

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102918\
 Data File : VW006439.D
 Acq On : 27 Oct 2018 08:17
 Operator : SY/AP
 Sample : J5621-05RE
 Misc : 4.86G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SA-SB-01ARE

Quant Time: Oct 29 04:05:05 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	196928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	272065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	167482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	35458	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	88693	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
35) Dibromofluoromethane	7.89	113	90129	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	10.33	98	299123	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	55516	24.17	ug/l	0.00
Spiked Amount			Recovery	=	48.34%	

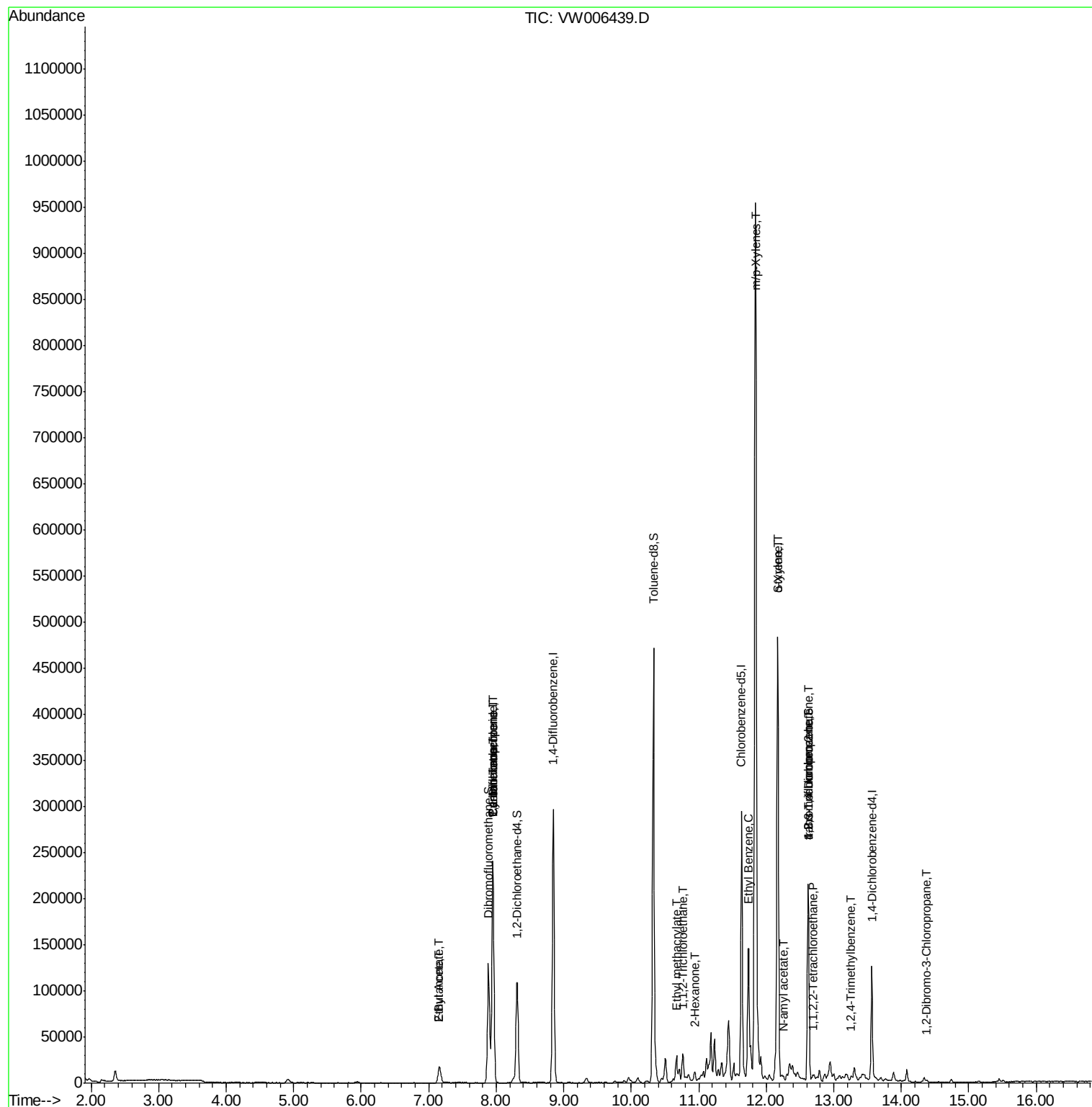
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	906	Below Cal	#	45
25) 2-Butanone	7.15	43	1058	2.399	ug/l #	46
31) Cyclohexane	7.95	56	3613	1.209	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	12560	5.009	ug/l #	48
37) Ethyl Acetate	7.15	43	1058	1.136	ug/l #	5
38) Carbon Tetrachloride	7.95	117	17301	6.293	ug/l #	16
55) 1,1,2-Trichloroethane	10.76	97	12793	9.744	ug/l #	20
56) Ethyl methacrylate	10.67	69	3143	1.953	ug/l #	1
59) 2-Hexanone	10.94	43	3679	5.400	ug/l #	27
67) Ethyl Benzene	11.74	91	99942	16.085	ug/l	99
68) m/p-Xylenes	11.84	106	302674	123.245	ug/l	99
69) o-Xylene	12.17	106	128493	54.899	ug/l	99
70) Styrene	12.17	104	6302	1.656	ug/l #	1
74) N-amyl acetate	12.26	43	1267	2.604	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.69	83	560	1.470	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	28023	103.471	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28023	247.337	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	2443	1.143	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	14.37	75	225	3.298	ug/l #	1

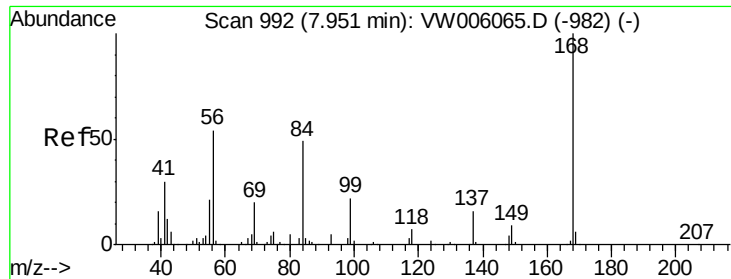
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Instrument :

MSVOA_W

ClientSampleId :

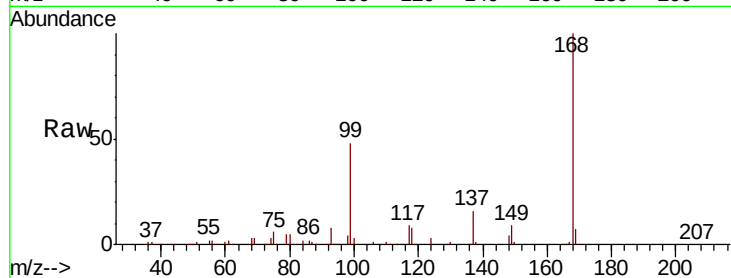
SA-SB-01ARE

Tot Ion:168 Resp: 196928

Ion Ratio Lower Upper

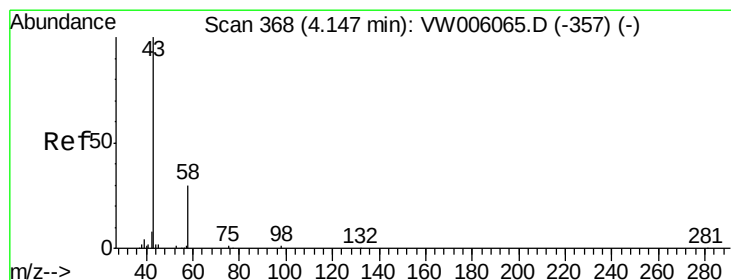
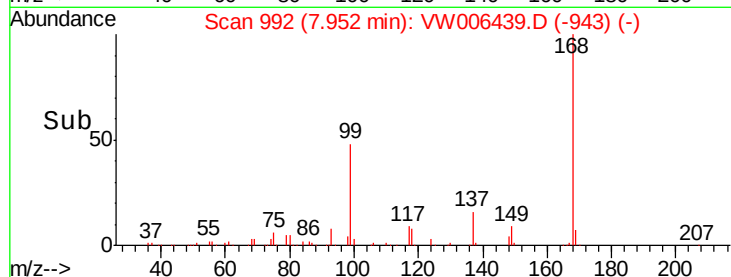
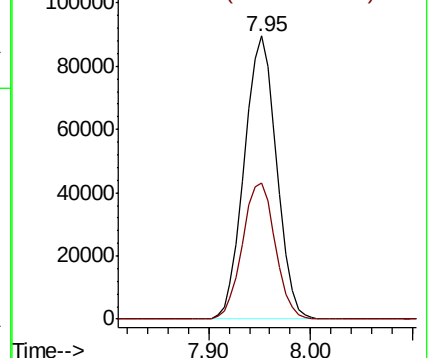
168 100

