

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006232.D
 Acq On : 19 Oct 2018 18:21
 Operator : VA/AP
 Sample : J5605-01RE
 Misc : 5.18G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-ARE

Quant Time: Oct 20 02:29:52 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	113406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	161726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	45684	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	47530	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.89	113	44373	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
50) Toluene-d8	10.33	98	154450	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	
62) 4-Bromofluorobenzene	12.62	95	45380	33.23	ug/l	0.00
Spiked Amount			Recovery	=	66.46%	

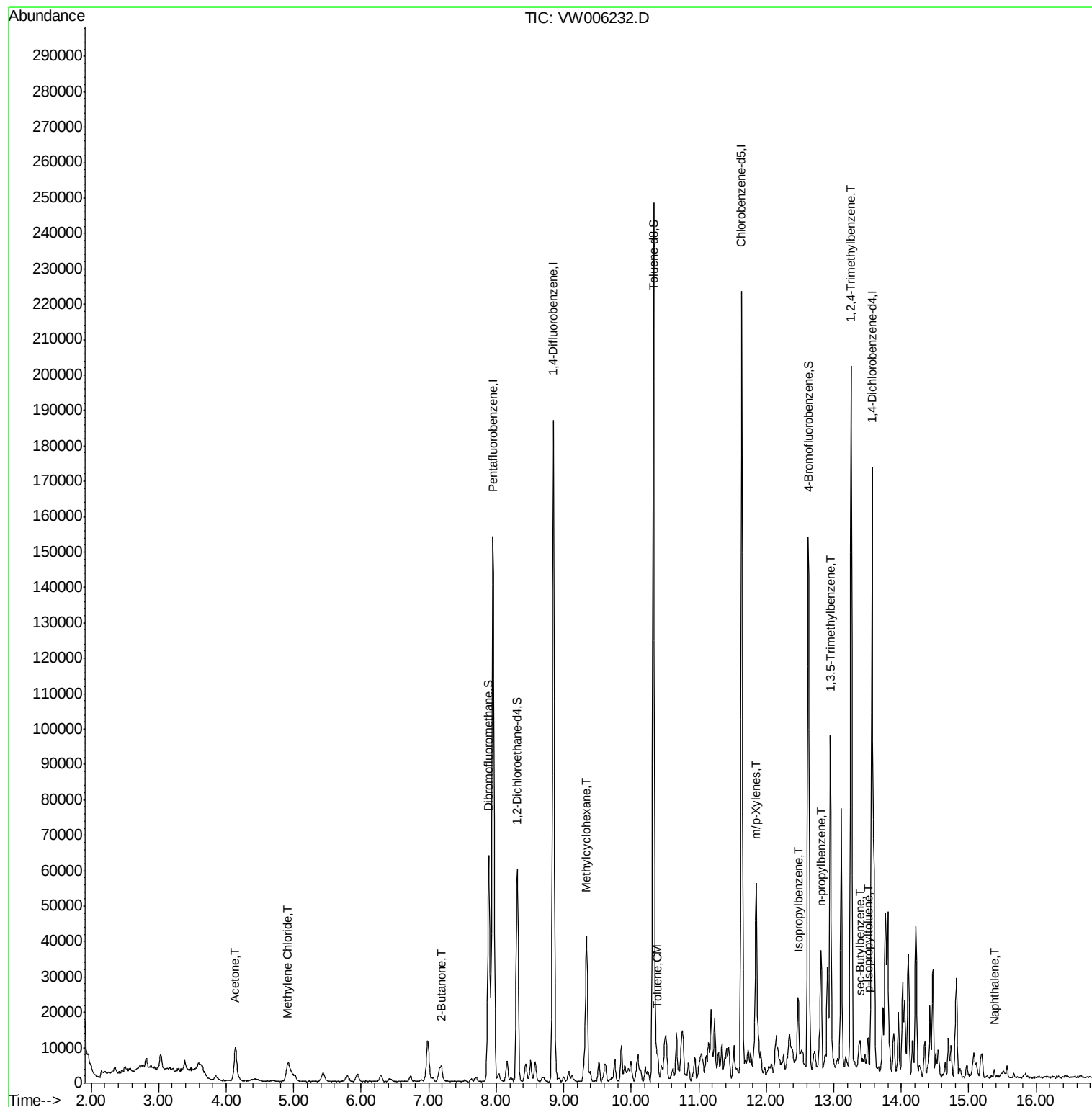
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	18280	94.423	ug/l	98
20) Methylene Chloride	4.91	84	3707	2.169	ug/l	98
25) 2-Butanone	7.19	43	6311	24.847	ug/l	93
39) Methylcyclohexane	9.34	83	16956	8.557	ug/l	96
52) Toluene	10.40	92	3313	1.209	ug/l	99
68) m/p-Xylenes	11.85	106	15773	8.462	ug/l	99
73) Isopropylbenzene	12.47	105	11867	3.677	ug/l	99
78) n-propylbenzene	12.81	91	25186	6.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	45140	16.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	107667	39.106	ug/l	99
85) sec-Butylbenzene	13.39	105	4592	1.335	ug/l #	58
86) p-Isopropyltoluene	13.51	119	5220	1.678	ug/l	93
95) Naphthalene	15.38	128	2258	1.257	ug/l	99

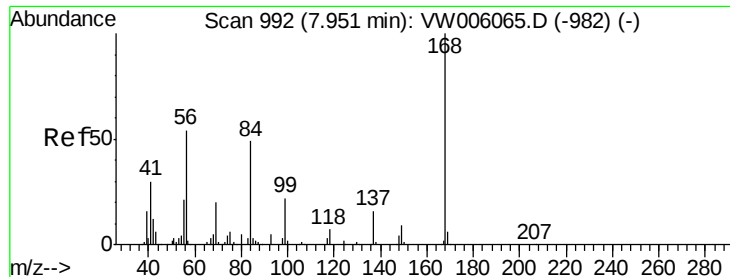
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\
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Instrument :
MSVOA_W
ClientSampleId :
TP-ARE

Quant Time: Oct 20 02:29:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
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: VW006232.D

Acq: 19 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

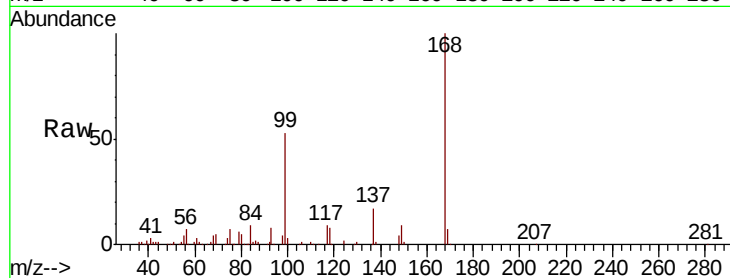
TP-ARE

Tot Ion:168 Resp: 113406

Ion Ratio Lower Upper

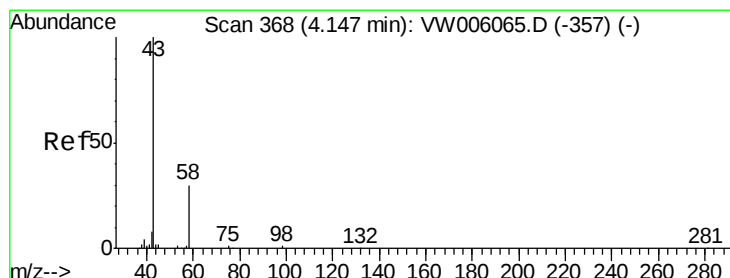
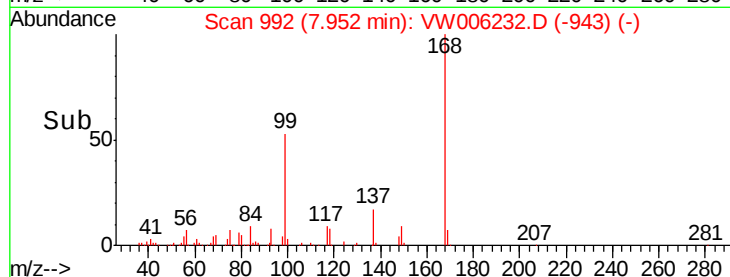
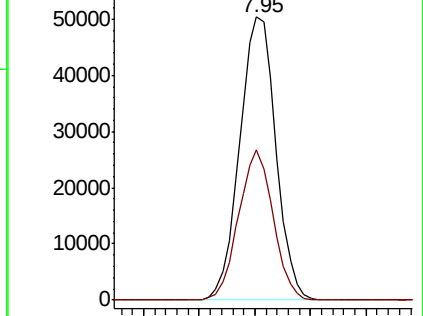
168 100

