

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005331.D
 Acq On : 12 Sep 2018 17:40
 Operator : SY/AP
 Sample : J4834-02
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 18:08:25 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	388481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	593173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	593656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	301895	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	146471	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.89	113	137431	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	
50) Toluene-d8	10.33	98	615705	39.21	ug/l	0.00
Spiked Amount			Recovery	=	78.42%	
62) 4-Bromofluorobenzene	12.63	95	221819	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	

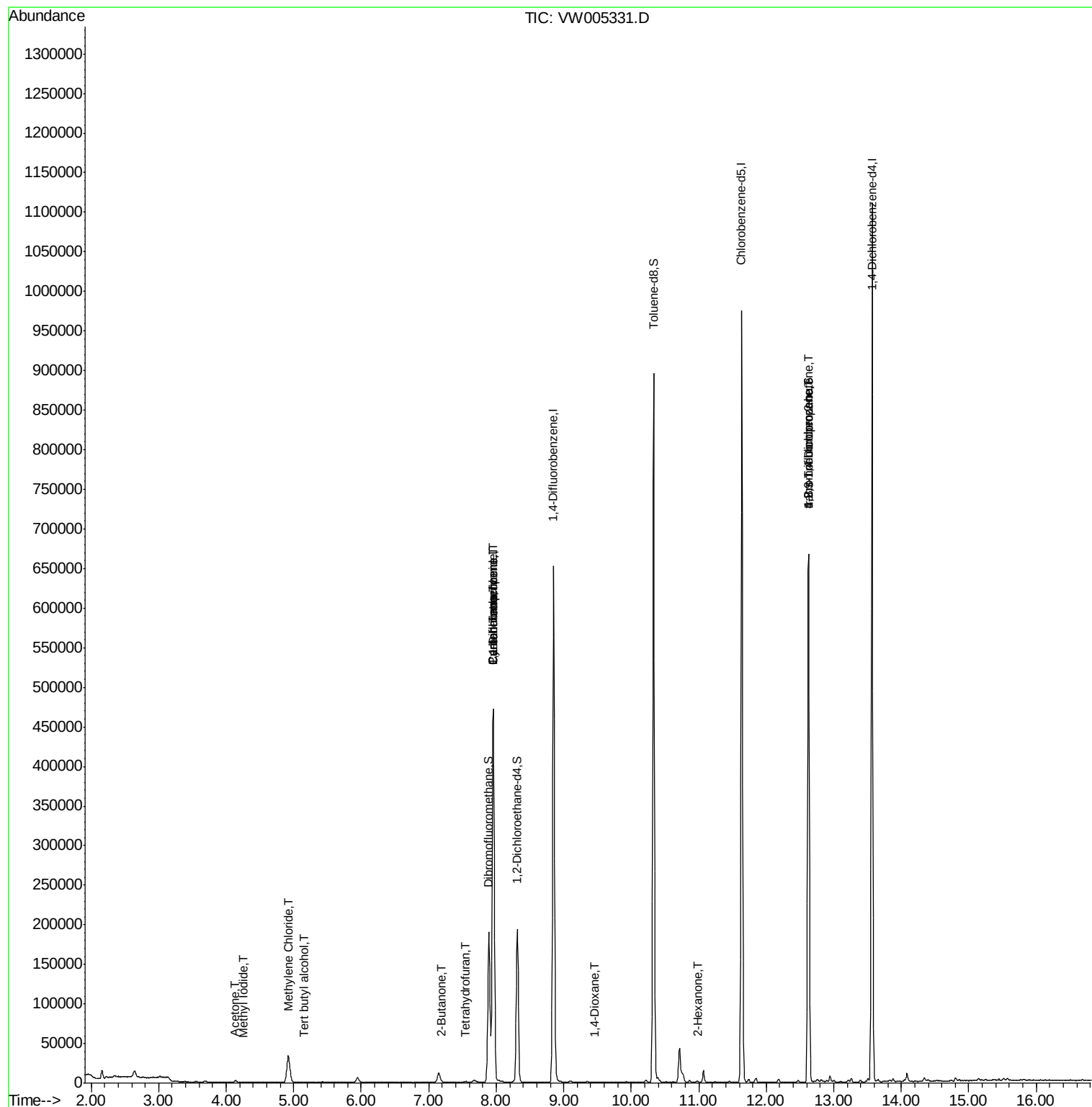
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	814	Below Cal	#	78
10) Methyl Iodide	4.26	142	23	3.332	ug/l #	45
11) Tert butyl alcohol	5.16	59	435	1.831	ug/l #	73
16) Acetone	4.13	43	3545	6.591	ug/l	90
20) Methylene Chloride	4.92	84	29107	4.270	ug/l	93
25) 2-Butanone	7.20	43	1169	1.378	ug/l	96
29) Tetrahydrofuran	7.54	42	925	1.618	ug/l #	89
31) Cyclohexane	7.96	56	6870	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24993	4.599	ug/l #	48
38) Carbon Tetrachloride	7.96	117	33234	6.528	ug/l #	17
49) 1,4-Dioxane	9.46	88	52	1.479	ug/l #	7
59) 2-Hexanone	10.98	43	1637	1.051	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	100708	43.371	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100708	101.714	ug/l #	16

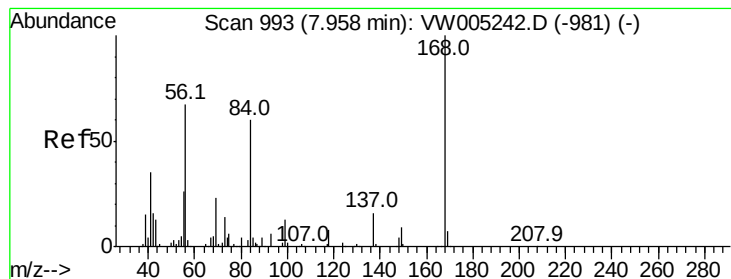
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005331.D

Acq: 12 Sep 2018 17:40

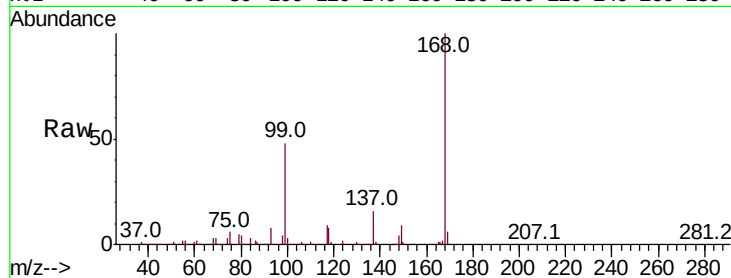
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 388481

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

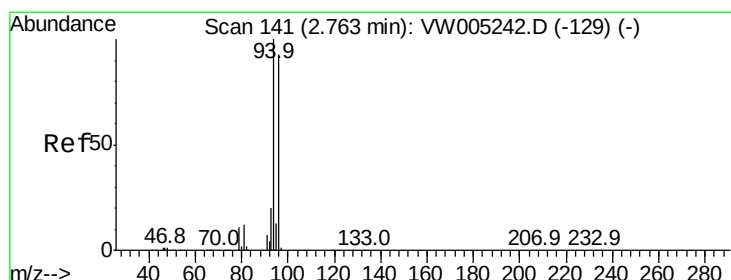
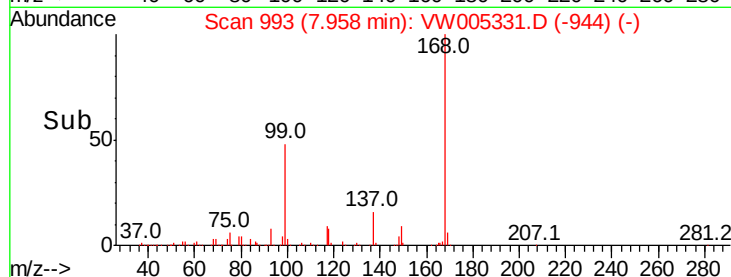
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10 8.20



