

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007049.D
 Acq On : 26 Nov 2018 15:59
 Operator : VAY/AP
 Sample : J6003-15
 Misc : 6.62G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NON-UST-05A

Quant Time: Nov 27 05:25:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	184951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	179595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	92762	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	52030	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
35) Dibromofluoromethane	7.89	113	47166	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	10.33	98	212369	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.62	95	84166	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

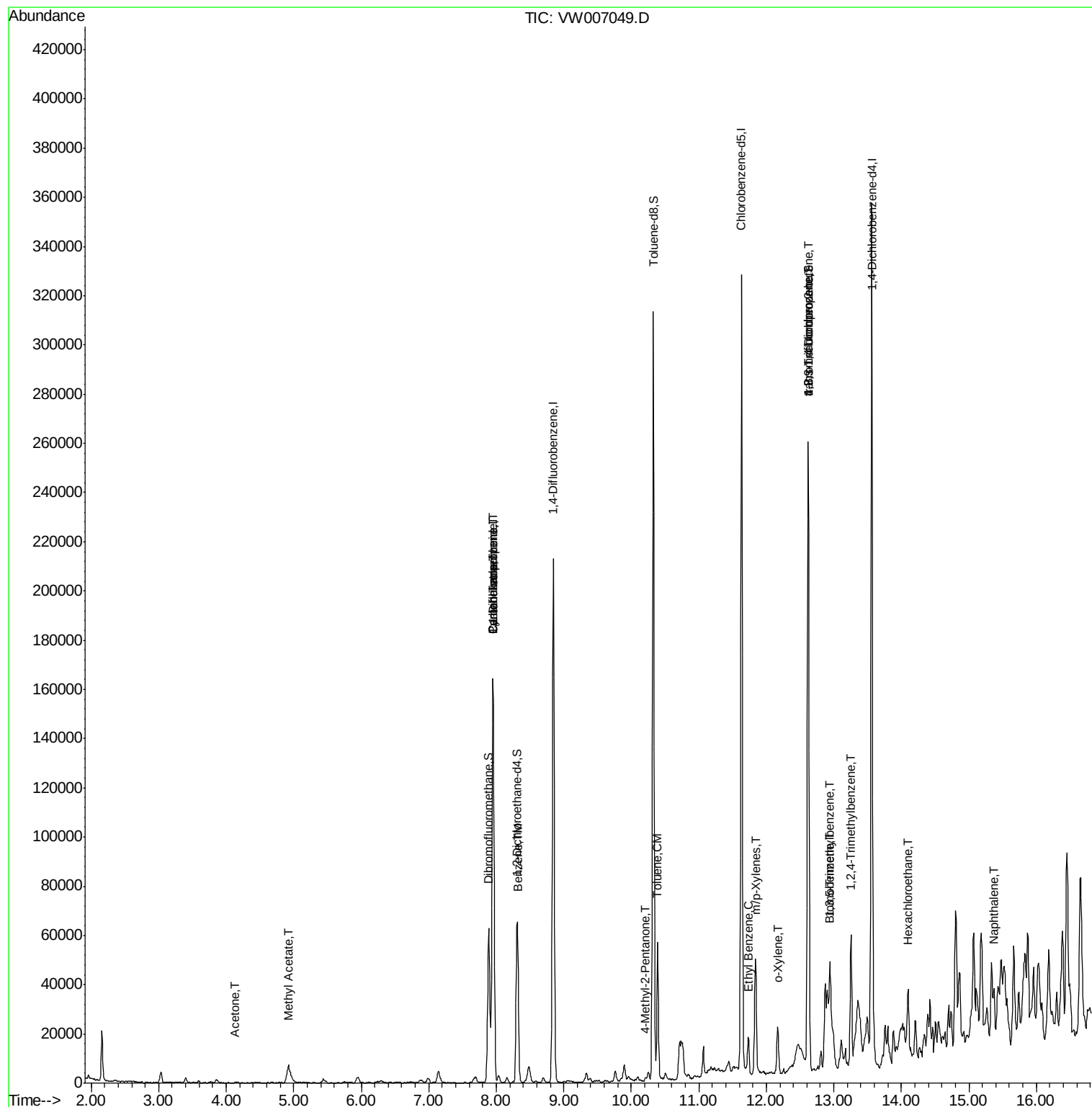
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	983	5.727	ug/l	93
18) Methyl Acetate	4.92	43	1008	1.649	ug/l #	50
20) Methylene Chloride	4.93	84	4619	Below Cal		90
31) Cyclohexane	7.95	56	3262	1.433	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	9214	5.098	ug/l #	50
38) Carbon Tetrachloride	7.96	117	12549	7.251	ug/l #	18
40) Benzene	8.32	78	5894	1.208	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	692	1.097	ug/l	92
52) Toluene	10.39	92	23657	7.125	ug/l	99
67) Ethyl Benzene	11.73	91	10160	1.475	ug/l	98
68) m/p-Xylenes	11.84	106	14725	5.450	ug/l	98
69) o-Xylene	12.17	106	5166	2.028	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	41630	57.112	ug/l #	100
77) Bromobenzene	12.93	156	35620	23.004	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	8152	1.308	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	41630	143.385	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	29470	4.745	ug/l	96
90) Hexachloroethane	14.10	117	1549	1.577	ug/l #	14
95) Naphthalene	15.38	128	16195	4.885	ug/l #	96

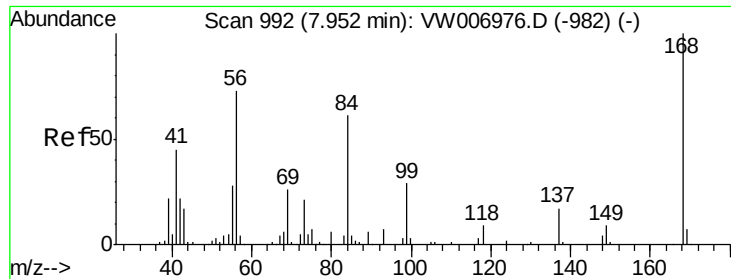
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007049.D

Acq: 26 Nov 2018 15:59

Instrument :

MSVOA_W

ClientSampleId :

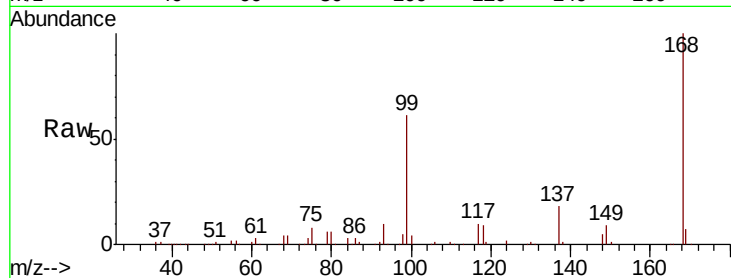
NON-UST-05A

Tot Ion:168 Resp: 120752

Ion Ratio Lower Upper

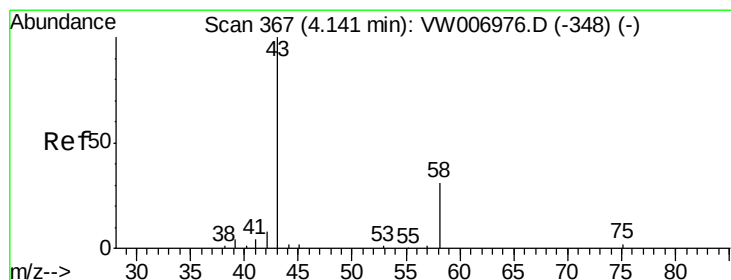
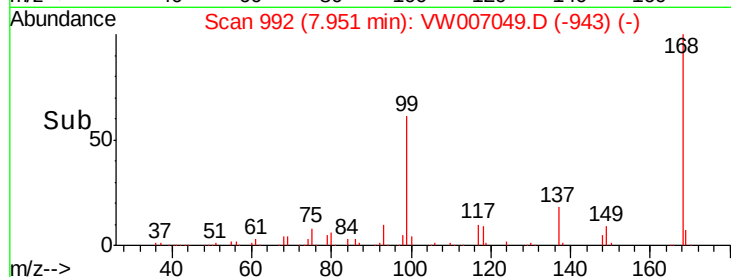
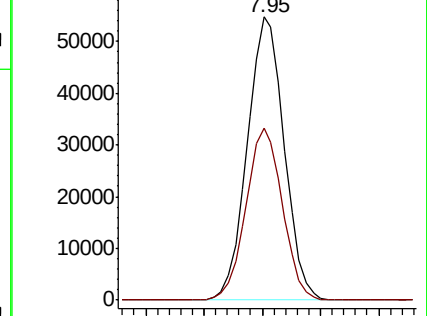
168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 5.727 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW007049.D

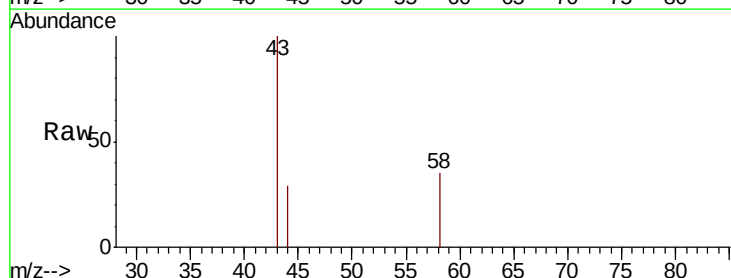
Acq: 26 Nov 2018 15:59

Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

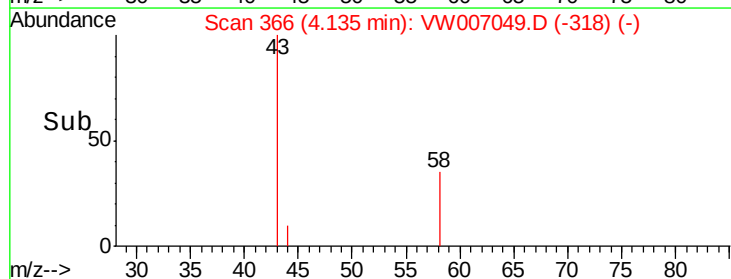
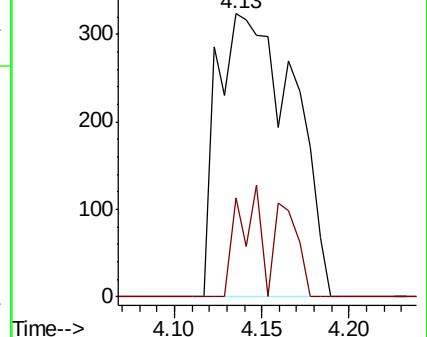
43 100

