

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
 Data File : VW006431.D
 Acq On : 27 Oct 2018 04:50
 Operator : SY/AP
 Sample : J5515-19RE
 Misc : 5.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01BRE

Quant Time: Oct 27 05:44:23 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	309035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	227237	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	134219	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	7.88	113	133588	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.33	98	516211	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.62	95	188354	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	

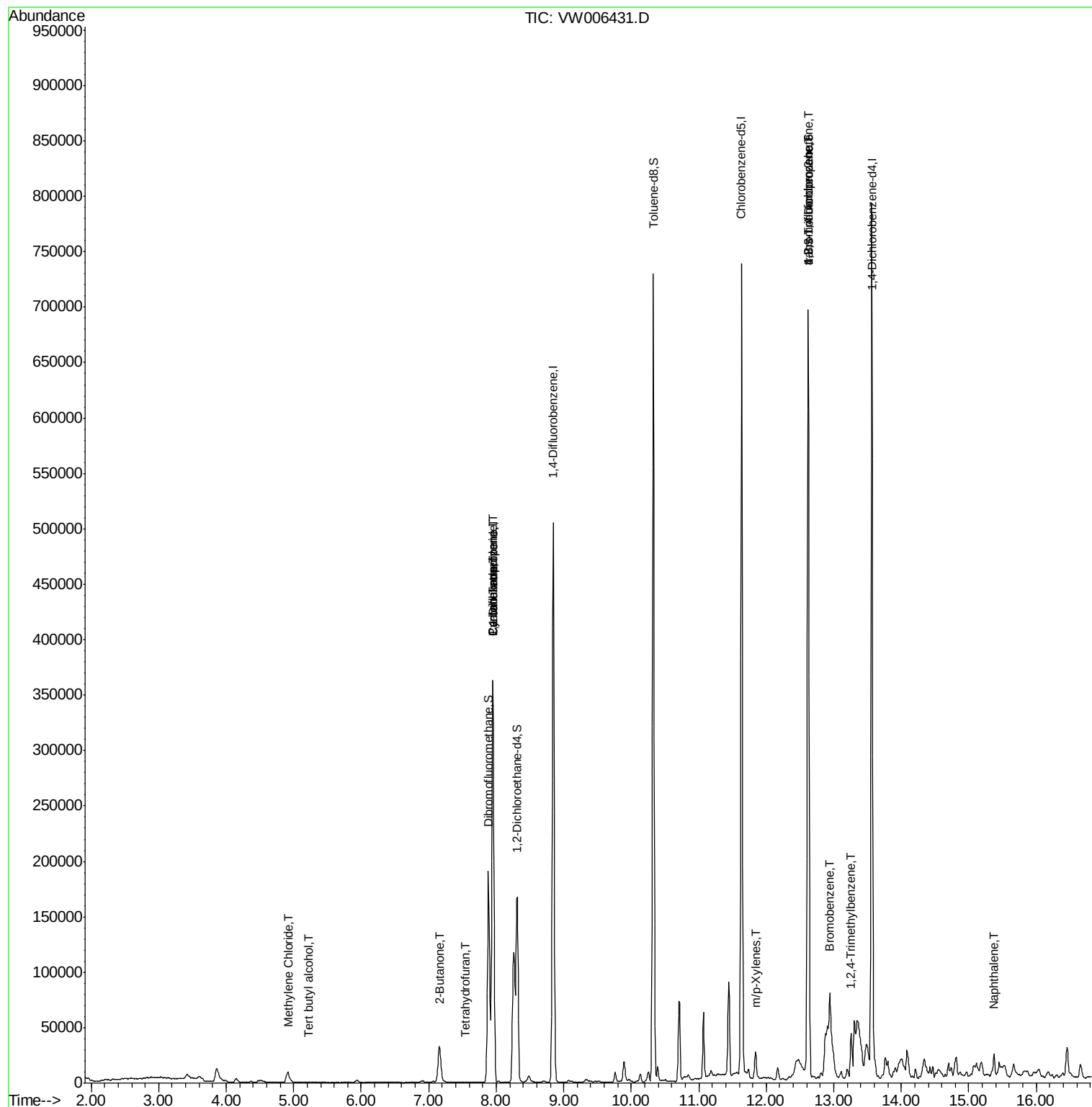
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	747	4.335	ug/l #	71
16) Acetone	4.15	43	7110	Below Cal		93
20) Methylene Chloride	4.92	84	7998	1.367	ug/l #	93
25) 2-Butanone	7.17	43	2337	3.376	ug/l #	70
29) Tetrahydrofuran	7.56	42	515	1.211	ug/l #	34
31) Cyclohexane	7.95	56	4898	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19026	4.479	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27015	5.802	ug/l #	17
68) m/p-Xylenes	11.84	106	7628	1.231	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	92206	53.125	ug/l #	100
77) Bromobenzene	12.93	156	74056	18.834	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	92206	126.990	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	22980	1.678	ug/l	99
95) Naphthalene	15.38	128	16948	1.897	ug/l	96

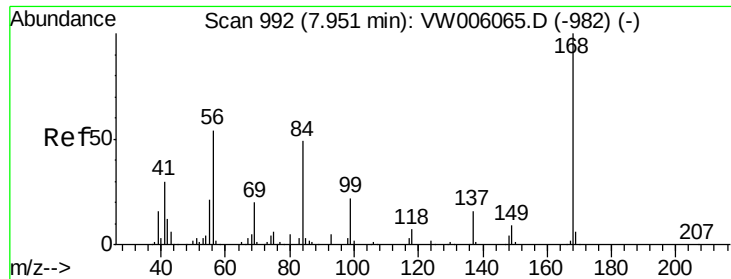
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006431.D

Acq: 27 Oct 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

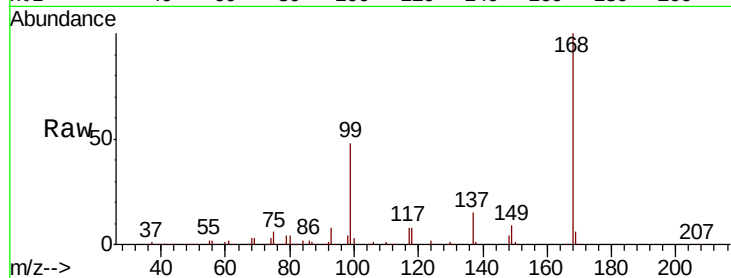
AOC1-01BRE

Tgt Ion:168 Resp: 309035

Ion Ratio Lower Upper

168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

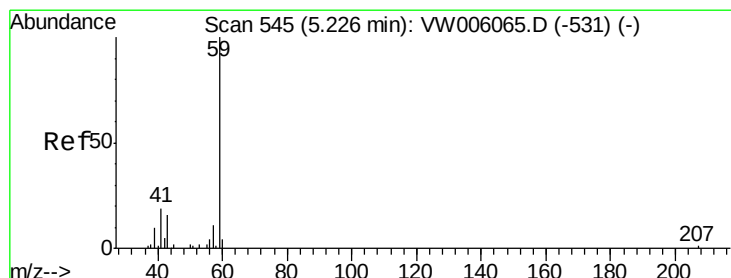
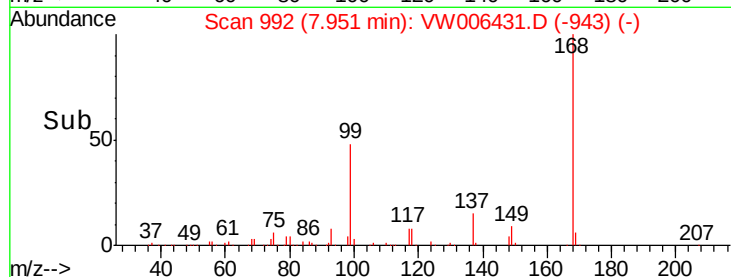
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.335 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW006431.D

