

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005314.D
 Acq On : 12 Sep 2018 09:47
 Operator : SY/AP
 Sample : J4777-05RE
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 10:57:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	480676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	768263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	637777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	242074	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	208561	58.17	ug/l	0.00
Spiked Amount			Recovery	=	116.34%	
35) Dibromofluoromethane	7.89	113	191959	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.33	98	703353	34.59	ug/l	0.00
Spiked Amount			Recovery	=	69.18%	
62) 4-Bromofluorobenzene	12.63	95	234504	31.53	ug/l	0.00
Spiked Amount			Recovery	=	63.06%	

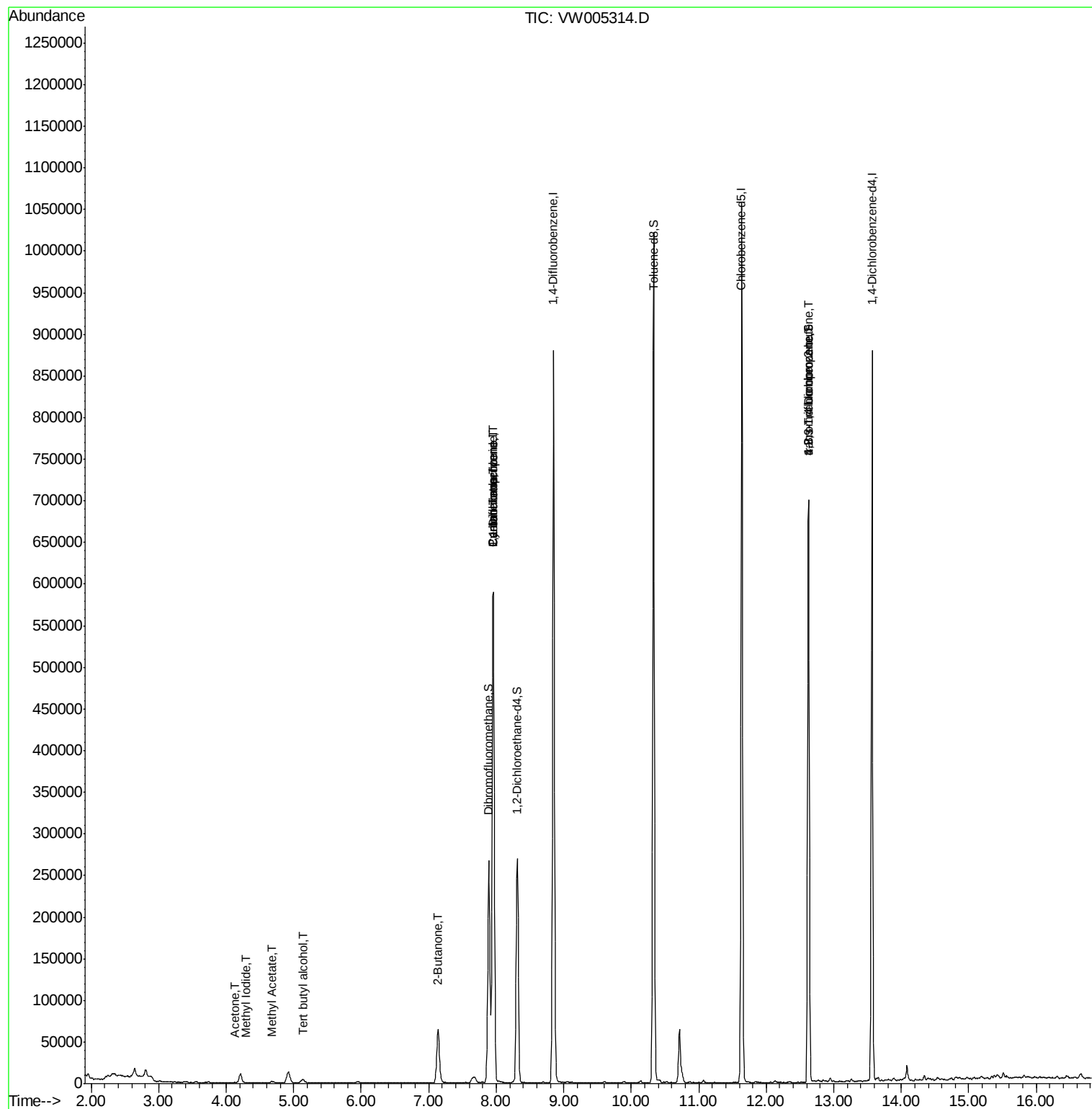
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	1176	Below Cal	#	48
10) Methyl Iodide	4.29	142	481	3.414	ug/l #	58
11) Tert butyl alcohol	5.13	59	4234	14.401	ug/l #	73
16) Acetone	4.14	43	748	1.124	ug/l	97
18) Methyl Acetate	4.68	43	3025	1.523	ug/l	97
20) Methylene Chloride	4.92	84	11057	Below Cal		94
25) 2-Butanone	7.14	43	3013	2.870	ug/l #	69
31) Cyclohexane	7.96	56	8299	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	32745	4.652	ug/l #	48
38) Carbon Tetrachloride	7.96	117	43321	6.570	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	108507	58.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	108507	136.673	ug/l #	16

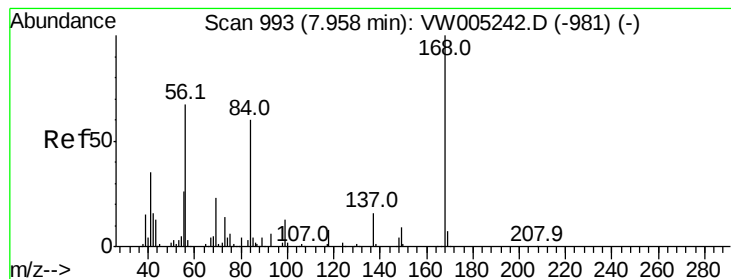
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091118\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005314.D

Acq: 12 Sep 2018 09:47

Instrument :

MSVOA_W

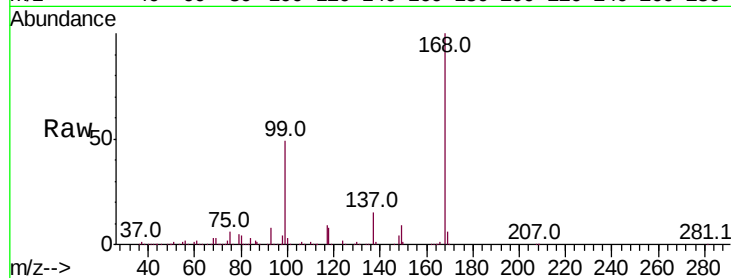
ClientSampled :

