

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005287.D
 Acq On : 11 Sep 2018 20:08
 Operator : SY/AP
 Sample : J4838-06
 Misc : 4.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-3

Quant Time: Sep 12 01:03:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	473712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	723817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	229340	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	184674	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.89	113	167179	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	
50) Toluene-d8	10.33	98	661439	34.52	ug/l	0.00
Spiked Amount			Recovery	=	69.04%	
62) 4-Bromofluorobenzene	12.63	95	195329	27.87	ug/l	0.00
Spiked Amount			Recovery	=	55.74%	

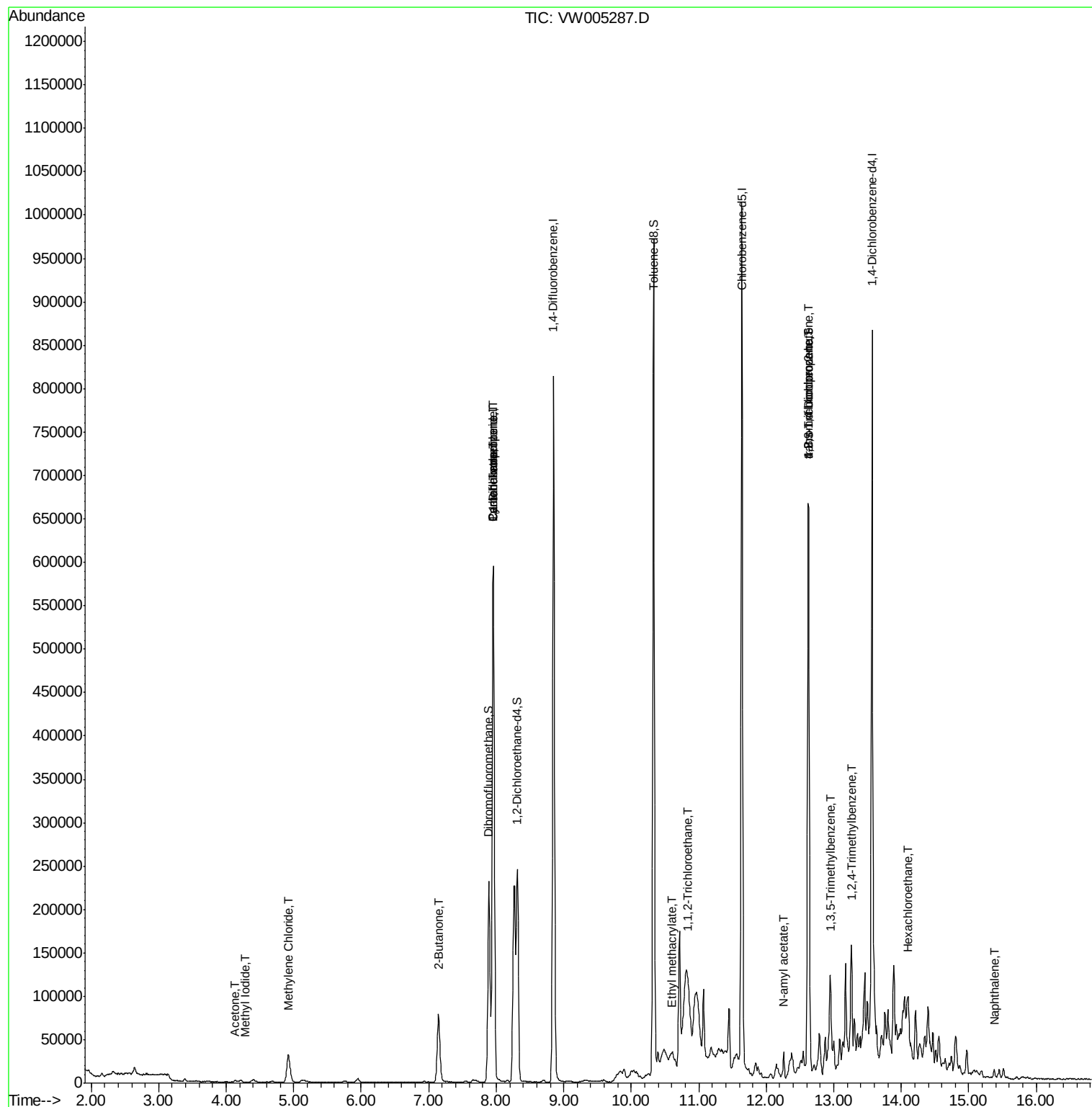
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	462	Below Cal	#	47
10) Methyl Iodide	4.28	142	356	3.392	ug/l #	45
16) Acetone	4.14	43	3640	5.550	ug/l	98
20) Methylene Chloride	4.92	84	26627	2.323	ug/l	96
25) 2-Butanone	7.14	43	4158	4.019	ug/l #	76
31) Cyclohexane	7.96	56	17129	2.266	ug/l #	26
36) 1,1-Dichloropropene	7.96	75	32422	4.889	ug/l #	49
38) Carbon Tetrachloride	7.96	117	42114	6.780	ug/l #	16
55) 1,1,2-Trichloroethane	10.84	97	20896	5.702	ug/l #	17
56) Ethyl methacrylate	10.62	69	12631	2.718	ug/l #	29
74) N-amyl acetate	12.26	43	5914	1.918	ug/l #	70
76) 1,2,3-Trichloropropane	12.62	75	92085	52.203	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	20121	1.458	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	92085	122.428	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	75549	5.449	ug/l	99
90) Hexachloroethane	14.11	117	2908	1.182	ug/l #	5
95) Naphthalene	15.38	128	9703	1.201	ug/l	97

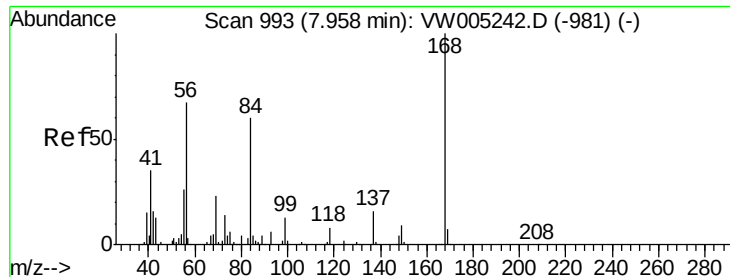
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005287.D

Acq: 11 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

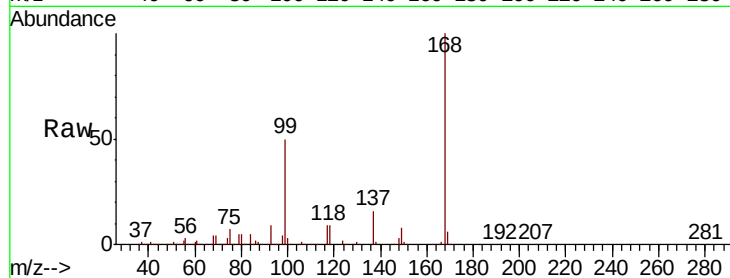
SUP-1B-G-090718-3

Tgt Ion:168 Resp: 473712

Ion Ratio Lower Upper

168 100

99 49.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

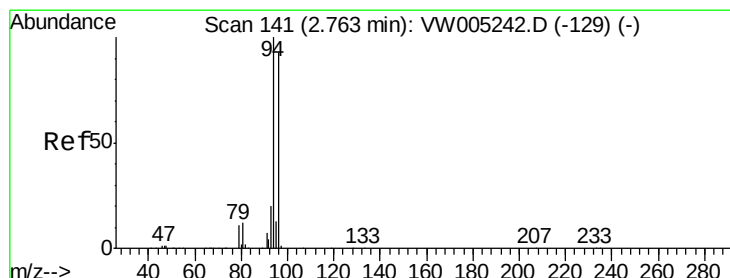
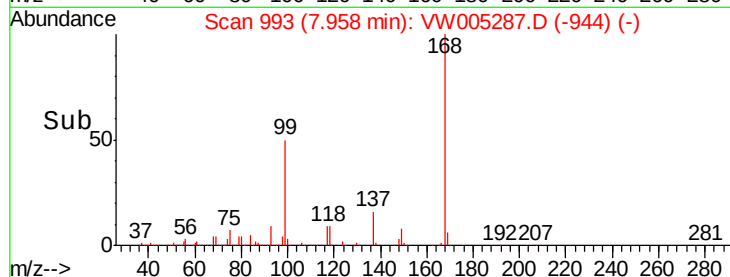
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW005287.D