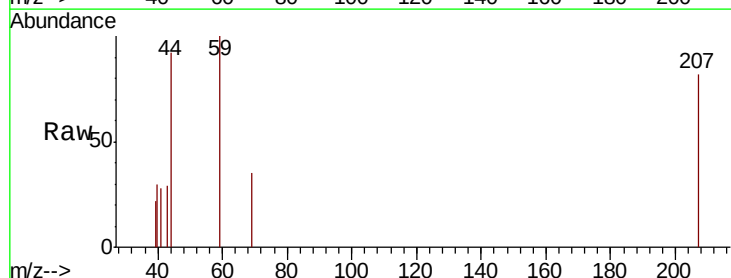
Acq: 27 Oct 2018 04:50

Tgt Ion: 59 Resp: 747

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

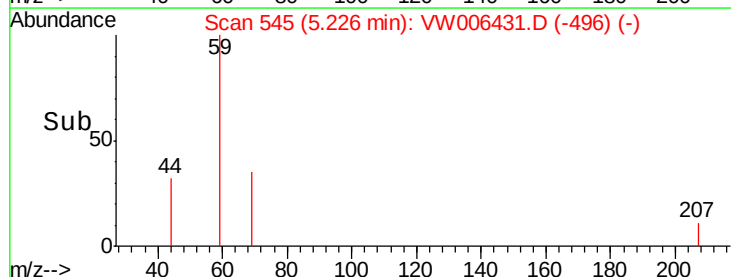
300

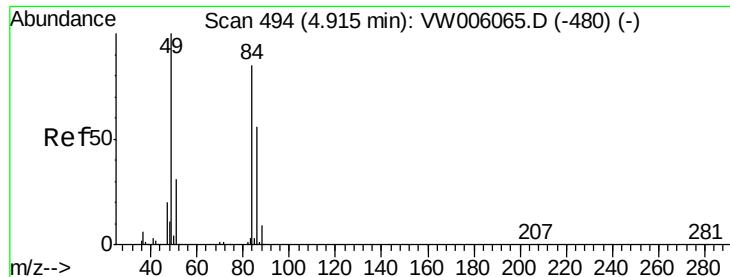
200

100

0

Time--> 5.15 5.20 5.25

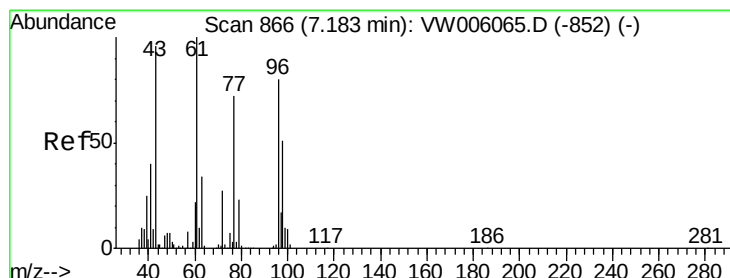
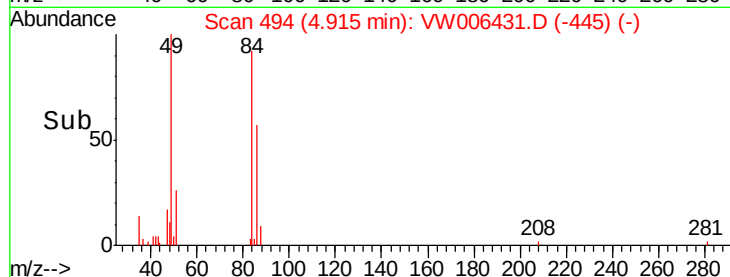
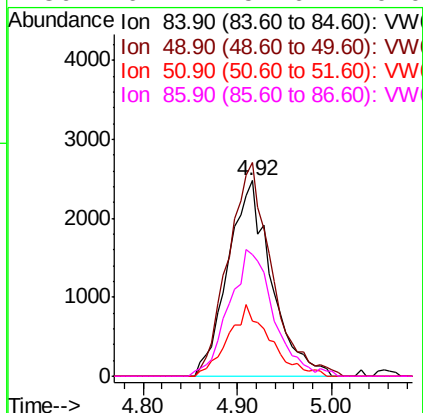
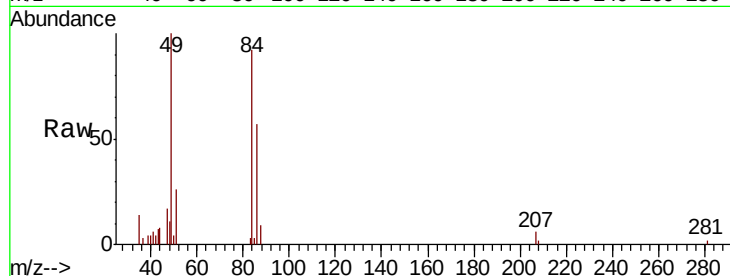




#20
Methylene Chloride
Concen: 1.367 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

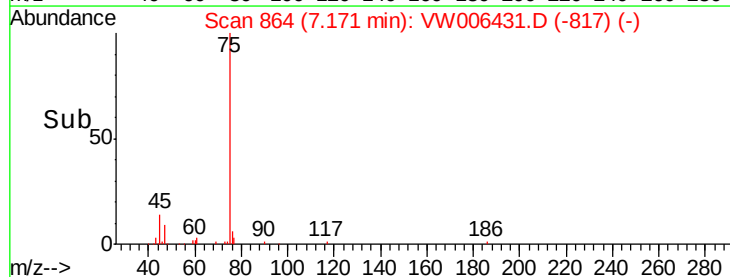
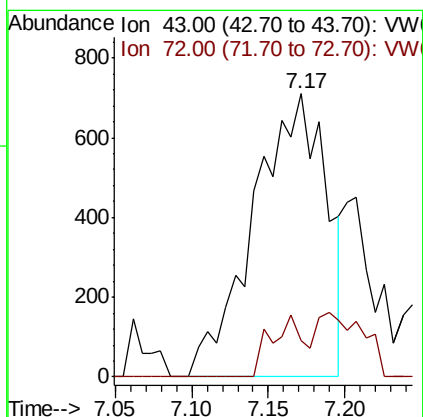
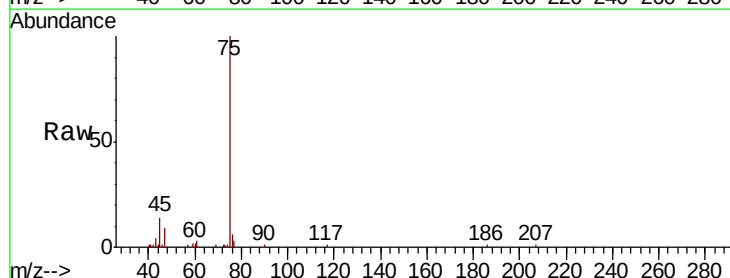
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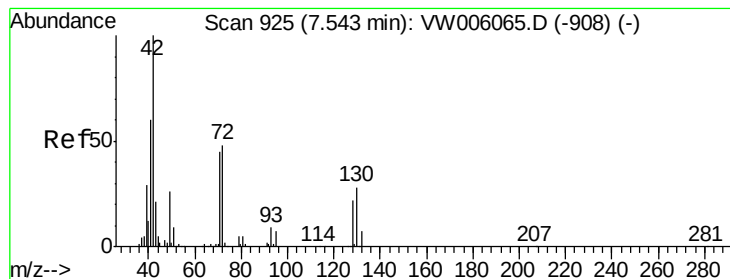
Tgt Ion: 84 Resp: 7998
Ion Ratio Lower Upper
84 100
49 109.2 93.6 140.4
51 28.2 29.0 43.4#
86 62.4 52.6 79.0