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW005331.D

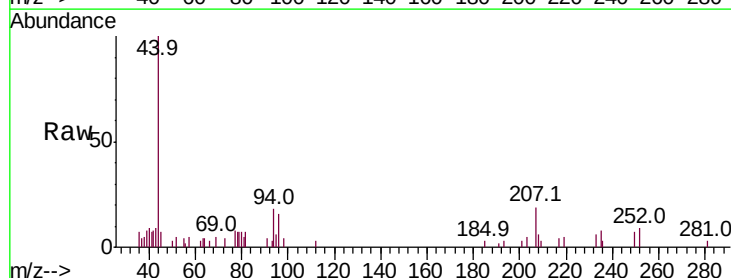
Acq: 12 Sep 2018 17:40

Tgt Ion: 94 Resp: 814

Ion Ratio Lower Upper

94 100

96 71.6 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

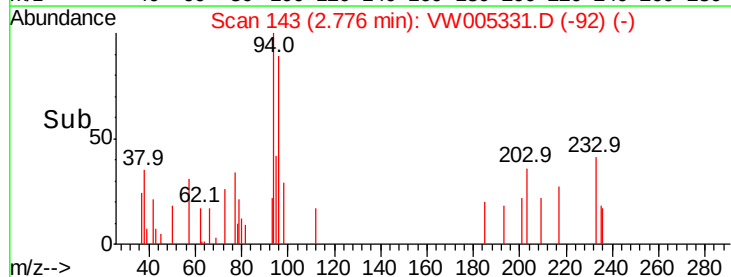
300

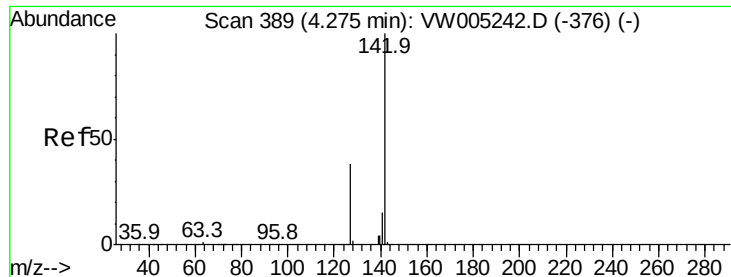
200

100

0

Time--> 2.70 2.75 2.80 2.85





#10

Methyl Iodide

Concen: 3.332 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.02 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

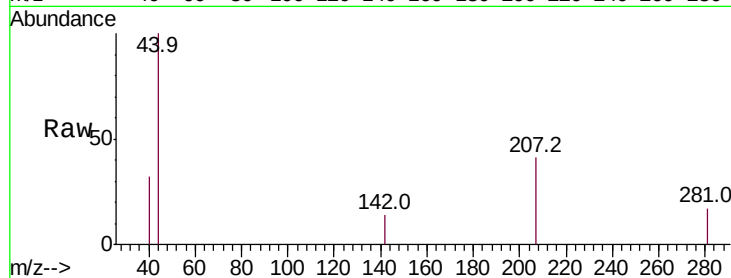
Tot Ion:142 Resp: 23

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

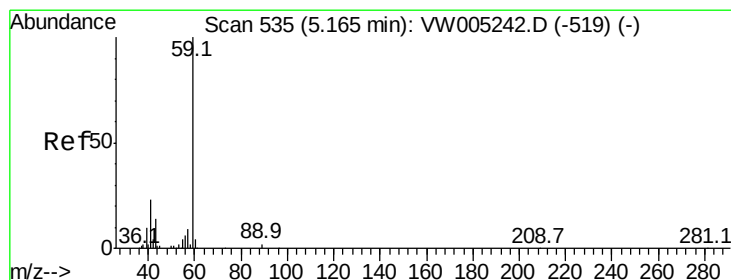
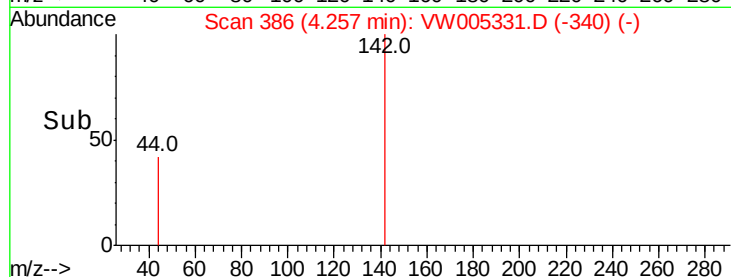
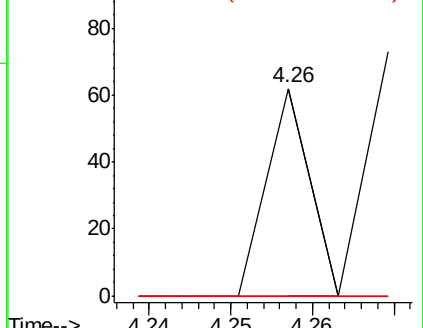
141 0.0 11.4 17.0#



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



#11

Tert butyl alcohol

Concen: 1.831 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW005331.D

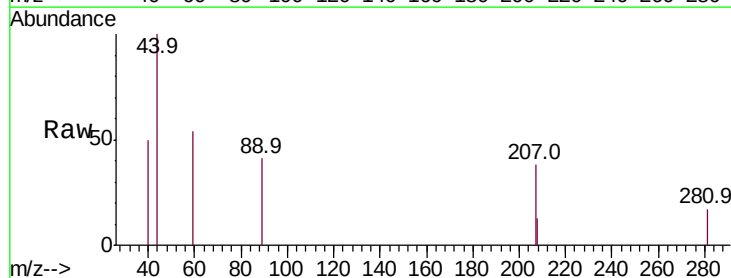
Acq: 12 Sep 2018 17:40

Tgt Ion: 59 Resp: 435

Ion Ratio Lower Upper

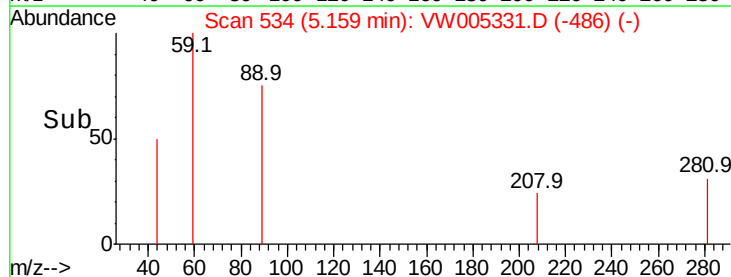
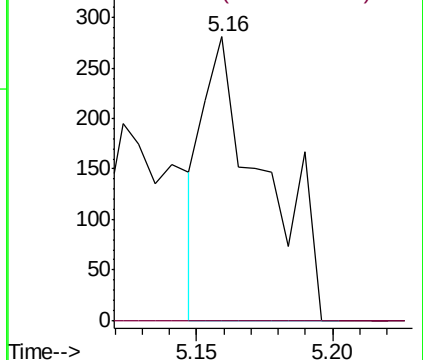
59 100

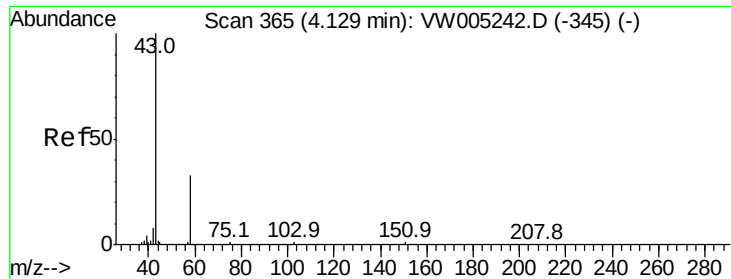
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 6.591 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

Instrument :

