

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004828.D
 Acq On : 21 Aug 2018 08:51
 Operator : SY/AP
 Sample : J4511-10
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 21 11:32:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	297322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	60153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142580	76.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.74%	
35) Dibromofluoromethane	7.88	113	134518	70.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.58%	
50) Toluene-d8	10.33	98	238203	32.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.22%	
62) 4-Bromofluorobenzene	12.62	95	59576	22.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.64%	

Target Compounds

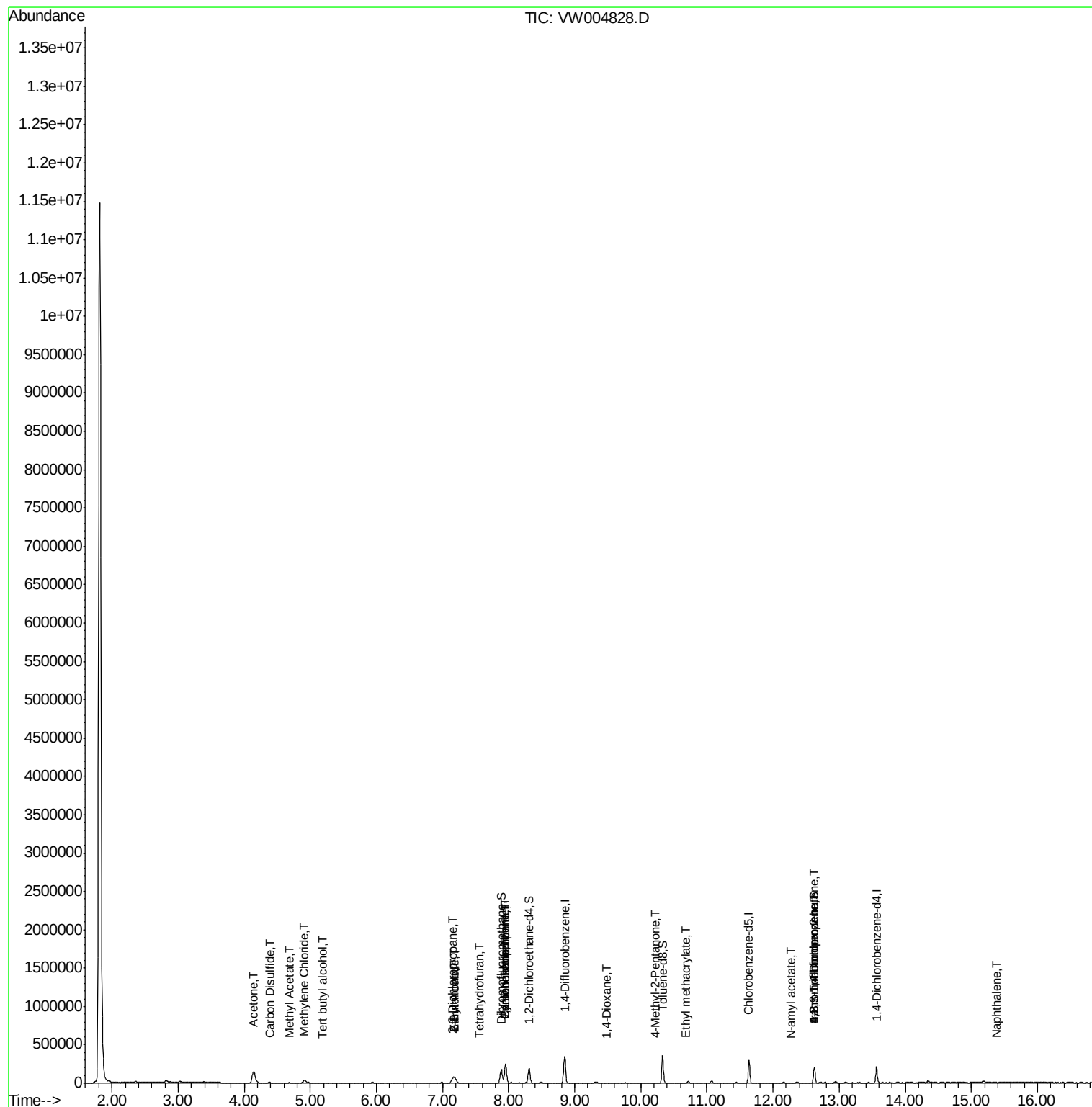
						Qvalue
11) Tert butyl alcohol	5.18	59	169	1.620	ug/l #	72
16) Acetone	4.14	43	300188	629.881	ug/l	96
17) Carbon Disulfide	4.39	76	16526	2.527	ug/l	97
18) Methyl Acetate	4.68	43	10351	10.135	ug/l	97
20) Methylene Chloride	4.91	84	27705	9.212	ug/l	96
25) 2-Butanone	7.18	43	95661	140.878	ug/l	94
26) 2,2-Dichloropropane	7.15	77	4095	1.880	ug/l #	50
29) Tetrahydrofuran	7.55	42	526	1.519	ug/l #	72
31) Cyclohexane	7.95	56	5694	1.561	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14482	4.728	ug/l #	50
37) Ethyl Acetate	7.18	43	95661	78.348	ug/l #	68
38) Carbon Tetrachloride	7.95	117	18120	6.427	ug/l #	16
49) 1,4-Dioxane	9.48	88	108	6.853	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	1590	1.073	ug/l #	82
56) Ethyl methacrylate	10.68	69	252	3.099	ug/l #	1
74) N-amyl acetate	12.27	43	147	4.160	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	28717	54.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28717	125.874	ug/l #	14
95) Naphthalene	15.38	128	698	3.769	ug/l #	83

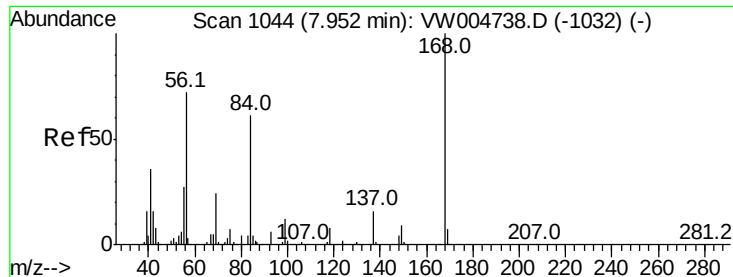
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

Instrument :

MSVOA_W

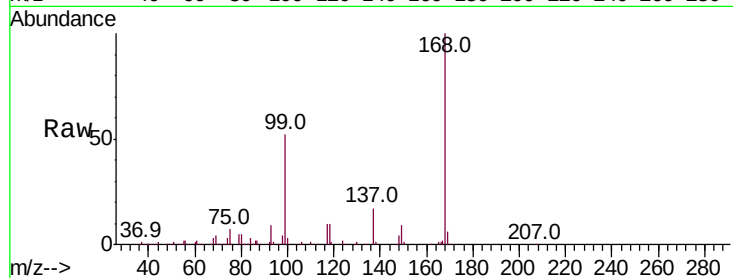
ClientSampleId :

Tot Ion:168 Resp: 193103

Ion Ratio Lower Upper

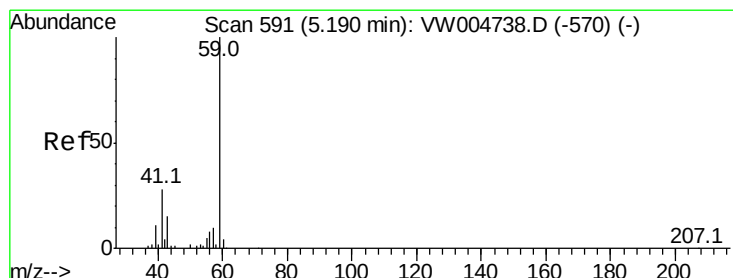
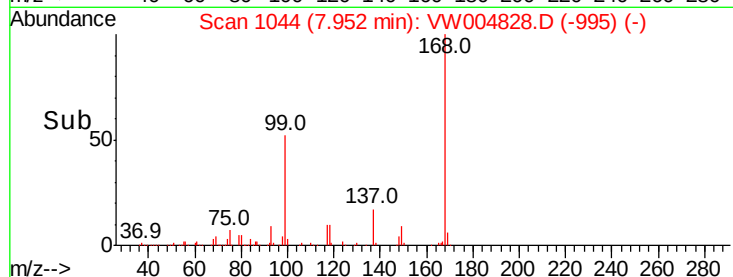
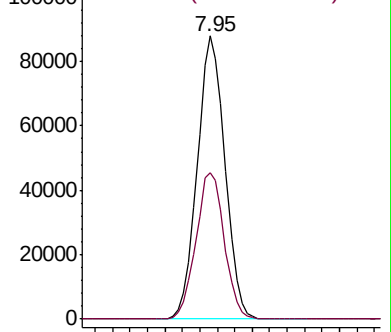
168 100

99 51.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.620 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.01 min