99 48.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006439.D

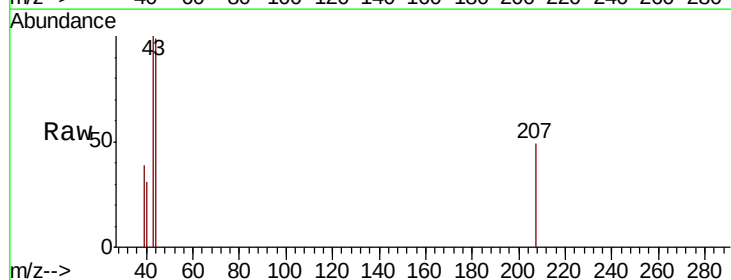
Acq: 27 Oct 2018 08:17

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

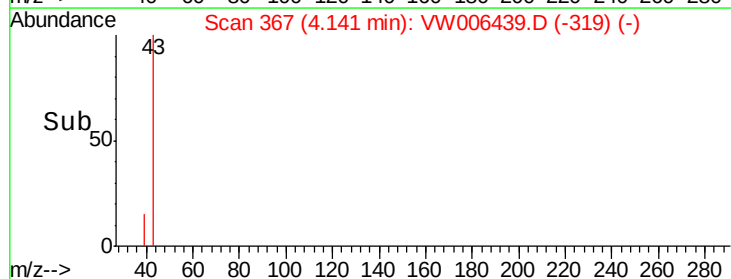
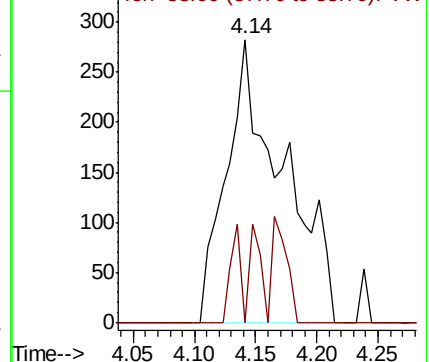
43 100

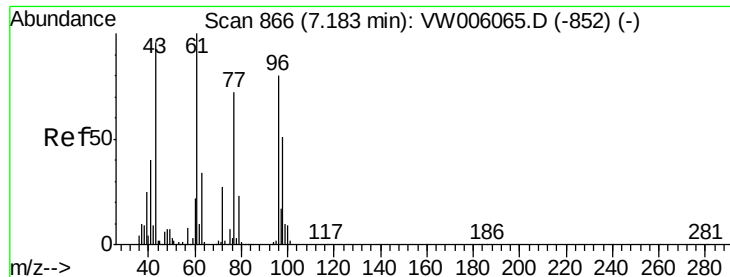
58 0.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 2.399 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.03 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Instrument :

MSVOA_W

ClientSampleId :

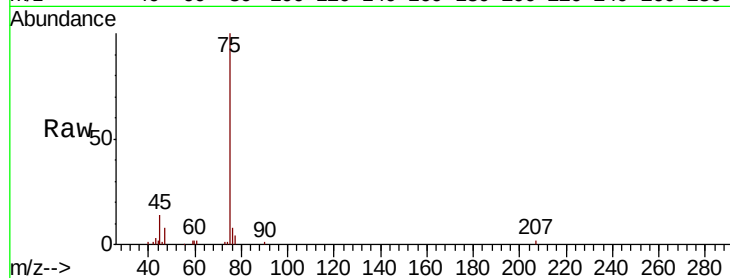
SA-SB-01ARE

Tot Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

300

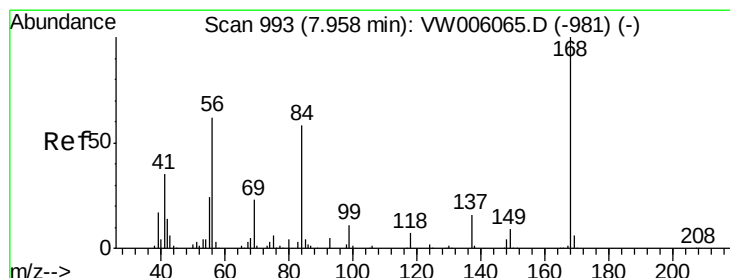
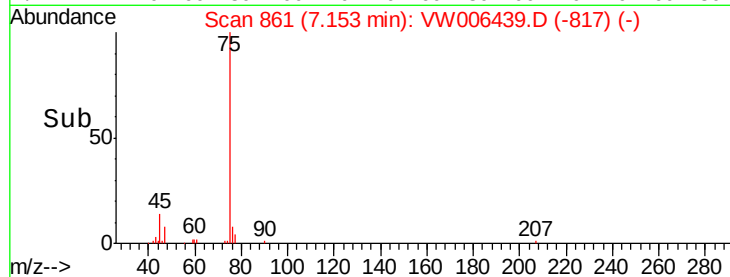
200

100

0

7.10 7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

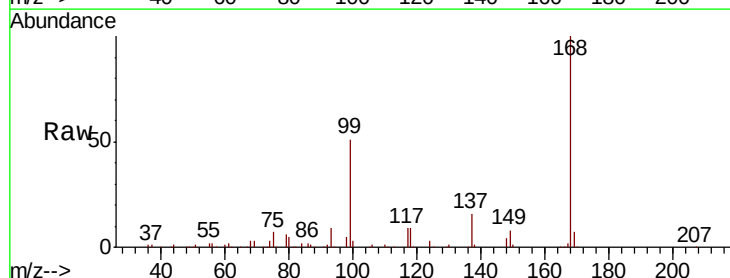
Tgt Ion: 56 Resp: 3613

Ion Ratio Lower Upper

56 100

69 169.9 29.4 44.0#

84 131.1 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

7.95

3000

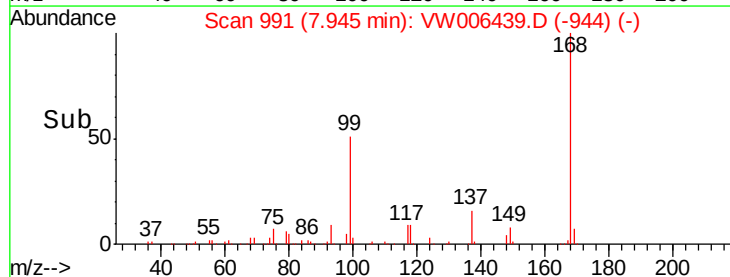
2000

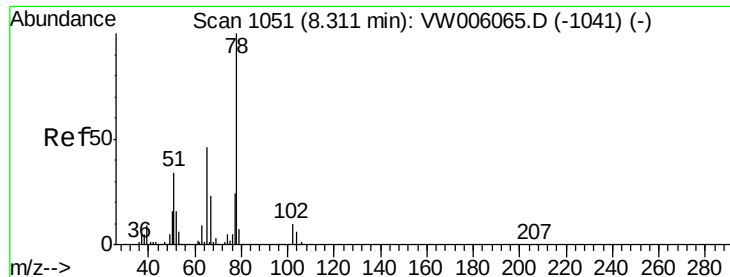
1000

0

7.85 7.90 7.95 8.00

Time-->

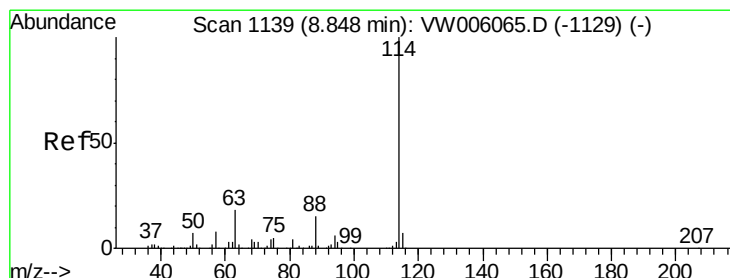
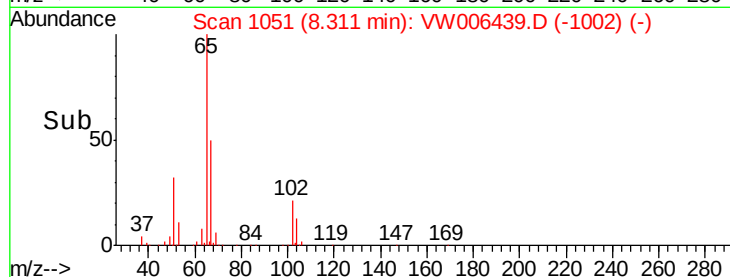
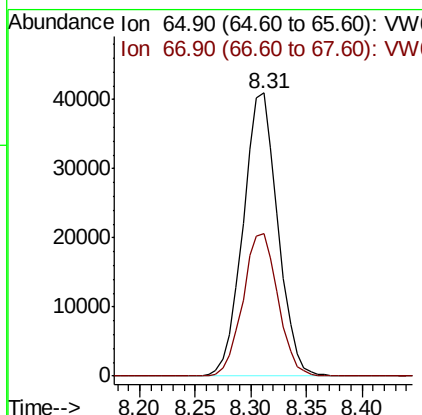
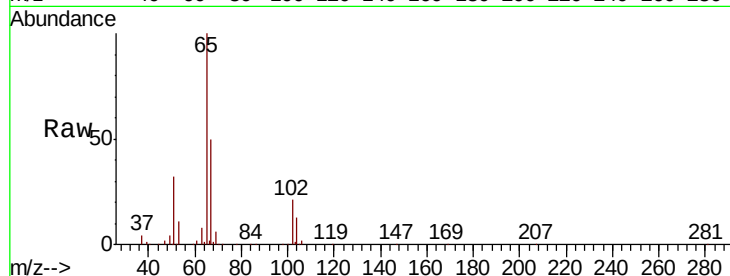




#33
 1,2-Dichloroethane-d4
 Concen: 54.325 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

