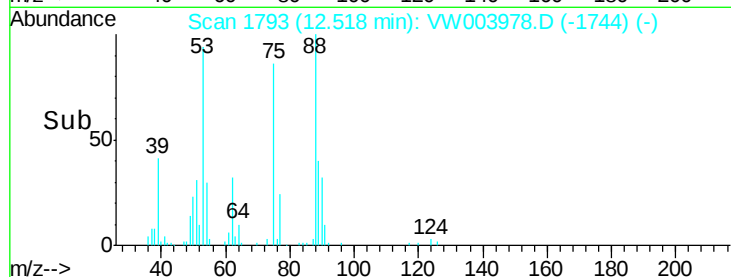
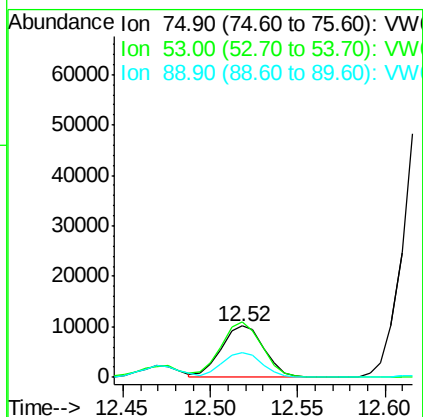
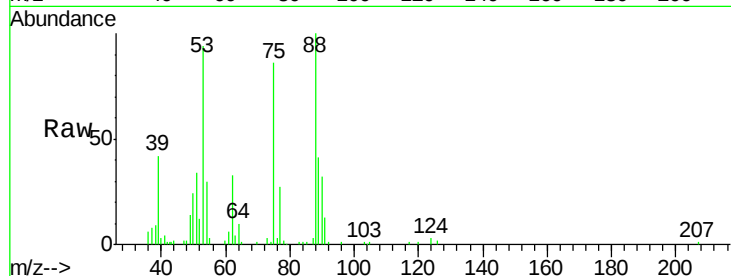
Tot Ion: 75 Resp: 17046

Ion Ratio Lower Upper

75 100

53 106.6 77.6 116.4

89 45.5 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.36 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003978.D

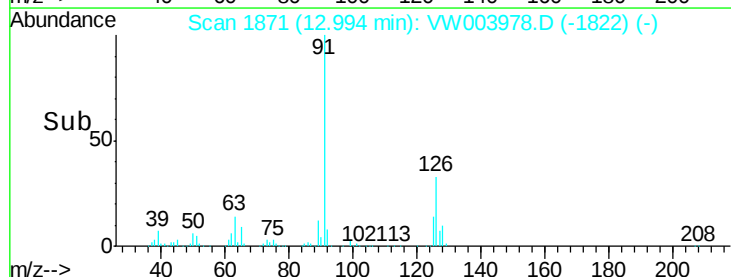
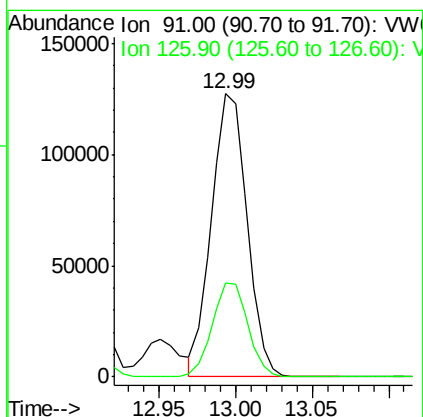
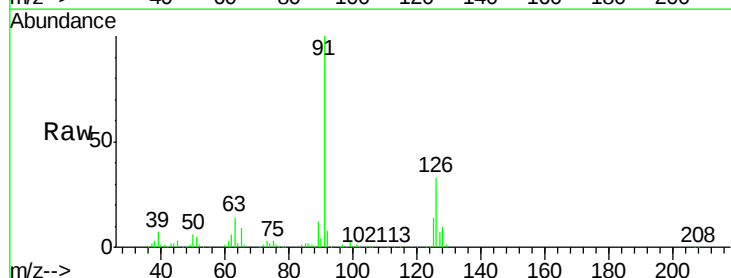
Acq: 17 Jul 2018 12:16