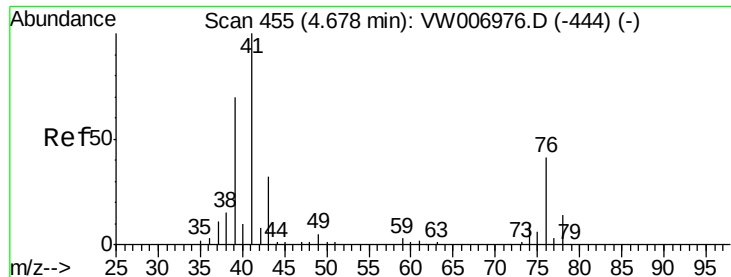
58 35.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

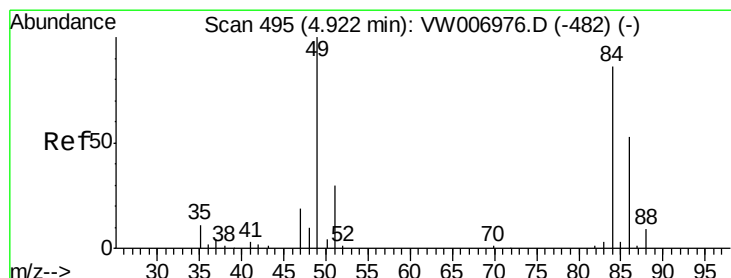
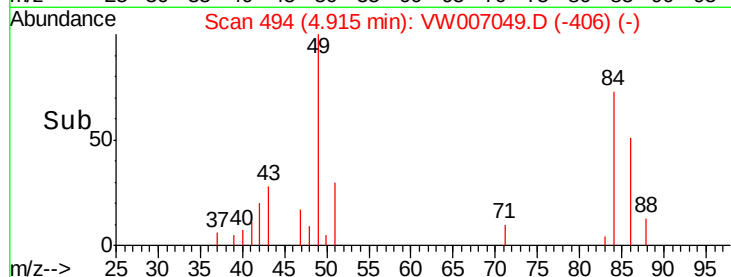
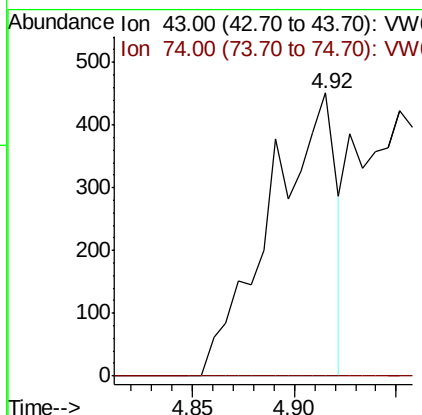
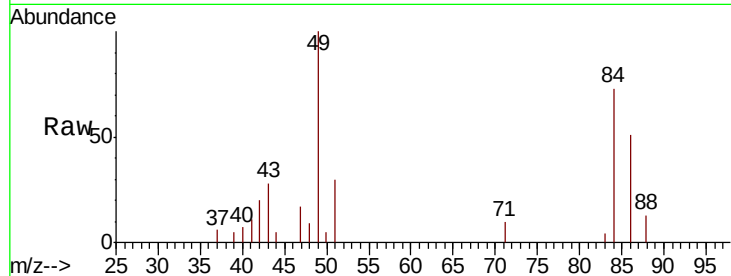




#18
Methyl Acetate
Concen: 1.649 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.24 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

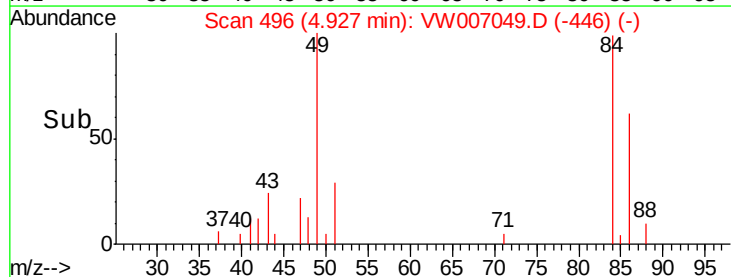
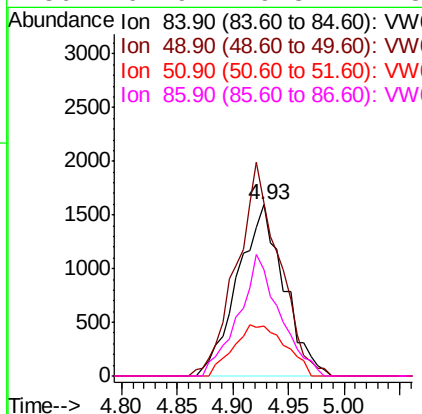
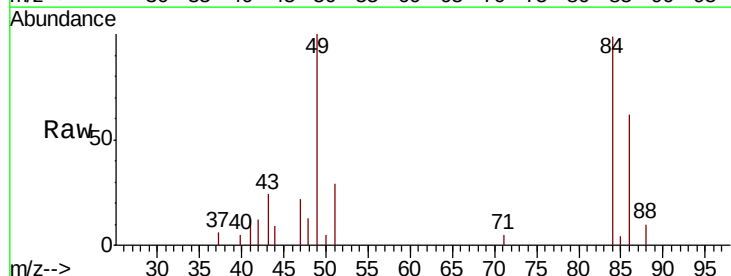
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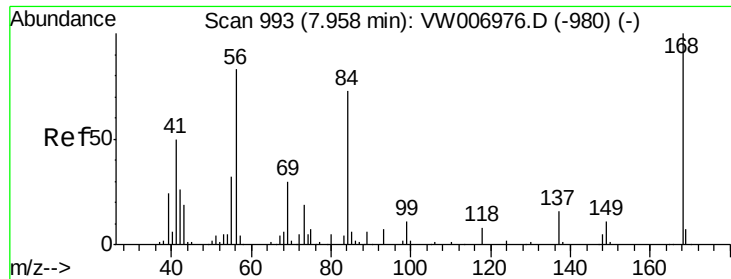
Tot Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Tgt Ion: 84 Resp: 4619
Ion Ratio Lower Upper
84 100
49 100.6 93.4 140.0
51 29.4 28.4 42.6
86 61.9 49.8 74.8

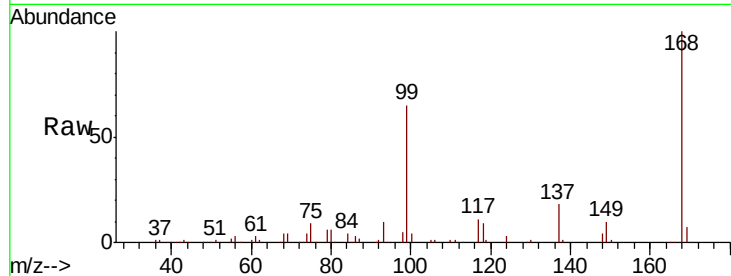




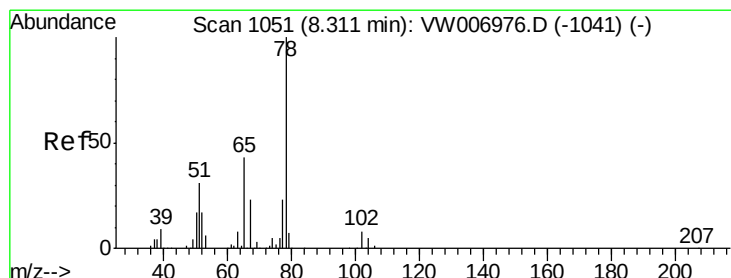
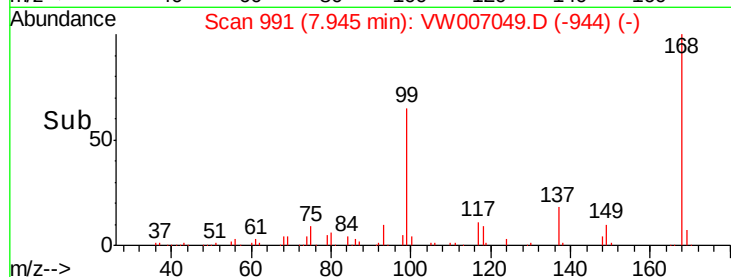
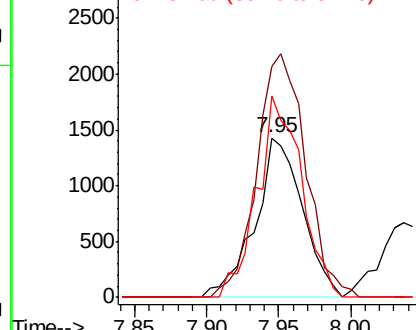
#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Instrument :
MSVOA_W
ClientSampleId :
NON-UST-05A

Tot Ion: 56 Resp: 3262
Ion Ratio Lower Upper
56 100
69 145.1 29.1 43.7#
84 126.7 70.6 105.8#