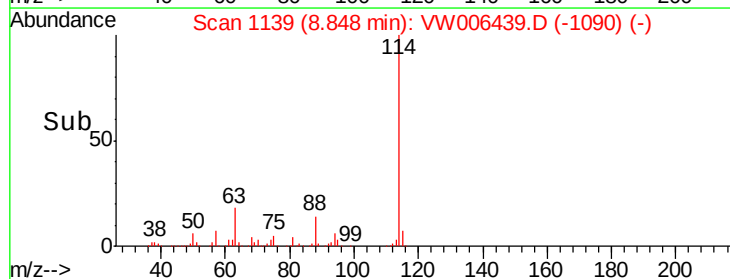
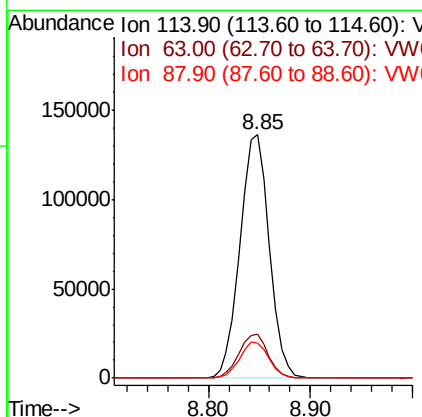
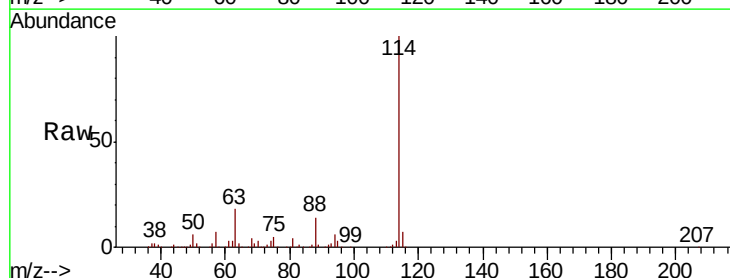
Instrument :
 MSVOA_W
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 SA-SB-01ARE

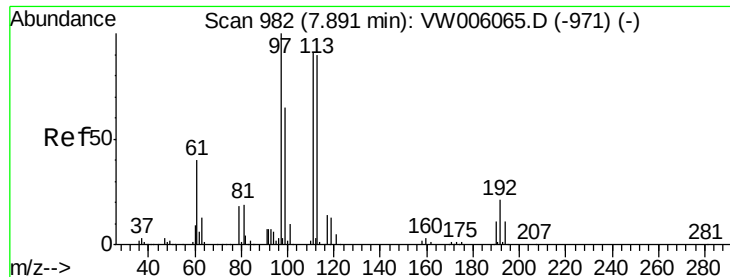
Tot Ion: 65 Resp: 88693
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

Tgt Ion: 114 Resp: 272065
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.8
 88 14.2 0.0 29.0

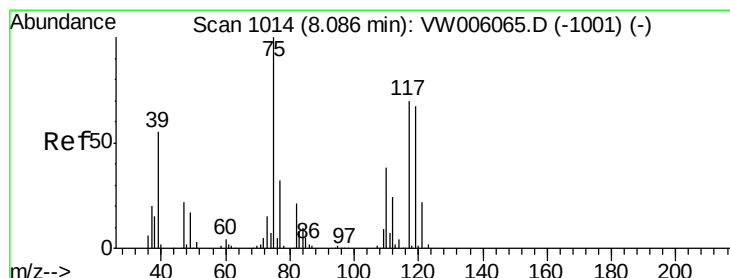
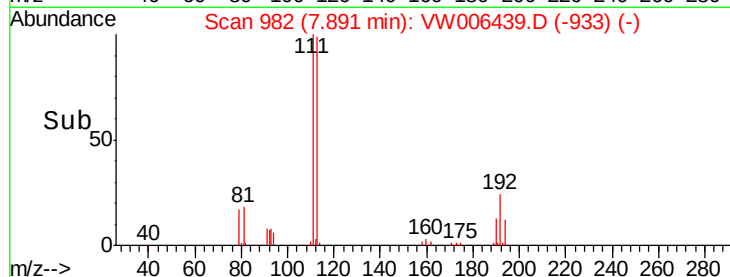
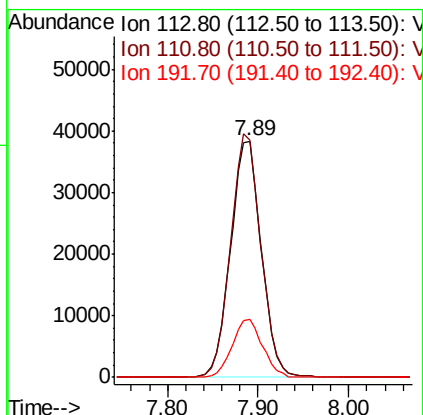
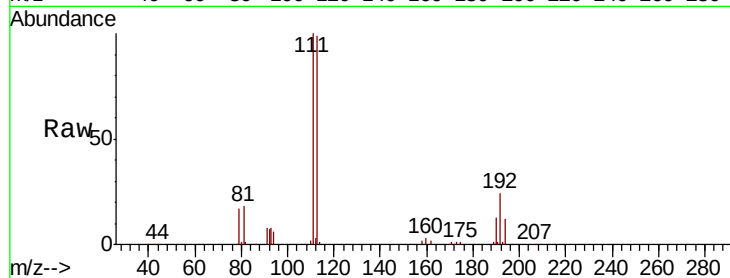




#35
 Dibromofluoromethane
 Concen: 56.064 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

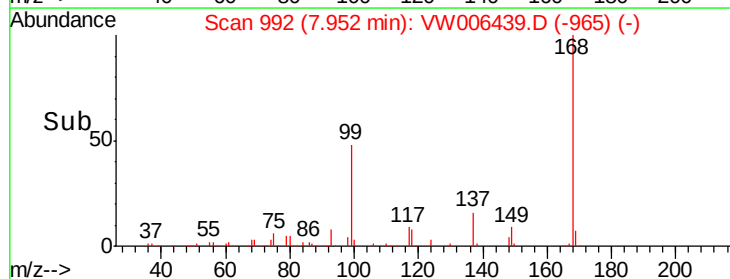
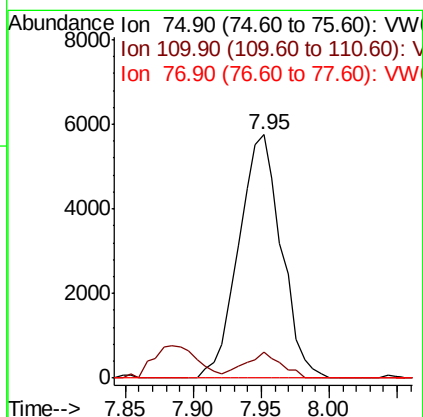
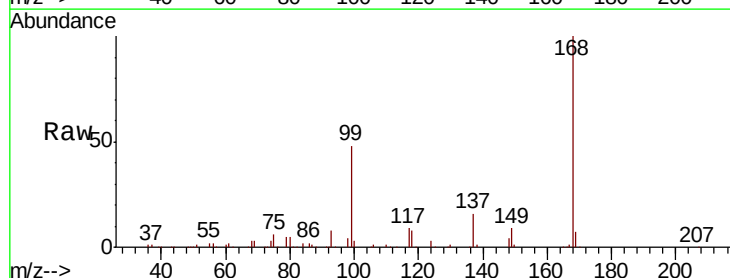
Instrument :
 MSVOA_W
 ClientSampleId :
 SA-SB-01ARE

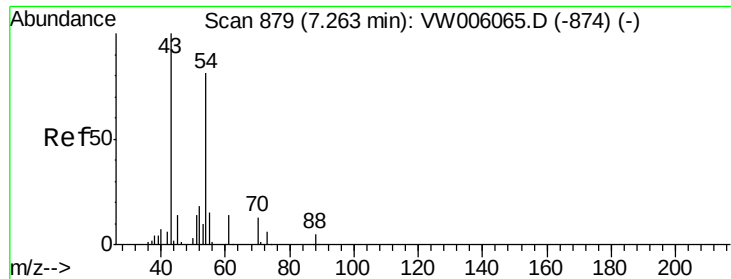
Tot Ion:113 Resp: 90129
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.4 122.0
 192 24.0 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 5.009 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

Tgt Ion: 75 Resp: 12560
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.1#
 77 0.0 25.0 37.4#

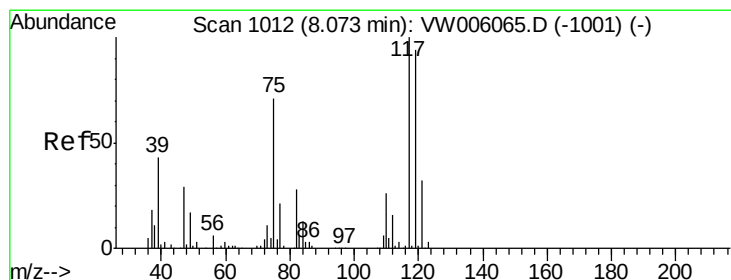
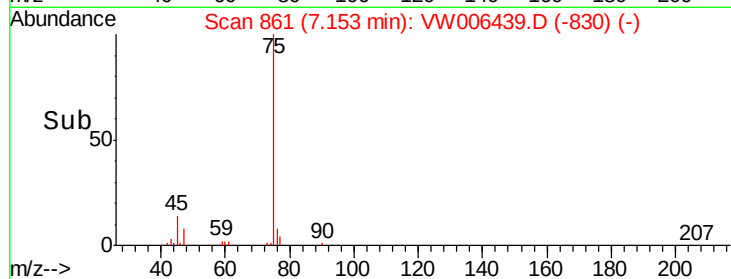
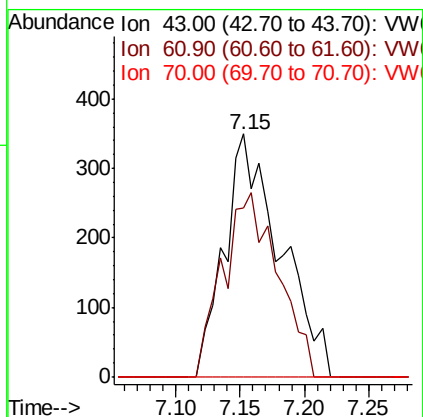
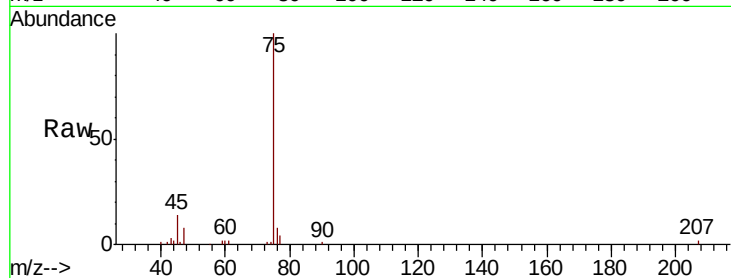