#25
2-Butanone
Concen: 3.376 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
72 12.8 22.8 34.2#





#29

Tetrahydrofuran

Concen: 1.211 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.01 min

Lab File: VW006431.D

Acq: 27 Oct 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01BRE

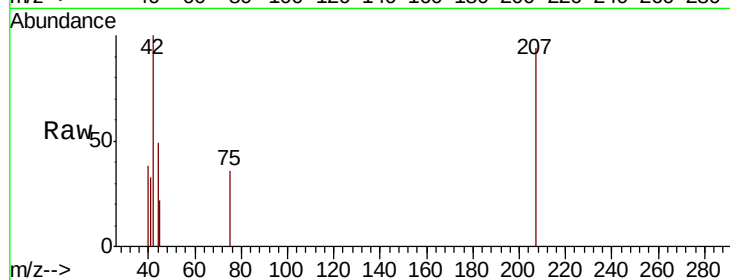
Tgt Ion: 42 Resp: 515

Ion Ratio Lower Upper

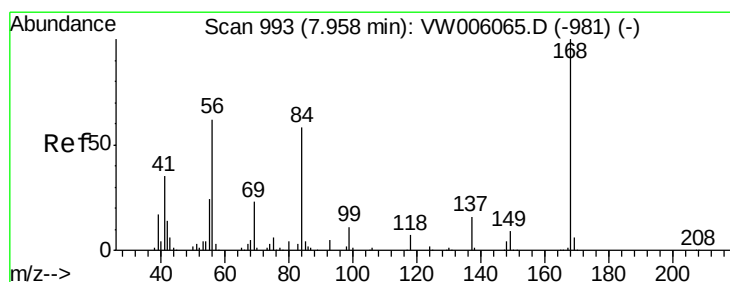
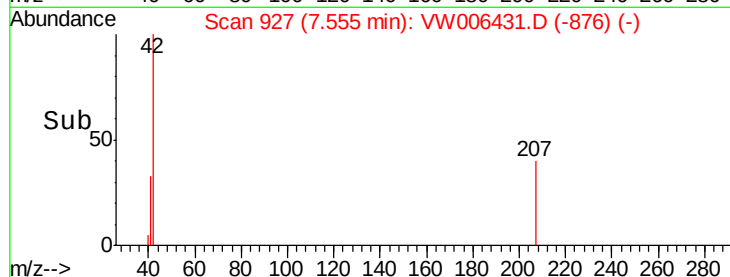
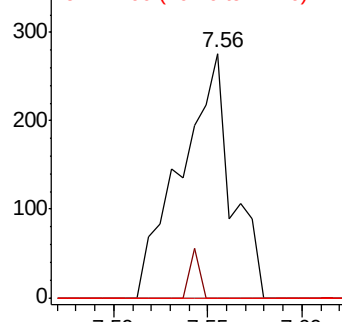
42 100

72 3.9 38.0 57.0#

71 0.0 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006431.D

Acq: 27 Oct 2018 04:50

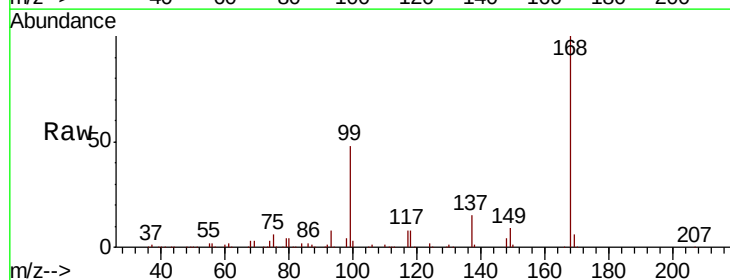
Tgt Ion: 56 Resp: 4898

Ion Ratio Lower Upper

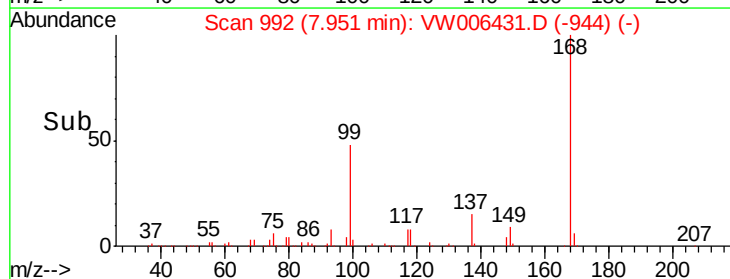
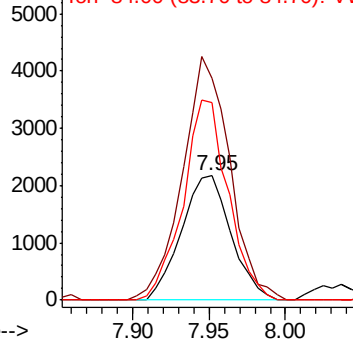
56 100

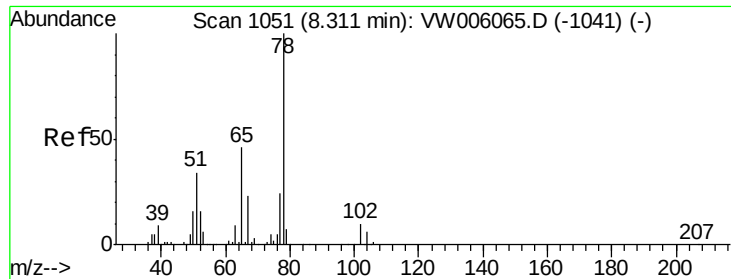
69 179.1 29.4 44.0#

84 159.2 74.0 111.0#



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

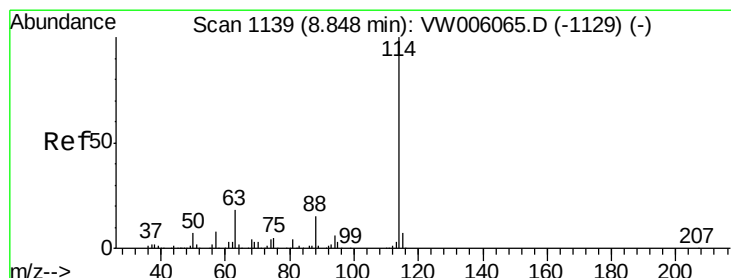
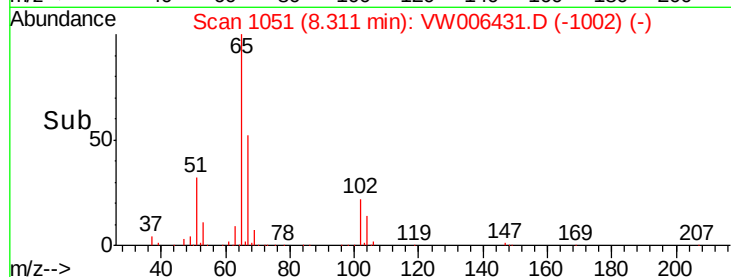
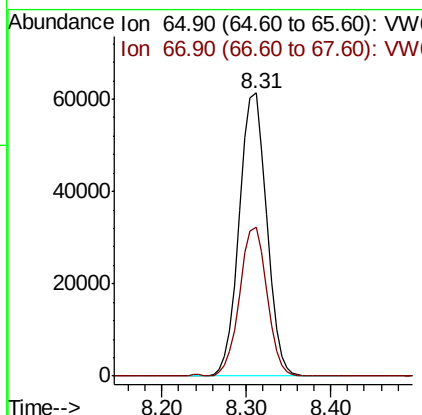
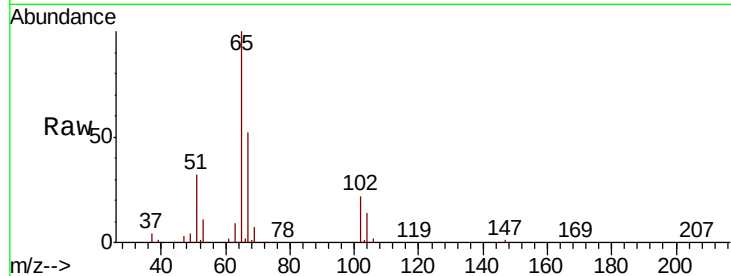