99 52.9 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: 94.423 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006232.D

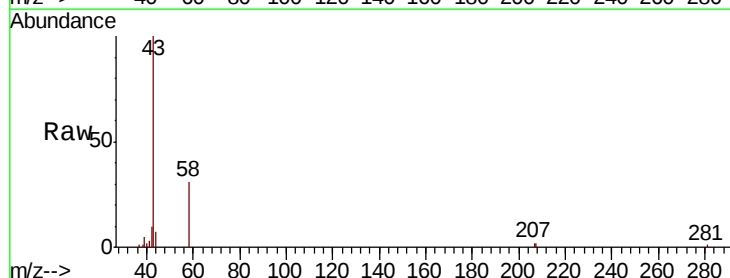
Acq: 19 Oct 2018 18:21

Tgt Ion: 43 Resp: 18280

Ion Ratio Lower Upper

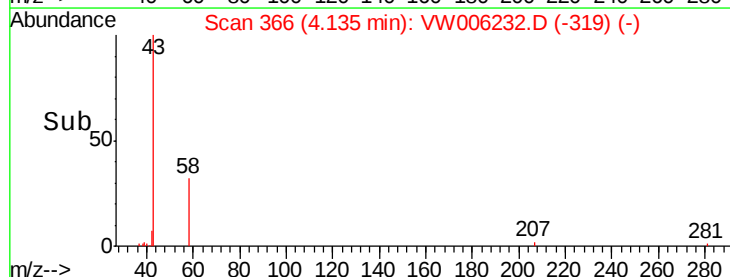
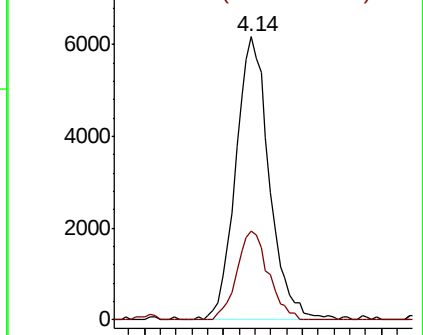
43 100

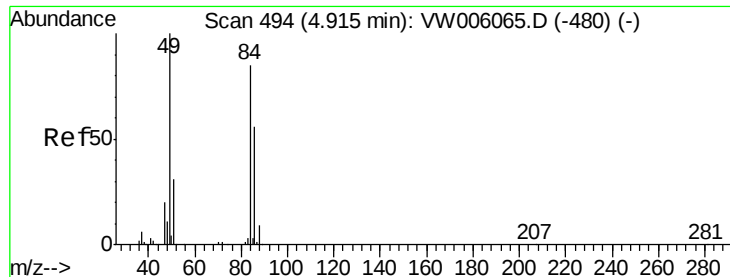
58 31.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 2.169 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006232.D

Acq: 19 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

TP-ARE

Tot Ion: 84 Resp: 3707

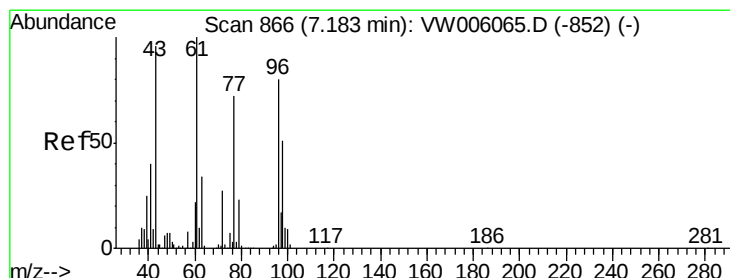
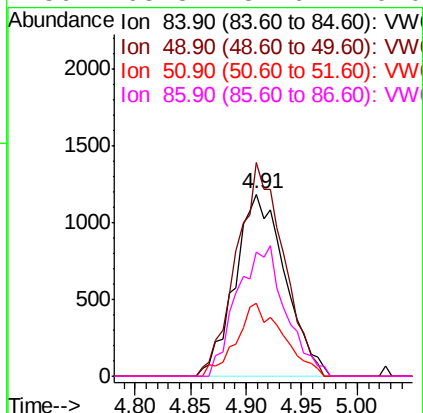
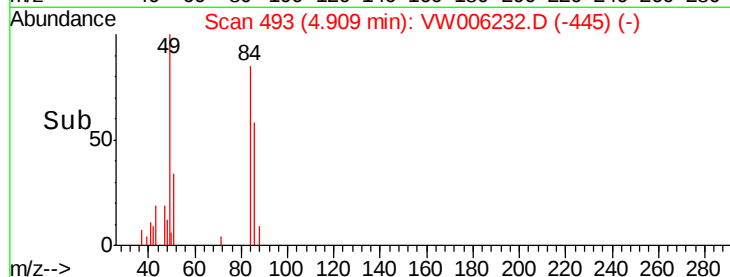
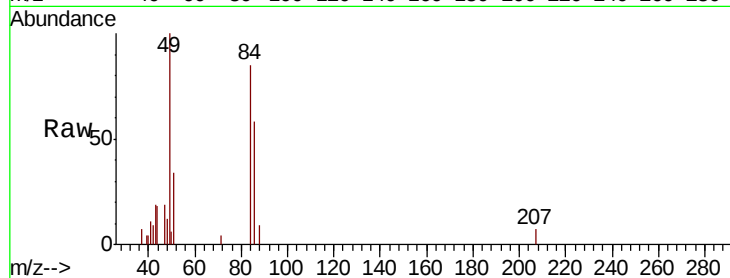
Ion Ratio Lower Upper

84 100

49 117.1 93.6 140.4

51 40.1 29.0 43.4

86 68.3 52.6 79.0



#25

2-Butanone

Concen: 24.847 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006232.D

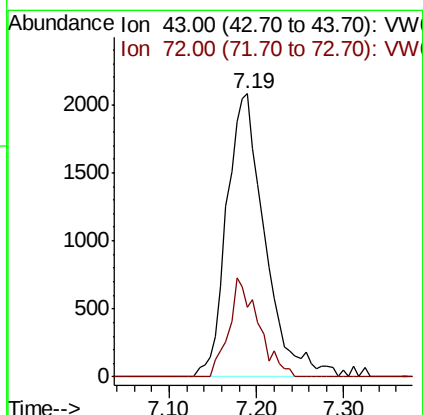
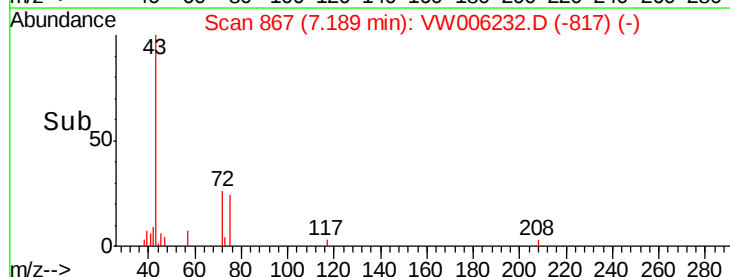
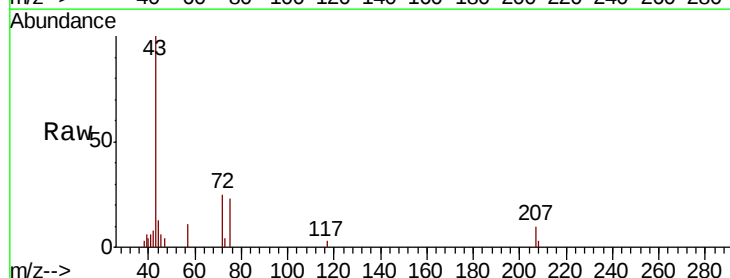
Acq: 19 Oct 2018 18:21