#37
Ethyl Acetate
Concen: 1.136 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.11 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

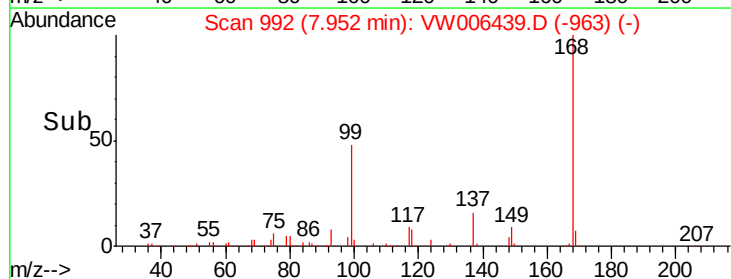
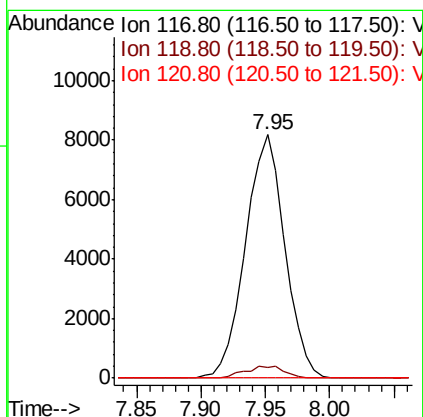
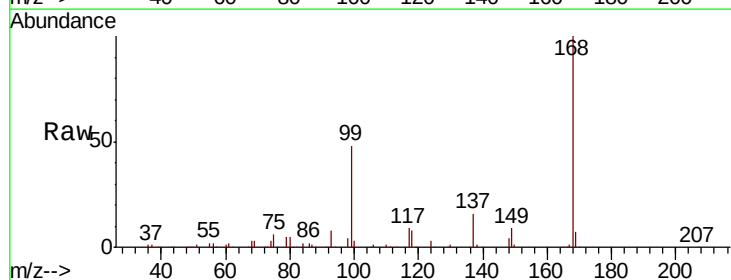
Instrument :
MSVOA_W
ClientSampleId :
SA-SB-01ARE

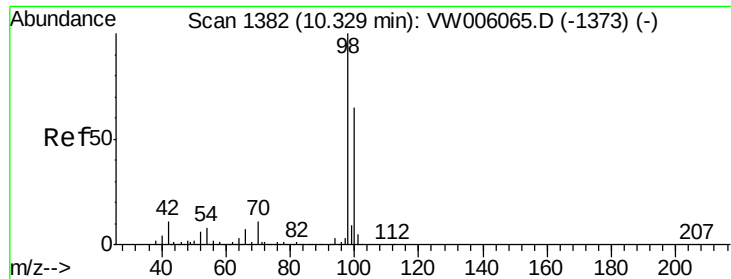
Tot Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
61 74.8 11.5 17.3#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.293 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

Tgt Ion: 117 Resp: 17301
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 48.907 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Instrument :

MSVOA_W

ClientSampleId :

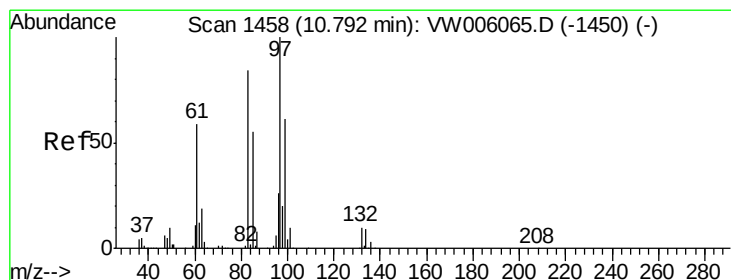
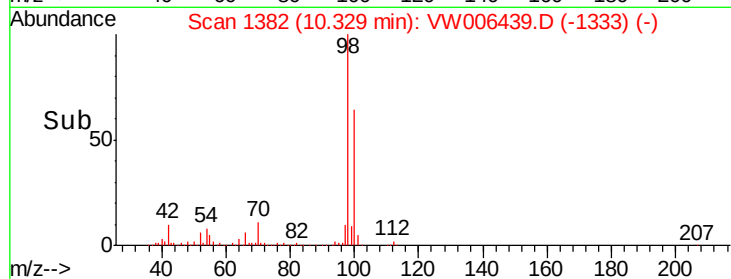
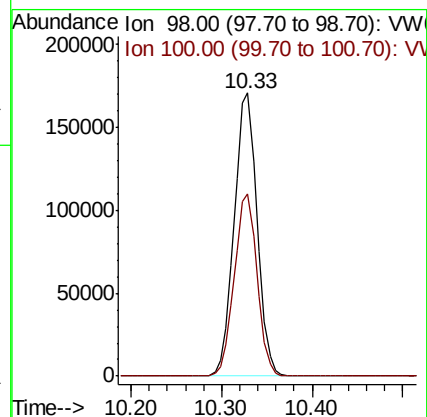
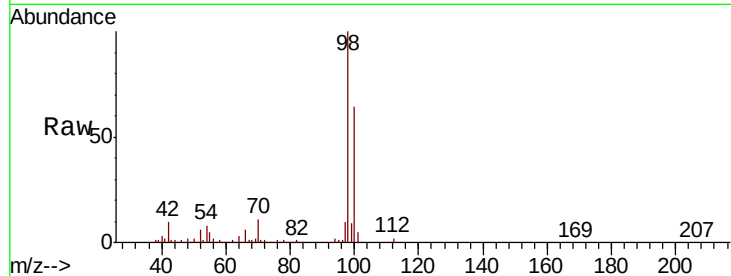
SA-SB-01ARE

Tot Ion: 98 Resp: 299123

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#55

1,1,2-Trichloroethane

Concen: 9.744 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Tgt Ion: 97 Resp: 12793

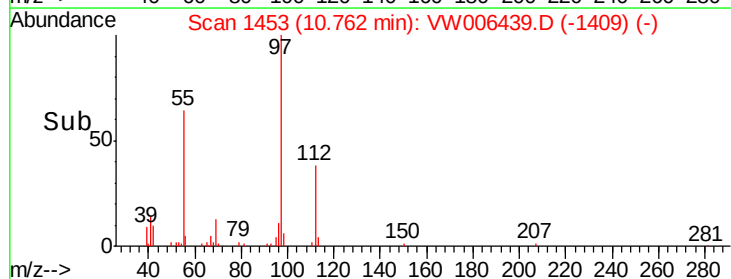
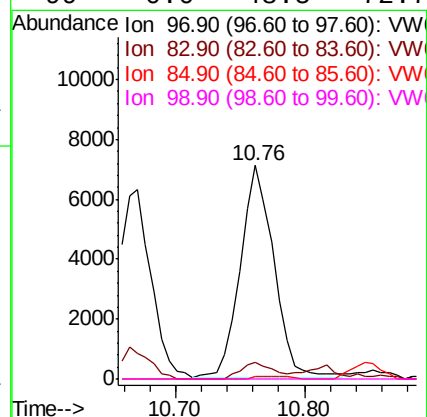
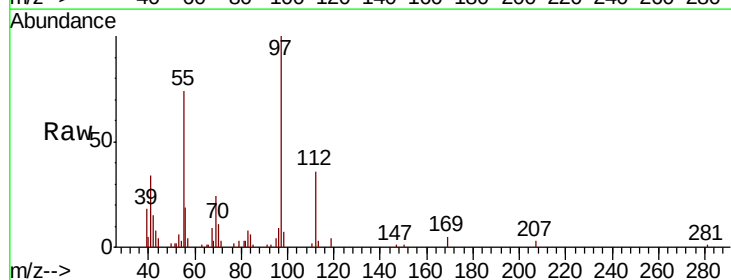
Ion Ratio Lower Upper

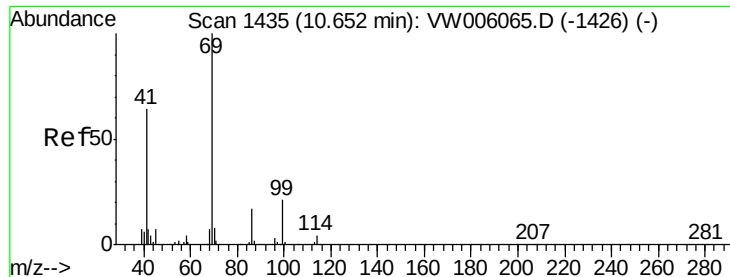
97 100

83 7.6 67.2 100.8#

85 1.3 43.7 65.5#

99 0.0 48.5 72.7#





#56

Ethyl methacrylate

Concen: 1.953 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Instrument :

MSVOA_W

ClientSampleId :