#33
 1,2-Dichloroethane-d4
 Concen: 52.387 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006431.D
 Acq: 27 Oct 2018 04:50

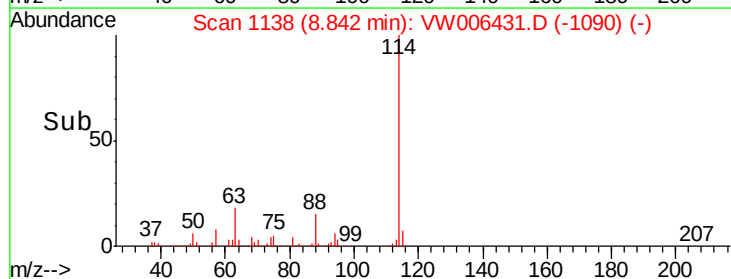
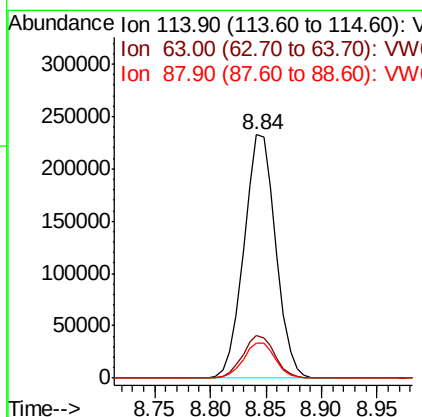
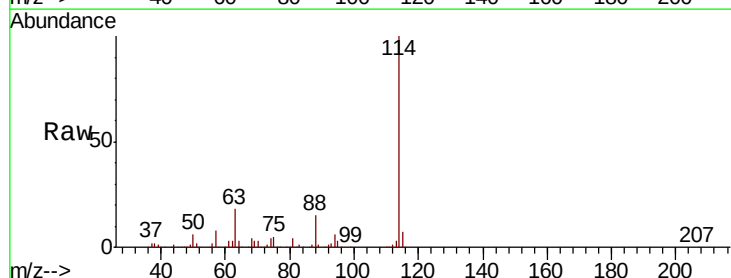
Instrument :
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 ClientSampleId :
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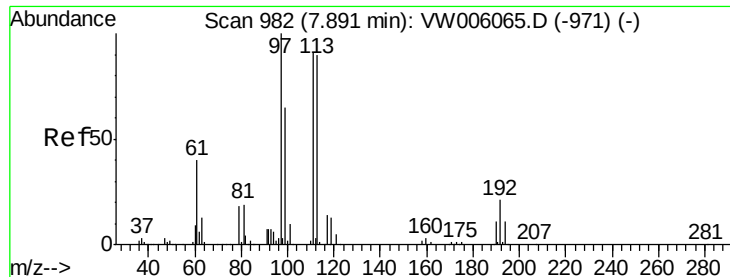
Tgt Ion: 65 Resp: 134219
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006431.D
 Acq: 27 Oct 2018 04:50

Tgt Ion: 114 Resp: 460841
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.8
 88 14.5 0.0 29.0

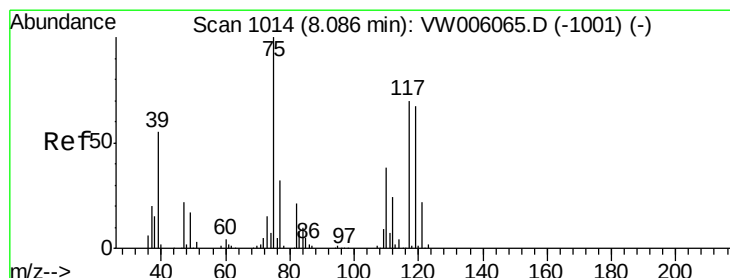
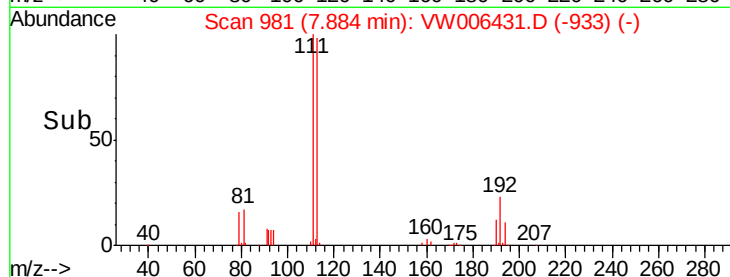
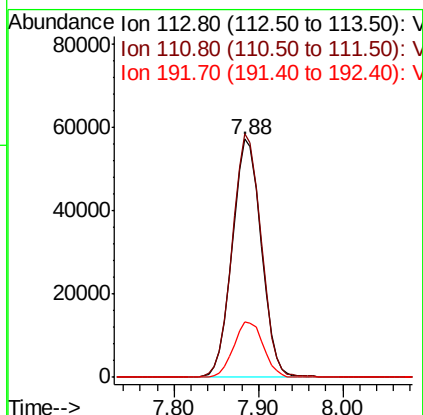
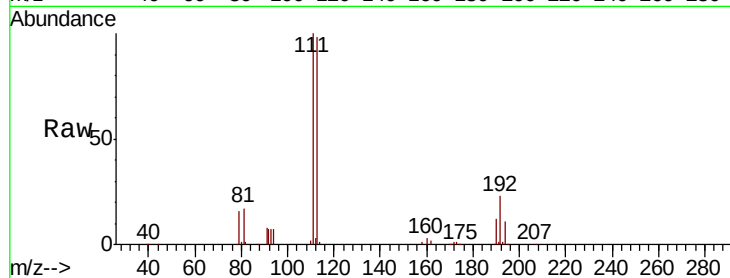




#35
 Dibromofluoromethane
 Concen: 49.058 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006431.D
 Acq: 27 Oct 2018 04:50

