

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006527.D
 Acq On : 31 Oct 2018 15:44
 Operator : SY/AP
 Sample : J5711-04
 Misc : 5.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

Quant Time: Oct 31 16:33:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	540640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	390352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	123721	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.88	113	120342	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	
50) Toluene-d8	10.34	98	2989180	245.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	491.88%	
62) 4-Bromofluorobenzene	12.62	95	1318339	288.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	577.60%	

Target Compounds						Qvalue
6) Chloroethane	3.03	64	2229	1.01	ug/l	# 1
8) Diethyl Ether	3.68	74	2707	1.78	ug/l	57
11) Tert butyl alcohol	5.23	59	20014	106.55	ug/l	# 71
13) Acrolein	3.84	56	34328	188.86	ug/l	# 1
14) Allyl chloride	4.75	41	120841	30.02	ug/l	# 74
15) Acrylonitrile	5.44	53	284809	523.34	ug/l	# 40
16) Acetone	4.12	43	314698	622.65	ug/l	# 56
17) Carbon Disulfide	4.38	76	49411	5.82	ug/l	98
18) Methyl Acetate	4.74	43	87582	62.31	ug/l	# 50
20) Methylene Chloride	4.91	84	15858	3.86	ug/l	# 1
23) Vinyl Acetate	6.29	43	39865	8.49	ug/l	# 78
25) 2-Butanone	7.18	43	132357	175.42	ug/l	# 54
26) 2,2-Dichloropropane	6.99	77	90415	24.98	ug/l	# 51
29) Tetrahydrofuran	7.52	42	4659	10.05	ug/l	# 31
30) Chloroform	7.63	83	398647	71.30	ug/l	# 18
31) Cyclohexane	7.96	56	9771953	1912.01	ug/l	97
37) Ethyl Acetate	7.18	43	132357	71.49	ug/l	# 69
38) Carbon Tetrachloride	7.95	117	29188	5.34	ug/l	# 17
39) Methylcyclohexane	9.35	83	25303060	3819.89	ug/l	93
40) Benzene	8.33	78	847153	61.97	ug/l	98
41) Methacrylonitrile	7.53	41	54677	48.99	ug/l	# 50
42) 1,2-Dichloroethane	8.44	62	32859	8.18	ug/l	# 1
43) Isopropyl Acetate	8.43	43	2098321	554.30	ug/l	# 50
45) 1,2-Dichloropropane	9.35	63	249321	76.22	ug/l	# 1
46) Dibromomethane	9.41	93	15719	8.43	ug/l	# 1
47) Bromodichloromethane	9.63	83	1115005	246.69	ug/l	# 40
48) Methyl methacrylate	9.52	41	2541026	1416.09	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.26	43	499536	263.37	ug/l	# 78
52) Toluene	10.40	92	239242	26.11	ug/l	95
55) 1,1,2-Trichloroethane	10.77	97	7966128	3053.47	ug/l	# 23
56) Ethyl methacrylate	10.63	69	2281705	713.42	ug/l	# 71
58) 2-Chloroethyl Vinyl ether	9.91	63	25977	21.26	ug/l	# 44
59) 2-Hexanone	10.95	43	9840065	7267.77	ug/l	# 31
60) Dibromochloromethane	11.05	129	30211	9.30	ug/l	# 11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

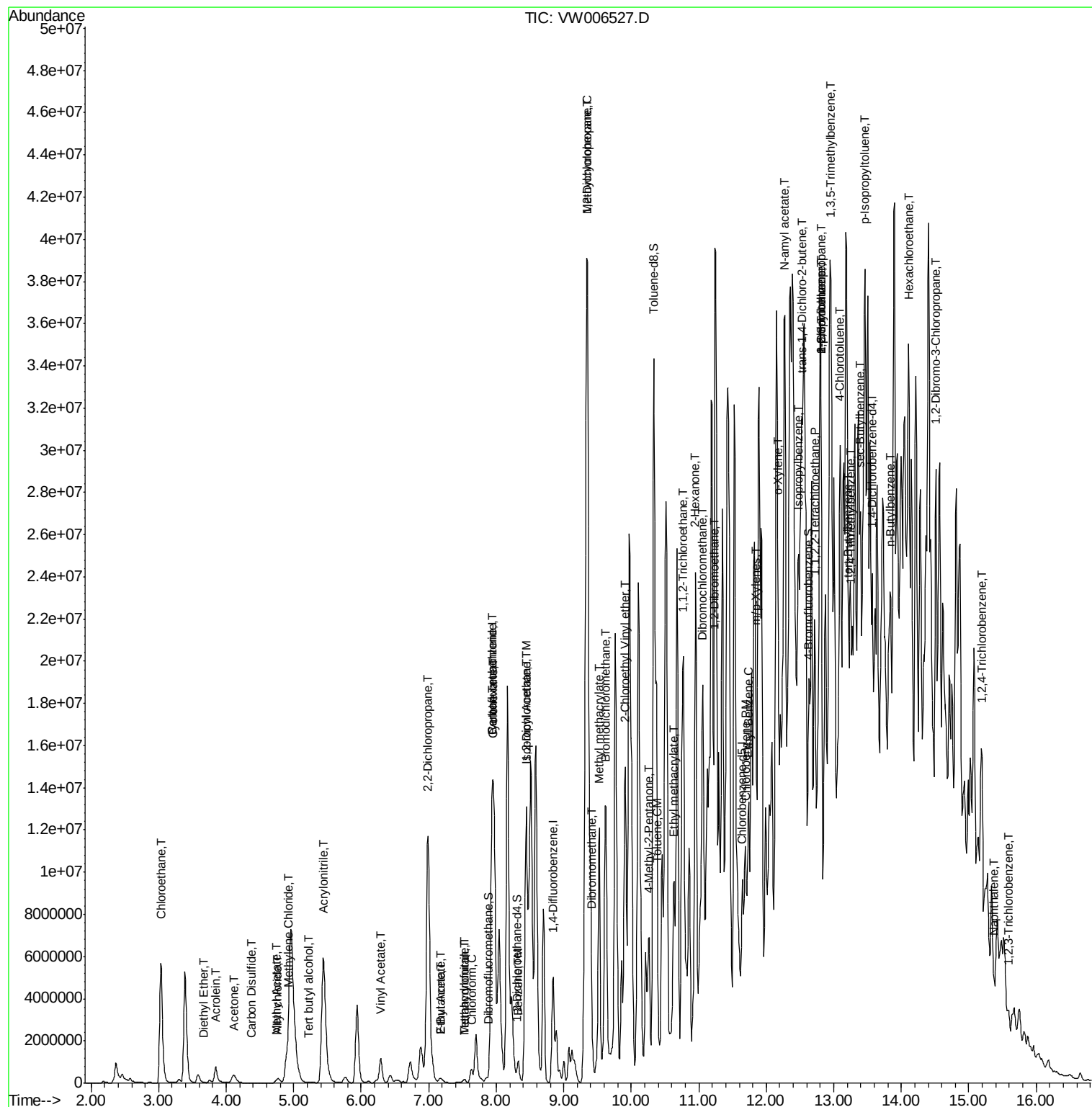
61) 1,2-Dibromoethane	11.22	107	29746	11.41	ug/l #	1
65) Chlorobenzene	11.68	112	38090	4.44	ug/l #	42
67) Ethyl Benzene	11.74	91	396579	26.66	ug/l	100
68) m/p-Xylenes	11.85	106	385598	65.59	ug/l #	72
69) o-Xylene	12.18	106	138627	24.74	ug/l	71
73) Isopropylbenzene	12.48	105	4254800	154.29	ug/l	98
74) N-amyl acetate	12.27	43	6550605	1222.98	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.71	83	693725	165.39	ug/l #	67
76) 1,2,3-Trichloropropane	12.82	75	34665	11.63	ug/l #	100
78) n-propylbenzene	12.82	91	6008083	187.26	ug/l	97
79) 2-Chlorotoluene	12.82	91	6021203	334.02	ug/l #	56
80) 1,3,5-Trimethylbenzene	12.96	105	287958	12.39	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	4446	3.56	ug/l #	1
82) 4-Chlorotoluene	13.08	91	192742	10.21	ug/l #	1
83) tert-Butylbenzene	13.22	119	291354	14.01	ug/l	83
84) 1,2,4-Trimethylbenzene	13.26	105	865606	36.80	ug/l	98
85) sec-Butylbenzene	13.40	105	3714705	126.41	ug/l #	61
86) p-Isopropyltoluene	13.46	119	709744	26.70	ug/l	91
89) n-Butylbenzene	13.83	91	3975722	163.56	ug/l #	75
90) Hexachloroethane	14.11	117	575316	127.79	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30073	40.05	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.18	180	43049	4.67	ug/l #	1
95) Naphthalene	15.38	128	58348	3.80	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.59	180	21675	2.72	ug/l #	12

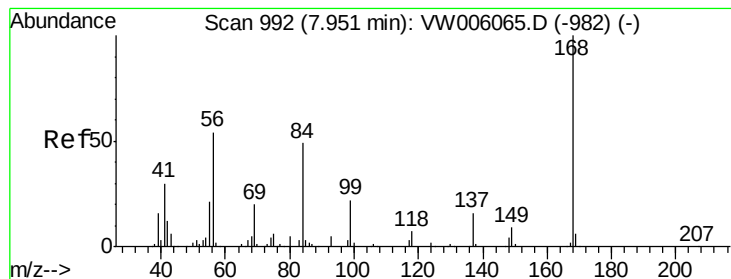
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

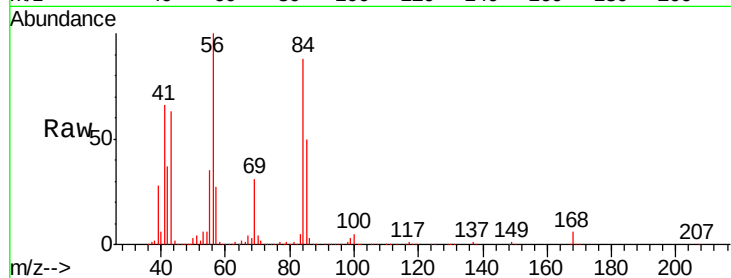
SB-4

Tgt Ion:168 Resp: 336890

Ion Ratio Lower Upper

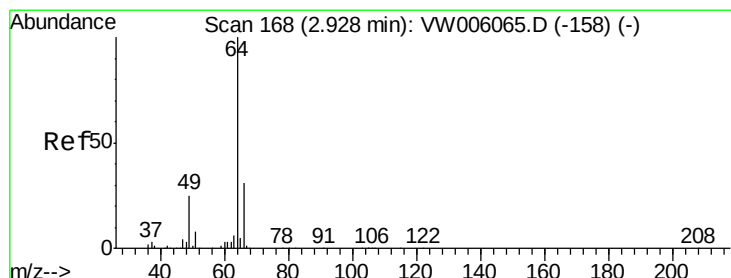
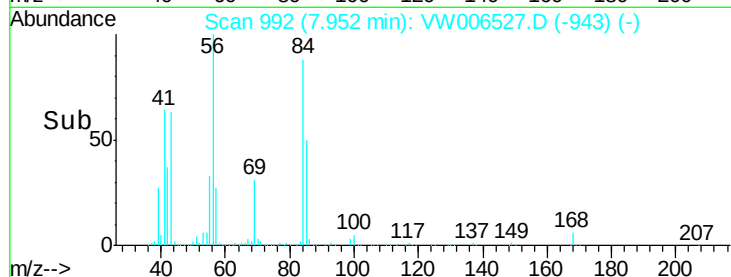
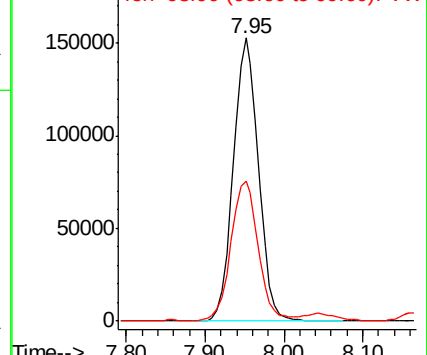
168 100

99 49.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#6

Chloroethane

Concen: 1.01 ug/l

RT: 3.03 min Scan# 185

Delta R.T. 0.10 min

Lab File: VW006527.D

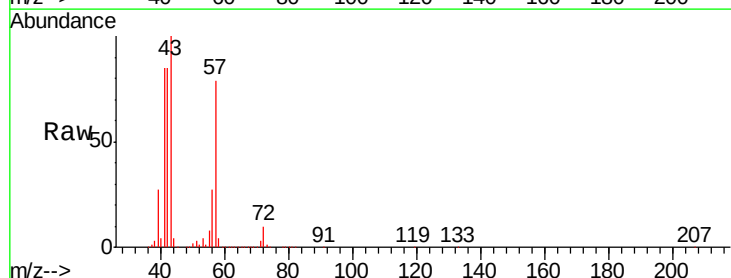
Acq: 31 Oct 2018 15:44

Tgt Ion: 64 Resp: 2229

Ion Ratio Lower Upper

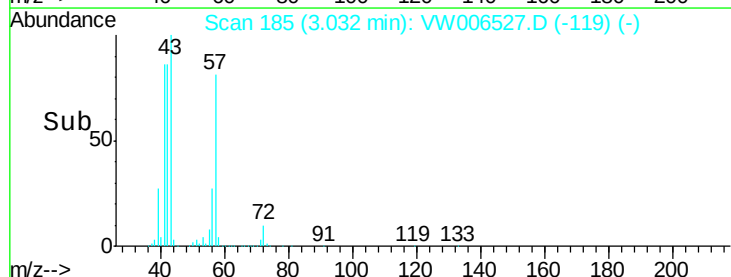
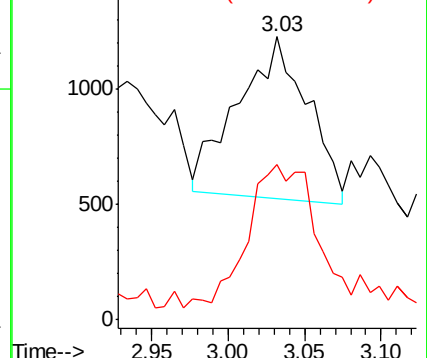
64 100

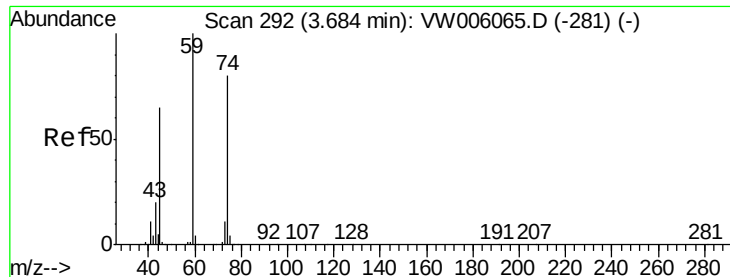
66 86.7 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#8

Diethyl Ether

Concen: 1.78 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

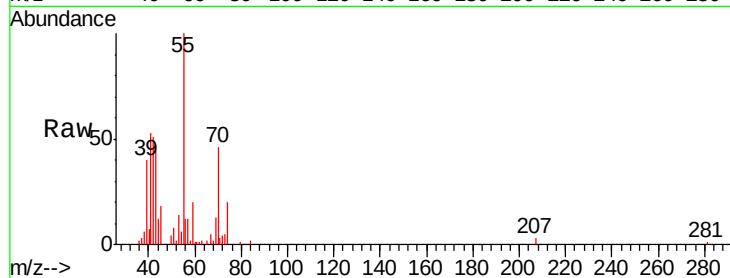
SB-4

Tgt Ion: 74 Resp: 2707

Ion Ratio Lower Upper

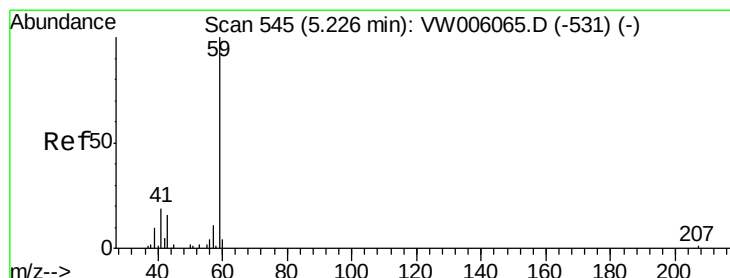
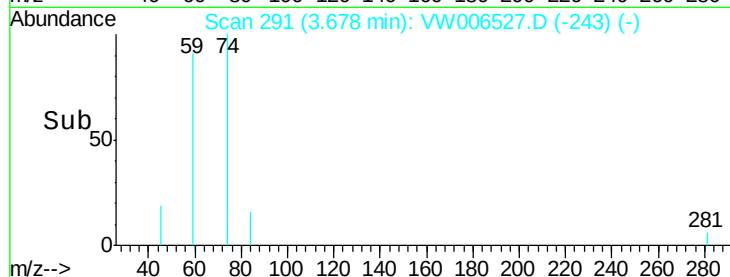
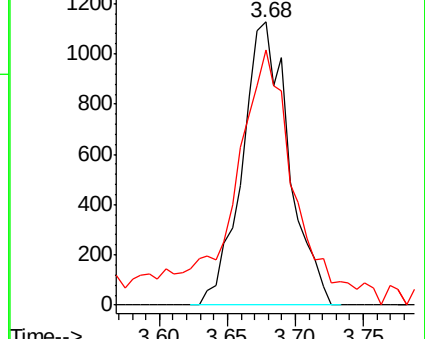
74 100

45 124.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 106.55 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006527.D

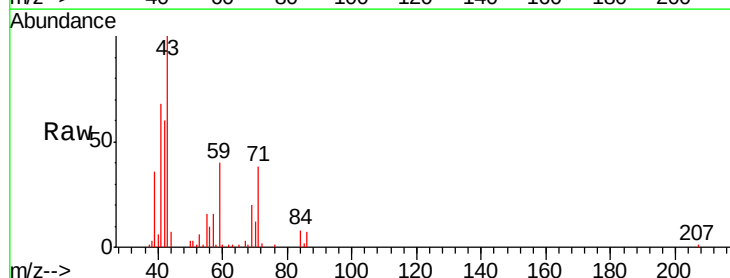
Acq: 31 Oct 2018 15:44

Tgt Ion: 59 Resp: 20014

Ion Ratio Lower Upper

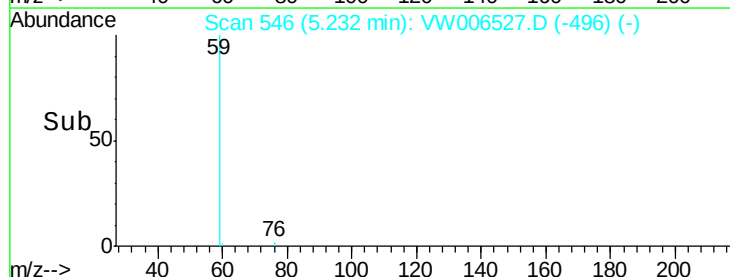
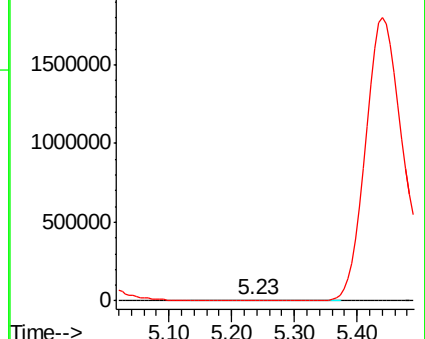
59 100

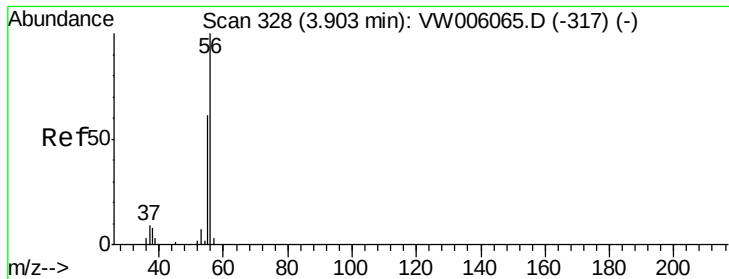
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 188.86 ug/l

RT: 3.84 min Scan# 318

Delta R.T. -0.06 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

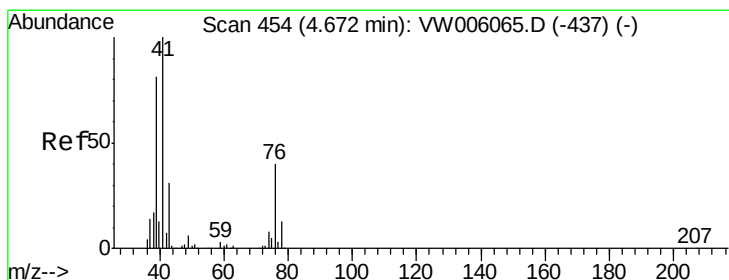
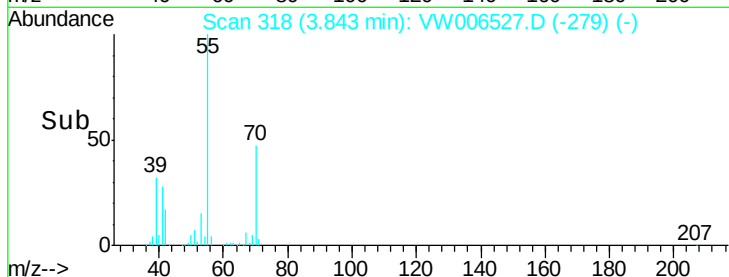
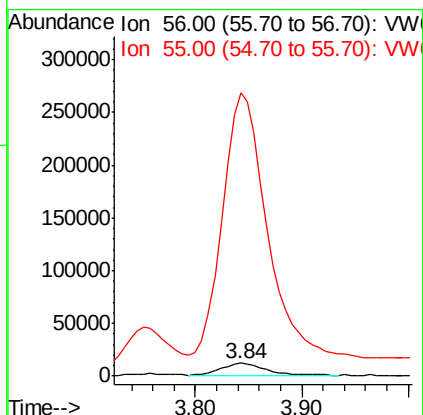
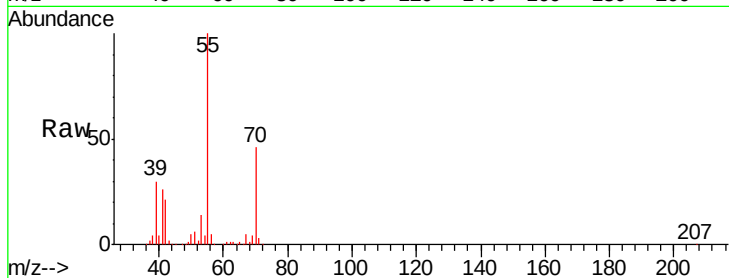
SB-4