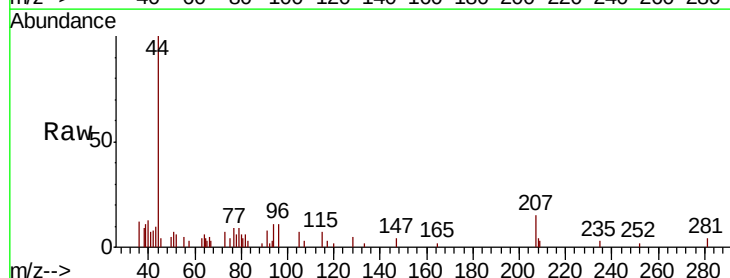
Acq: 11 Sep 2018 20:08

Tgt Ion: 94 Resp: 462

Ion Ratio Lower Upper

94 100

96 42.3 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

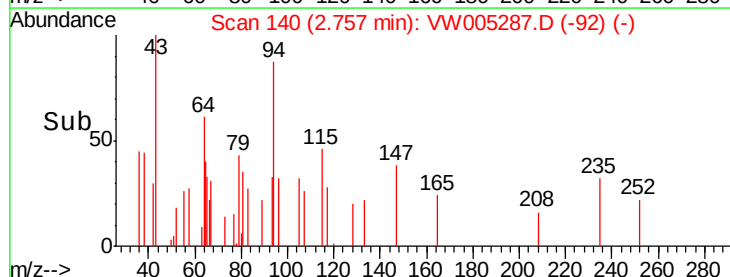
300

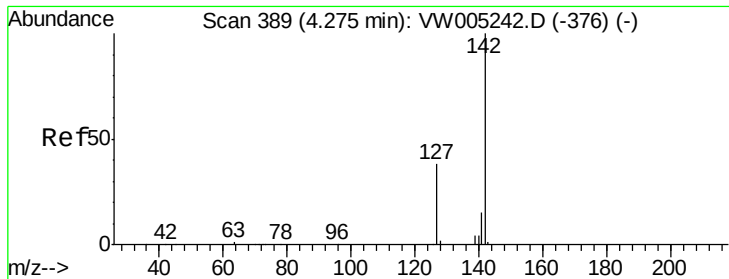
200

100

0

Time--> 2.75 2.80

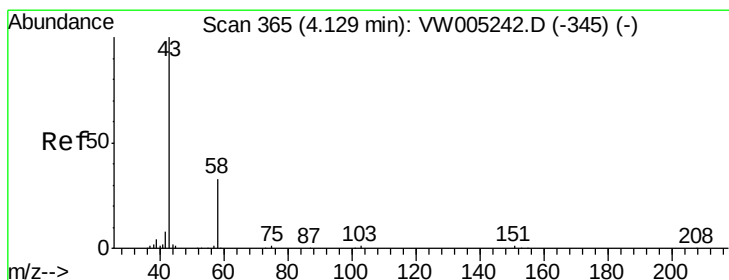
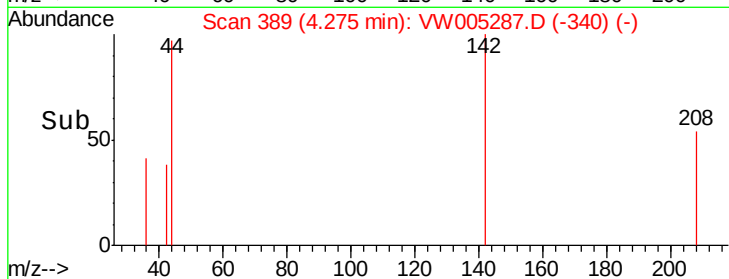
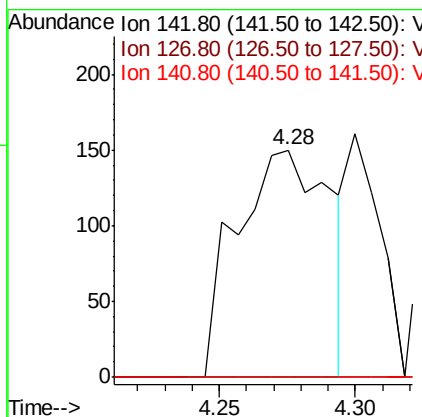
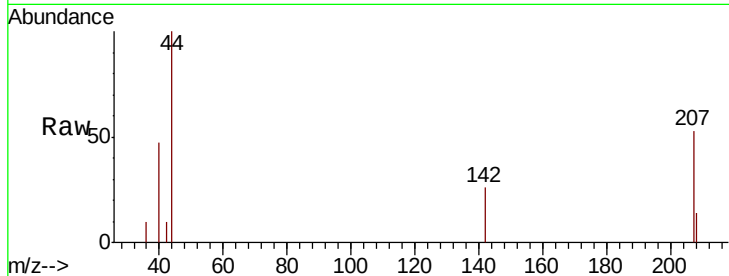




#10
Methyl Iodide
Concen: 3.392 ug/l
RT: 4.28 min Scan# 389
Delta R.T. 0.00 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

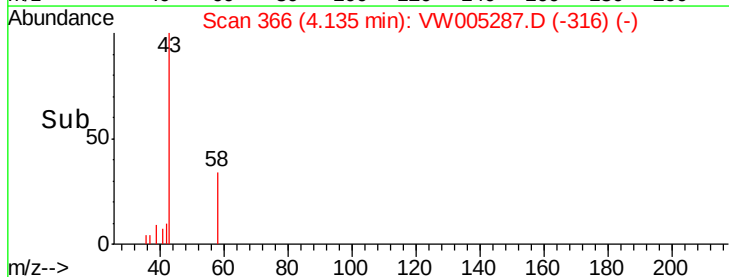
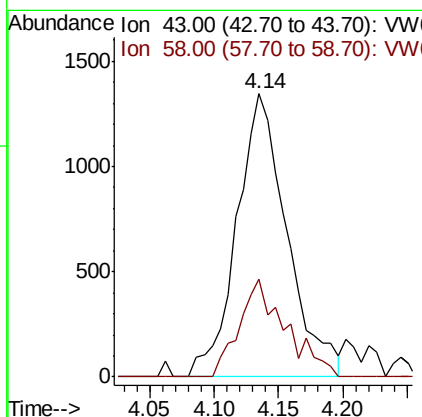
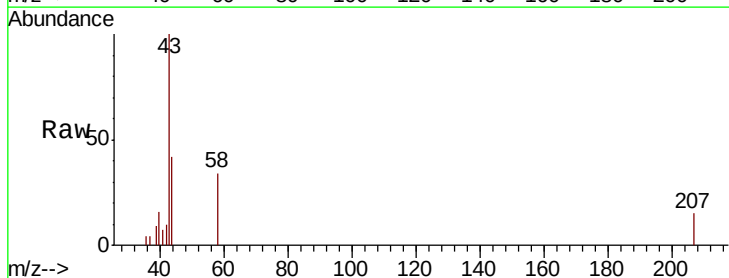
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-3

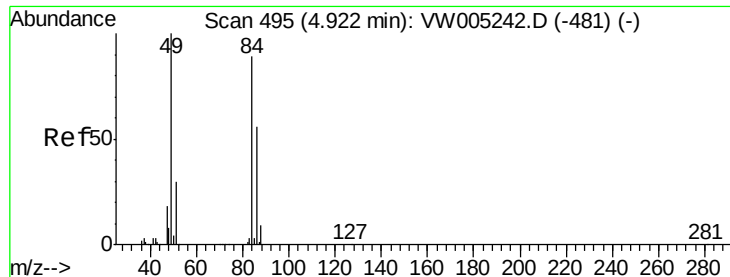
Tgt Ion: 142 Resp: 356
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 5.550 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

Tgt Ion: 43 Resp: 3640
Ion Ratio Lower Upper
43 100
58 34.3 26.7 40.1

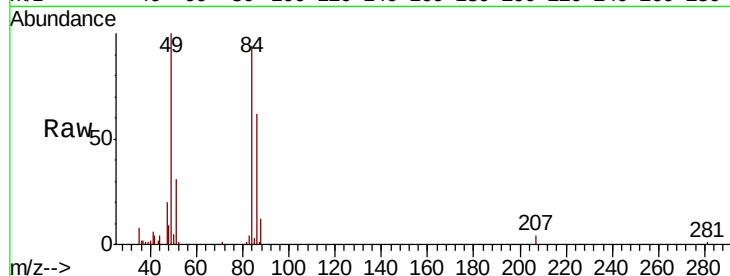




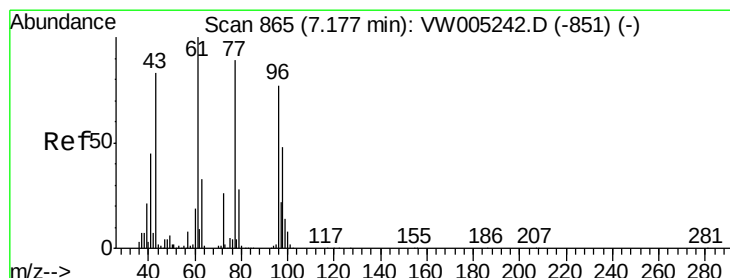
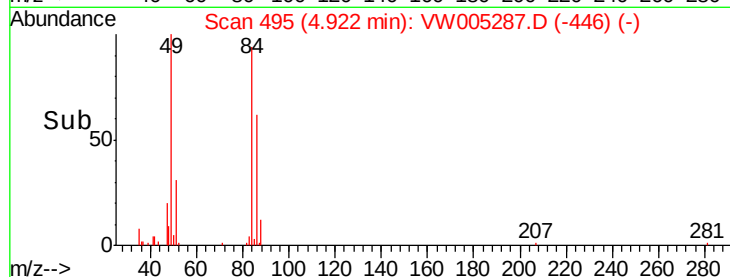
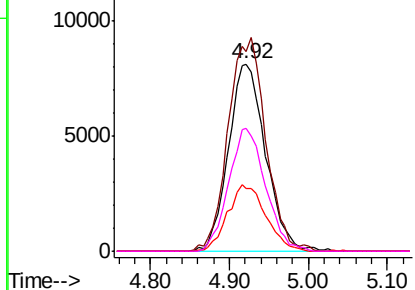
#20
Methylene Chloride
Concen: 2.323 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-3