Lab File: VW004828.D

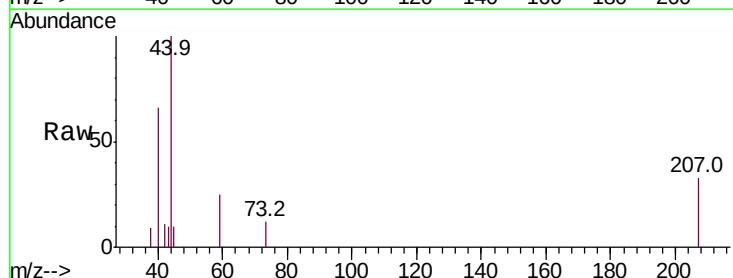
Acq: 21 Aug 2018 08:51

Tgt Ion: 59 Resp: 169

Ion Ratio Lower Upper

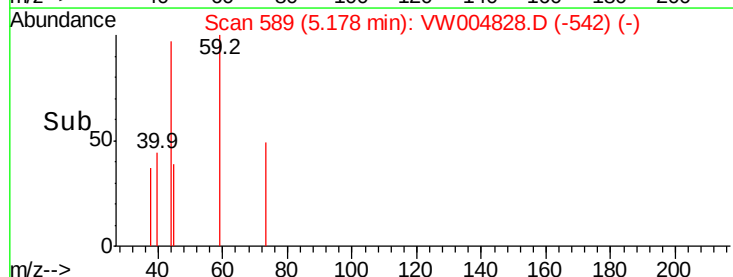
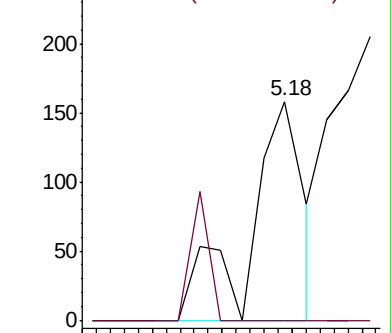
59 100

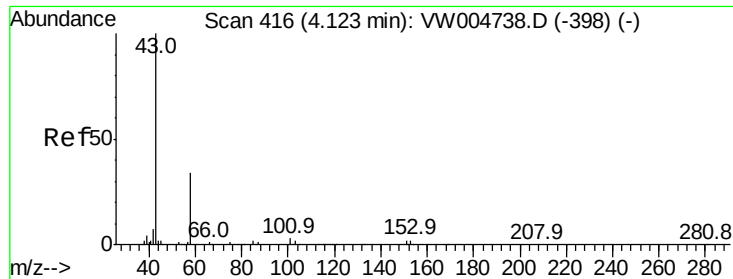
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 629.881 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

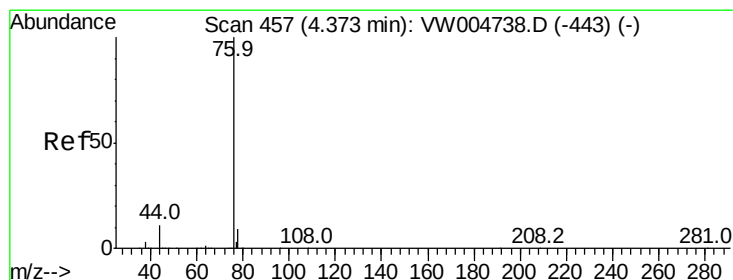
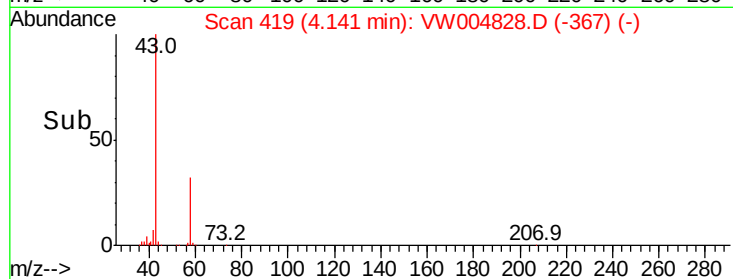
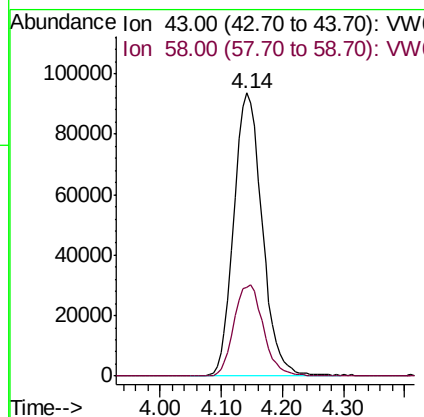
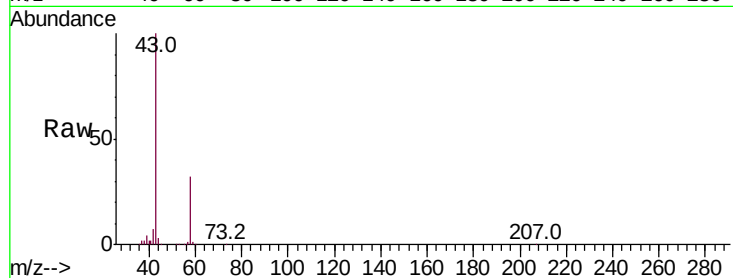
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 300188

Ion Ratio Lower Upper

43 100

58 31.6 27.3 40.9



#17

Carbon Disulfide

Concen: 2.527 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.01 min

Lab File: VW004828.D

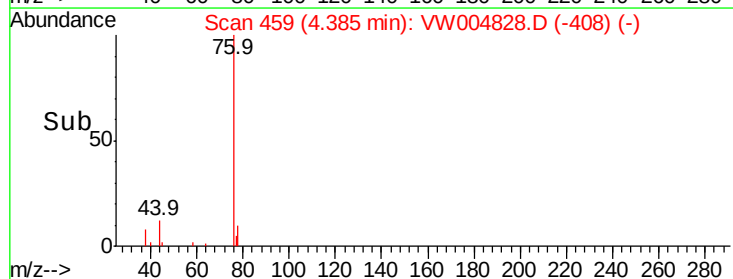
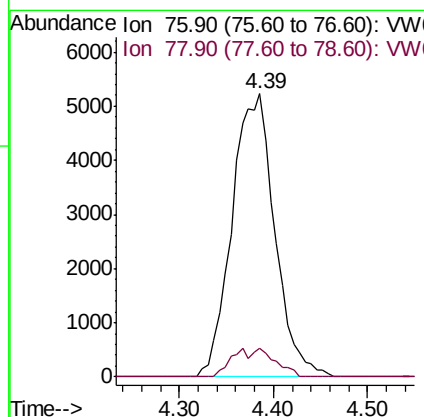
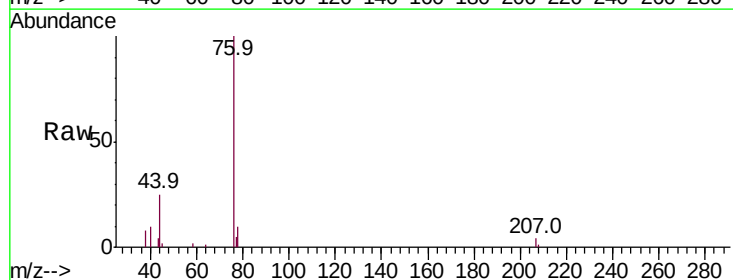
Acq: 21 Aug 2018 08:51

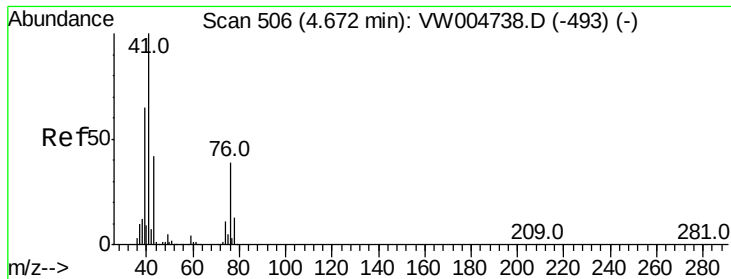
Tgt Ion: 76 Resp: 16526

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

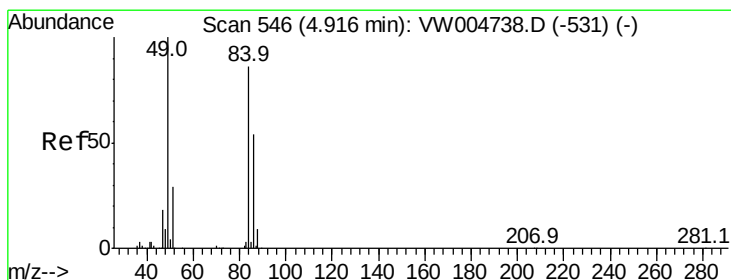
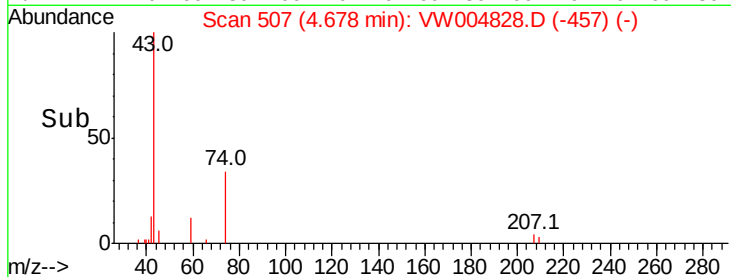
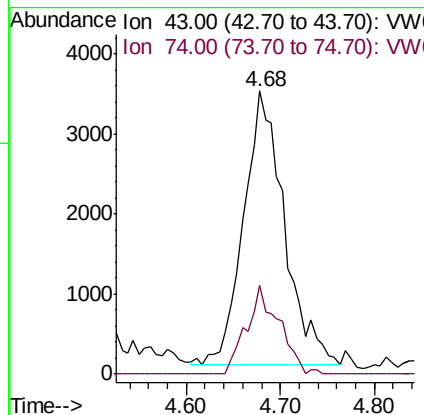
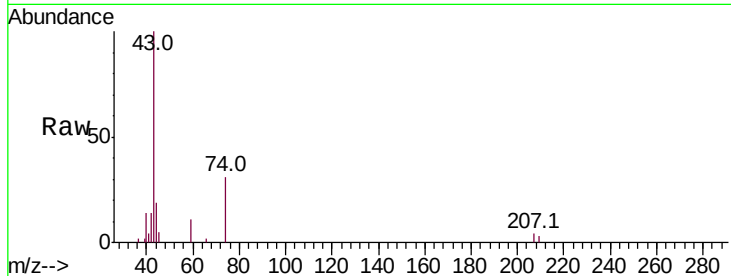