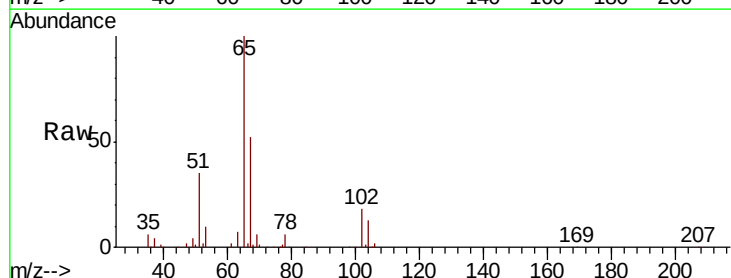


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

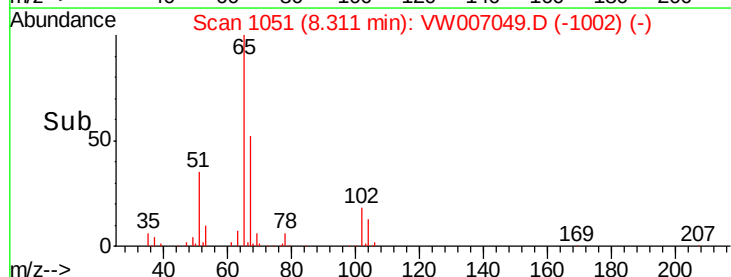
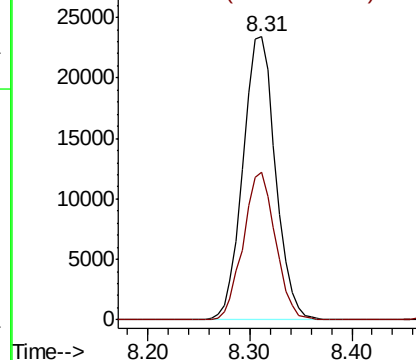


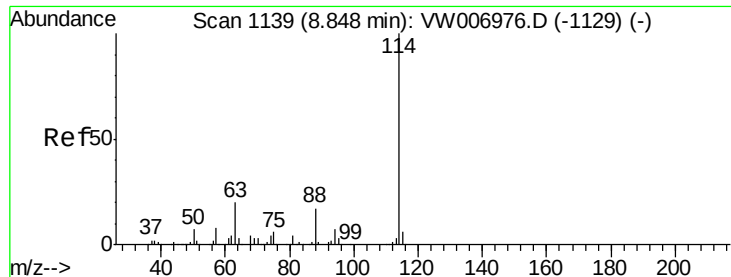
#33
1,2-Dichloroethane-d4
Concen: 44.012 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Tgt Ion: 65 Resp: 52030
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.2



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: VW007049.D

Acq: 26 Nov 2018 15:59

Instrument :

MSVOA_W

ClientSampleId :

NON-UST-05A

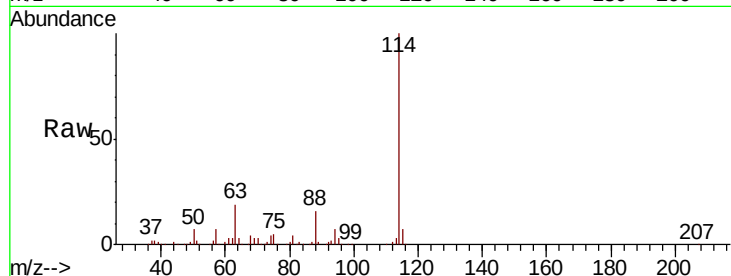
Tot Ion:114 Resp: 184951

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

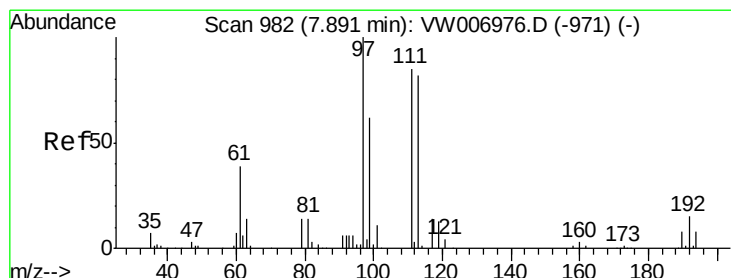
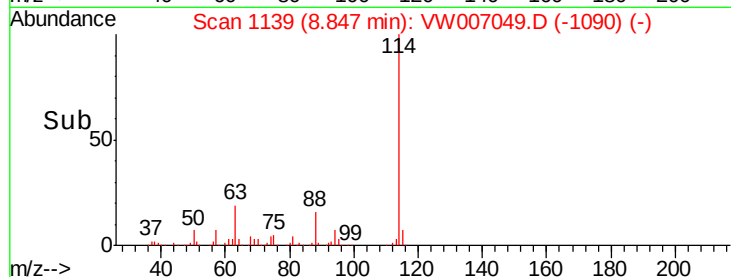
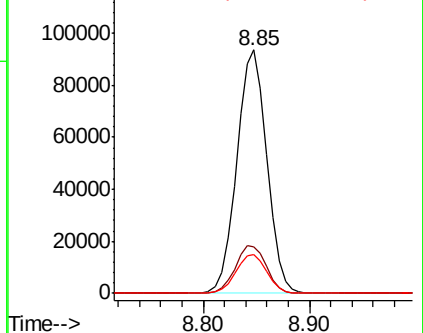
88 16.1 0.0 34.2



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: 45.158 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007049.D

Acq: 26 Nov 2018 15:59

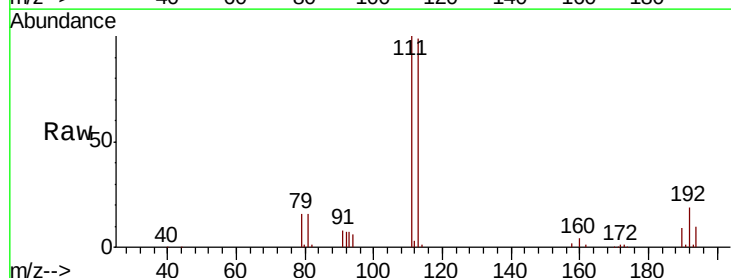
Tgt Ion:113 Resp: 47166

Ion Ratio Lower Upper

113 100

111 100.8 81.0 121.6

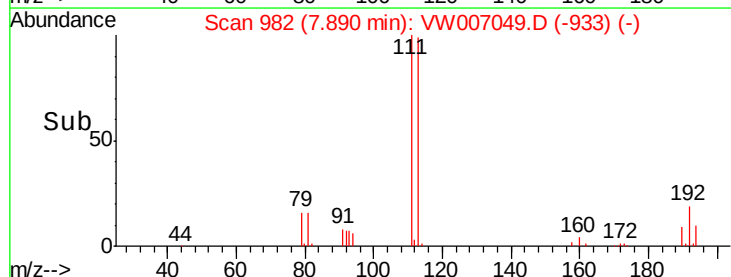
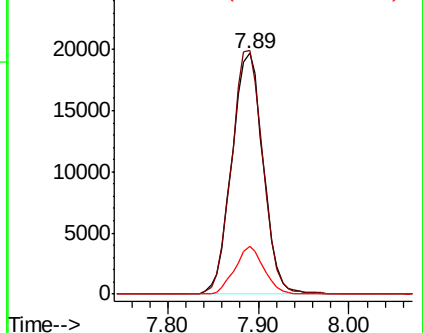
192 18.3 15.0 22.6

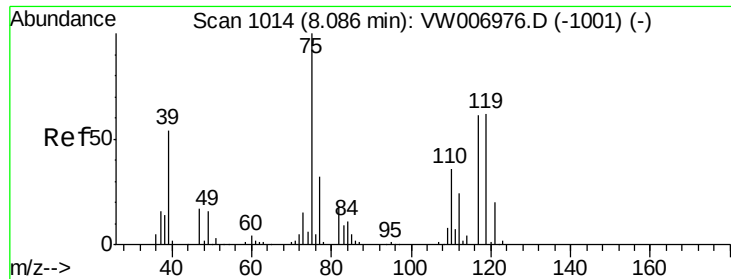


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

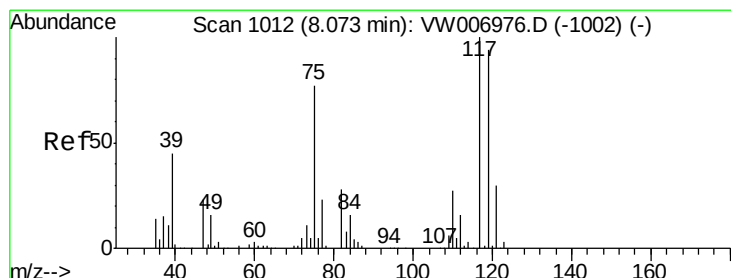
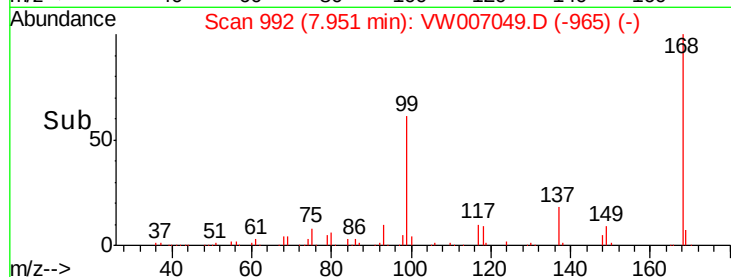
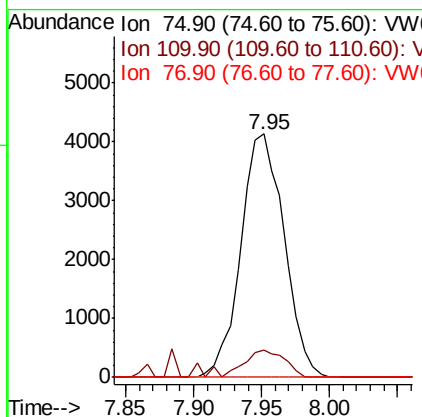
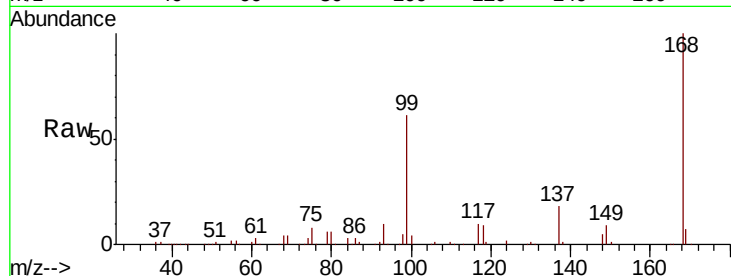