Tgt Ion: 56 Resp: 34328

Ion Ratio Lower Upper

56 100

55 2269.2 54.5 81.7#



#14

Allyl chloride

Concen: 30.02 ug/l

RT: 4.75 min Scan# 467

Delta R.T. 0.08 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

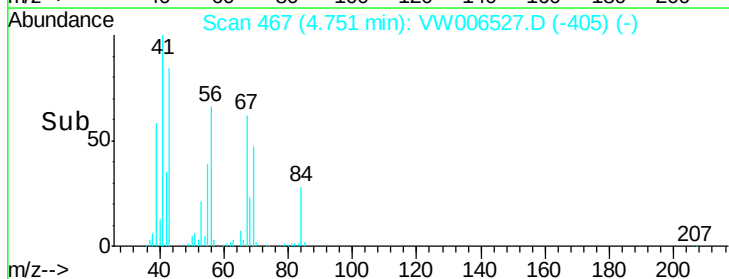
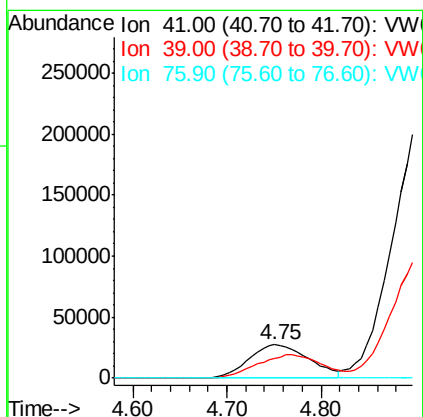
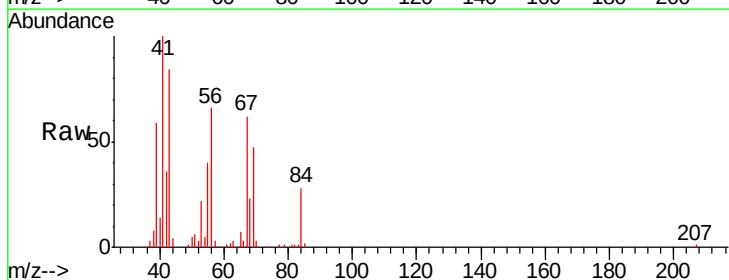
Tgt Ion: 41 Resp: 120841

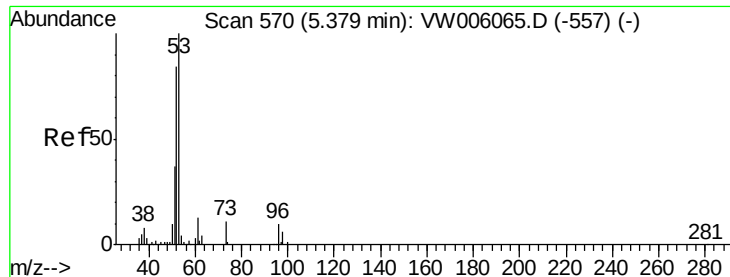
Ion Ratio Lower Upper

41 100

39 74.9 64.1 96.1

76 0.0 32.2 48.4#

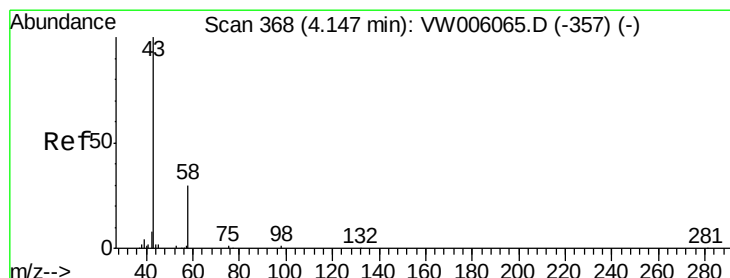
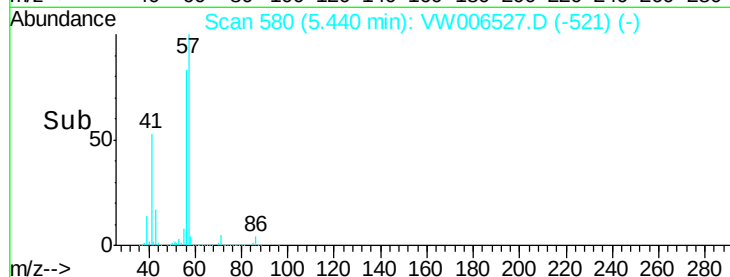
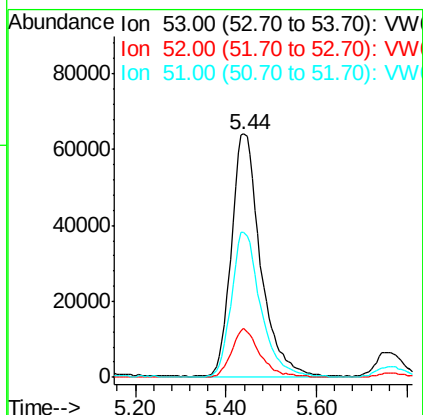
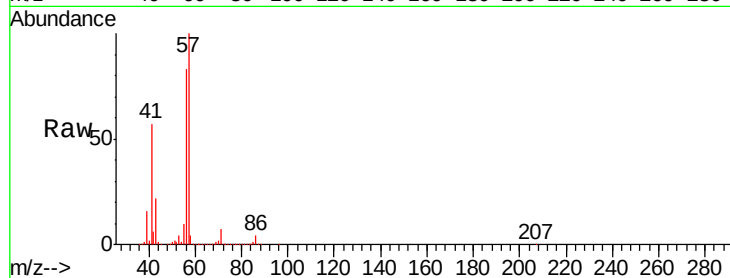




#15
 Acrylonitrile
 Concen: 523.34 ug/l
 RT: 5.44 min Scan# 580
 Delta R.T. 0.06 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

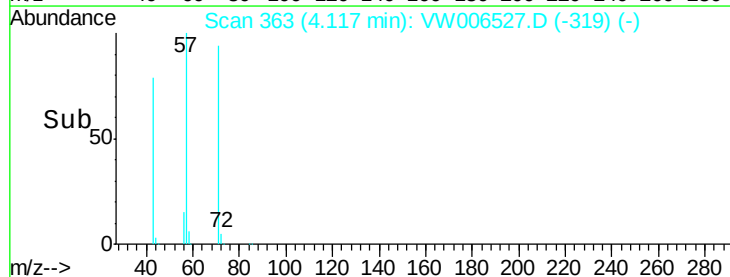
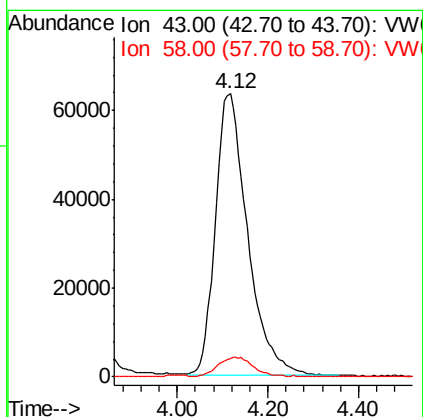
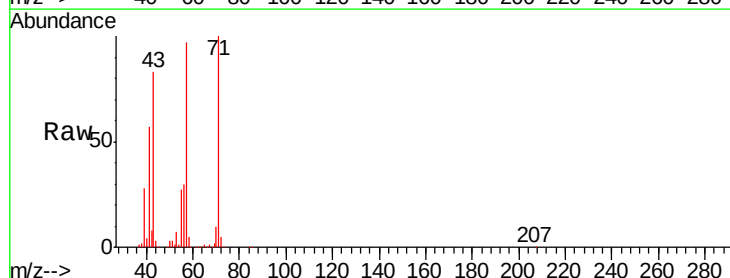
Instrument :
 MSVOA_W
 ClientSampled :
 SB-4

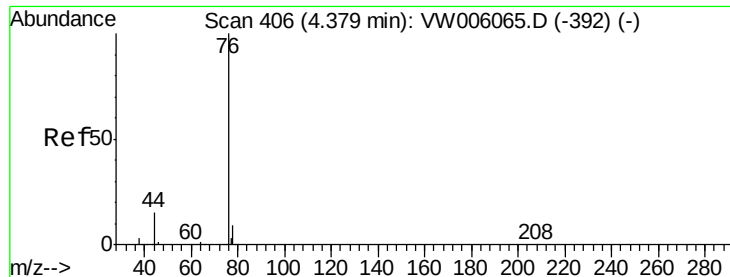
Tgt Ion: 53 Resp: 284809
 Ion Ratio Lower Upper
 53 100
 52 19.7 66.9 100.3#
 51 59.9 30.1 45.1#



#16
 Acetone
 Concen: 622.65 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.03 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion: 43 Resp: 314698
 Ion Ratio Lower Upper
 43 100
 58 6.4 24.0 36.0#





#17

Carbon Disulfide

Concen: 5.82 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

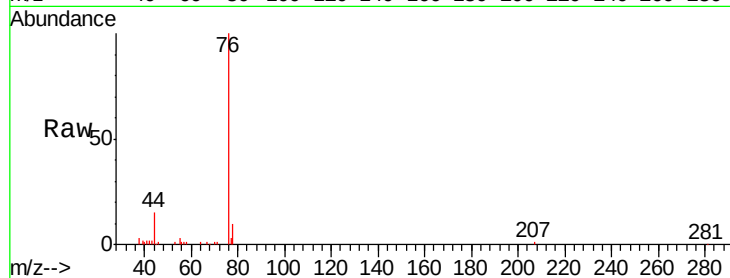
SB-4

Tgt Ion: 76 Resp: 49411

Ion Ratio Lower Upper

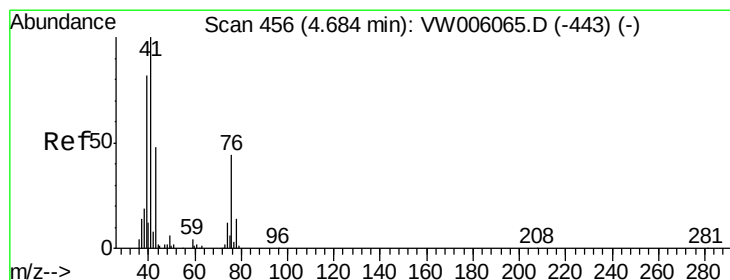
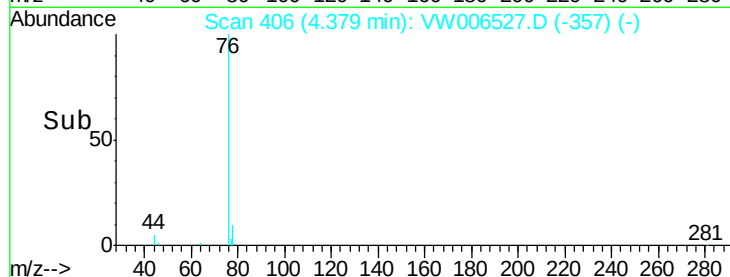
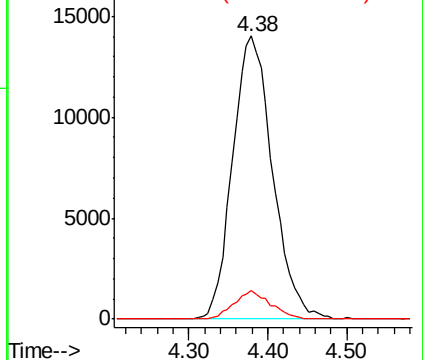
76 100

78 10.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 62.31 ug/l

RT: 4.74 min Scan# 465

Delta R.T. 0.05 min

Lab File: VW006527.D

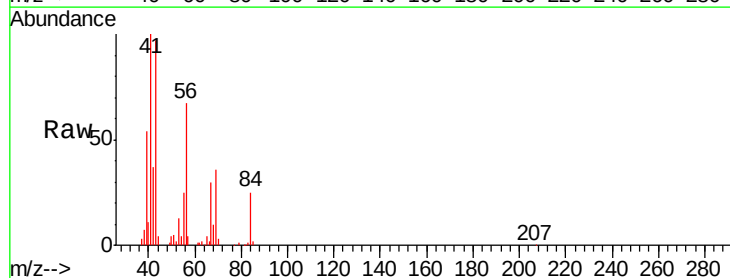
Acq: 31 Oct 2018 15:44

Tgt Ion: 43 Resp: 87582

Ion Ratio Lower Upper

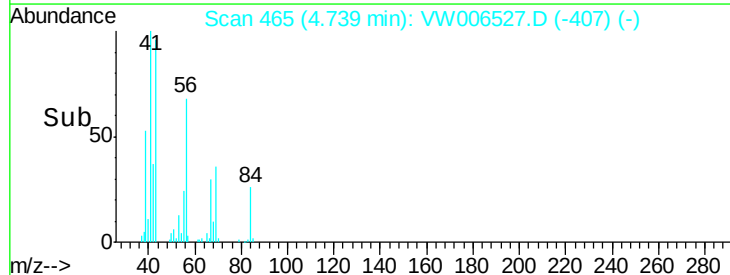
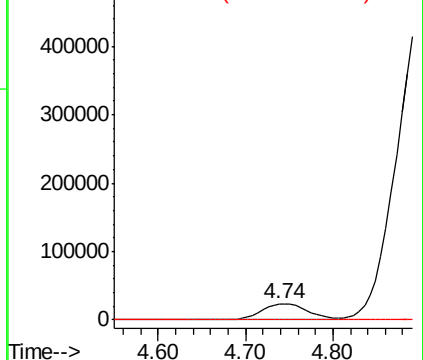
43 100

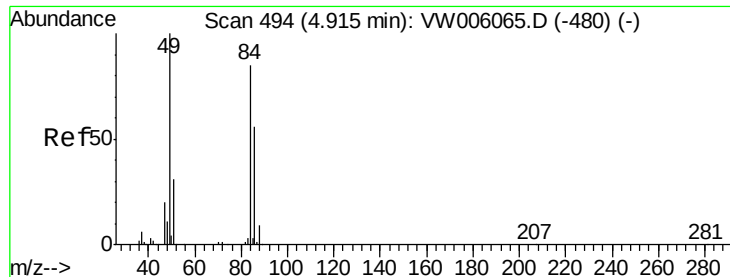
74 0.1 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 3.86 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

SB-4

Tgt Ion: 84 Resp: 15858

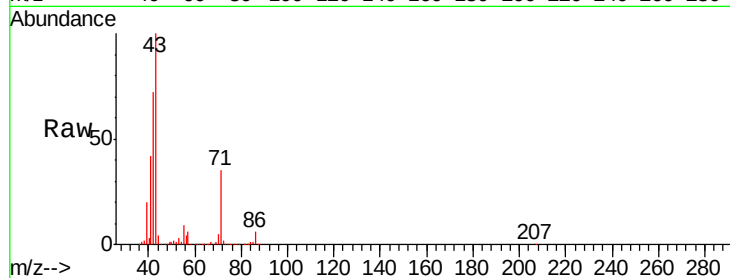
Ion Ratio Lower Upper

84 100

49 108.2 93.6 140.4

51 256.6 29.0 43.4#

86 767.9 52.6 79.0#

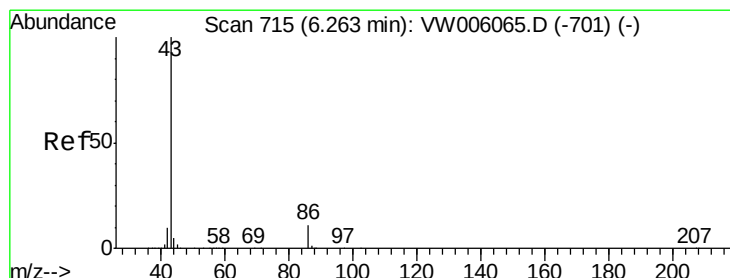
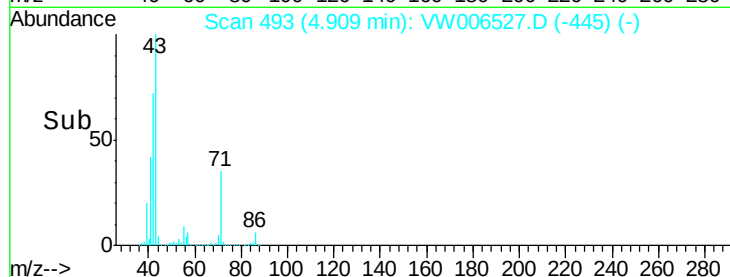
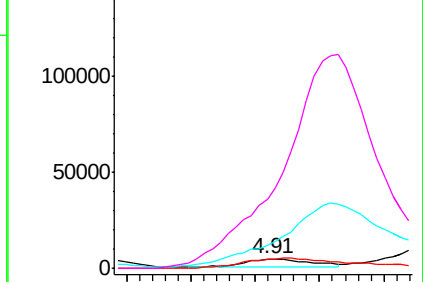


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#23

Vinyl Acetate

Concen: 8.49 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.02 min

Lab File: VW006527.D

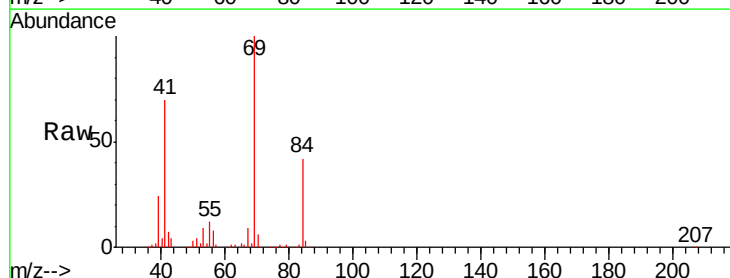
Acq: 31 Oct 2018 15:44

Tgt Ion: 43 Resp: 39865

Ion Ratio Lower Upper

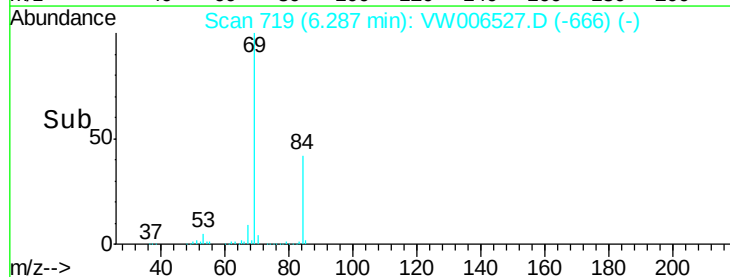
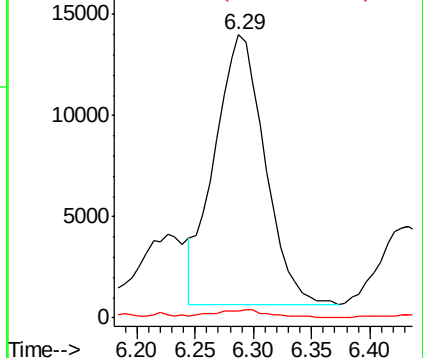
43 100

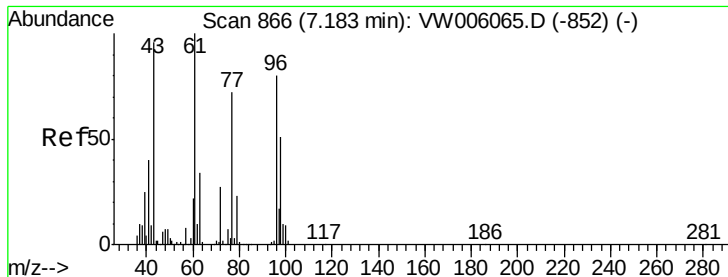
86 2.8 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#25

2-Butanone

Concen: 175.42 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

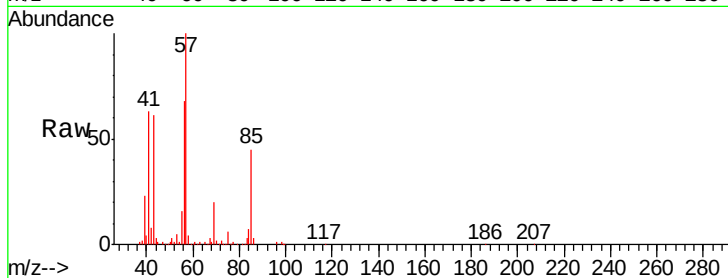
SB-4

Tgt Ion: 43 Resp: 132357

Ion Ratio Lower Upper

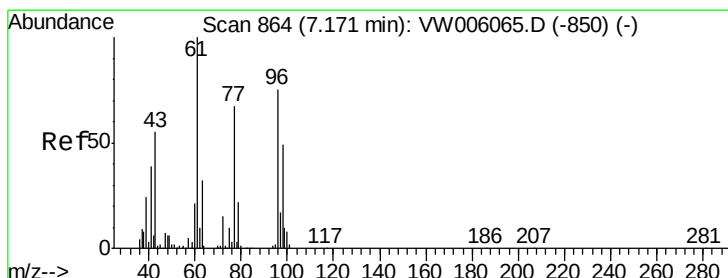
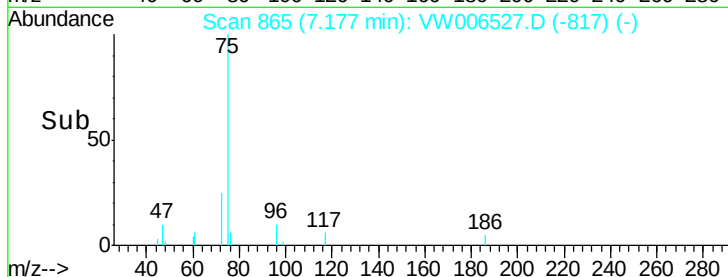
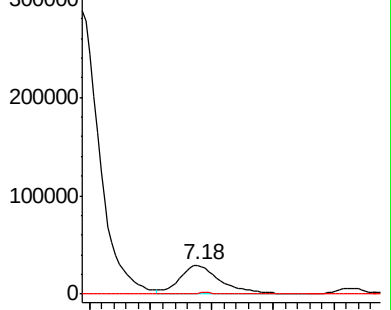
43 100

72 4.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 24.98 ug/l

RT: 6.99 min Scan# 834

Delta R.T. -0.18 min

Lab File: VW006527.D

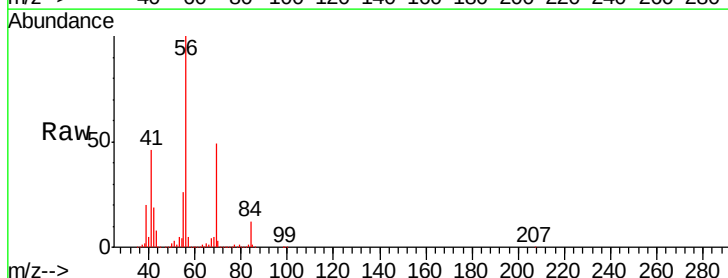
Acq: 31 Oct 2018 15:44

Tgt Ion: 77 Resp: 90415

Ion Ratio Lower Upper

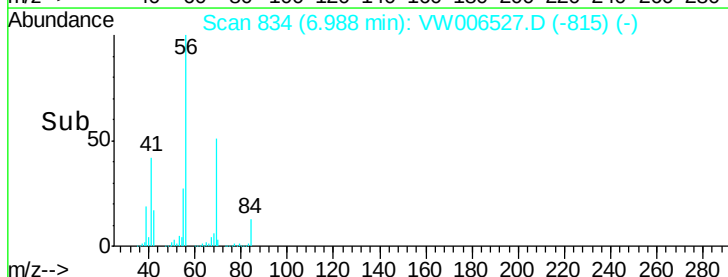
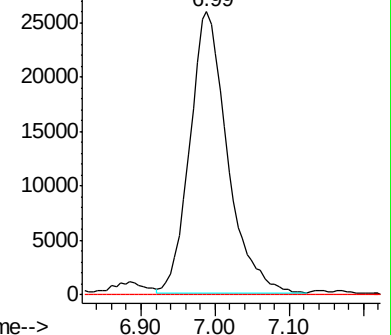
77 100

