

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005330.D
 Acq On : 12 Sep 2018 17:14
 Operator : SY/AP
 Sample : J4856-06
 Misc : 4.53G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 18:08:14 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	435487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	661101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	636192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	297422	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	164690	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.89	113	151896	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	
50) Toluene-d8	10.33	98	668768	38.22	ug/l	0.00
Spiked Amount			Recovery	=	76.44%	
62) 4-Bromofluorobenzene	12.63	95	221520	34.61	ug/l	0.00
Spiked Amount			Recovery	=	69.22%	

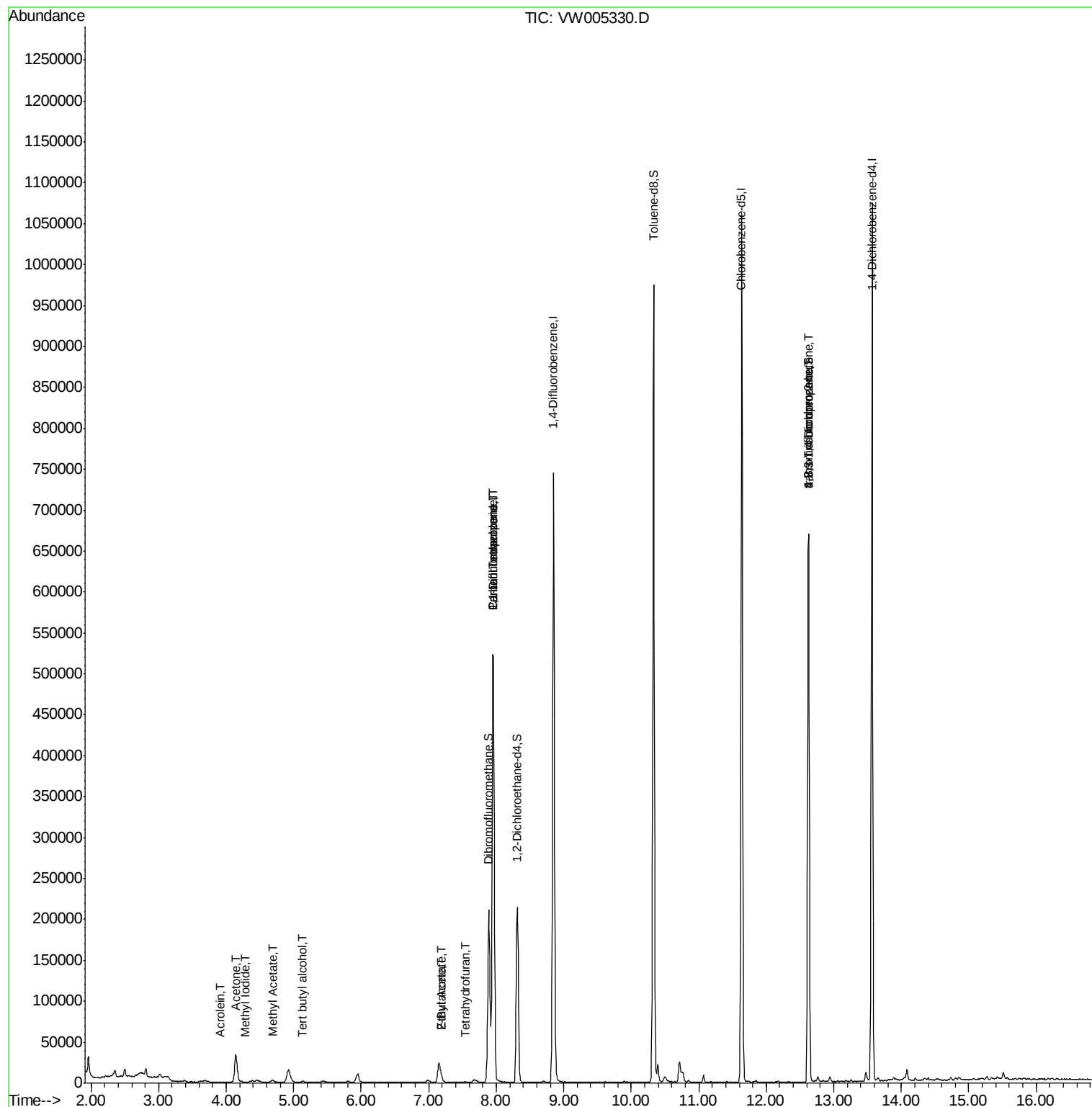
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	794	Below Cal	#	78
10) Methyl Iodide	4.28	142	41	3.335	ug/l #	45
11) Tert butyl alcohol	5.13	59	996	3.739	ug/l #	73
13) Acrolein	3.91	56	626	2.433	ug/l #	74
16) Acetone	4.14	43	59339	98.422	ug/l	98
18) Methyl Acetate	4.68	43	5305	2.948	ug/l	93
20) Methylene Chloride	4.92	84	12803	Below Cal		93
25) 2-Butanone	7.19	43	9937	10.449	ug/l #	84
29) Tetrahydrofuran	7.54	42	687	1.072	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	27889	4.605	ug/l #	48
37) Ethyl Acetate	7.19	43	9937	4.313	ug/l #	66
38) Carbon Tetrachloride	7.95	117	37038	6.528	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	100964	44.135	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	100964	103.506	ug/l #	16