#36
 1,1-Dichloropropene
 Concen: 5.098 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007049.D
 Acq: 26 Nov 2018 15:59

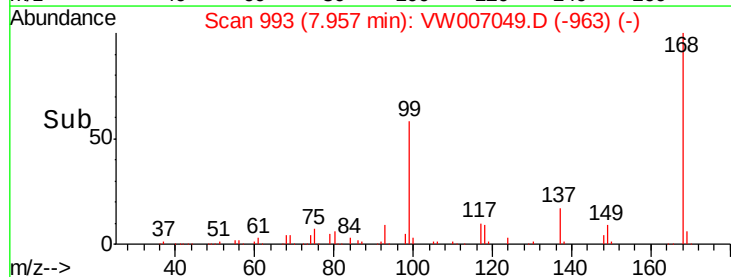
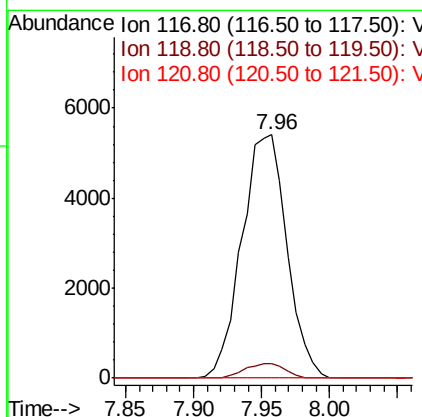
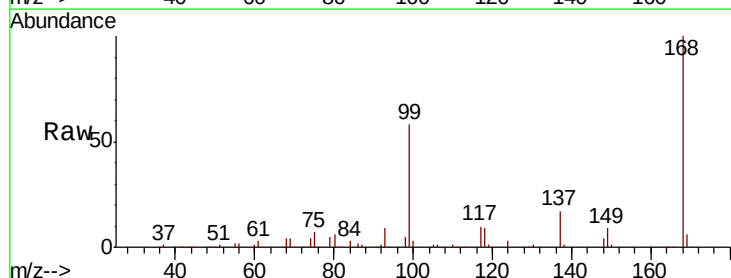
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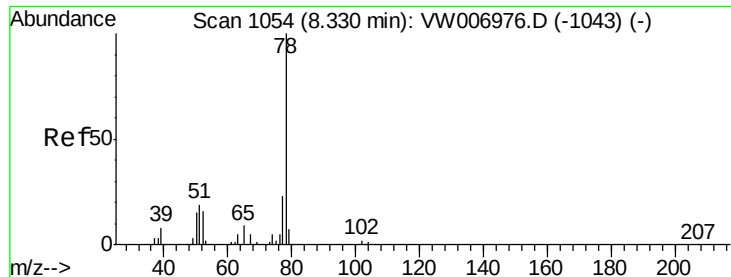
Tot Ion: 75 Resp: 9214
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.0 54.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 7.251 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW007049.D
 Acq: 26 Nov 2018 15:59

Tgt Ion: 117 Resp: 12549
 Ion Ratio Lower Upper
 117 100
 119 5.8 74.9 112.3#
 121 0.0 23.6 35.4#





#40

Benzene

Concen: 1.208 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW007049.D

Acq: 26 Nov 2018 15:59

Instrument :

MSVOA_W

ClientSampleId :

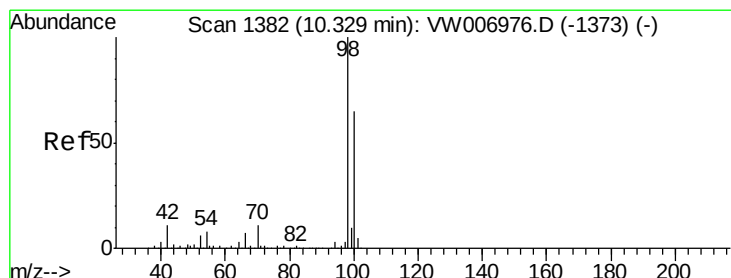
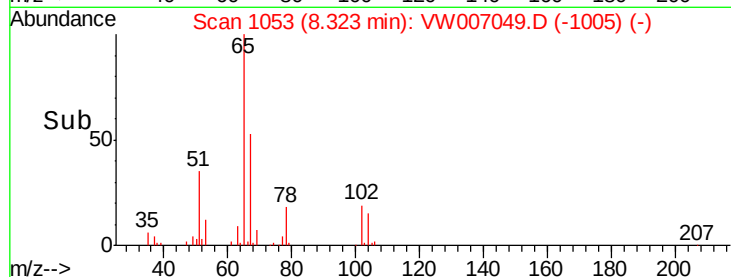
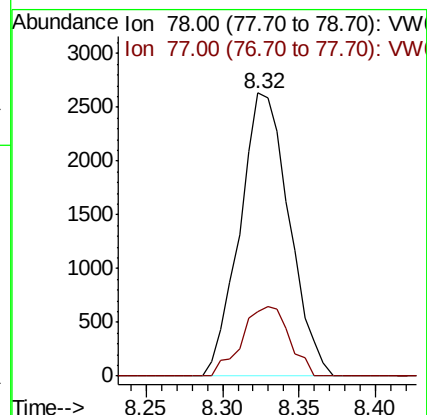
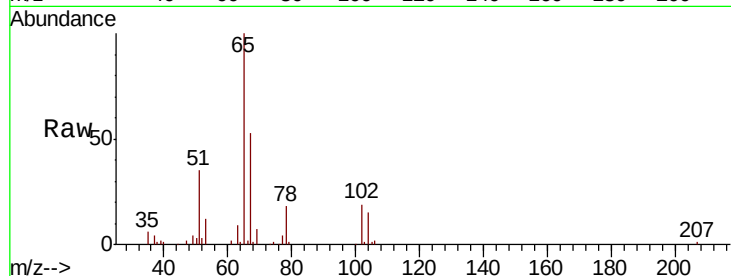
NON-UST-05A

Tot Ion: 78 Resp: 5894

Ion Ratio Lower Upper

78 100

77 22.8 18.6 28.0



#50

Toluene-d8

Concen: 46.045 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007049.D

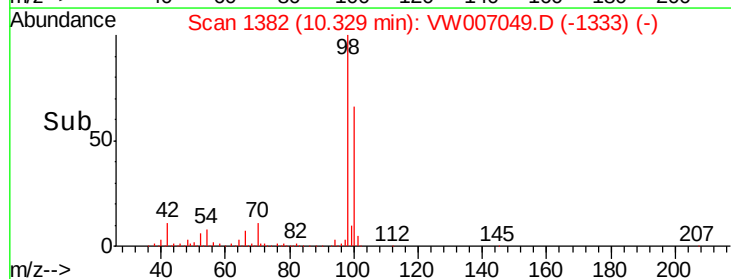
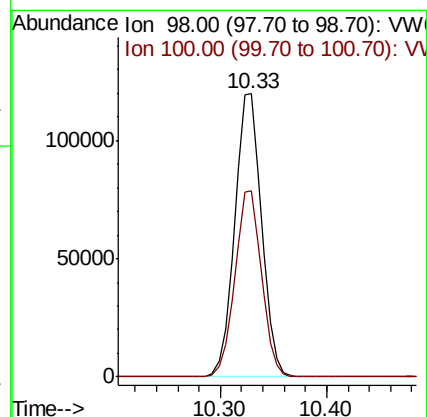
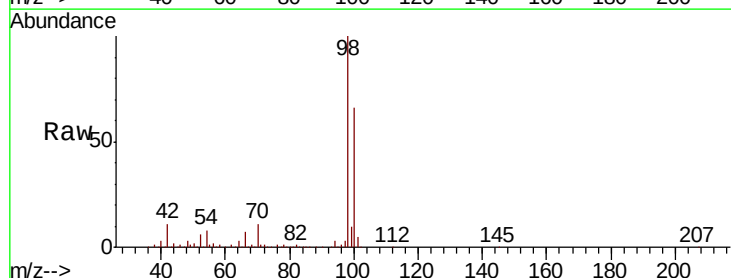
Acq: 26 Nov 2018 15:59