#18
Methvl Acetate
Concen: 10.135 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

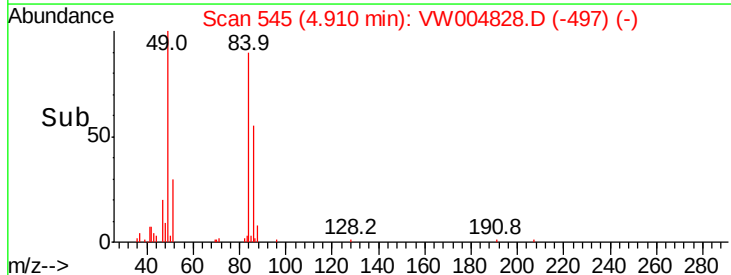
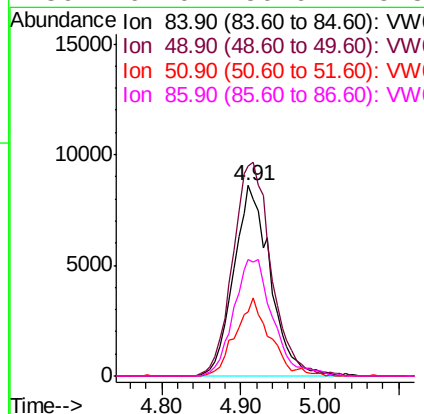
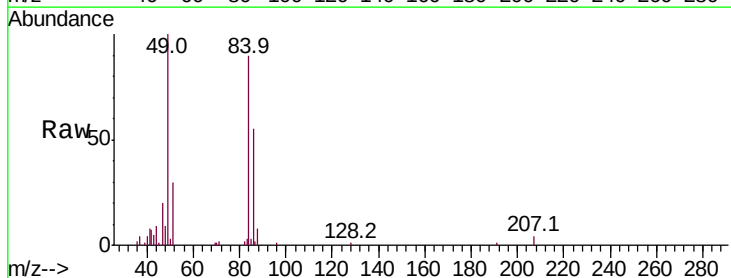
Instrument :
MSVOA_W
ClientSampleId :

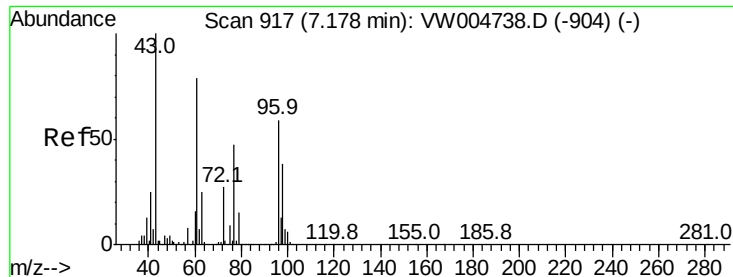
Tot Ion: 43 Resp: 10351
Ion Ratio Lower Upper
43 100
74 26.1 19.8 29.8



#20
Methylene Chloride
Concen: 9.212 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

Tgt Ion: 84 Resp: 27705
Ion Ratio Lower Upper
84 100
49 110.5 93.2 139.8
51 33.6 27.4 41.0
86 61.0 50.6 75.8





#25

2-Butanone

Concen: 140.878 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

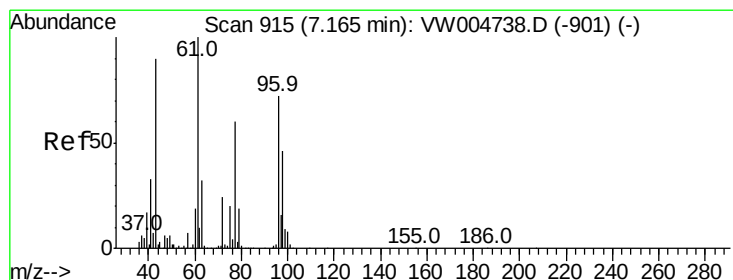
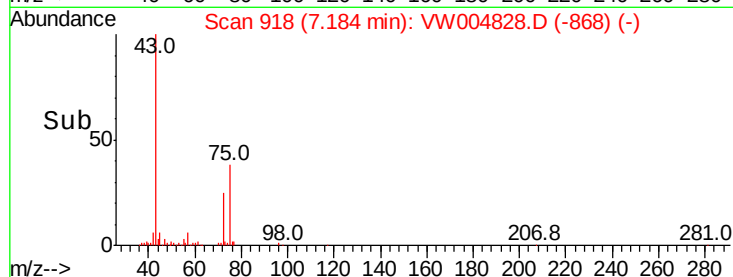
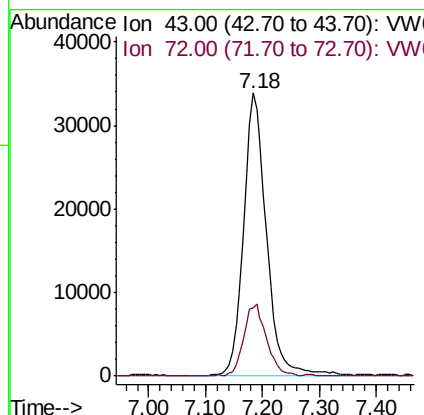
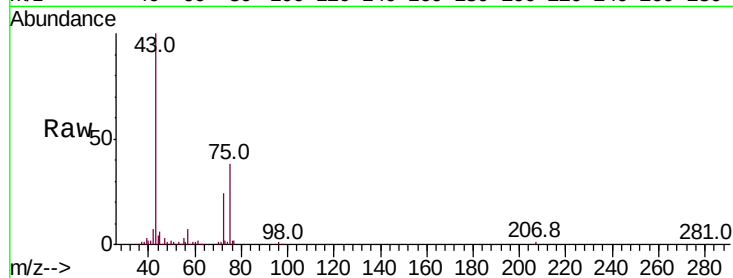
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 95661

Ion Ratio Lower Upper

43 100

72 24.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.880 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004828.D

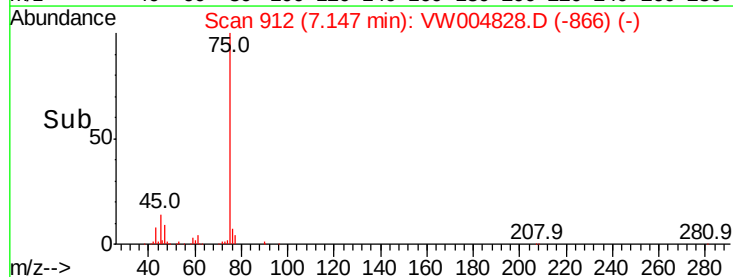
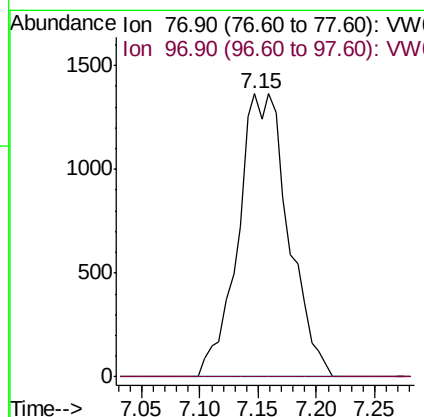
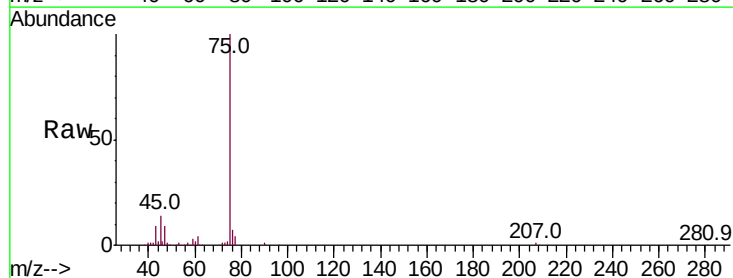
Acq: 21 Aug 2018 08:51

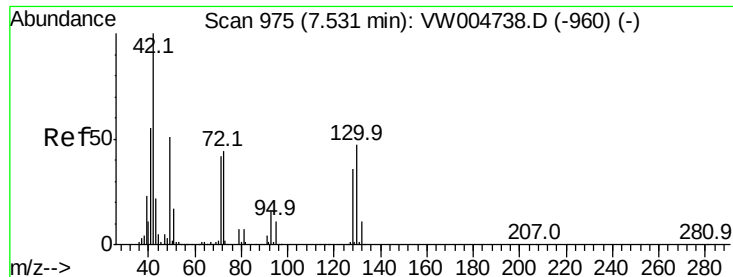
Tgt Ion: 77 Resp: 4095

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#

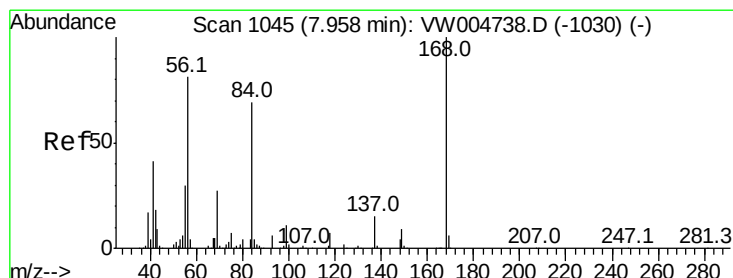
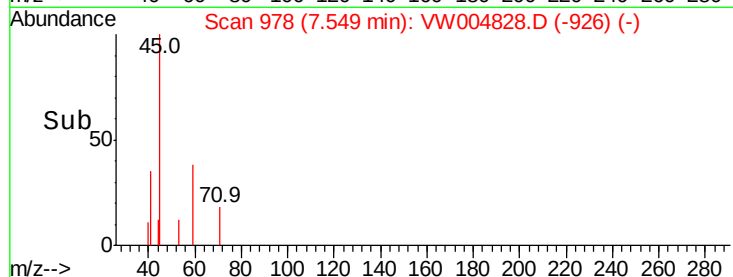
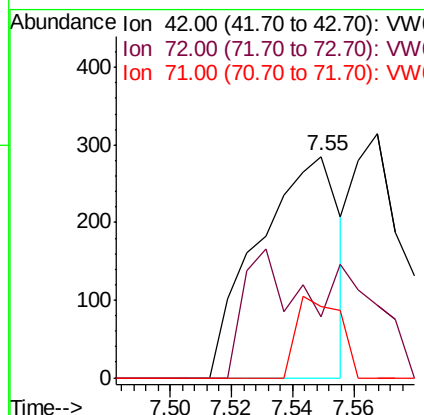
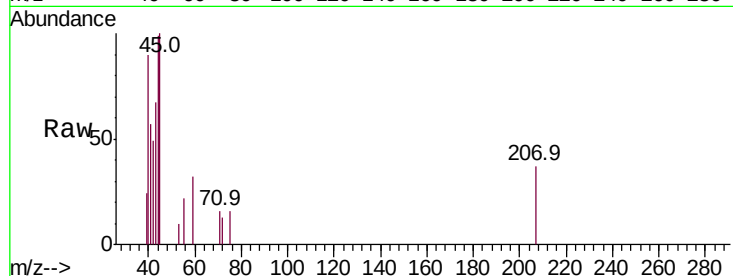