MSVOA_W

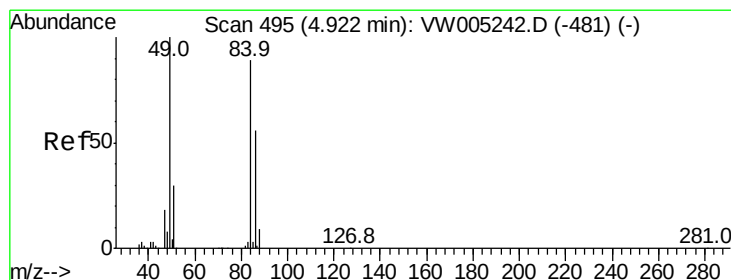
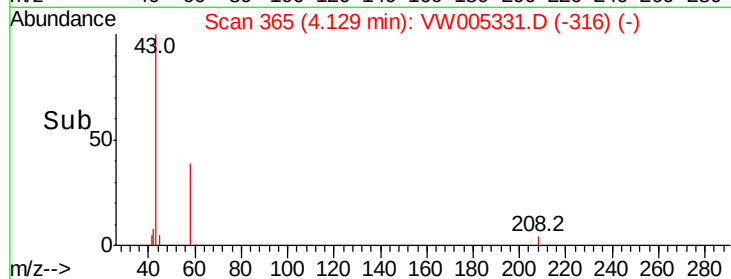
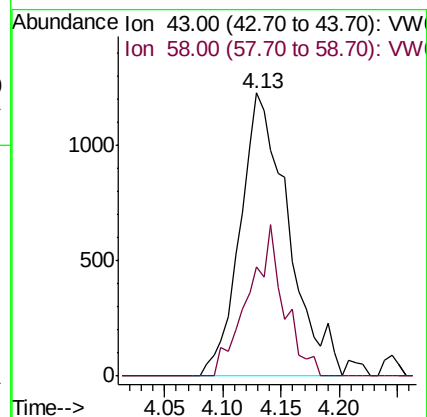
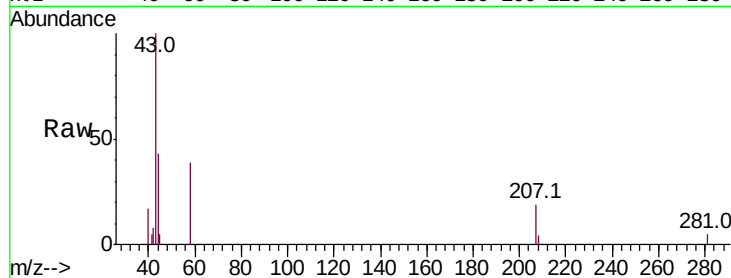
ClientSampled :

Tot Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

58 38.8 26.7 40.1



#20

Methylene Chloride

Concen: 4.270 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

Tgt Ion: 84 Resp: 29107

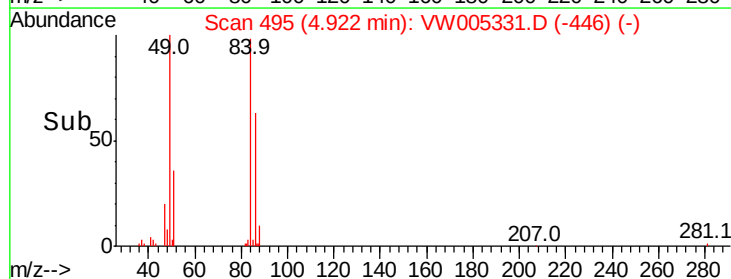
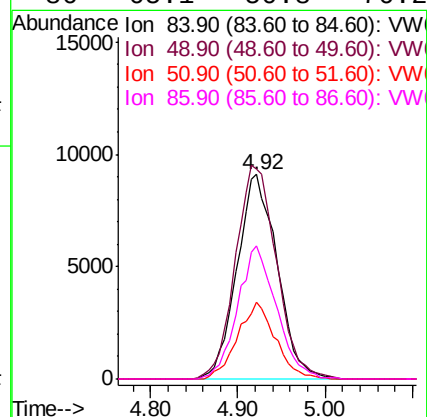
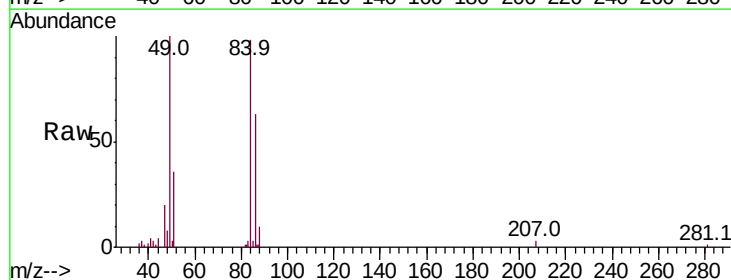
Ion Ratio Lower Upper

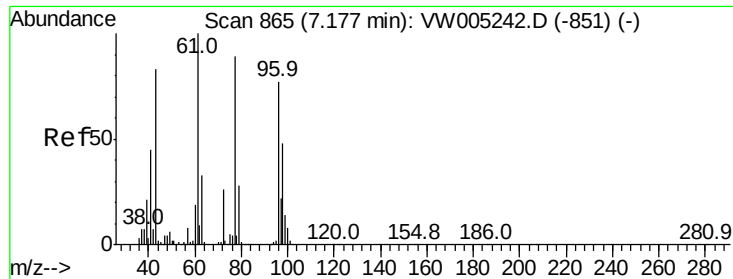
84 100

49 102.6 90.3 135.5

51 37.3 26.9 40.3

86 65.1 50.8 76.2





#25

2-Butanone

Concen: 1.378 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

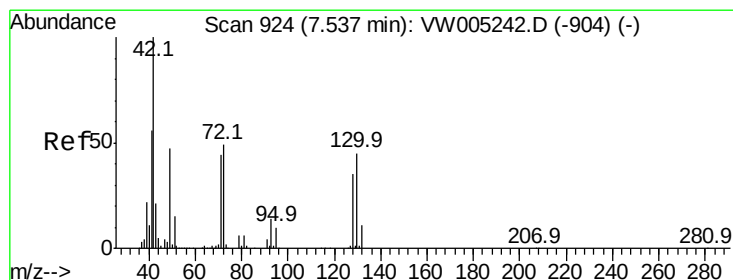
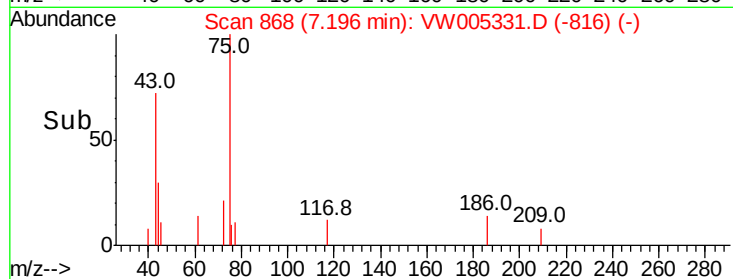
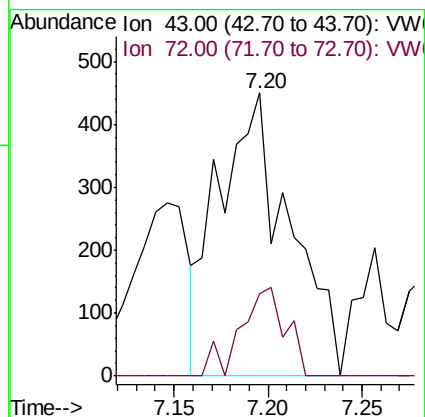
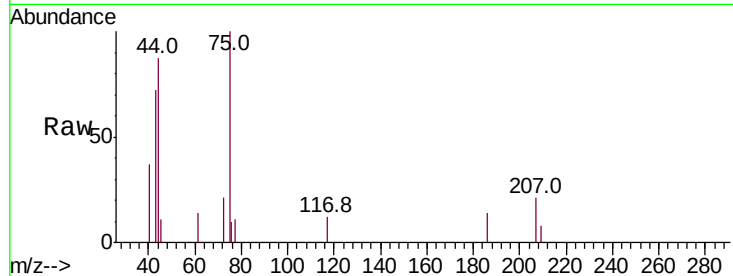
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1169