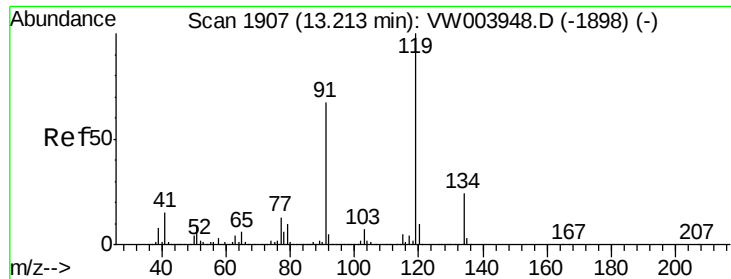
Tgt Ion: 91 Resp: 205608

Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.0

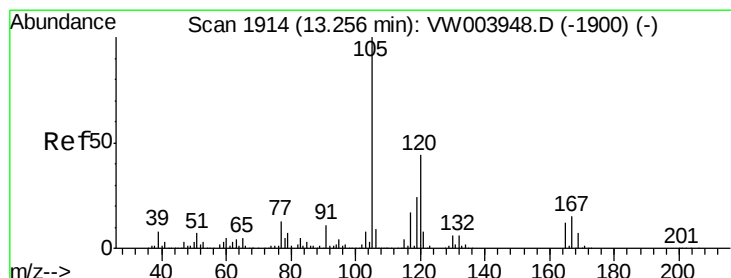
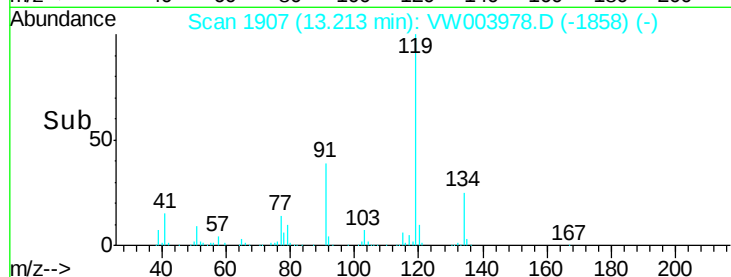
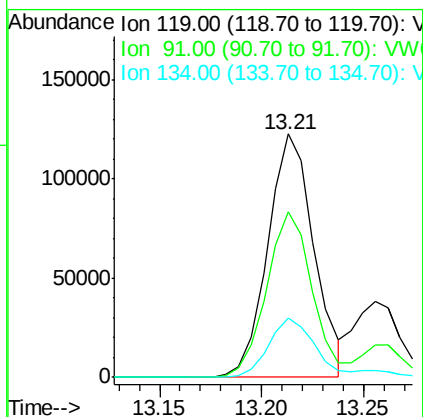
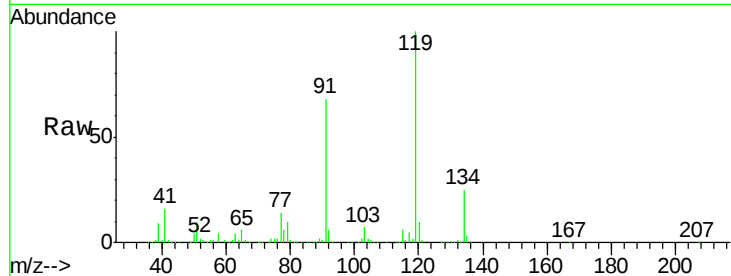




#83
tert-Butylbenzene
Concen: 20.09 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

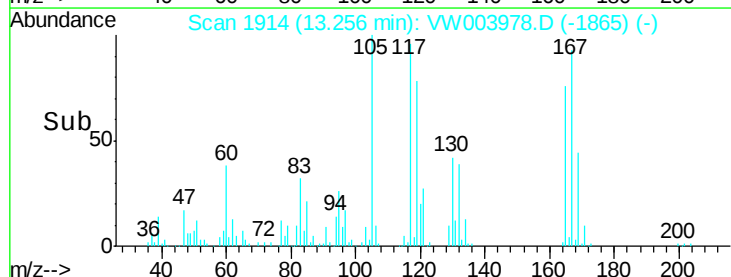
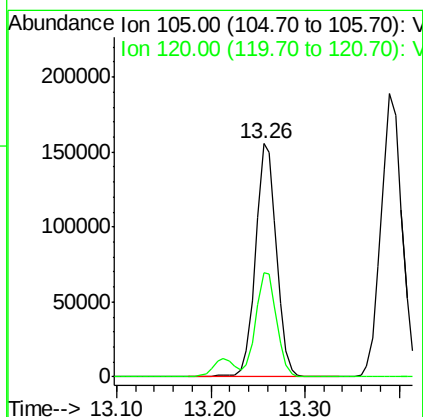
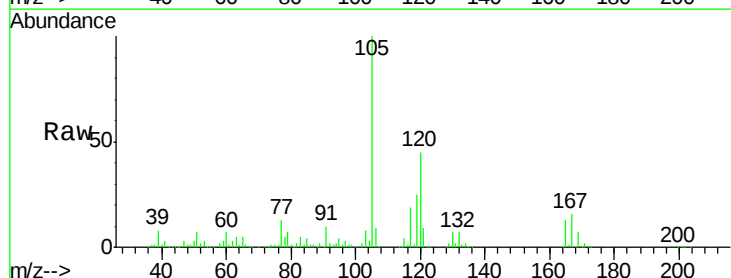
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

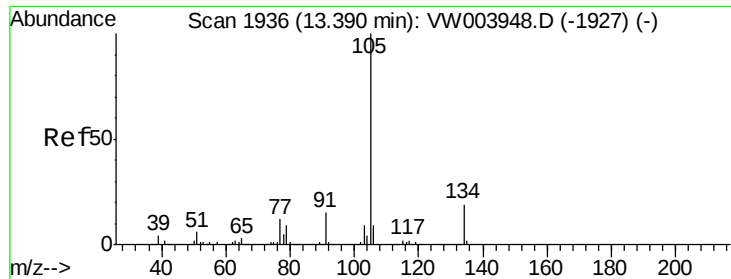
Tot Ion:119 Resp: 193022
Ion Ratio Lower Upper
119 100
91 68.0 33.2 99.6
134 26.6 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.71 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:105 Resp: 243829
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.1