#29
Tetrahydrofuran
Concen: 1.519 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

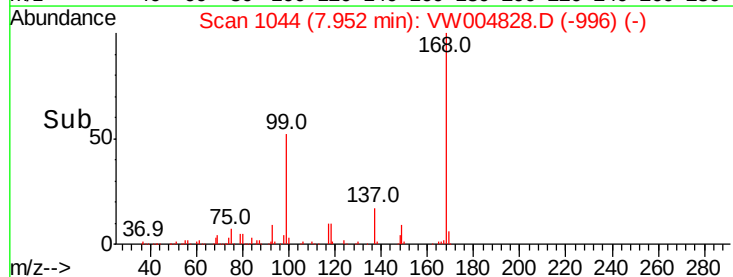
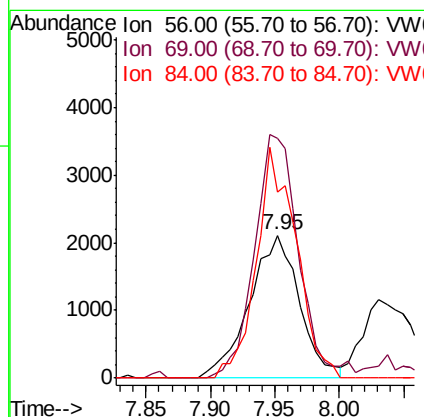
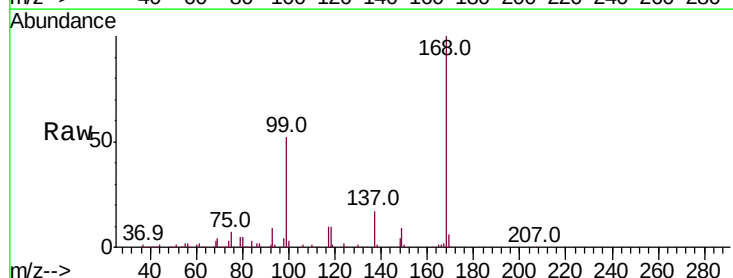
Instrument :
MSVOA_W
ClientSampled :

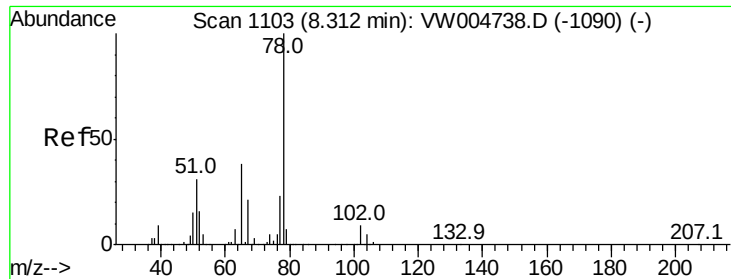
Tot Ion: 42 Resp: 526
Ion Ratio Lower Upper
42 100
72 29.8 34.9 52.3#
71 19.6 33.8 50.6#



#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

Tgt Ion: 56 Resp: 5694
Ion Ratio Lower Upper
56 100
69 168.7 27.1 40.7#
84 130.5 68.3 102.5#

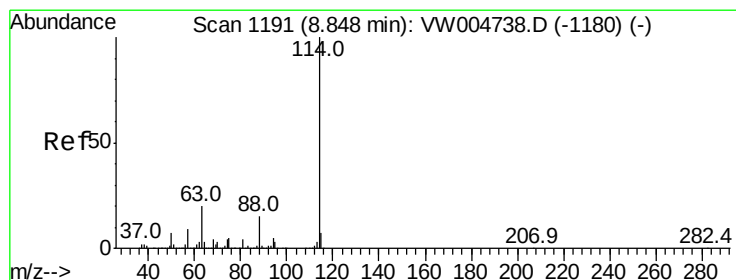
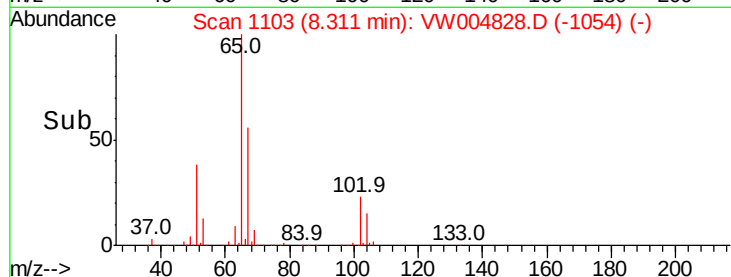
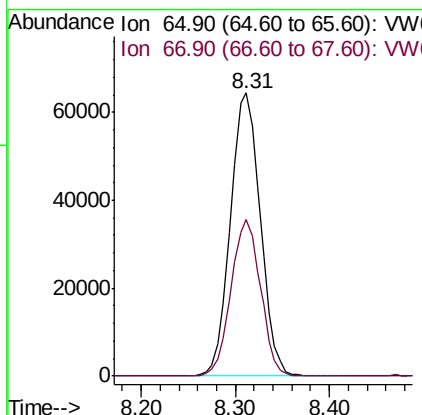
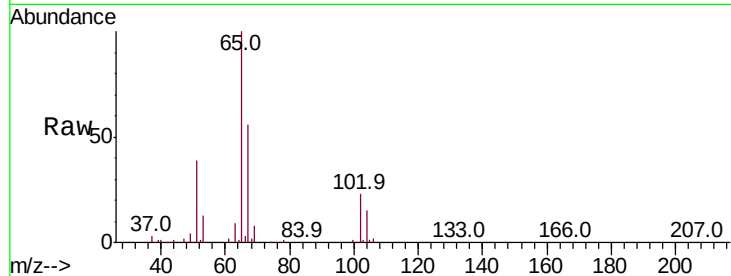




#33
 1,2-Dichloroethane-d4
 Concen: 76.371 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

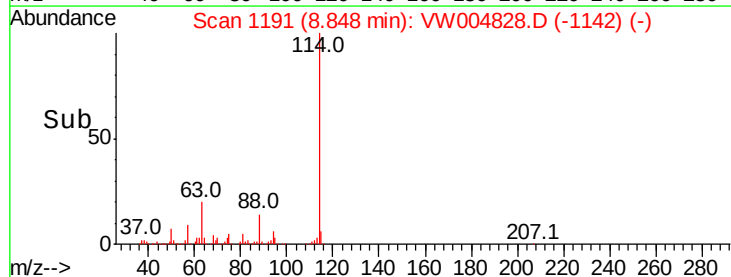
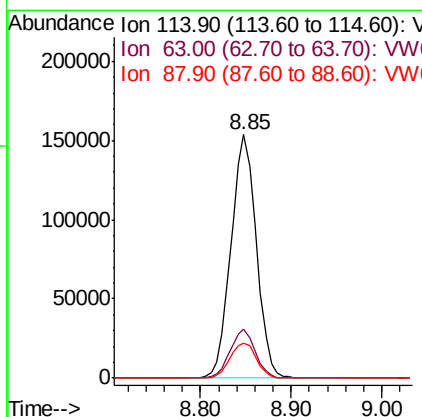
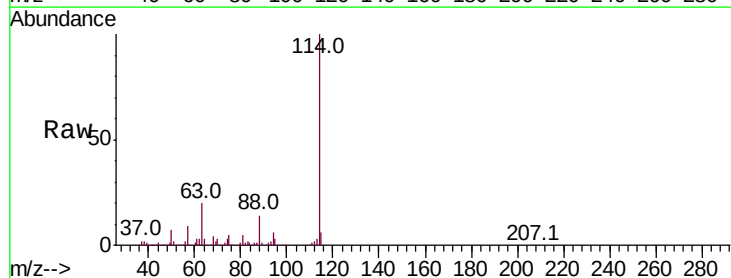
Instrument :
 MSVOA_W
 ClientSampleId :

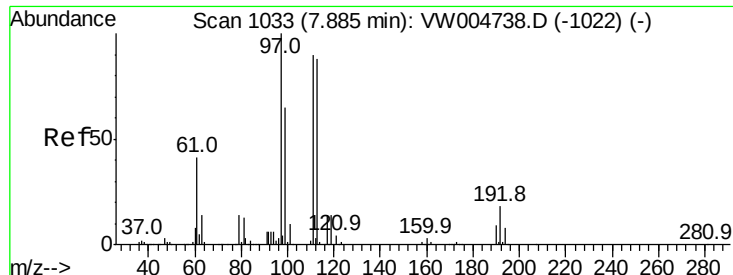
Tot Ion: 65 Resp: 142580
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