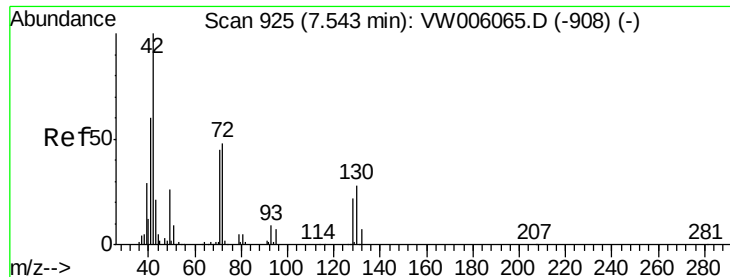
97 0.0 12.2 36.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

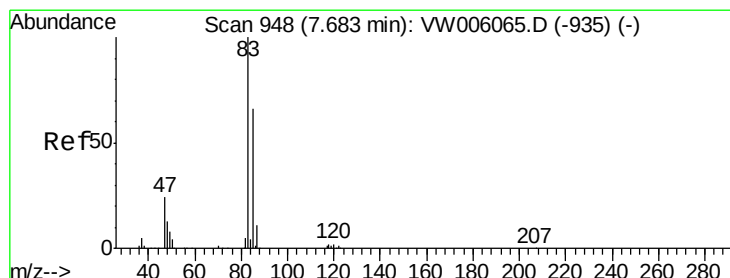
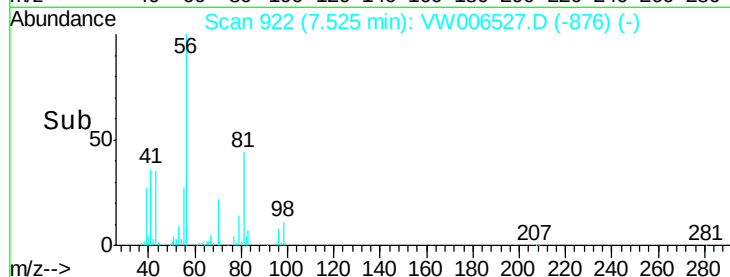
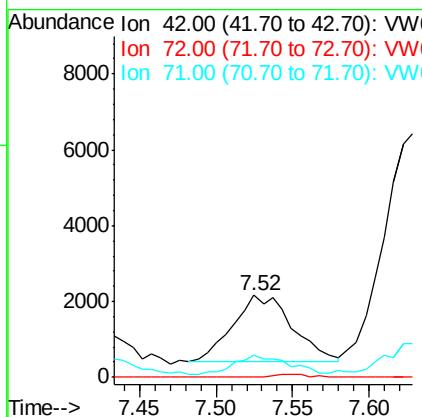
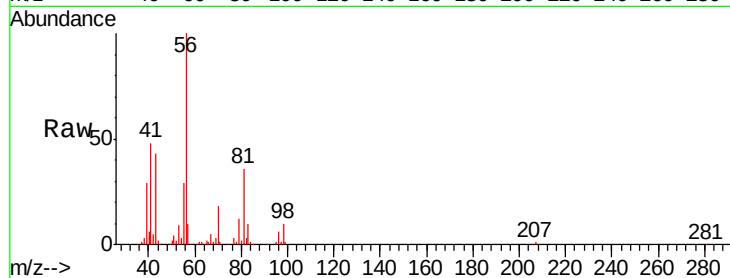




#29
Tetrahydrofuran
Concen: 10.05 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.02 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

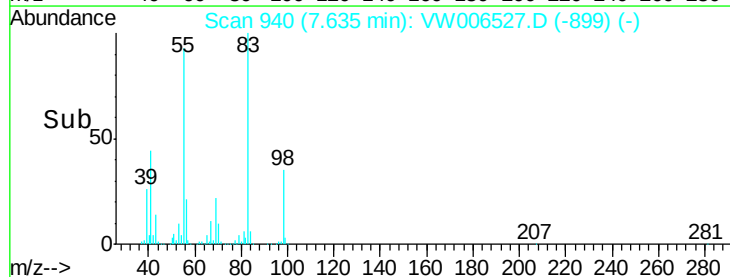
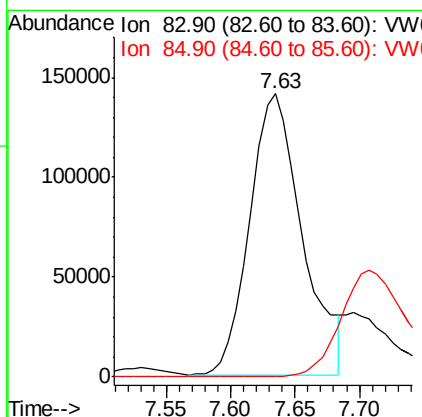
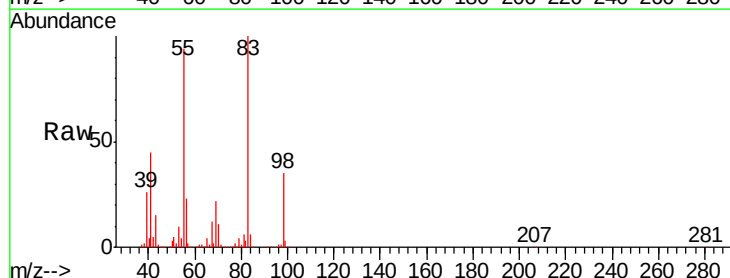
Instrument :
MSVOA_W
ClientSampled :
SB-4

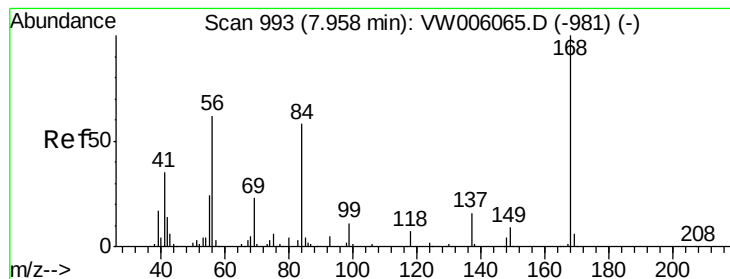
Tgt Ion: 42 Resp: 4659
Ion Ratio Lower Upper
42 100
72 0.0 38.0 57.0#
71 0.0 35.3 52.9#



#30
Chloroform
Concen: 71.30 ug/l
RT: 7.63 min Scan# 940
Delta R.T. -0.05 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 83 Resp: 398647
Ion Ratio Lower Upper
83 100
85 0.4 52.6 79.0#





#31

Cyclohexane

Concen: 1912.01 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

SB-4

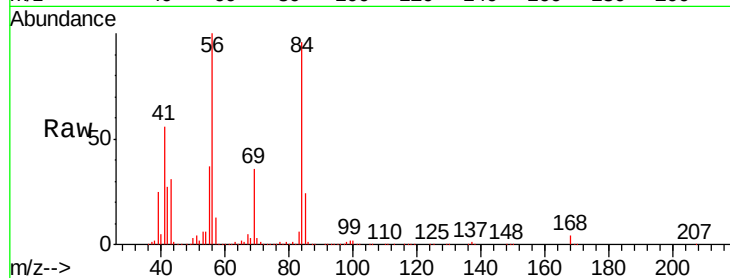
Tgt Ion: 56 Resp: 9771953

Ion Ratio Lower Upper

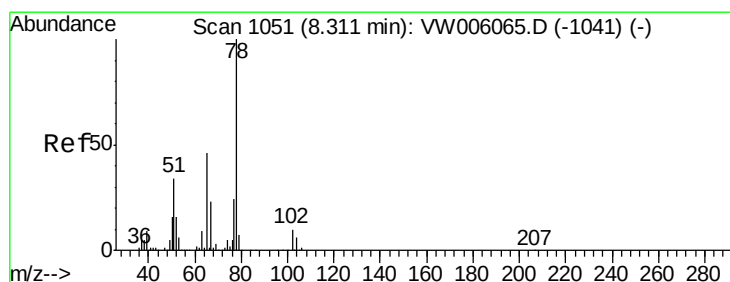
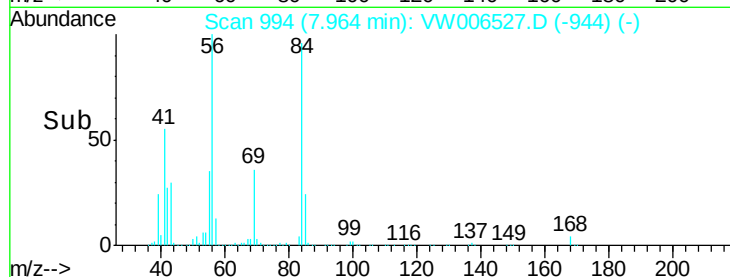
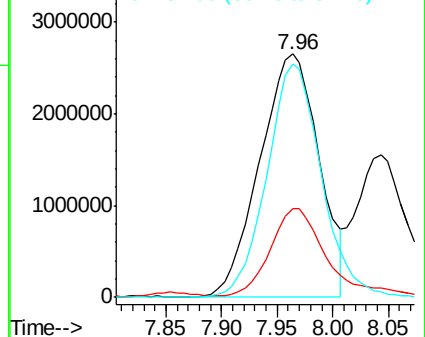
56 100

69 35.2 29.4 44.0

84 96.2 74.0 111.0



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



#33

1,2-Dichloroethane-d4

Concen: 44.30 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006527.D

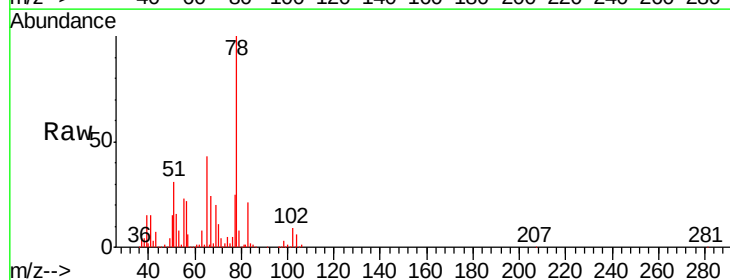
Acq: 31 Oct 2018 15:44

Tgt Ion: 65 Resp: 123721

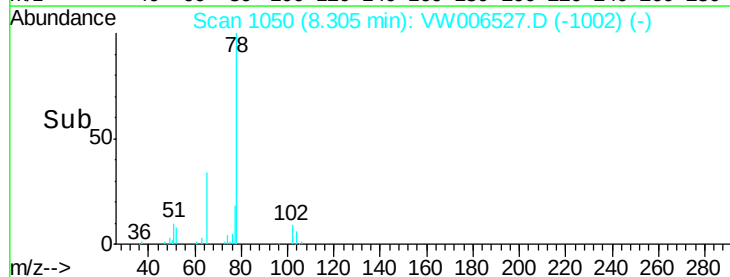
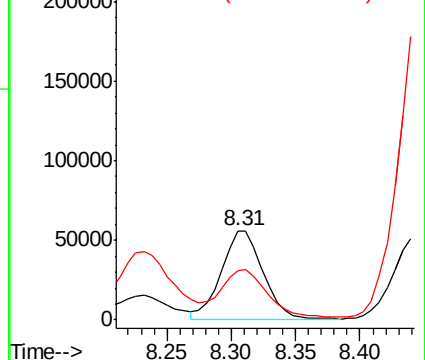
Ion Ratio Lower Upper

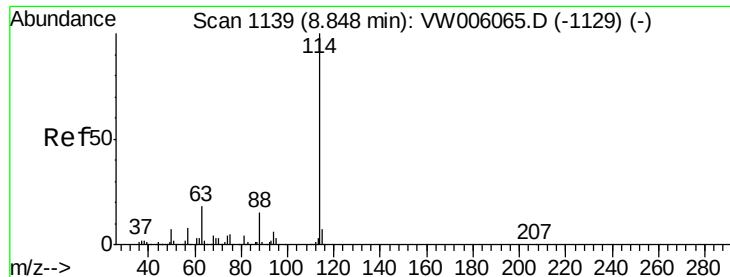
65 100

67 60.7 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

SB-4

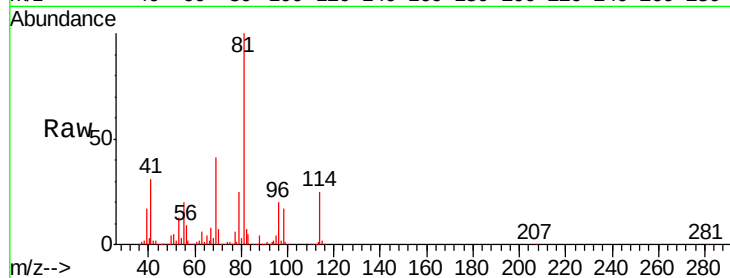
Tgt Ion:114 Resp: 540640

Ion Ratio Lower Upper

114 100

63 23.6 0.0 36.8

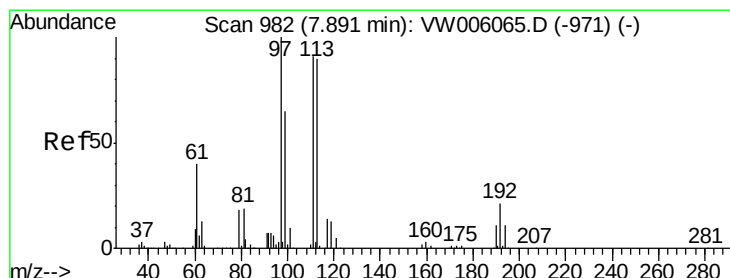
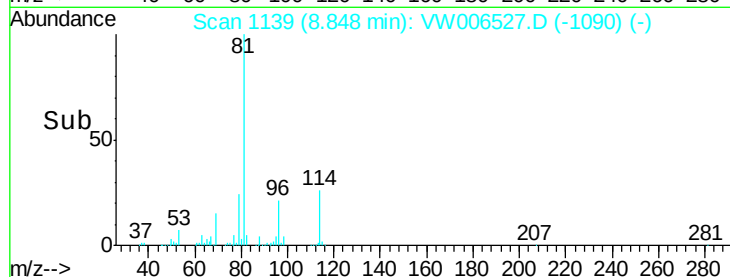
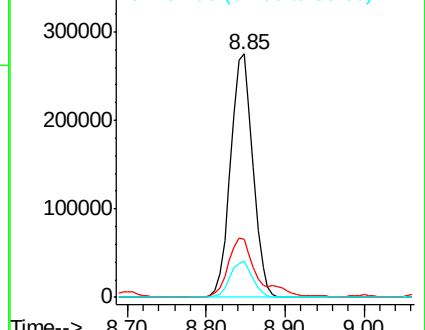
88 14.8 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 37.67 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

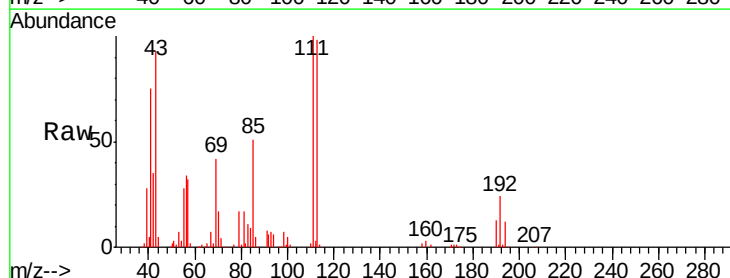
Tgt Ion:113 Resp: 120342

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

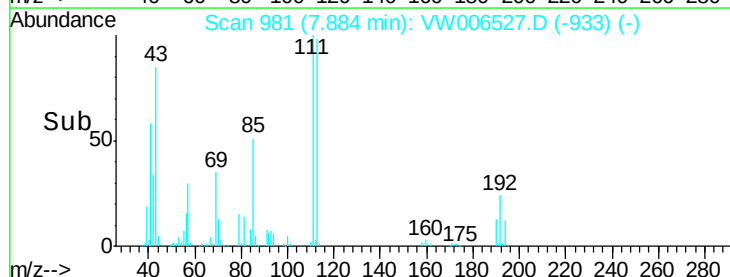
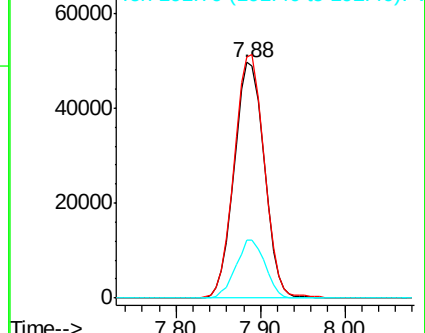
192 23.8 18.7 28.1

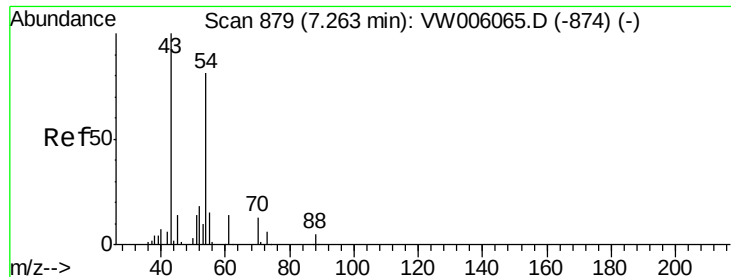


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

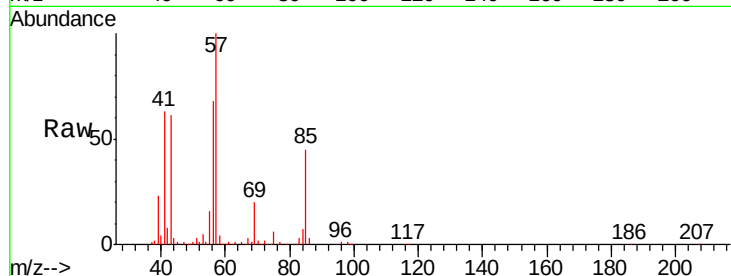




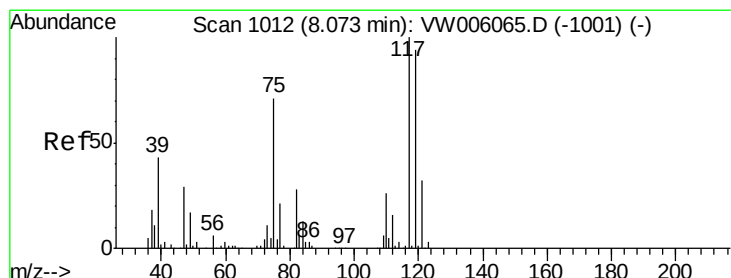
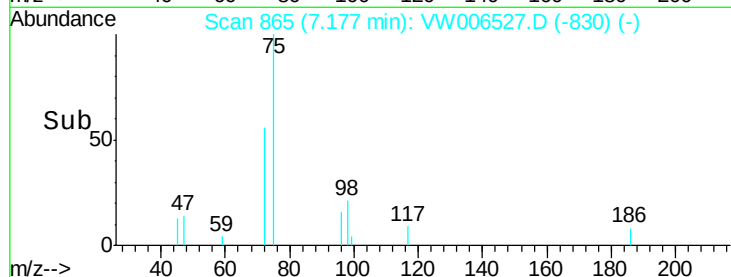
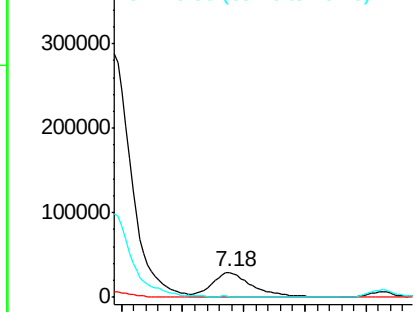
#37
Ethyl Acetate
Concen: 71.49 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.09 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Instrument :
MSVOA_W
ClientSampleId :
SB-4

Tgt Ion: 43 Resp: 132357
Ion Ratio Lower Upper
43 100
61 1.2 11.5 17.3#
70 0.0 9.2 13.8#

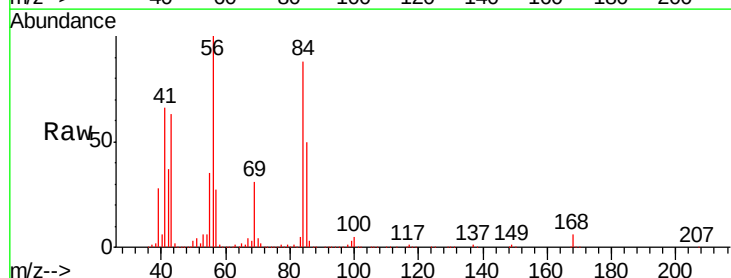


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

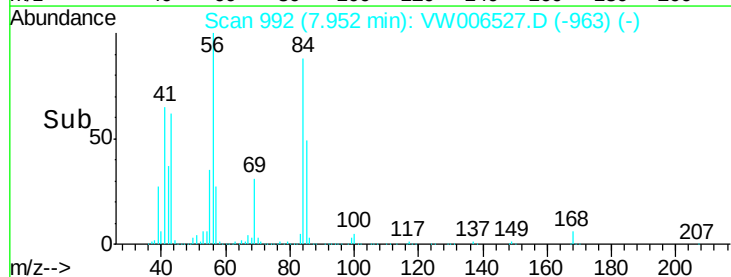
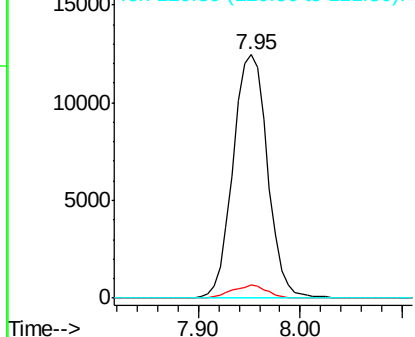


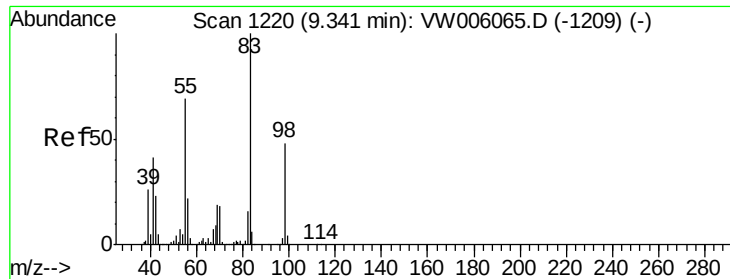
#38
Carbon Tetrachloride
Concen: 5.34 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 117 Resp: 29188
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 25.3 37.9#