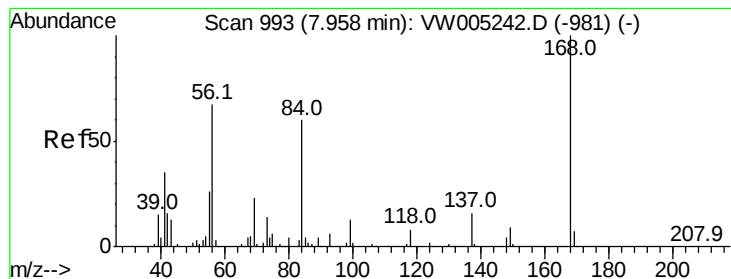
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005330.D

Acq: 12 Sep 2018 17:14

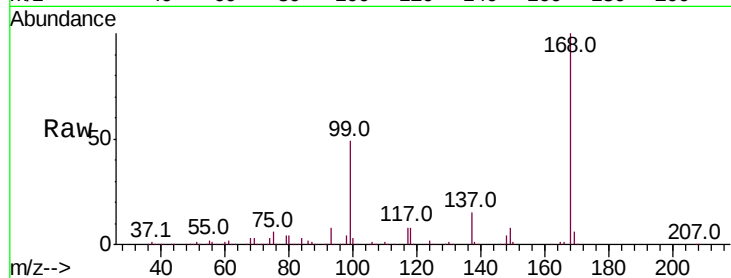
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 435487

Ion Ratio Lower Upper

168 100

99 49.2 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

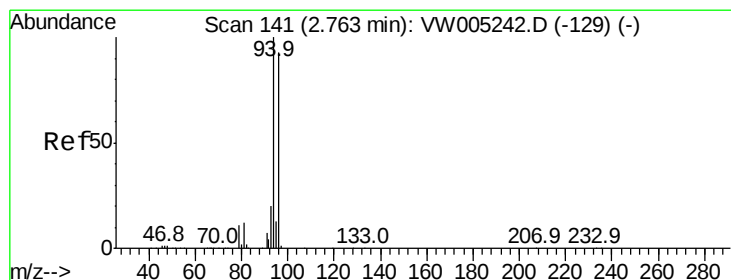
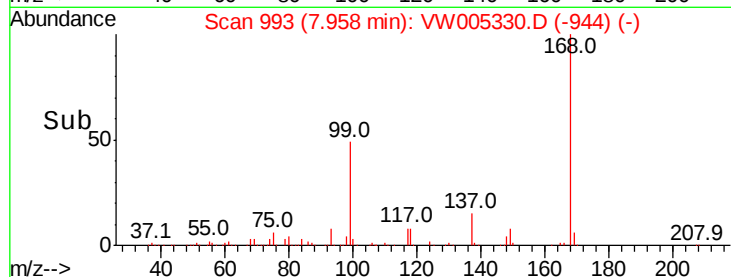
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW005330.D