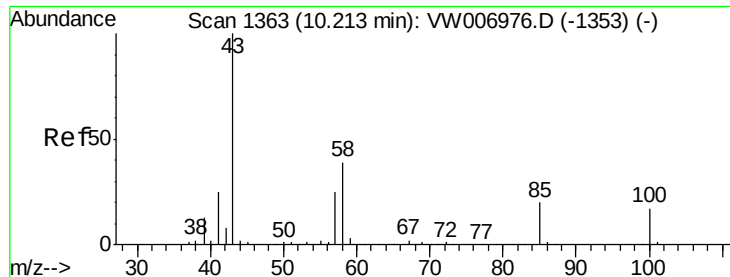
Tgt Ion: 98 Resp: 212369

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2

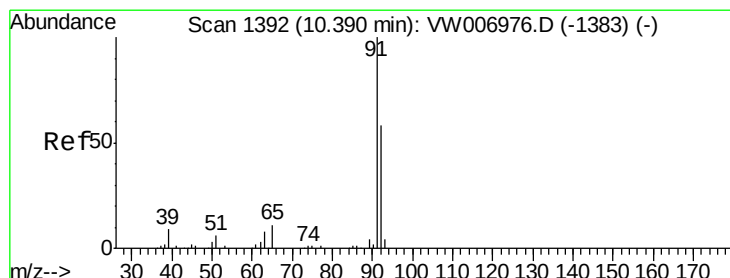
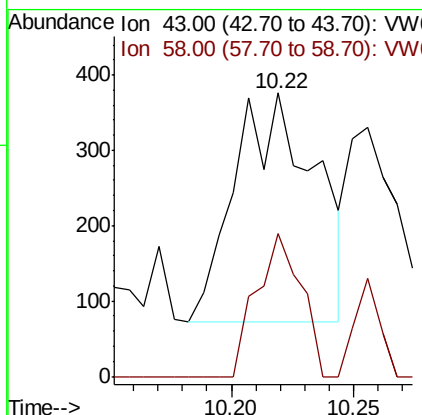
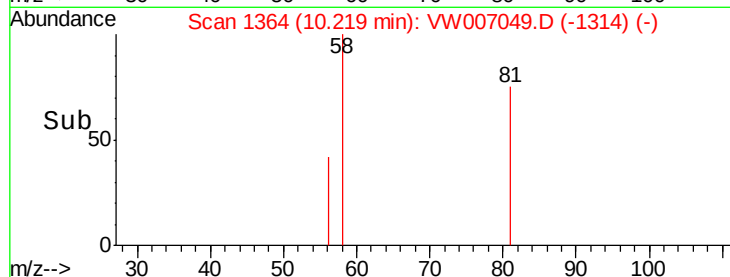
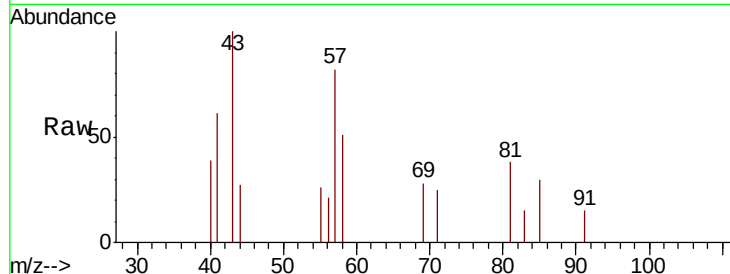




#51
4-Methyl-2-Pentanone
Concen: 1.097 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

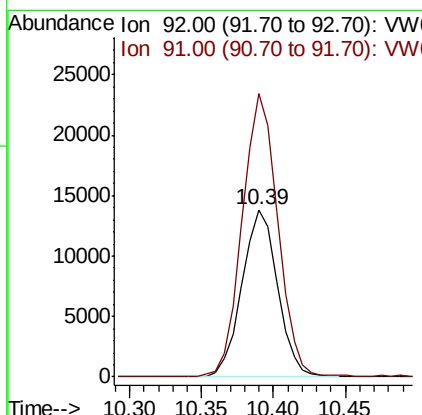
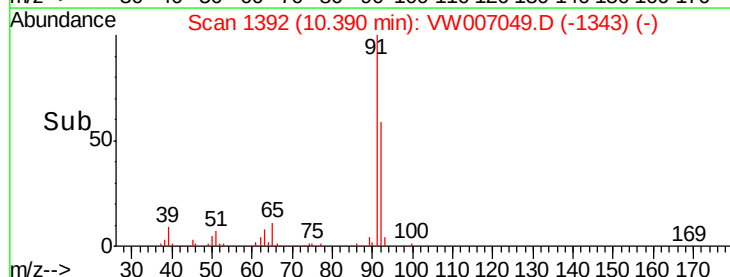
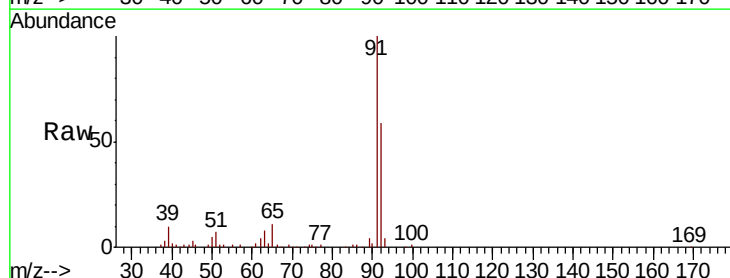
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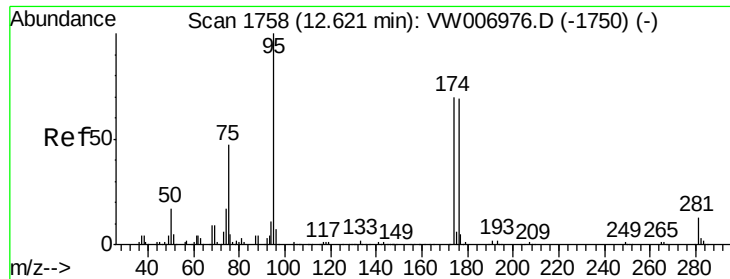
Tot Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
58 35.0 31.8 47.6



#52
Toluene
Concen: 7.125 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Tgt Ion: 92 Resp: 23657
Ion Ratio Lower Upper
92 100
91 169.6 137.3 205.9

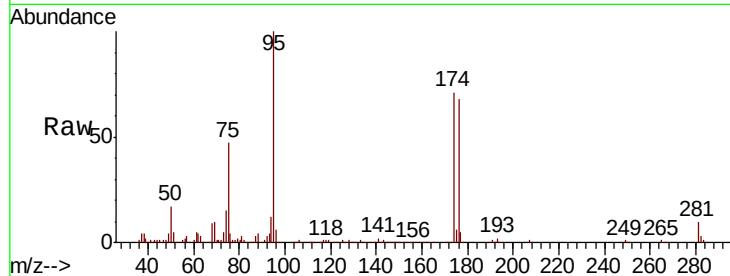




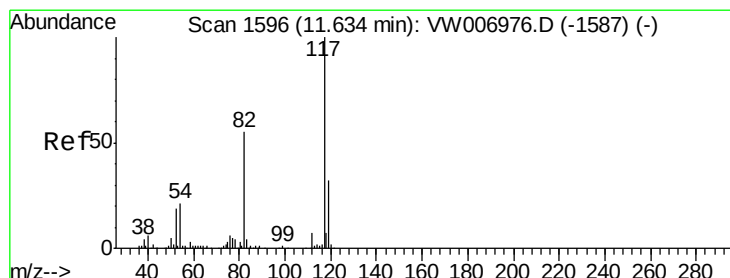
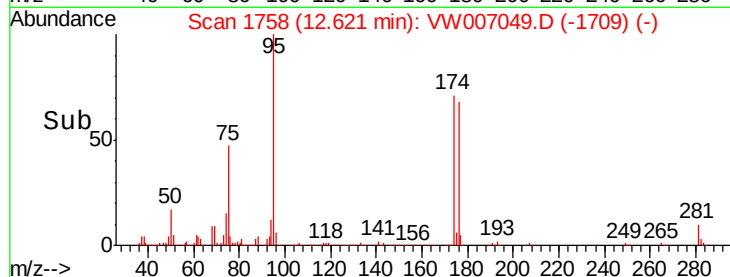
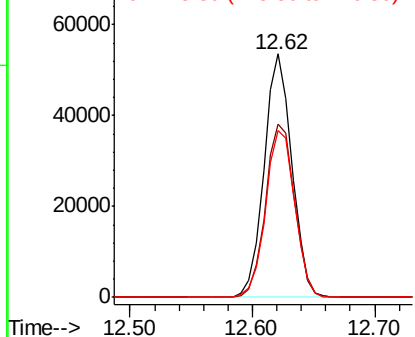
#62
4-Bromofluorobenzene
Concen: 46.373 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Instrument :
MSVOA_W
ClientSampleId :
NON-UST-05A

Tot Ion	95	Resp	84166
Ion Ratio	100		
Lower			
Upper			
174	74.5	0.0	143.6
176	72.0	0.0	140.4

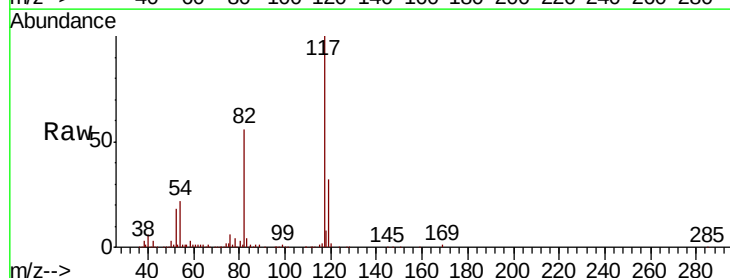


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

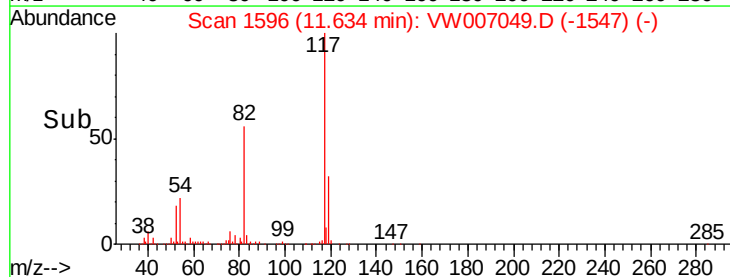
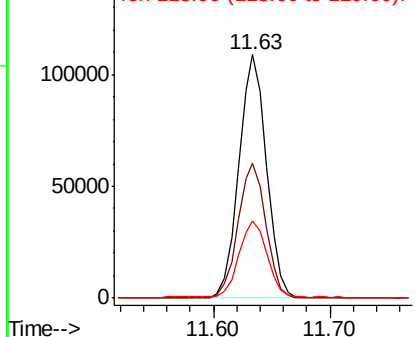