Tgt Ion: 114 Resp: 297322
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 14.3 0.0 30.0

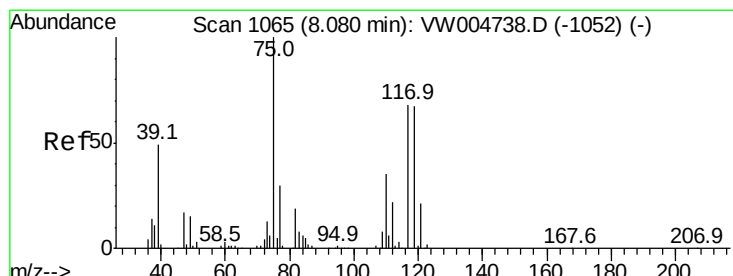
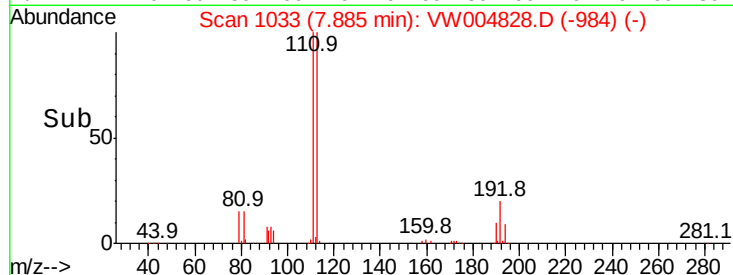
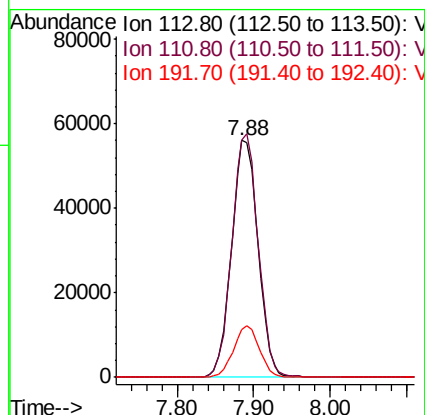
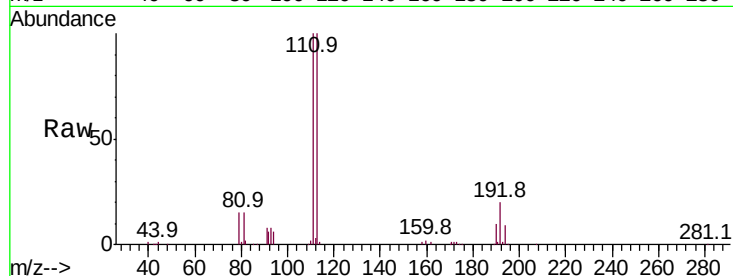




#35
 Dibromofluoromethane
 Concen: 70.788 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

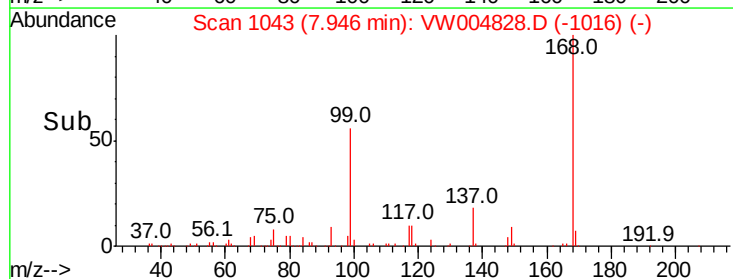
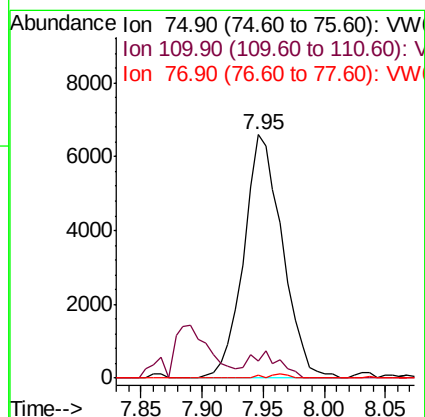
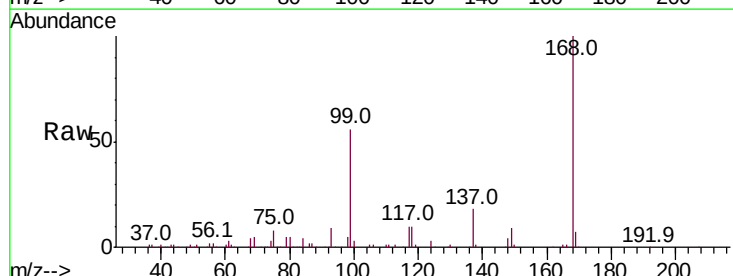
Instrument :
 MSVOA_W
 ClientSampled :

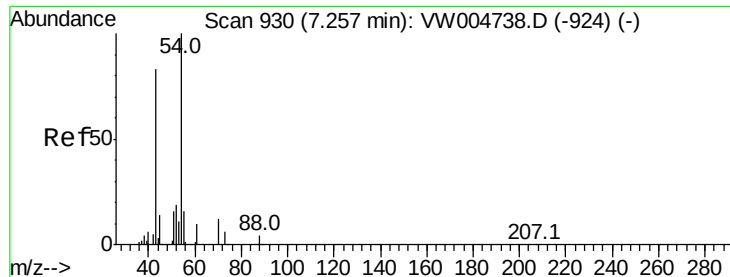
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	21.3	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.9	24.9	37.3#





#37

Ethyl Acetate

Concen: 78.348 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

Instrument :

MSVOA_W

ClientSampleId :

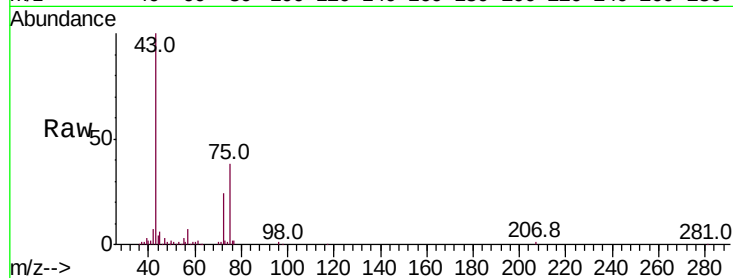
Tot Ion: 43 Resp: 95661

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

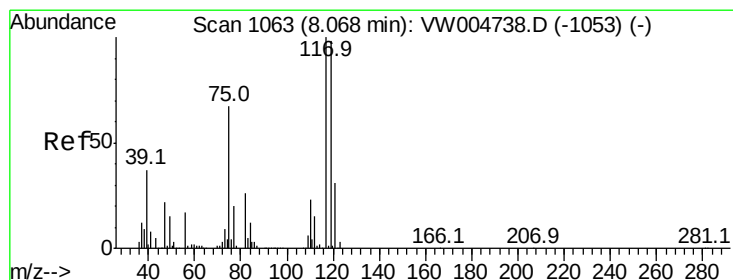
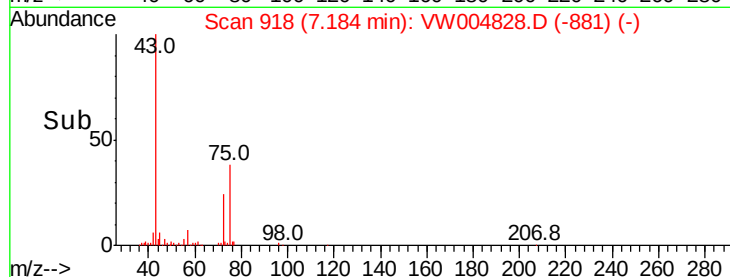
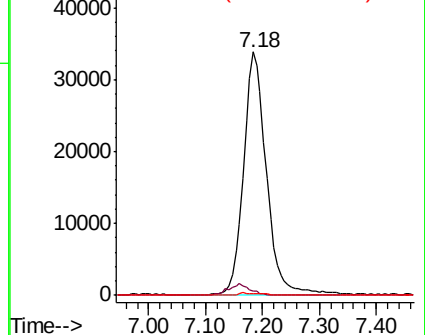
70 0.7 9.2 13.8#



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: 6.427 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

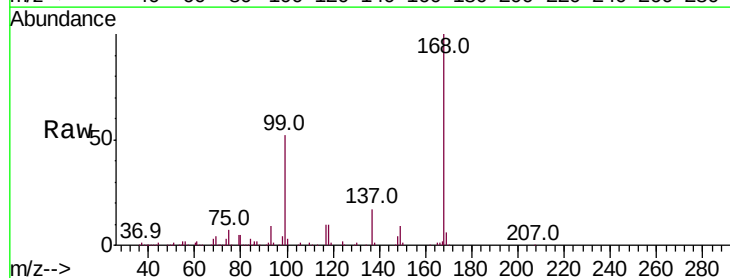
Tgt Ion: 117 Resp: 18120

Ion Ratio Lower Upper

117 100

119 5.6 78.0 117.0#

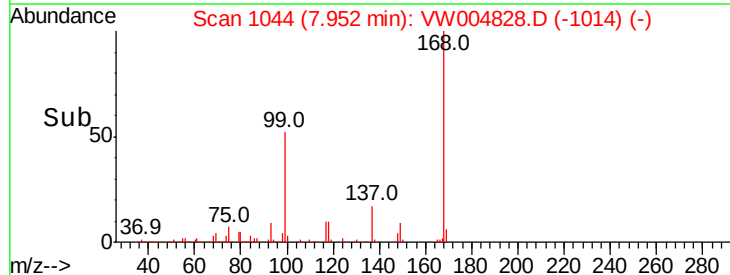
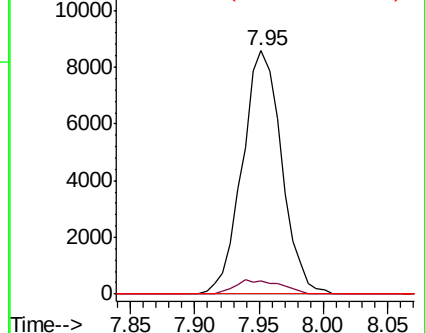
121 0.0 24.8 37.2#