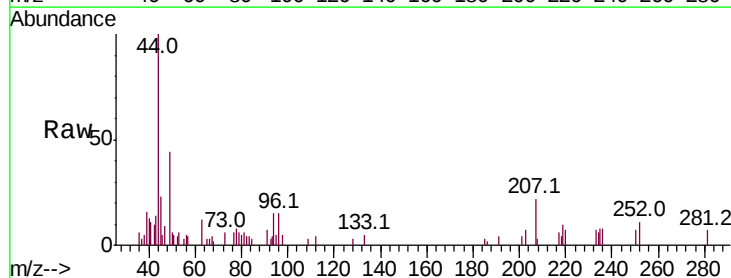
Acq: 12 Sep 2018 17:14

Tgt Ion: 94 Resp: 794

Ion Ratio Lower Upper

94 100

96 71.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

400

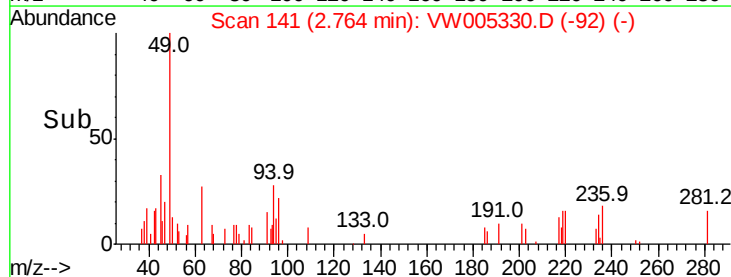
300

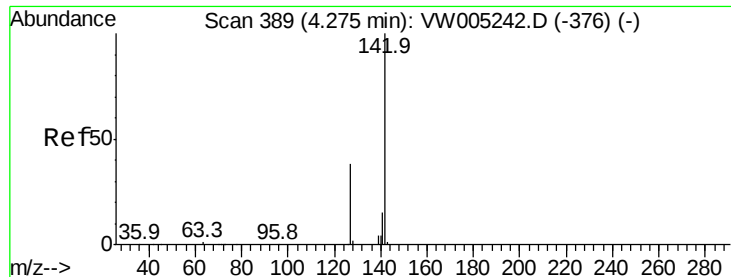
200

100

0

Time-->

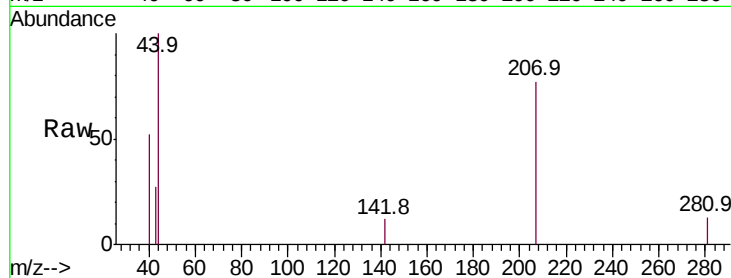




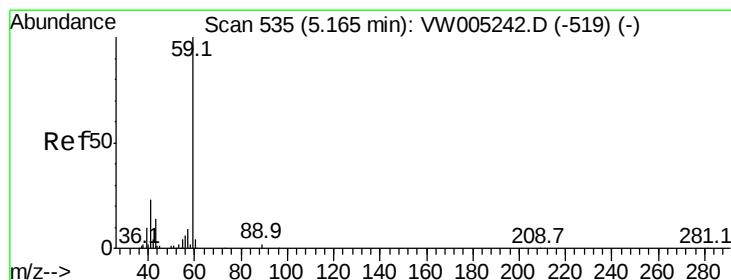
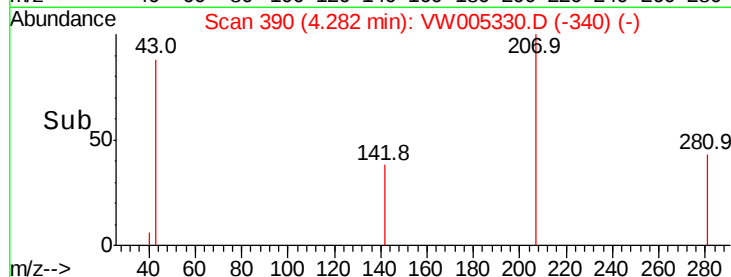
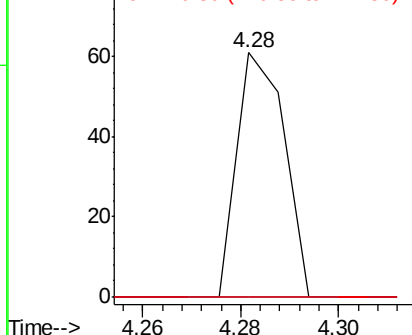
#10
Methvl Iodide
Concen: 3.335 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#

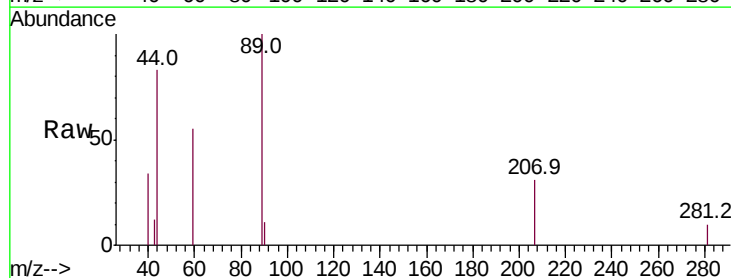


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

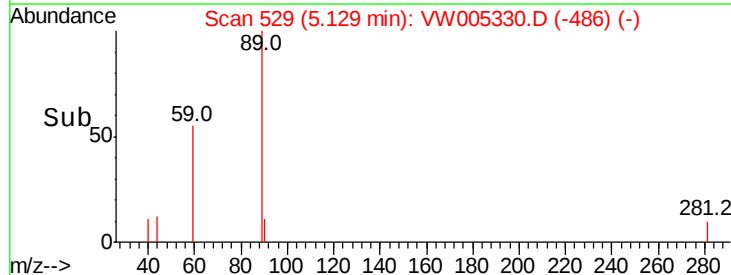
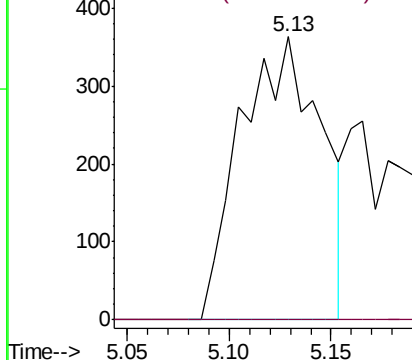


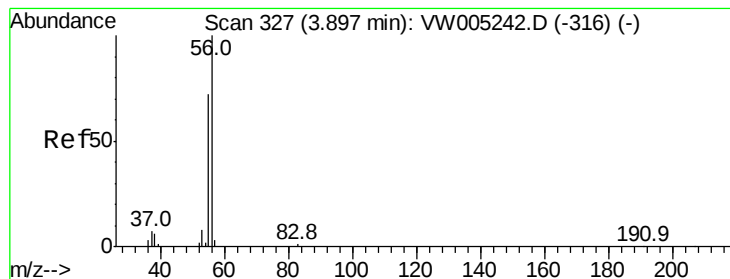
#11
Tert butyl alcohol
Concen: 3.739 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Tgt Ion: 59 Resp: 996
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





#13

Acrolein

Concen: 2.433 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW005330.D

Acq: 12 Sep 2018 17:14

Instrument :

MSVOA_W

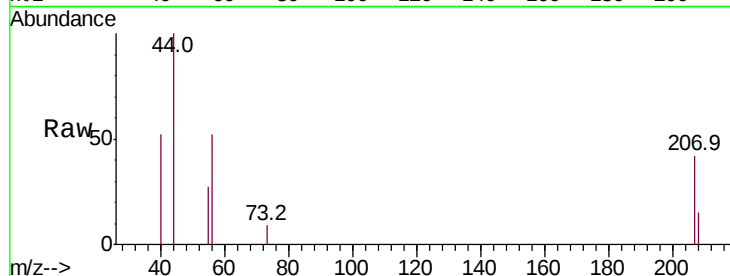
ClientSampled :