Ion Ratio Lower Upper

43 100

72 29.1 25.0 37.6



#29

Tetrahydrofuran

Concen: 1.618 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

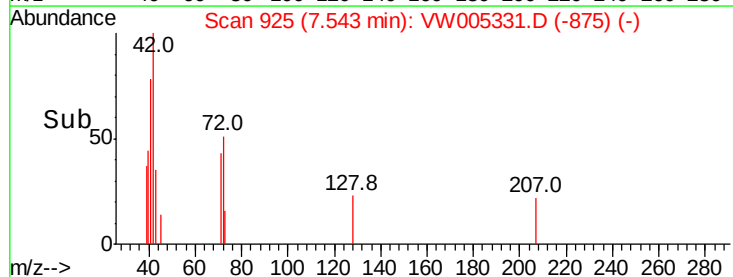
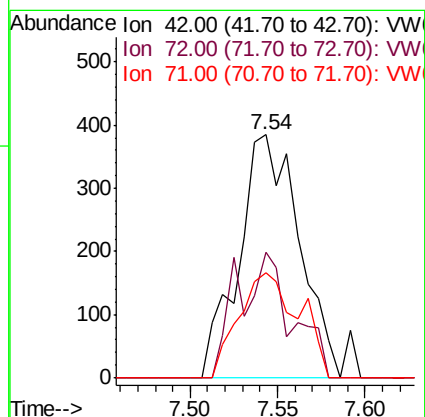
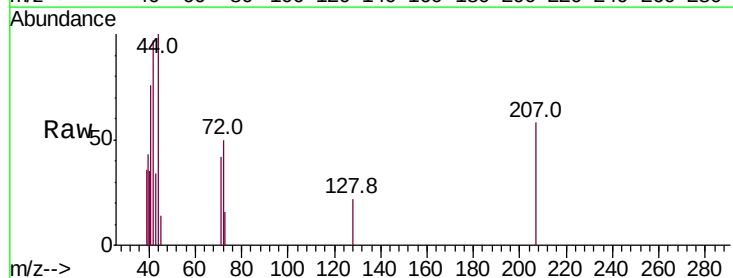
Tgt Ion: 42 Resp: 925

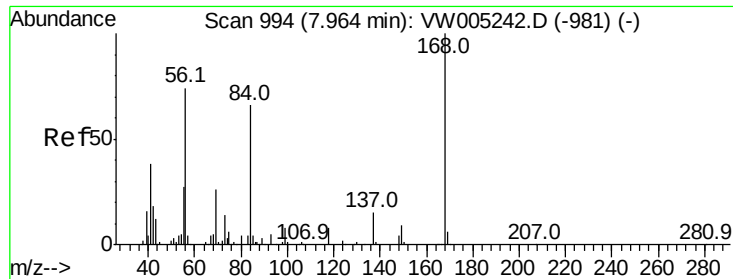
Ion Ratio Lower Upper

42 100

72 32.3 37.5 56.3#

71 43.4 34.8 52.2

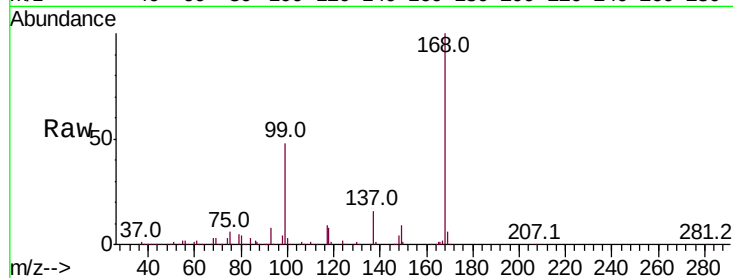




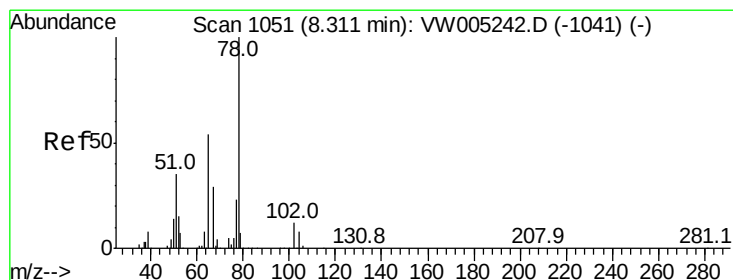
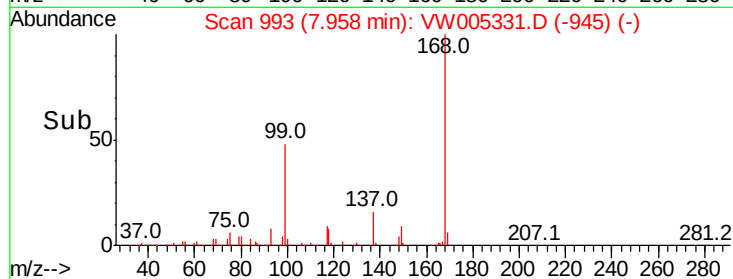
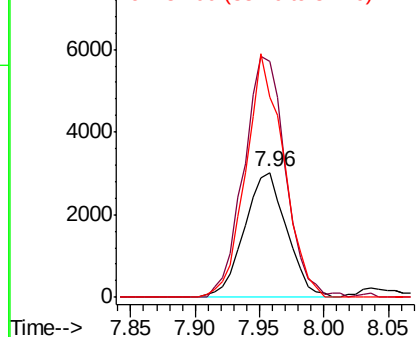
#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005331.D
Acq: 12 Sep 2018 17:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6870
Ion Ratio Lower Upper
56 100
69 188.7 27.8 41.8#
84 160.1 72.1 108.1#

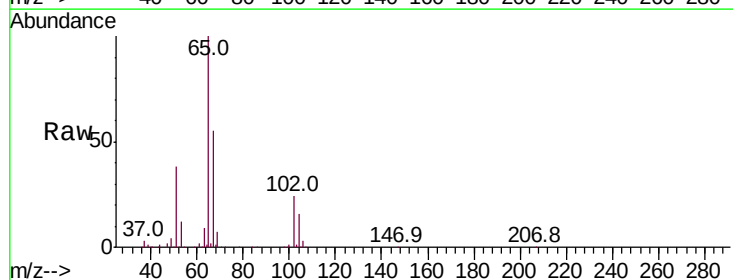


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

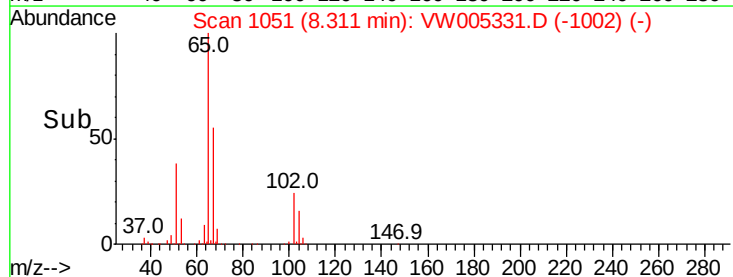
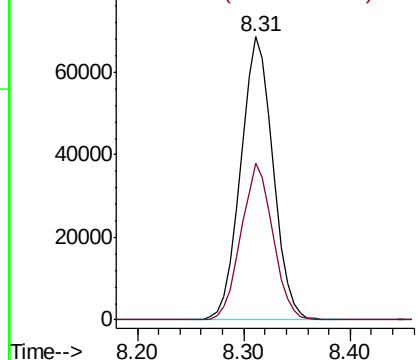