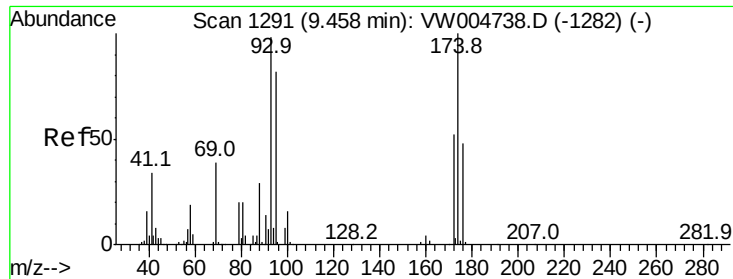


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

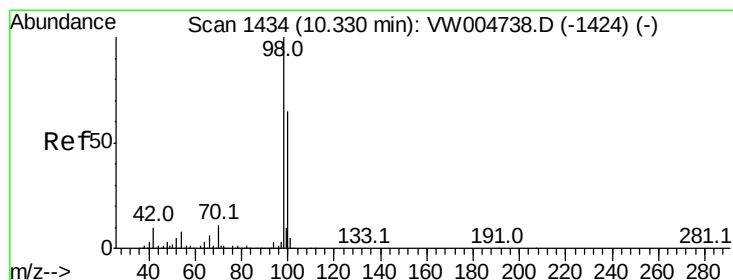
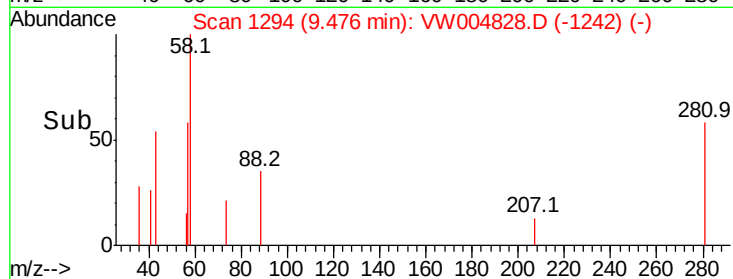
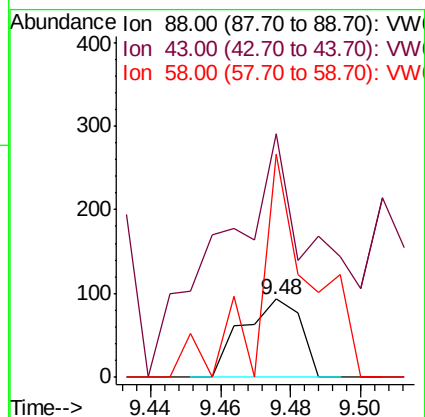
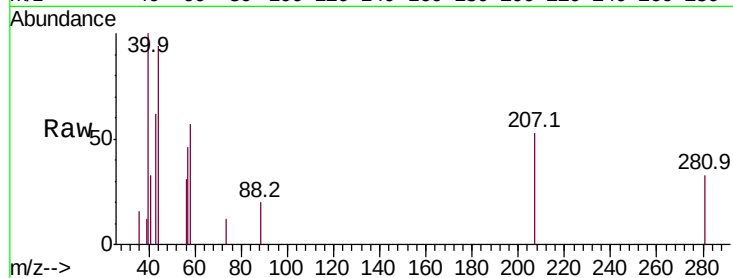




#49
 1,4-Dioxane
 Concen: 6.853 ug/l
 RT: 9.48 min Scan# 1294
 Delta R.T. 0.02 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

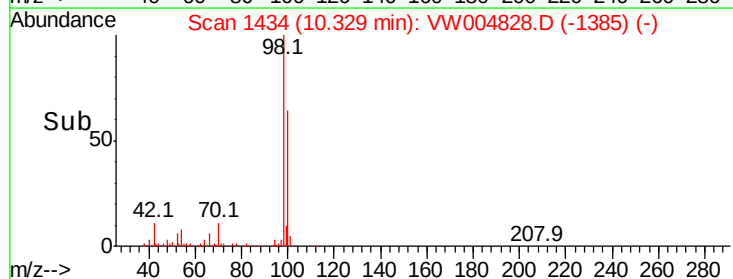
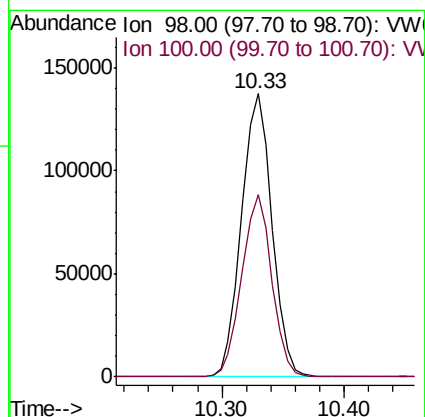
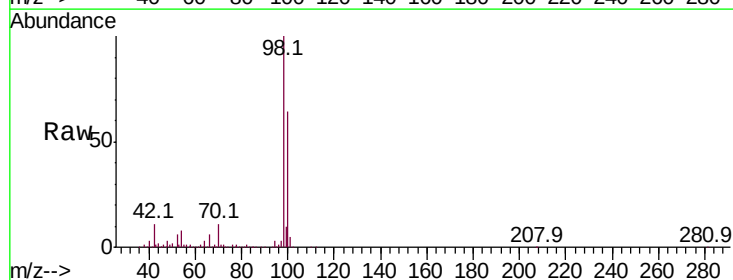
Instrument :
 MSVOA_W
 ClientSampleId :

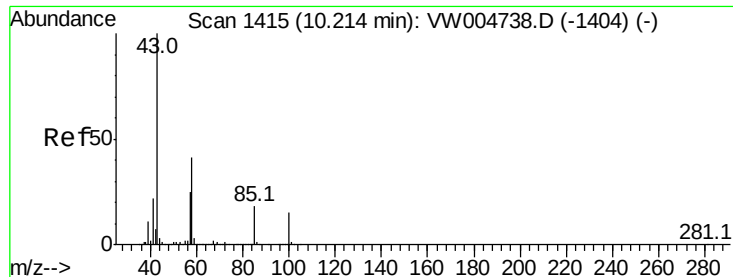
Tot Ion: 88 Resp: 108
 Ion Ratio Lower Upper
 88 100
 43 529.6 22.9 34.3#
 58 257.4 60.0 90.0#



#50
 Toluene-d8
 Concen: 32.112 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

Tgt Ion: 98 Resp: 238203
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.8 77.8

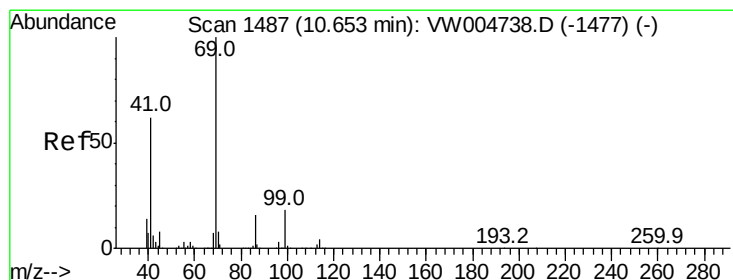
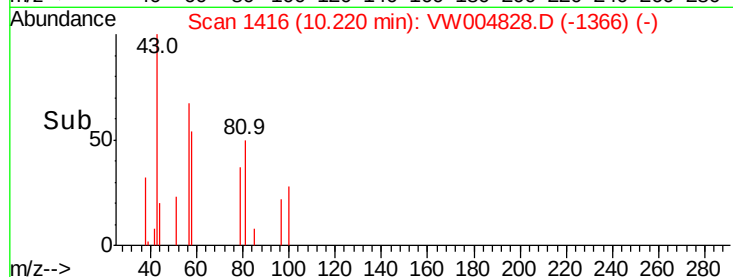
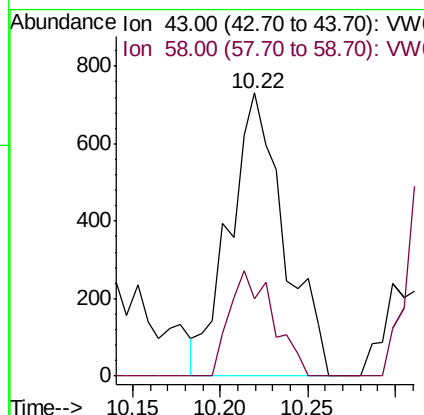
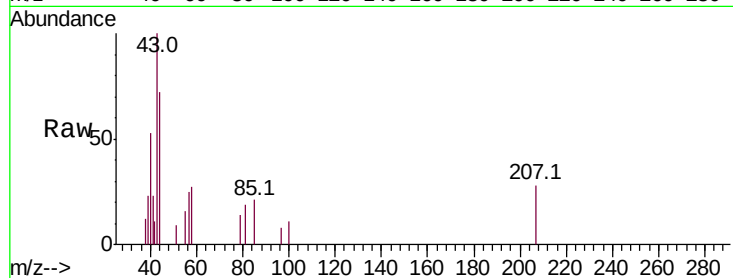




#51
4-Methyl-2-Pentanone
Concen: 1.073 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