Tot Ion:168 Resp: 480676

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

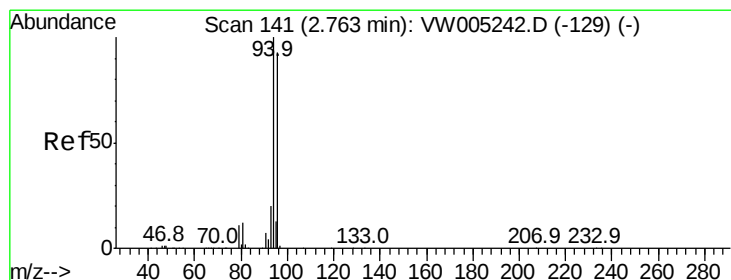
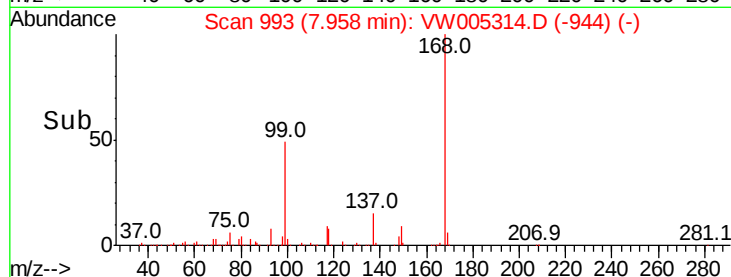
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005314.D

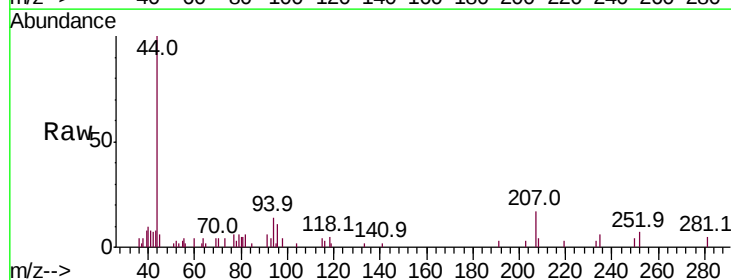
Acq: 12 Sep 2018 09:47

Tgt Ion: 94 Resp: 1176

Ion Ratio Lower Upper

94 100

96 43.3 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

400

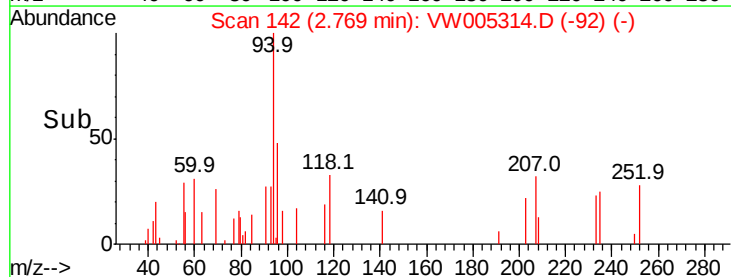
300

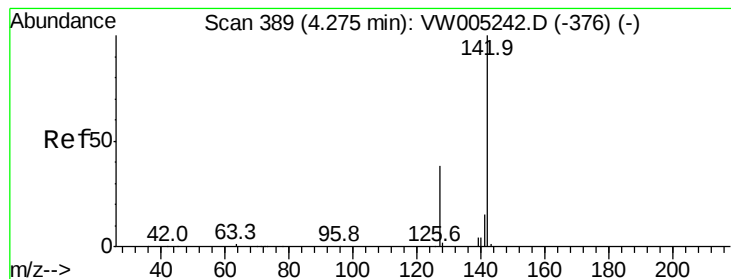
200

100

0

Time--> 2.70 2.75 2.80 2.85





#10

Methvl Iodide

Concen: 3.414 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW005314.D

Acq: 12 Sep 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

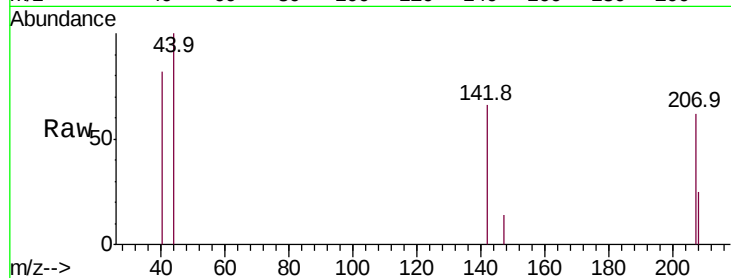
Tot Ion:142 Resp: 481

Ion Ratio Lower Upper

142 100

127 11.0 30.3 45.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

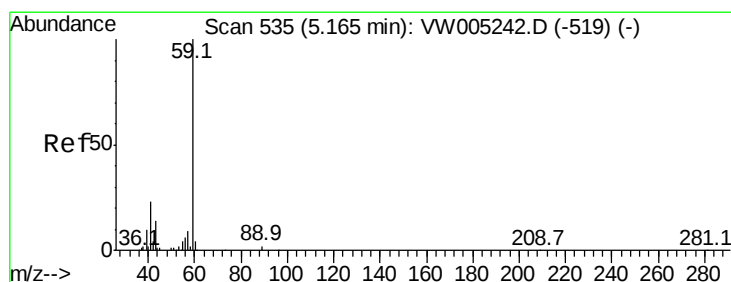
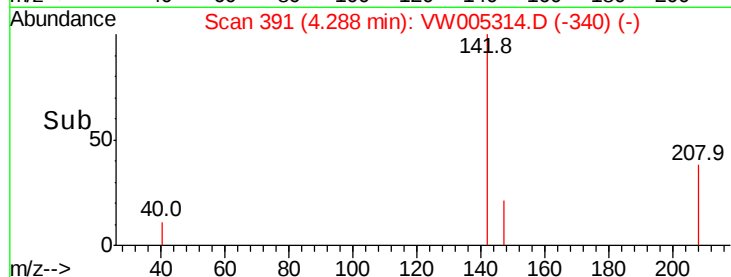
200

100

0

4.25 4.30 4.35

Time-->



#11

Tert butyl alcohol

Concen: 14.401 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW005314.D

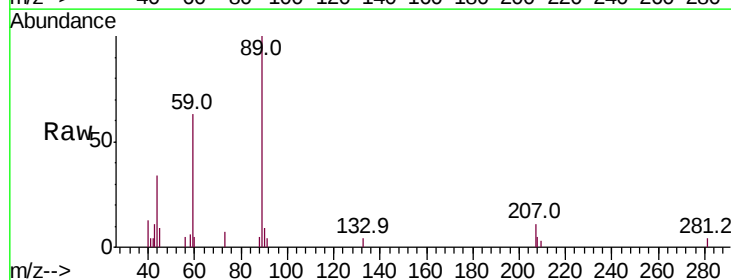
Acq: 12 Sep 2018 09:47

Tgt Ion: 59 Resp: 4234

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1200

1000

800

600

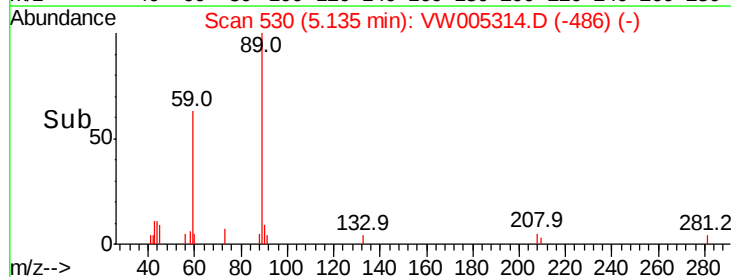
400

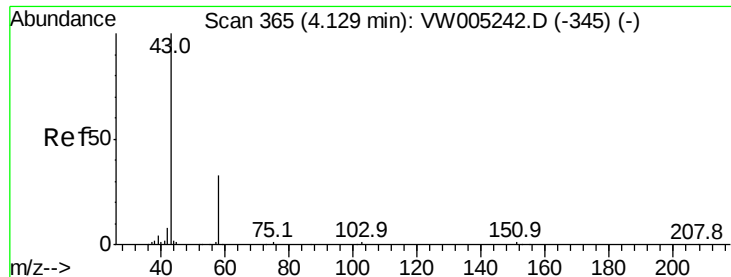
200

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 1.124 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005314.D