SA-SB-01ARE

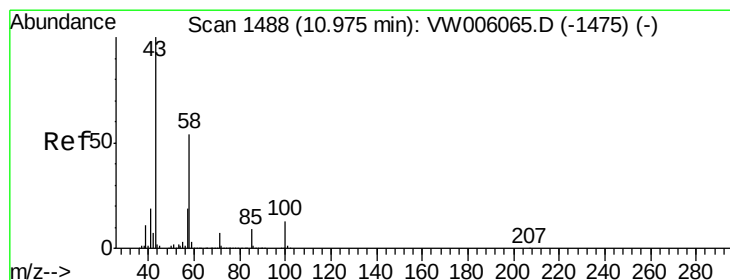
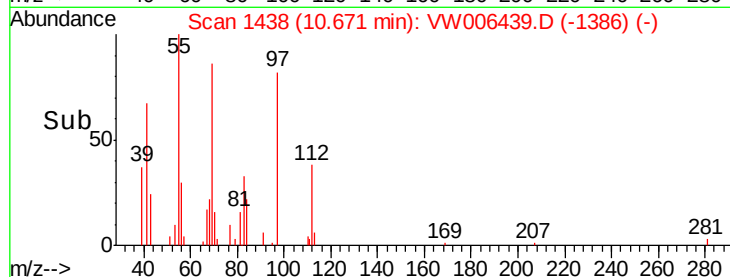
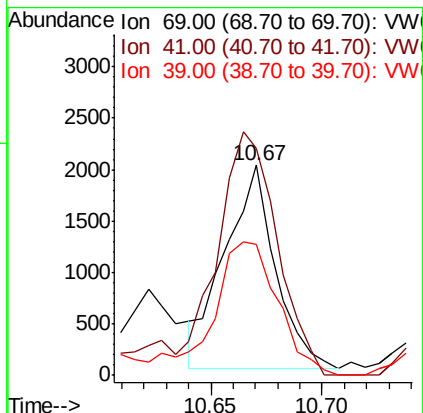
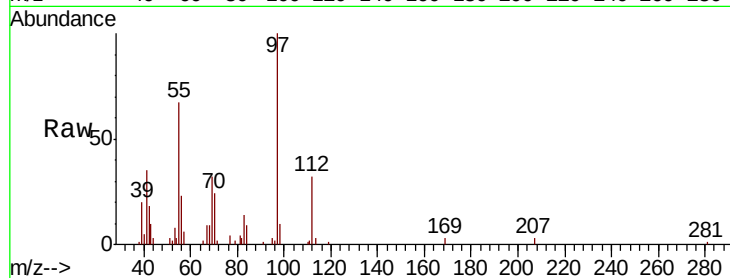
Tot Ion: 69 Resp: 3143

Ion Ratio Lower Upper

69 100

41 160.6 52.8 79.2#

39 83.9 30.6 45.8#



#59

2-Hexanone

Concen: 5.400 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.04 min

Lab File: VW006439.D

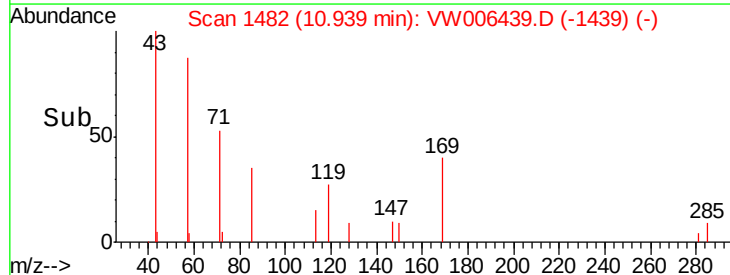
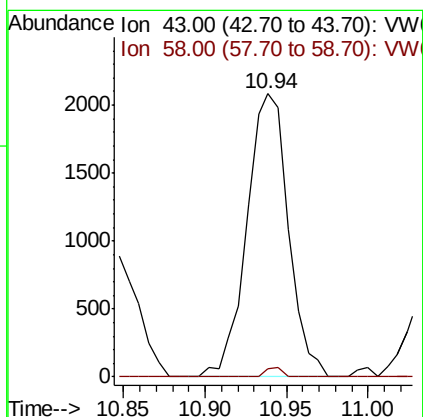
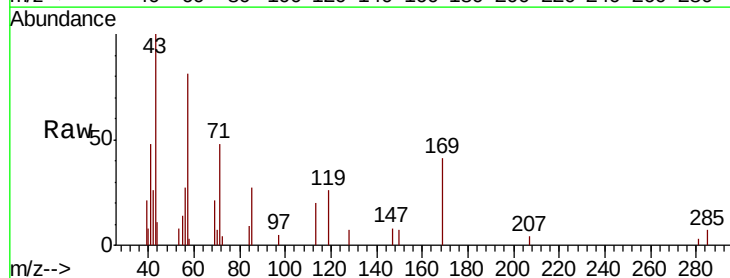
Acq: 27 Oct 2018 08:17

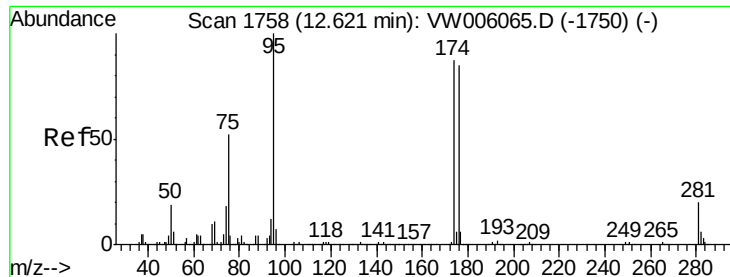
Tgt Ion: 43 Resp: 3679

Ion Ratio Lower Upper

43 100

58 1.3 26.9 80.6#

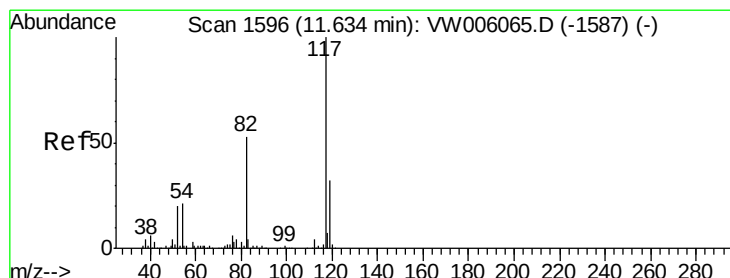
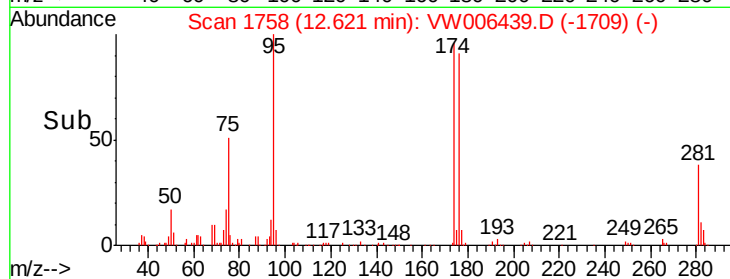
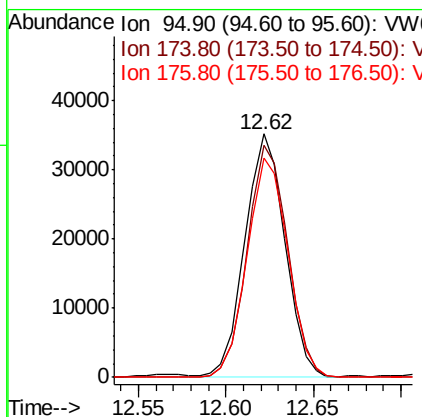
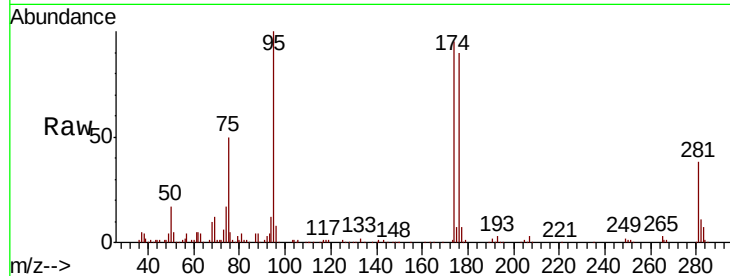




#62
4-Bromofluorobenzene
Concen: 24.167 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

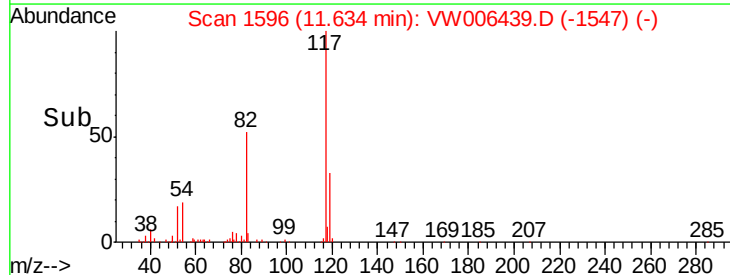
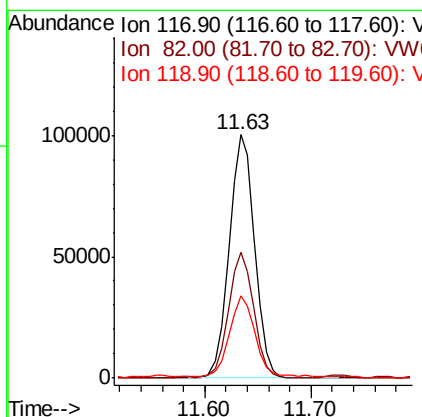
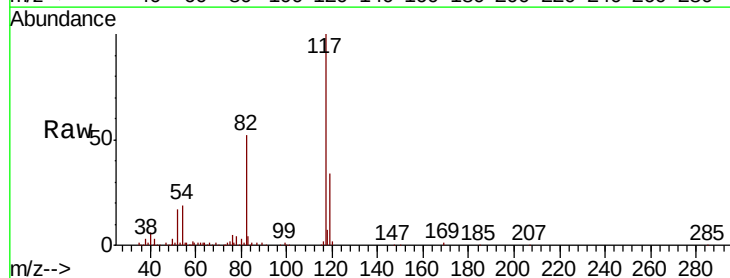
Instrument :
MSVOA_W
ClientSampleId :
SA-SB-01ARE