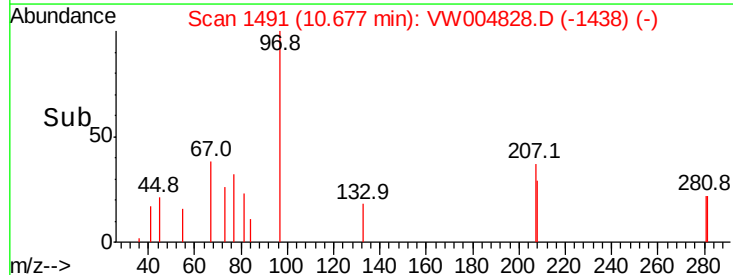
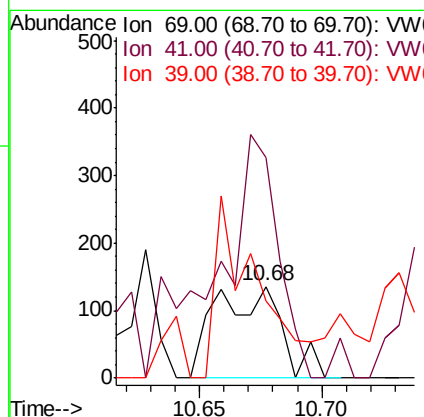
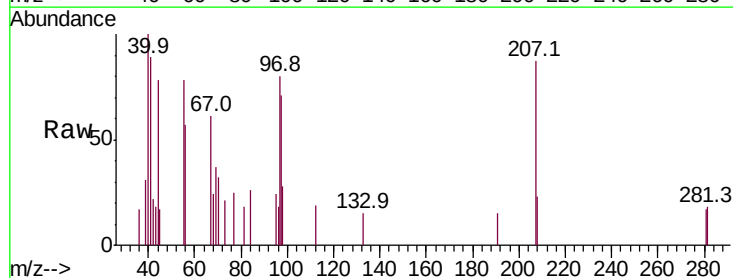
Instrument :
MSVOA_W
ClientSampled :

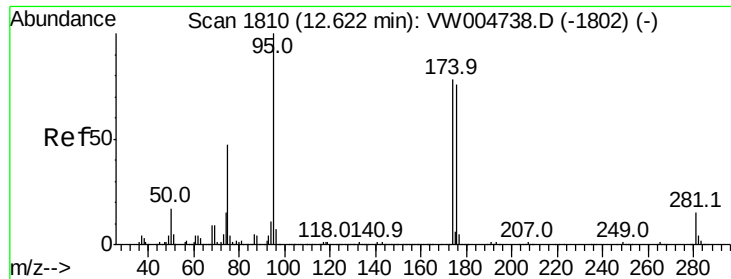
Tot Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
58 29.7 32.7 49.1#



#56
Ethyl methacrylate
Concen: 3.099 ug/l
RT: 10.68 min Scan# 1491
Delta R.T. 0.02 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

Tgt Ion: 69 Resp: 252
Ion Ratio Lower Upper
69 100
41 252.8 50.7 76.1#
39 129.8 21.4 32.2#

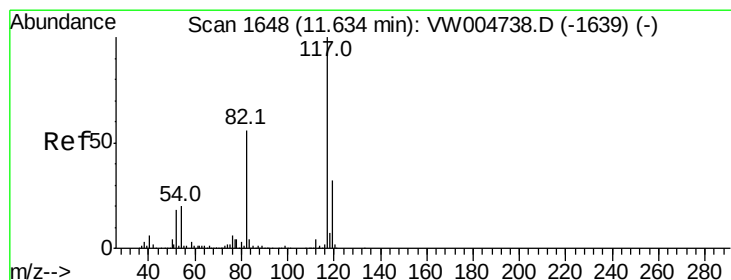
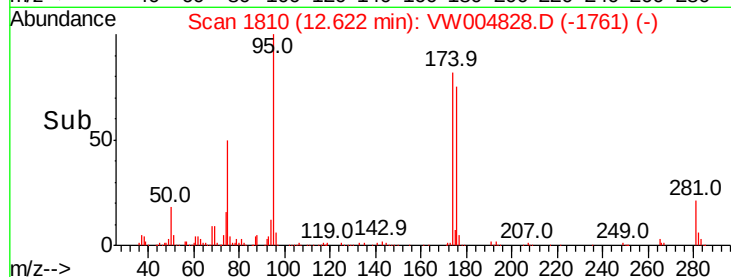
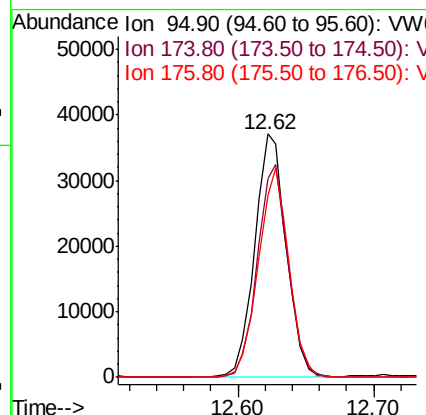
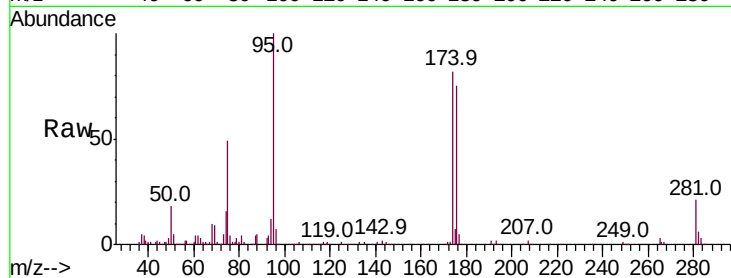




#62
4-Bromofluorobenzene
Concen: 22.324 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

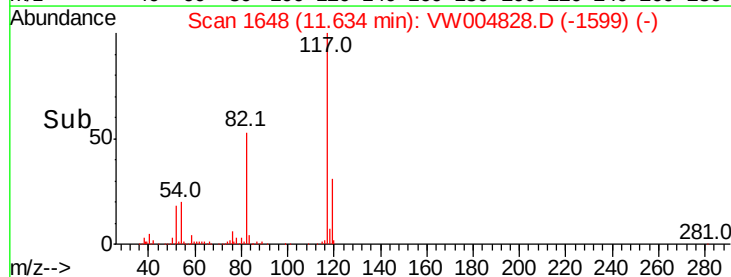
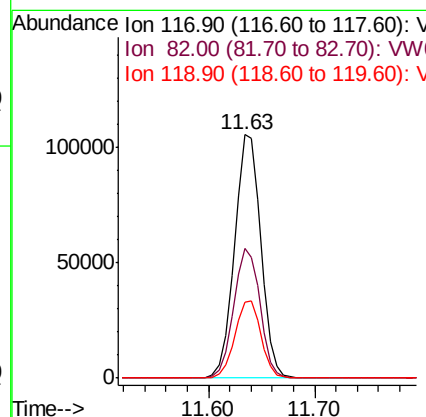
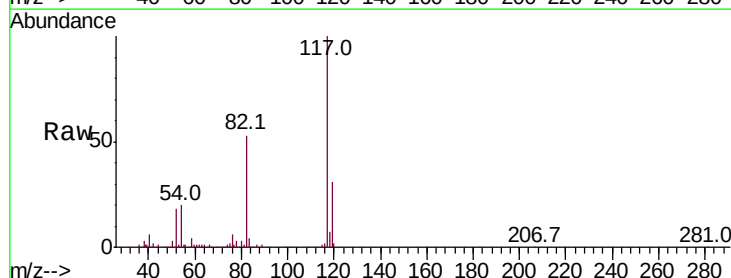
Instrument :
MSVOA_W
ClientSampleId :

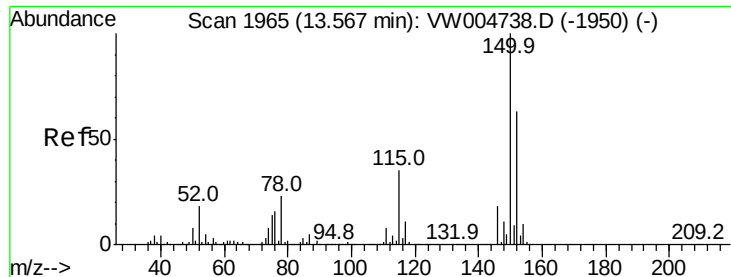
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	165.8
176	84.3	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004828.D
Acq: 21 Aug 2018 08:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.6	67.0
119	31.4	25.6	38.4

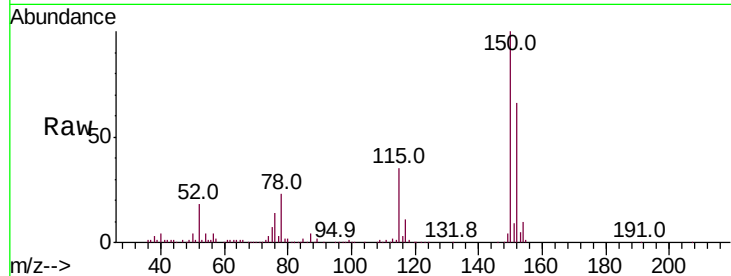




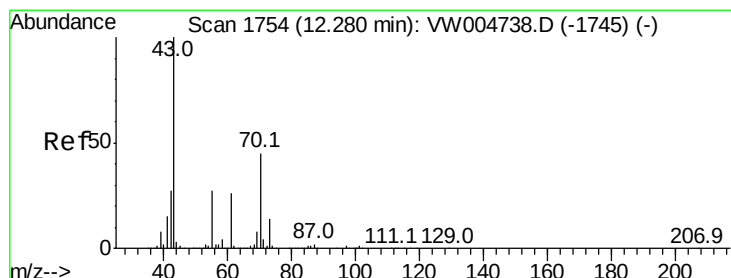
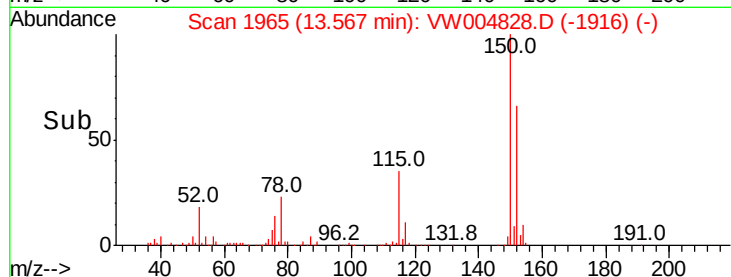
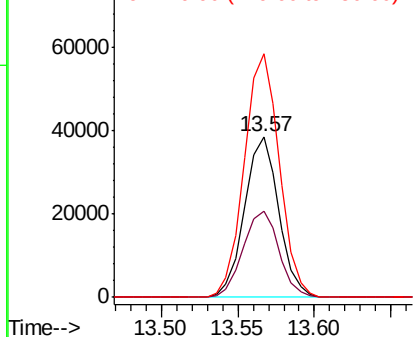
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:152 Resp: 60153
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.5 85.5
 150 154.7 0.0 344.8