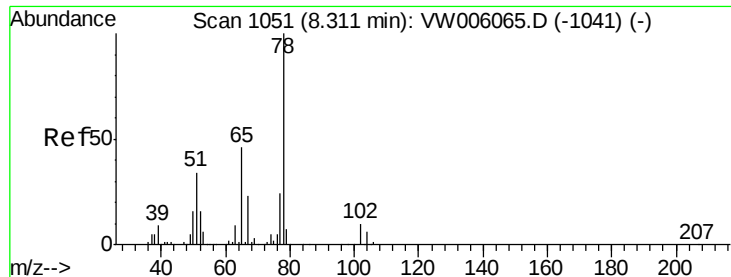
Tgt Ion: 43 Resp: 6311

Ion Ratio Lower Upper

43 100

72 24.6 22.8 34.2





#33

1,2-Dichloroethane-d4

Concen: 50.553 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006232.D

Acq: 19 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

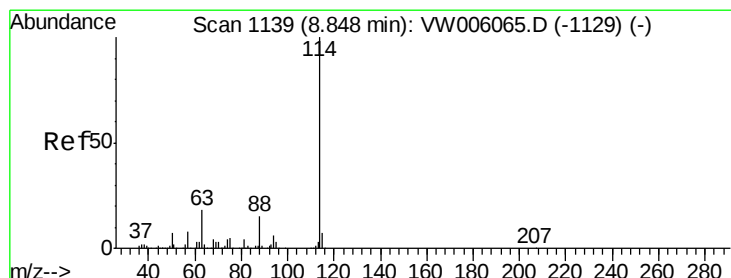
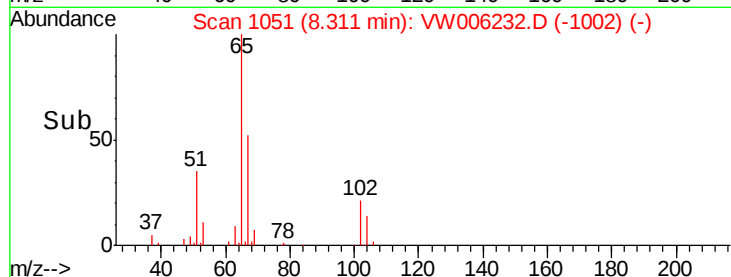
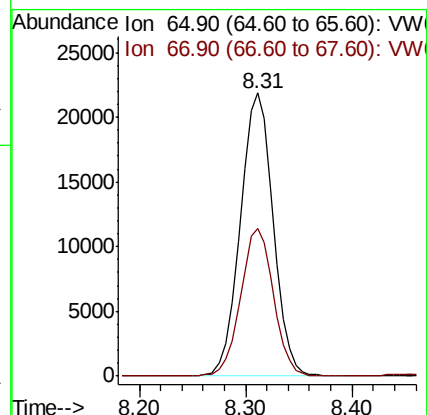
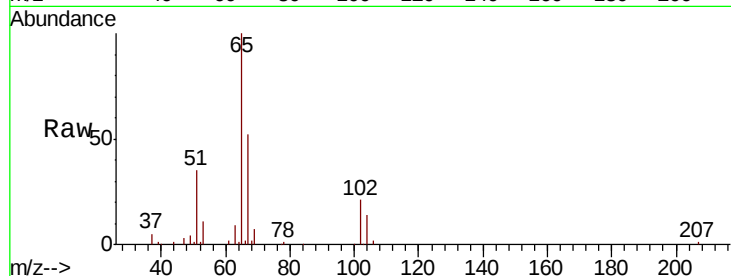
TP-ARE

Tot Ion: 65 Resp: 47530

Ion Ratio Lower Upper

65 100

67 52.0 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: VW006232.D

Acq: 19 Oct 2018 18:21

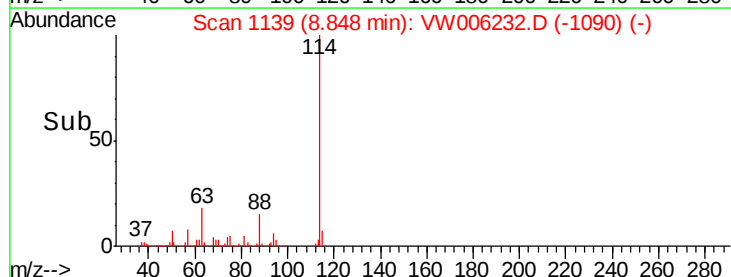
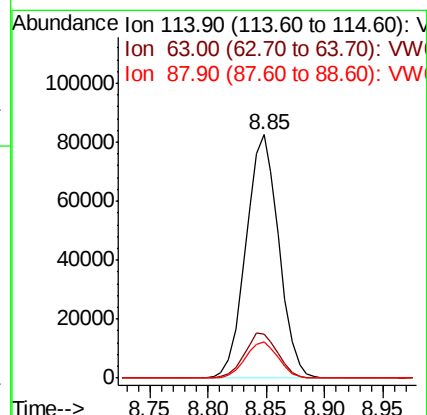
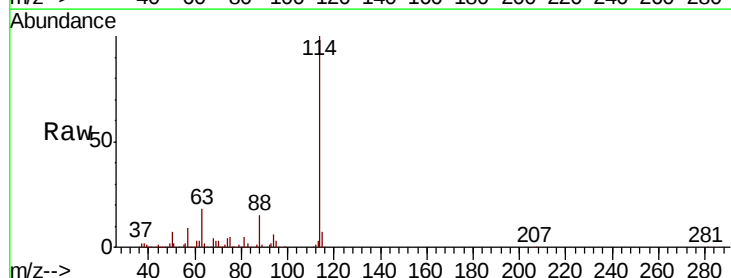
Tgt Ion: 114 Resp: 161726

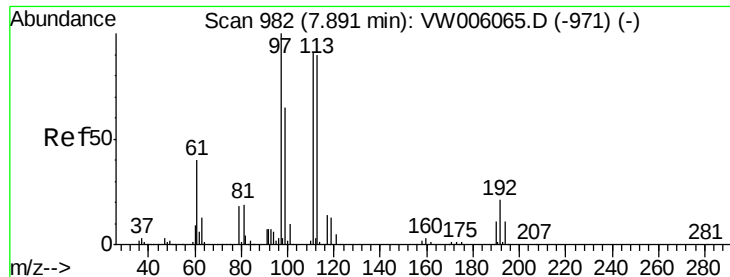
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 14.7 0.0 29.0

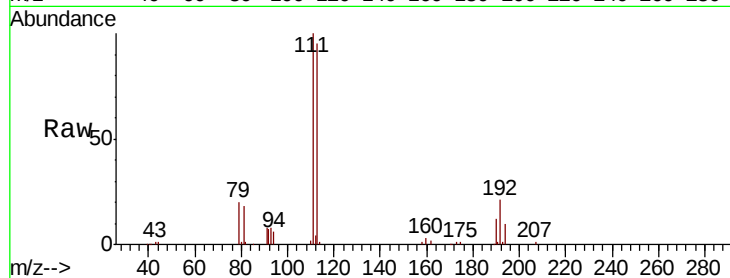




#35
 Dibromofluoromethane
 Concen: 46.433 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006232.D
 Acq: 19 Oct 2018 18:21