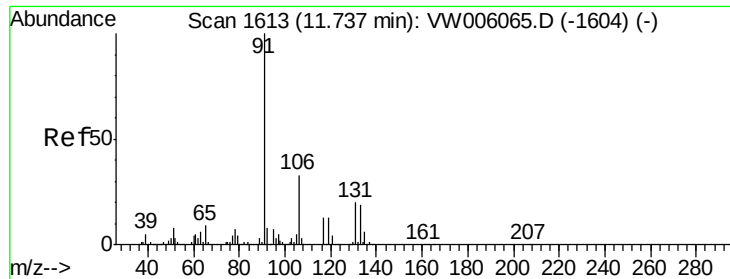
Tot Ion: 95 Resp: 55516
Ion Ratio Lower Upper
95 100
174 97.2 0.0 186.0
176 93.0 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

Tgt Ion: 117 Resp: 167482
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 33.0 25.8 38.6

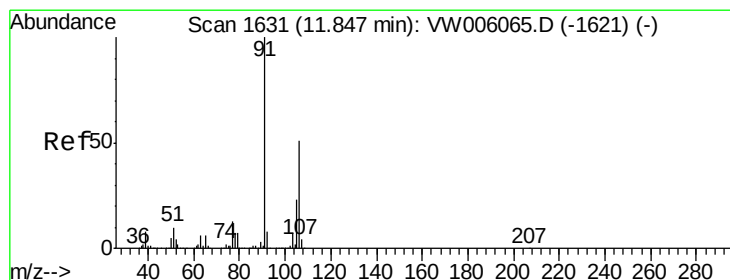
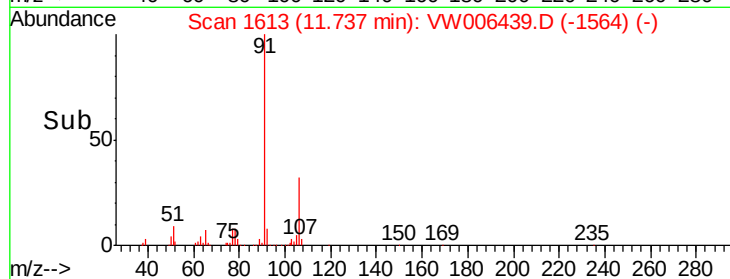
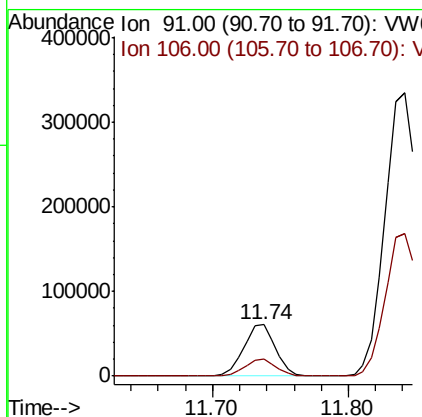
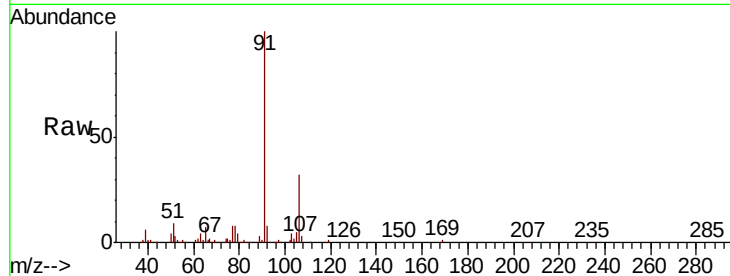




#67
Ethyl Benzene
Concen: 16.085 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

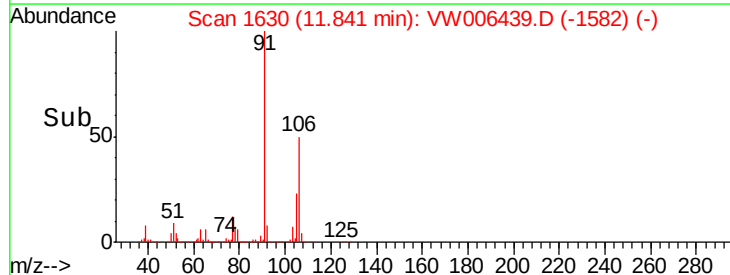
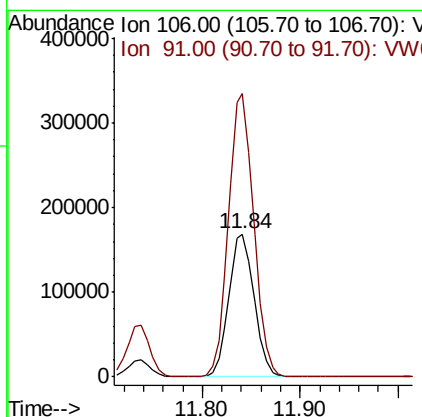
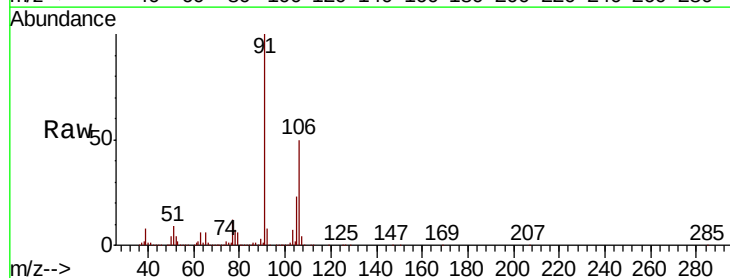
Instrument :
MSVOA_W
ClientSampleId :
SA-SB-01ARE

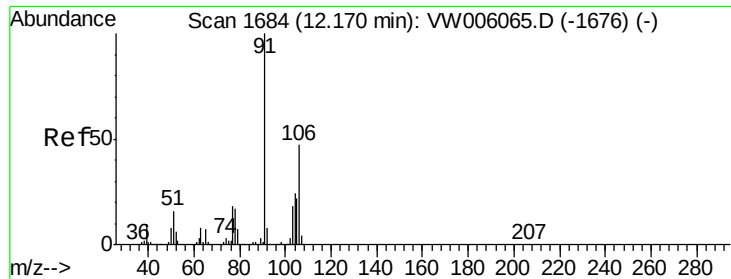
Tot Ion: 91 Resp: 99942
Ion Ratio Lower Upper
91 100
106 32.2 26.1 39.1



#68
m/p-Xylenes
Concen: 123.245 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

Tgt Ion: 106 Resp: 302674
Ion Ratio Lower Upper
106 100
91 197.8 159.1 238.7

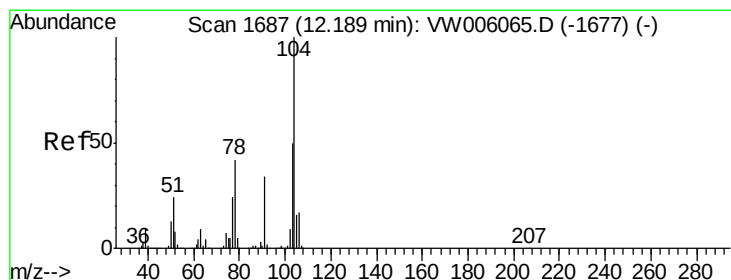
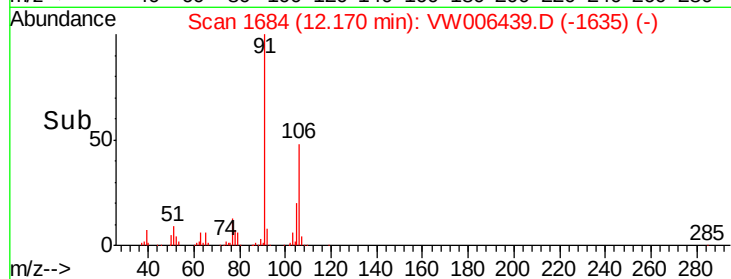
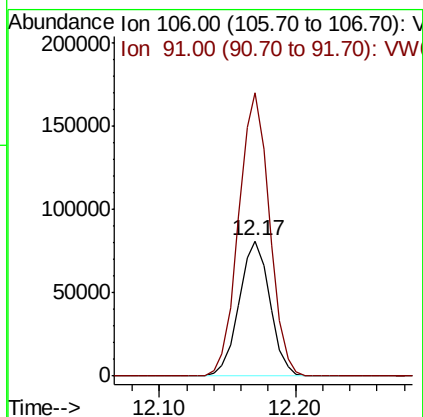
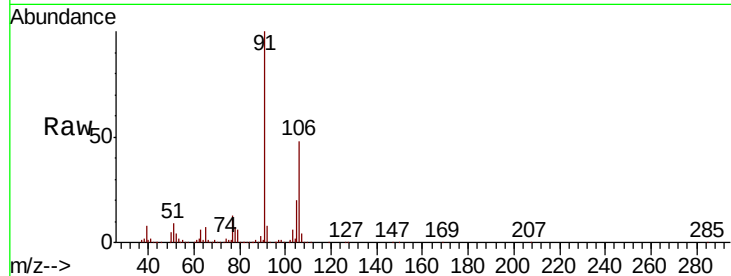




#69
o-Xylene
Concen: 54.899 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