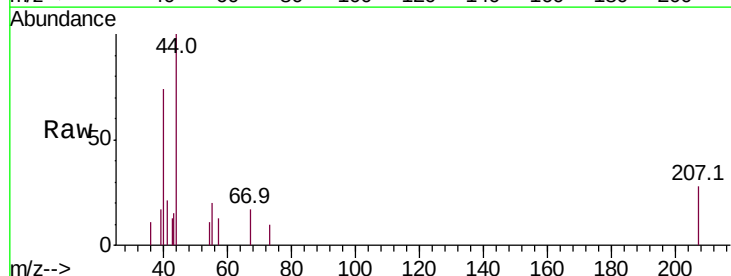


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

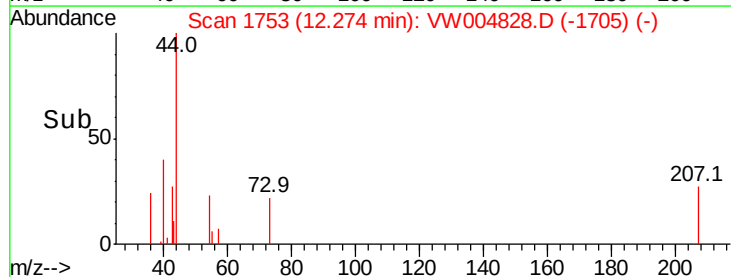
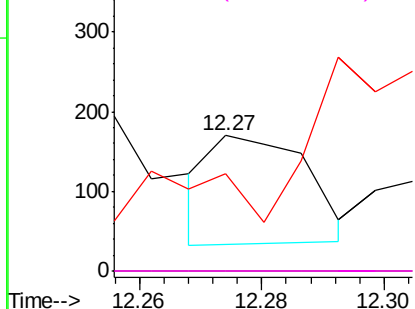


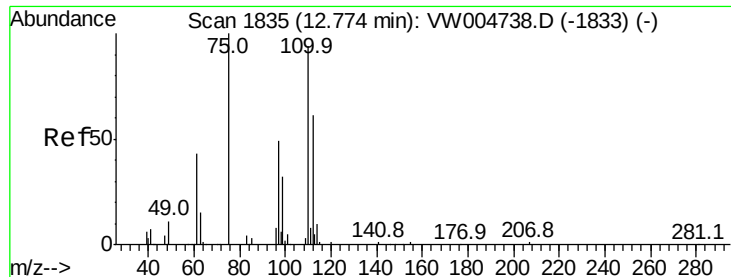
#74
 N-ethyl acetate
 Concen: 4.160 ug/l
 RT: 12.27 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: VW004828.D
 Acq: 21 Aug 2018 08:51

Tgt Ion: 43 Resp: 147
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.3 54.5#
 55 0.0 22.6 33.8#
 61 0.0 20.2 30.4#



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





#76

1,2,3-Trichloropropane

Concen: 54.156 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

Instrument :

MSVOA_W

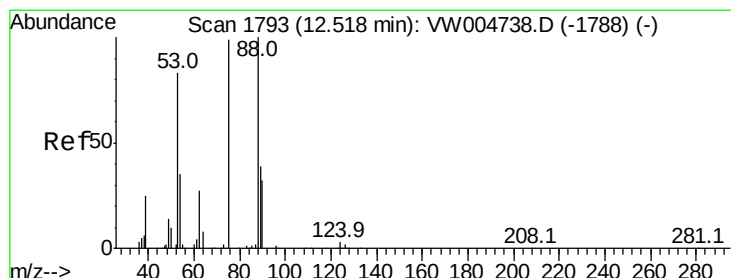
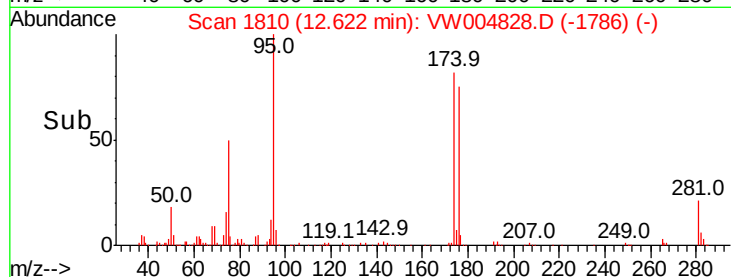
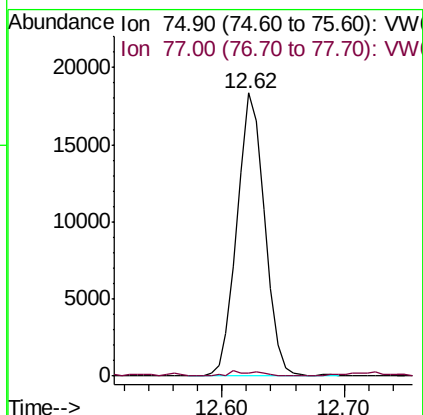
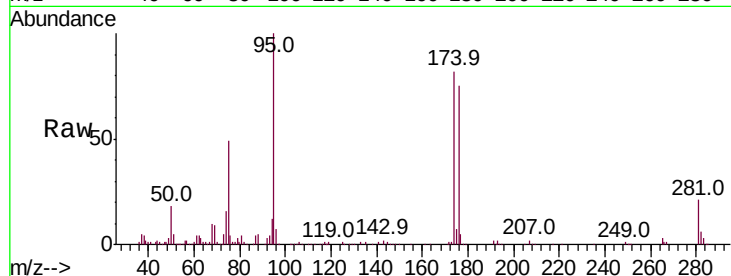
ClientSampleId :

Tot Ion: 75 Resp: 28717

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.874 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

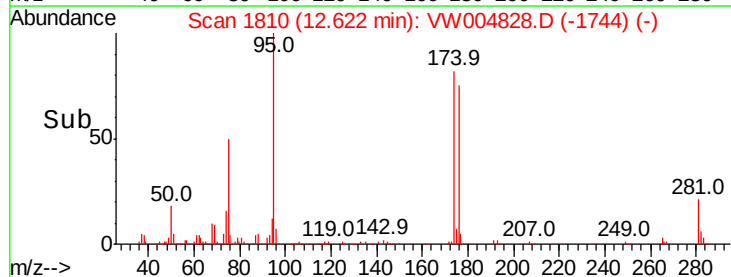
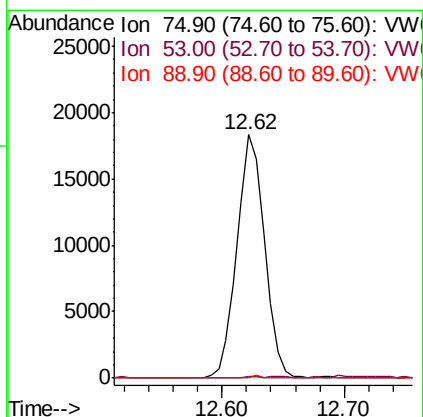
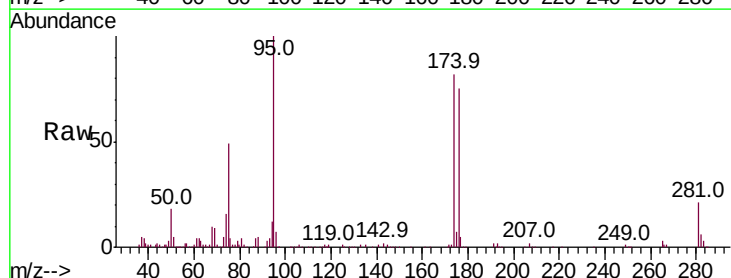
Tgt Ion: 75 Resp: 28717

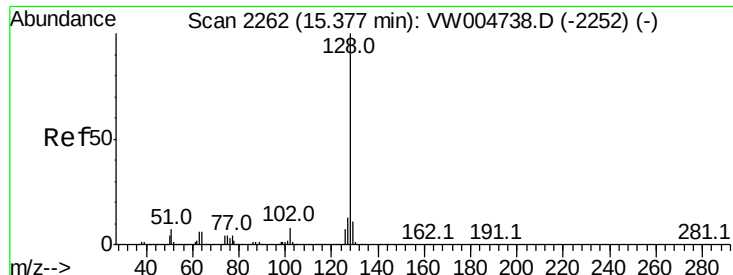
Ion Ratio Lower Upper

75 100

53 0.6 72.2 108.4#

89 0.3 35.2 52.8#





#95

Napthalene

Concen: 3.769 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004828.D

Acq: 21 Aug 2018 08:51

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 698

Ion Ratio Lower Upper

128 100

127 15.6 10.4 15.6#

129 0.0 8.6 13.0#