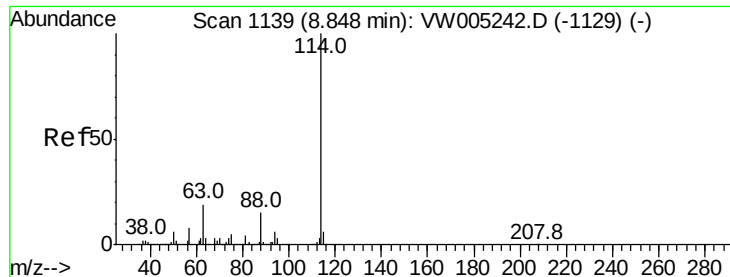
#33
1,2-Dichloroethane-d4
Concen: 50.550 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005331.D
Acq: 12 Sep 2018 17:40

Tgt Ion: 65 Resp: 146471
Ion Ratio Lower Upper
65 100
67 54.4 0.0 112.2



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

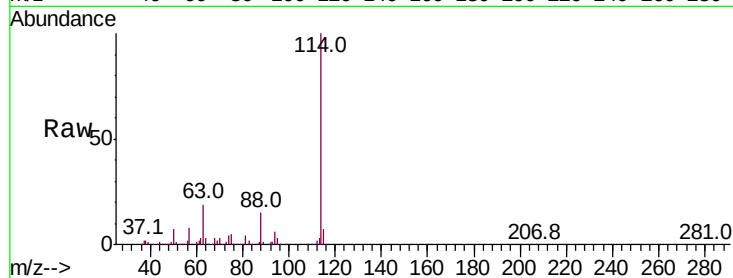




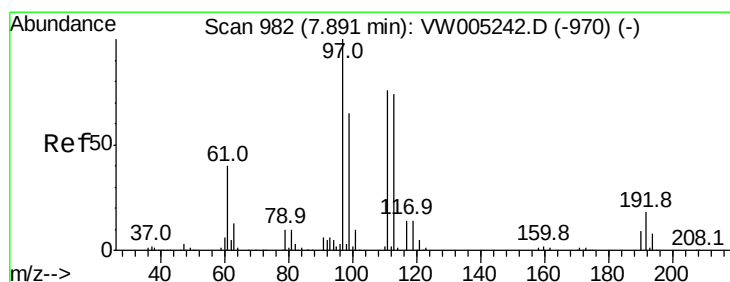
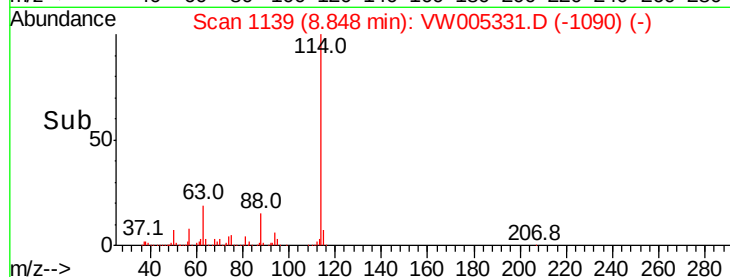
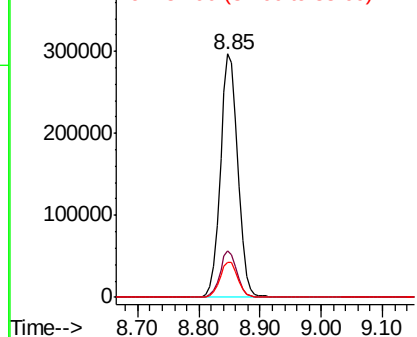
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005331.D
 Acq: 12 Sep 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.0
88	14.6	0.0	30.4

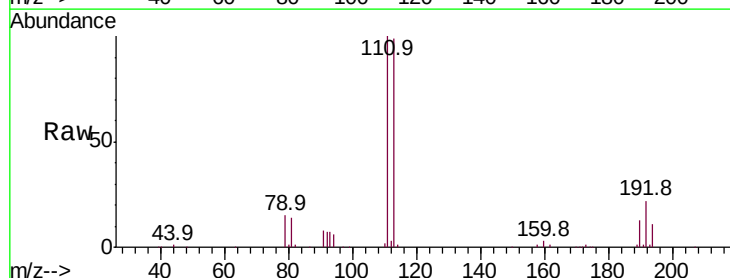


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

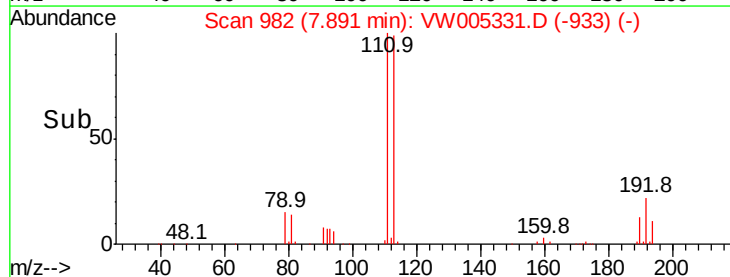
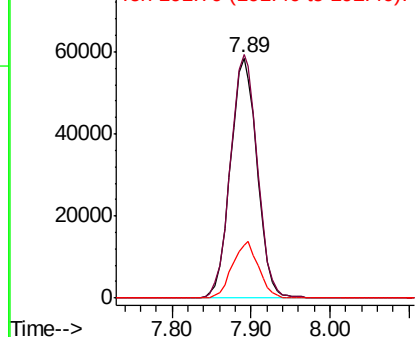


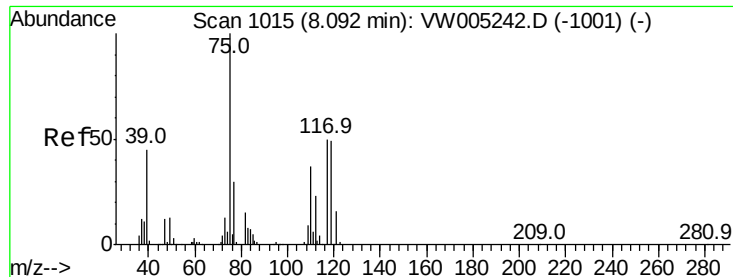
#35
 Dibromofluoromethane
 Concen: 44.229 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005331.D
 Acq: 12 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.6	121.0
192	23.1	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

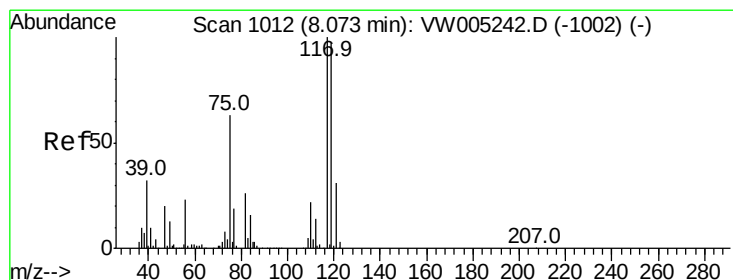
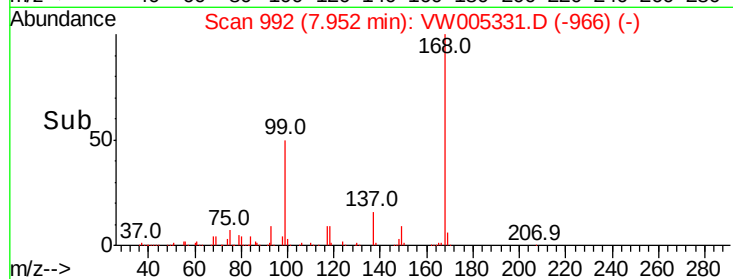
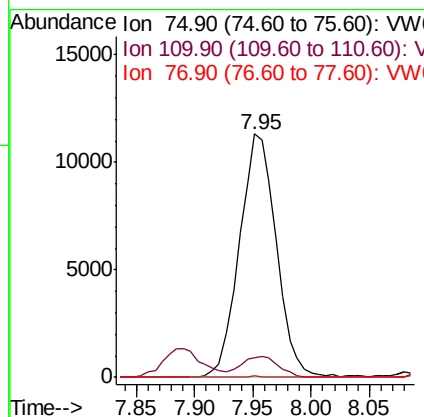
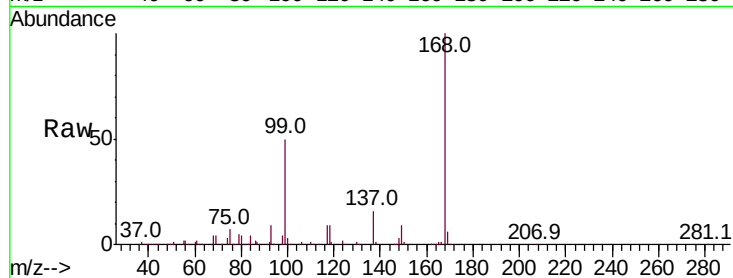