Instrument :
 MSVOA_W
 ClientSampled :
 TP-ARE

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	22.4	18.7	28.1

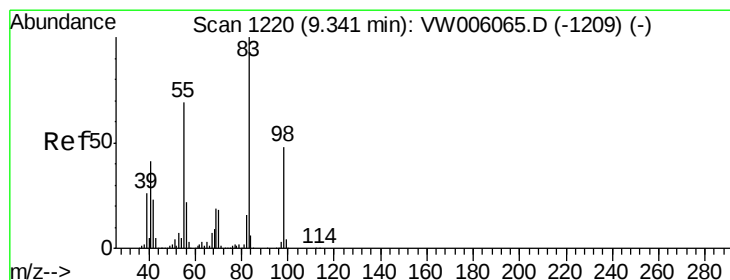
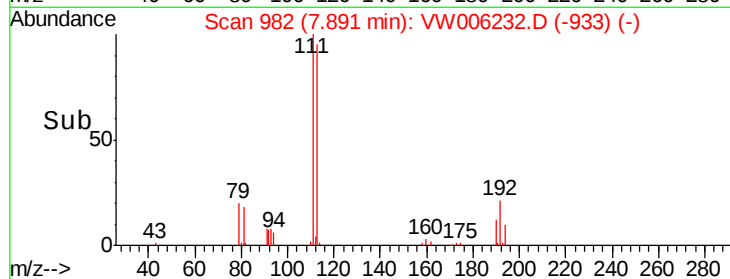
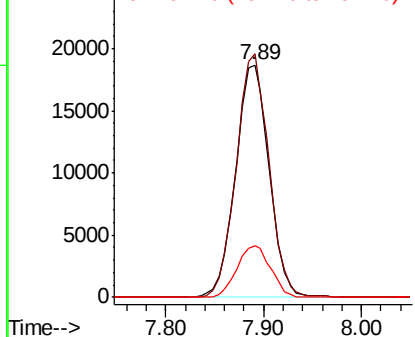


Abundance

Ion 112.80 (112.50 to 113.50): V

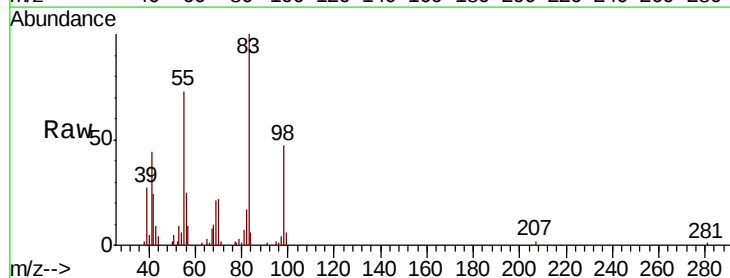
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
 Methylcyclohexane
 Concen: 8.557 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW006232.D
 Acq: 19 Oct 2018 18:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.1	55.0	82.6
98	47.4	38.6	57.8

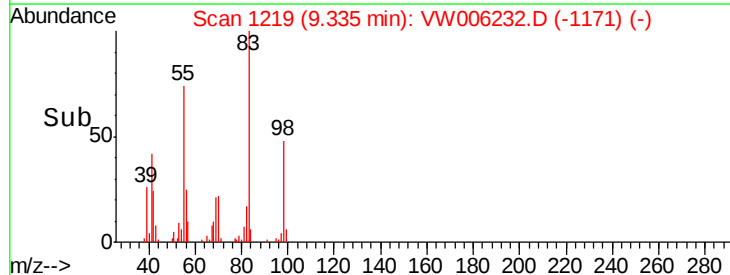
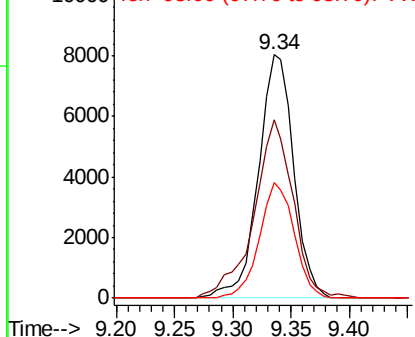


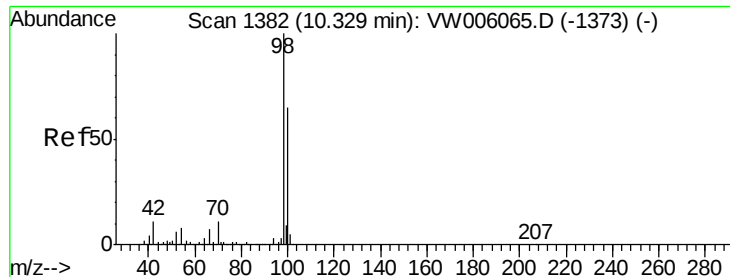
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 42.481 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006232.D

Acq: 19 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

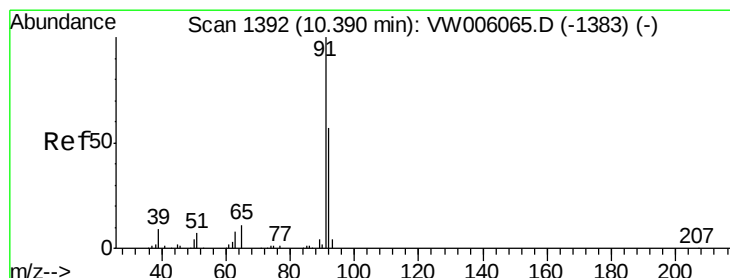
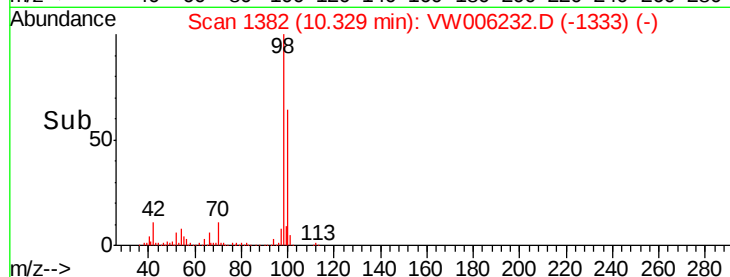
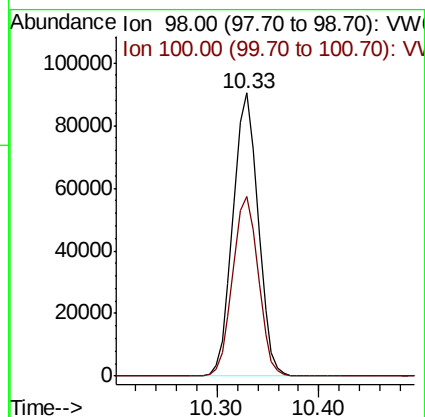
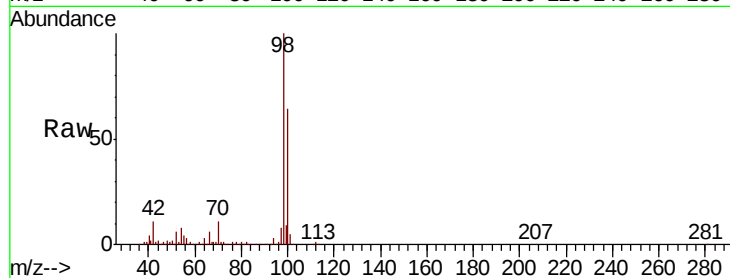
TP-ARE