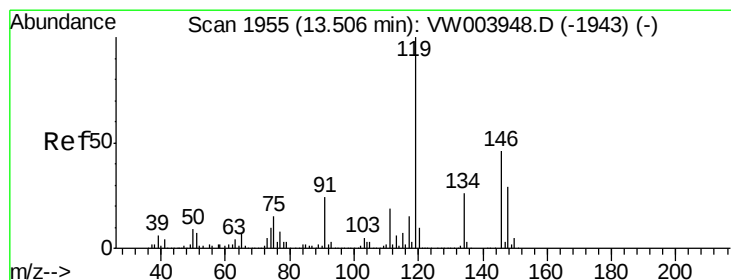
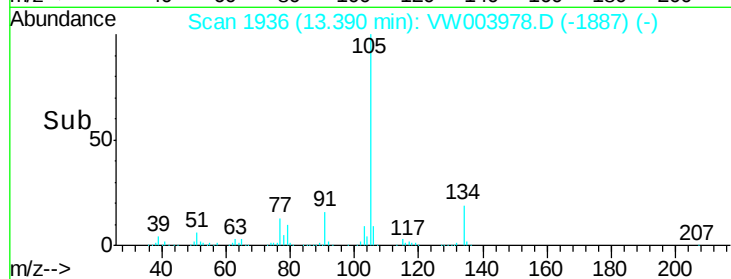
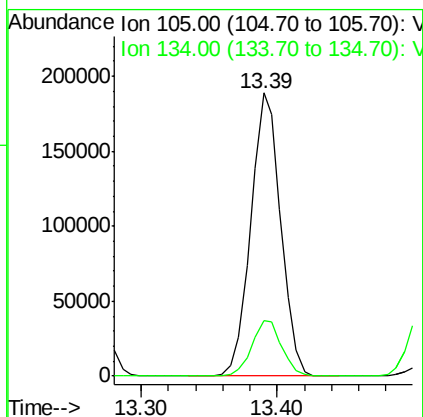
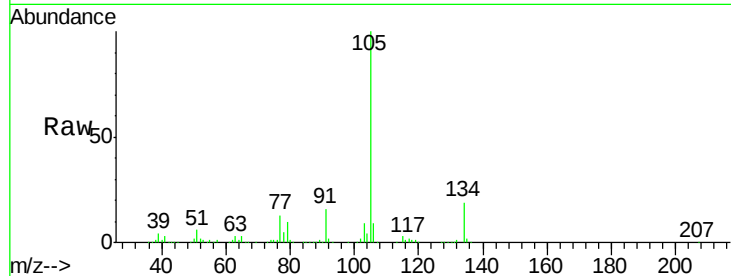




#85
 sec-Butylbenzene
 Concen: 20.43 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

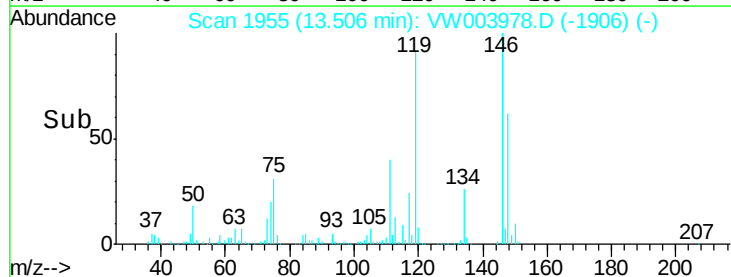
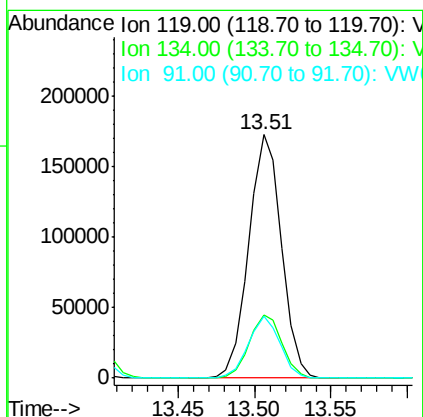
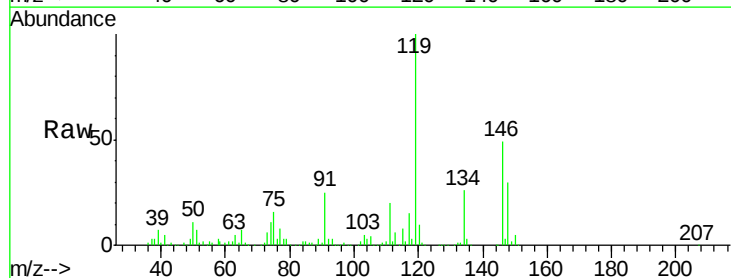
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