Tgt Ion:	84	Resp:	26627
Ion	Ratio	Lower	Upper
84	100		
49	106.7	90.3	135.5
51	33.5	26.9	40.3
86	65.8	50.8	76.2

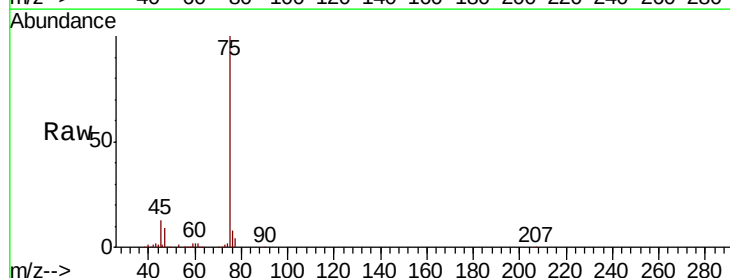


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

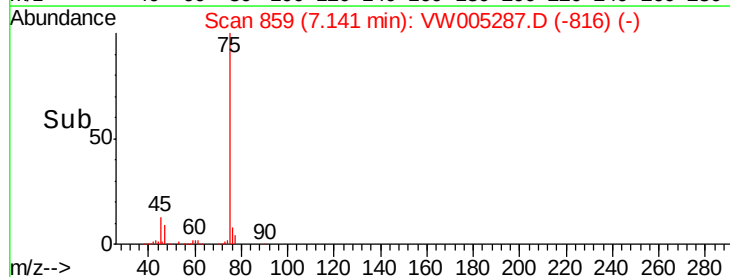
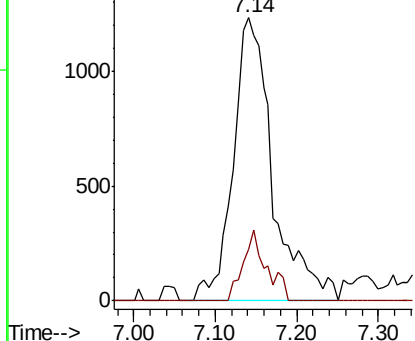


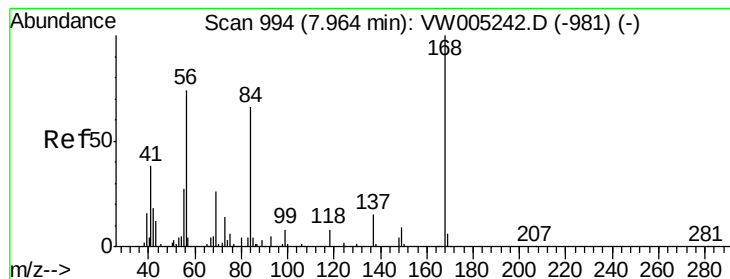
#25
2-Butanone
Concen: 4.019 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

Tgt Ion:	43	Resp:	4158
Ion	Ratio	Lower	Upper
43	100		
72	18.1	25.0	37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 2.266 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005287.D

Acq: 11 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-3

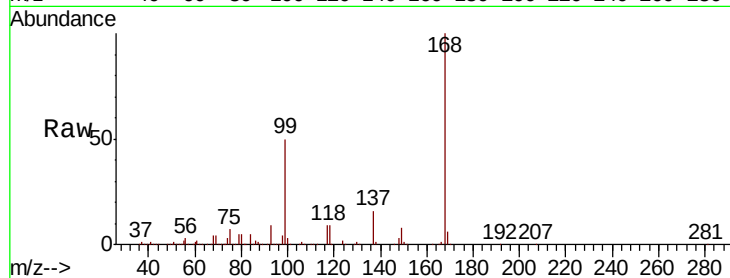
Tgt Ion: 56 Resp: 17129

Ion Ratio Lower Upper

56 100

69 115.9 27.8 41.8#

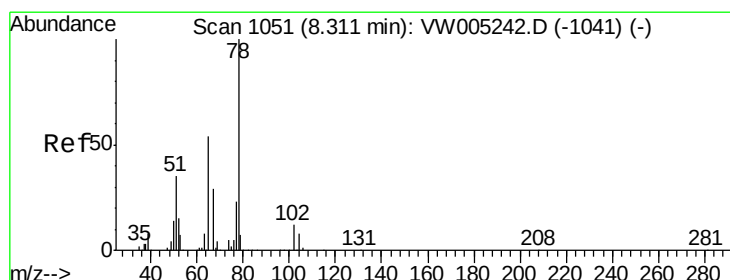
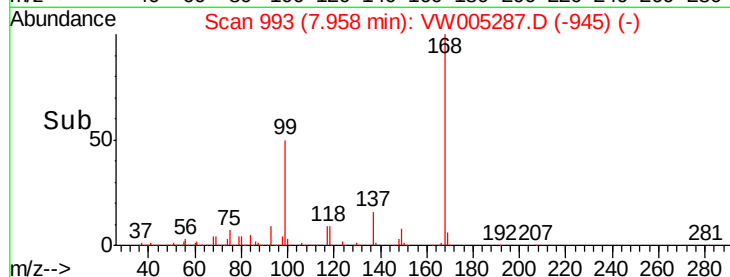
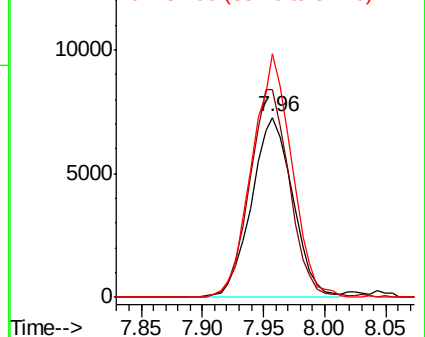
84 135.6 72.1 108.1#



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: 52.268 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005287.D

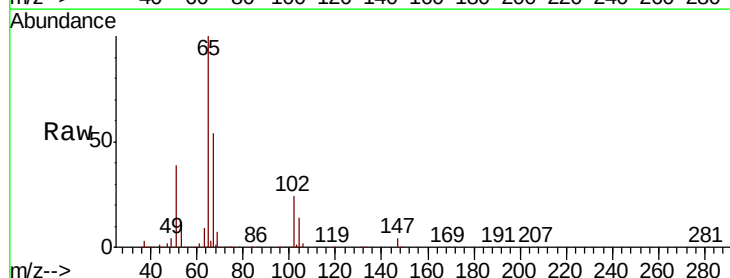
Acq: 11 Sep 2018 20:08

Tgt Ion: 65 Resp: 184674

Ion Ratio Lower Upper

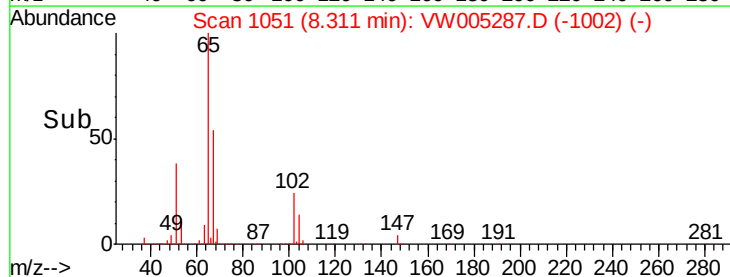
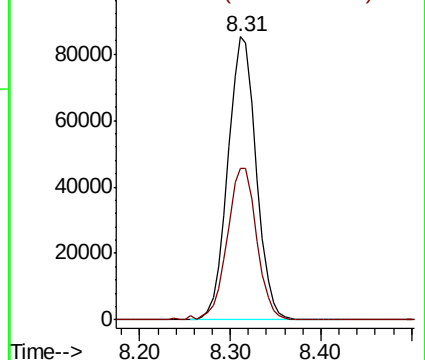
65 100

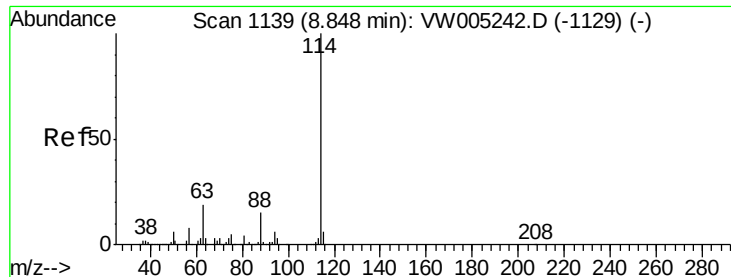
67 56.2 0.0 112.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