Acq: 12 Sep 2018 09:47

Instrument :

MSVOA_W

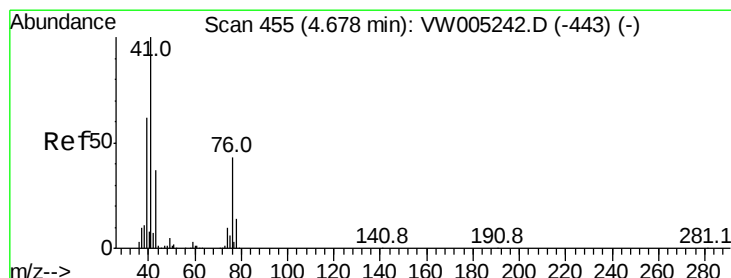
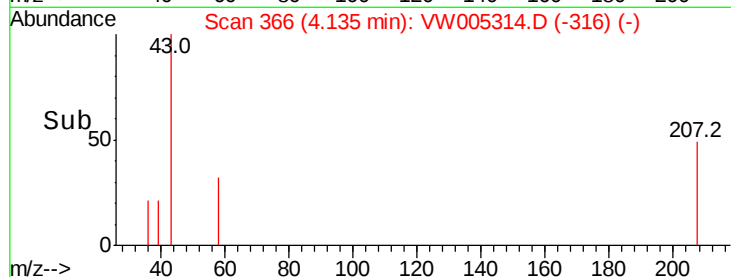
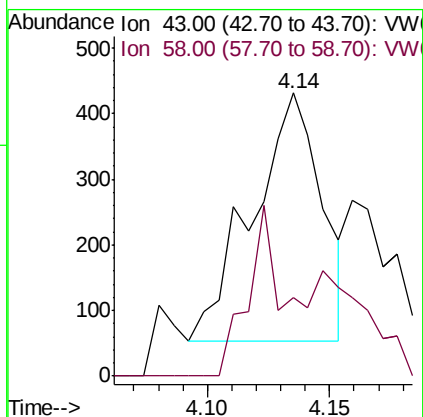
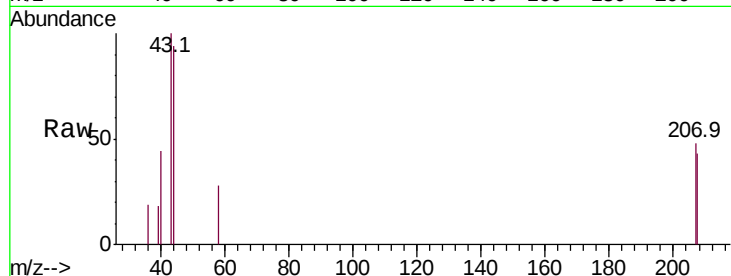
ClientSampled :

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

58 31.7 26.7 40.1



#18

Methyl Acetate

Concen: 1.523 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005314.D

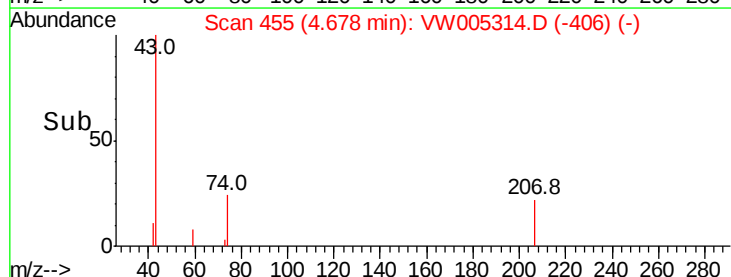
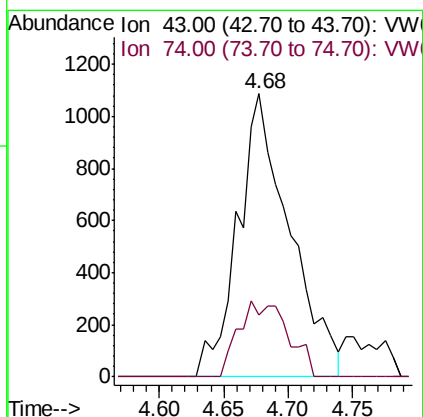
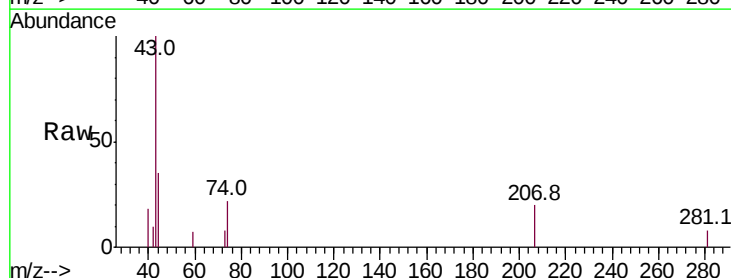
Acq: 12 Sep 2018 09:47