Tot Ion: 56 Resp: 626

Ion Ratio Lower Upper

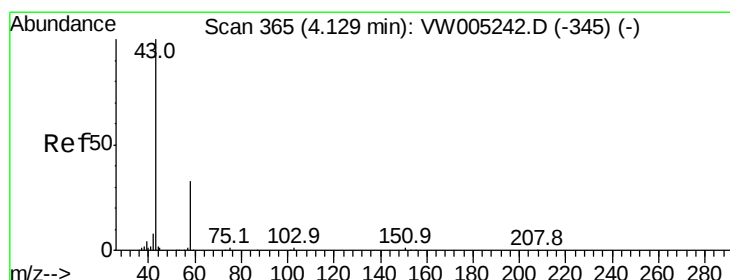
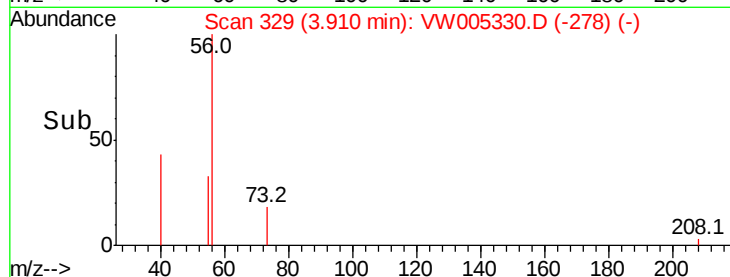
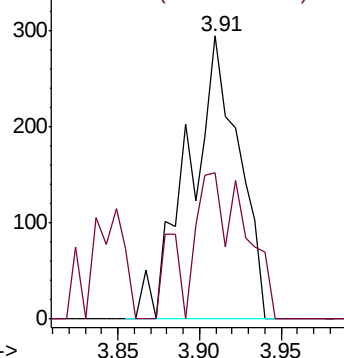
56 100

55 49.4 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 98.422 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005330.D

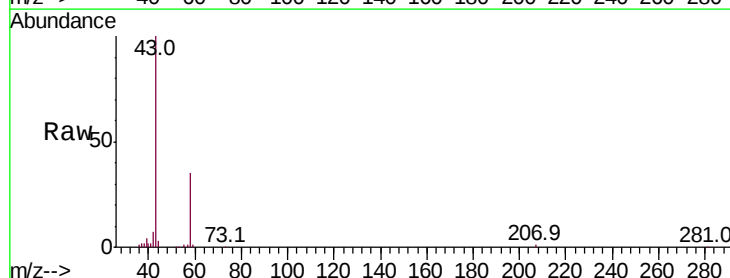
Acq: 12 Sep 2018 17:14

Tgt Ion: 43 Resp: 59339

Ion Ratio Lower Upper

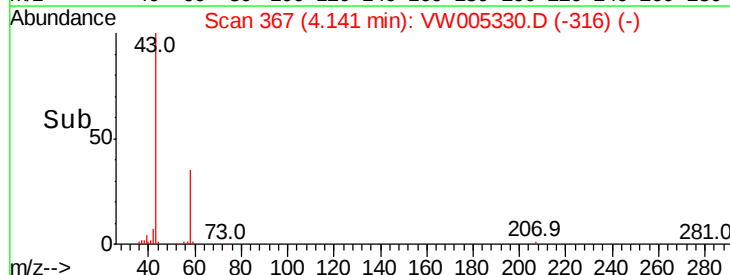
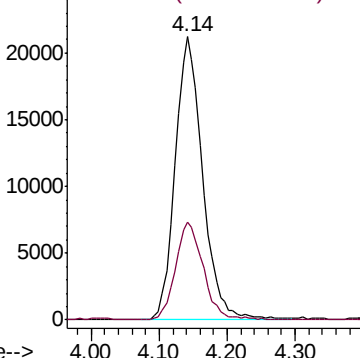
43 100

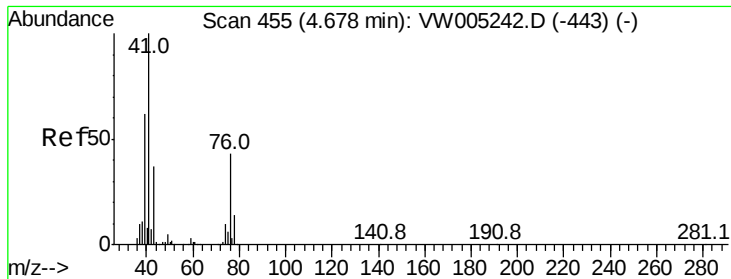
58 34.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