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

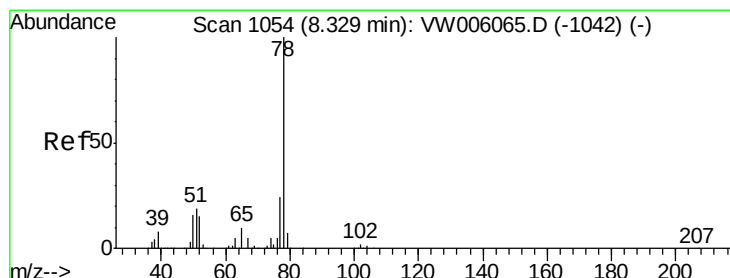
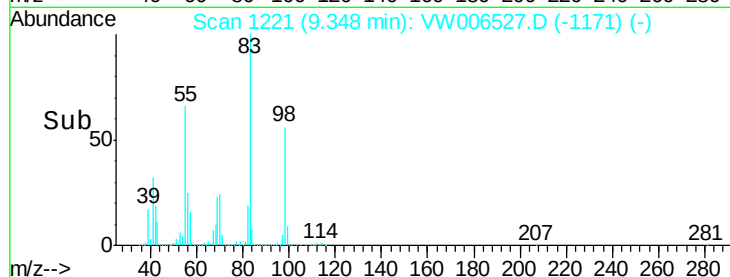
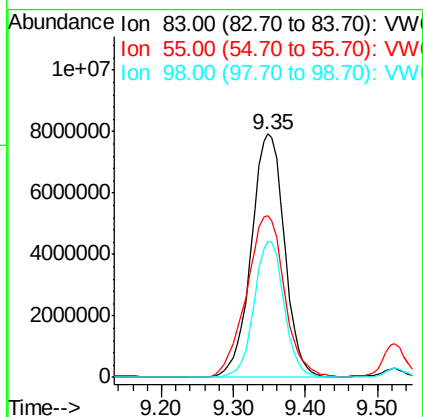
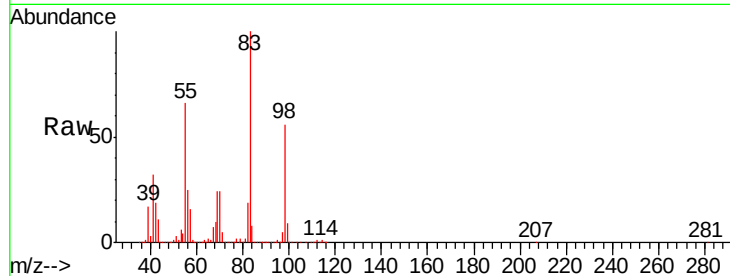




#39
Methylcyclohexane
Concen: 3819.89 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

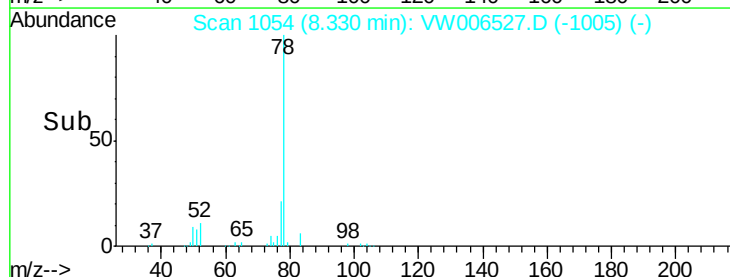
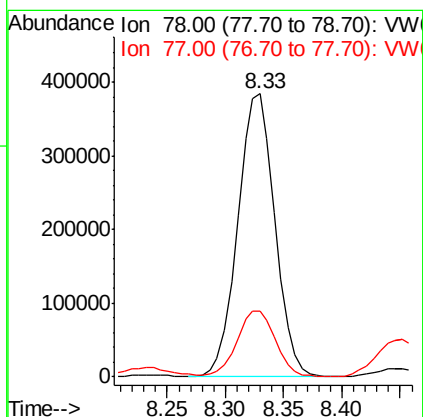
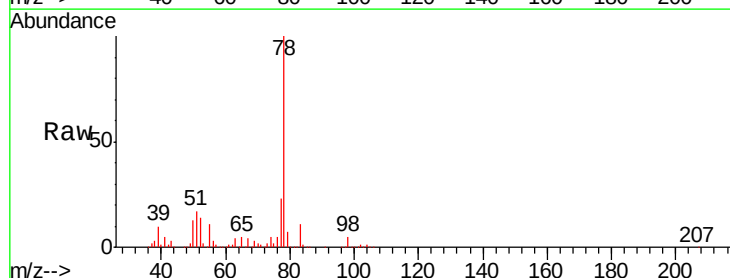
Instrument :
MSVOA_W
ClientSampled :
SB-4

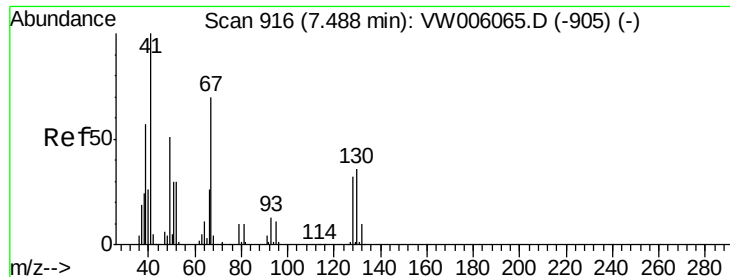
Tgt Ion: 83 Resp: 25303060
Ion Ratio Lower Upper
83 100
55 66.2 55.0 82.6
98 55.8 38.6 57.8



#40
Benzene
Concen: 61.97 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 78 Resp: 847153
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

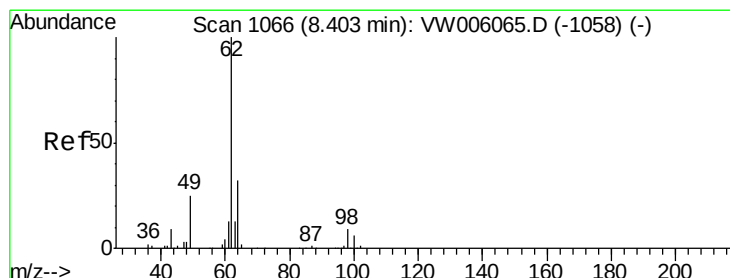
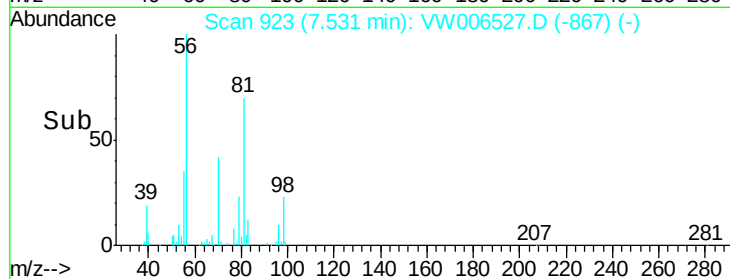
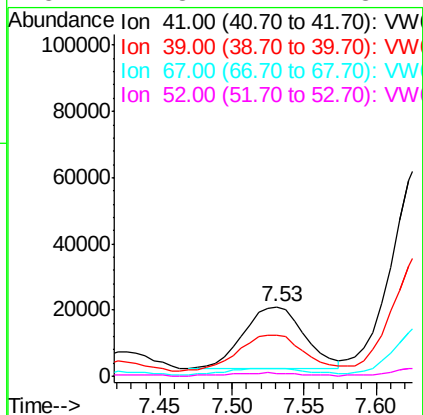
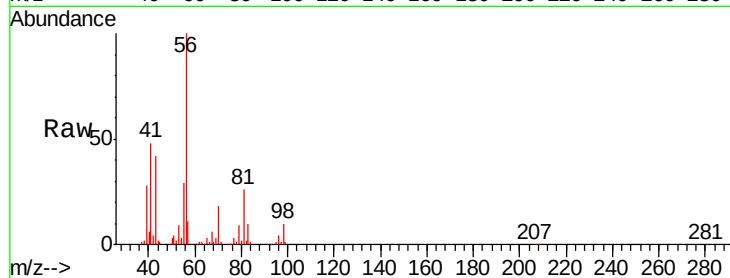




#41
Methacrylonitrile
Concen: 48.99 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.04 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

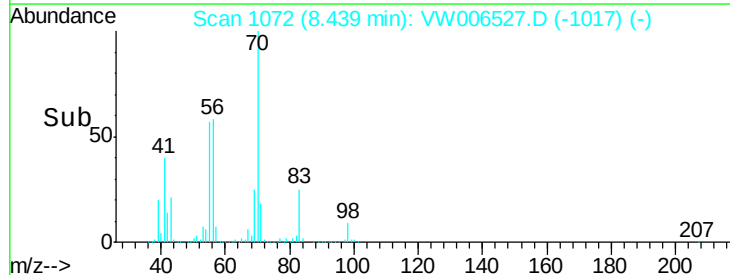
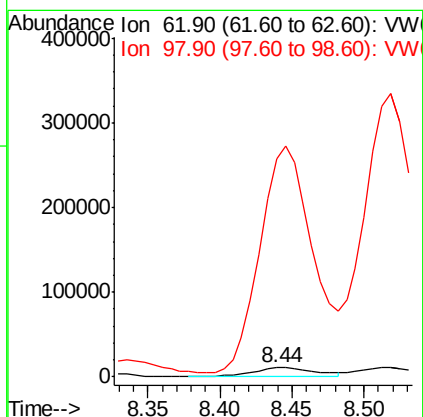
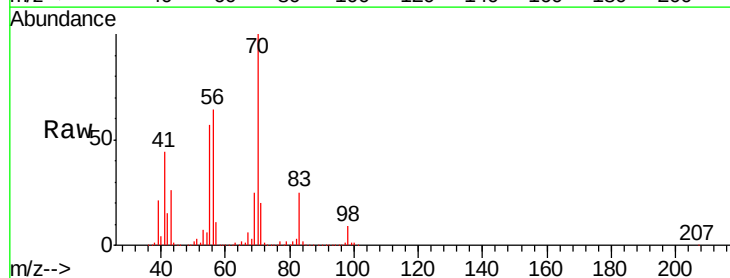
Instrument :
MSVOA_W
ClientSampled :
SB-4

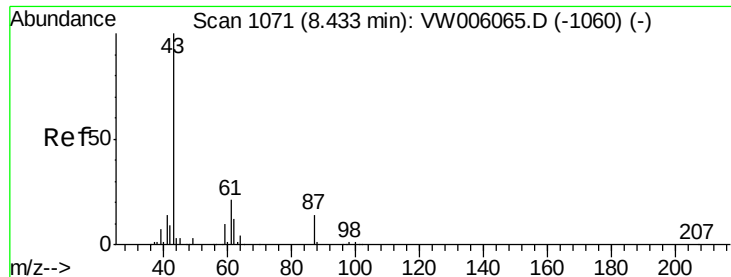
Tgt Ion	Resp	Lower	Upper
41	100		
39	61.3	46.2	69.4
67	0.0	57.7	86.5#
52	4.8	24.7	37.1#



#42
1,2-Dichloroethane
Concen: 8.18 ug/l
RT: 8.44 min Scan# 1072
Delta R.T. 0.04 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion	Resp	Lower	Upper
62	100		
98	2092.8	0.0	18.4#

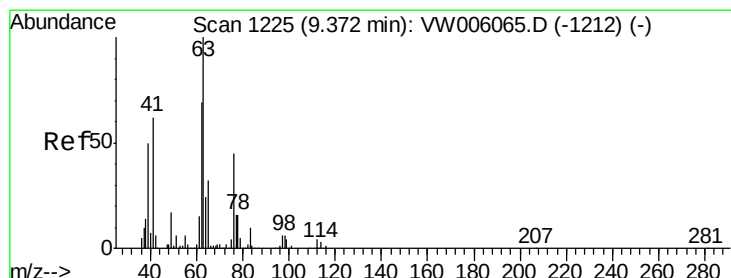
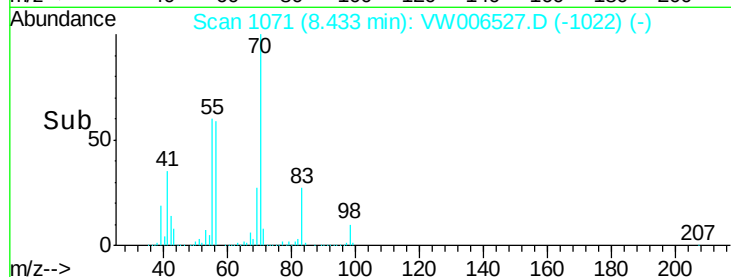
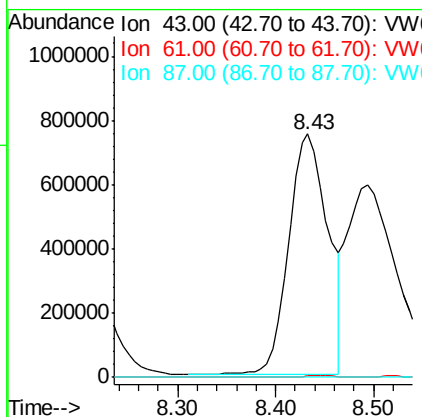
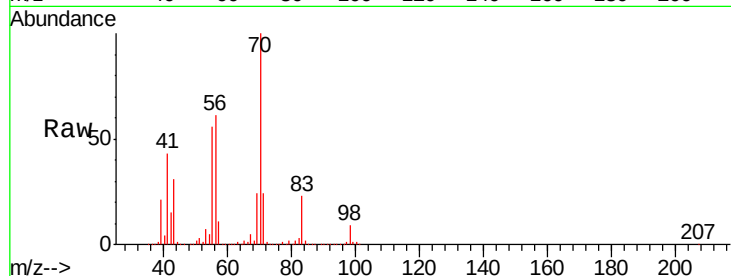




#43
Isopropyl Acetate
Concen: 554.30 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

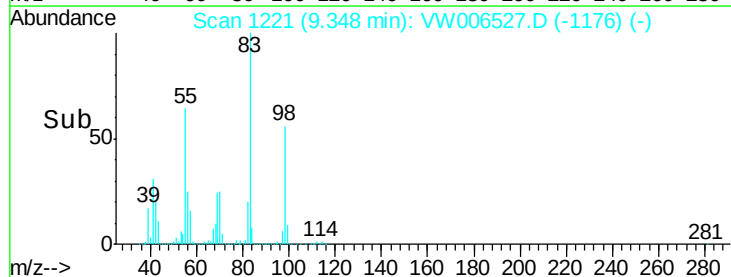
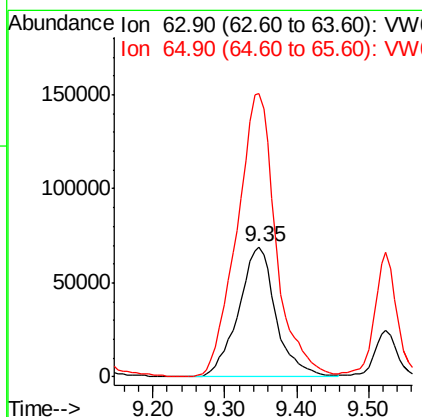
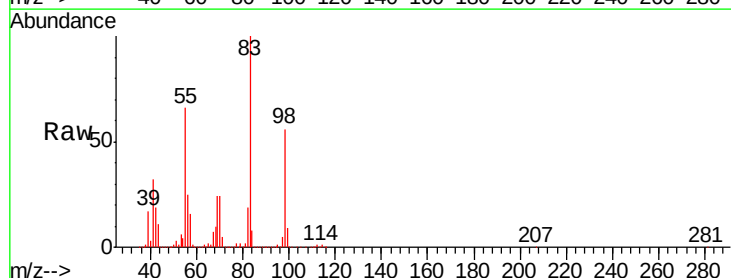
Instrument :
MSVOA_W
ClientSampled :
SB-4

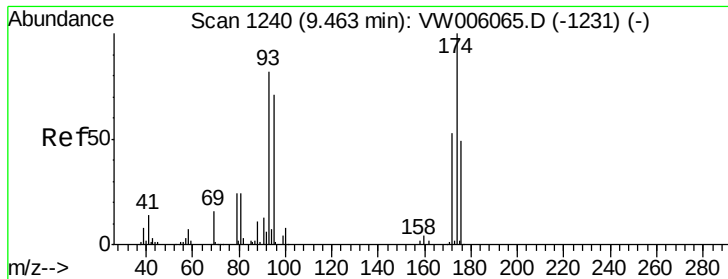
Tgt Ion: 43 Resp: 2098321
Ion Ratio Lower Upper
43 100
61 0.6 25.5 38.3#
87 0.0 11.7 17.5#



#45
1,2-Dichloropropane
Concen: 76.22 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. -0.02 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 63 Resp: 249321
Ion Ratio Lower Upper
63 100
65 217.5 25.4 38.0#





#46

Dibromomethane

Concen: 8.43 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.05 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

SB-4

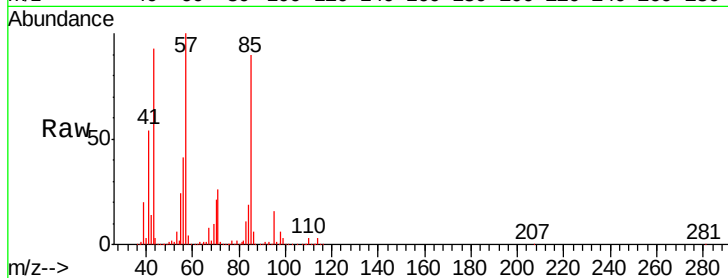
Tgt Ion: 93 Resp: 15719

Ion Ratio Lower Upper

93 100

95 2081.0 67.7 101.5#

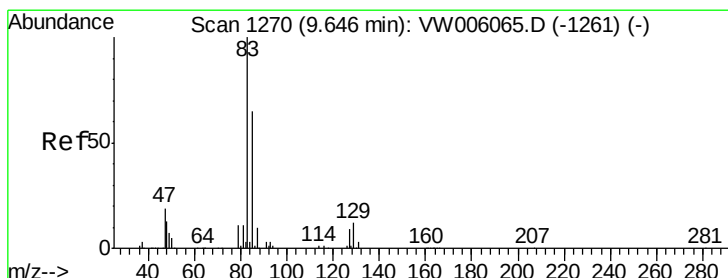
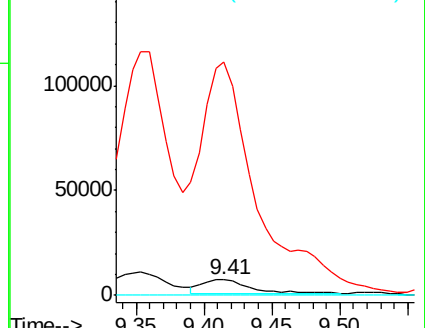
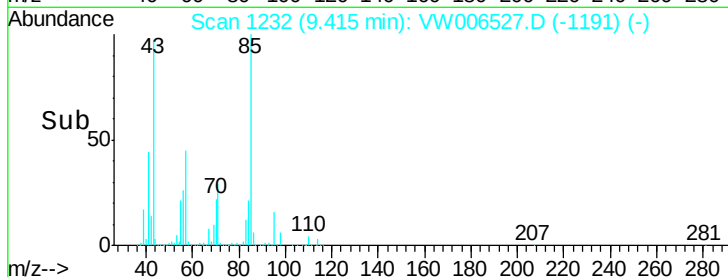
174 0.0 93.7 140.5#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 246.69 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

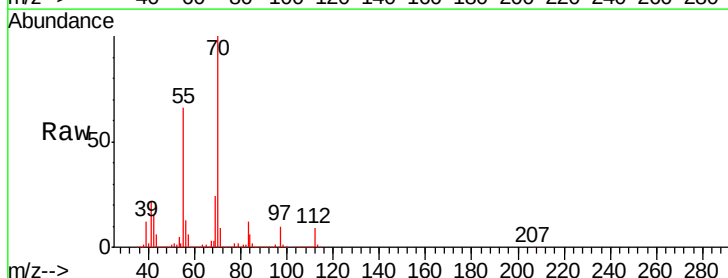
Tgt Ion: 83 Resp: 1115005

Ion Ratio Lower Upper

83 100

85 13.7 51.8 77.8#

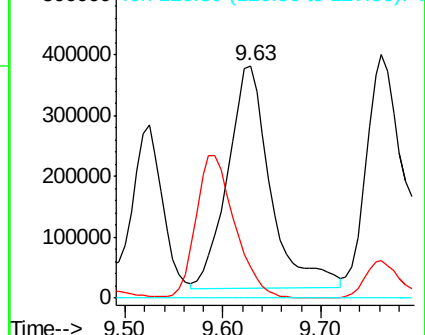
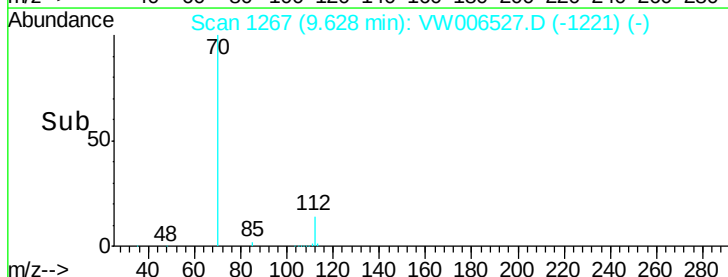
127 0.0 6.9 10.3#

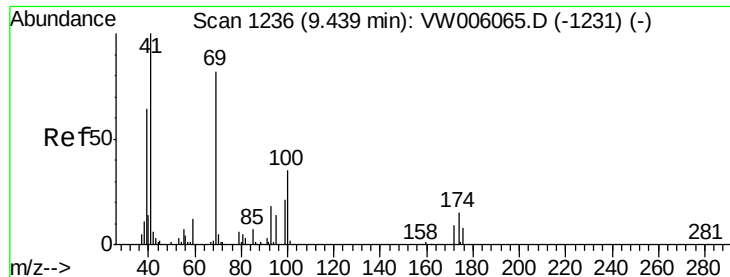


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 1416.09 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.09 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

SB-4

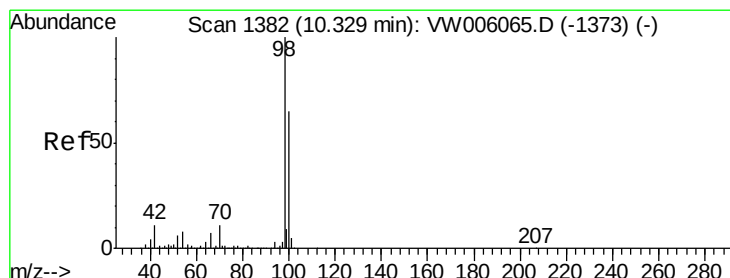
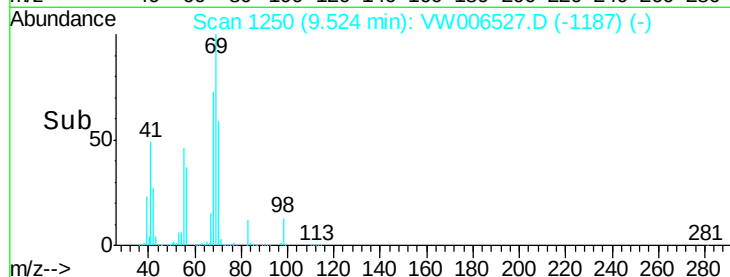
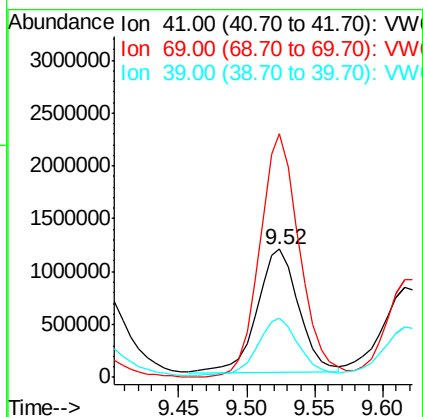
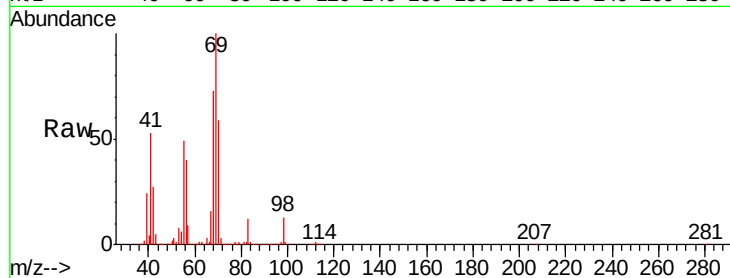
Tgt Ion: 41 Resp: 2541026