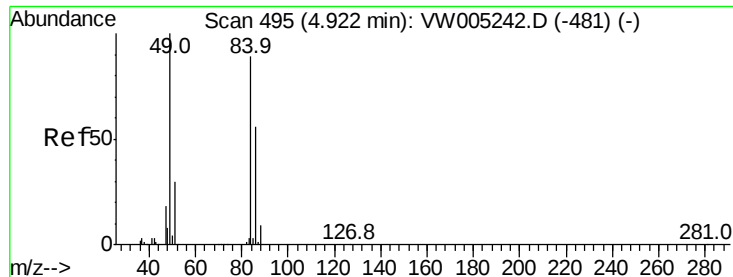
Tgt Ion: 43 Resp: 3025

Ion Ratio Lower Upper

43 100

74 25.5 21.4 32.2

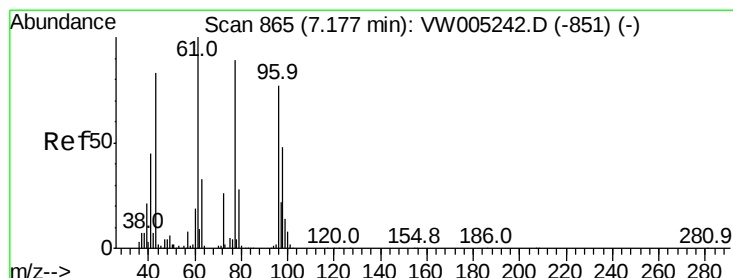
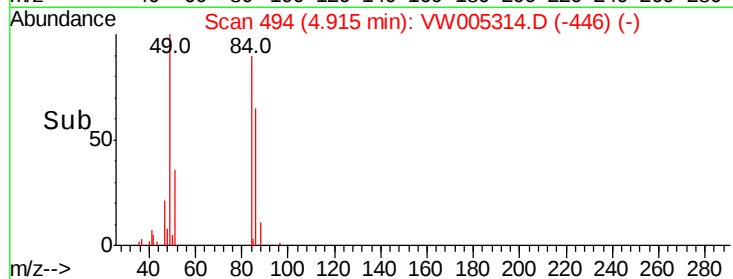
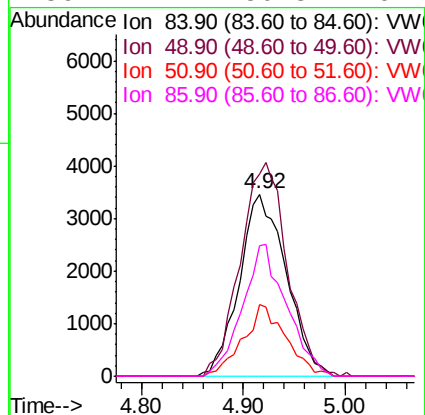
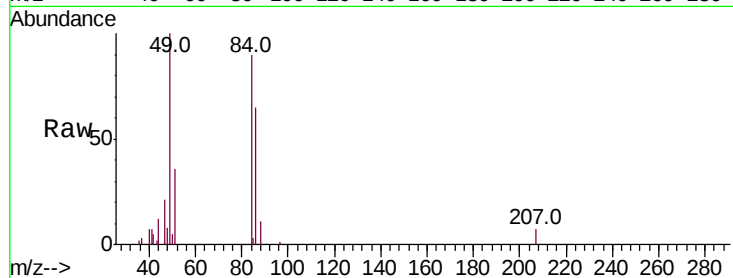




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005314.D
Acq: 12 Sep 2018 09:47

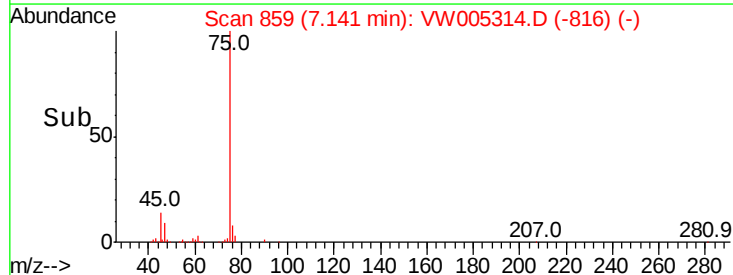
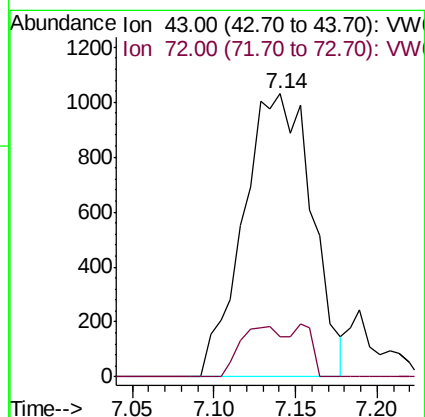
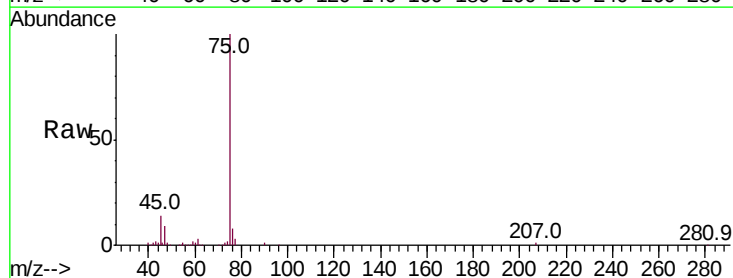
Instrument :
MSVOA_W
ClientSampleId :

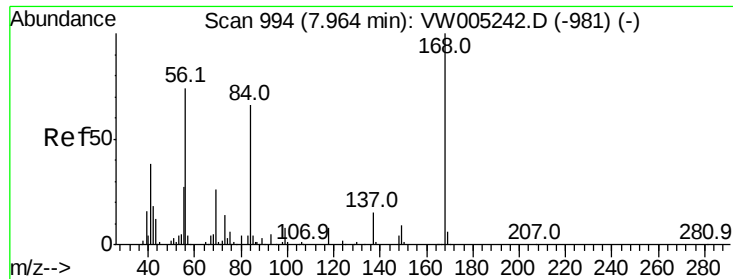
Tot Ion:	84	Resp:	11057
Ion	Ratio	Lower	Upper
84	100		
49	110.7	90.3	135.5
51	39.4	26.9	40.3
86	71.4	50.8	76.2



#25
2-Butanone
Concen: 2.870 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005314.D
Acq: 12 Sep 2018 09:47

Tgt Ion:	43	Resp:	3013
Ion	Ratio	Lower	Upper
43	100		
72	14.3	25.0	37.6#





#31

Cvclohexane

Concen: 1.082 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005314.D

Acq: 12 Sep 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

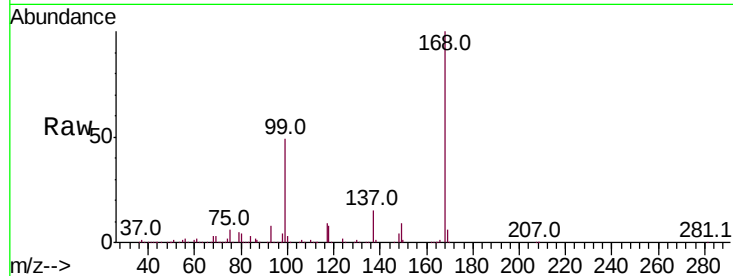
Tot Ion: 56 Resp: 8299

Ion Ratio Lower Upper

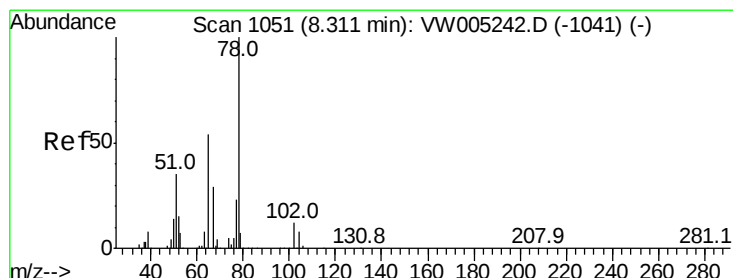
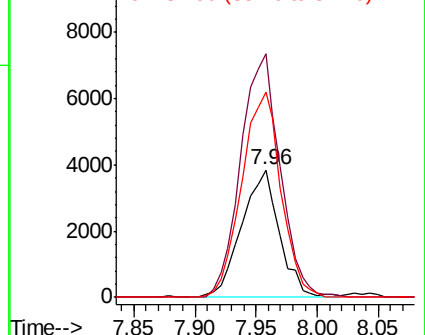
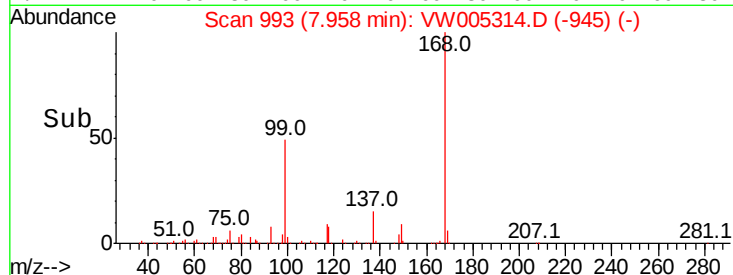
56 100