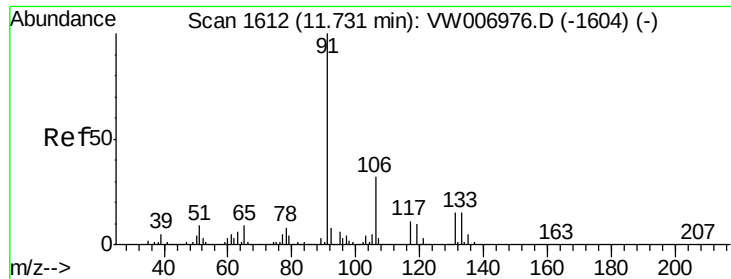
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Tgt Ion	117	Resp	179595
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	55.6	44.2	66.2
119	31.4	25.9	38.9



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

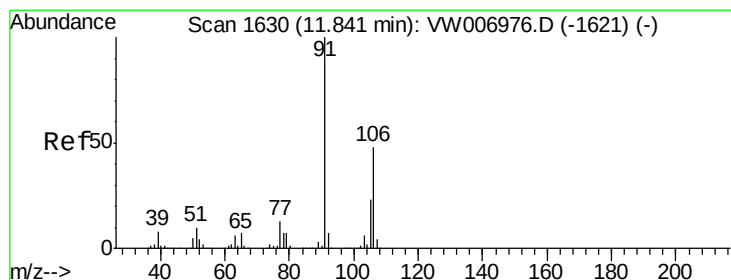
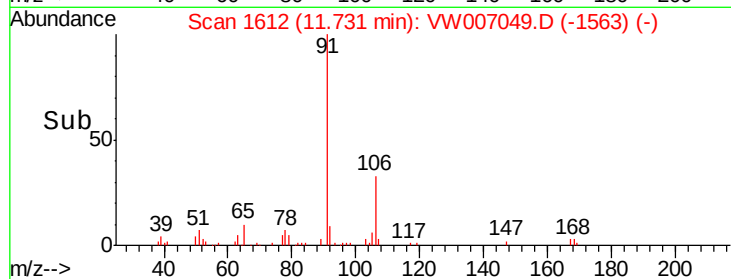
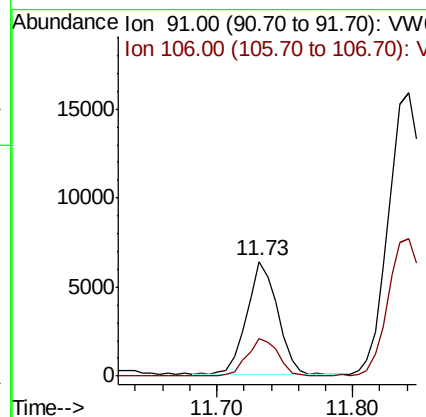
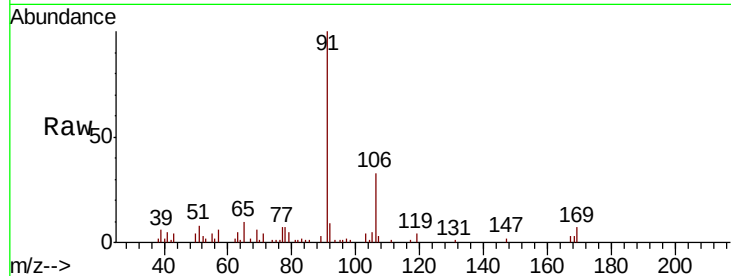




#67
Ethyl Benzene
Concen: 1.475 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

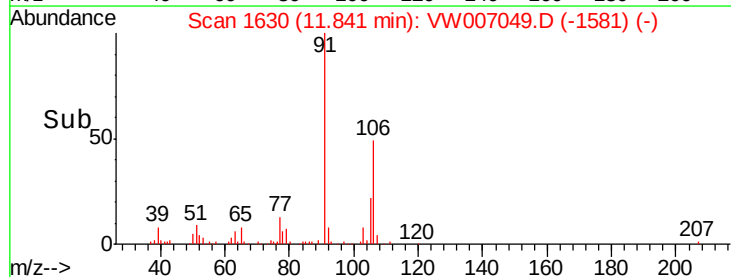
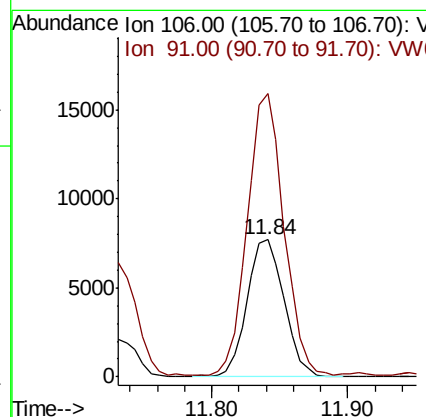
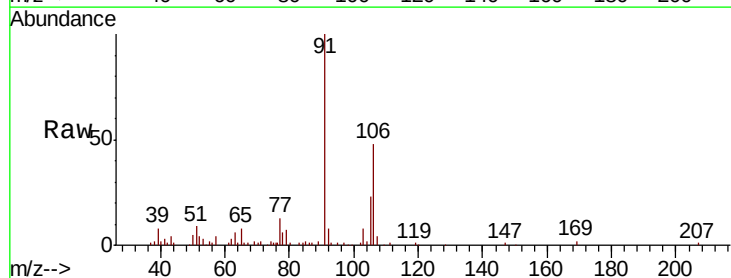
Instrument :
MSVOA_W
ClientSampleId :
NON-UST-05A

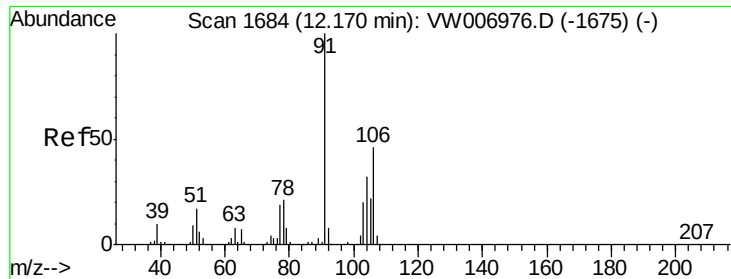
Tot Ion: 91 Resp: 10160
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.2



#68
m/p-Xylenes
Concen: 5.450 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Tgt Ion:106 Resp: 14725
Ion Ratio Lower Upper
106 100
91 202.4 164.8 247.2

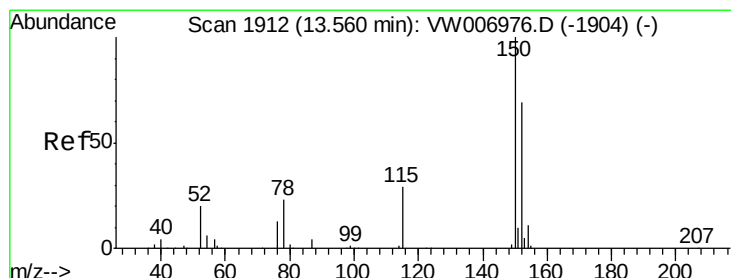
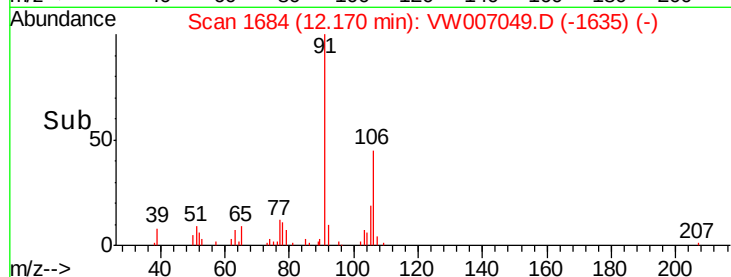
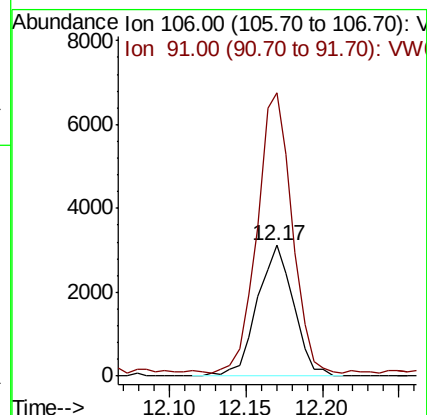
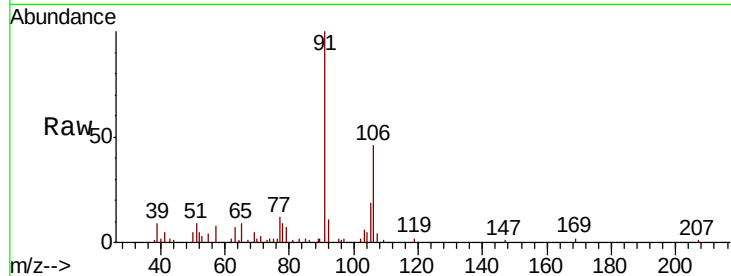