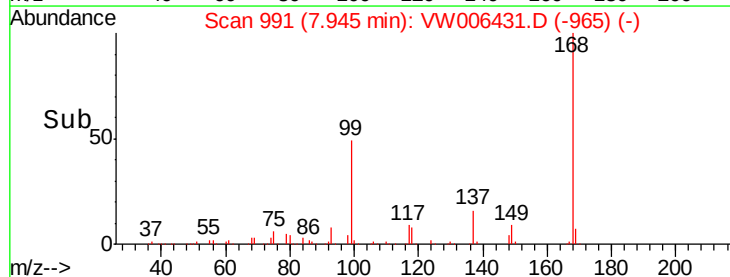
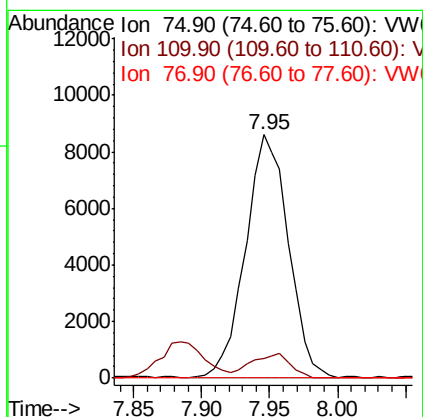
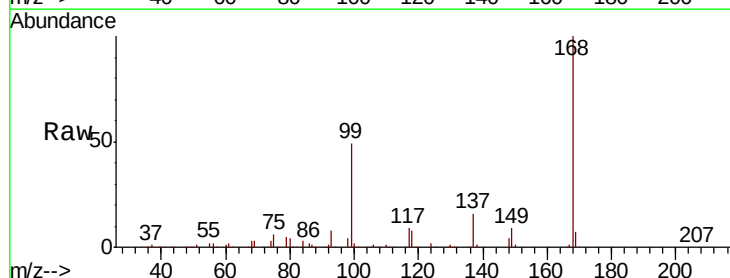
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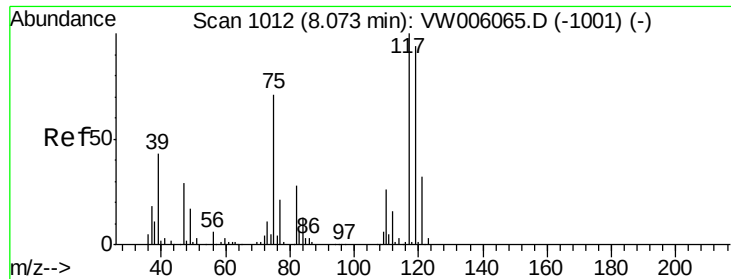
Tgt Ion:113 Resp: 133588
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 23.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.479 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006431.D
 Acq: 27 Oct 2018 04:50

Tgt Ion: 75 Resp: 19026
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.1#
 77 0.0 25.0 37.4#

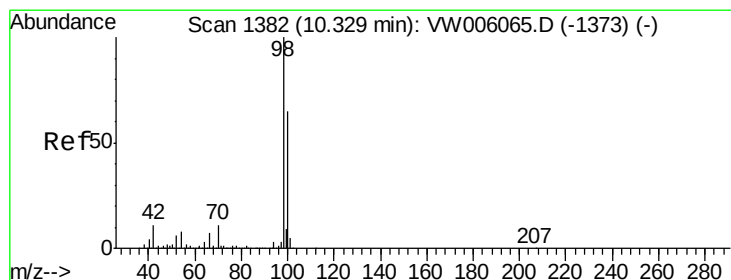
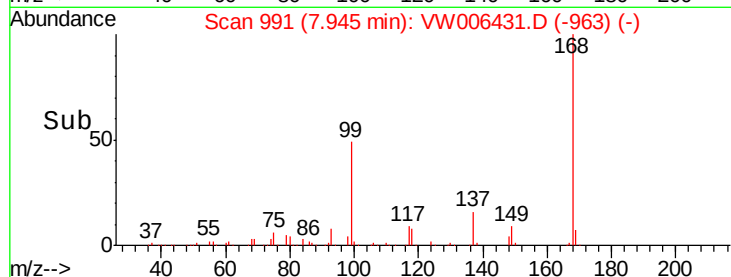
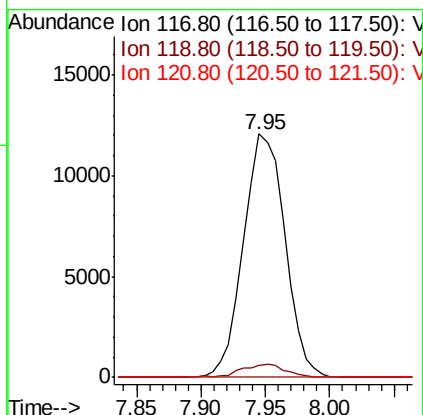
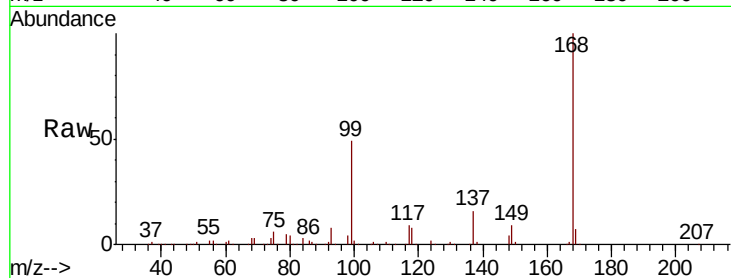




#38
Carbon Tetrachloride
Concen: 5.802 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

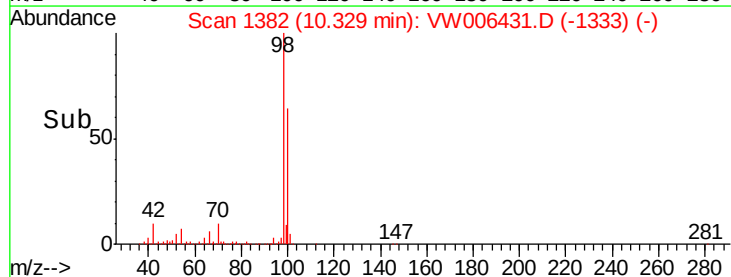
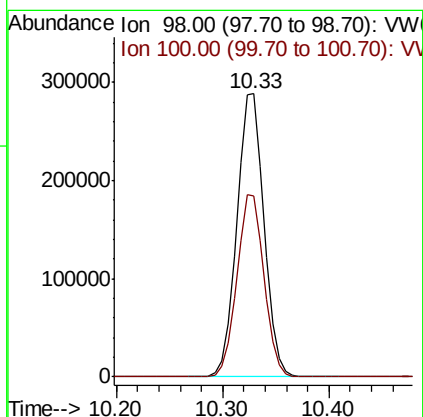
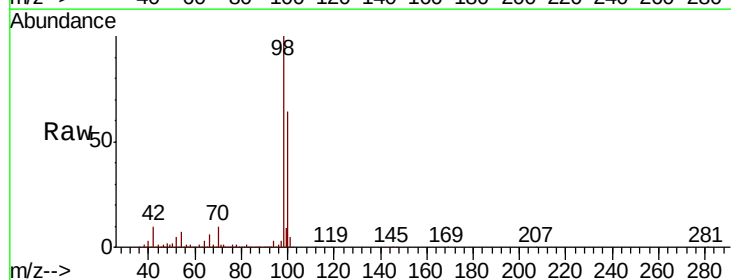
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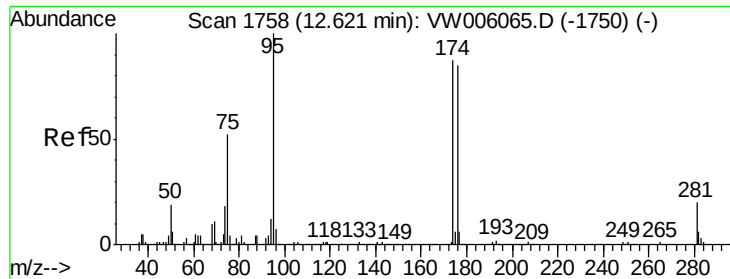
Tgt Ion:117 Resp: 27015
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.827 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