69 191.2 27.8 41.8#

84 160.8 72.1 108.1#



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



#33

1,2-Dichloroethane-d4

Concen: 58.173 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005314.D

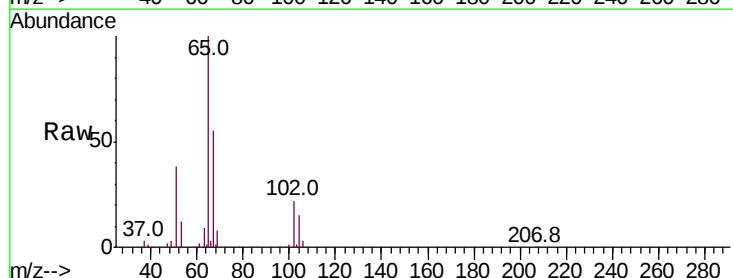
Acq: 12 Sep 2018 09:47

Tgt Ion: 65 Resp: 208561

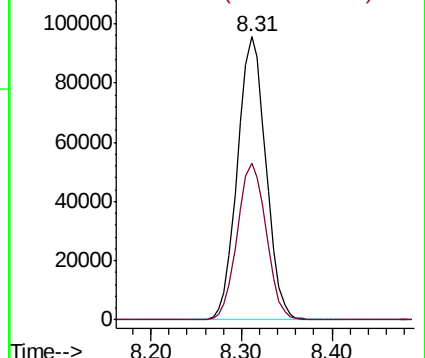
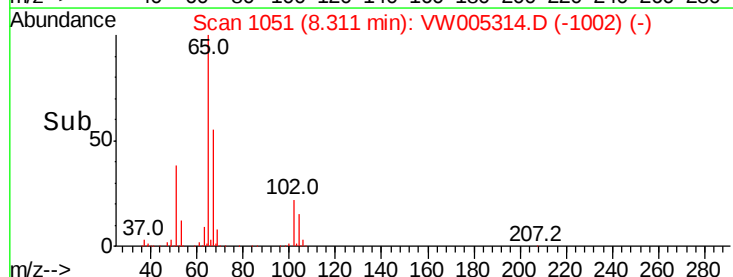
Ion Ratio Lower Upper

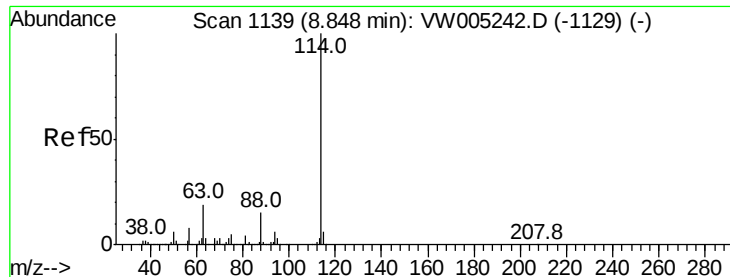
65 100

67 56.1 0.0 112.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

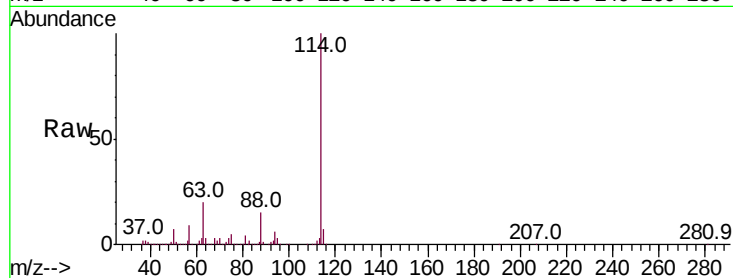




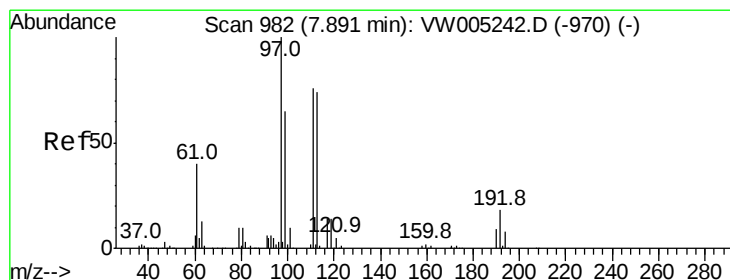
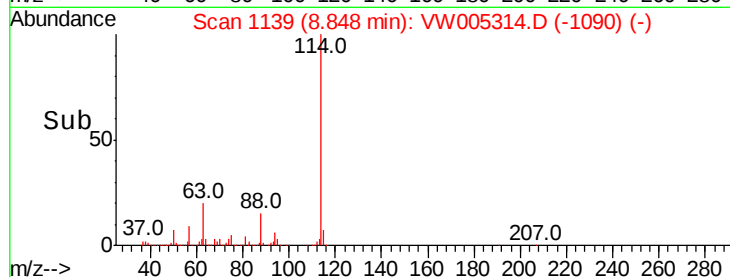
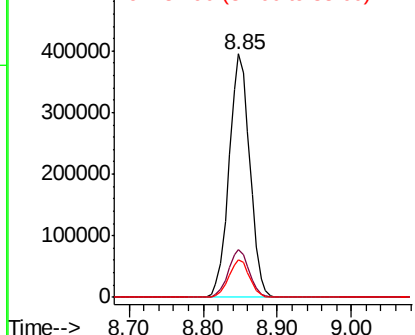
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005314.D
 Acq: 12 Sep 2018 09:47

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:114 Resp: 768263
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.0
 88 15.2 0.0 30.4

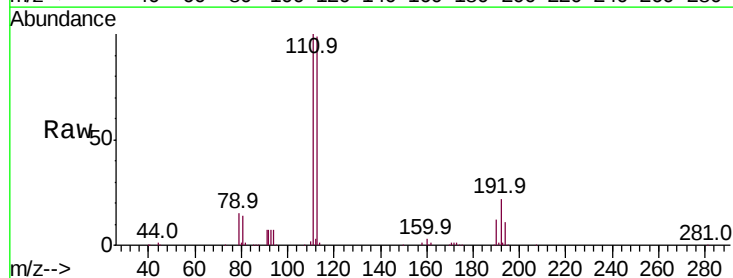


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

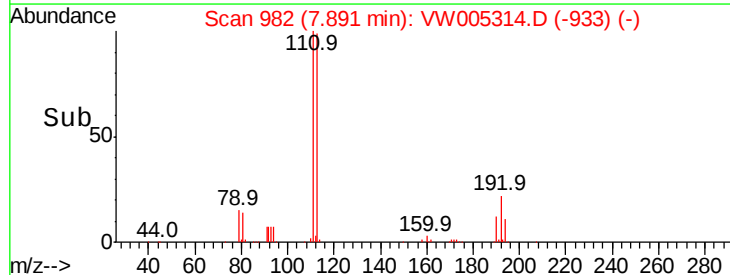
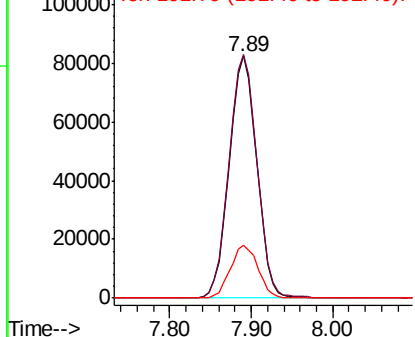