#69
o-Xylene
Concen: 2.028 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

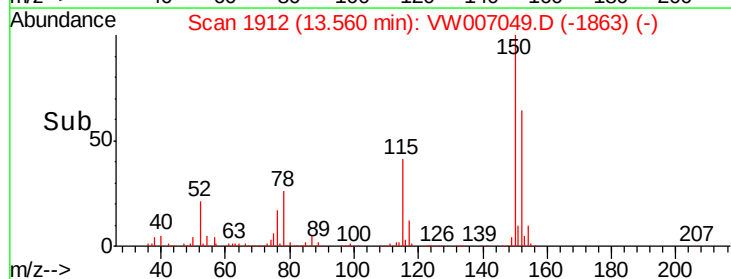
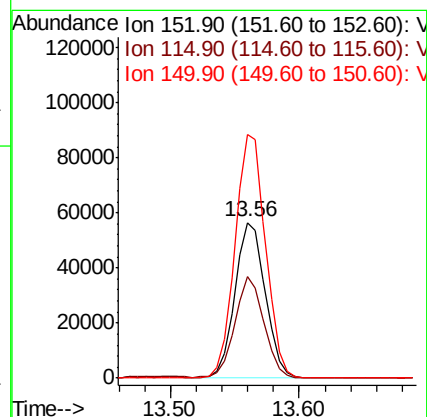
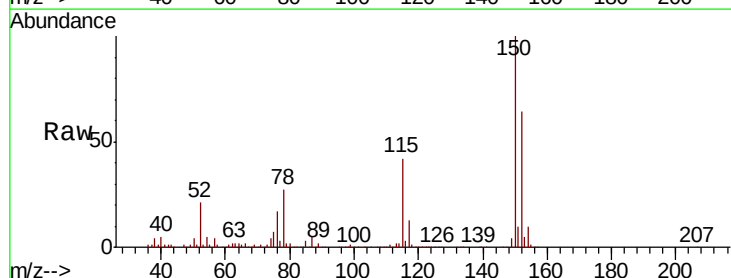
Instrument :
MSVOA_W
ClientSampleId :
NON-UST-05A

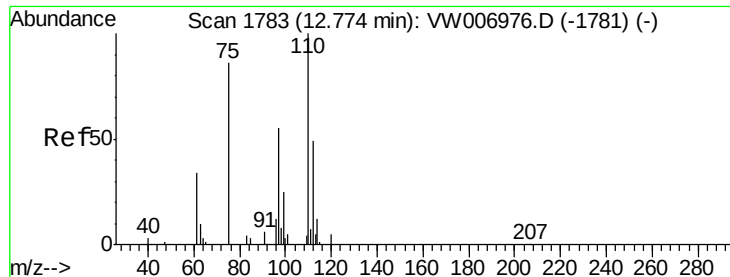
Tot Ion:106 Resp: 5166
Ion Ratio Lower Upper
106 100
91 205.9 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Tgt Ion:152 Resp: 92762
Ion Ratio Lower Upper
152 100
115 62.5 31.4 94.2
150 156.6 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 57.112 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007049.D

Acq: 26 Nov 2018 15:59

Instrument :

MSVOA_W

ClientSampleId :

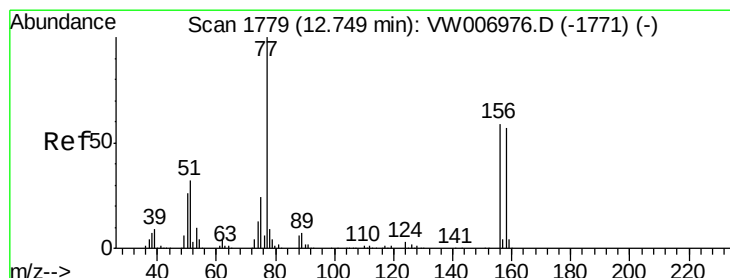
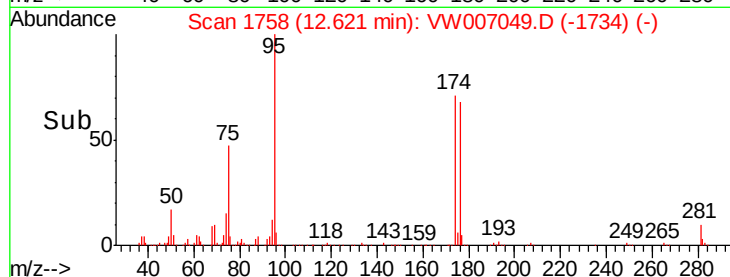
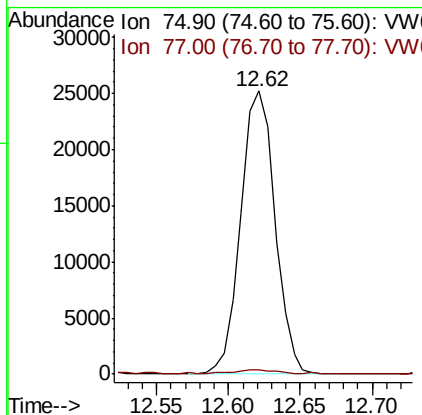
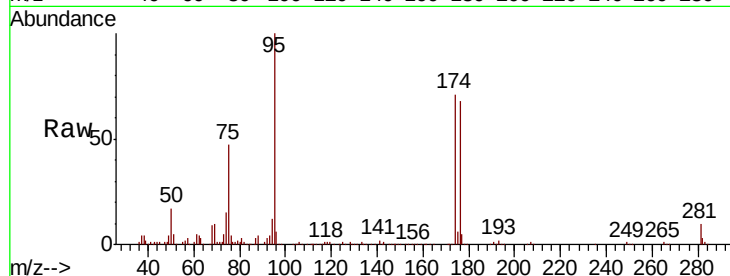
NON-UST-05A

Tot Ion: 75 Resp: 41630

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#77

Bromobenzene

Concen: 23.004 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW007049.D

Acq: 26 Nov 2018 15:59

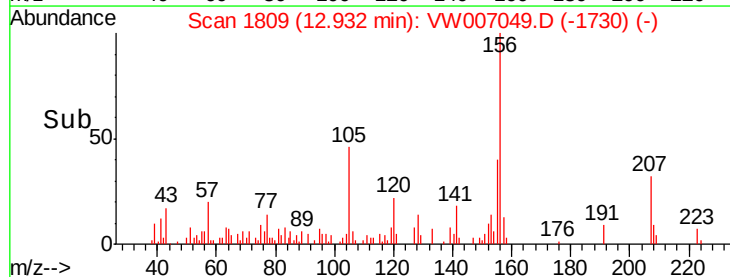
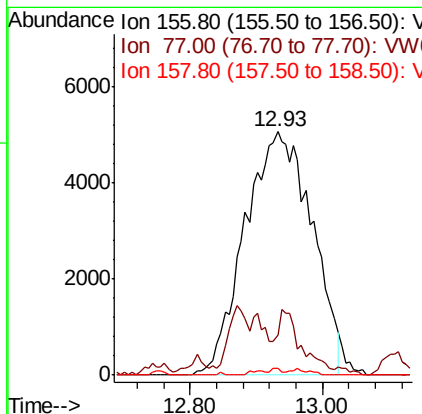
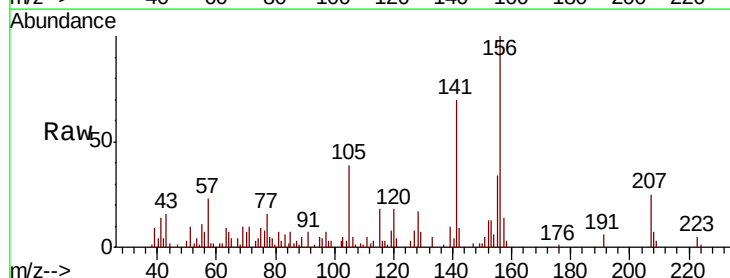
Tgt Ion: 156 Resp: 35620

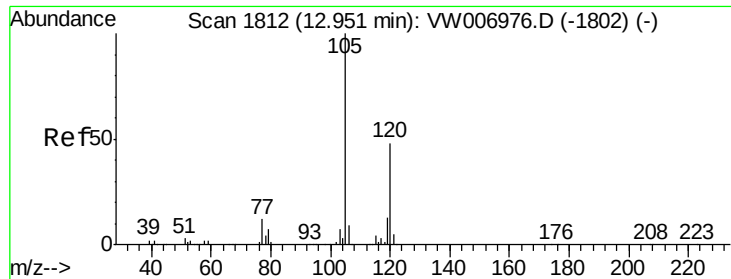
Ion Ratio Lower Upper

156 100

77 7.8 94.6 283.8#

158 0.4 48.9 146.7#

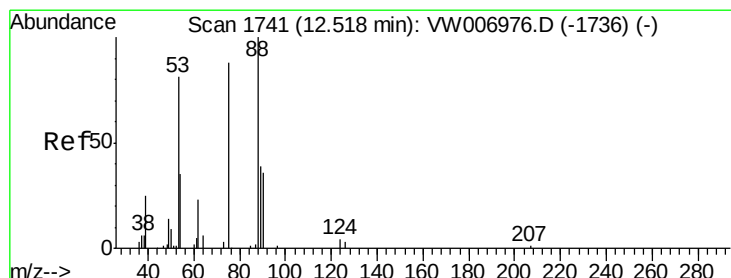
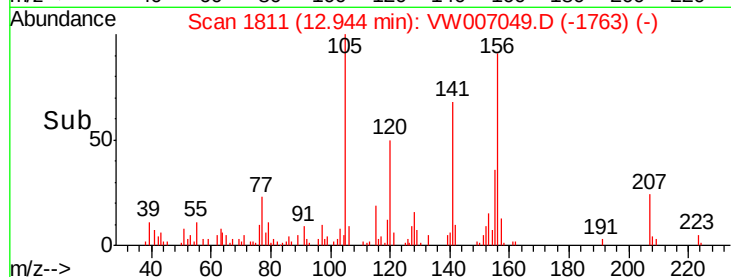
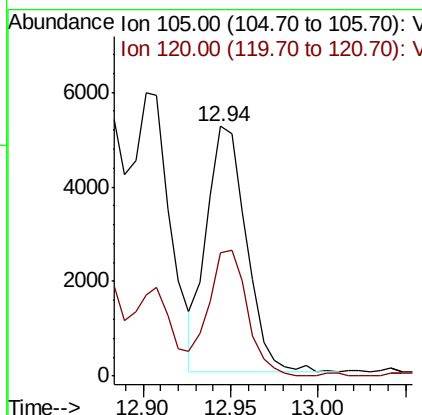
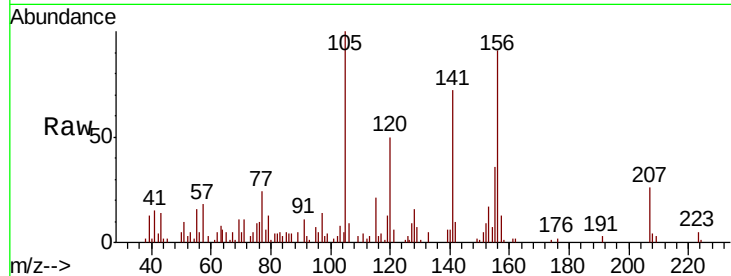