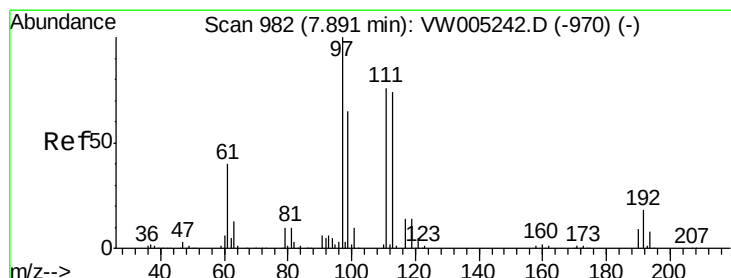
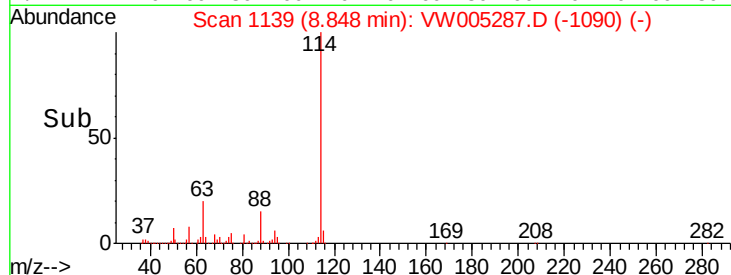
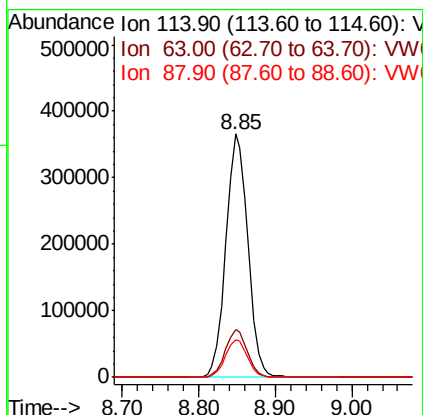
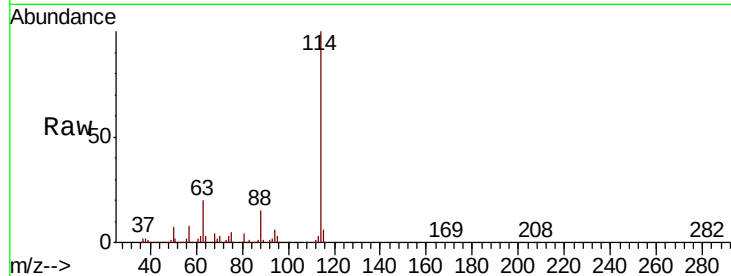




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

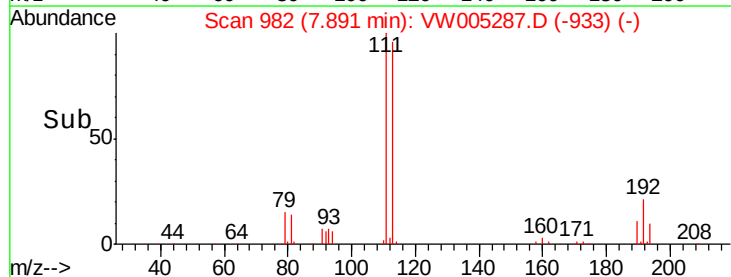
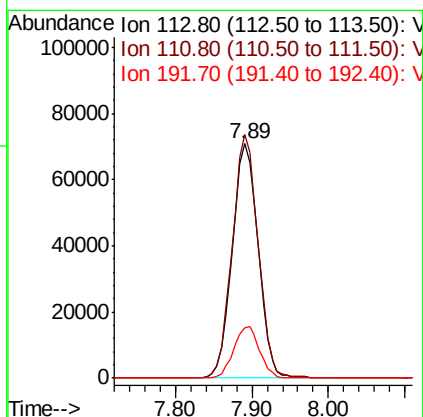
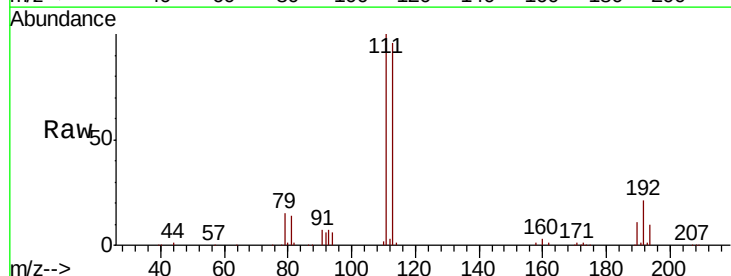
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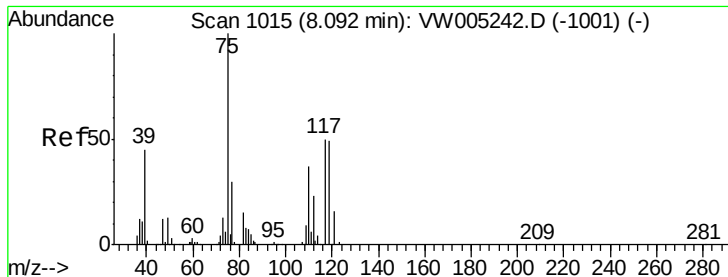
Tgt Ion:	114	Resp:	723817
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	37.0
88	15.4	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 44.092 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

Tgt Ion:	113	Resp:	167179
Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.6	121.0
192	21.7	18.3	27.5

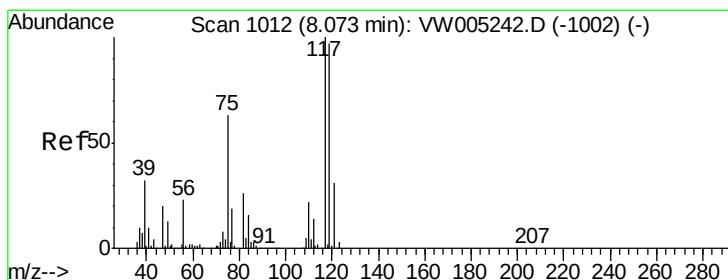
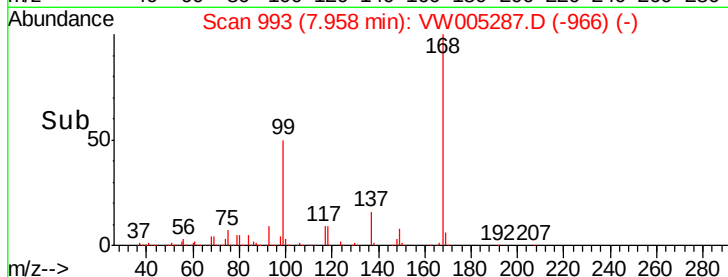
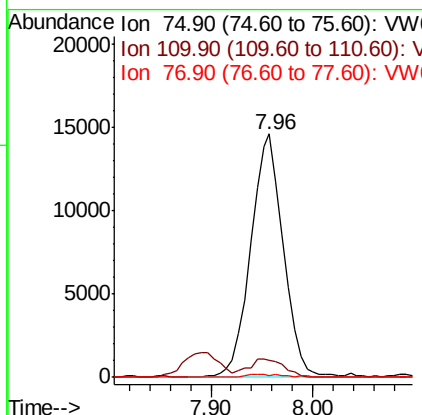
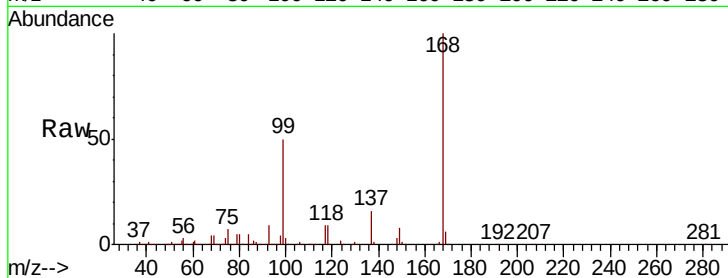