#36
 1,1-Dichloropropene
 Concen: 4.599 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005331.D
 Acq: 12 Sep 2018 17:40

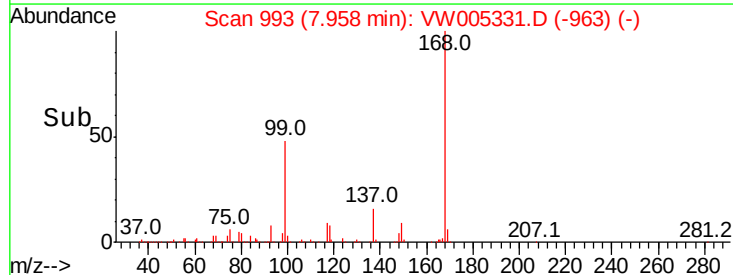
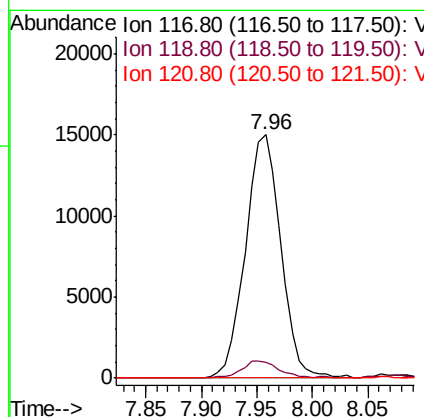
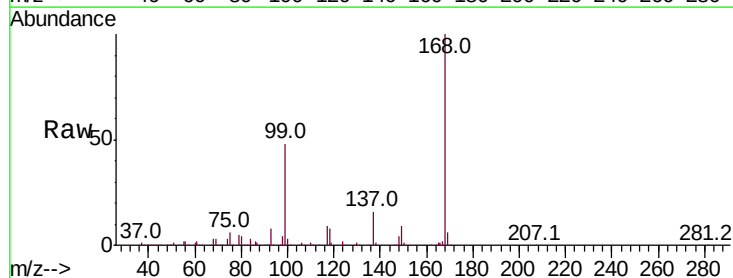
Instrument :
 MSVOA_W
 ClientSampleId :

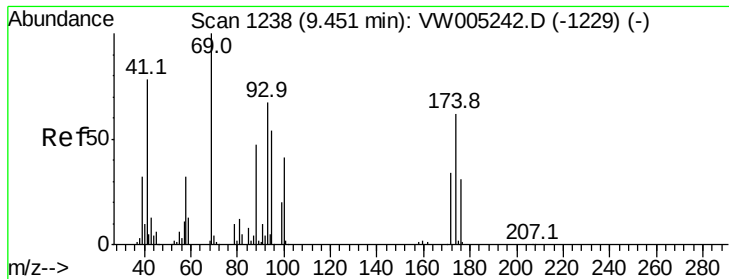
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.8	56.4#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.528 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005331.D
 Acq: 12 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.5	116.3#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.479 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

Instrument :
MSVOA_W
ClientSampled :

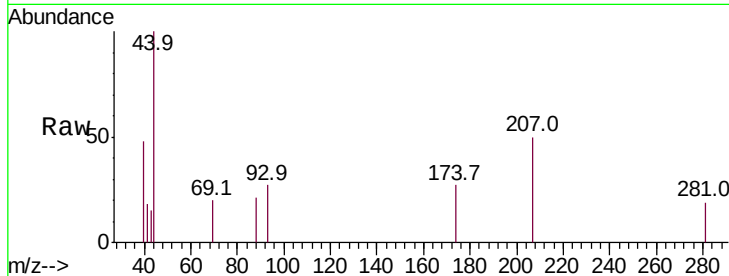
Tot Ion: 88 Resp: 52

Ion Ratio Lower Upper

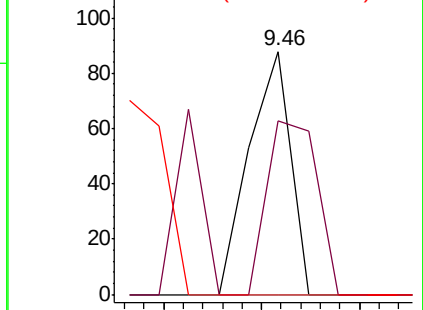
88 100

43 86.5 22.7 34.1#

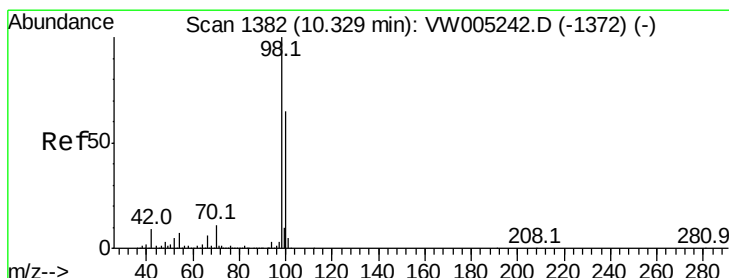
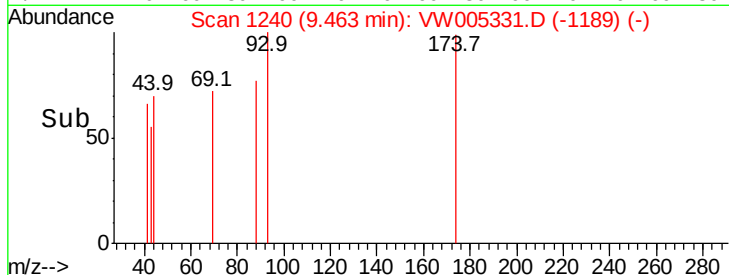
58 0.0 56.6 85.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 39.213 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005331.D