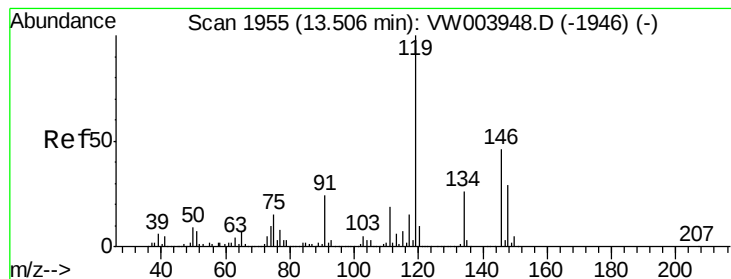
Tot Ion:105 Resp: 291245
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.49 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion:119 Resp: 256246
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.4 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 20.68 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS01

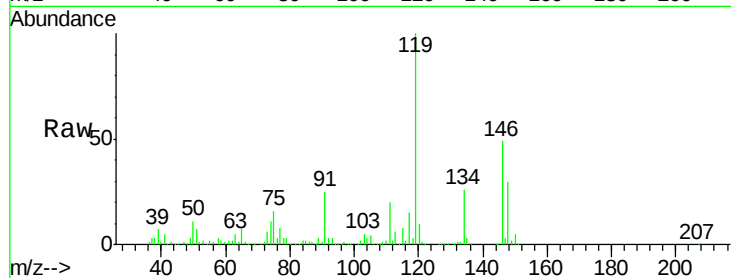
Tot Ion:146 Resp: 134422

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.6

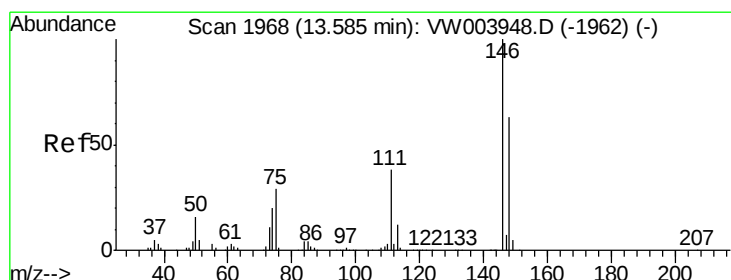
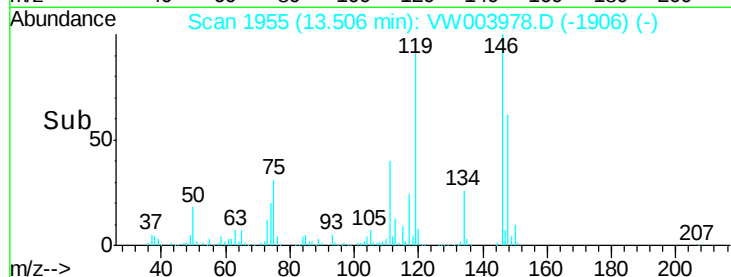
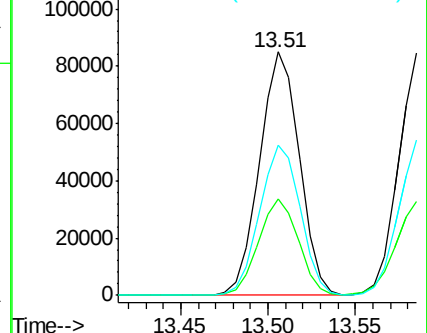
148 63.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.69 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003978.D

Acq: 17 Jul 2018 12:16

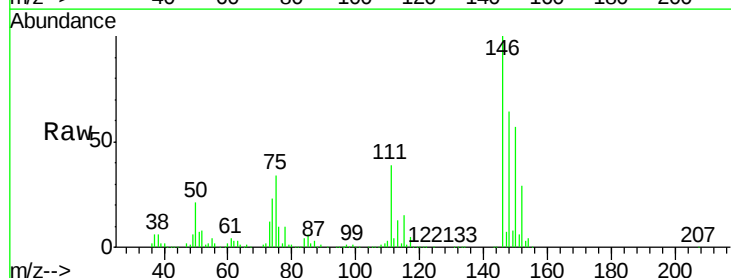
Tgt Ion:146 Resp: 134867

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.7

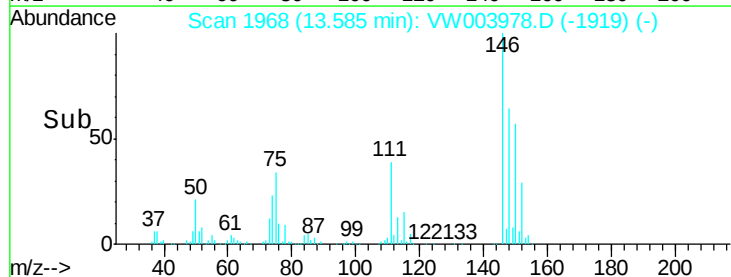
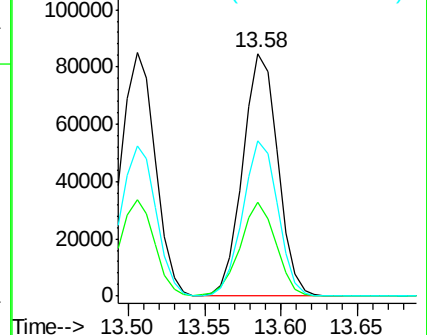
148 64.1 32.3 96.8