Tot Ion: 98 Resp: 154450

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#52

Toluene

Concen: 1.209 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW006232.D

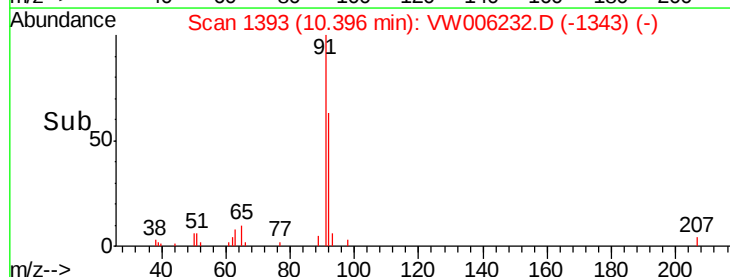
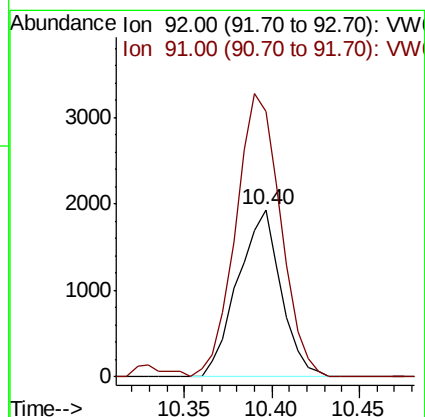
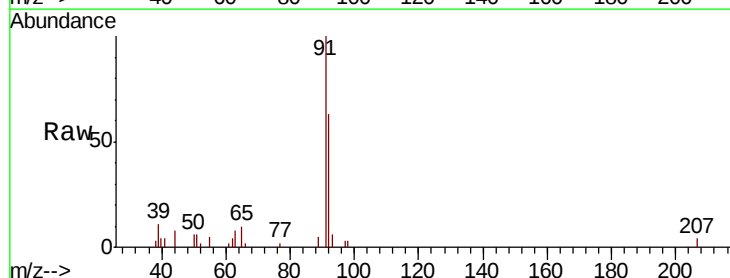
Acq: 19 Oct 2018 18:21

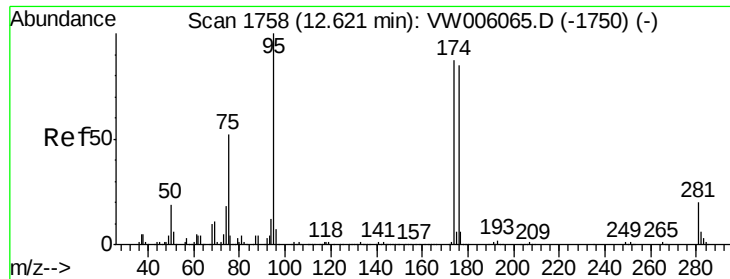
Tgt Ion: 92 Resp: 3313

Ion Ratio Lower Upper

92 100

91 176.3 140.0 210.0

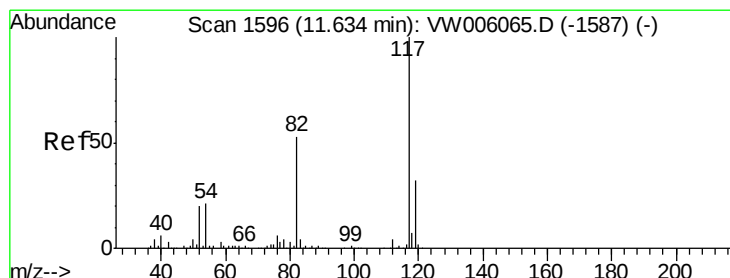
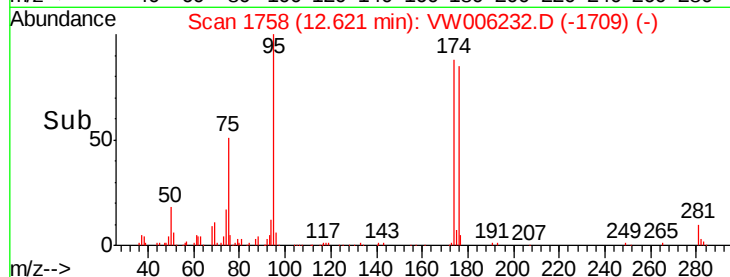
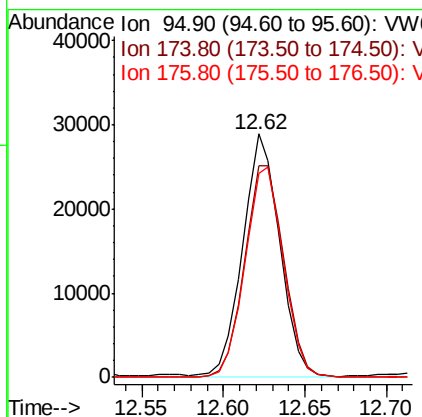
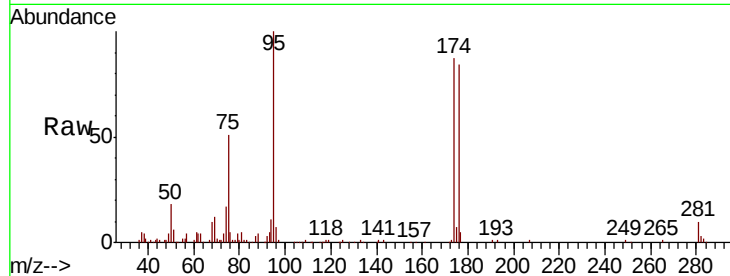




#62
4-Bromofluorobenzene
Concen: 33.233 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006232.D
Acq: 19 Oct 2018 18:21

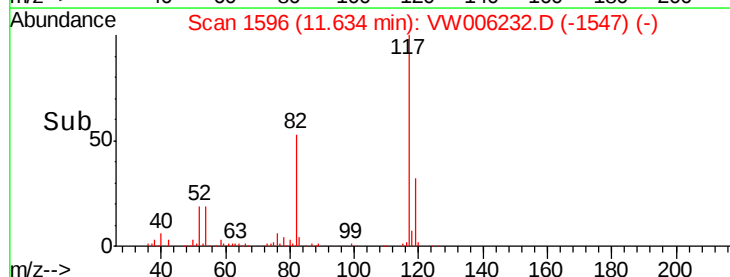
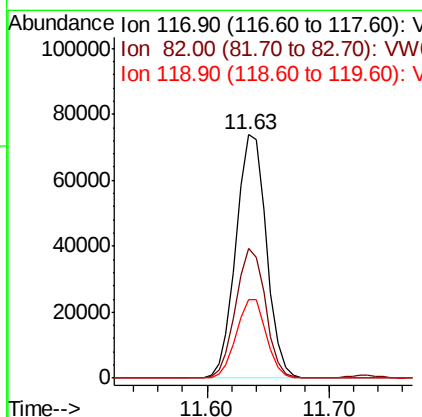
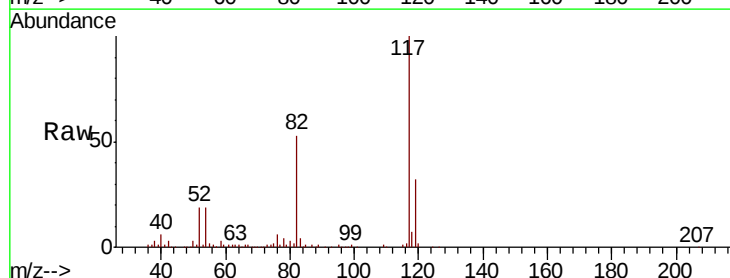
Instrument :
MSVOA_W
ClientSampleId :
TP-ARE

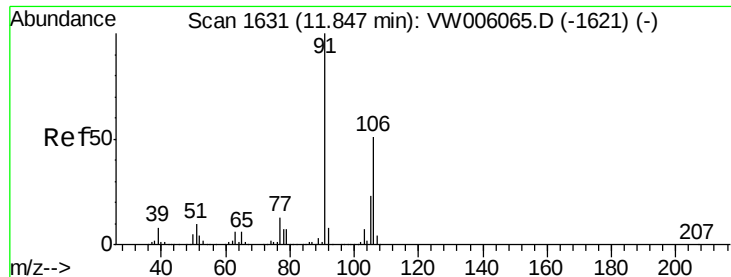
Tot Ion: 95 Resp: 45380
Ion Ratio Lower Upper
95 100
174 92.5 0.0 186.0
176 89.6 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006232.D
Acq: 19 Oct 2018 18:21