#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

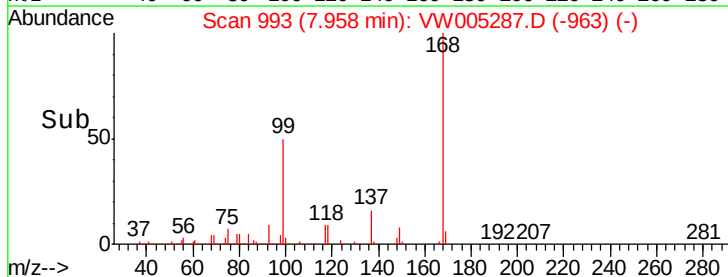
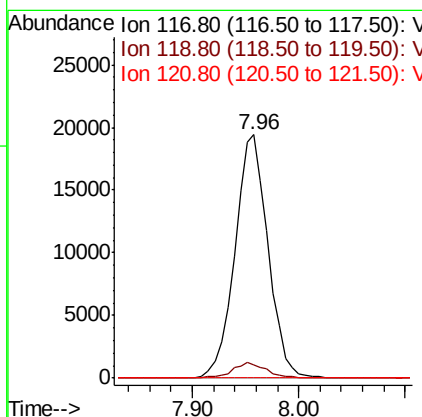
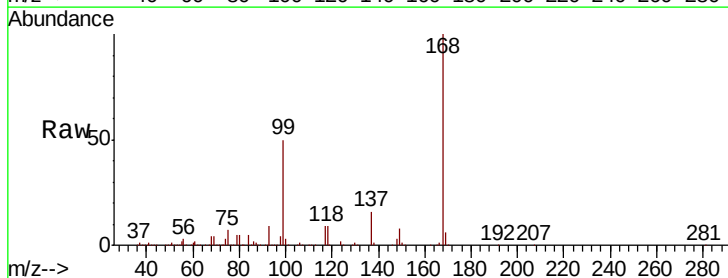
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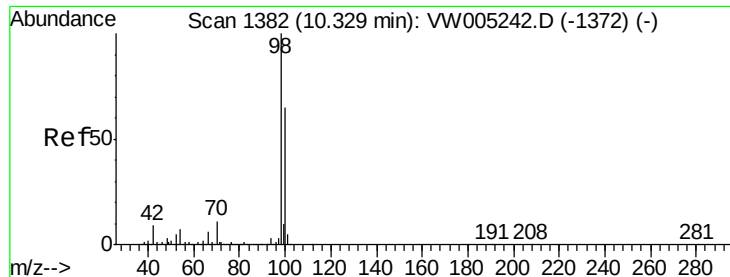
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.8	56.4#
77	1.4	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.780 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 34.523 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005287.D

Acq: 11 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

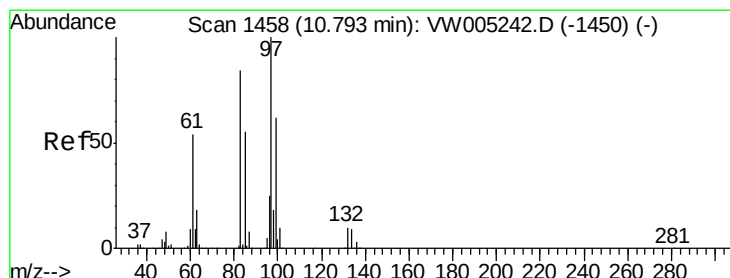
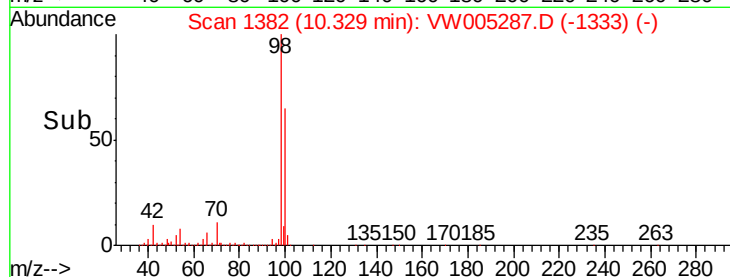
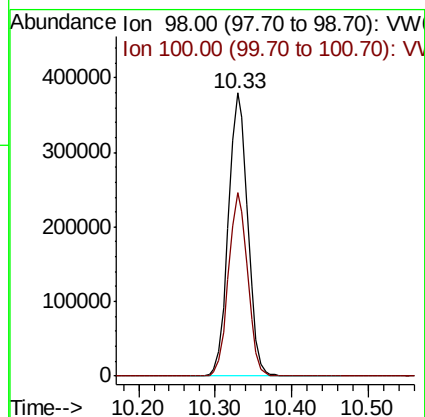
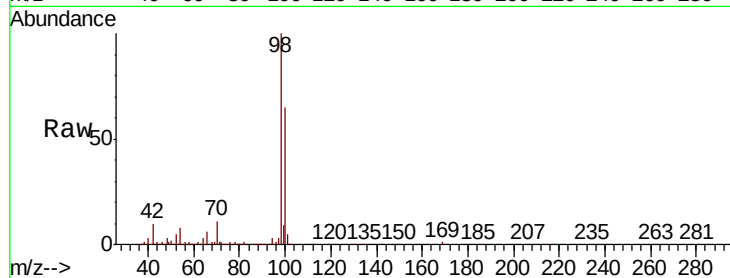
SUP-1B-G-090718-3

Tgt Ion: 98 Resp: 661439

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 5.702 ug/l

RT: 10.84 min Scan# 1465

Delta R.T. 0.04 min

Lab File: VW005287.D

Acq: 11 Sep 2018 20:08

Tgt Ion: 97 Resp: 20896

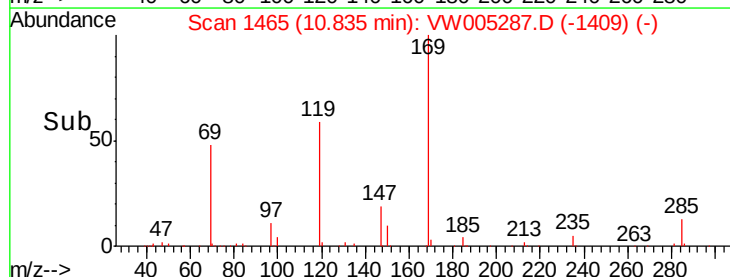
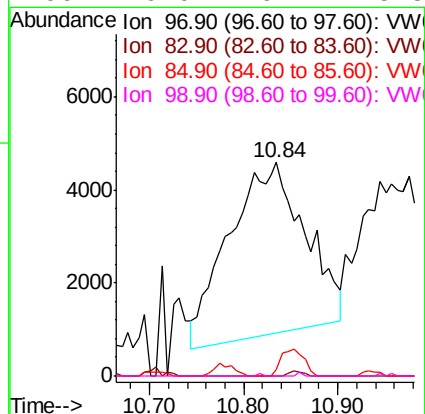
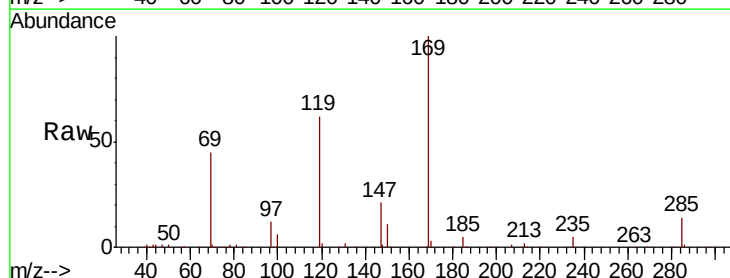
Ion Ratio Lower Upper

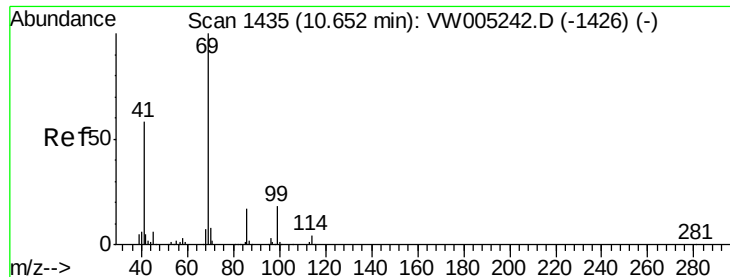
97 100

83 0.0 67.2 100.8#

85 4.1 44.4 66.6#

99 0.0 49.2 73.8#

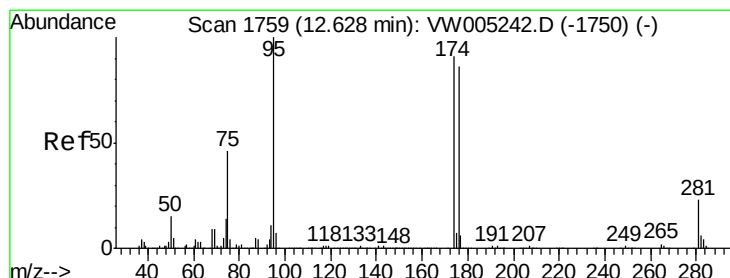
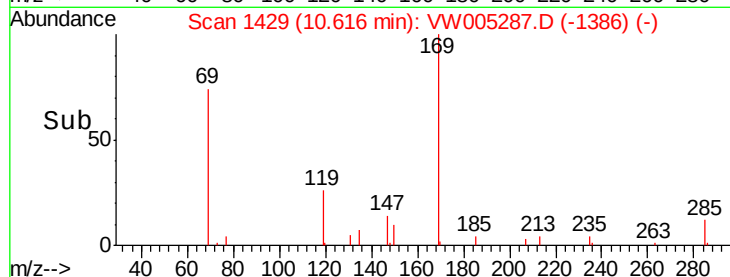
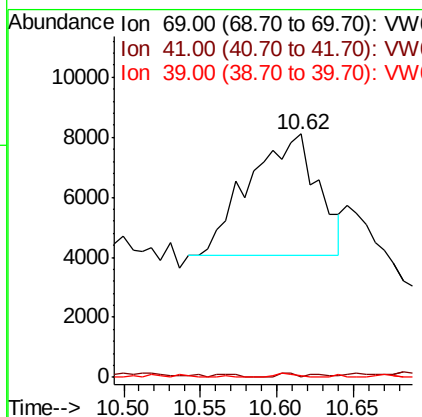
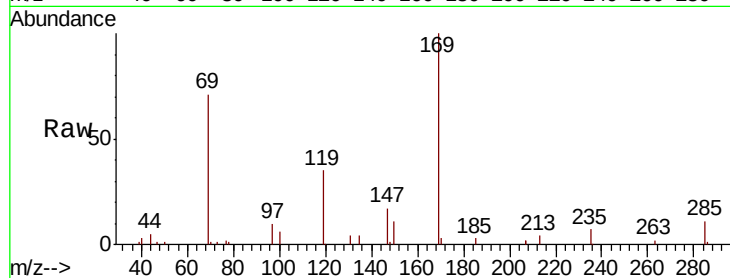