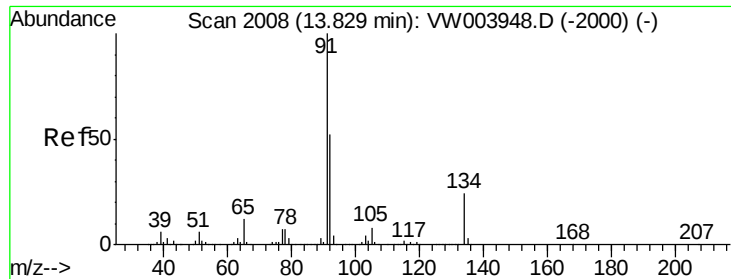


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

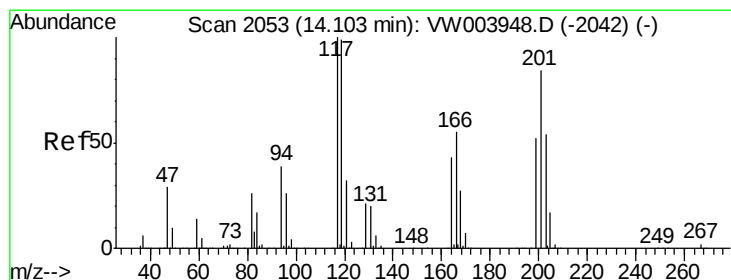
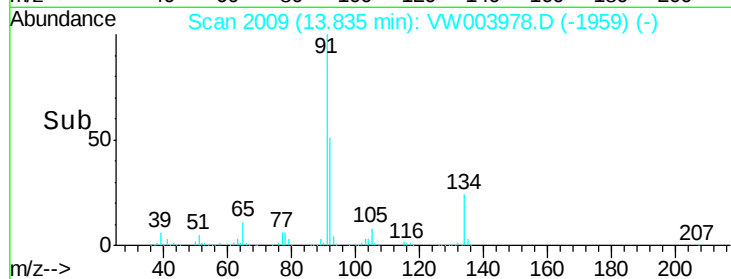
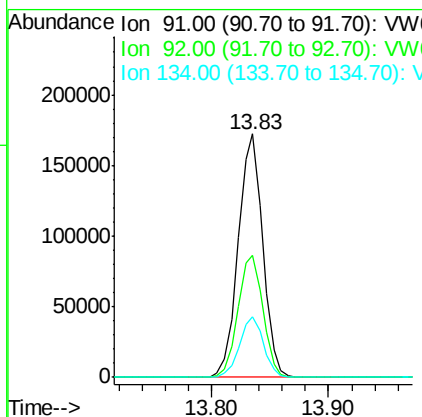
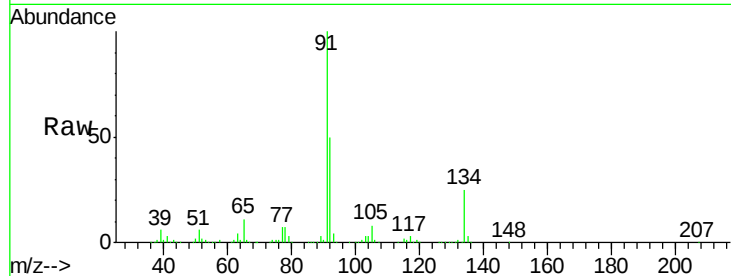




#89
n-Butylbenzene
Concen: 20.54 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

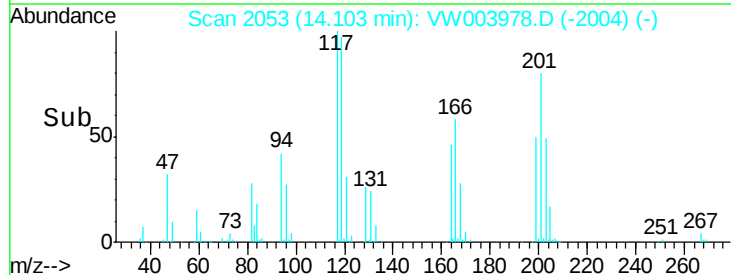
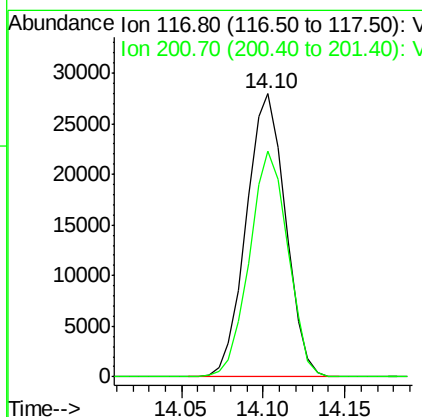
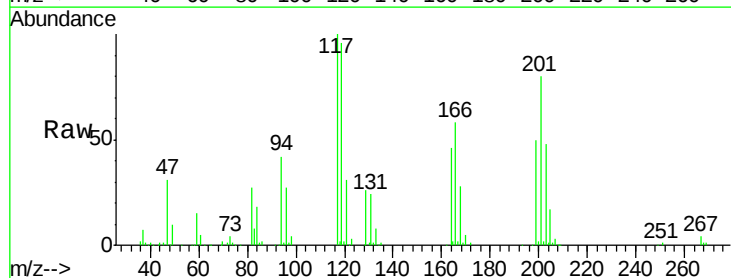
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