Tgt Ion: 117 Resp: 127111
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.1 25.8 38.6

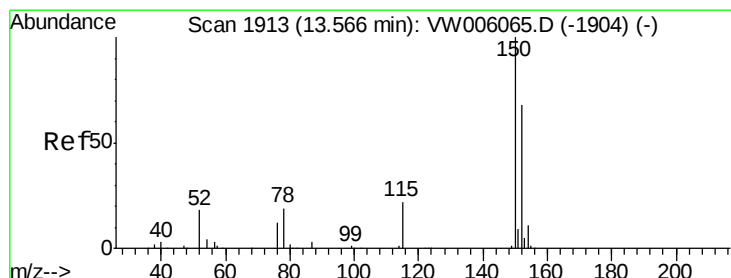
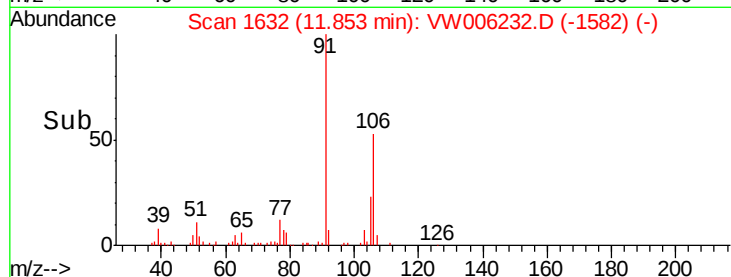
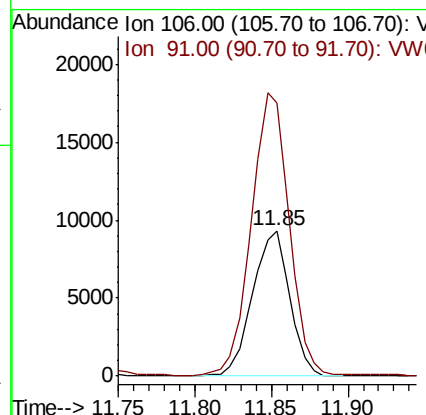
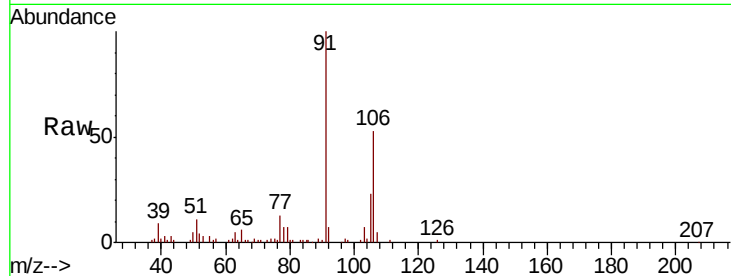




#68
m/p-Xvlenes
Concen: 8.462 ug/l
RT: 11.85 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VW006232.D
Acq: 19 Oct 2018 18:21

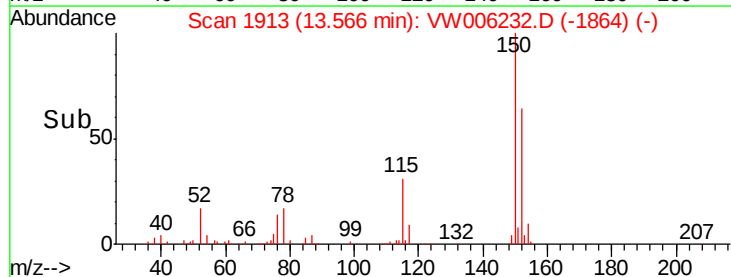
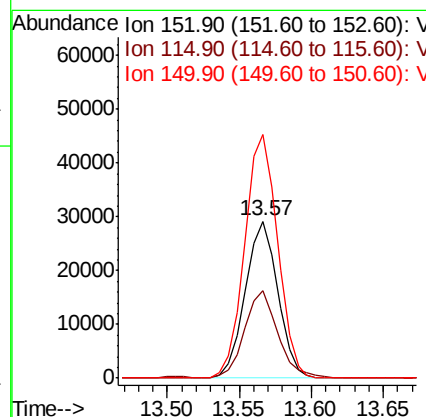
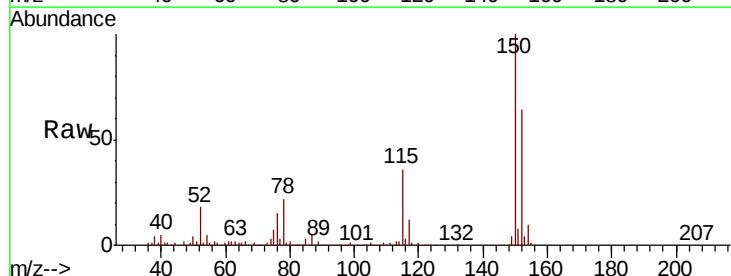
Instrument :
MSVOA_W
ClientSampled :
TP-ARE

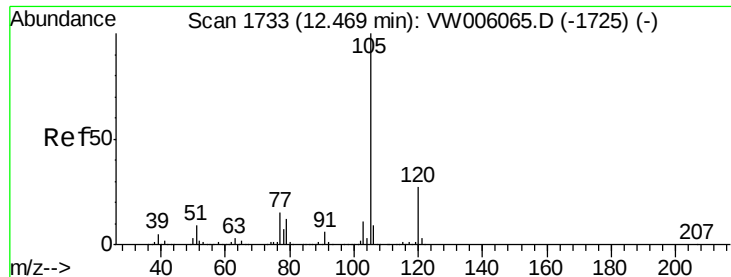
Tot Ion:106 Resp: 15773
Ion Ratio Lower Upper
106 100
91 200.9 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006232.D
Acq: 19 Oct 2018 18:21

Tgt Ion:152 Resp: 45684
Ion Ratio Lower Upper
152 100
115 57.4 27.8 83.3
150 156.7 0.0 349.2





#73

Isopropylbenzene

Concen: 3.677 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006232.D

Acq: 19 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

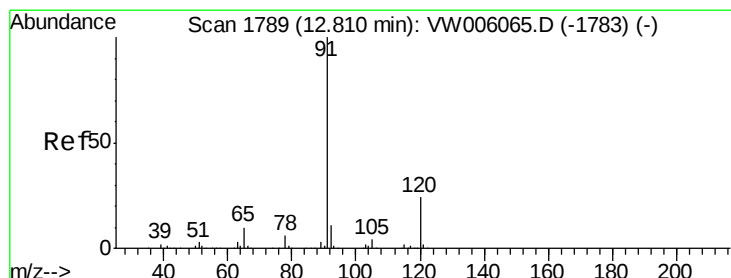
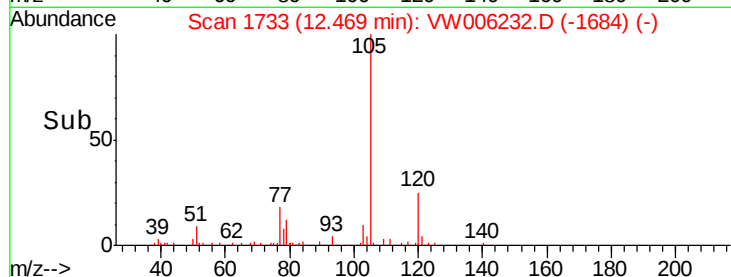
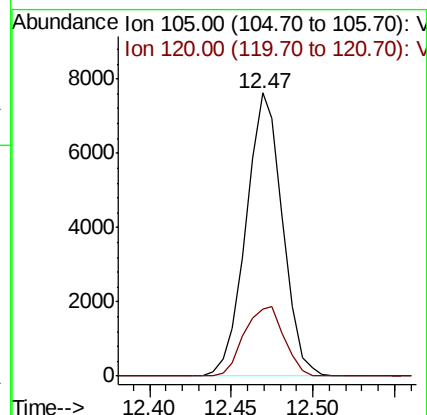
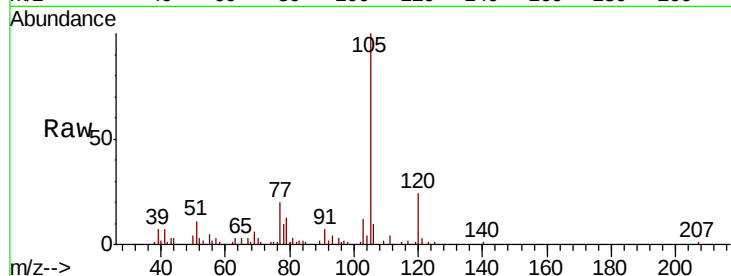
TP-ARE