#56
Ethyl methacrylate
Concen: 2.718 ug/l
RT: 10.62 min Scan# 1429
Delta R.T. -0.04 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

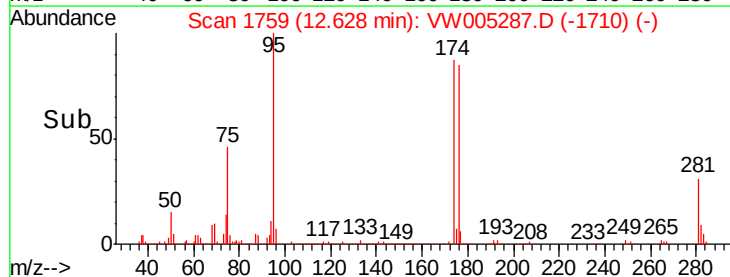
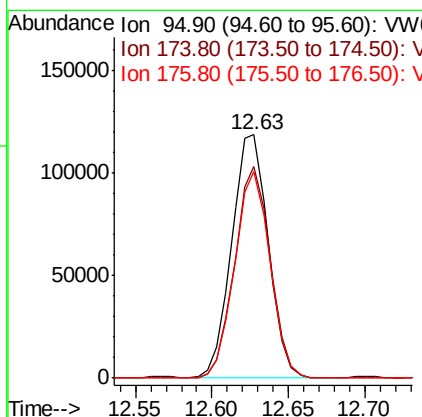
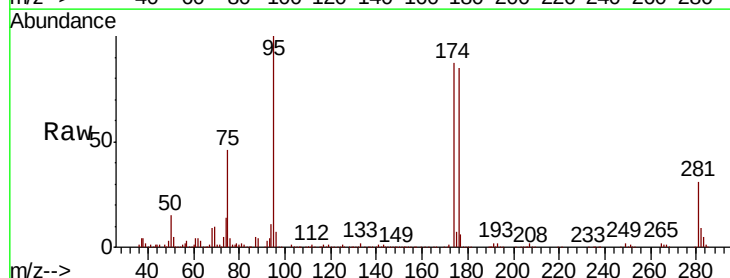
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-3

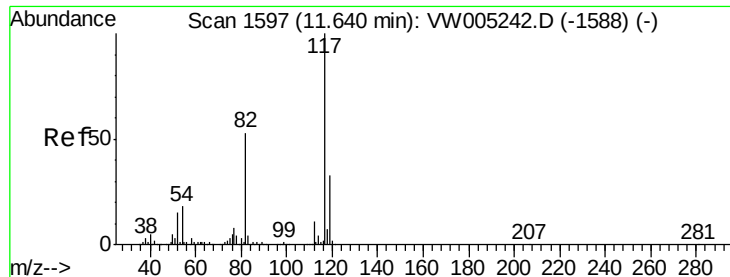
Tgt Ion: 69 Resp: 12631
Ion Ratio Lower Upper
69 100
41 0.7 48.7 73.1#
39 0.0 20.9 31.3#



#62
4-Bromofluorobenzene
Concen: 27.872 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

Tgt Ion: 95 Resp: 195329
Ion Ratio Lower Upper
95 100
174 85.0 0.0 174.6
176 82.8 0.0 167.6

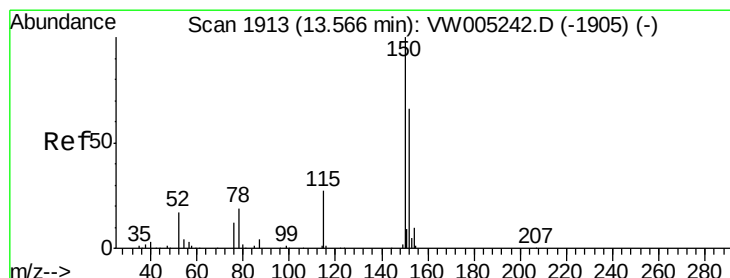
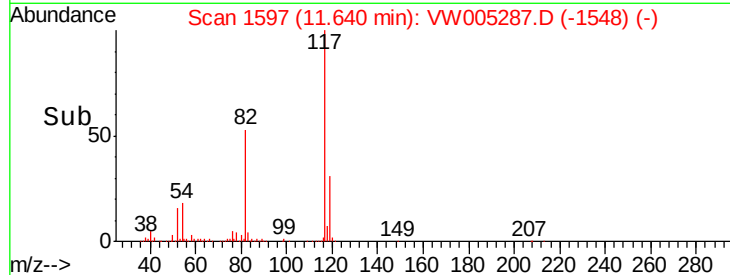
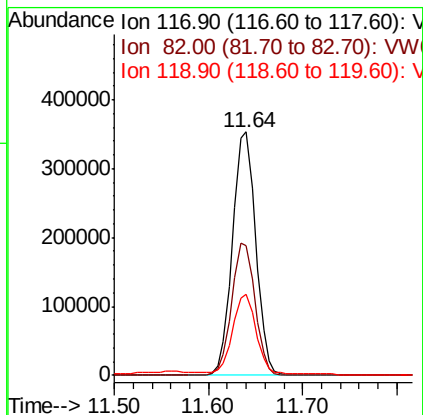
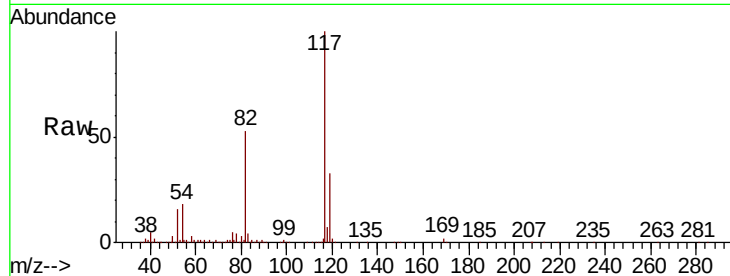




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

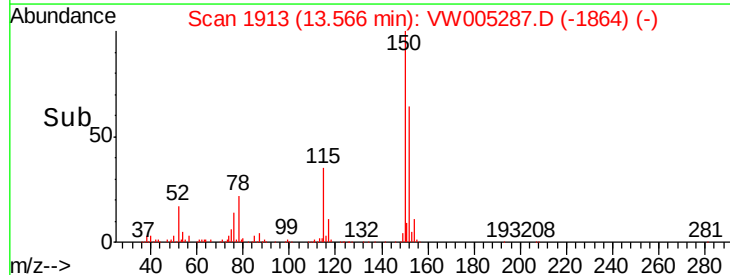
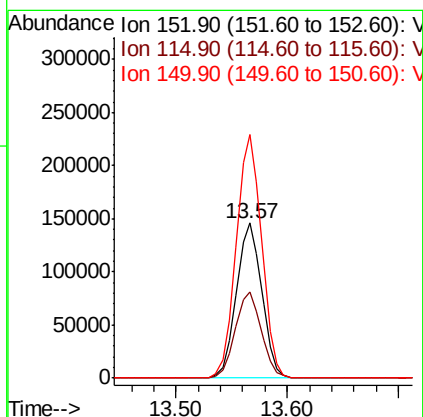
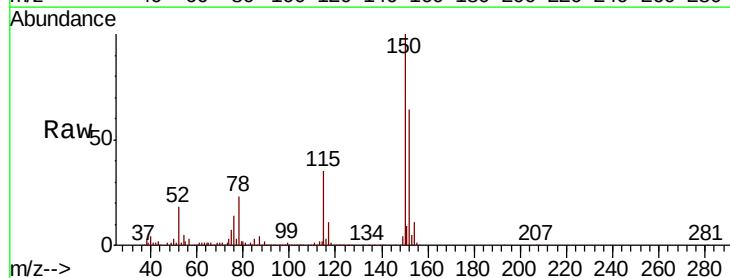
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-3

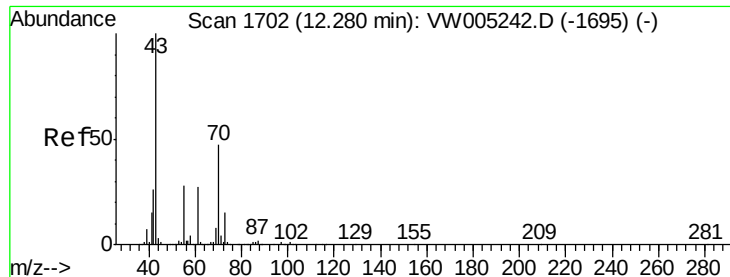
Tgt Ion:117 Resp: 606745
Ion Ratio Lower Upper
117 100
82 53.5 42.6 63.8
119 32.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