#80
 1,3,5-Trimethylbenzene
 Concen: 1.308 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW007049.D
 Acq: 26 Nov 2018 15:59

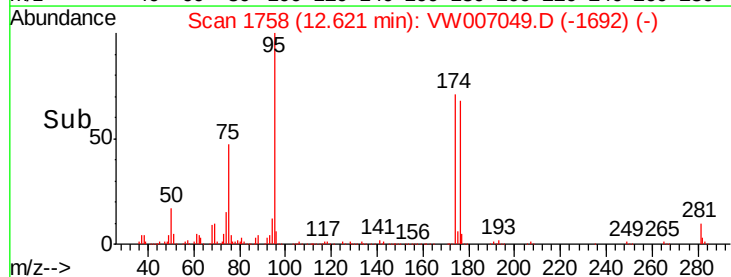
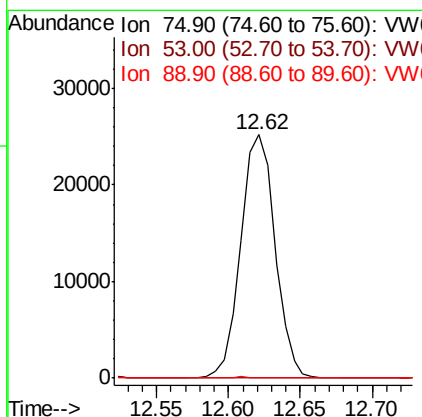
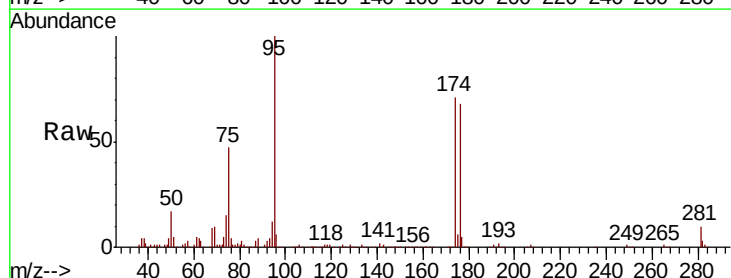
Instrument :
 MSVOA_W
 ClientSampleId :
 NON-UST-05A

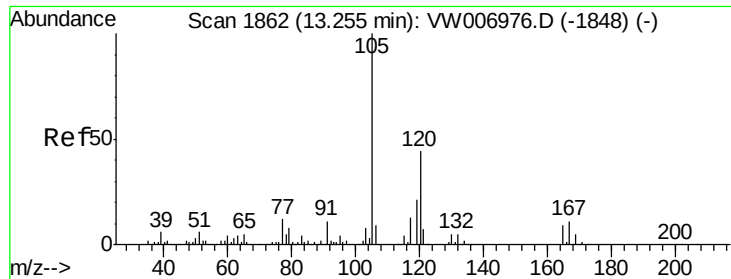
Tot Ion: 105 Resp: 8152
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.385 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007049.D
 Acq: 26 Nov 2018 15:59

Tgt Ion: 75 Resp: 41630
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 39.3 58.9#

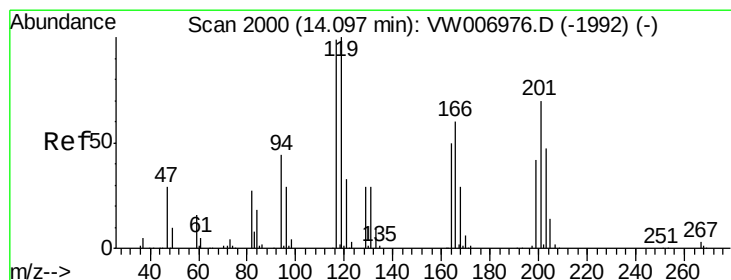
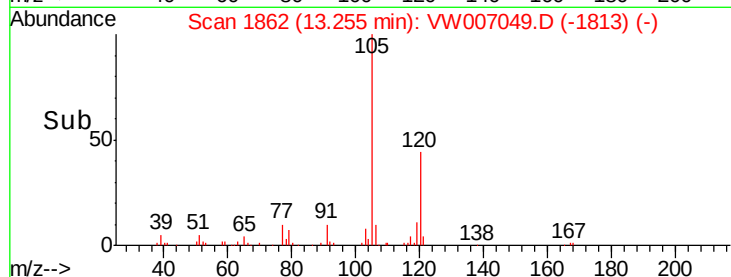
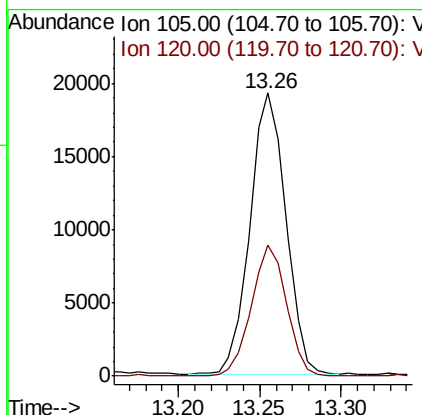
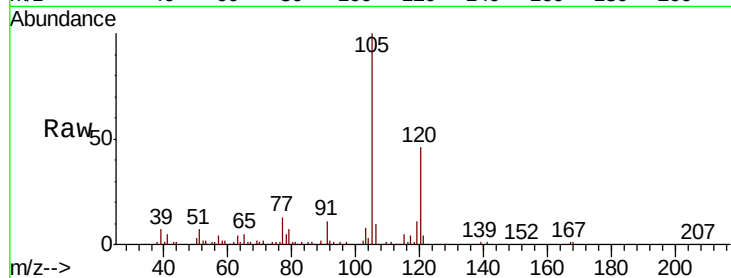




#84
 1,2,4-Trimethylbenzene
 Concen: 4.745 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007049.D
 Acq: 26 Nov 2018 15:59

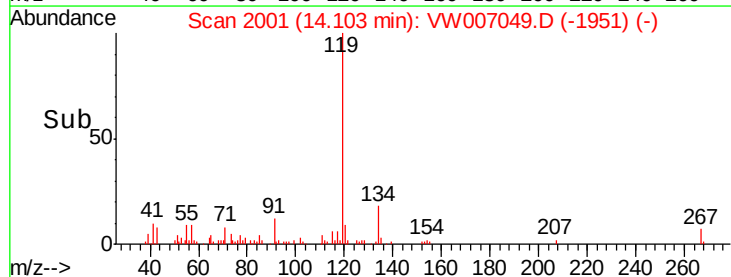
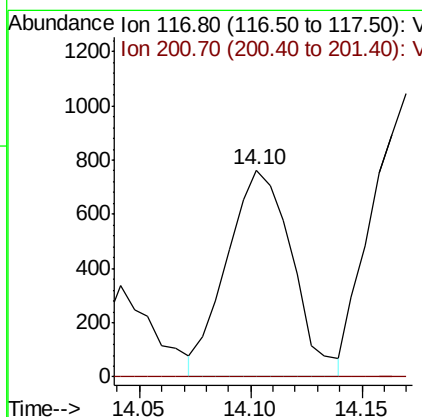
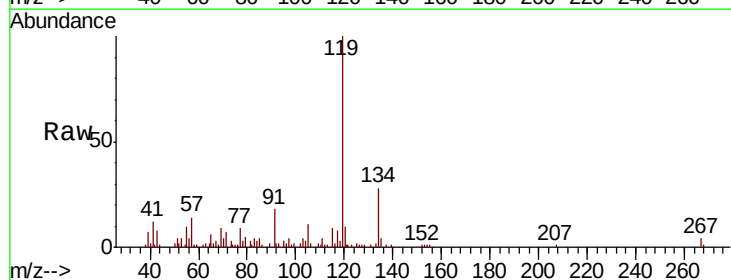
Instrument :
 MSVOA_W
 ClientSampleId :
 NON-UST-05A

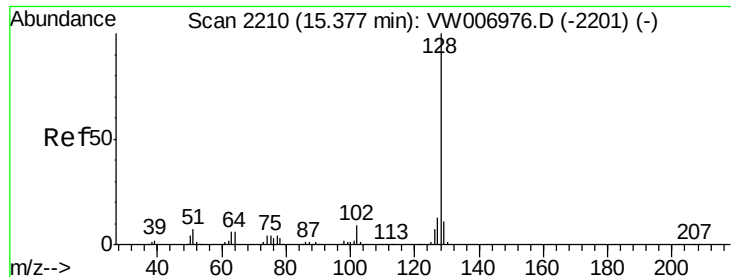
Tot Ion:105 Resp: 29470
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.8 65.3



#90
 Hexachloroethane
 Concen: 1.577 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW007049.D
 Acq: 26 Nov 2018 15:59

Tgt Ion:117 Resp: 1549
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.9 107.5#





#95
Naphthalene
Concen: 4.885 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007049.D
Acq: 26 Nov 2018 15:59

Instrument :
MSVOA_W
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	8.0	8.7	13.1