Tgt Ion: 98 Resp: 516211
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

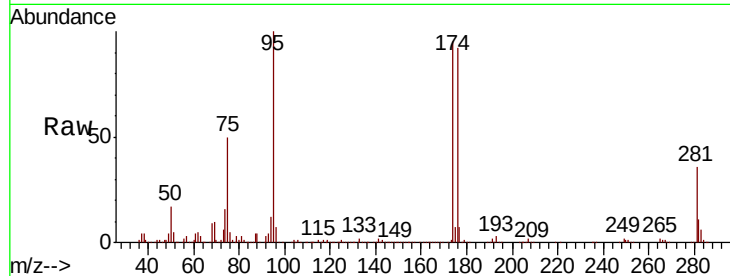




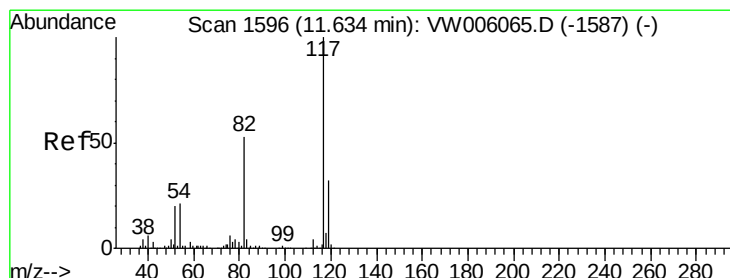
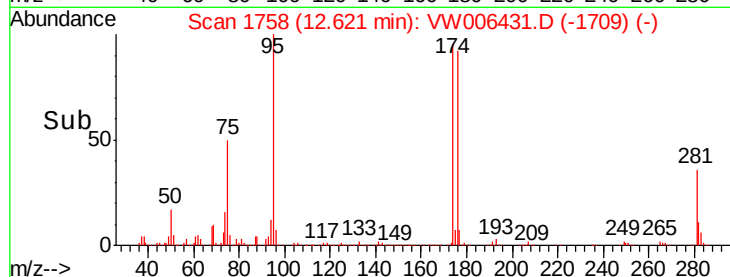
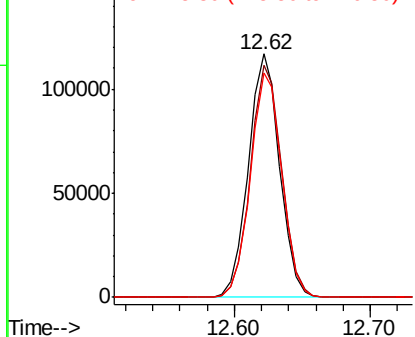
#62
4-Bromofluorobenzene
Concen: 48.406 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01BRE

Tgt Ion: 95 Resp: 188354
Ion Ratio Lower Upper
95 100
174 95.3 0.0 186.0
176 92.6 0.0 181.6

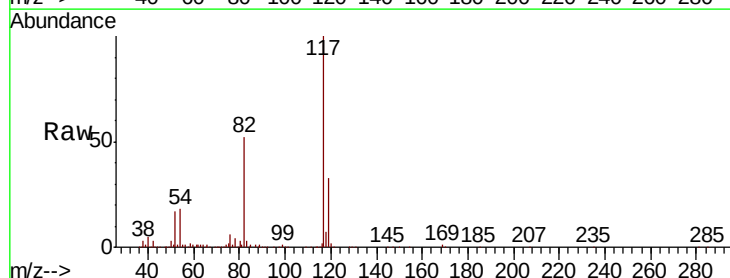


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

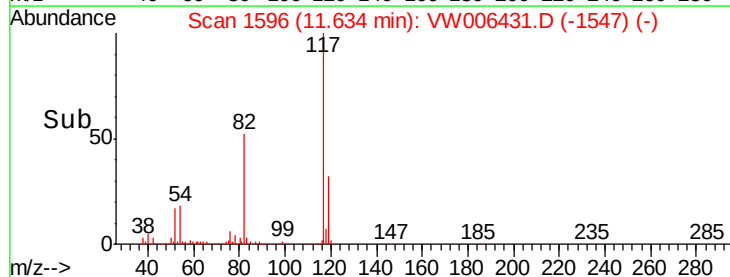
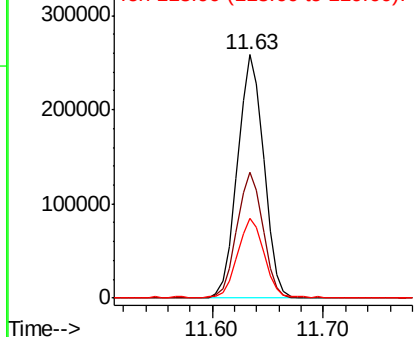


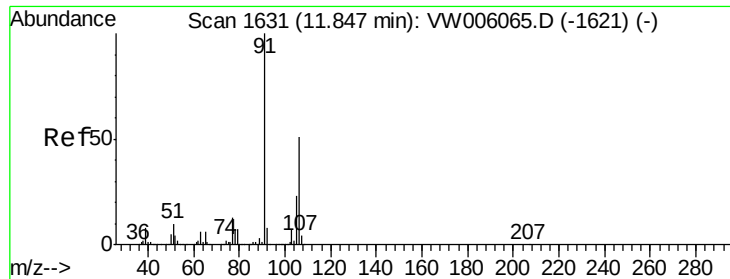
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

Tgt Ion: 117 Resp: 422591
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 32.3 25.8 38.6



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

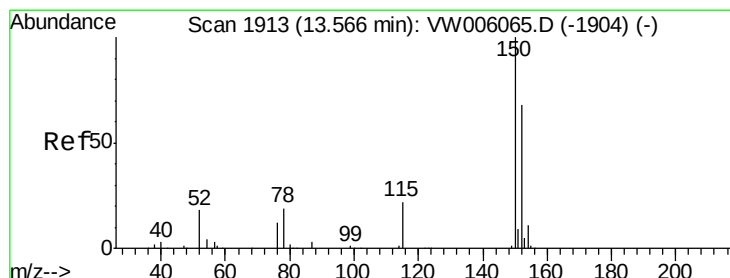
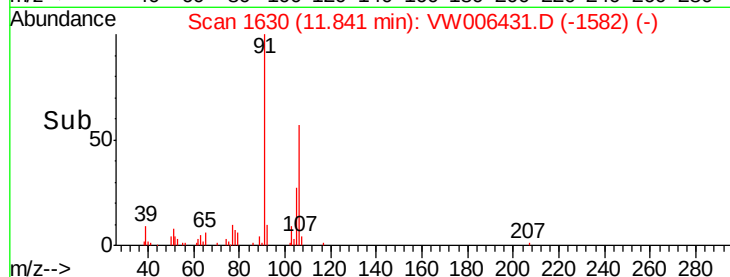
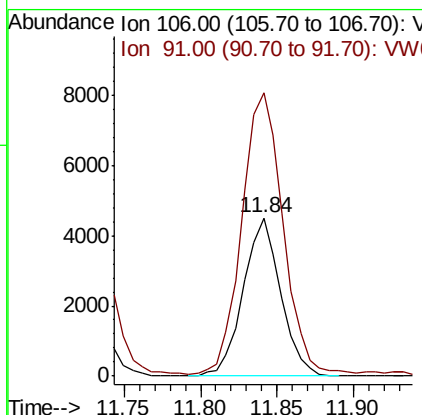
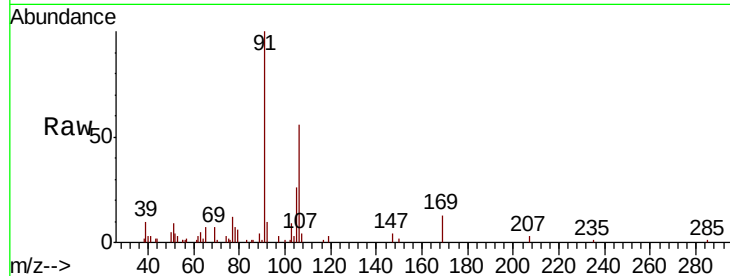