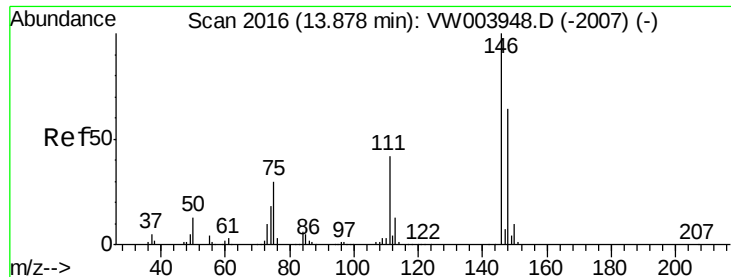
Tot Ion: 91 Resp: 252558
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.3
134 24.5 12.4 37.4



#90
Hexachloroethane
Concen: 20.35 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion: 117 Resp: 46916
Ion Ratio Lower Upper
117 100
201 78.1 40.3 120.9

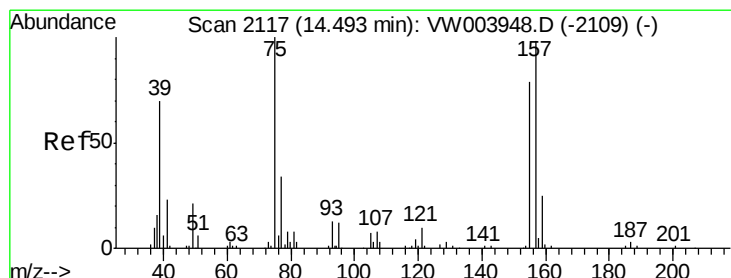
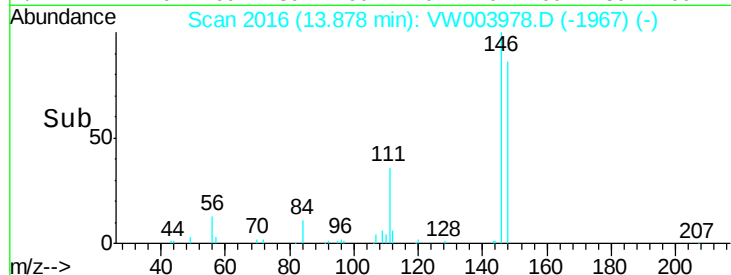
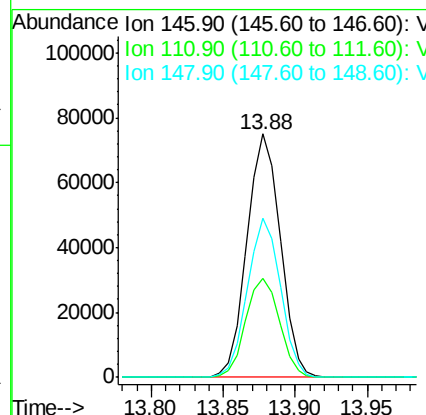
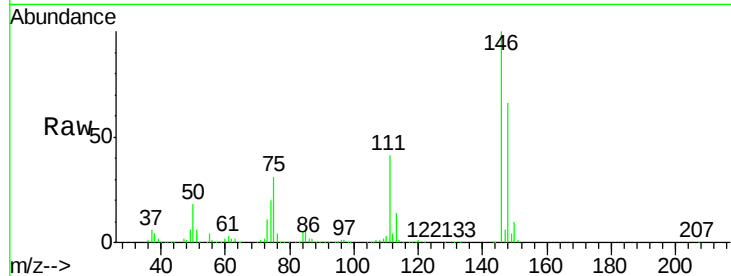




#91
 1,2-Dichlorobenzene
 Concen: 20.78 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

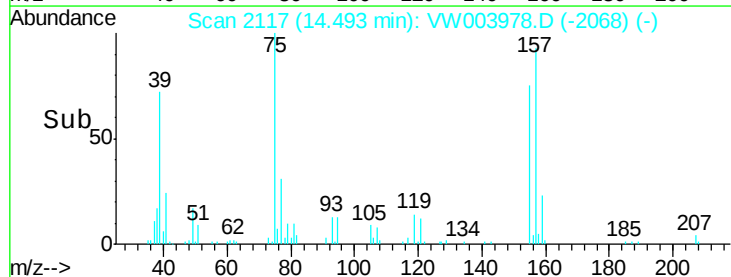
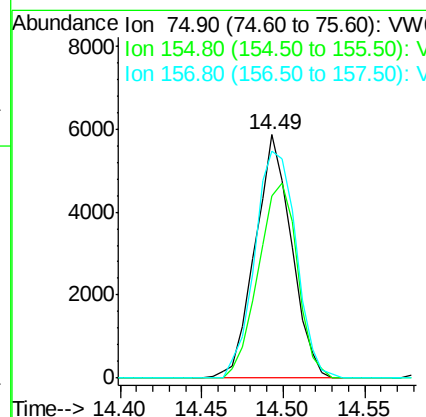
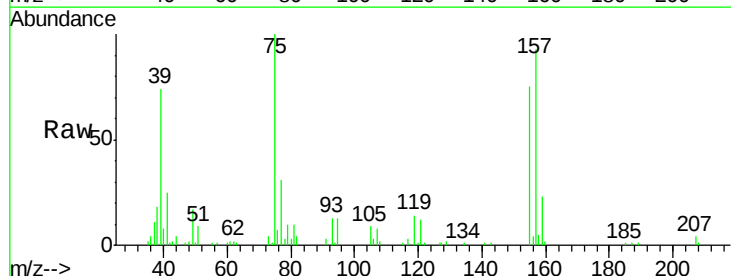
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS01