Tgt Ion:152 Resp: 229340
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.4
150 157.2 0.0 347.4





#74

N-ethyl acetate

Concen: 1.918 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW005287.D

Acq: 11 Sep 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-3

Tgt Ion: 43 Resp: 5914

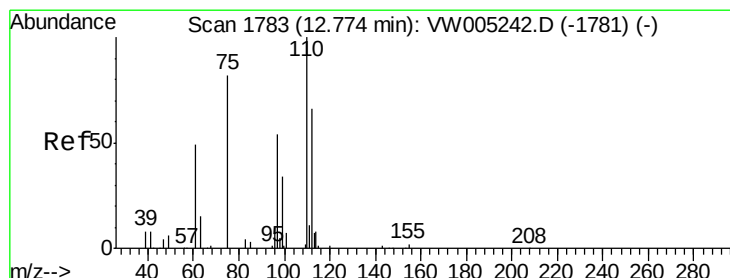
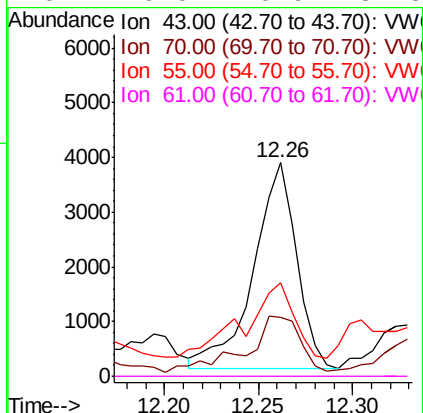
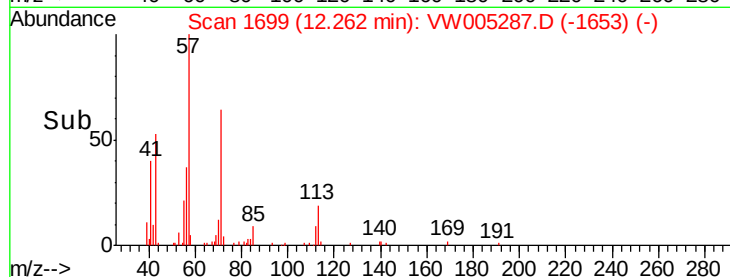
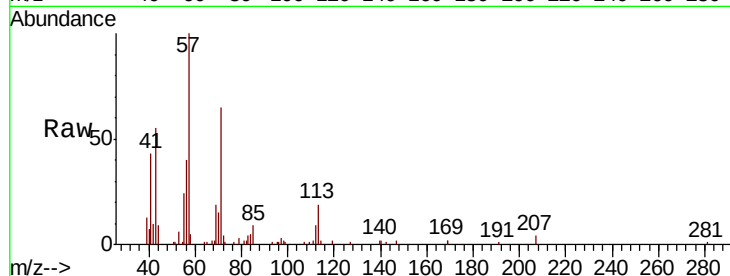
Ion Ratio Lower Upper

43 100

70 34.7 37.9 56.9#

55 42.7 22.6 33.8#

61 0.0 20.9 31.3#



#76

1,2,3-Trichloropropane

Concen: 52.203 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005287.D

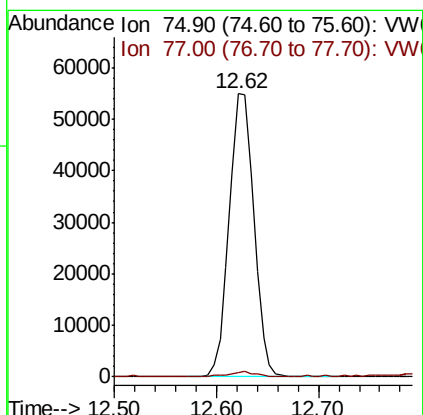
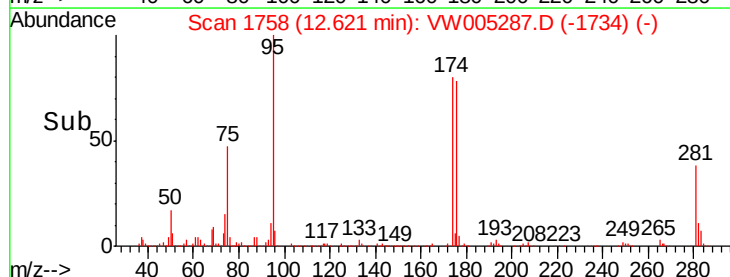
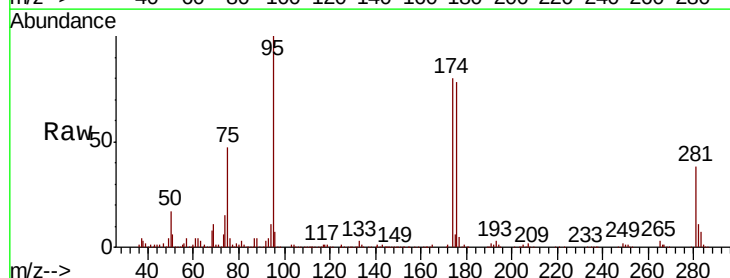
Acq: 11 Sep 2018 20:08

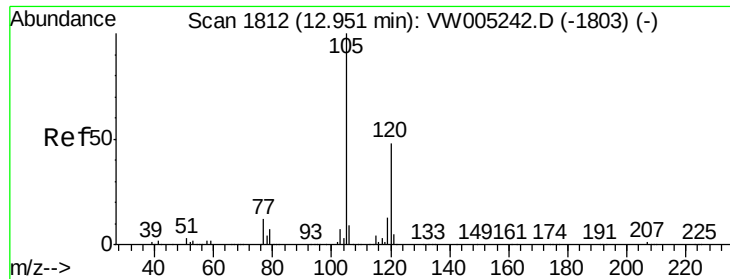
Tgt Ion: 75 Resp: 92085

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#

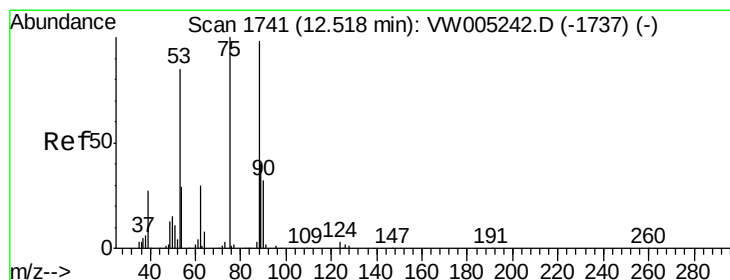
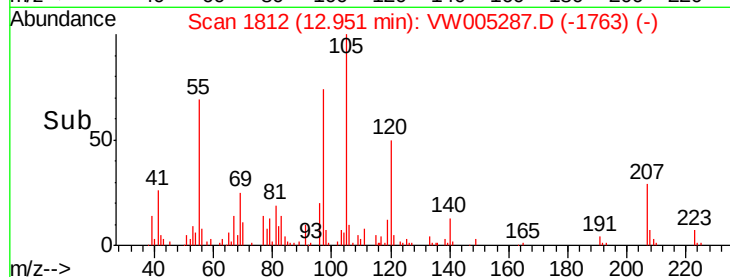
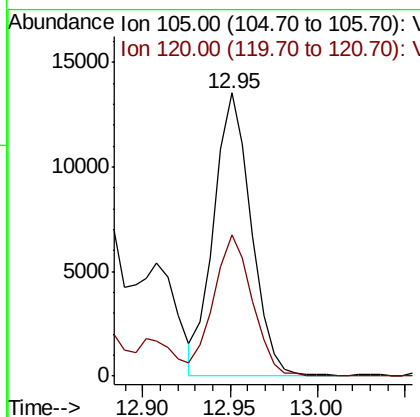
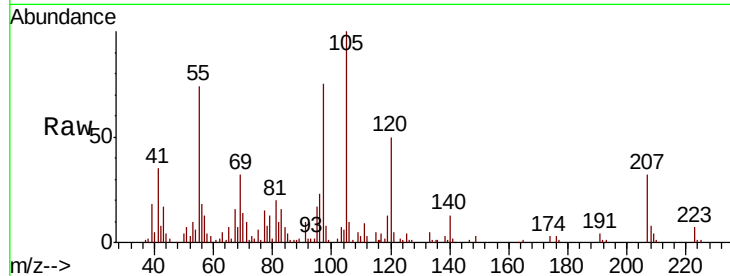




#80
 1,3,5-Trimethylbenzene
 Concen: 1.458 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