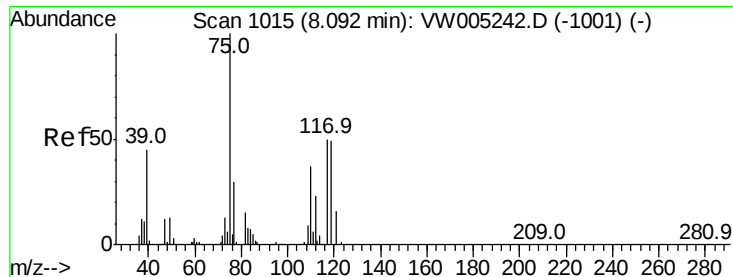
#35
 Dibromofluoromethane
 Concen: 47.698 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005314.D
 Acq: 12 Sep 2018 09:47

Tgt Ion:113 Resp: 191959
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.6 121.0
 192 22.0 18.3 27.5



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

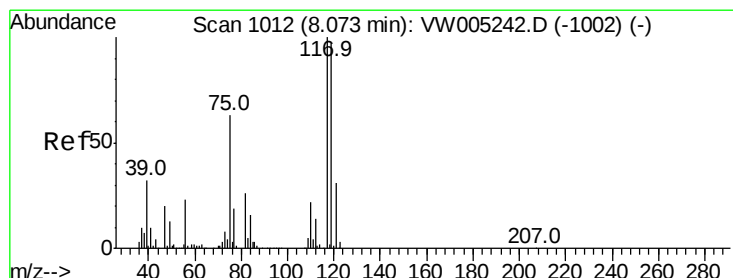
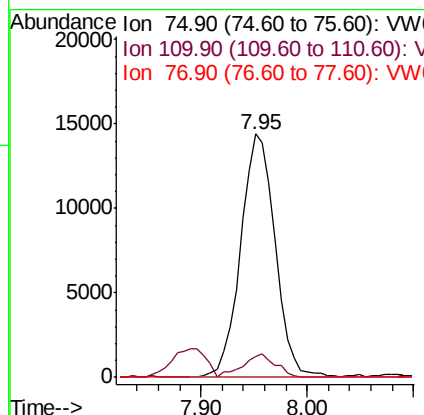
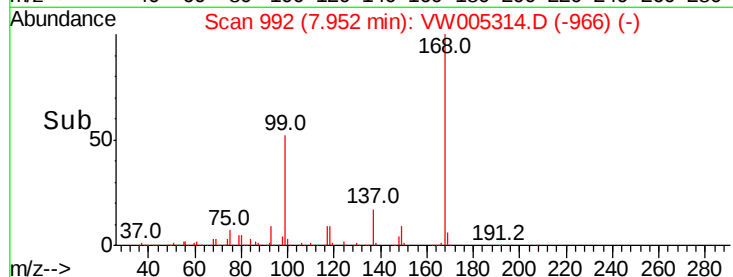
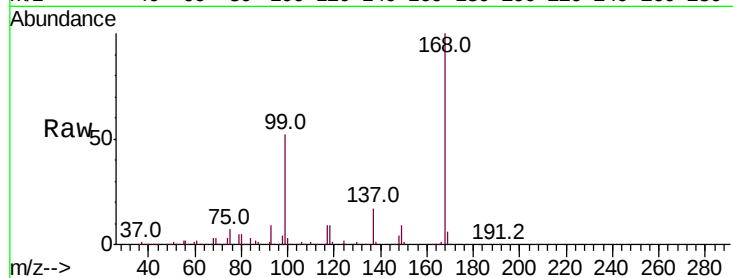




#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005314.D
 Acq: 12 Sep 2018 09:47

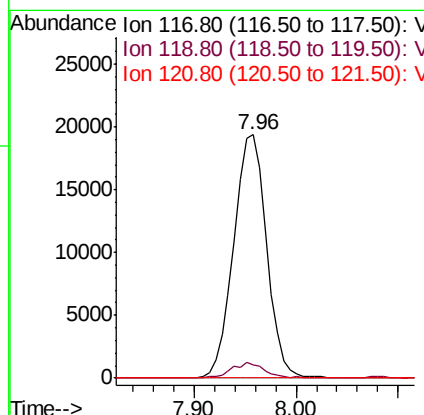
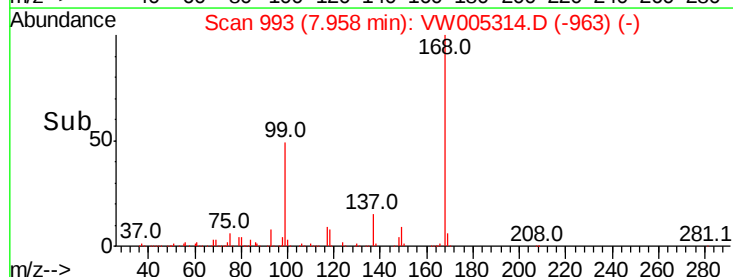
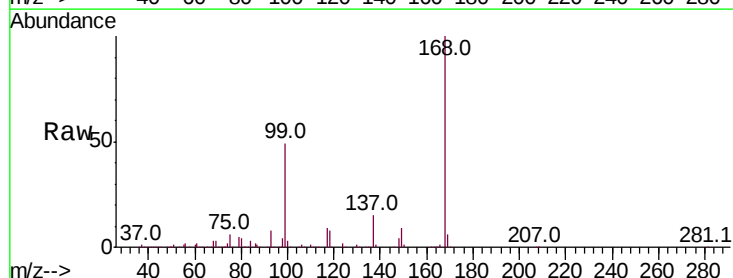
Instrument :
 MSVOA_W
 ClientSampleId :

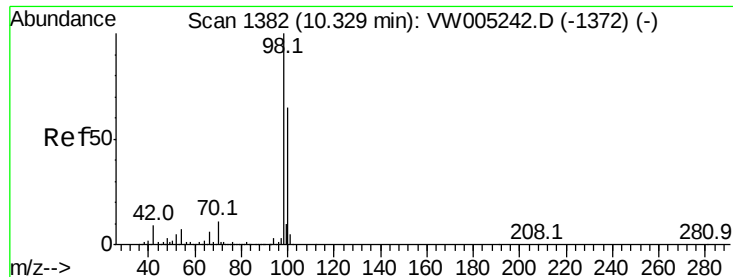
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.8	56.4#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.570 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005314.D
 Acq: 12 Sep 2018 09:47