Ion Ratio Lower Upper

41 100

69 185.4 71.8 107.8#

39 45.3 52.5 78.7#



#50

Toluene-d8

Concen: 245.94 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW006527.D

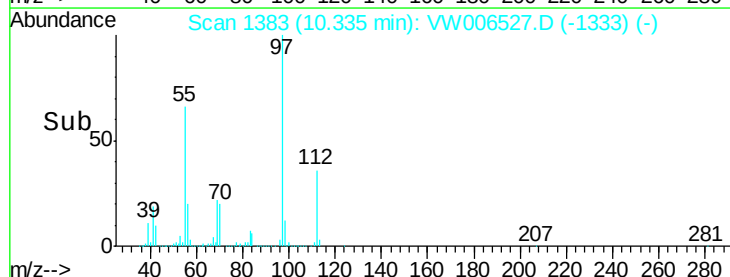
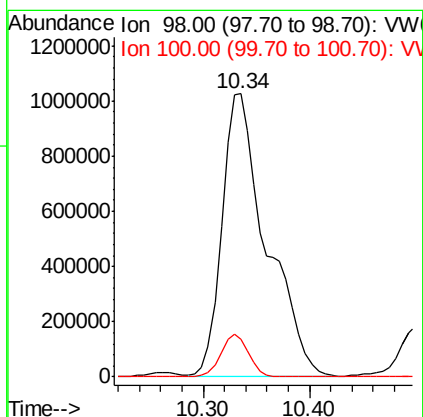
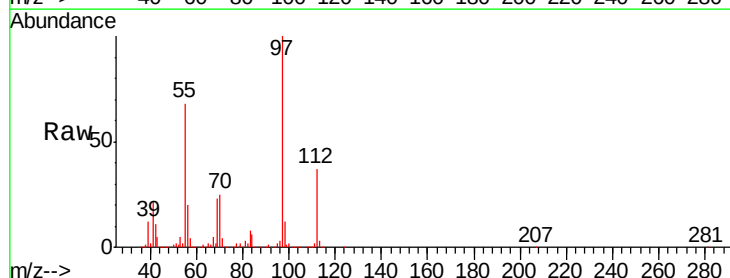
Acq: 31 Oct 2018 15:44

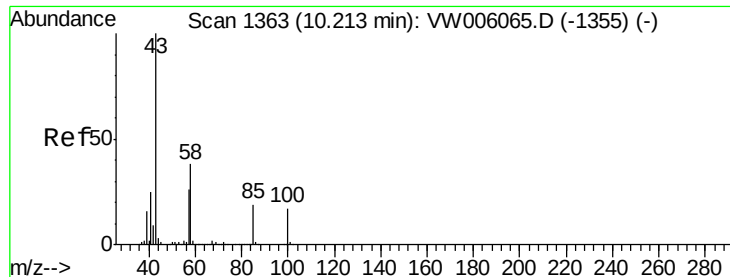
Tgt Ion: 98 Resp: 2989180

Ion Ratio Lower Upper

98 100

100 9.3 51.6 77.4#





#51

4-Methyl-2-Pentanone

Concen: 263.37 ug/l

RT: 10.26 min Scan# 1371

Delta R.T. 0.05 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

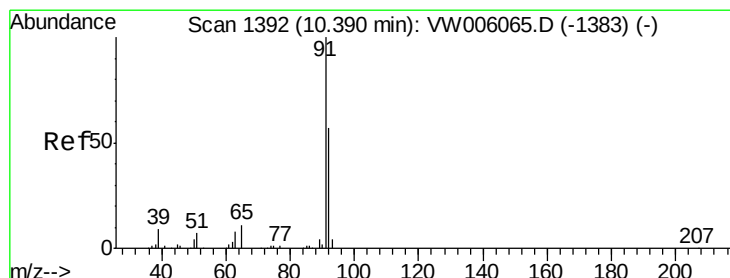
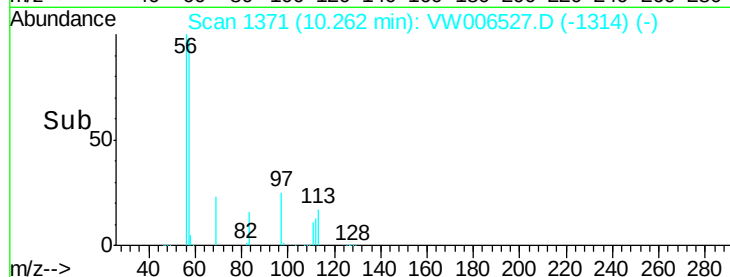
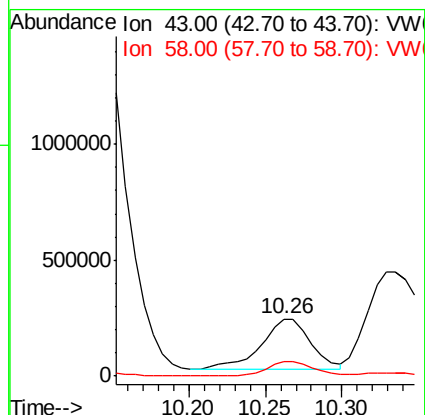
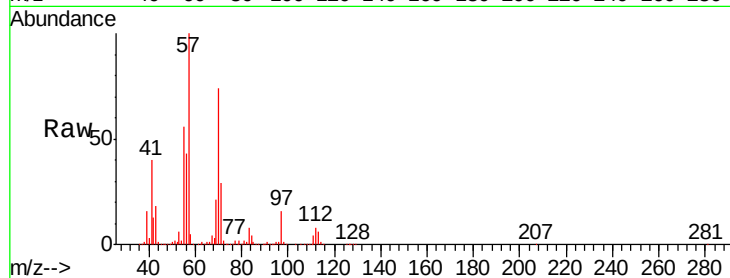
SB-4

Tgt Ion: 43 Resp: 499536

Ion Ratio Lower Upper

43 100

58 25.8 31.5 47.3#



#52

Toluene

Concen: 26.11 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW006527.D

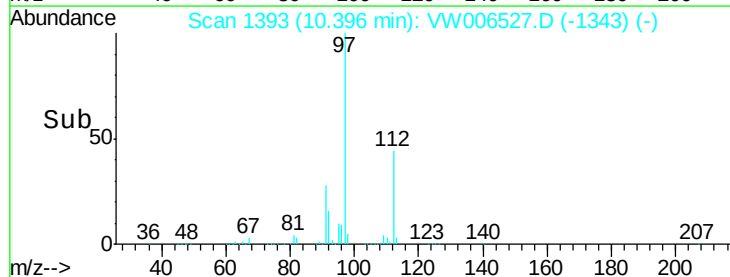
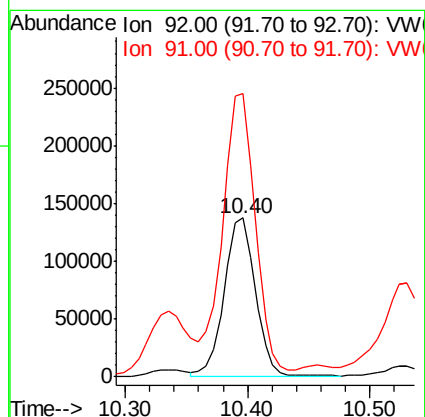
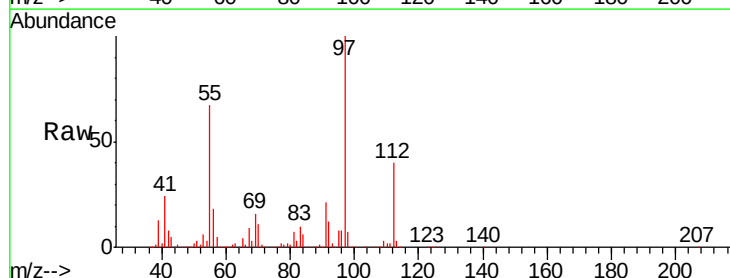
Acq: 31 Oct 2018 15:44

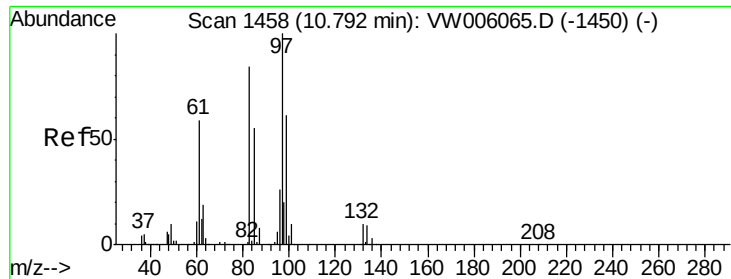
Tgt Ion: 92 Resp: 239242

Ion Ratio Lower Upper

92 100

91 182.4 140.0 210.0

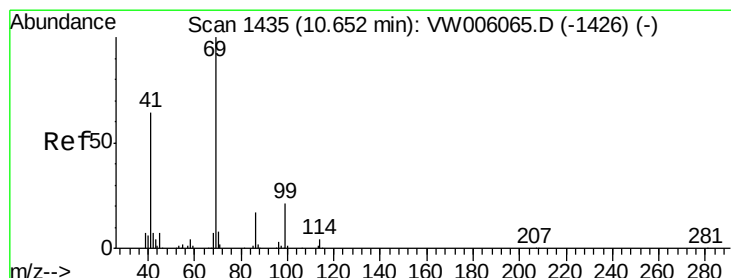
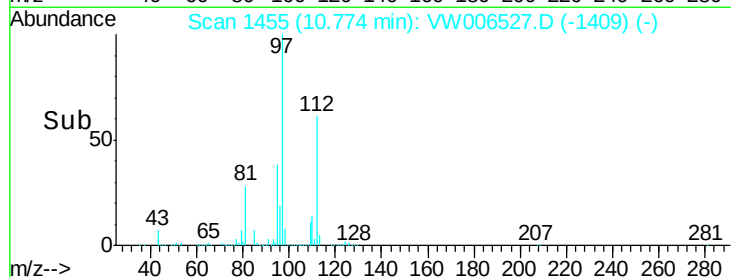
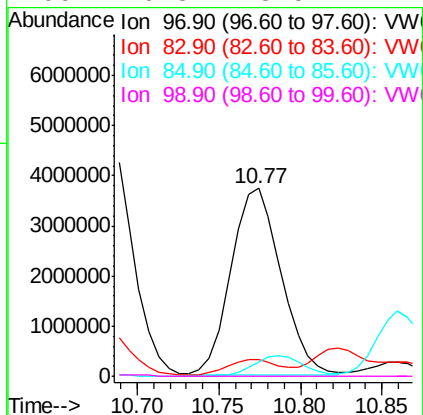
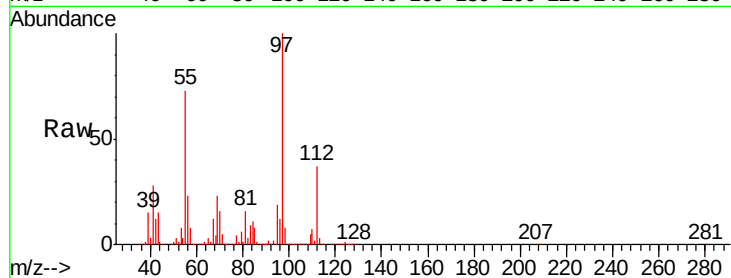




#55
 1,1,2-Trichloroethane
 Concen: 3053.47 ug/l
 RT: 10.77 min Scan# 1455
 Delta R.T. -0.02 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

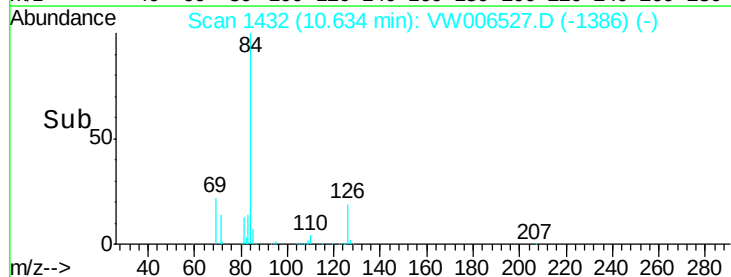
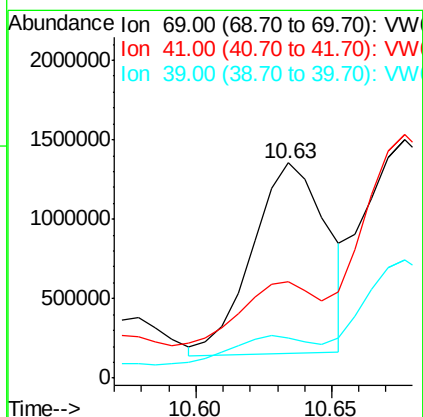
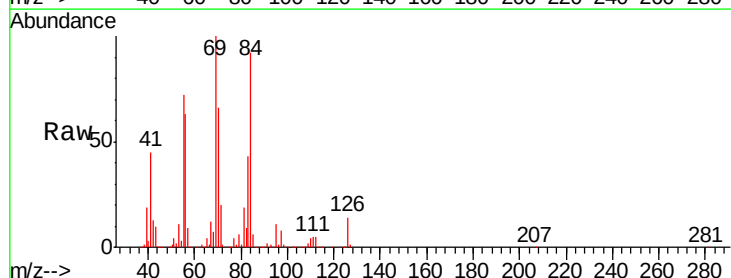
Instrument :
 MSVOA_W
 ClientSampled :
 SB-4

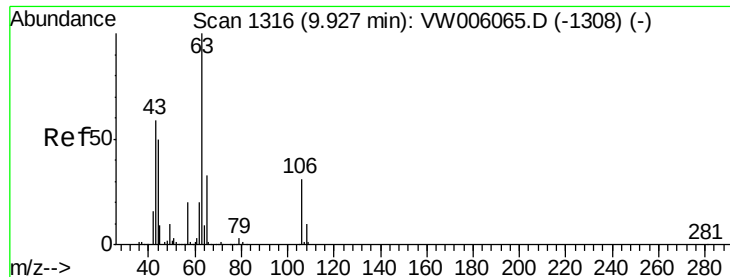
Tgt Ion: 97 Resp: 7966128
 Ion Ratio Lower Upper
 97 100
 83 8.3 67.2 100.8#
 85 7.6 43.7 65.5#
 99 0.3 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 713.42 ug/l
 RT: 10.63 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion: 69 Resp: 2281705
 Ion Ratio Lower Upper
 69 100
 41 43.3 52.8 79.2#
 39 19.8 30.6 45.8#

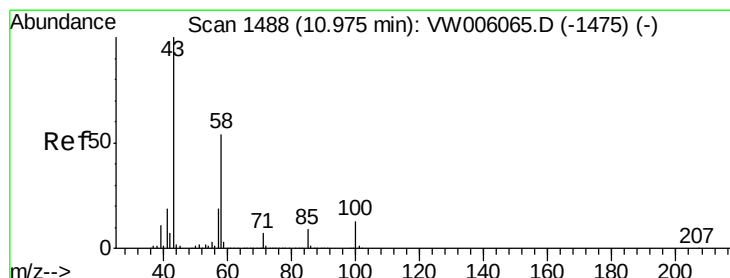
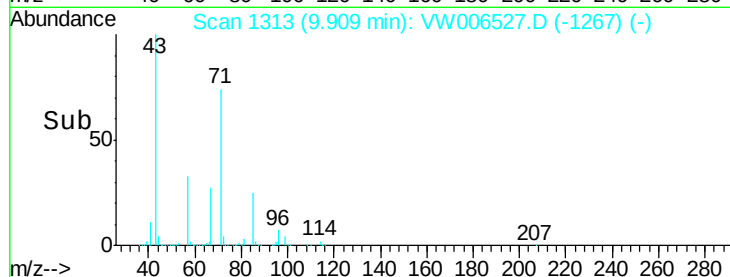
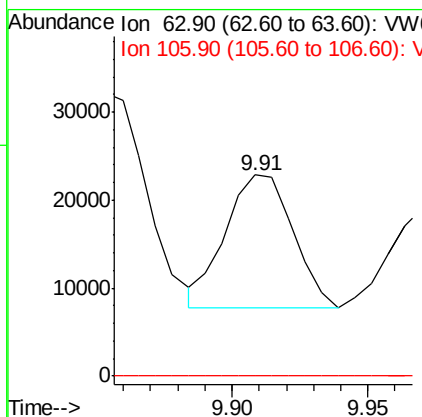
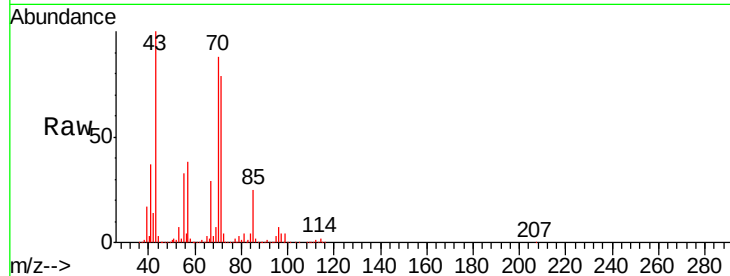




#58
 2-Chloroethyl Vinyl ether
 Concen: 21.26 ug/l
 RT: 9.91 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

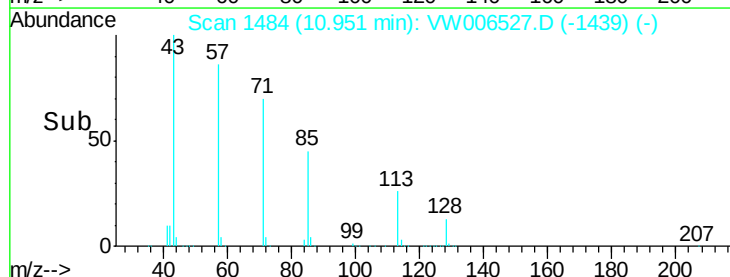
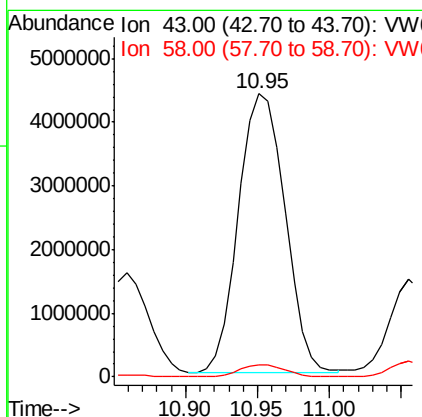
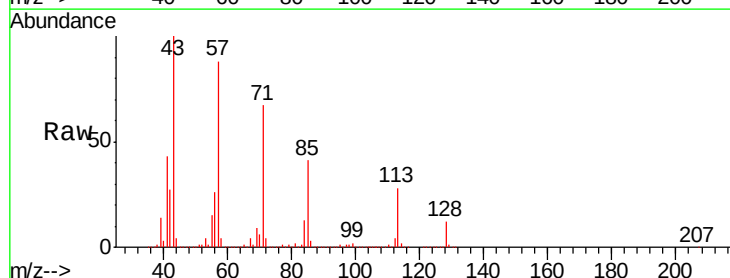
Instrument :
 MSVOA_W
 ClientSampled :
 SB-4

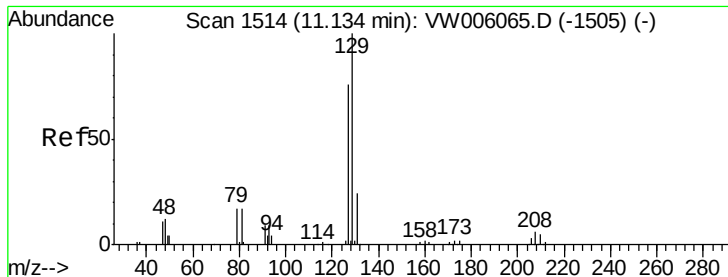
Tgt Ion: 63 Resp: 25977
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.5 36.7#



#59
 2-Hexanone
 Concen: 7267.77 ug/l
 RT: 10.95 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion: 43 Resp: 9840065
 Ion Ratio Lower Upper
 43 100
 58 4.1 26.9 80.6#





#60

Dibromochloromethane

Concen: 9.30 ug/l

RT: 11.05 min Scan# 1501

Delta R.T. -0.08 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

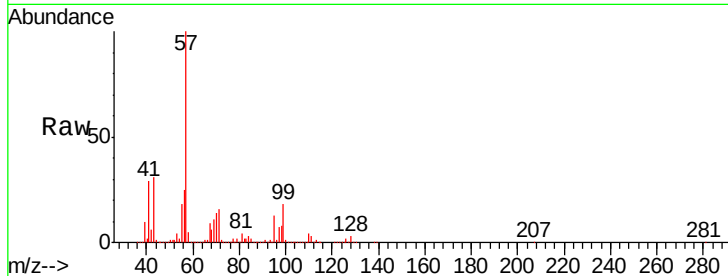
SB-4

Tgt Ion:129 Resp: 30211

Ion Ratio Lower Upper

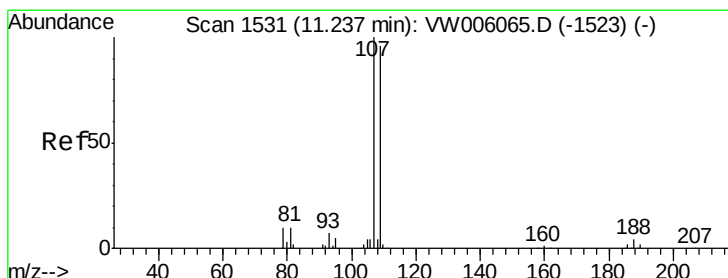
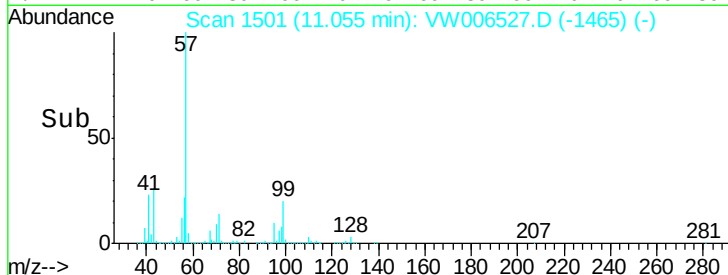
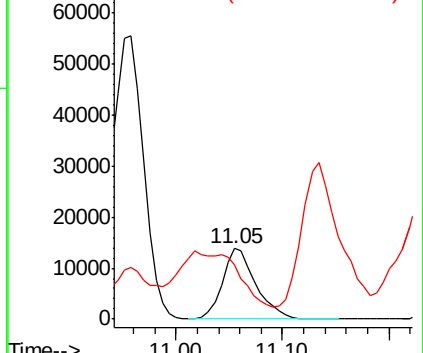
129 100

127 0.0 38.6 115.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 11.41 ug/l