Tot Ion:105 Resp: 11867

Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.7



#78

n-propylbenzene

Concen: 6.708 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006232.D

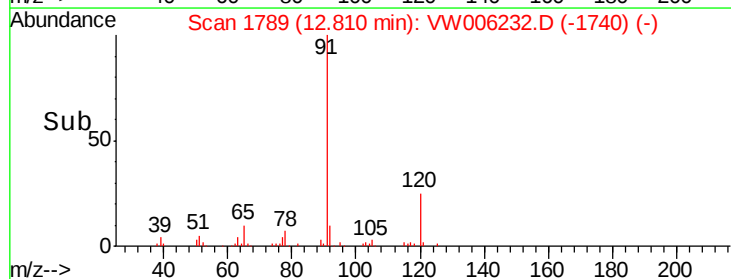
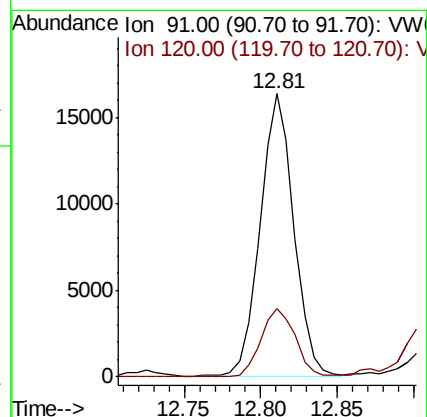
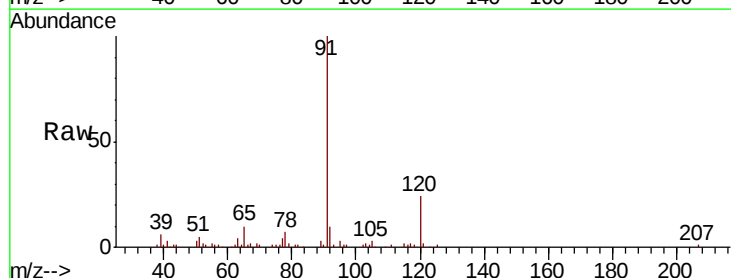
Acq: 19 Oct 2018 18:21

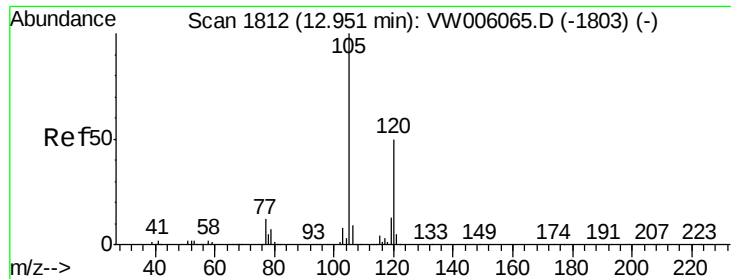
Tgt Ion: 91 Resp: 25186

Ion Ratio Lower Upper

91 100

120 24.5 12.2 36.6

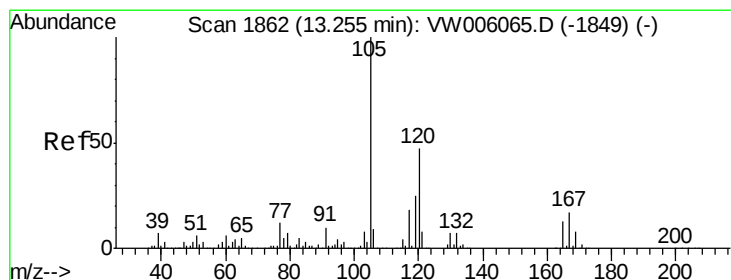
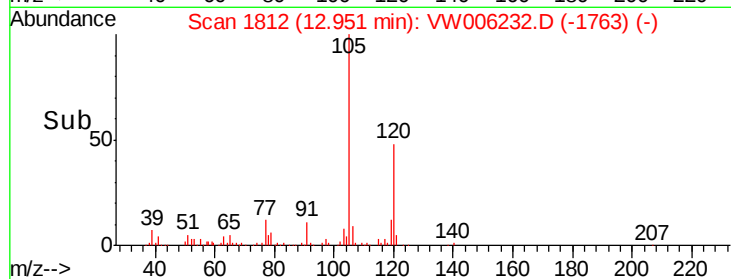
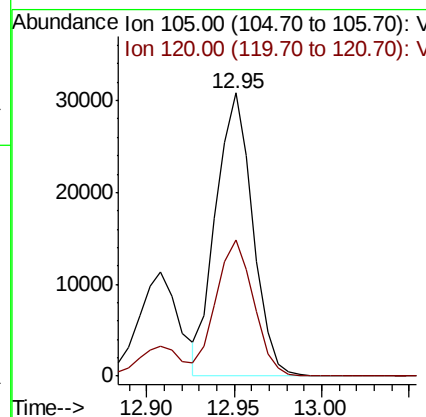
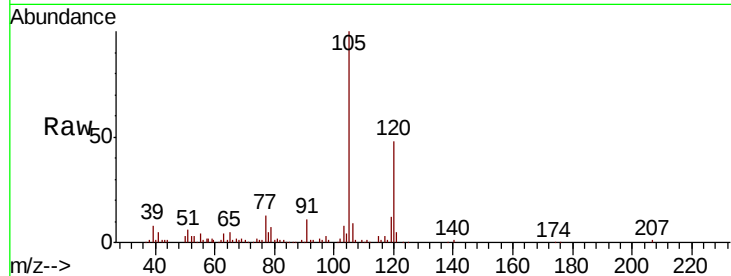




#80
 1,3,5-Trimethylbenzene
 Concen: 16.591 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006232.D
 Acq: 19 Oct 2018 18:21

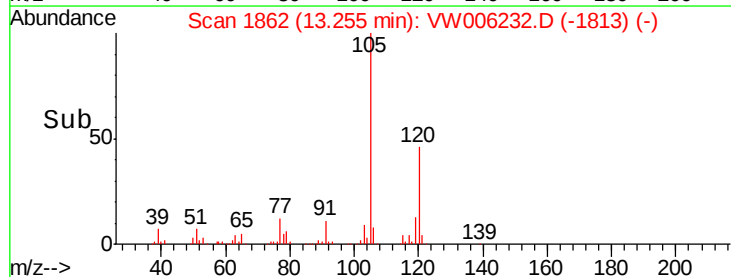
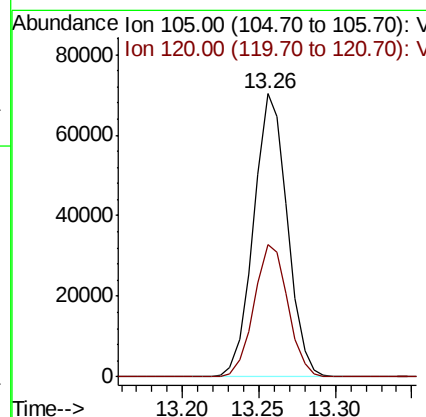
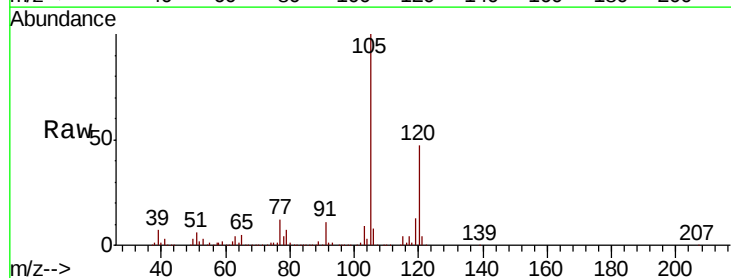
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-ARE