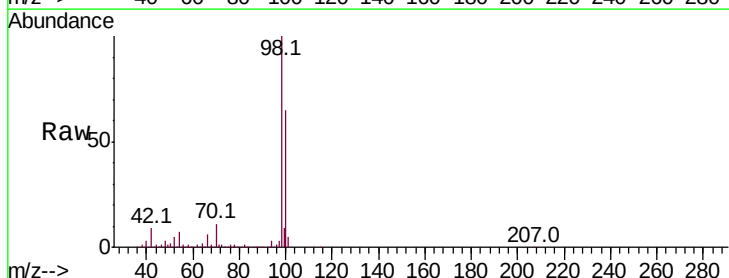
Acq: 12 Sep 2018 17:40

Tgt Ion: 98 Resp: 615705

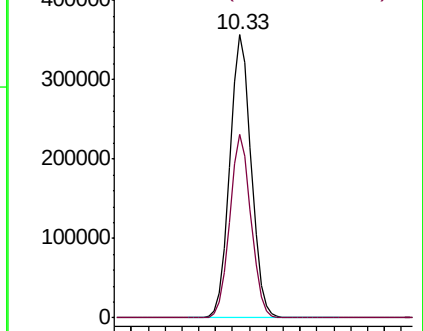
Ion Ratio Lower Upper

98 100

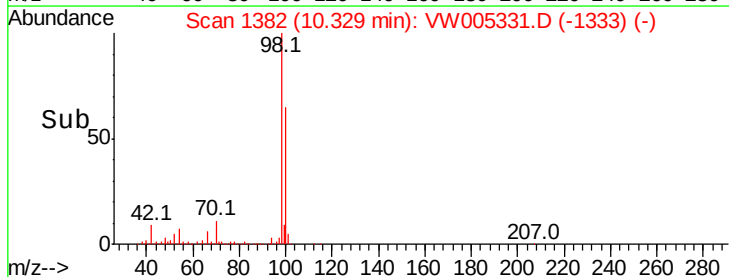
100 64.2 52.0 78.0

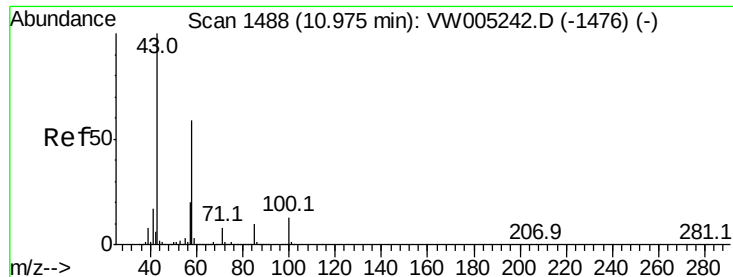


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->

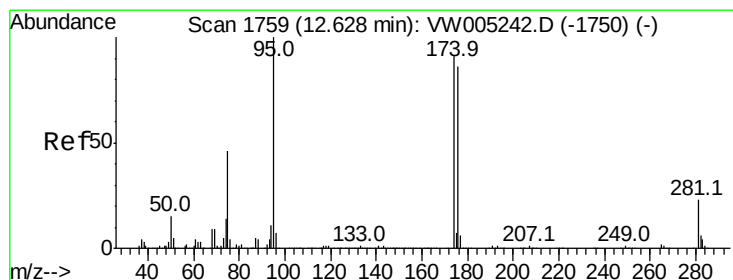
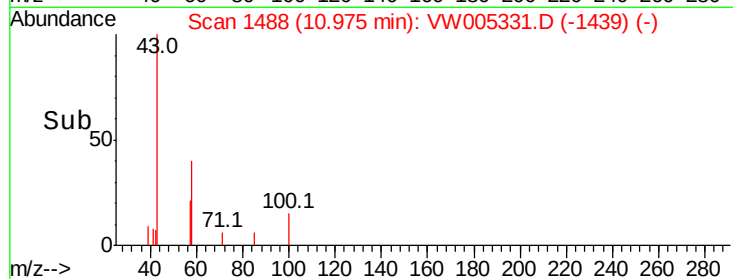
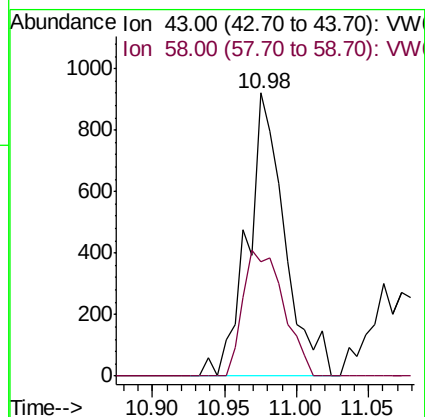
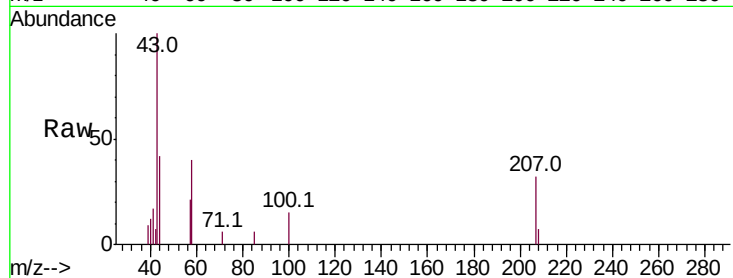




#59
2-Hexanone
Concen: 1.051 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005331.D
Acq: 12 Sep 2018 17:40

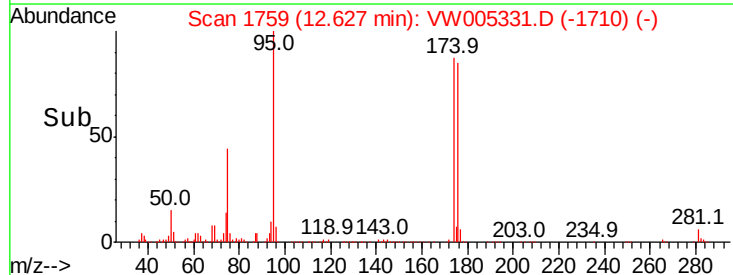
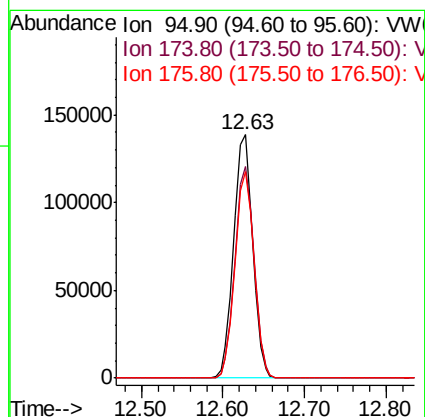
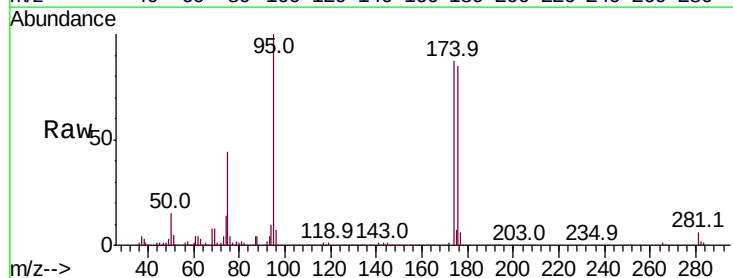
Instrument :
MSVOA_W
ClientSampled :

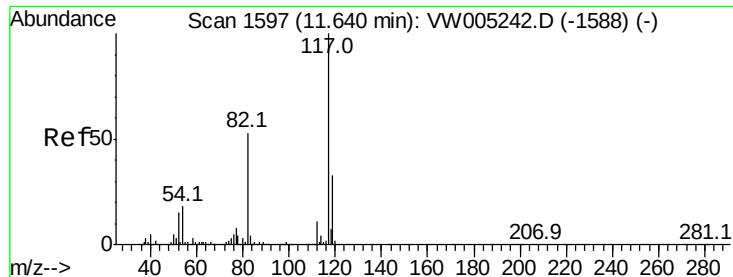
Tot Ion: 43 Resp: 1637
Ion Ratio Lower Upper
43 100
58 48.9 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 38.623 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VW005331.D
Acq: 12 Sep 2018 17:40

Tgt Ion: 95 Resp: 221819
Ion Ratio Lower Upper
95 100
174 87.2 0.0 174.6
176 85.0 0.0 167.6