RT: 11.22 min Scan# 1528

Delta R.T. -0.02 min

Lab File: VW006527.D

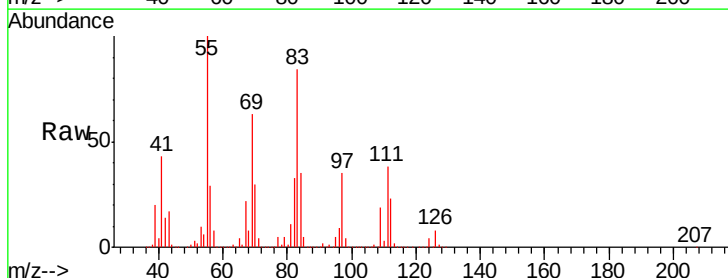
Acq: 31 Oct 2018 15:44

Tgt Ion:107 Resp: 29746

Ion Ratio Lower Upper

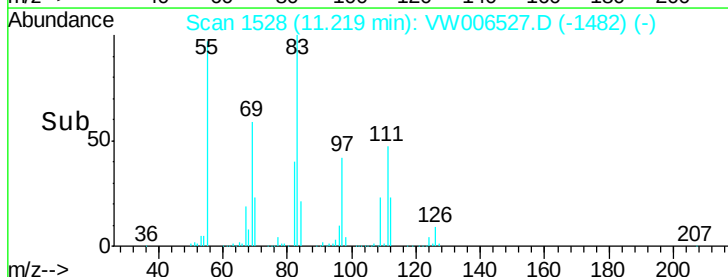
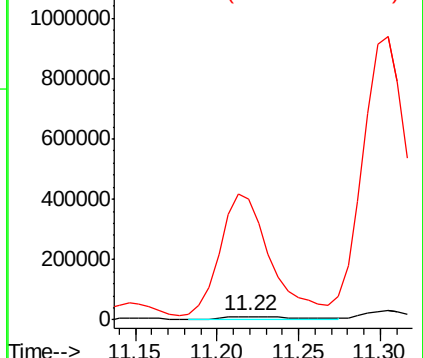
107 100

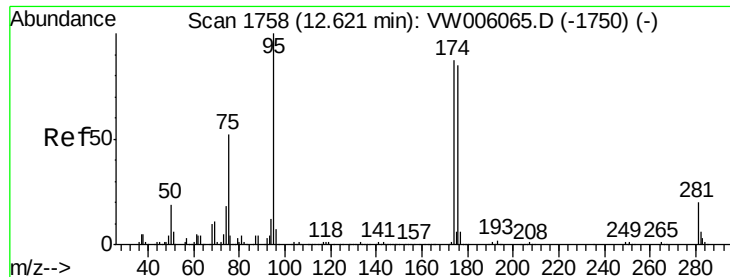
109 2905.9 76.3 114.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 288.80 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

SB-4

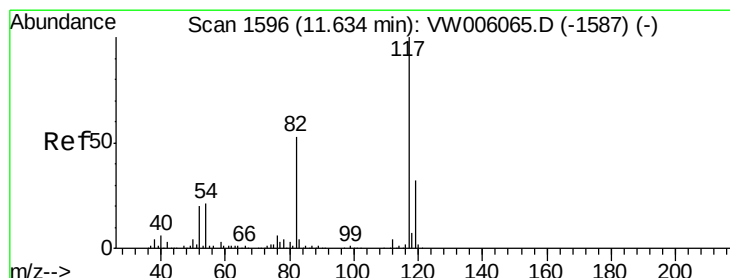
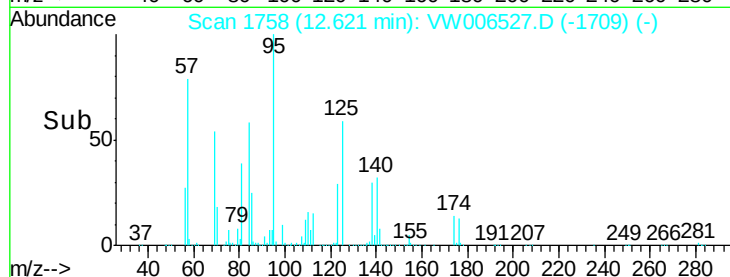
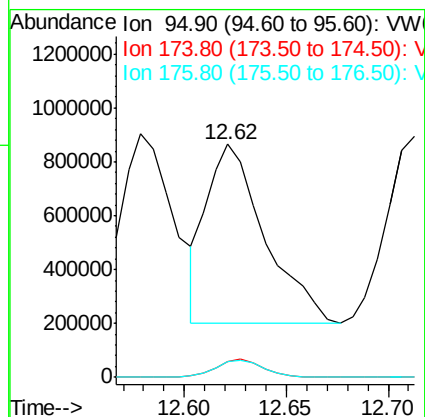
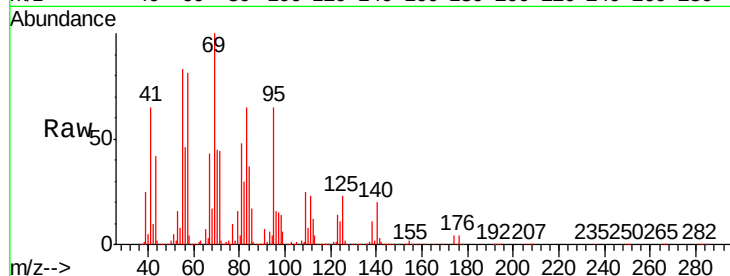
Tgt Ion: 95 Resp: 1318339

Ion Ratio Lower Upper

95 100

174 8.1 0.0 186.0

176 8.0 0.0 181.6



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

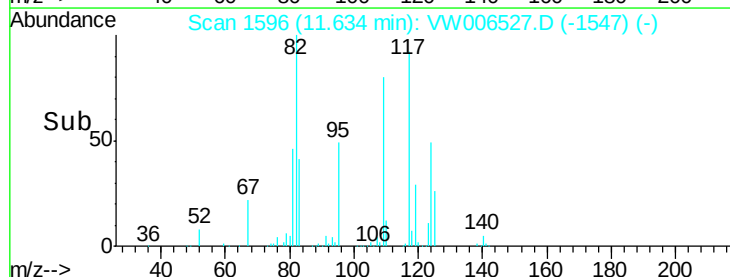
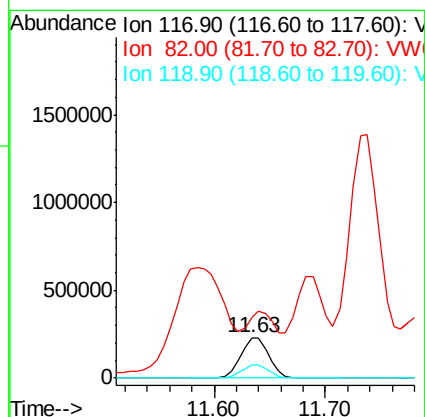
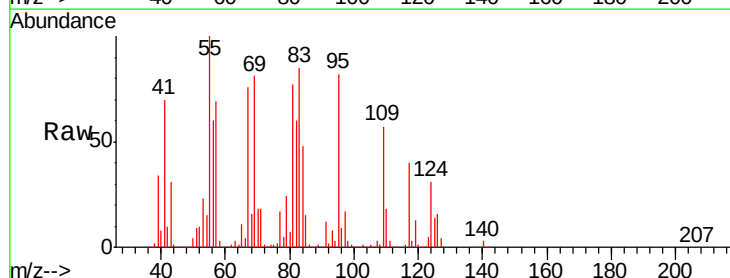
Tgt Ion: 117 Resp: 400915

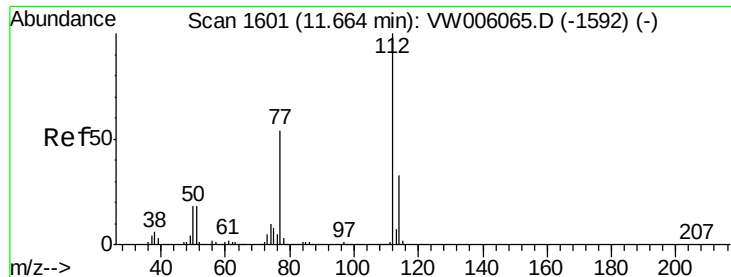
Ion Ratio Lower Upper

117 100

82 0.0 42.1 63.1#

119 31.8 25.8 38.6

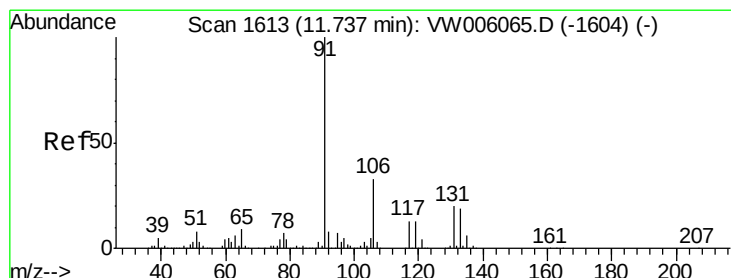
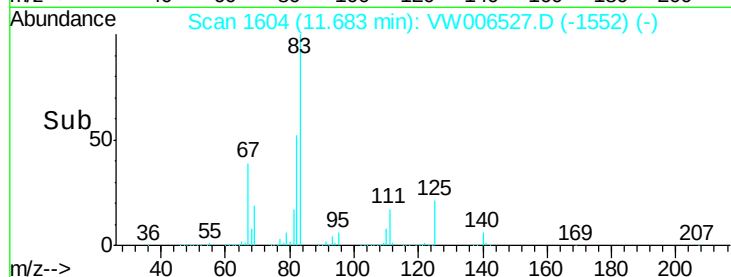
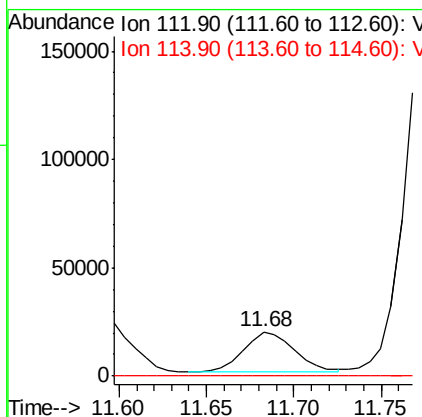
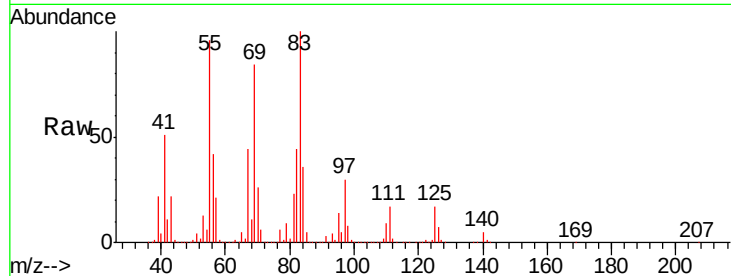




#65
Chlorobenzene
Concen: 4.44 ug/l
RT: 11.68 min Scan# 1604
Delta R.T. 0.02 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

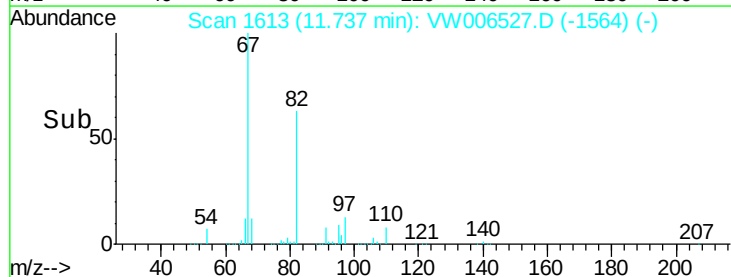
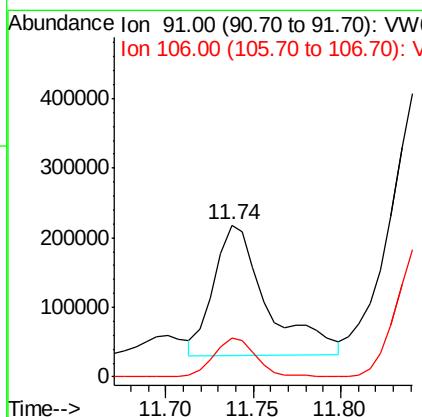
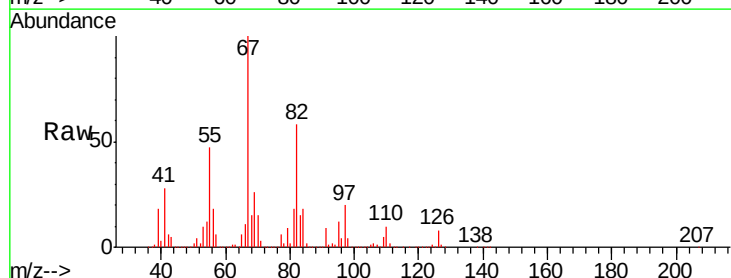
Instrument :
MSVOA_W
ClientSampled :
SB-4

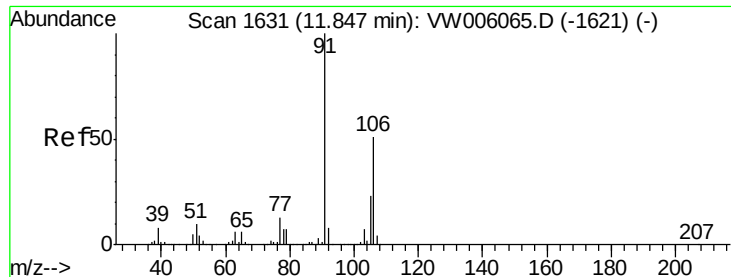
Tgt Ion: 112 Resp: 38090
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.2#



#67
Ethyl Benzene
Concen: 26.66 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 91 Resp: 396579
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1

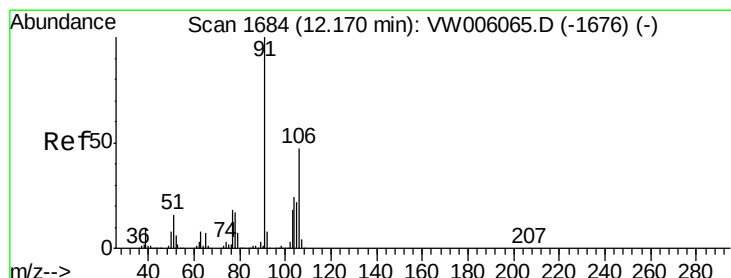
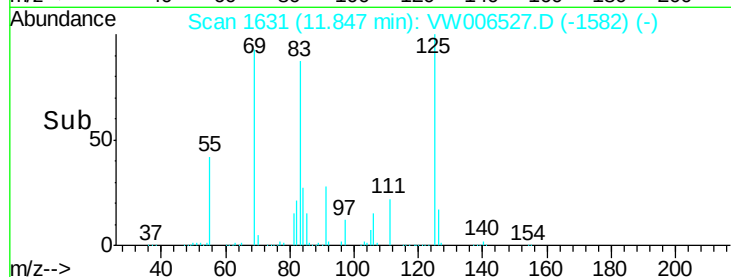
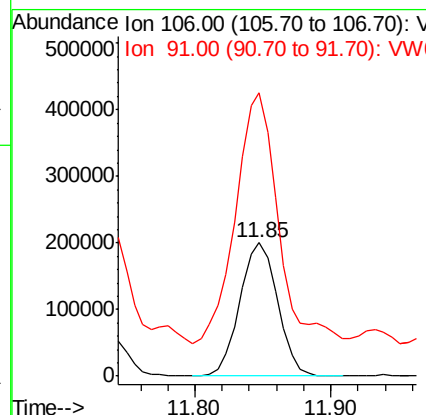
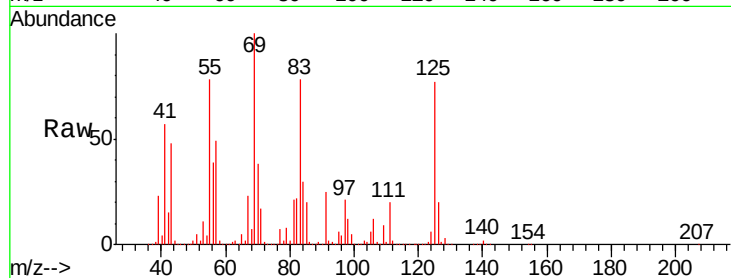




#68
m/p-Xylenes
Concen: 65.59 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

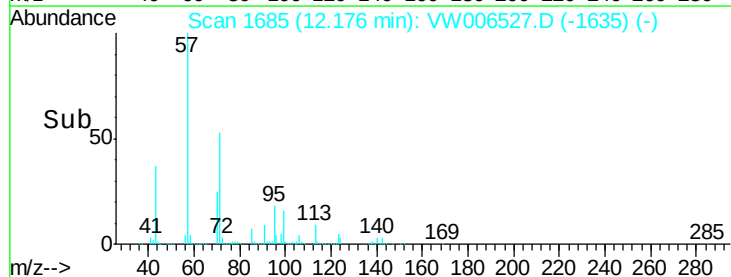
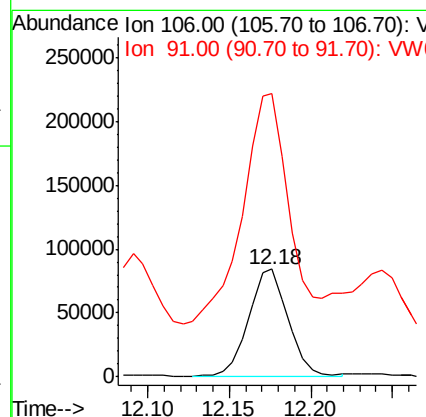
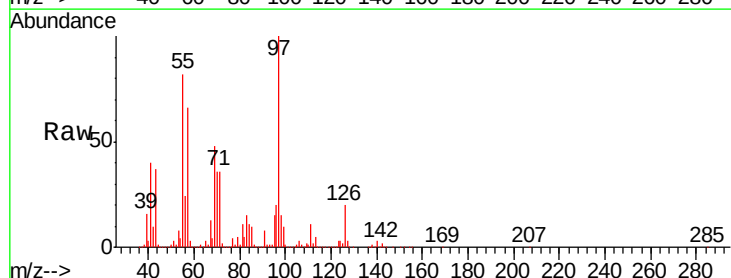
Instrument :
MSVOA_W
ClientSampled :
SB-4

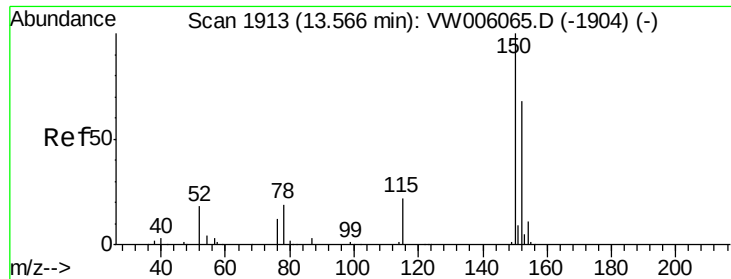
Tgt Ion:106 Resp: 385598
Ion Ratio Lower Upper
106 100
91 241.9 159.1 238.7#



#69
o-Xylene
Concen: 24.74 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion:106 Resp: 138627
Ion Ratio Lower Upper
106 100
91 256.6 105.4 316.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

SB-4

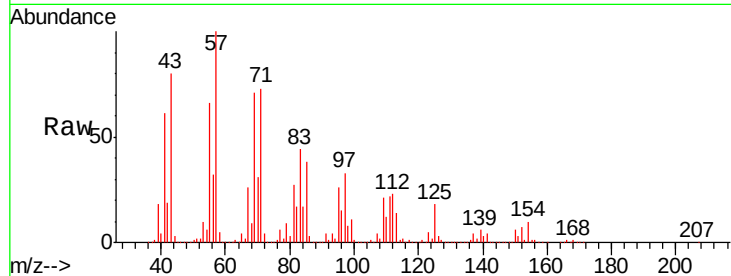
Tgt Ion:152 Resp: 390352

Ion Ratio Lower Upper

152 100

115 27.9 27.8 83.3

150 50.0 0.0 349.2

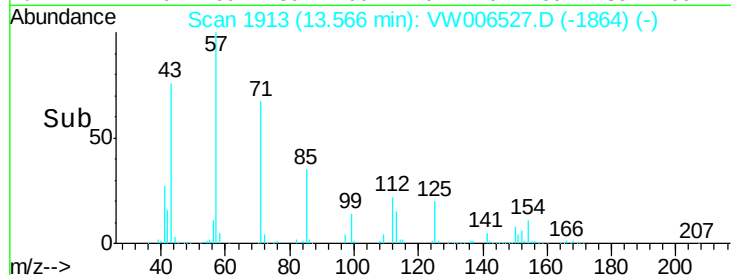


Abundance Ion 151.90 (151.60 to 152.60): V

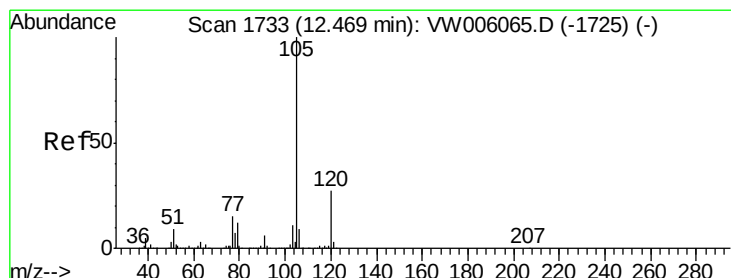
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->



#73

Isopropylbenzene

Concen: 154.29 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW006527.D

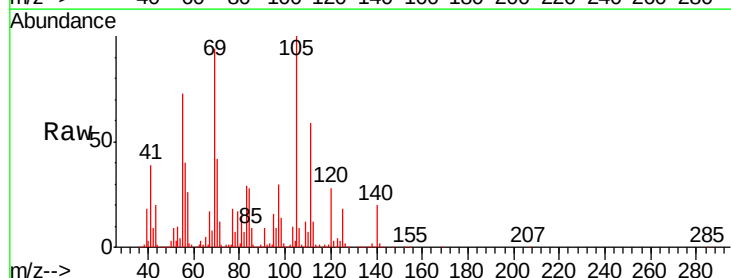
Acq: 31 Oct 2018 15:44

Tgt Ion:105 Resp: 4254800

Ion Ratio Lower Upper

105 100

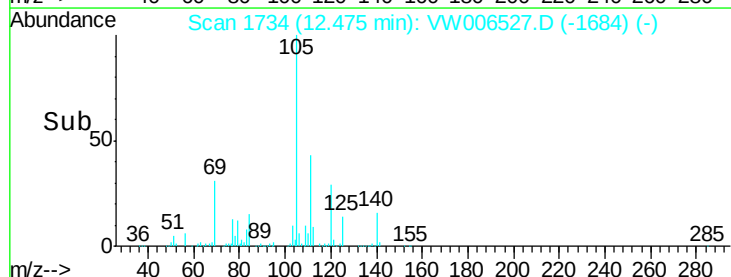
120 28.0 13.6 40.7



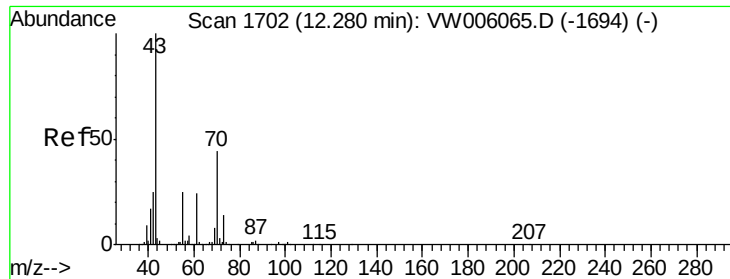
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#74