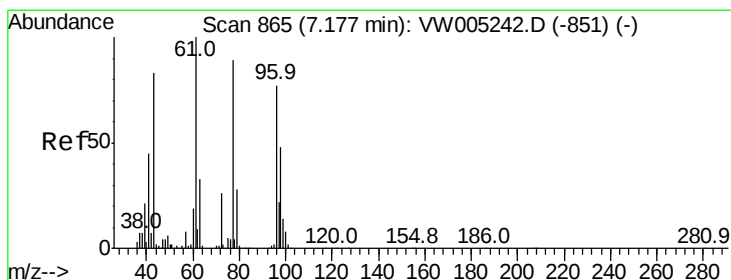
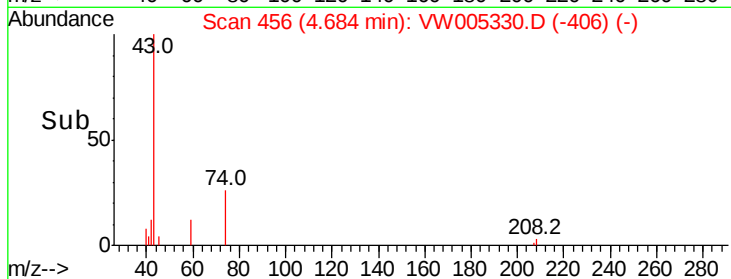
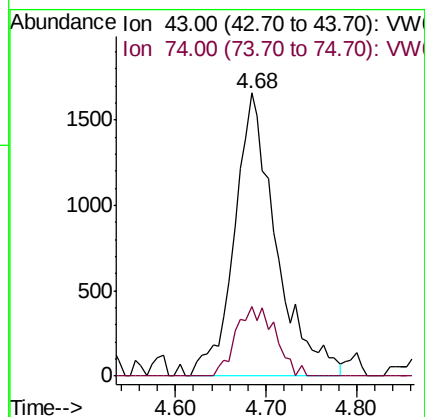
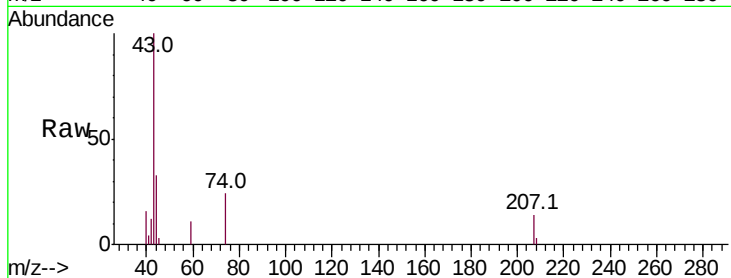




#18
Methvl Acetate
Concen: 2.948 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

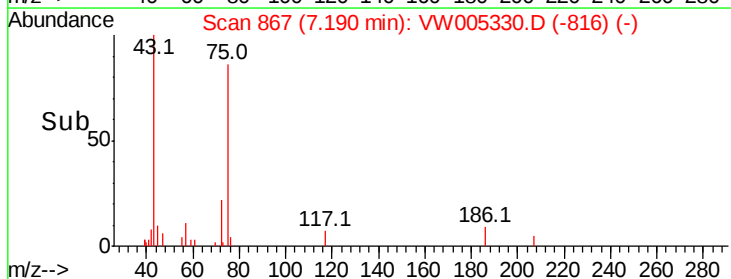
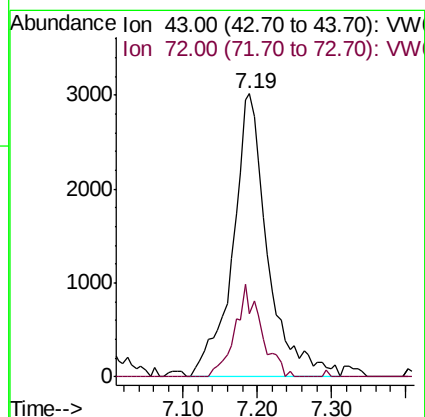
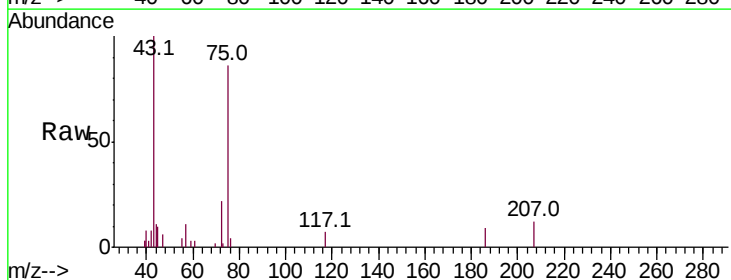
Instrument :
MSVOA_W
ClientSampled :

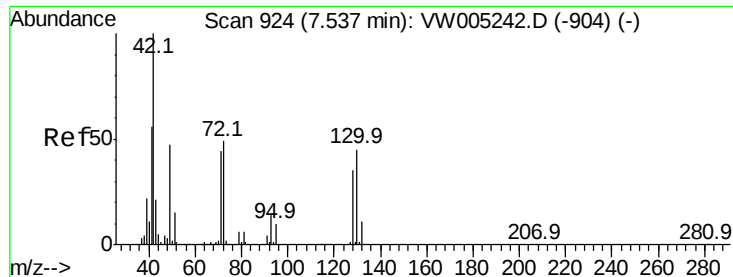
Tot Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
74 23.0 21.4 32.2



#25
2-Butanone
Concen: 10.449 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Tgt Ion: 43 Resp: 9937
Ion Ratio Lower Upper
43 100
72 22.2 25.0 37.6#