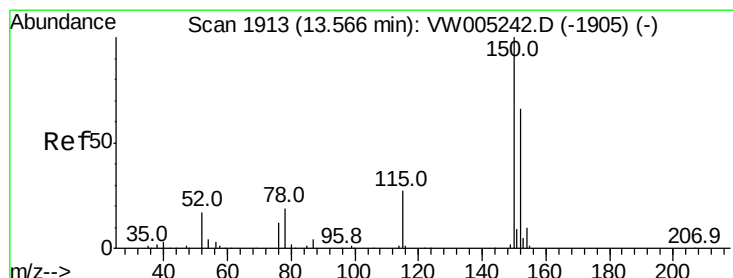
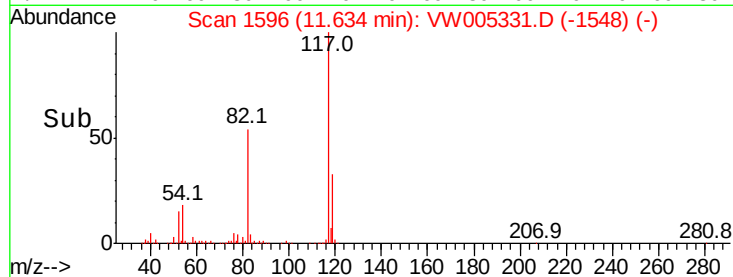
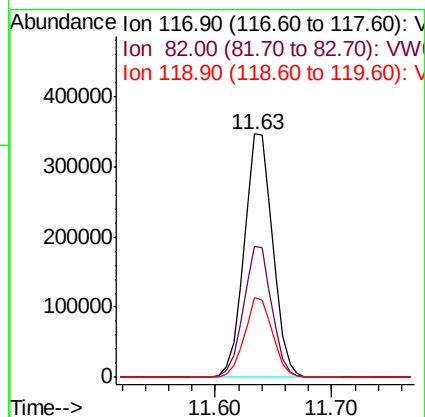
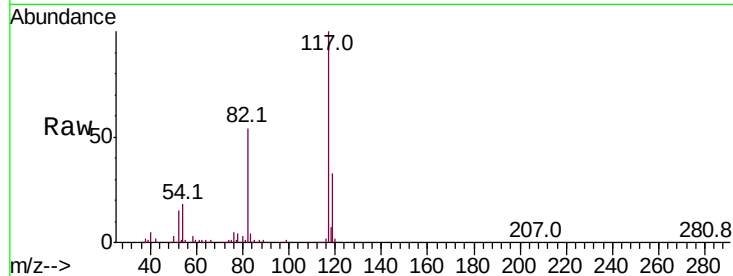




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005331.D
Acq: 12 Sep 2018 17:40

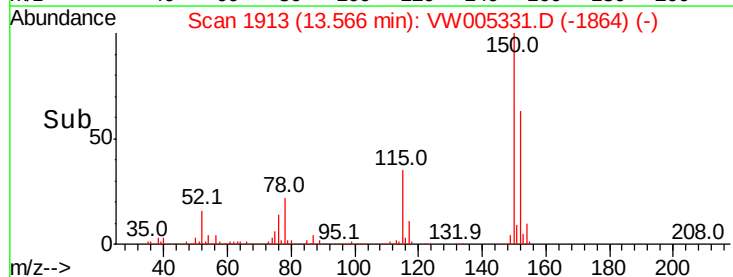
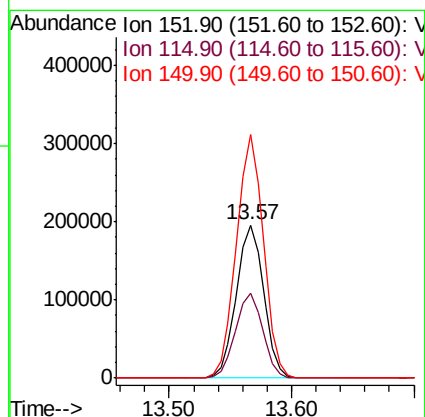
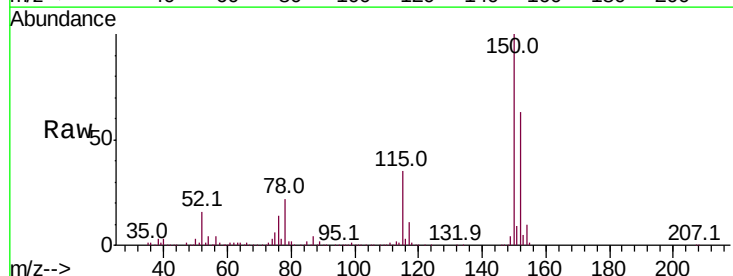
Instrument :
MSVOA_W
ClientSampled :

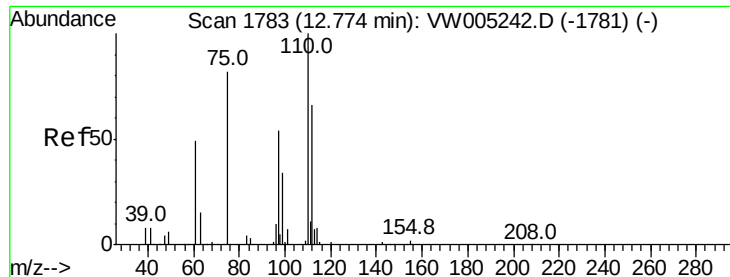
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.6	63.8
119	32.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005331.D
Acq: 12 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.4
150	157.3	0.0	347.4





#76

1,2,3-Trichloropropane

Concen: 43.371 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

Instrument :

MSVOA_W

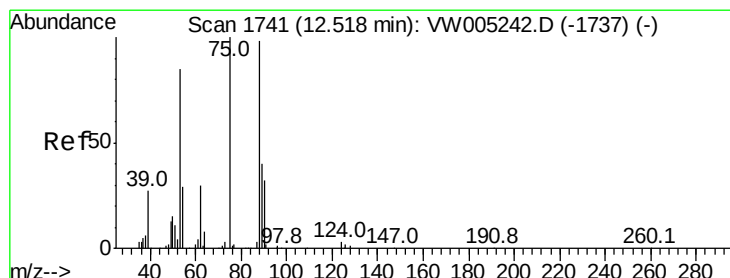
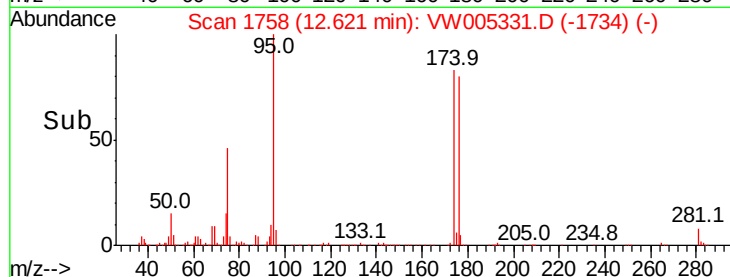
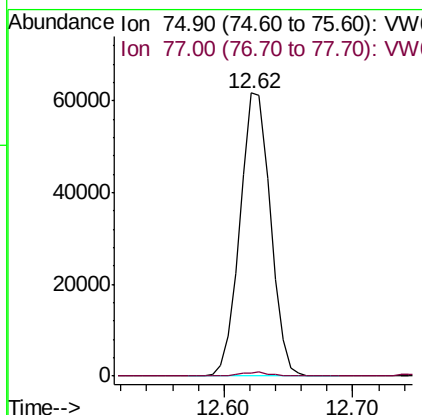
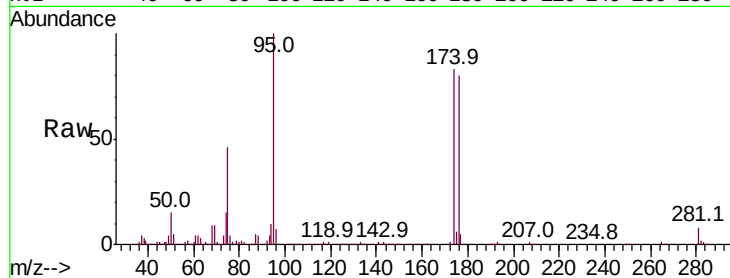
ClientSampleId :

Tot Ion: 75 Resp: 100708

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.714 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005331.D

Acq: 12 Sep 2018 17:40

Tgt Ion: 75 Resp: 100708

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.0 37.0 55.4#