N-amyI acetate

Concen: 1222.98 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

SB-4

Tgt Ion: 43 Resp: 6550605

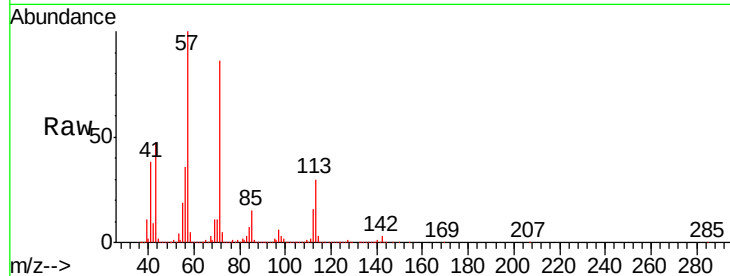
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#

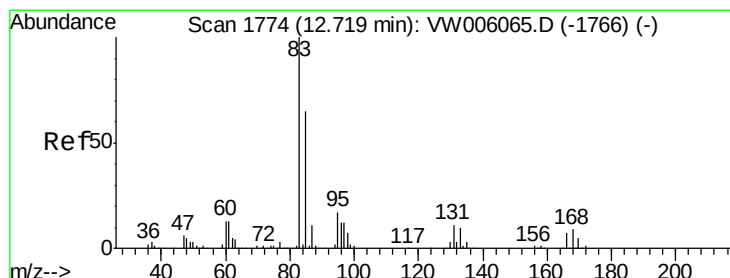
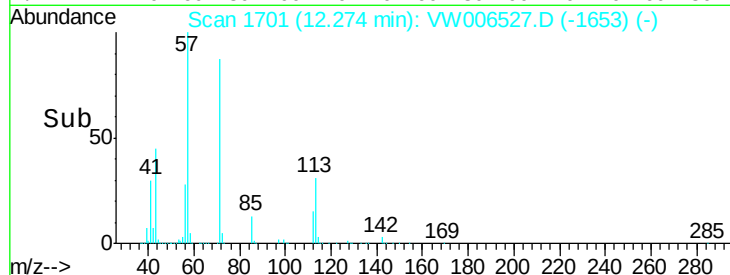
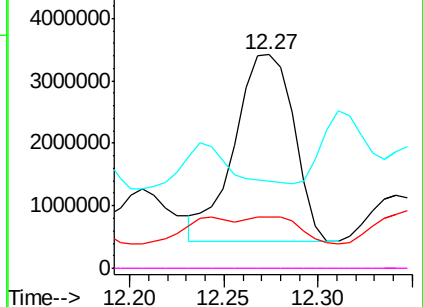


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 165.39 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

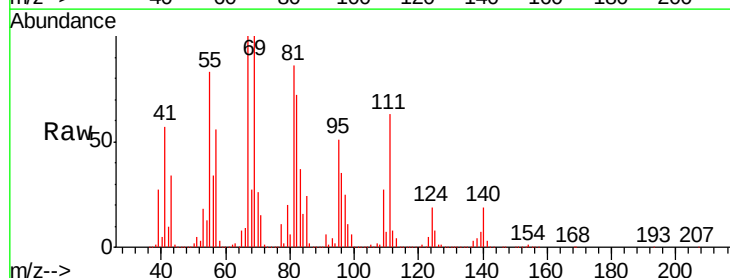
Tgt Ion: 83 Resp: 693725

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

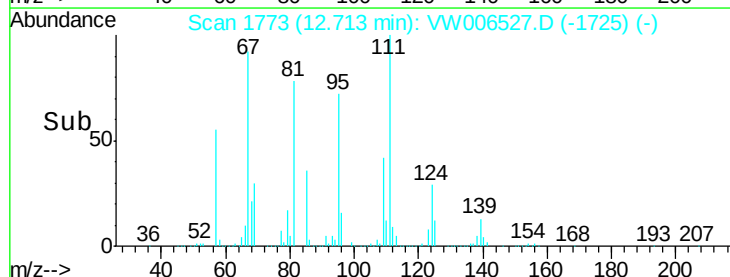
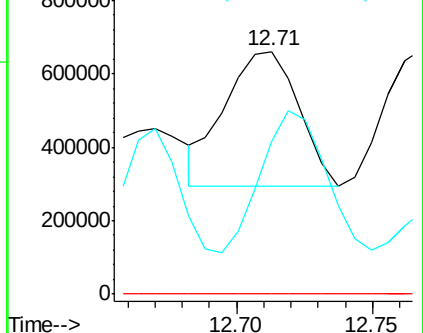
85 90.0 31.9 95.9

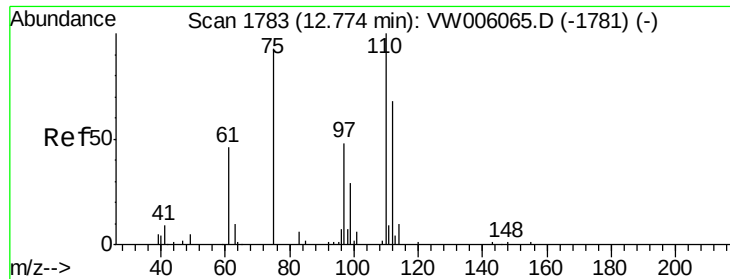


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

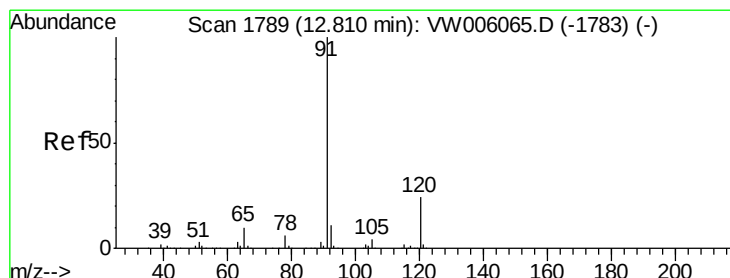
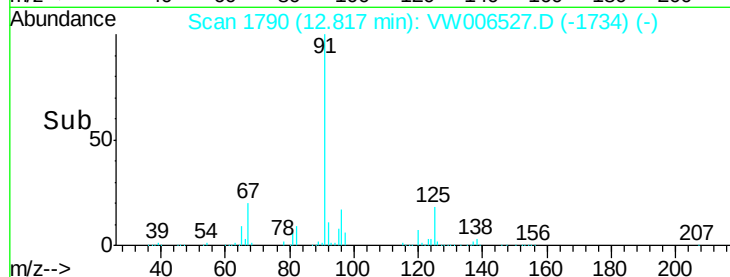
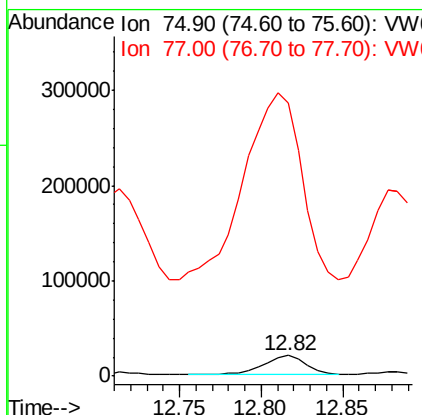
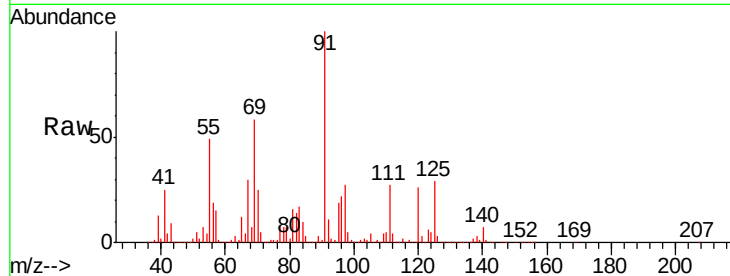




#76
 1,2,3-Trichloropropane
 Concen: 11.63 ug/l
 RT: 12.82 min Scan# 1790
 Delta R.T. 0.04 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

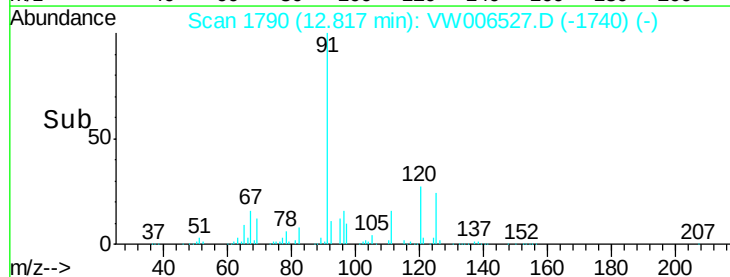
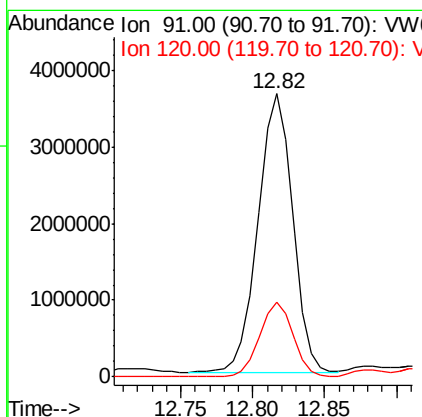
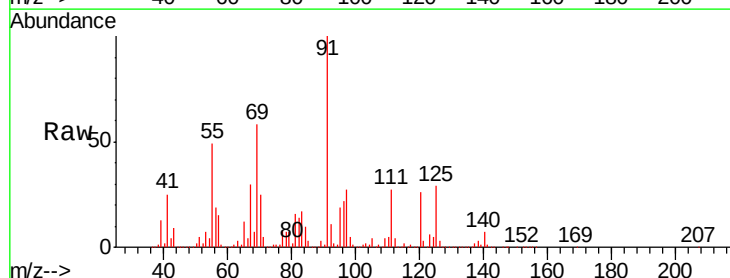
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

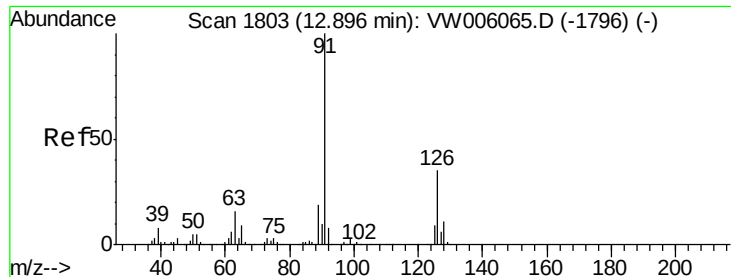
Tgt Ion: 75 Resp: 34665
 Ion Ratio Lower Upper
 75 100
 77 1376.7 0.0 0.0#



#78
 n-propylbenzene
 Concen: 187.26 ug/l
 RT: 12.82 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion: 91 Resp: 6008083
 Ion Ratio Lower Upper
 91 100
 120 25.8 12.2 36.6

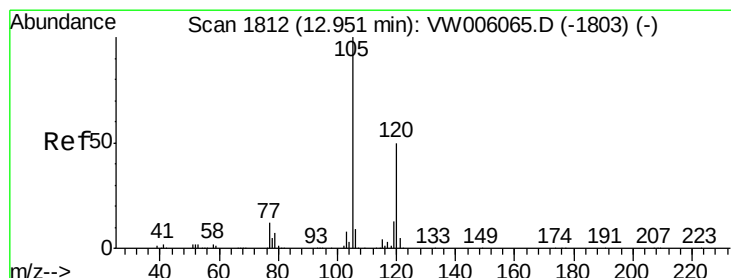
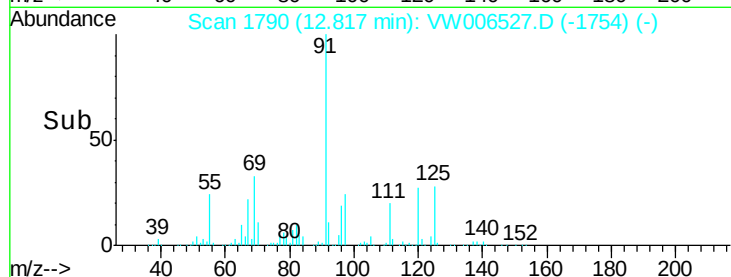
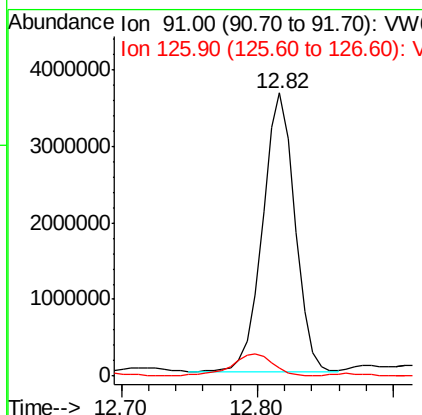
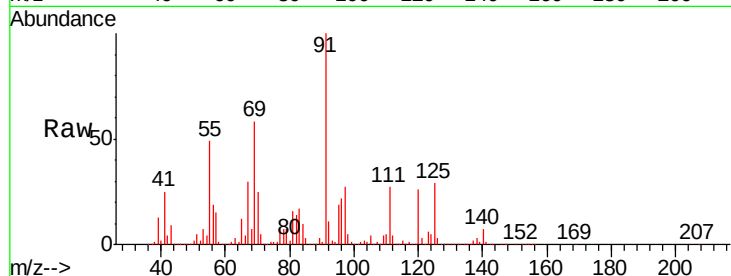




#79
 2-Chlorotoluene
 Concen: 334.02 ug/l
 RT: 12.82 min Scan# 1790
 Delta R.T. -0.08 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

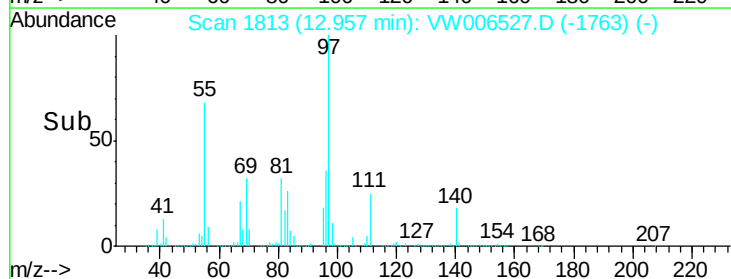
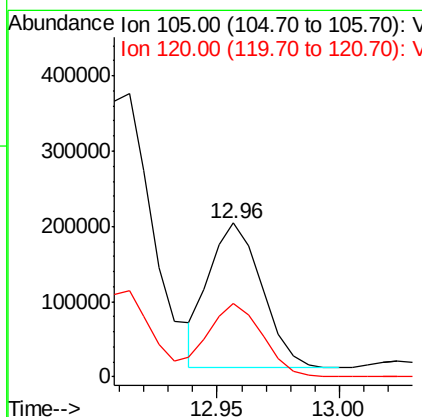
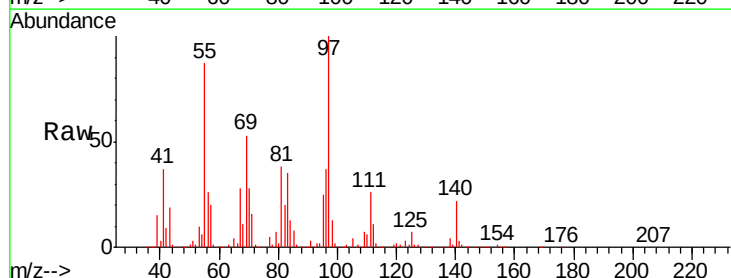
Instrument :
 MSVOA_W
 ClientSampled :
 SB-4

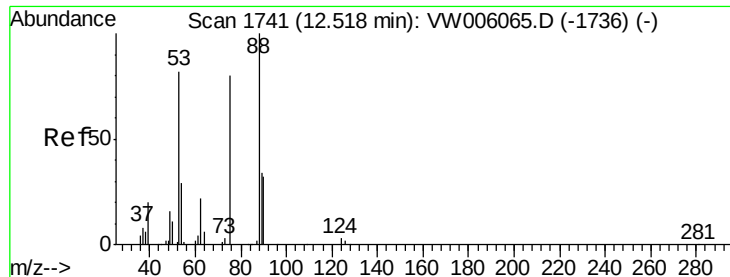
Tgt Ion: 91 Resp: 6021203
 Ion Ratio Lower Upper
 91 100
 126 9.9 17.9 53.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 12.39 ug/l
 RT: 12.96 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion: 105 Resp: 287958
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.56 ug/l

RT: 12.53 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

SB-4

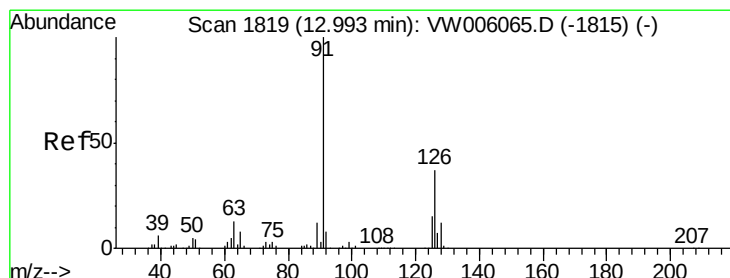
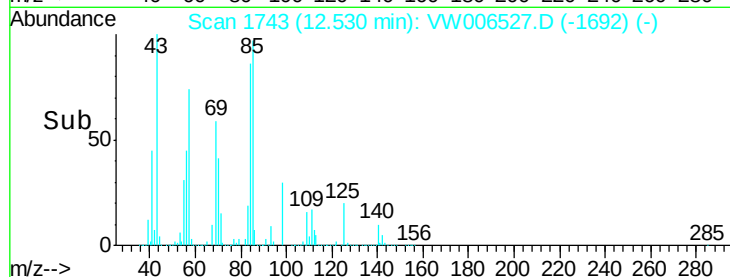
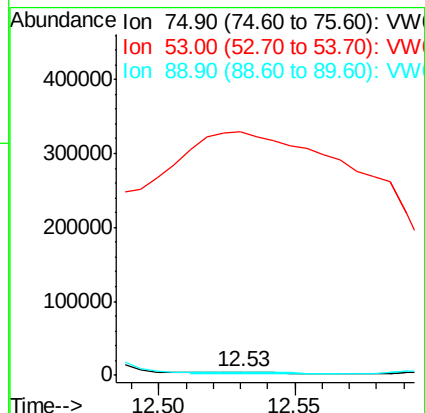
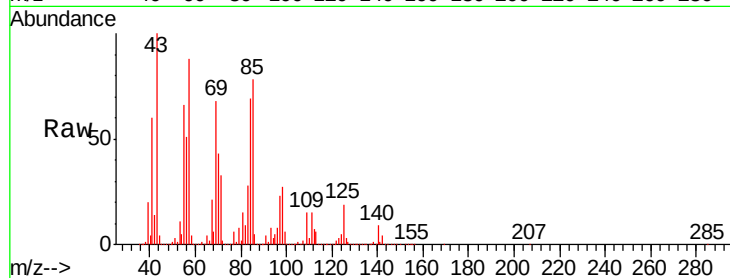
Tgt Ion: 75 Resp: 4446

Ion Ratio Lower Upper

75 100

53 19830.4 79.8 119.6#

89 0.0 37.5 56.3#



#82

4-Chlorotoluene

Concen: 10.21 ug/l

RT: 13.08 min Scan# 1834

Delta R.T. 0.09 min

Lab File: VW006527.D

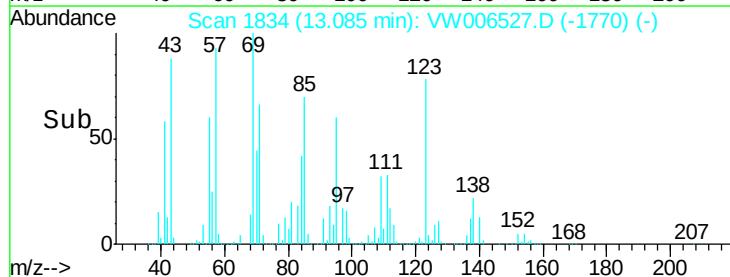
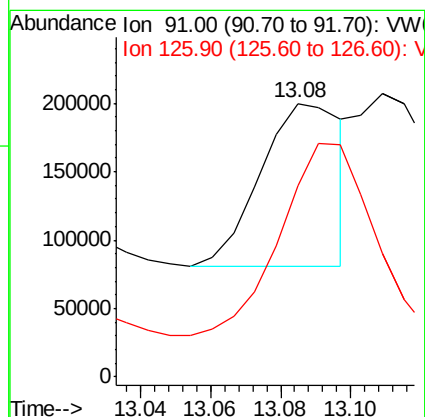
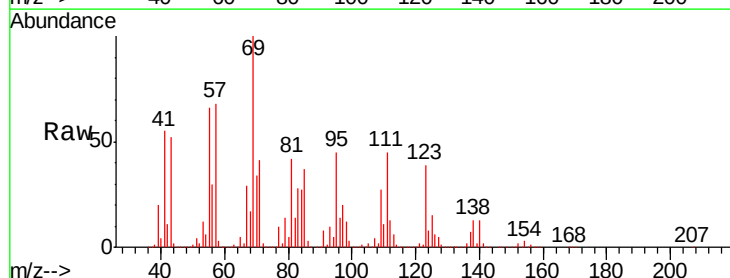
Acq: 31 Oct 2018 15:44

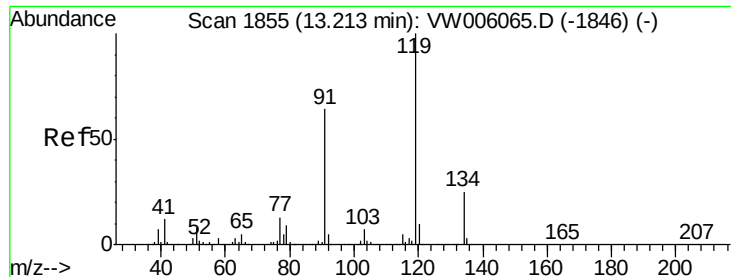
Tgt Ion: 91 Resp: 192742

Ion Ratio Lower Upper

91 100

126 132.8 18.1 54.3#

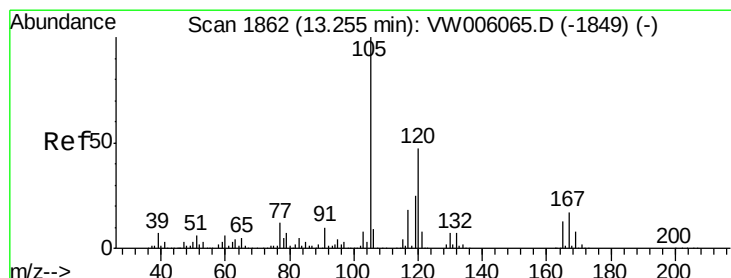
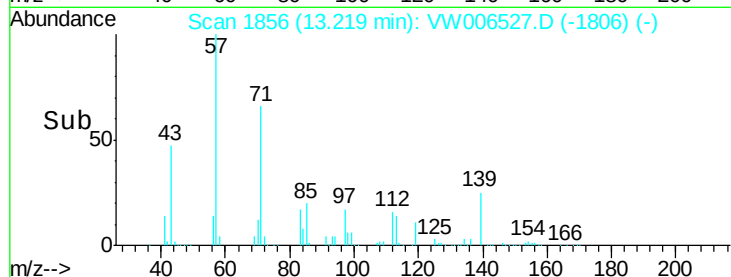
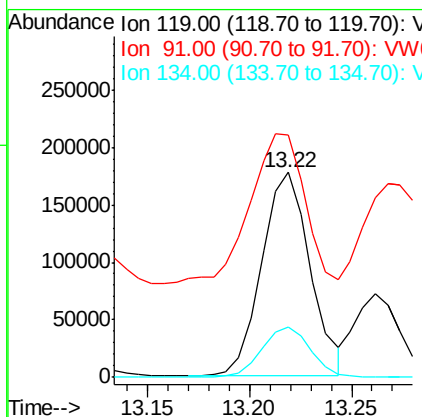
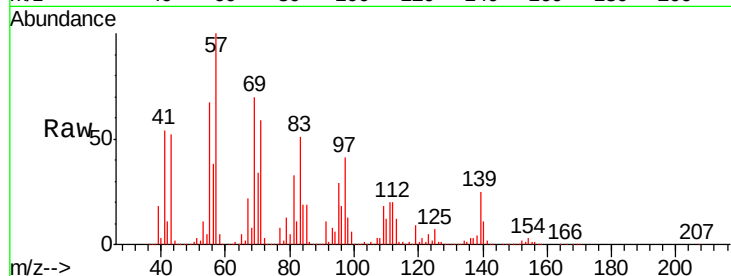