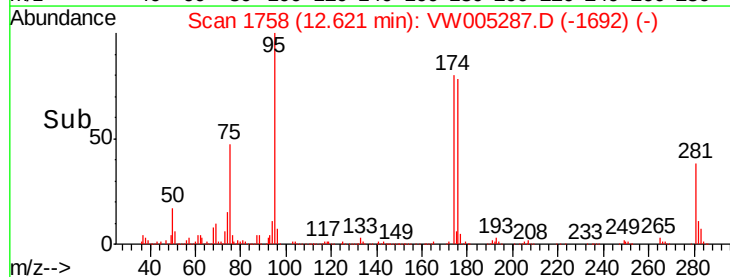
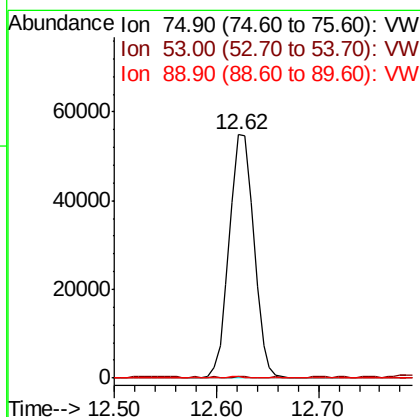
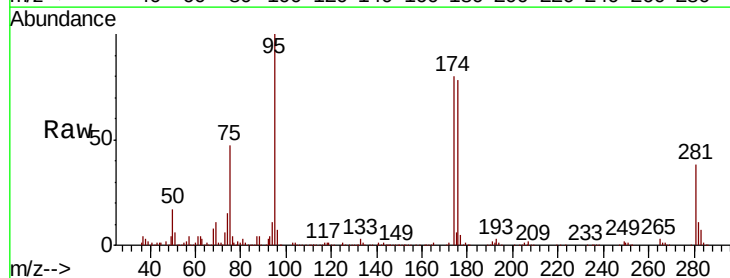
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-3

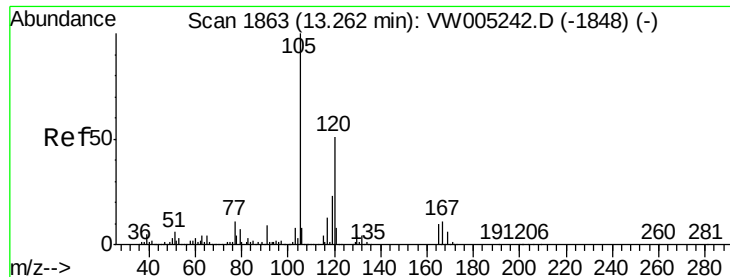
Tgt Ion: 105 Resp: 20121
 Ion Ratio Lower Upper
 105 100
 120 51.5 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.428 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

Tgt Ion: 75 Resp: 92085
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.0 100.6#
 89 0.3 37.0 55.4#

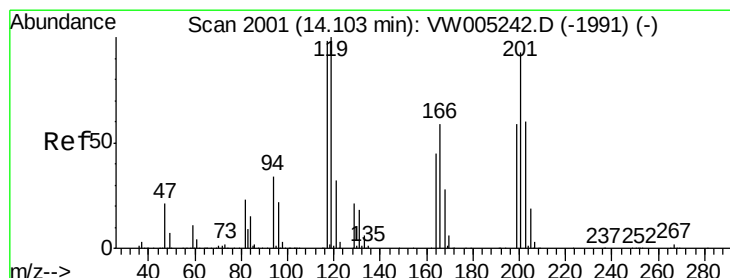
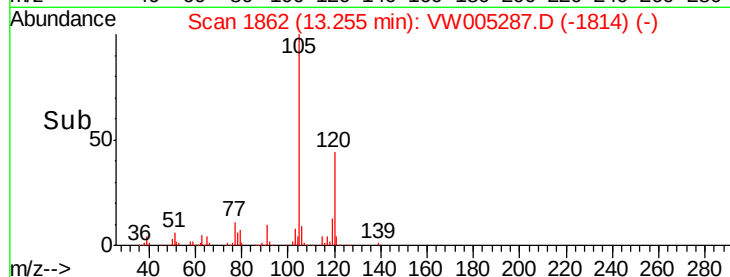
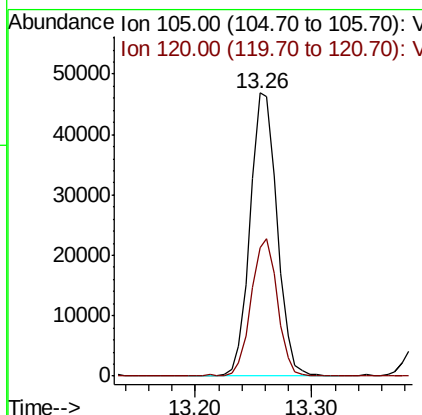
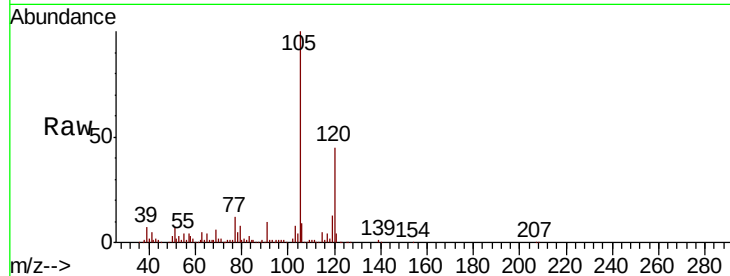




#84
 1,2,4-Trimethylbenzene
 Concen: 5.449 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

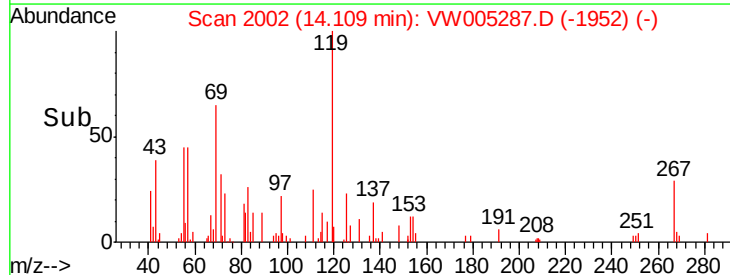
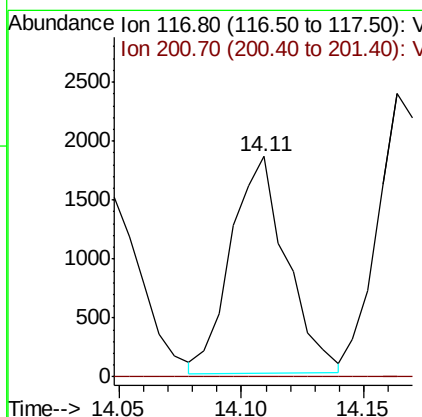
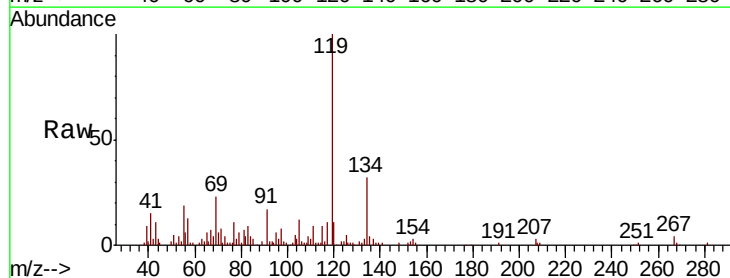
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-3

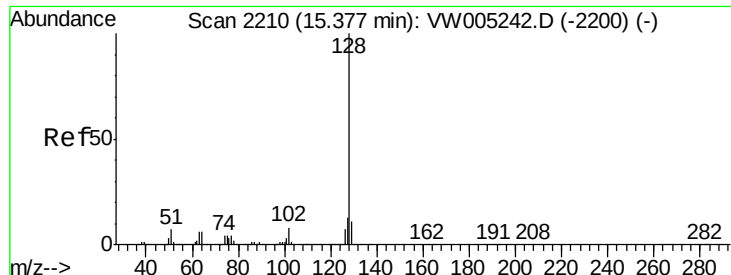
Tgt Ion:105 Resp: 75549
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.4 70.3



#90
 Hexachloroethane
 Concen: 1.182 ug/l
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: VW005287.D
 Acq: 11 Sep 2018 20:08

Tgt Ion:117 Resp: 2908
 Ion Ratio Lower Upper
 117 100
 201 0.0 44.0 132.1#

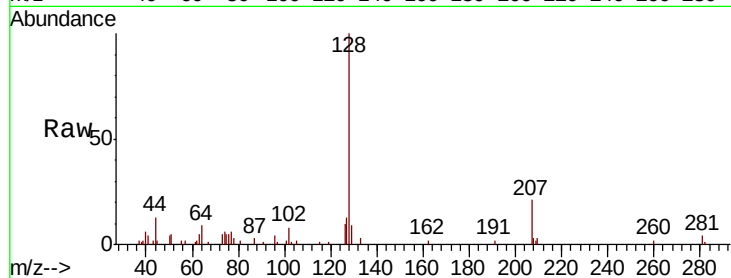




#95
Naphthalene
Concen: 1.201 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005287.D
Acq: 11 Sep 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	12.0	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