#68
m/p-Xylenes
Concen: 1.231 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

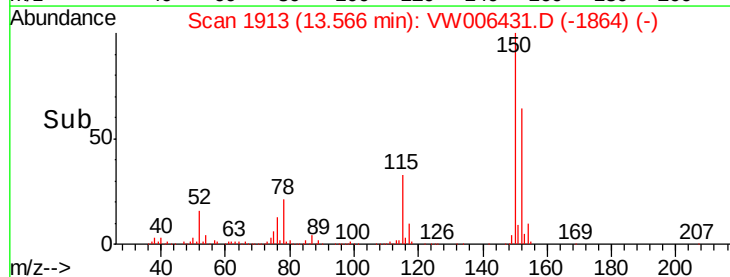
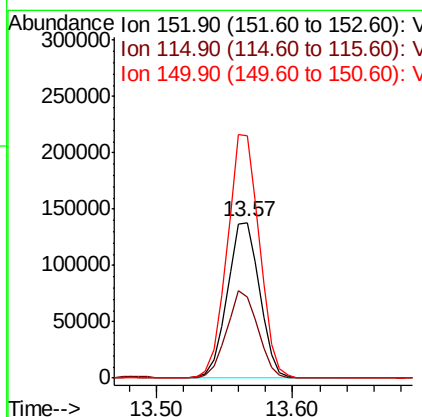
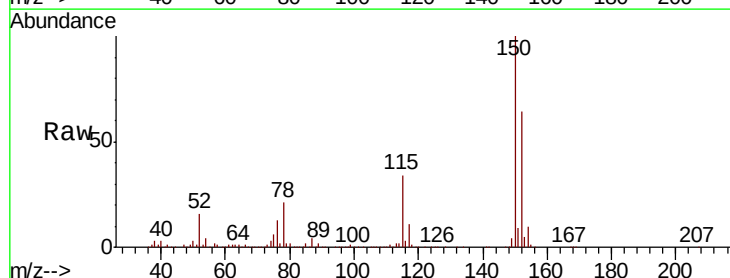
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01BRE

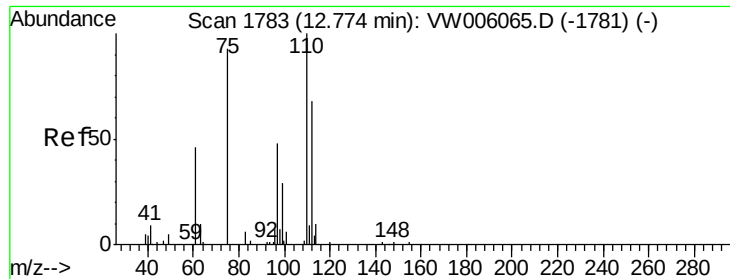
Tgt Ion:106 Resp: 7628
Ion Ratio Lower Upper
106 100
91 194.4 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

Tgt Ion:152 Resp: 227237
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.3
150 155.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 53.125 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006431.D

Acq: 27 Oct 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

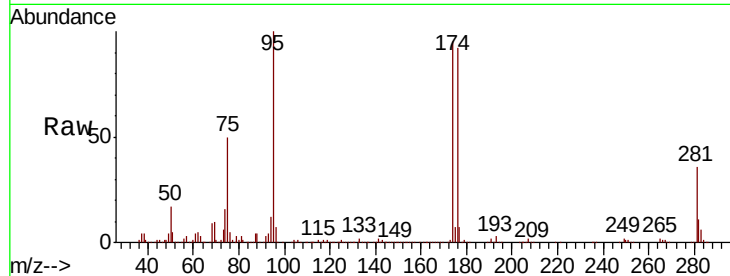
AOC1-01BRE

Tgt Ion: 75 Resp: 92206

Ion Ratio Lower Upper

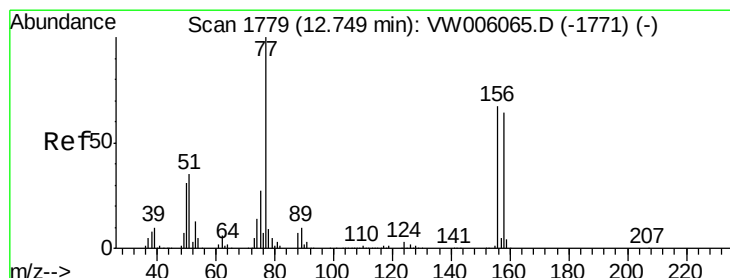
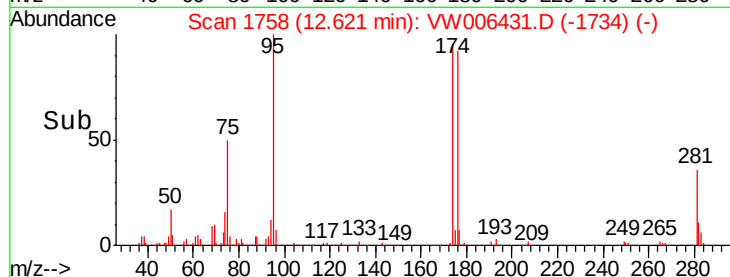
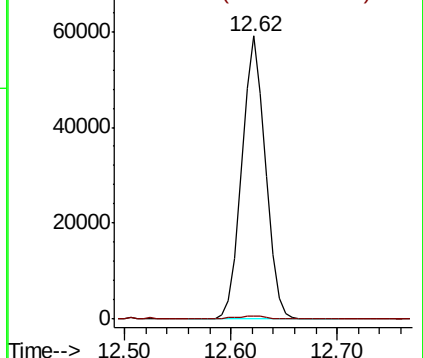
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 18.834 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW006431.D

Acq: 27 Oct 2018 04:50

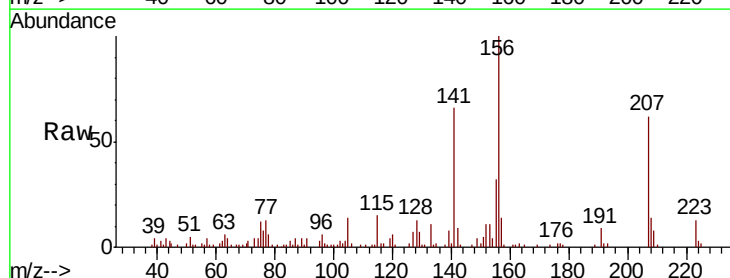
Tgt Ion: 156 Resp: 74056

Ion Ratio Lower Upper

156 100

77 0.0 79.1 237.4#

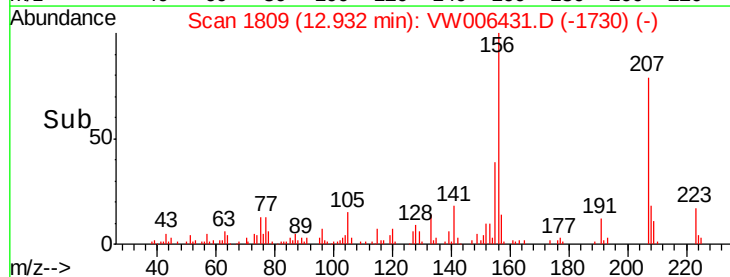
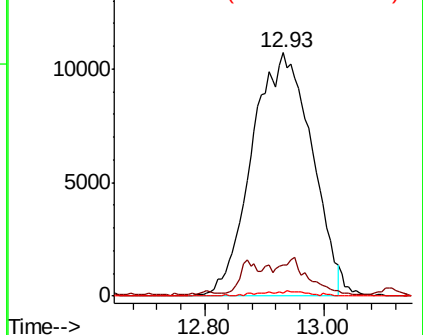
158 0.9 48.5 145.6#