#83
 tert-Butylbenzene
 Concen: 14.01 ug/l
 RT: 13.22 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

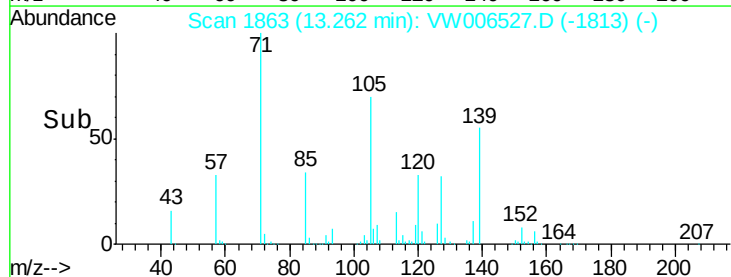
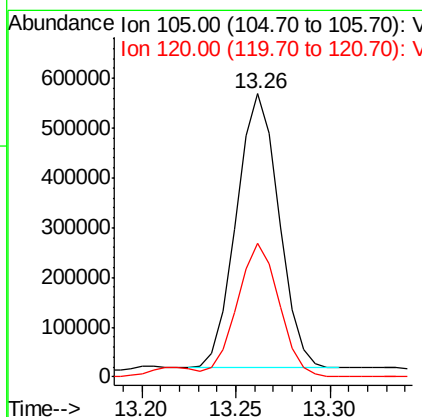
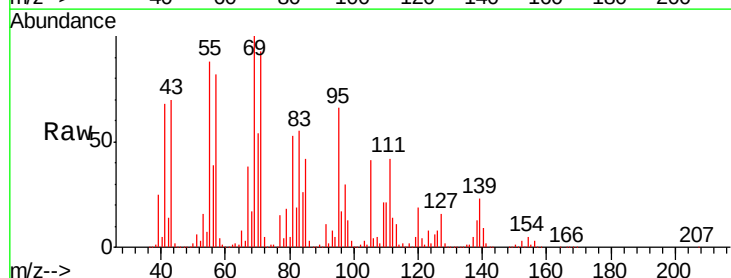
Instrument :
 MSVOA_W
 ClientSampled :
 SB-4

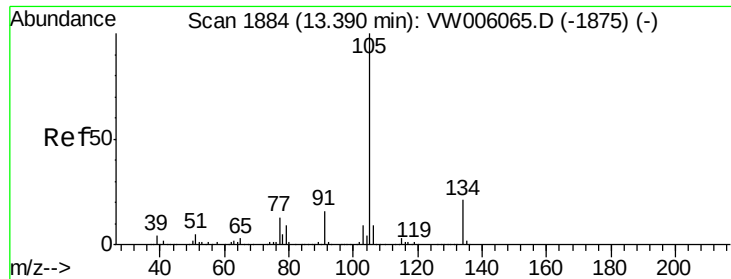
Tgt Ion:119 Resp: 291354
 Ion Ratio Lower Upper
 119 100
 91 81.7 32.3 96.9
 134 24.7 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 36.80 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion:105 Resp: 865606
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.1 69.3

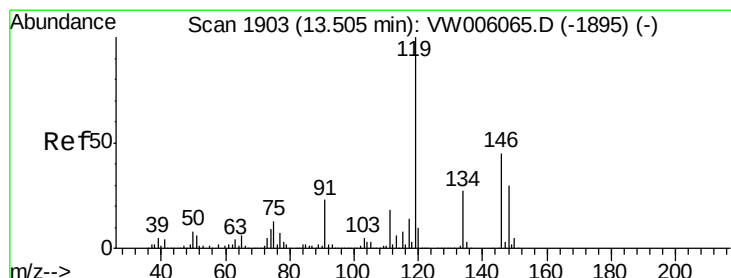
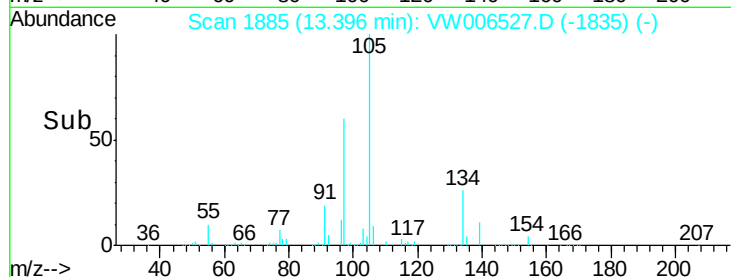
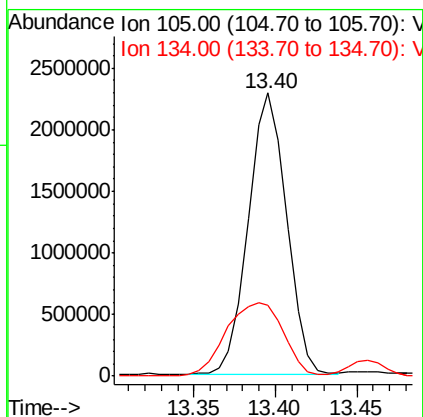
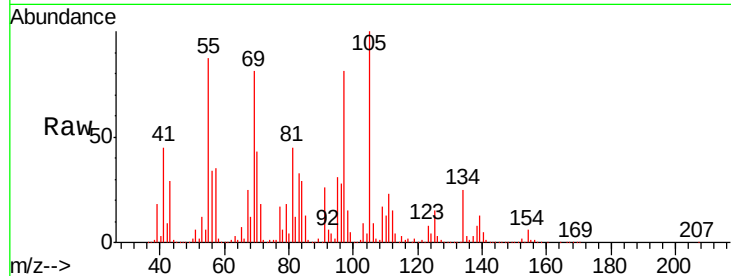




#85
 sec-Butylbenzene
 Concen: 126.41 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.01 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

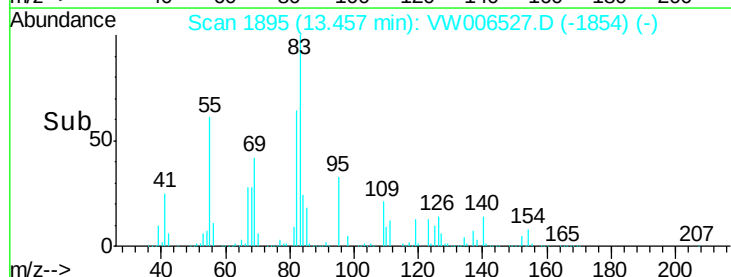
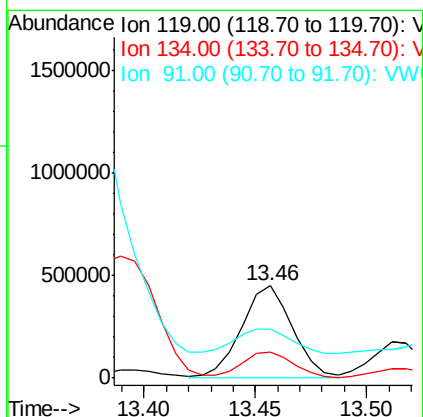
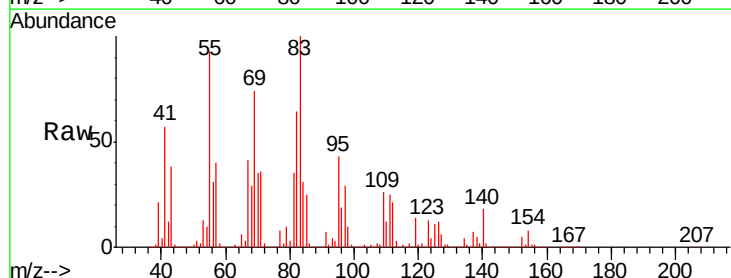
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

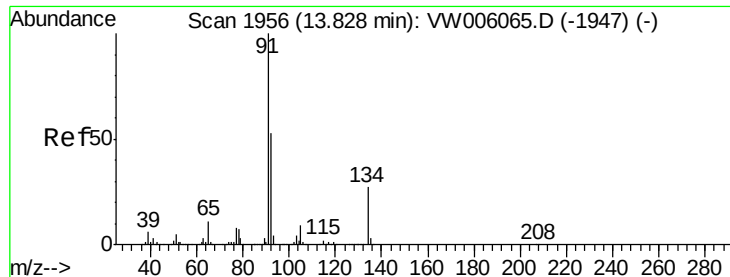
Tgt Ion:105 Resp: 3714705
 Ion Ratio Lower Upper
 105 100
 134 39.2 10.5 31.6#



#86
 p-Isopropyltoluene
 Concen: 26.70 ug/l
 RT: 13.46 min Scan# 1895
 Delta R.T. -0.05 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion:119 Resp: 709744
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.4 40.2
 91 29.8 11.4 34.1





#89

n-Butylbenzene

Concen: 163.56 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

SB-4

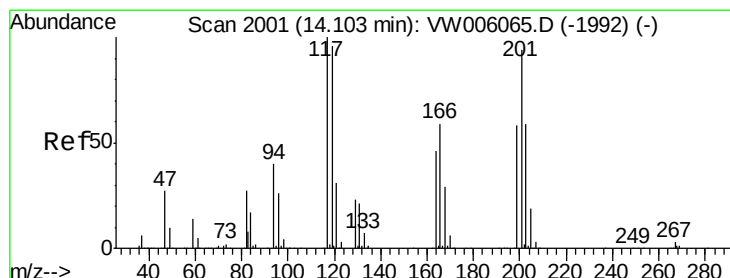
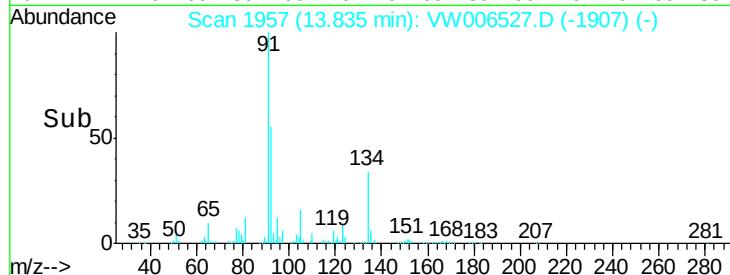
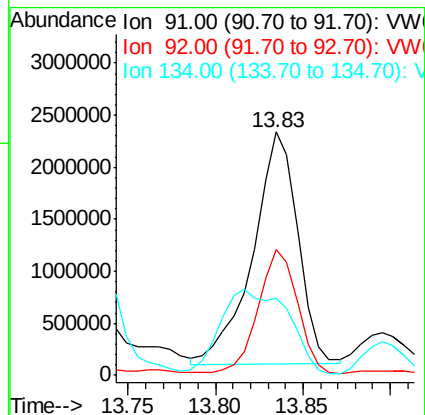
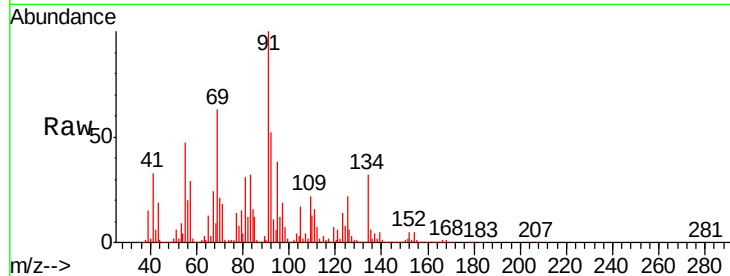
Tgt Ion: 91 Resp: 3975722

Ion Ratio Lower Upper

91 100

92 46.2 26.6 79.7

134 55.7 14.0 41.9#



#90

Hexachloroethane

Concen: 127.79 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW006527.D

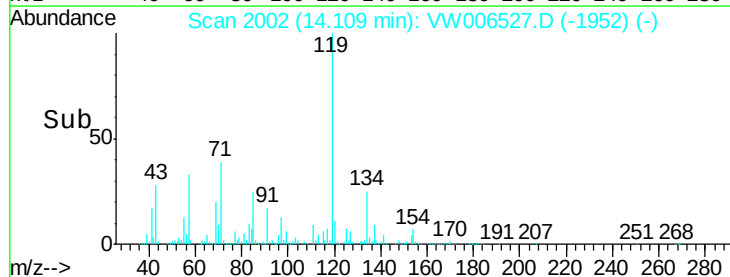
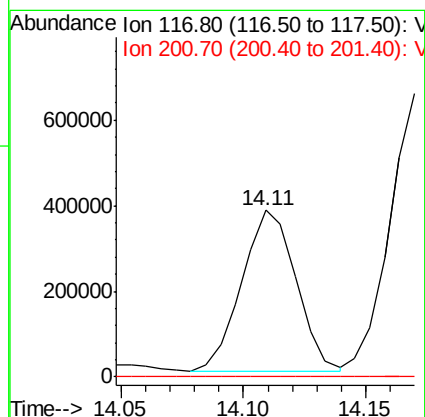
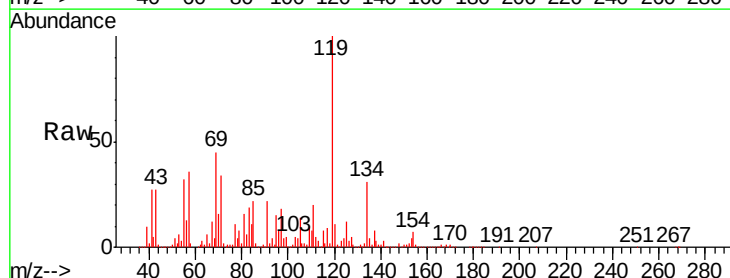
Acq: 31 Oct 2018 15:44

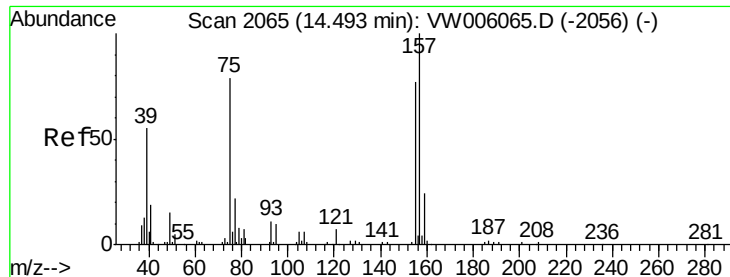
Tgt Ion: 117 Resp: 575316

Ion Ratio Lower Upper

117 100

201 0.0 45.3 135.9#

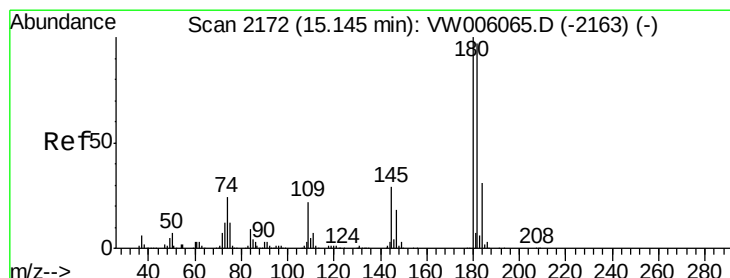
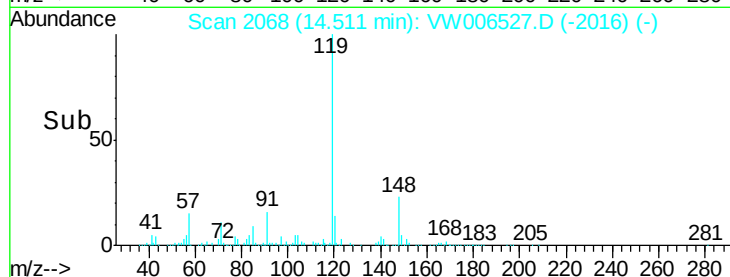
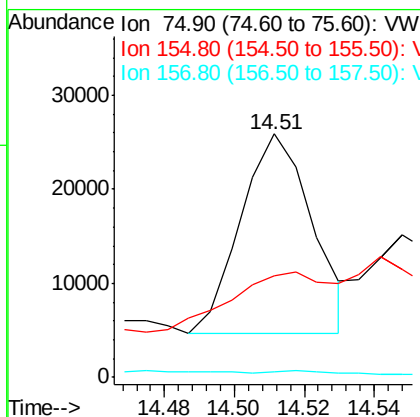
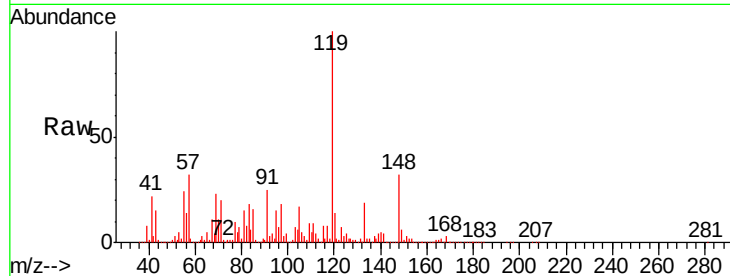




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.05 ug/l
 RT: 14.51 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

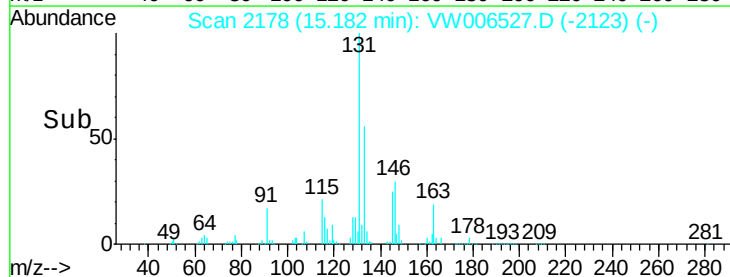
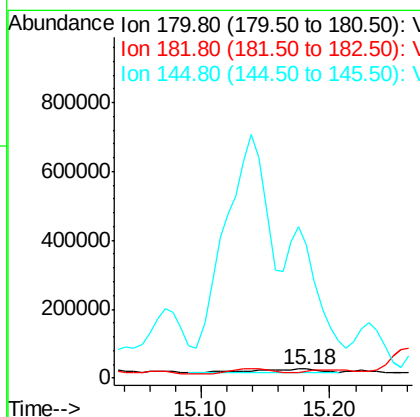
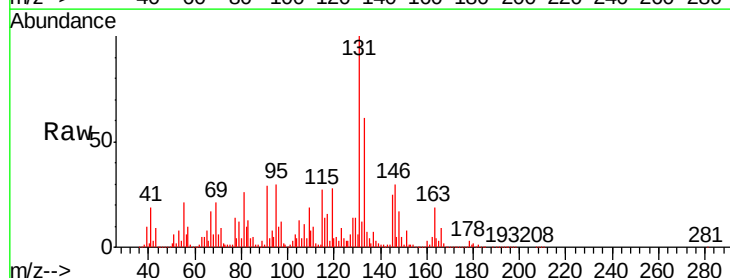
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

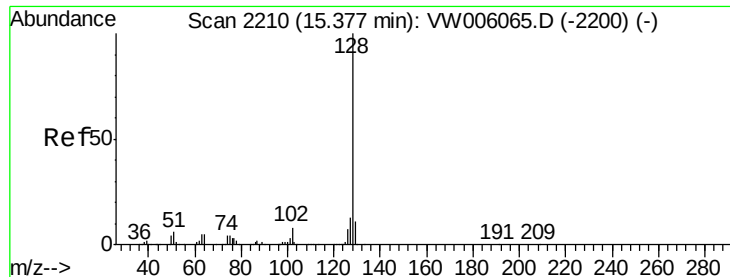
Tgt Ion: 75 Resp: 30073
 Ion Ratio Lower Upper
 75 100
 155 43.1 46.5 139.5#
 157 1.6 59.8 179.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.67 ug/l
 RT: 15.18 min Scan# 2178
 Delta R.T. 0.04 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion: 180 Resp: 43049
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 1680.8 14.2 42.8#

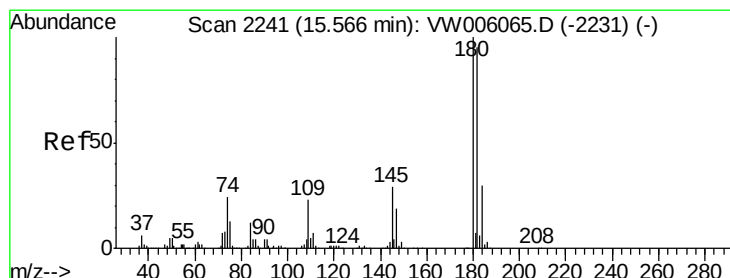
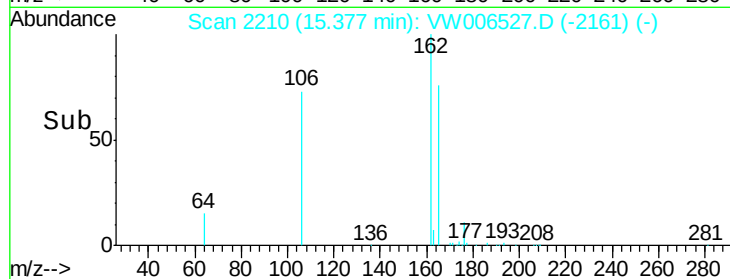
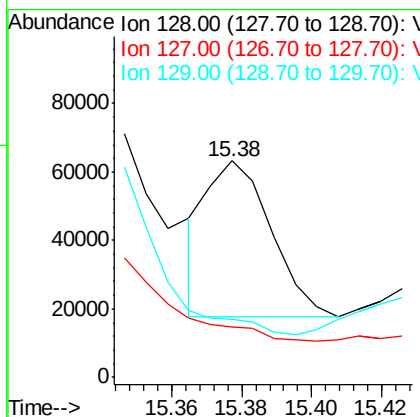
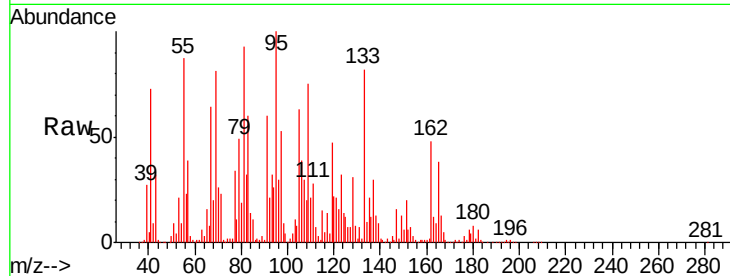




#95
Naphthalene
Concen: 3.80 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Instrument :
MSVOA_W
ClientSampled :
SB-4

Tgt Ion:128 Resp: 58348
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.72 ug/l
RT: 15.59 min Scan# 2245
Delta R.T. 0.02 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion:180 Resp: 21675
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.0 45.1#