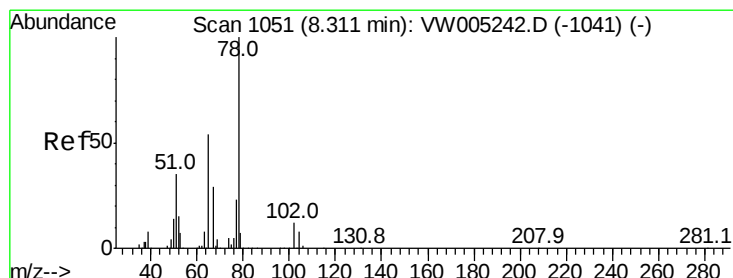
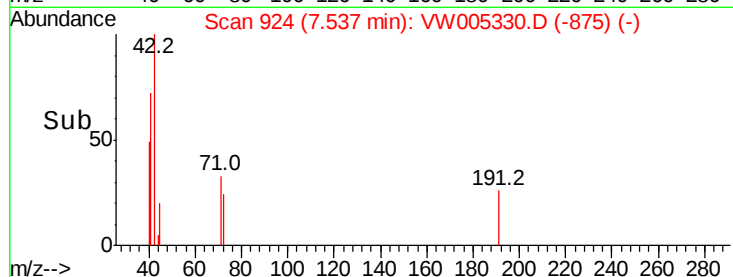
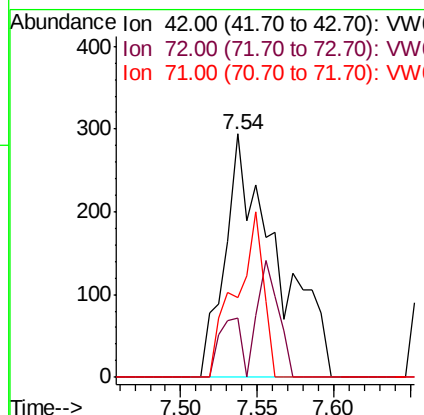
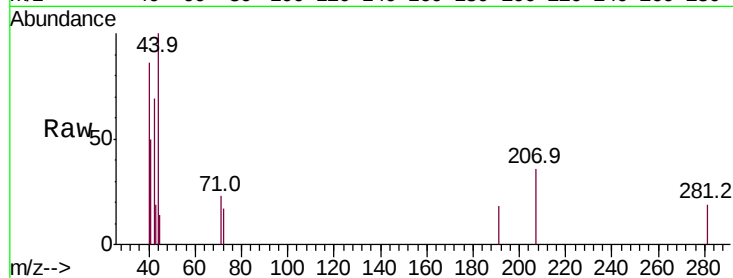




#29
Tetrahydrofuran
Concen: 1.072 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

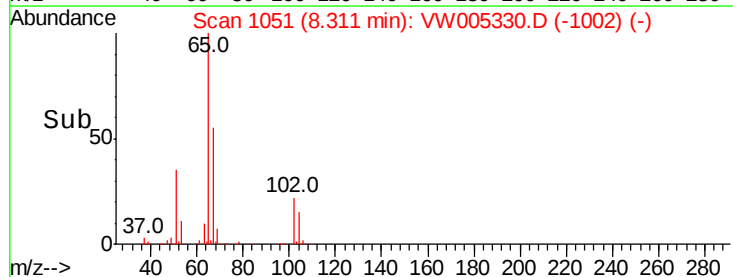
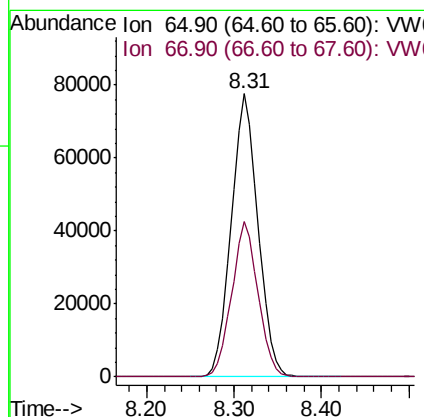
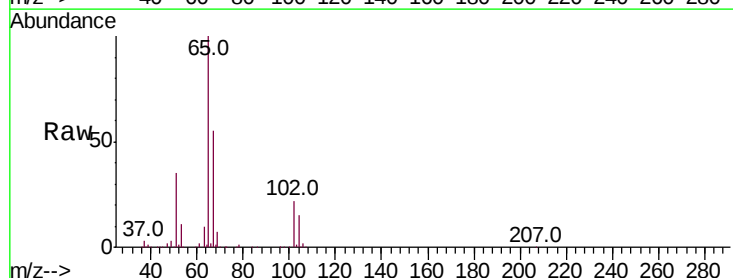
Instrument :
MSVOA_W
ClientSampleId :

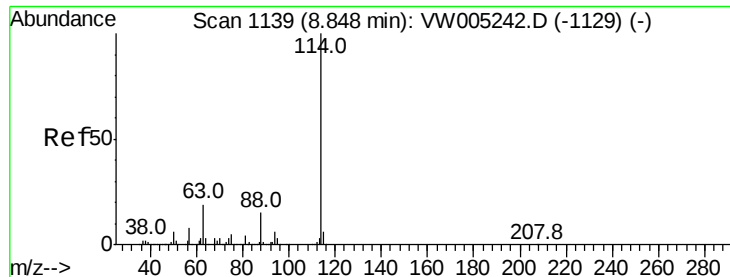
Tot Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 10.2 37.5 56.3#
71 0.0 34.8 52.2#



#33
1,2-Dichloroethane-d4
Concen: 50.703 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Tgt Ion: 65 Resp: 164690
Ion Ratio Lower Upper
65 100
67 54.2 0.0 112.2