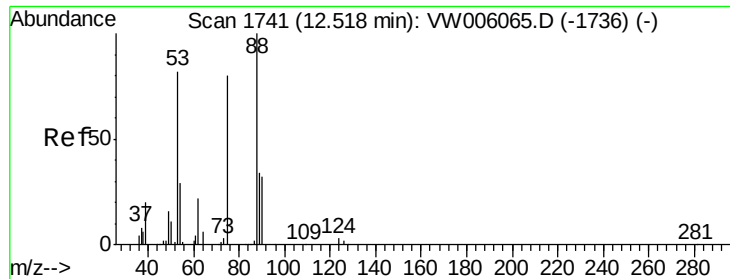


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 126.990 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006431.D

Acq: 27 Oct 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01BRE

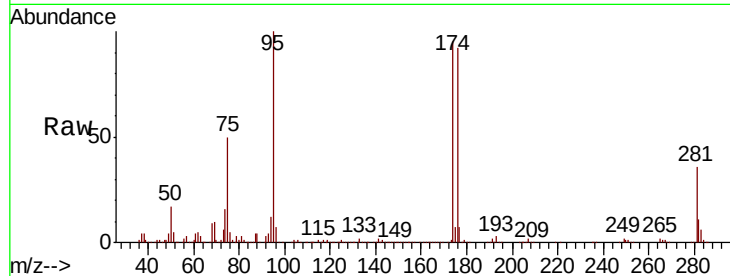
Tgt Ion: 75 Resp: 92206

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

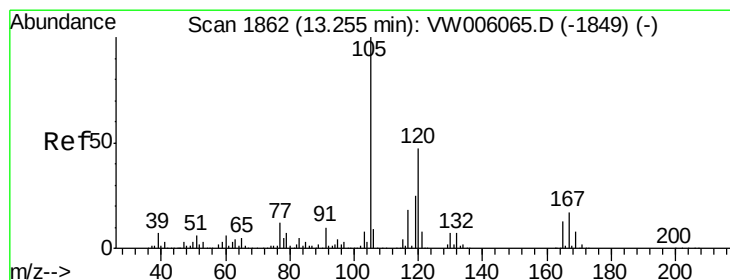
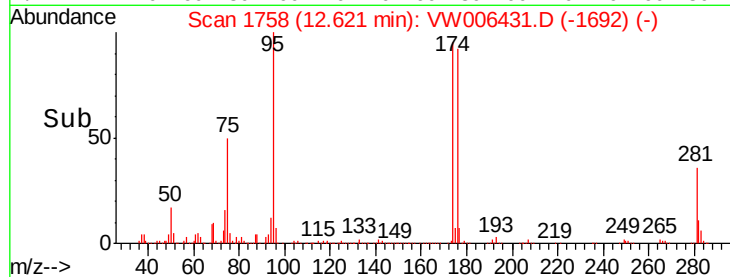
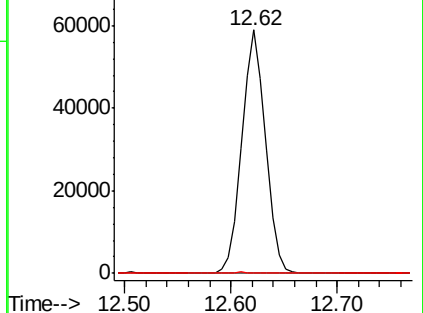
89 0.5 37.5 56.3#



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: 1.678 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006431.D

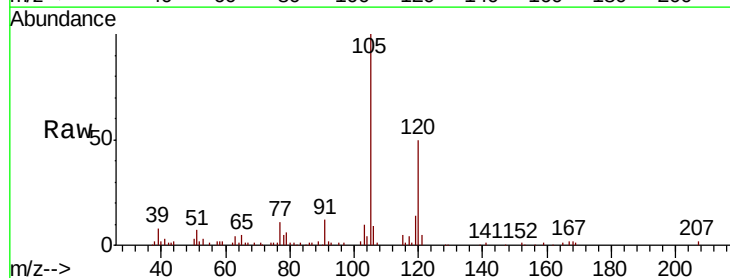
Acq: 27 Oct 2018 04:50

Tgt Ion: 105 Resp: 22980

Ion Ratio Lower Upper

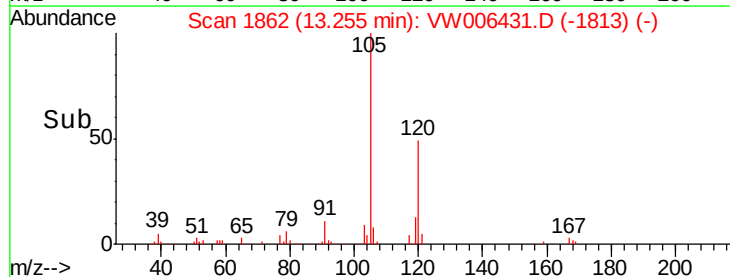
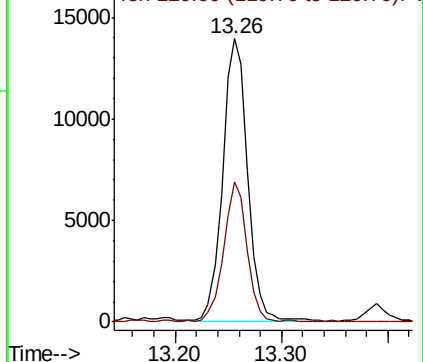
105 100

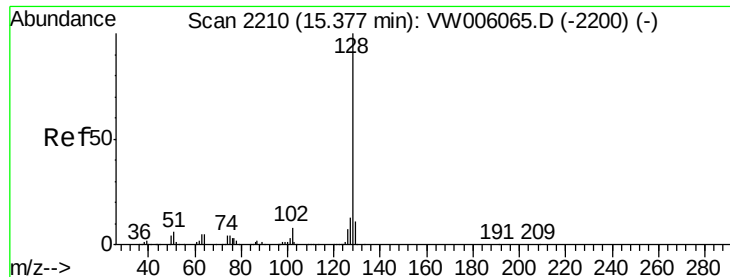
120 45.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

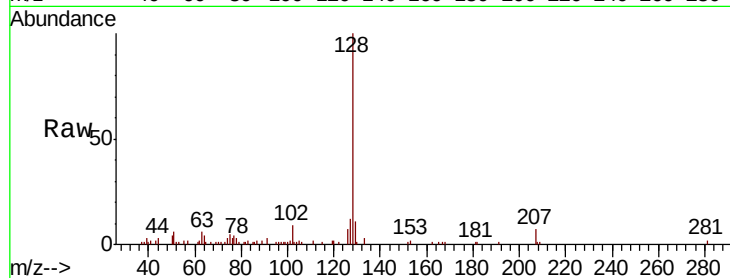




#95
Naphthalene
Concen: 1.897 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006431.D
Acq: 27 Oct 2018 04:50

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01BRE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.3	15.5
129	11.8	8.7	13.1



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