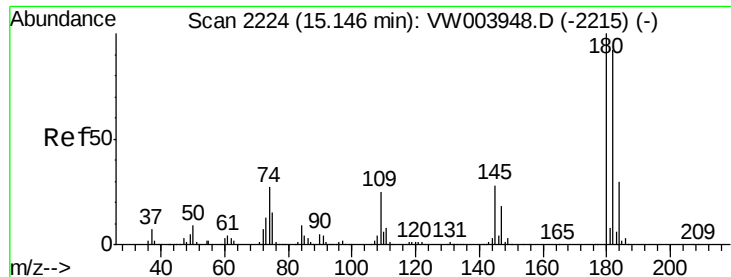
Tot Ion:146 Resp: 120326
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.7 62.1
 148 64.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.48 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003978.D
 Acq: 17 Jul 2018 12:16

Tgt Ion: 75 Resp: 9109
 Ion Ratio Lower Upper
 75 100
 155 85.3 39.4 118.1
 157 105.9 51.8 155.4

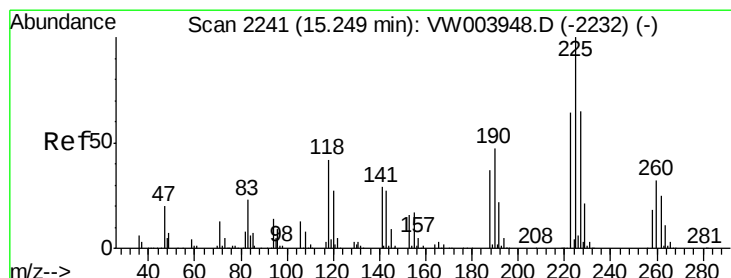
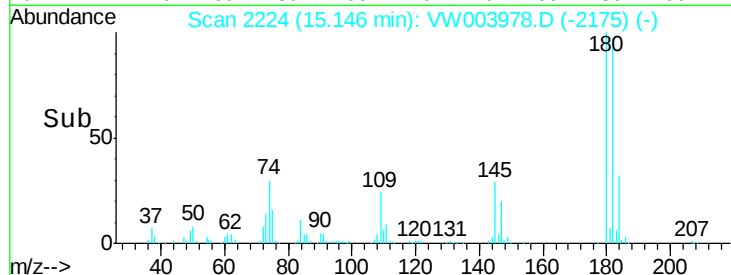
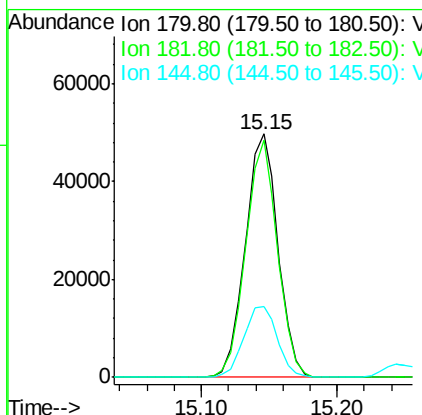
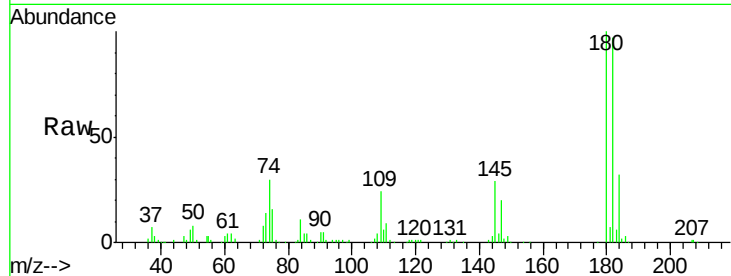




#93
1,2,4-Trichlorobenzene
Concen: 20.51 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