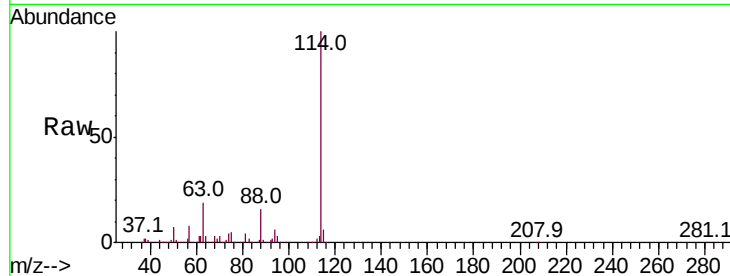




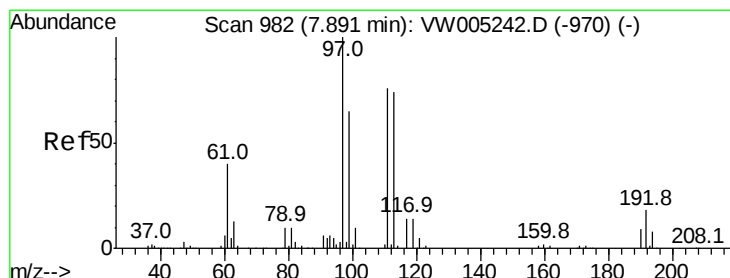
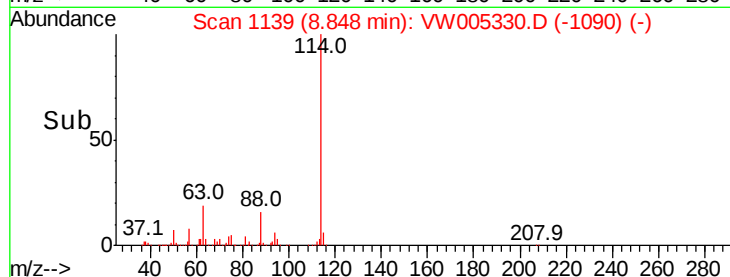
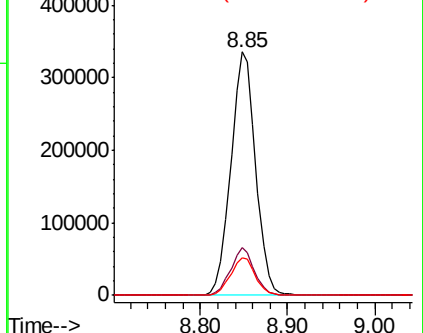
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005330.D
 Acq: 12 Sep 2018 17:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 661101
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.0
 88 15.5 0.0 30.4

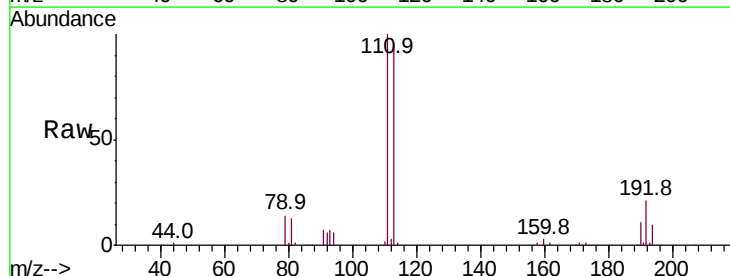


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

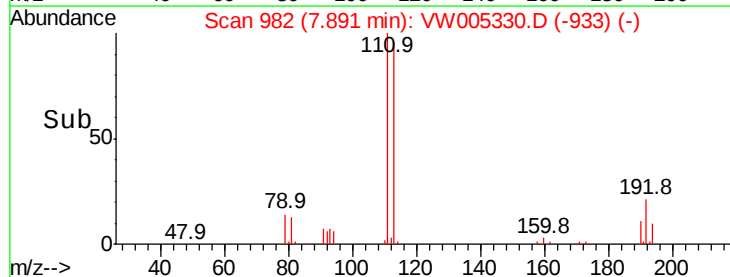
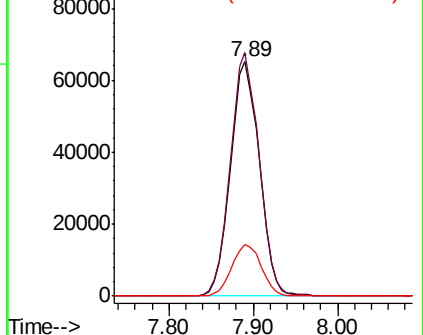


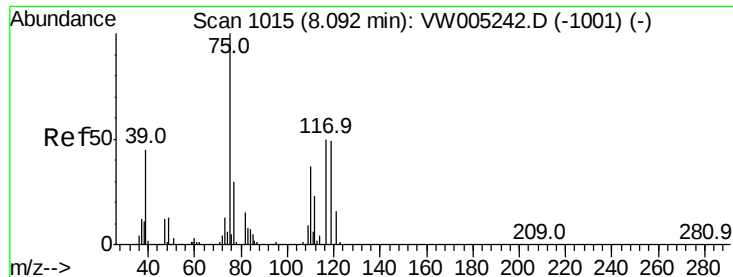
#35
 Dibromofluoromethane
 Concen: 43.862 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005330.D
 Acq: 12 Sep 2018 17:14

Tgt Ion:113 Resp: 151896
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.6 121.0
 192 22.3 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: 4.605 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.14 min

Lab File: VW005330.D

Acq: 12 Sep 2018 17:14

Instrument :
MSVOA_W
ClientSampleId :