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





#50

Toluene-d8

Concen: 34.586 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005314.D

Acq: 12 Sep 2018 09:47

Instrument :

MSVOA_W

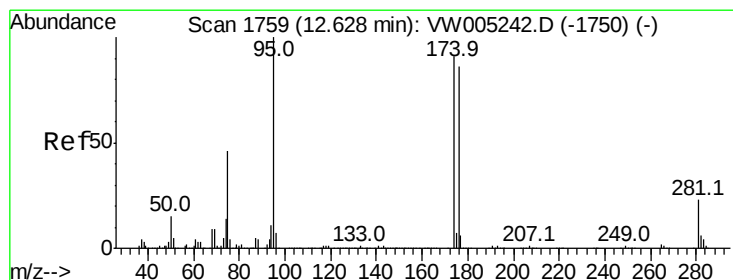
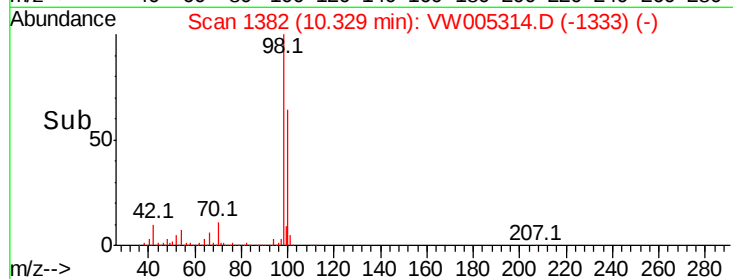
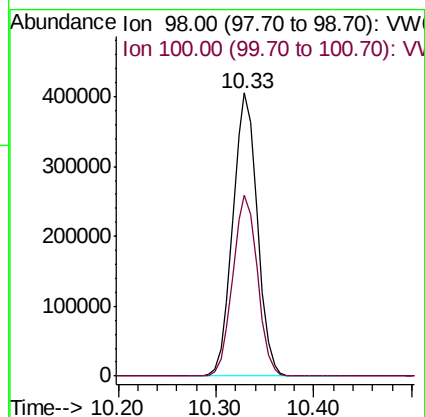
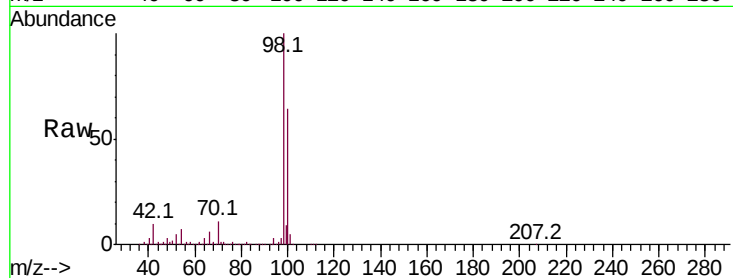
ClientSampleId :

Tot Ion: 98 Resp: 703353

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 31.526 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005314.D

Acq: 12 Sep 2018 09:47

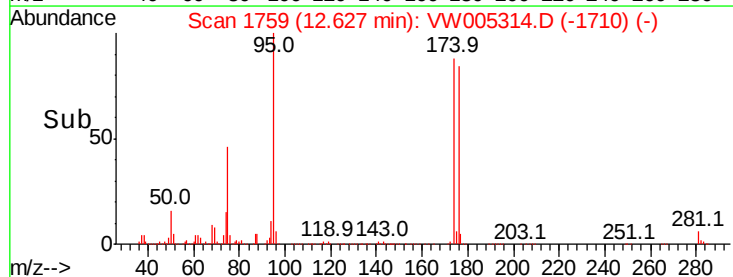
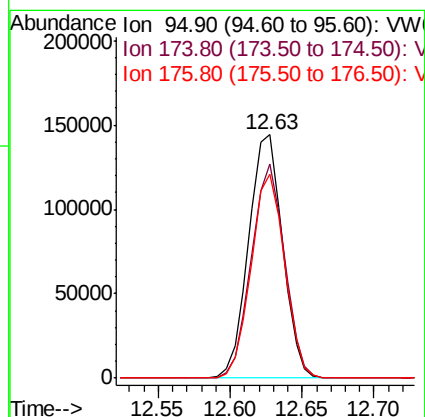
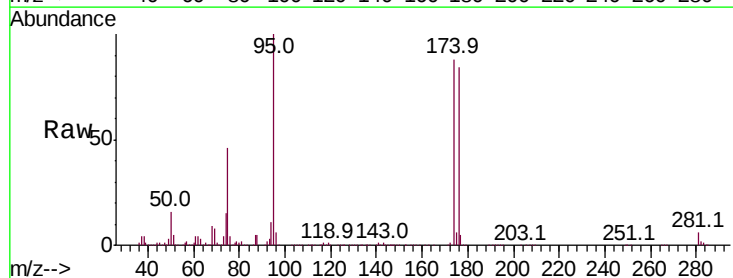
Tgt Ion: 95 Resp: 234504

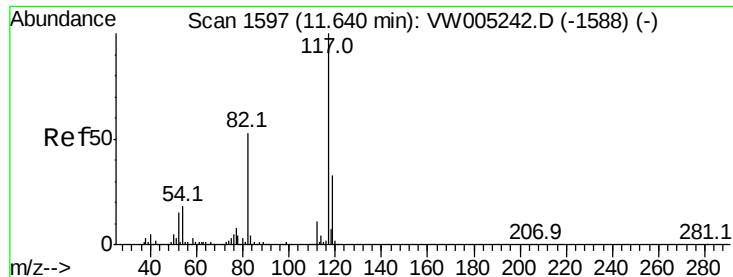
Ion Ratio Lower Upper

95 100

174 86.3 0.0 174.6

176 82.8 0.0 167.6

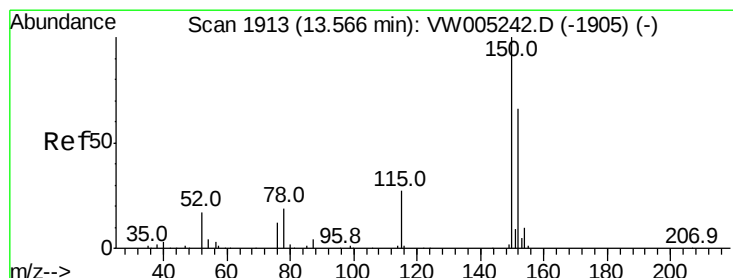
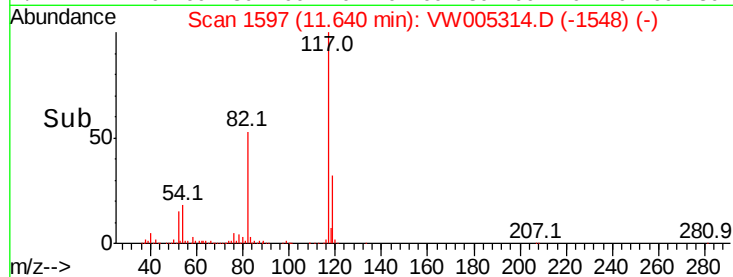
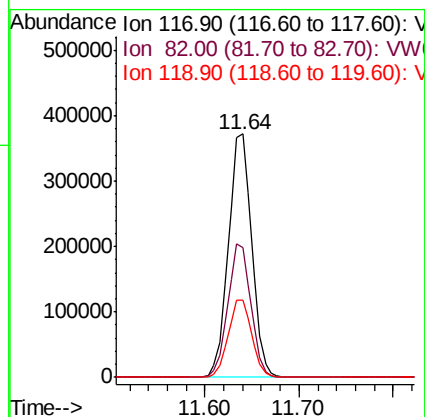
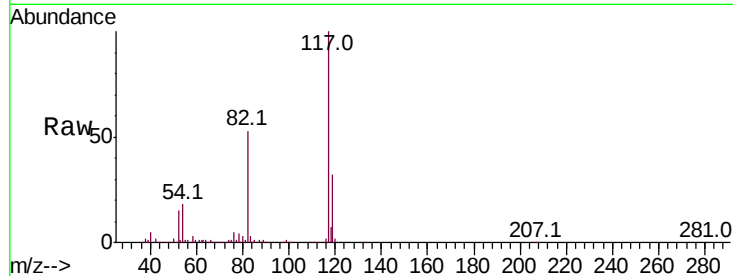