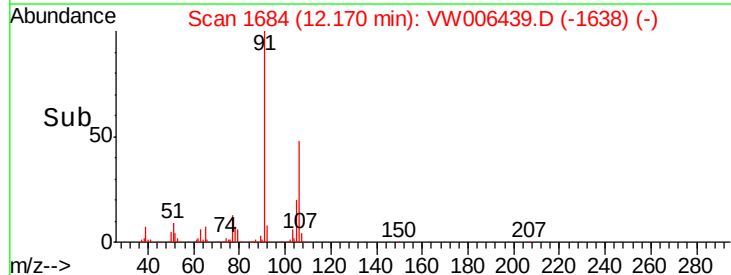
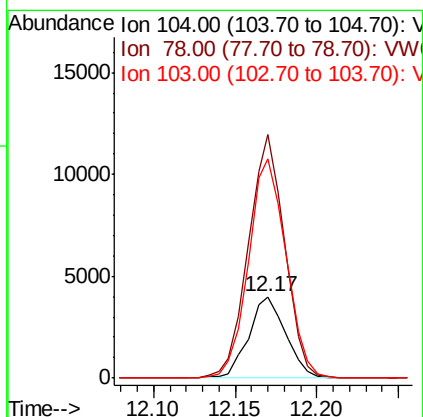
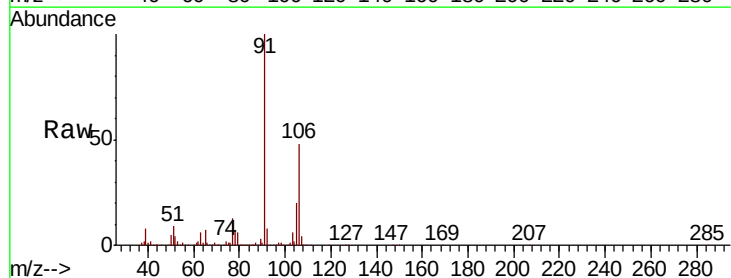
Instrument :
MSVOA_W
ClientSampled :
SA-SB-01ARE

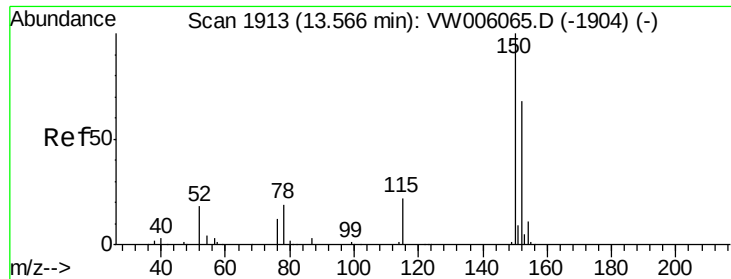
Tot Ion:106 Resp: 128493
Ion Ratio Lower Upper
106 100
91 209.7 105.4 316.1



#70
Styrene
Concen: 1.656 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VW006439.D
Acq: 27 Oct 2018 08:17

Tgt Ion:104 Resp: 6302
Ion Ratio Lower Upper
104 100
78 293.2 39.1 58.7#
103 273.5 44.3 66.5#

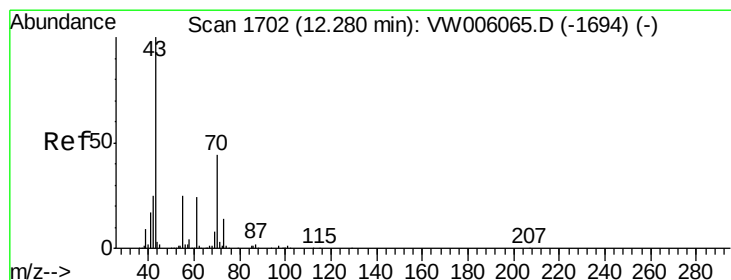
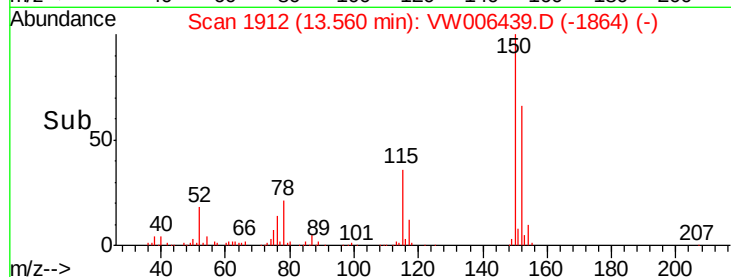
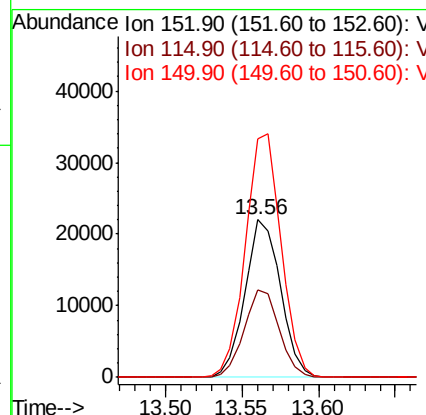
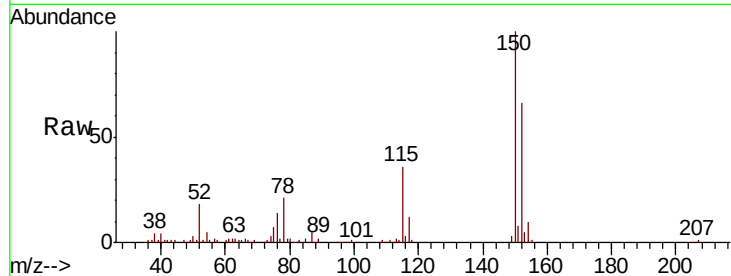




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

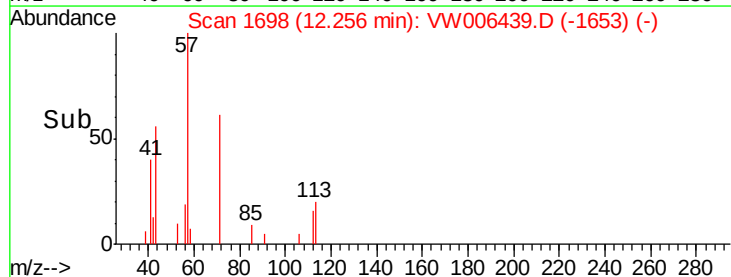
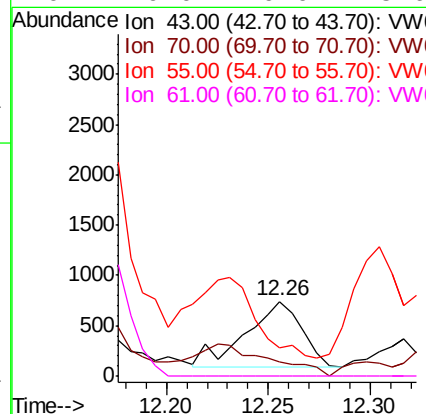
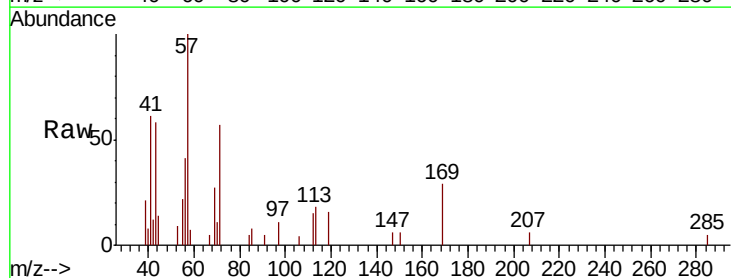
Instrument :
 MSVOA_W
 ClientSampleId :
 SA-SB-01ARE

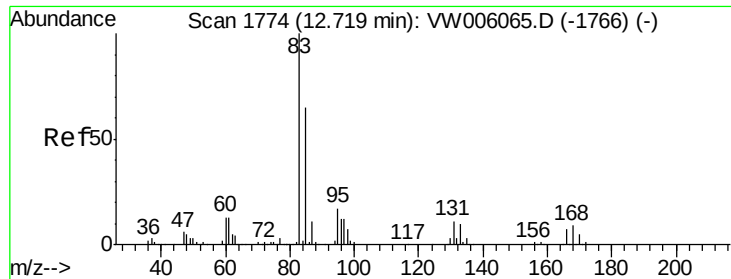
Tot Ion:152 Resp: 35458
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.8 83.3
 150 155.7 0.0 349.2



#74
 N-ethyl acetate
 Concen: 2.604 ug/l
 RT: 12.26 min Scan# 1698
 Delta R.T. -0.02 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

Tgt Ion: 43 Resp: 1267
 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#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.470 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Instrument :

MSVOA_W

ClientSampleId :

SA-SB-01ARE

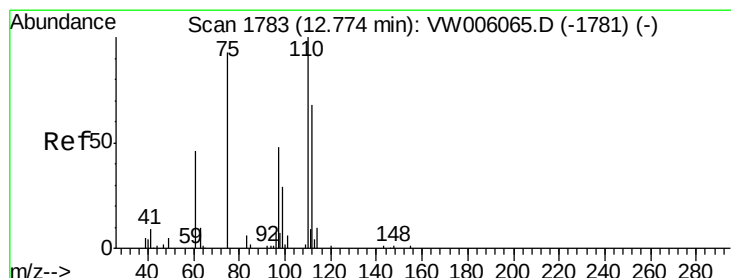
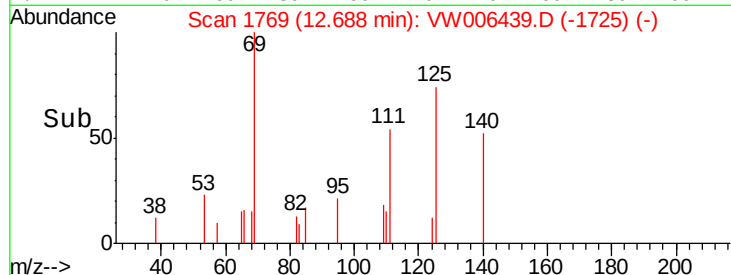
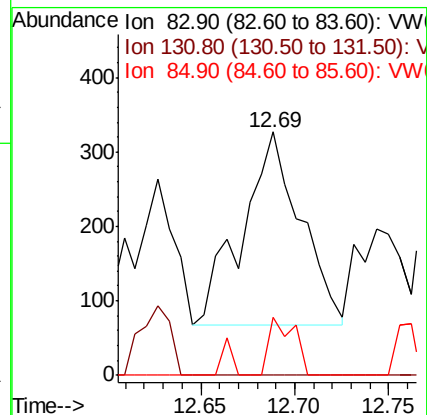
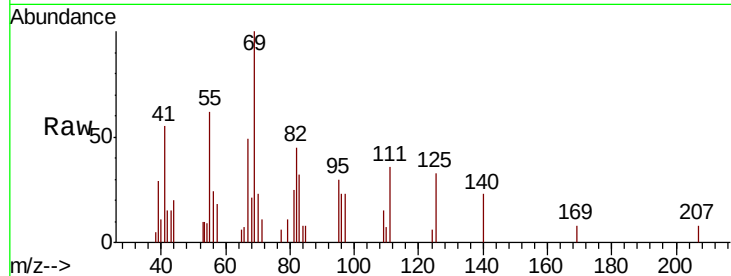
Tot Ion: 83 Resp: 560