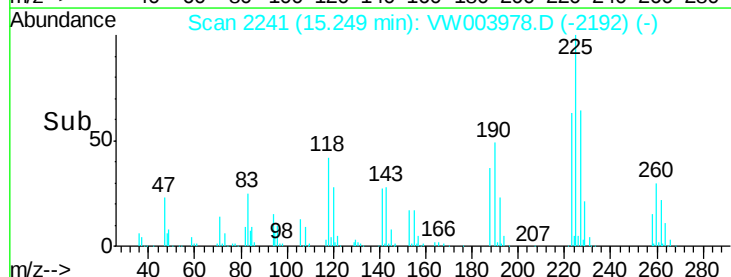
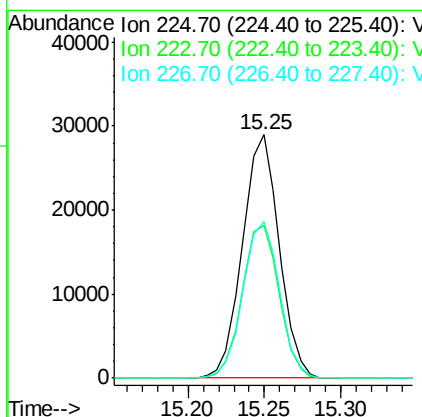
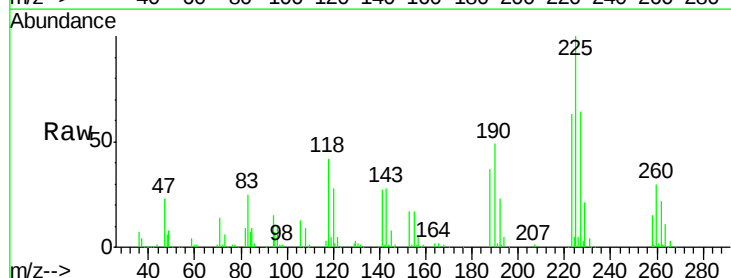
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

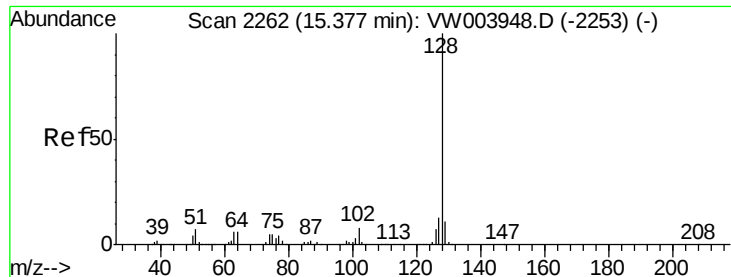
Tot Ion:180 Resp: 83397
Ion Ratio Lower Upper
180 100
182 95.1 46.9 140.8
145 30.0 15.0 45.0



#94
Hexachlorobutadiene
Concen: 20.69 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:225 Resp: 48330
Ion Ratio Lower Upper
225 100
223 63.3 32.0 96.2
227 64.0 32.3 96.9

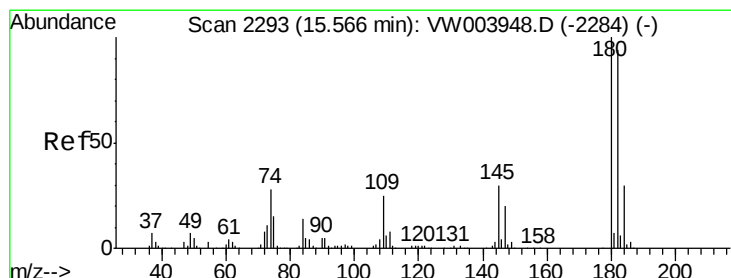
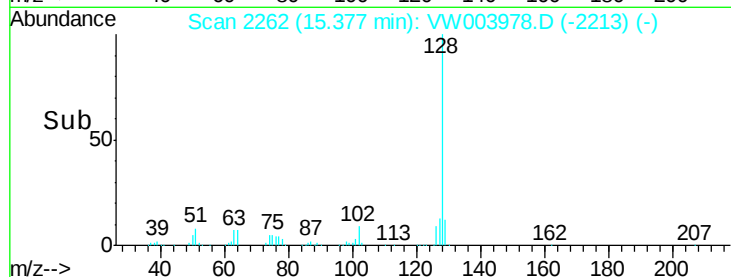
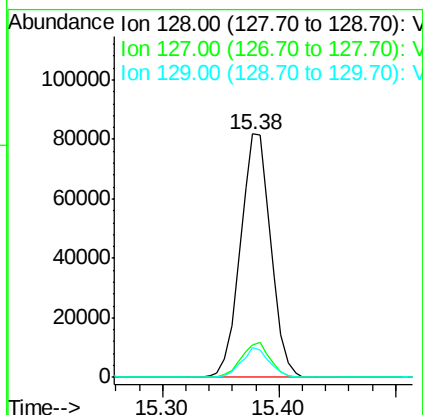
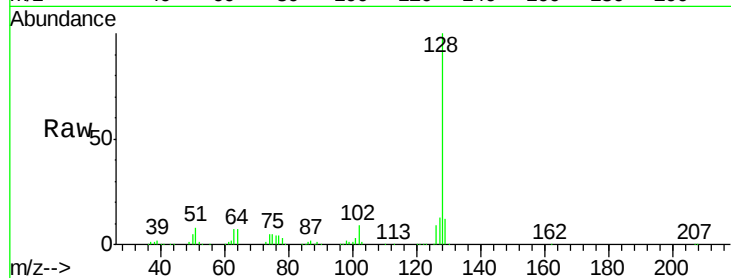




#95
Naphthalene
Concen: 19.82 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS01

Tot Ion:128 Resp: 148781
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.64 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003978.D
Acq: 17 Jul 2018 12:16

Tgt Ion:180 Resp: 74310
Ion Ratio Lower Upper
180 100
182 95.7 47.5 142.6
145 32.6 15.8 47.4