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005314.D
Acq: 12 Sep 2018 09:47

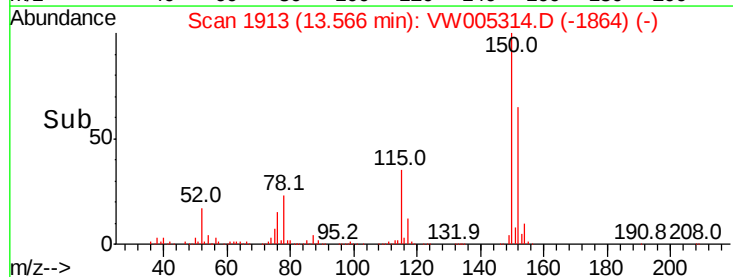
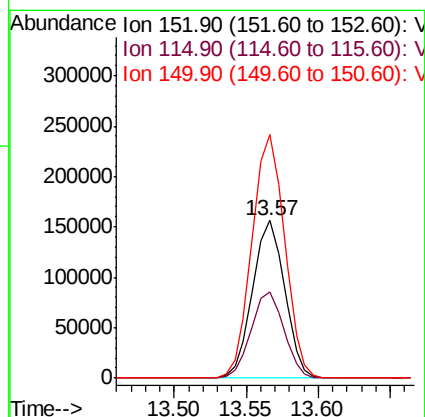
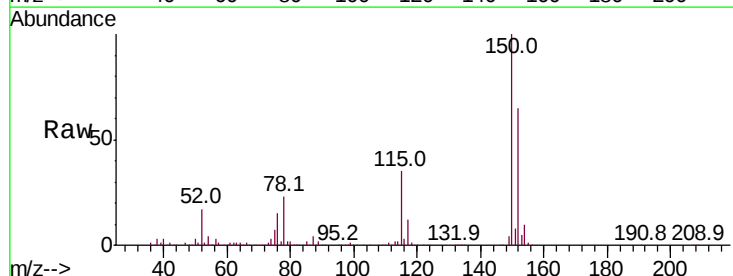
Instrument :
MSVOA_W
ClientSampled :

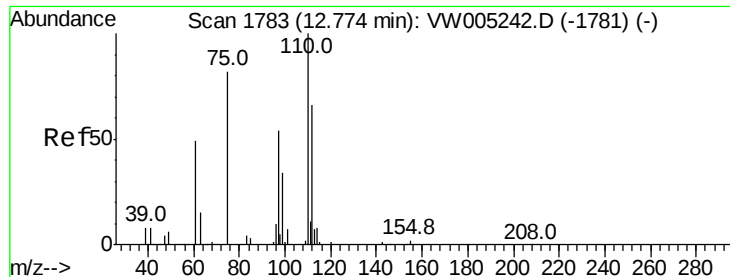
Tot Ion:117 Resp: 637777
Ion Ratio Lower Upper
117 100
82 53.1 42.6 63.8
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005314.D
Acq: 12 Sep 2018 09:47

Tgt Ion:152 Resp: 242074
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 156.4 0.0 347.4

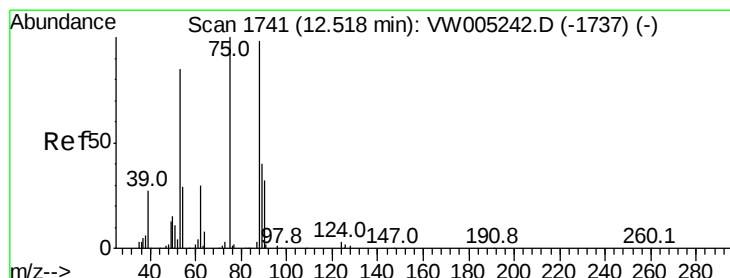
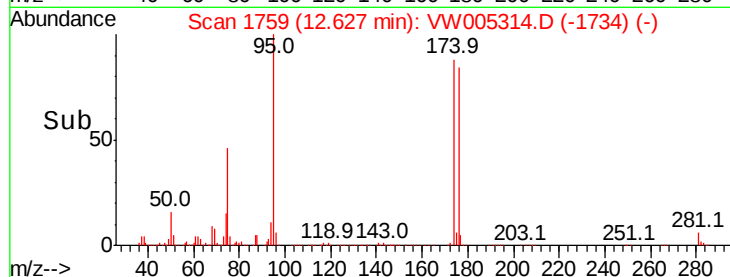
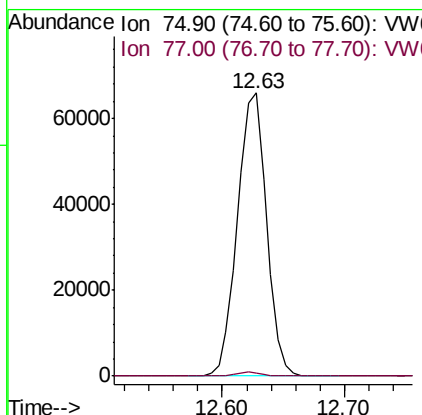
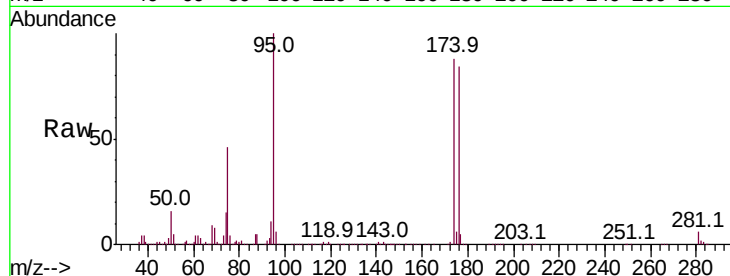




#76
 1,2,3-Trichloropropane
 Concen: 58.277 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005314.D
 Acq: 12 Sep 2018 09:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 108507
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.673 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005314.D
 Acq: 12 Sep 2018 09:47

Tgt Ion: 75 Resp: 108507
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.0 100.6#
 89 0.0 37.0 55.4#