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

85 12.9 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 103.471 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006439.D

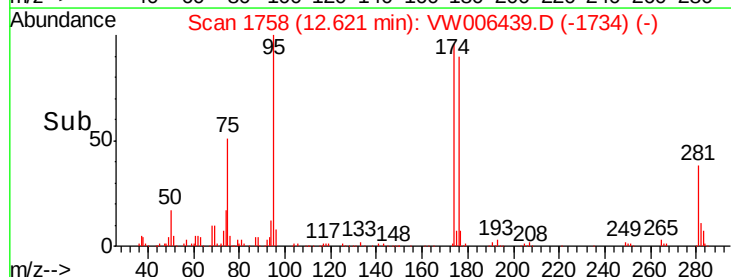
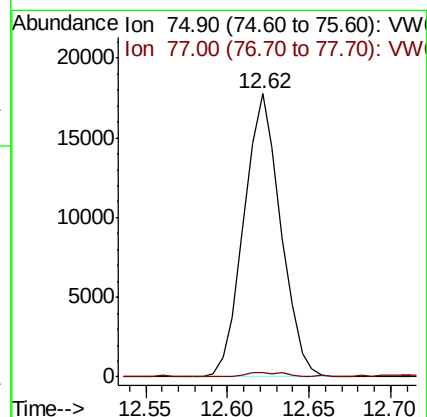
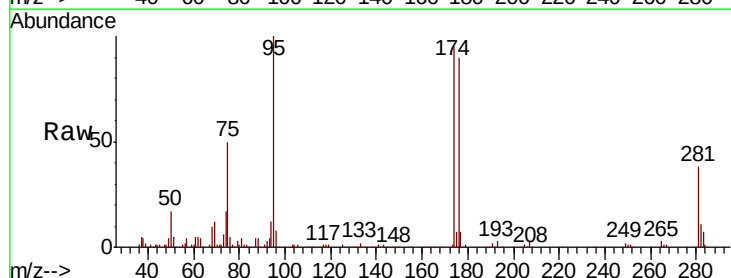
Acq: 27 Oct 2018 08:17

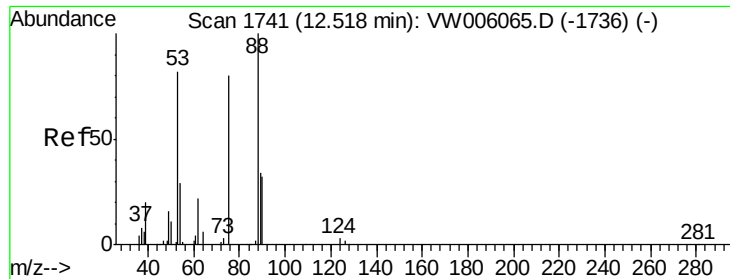
Tgt Ion: 75 Resp: 28023

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 247.337 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006439.D

Acq: 27 Oct 2018 08:17

Instrument :

MSVOA_W

ClientSampleId :

SA-SB-01ARE

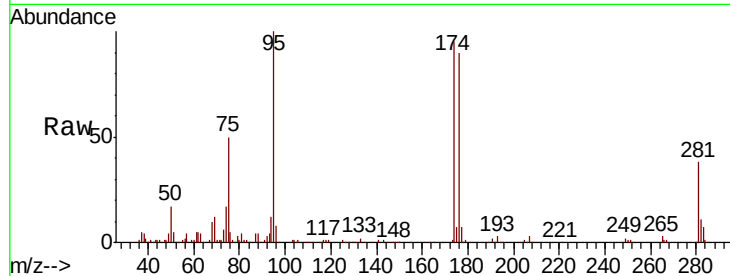
Tot Ion: 75 Resp: 28023

Ion Ratio Lower Upper

75 100

53 0.8 79.8 119.6#

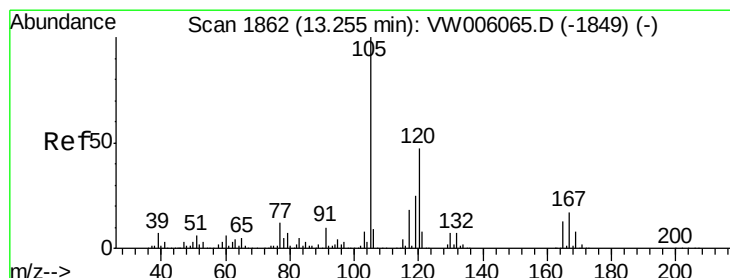
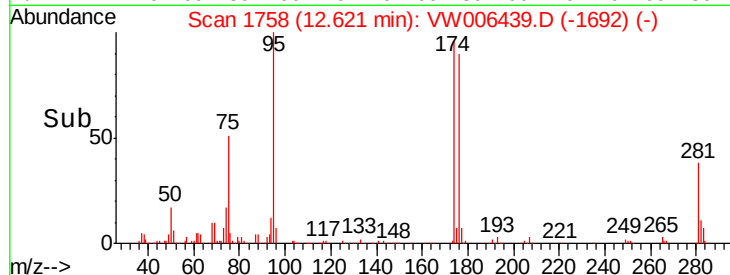
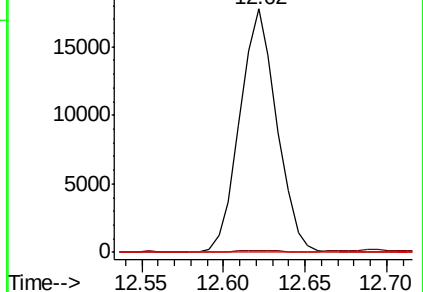
89 0.2 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 1.143 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006439.D

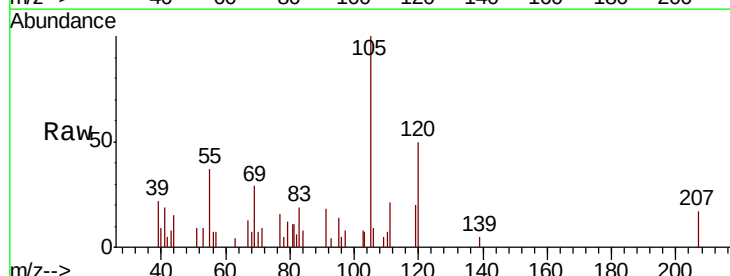
Acq: 27 Oct 2018 08:17

Tgt Ion: 105 Resp: 2443

Ion Ratio Lower Upper

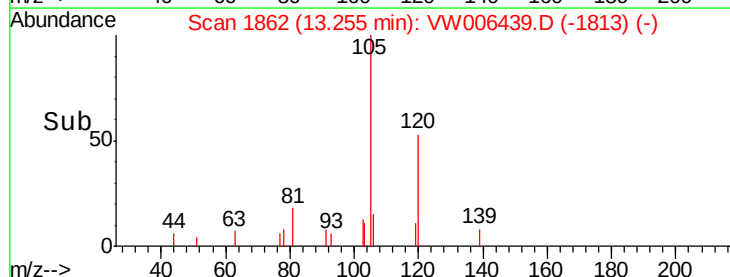
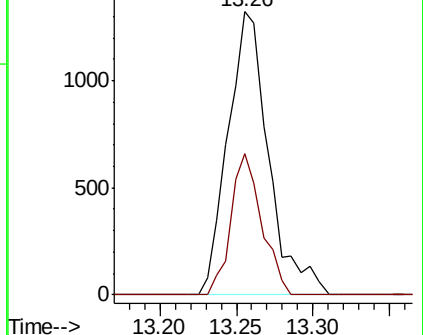
105 100

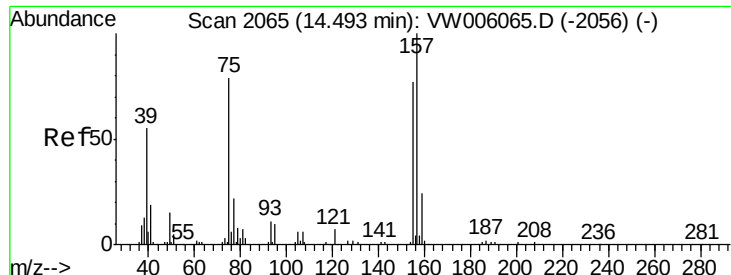
120 37.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.298 ug/l
 RT: 14.37 min Scan# 2045
 Delta R.T. -0.12 min
 Lab File: VW006439.D
 Acq: 27 Oct 2018 08:17

Instrument :
 MSVOA_W
 ClientSampleId :
 SA-SB-01ARE

Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	46.5	139.5#
157	0.0	59.8	179.4#