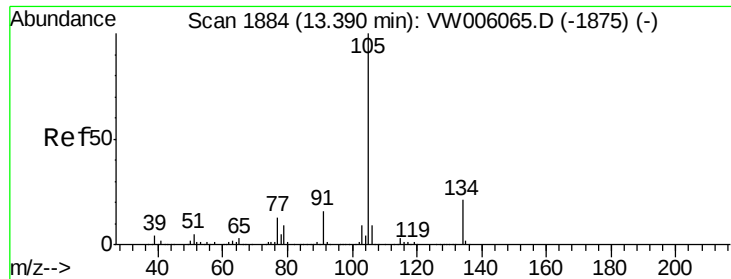
Tot Ion:105 Resp: 45140
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 39.106 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006232.D
 Acq: 19 Oct 2018 18:21

Tgt Ion:105 Resp: 107667
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.1 69.3

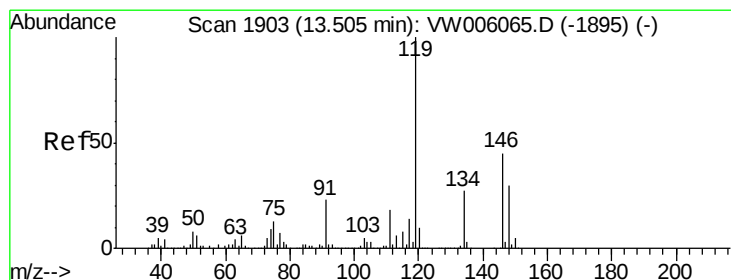
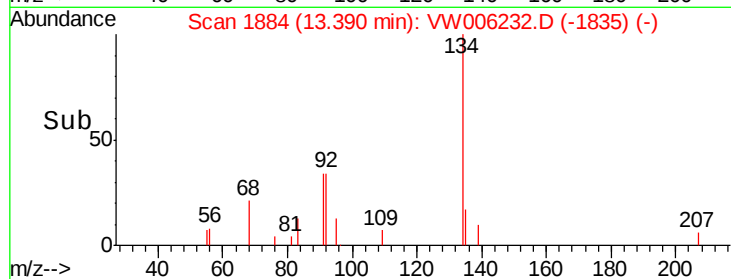
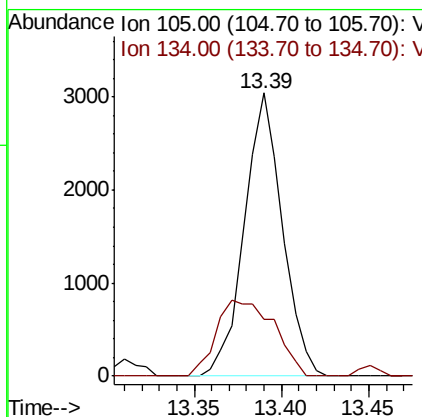
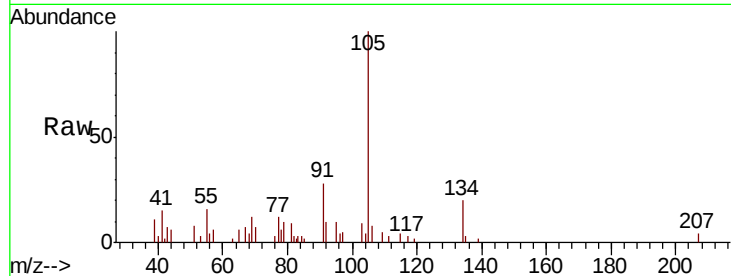




#85
 sec-Butylbenzene
 Concen: 1.335 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006232.D
 Acq: 19 Oct 2018 18:21

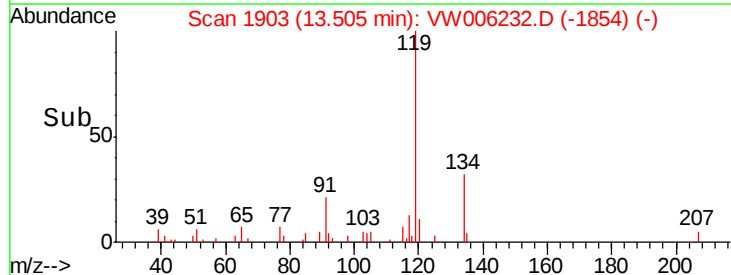
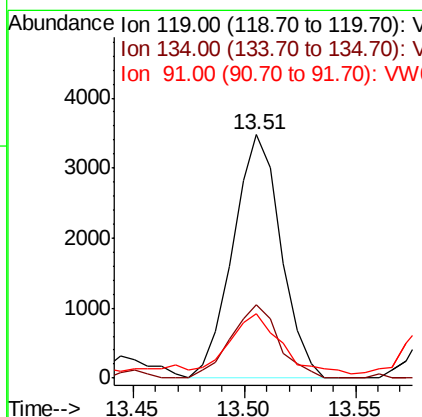
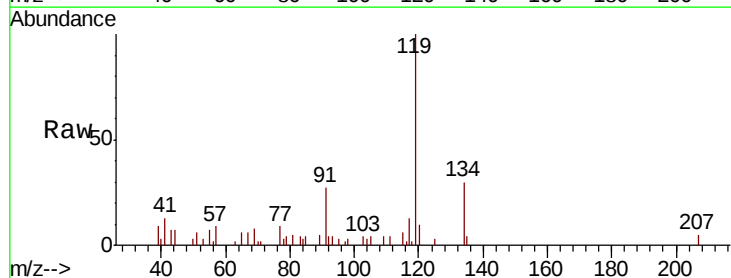
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-ARE

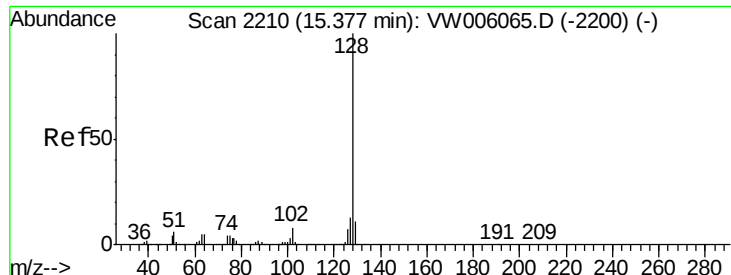
Tot Ion:105 Resp: 4592
 Ion Ratio Lower Upper
 105 100
 134 40.7 10.5 31.6#



#86
 p-Isopropyltoluene
 Concen: 1.678 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006232.D
 Acq: 19 Oct 2018 18:21

Tgt Ion:119 Resp: 5220
 Ion Ratio Lower Upper
 119 100
 134 30.2 13.4 40.2
 91 26.4 11.4 34.1





#95

Naphthalene

Concen: 1.257 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006232.D

Acq: 19 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

TP-ARE

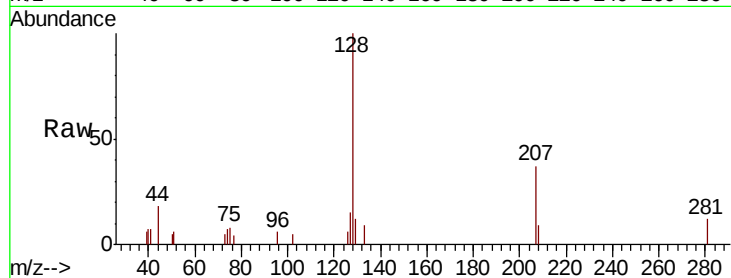
Tot Ion:128 Resp: 2258

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.0 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