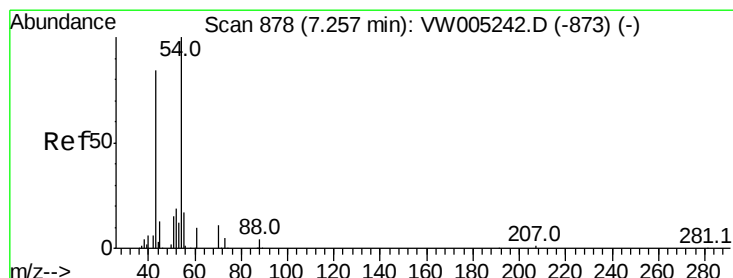
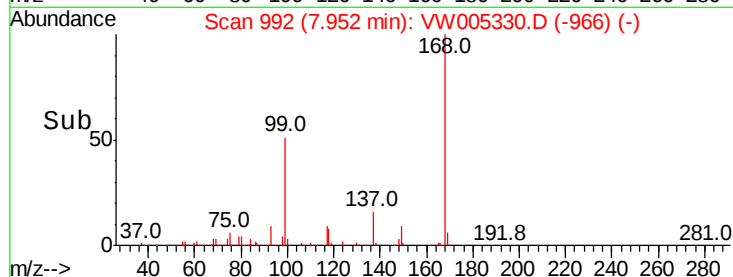
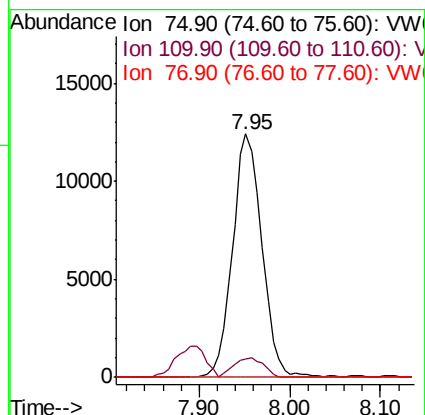
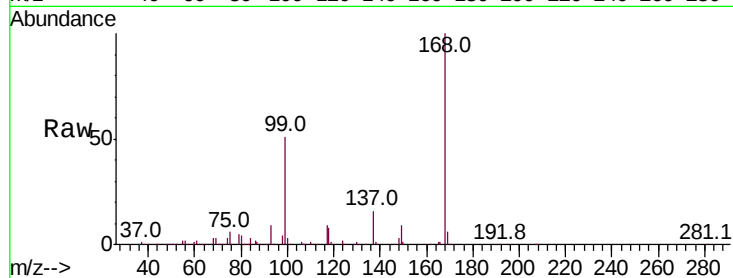
Tot Ion: 75 Resp: 27889

Ion Ratio Lower Upper

75 100

110 8.2 18.8 56.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.313 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW005330.D

Acq: 12 Sep 2018 17:14

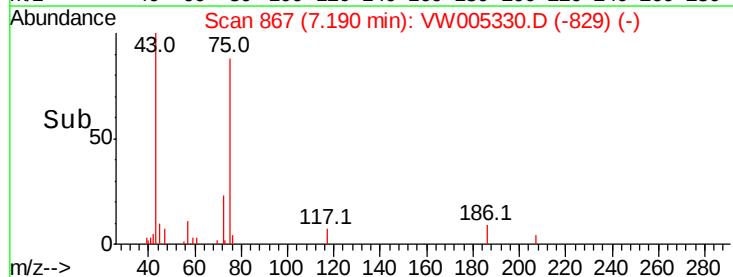
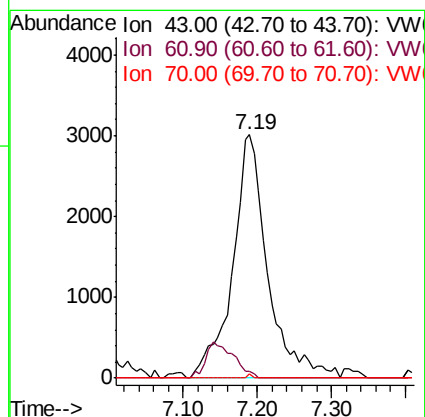
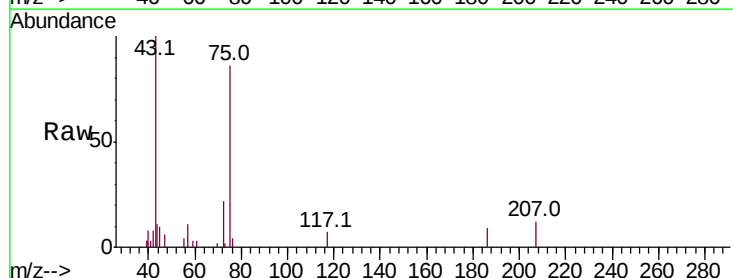
Tgt Ion: 43 Resp: 9937

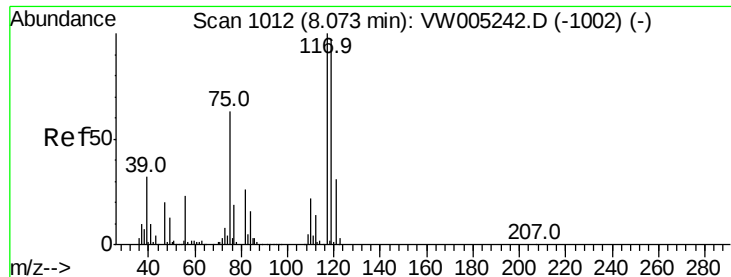
Ion Ratio Lower Upper

43 100

61 0.0 12.3 18.5#

70 0.2 9.5 14.3#





#38

Carbon Tetrachloride

Concen: 6.528 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005330.D

Acq: 12 Sep 2018 17:14

Instrument :

MSVOA_W

ClientSampleId :

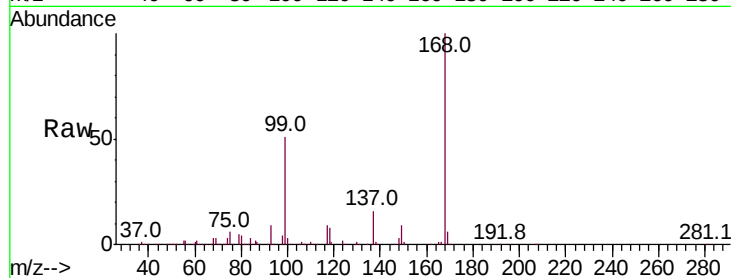
Tot Ion:117 Resp: 37038

Ion Ratio Lower Upper

117 100

119 6.6 77.5 116.3#

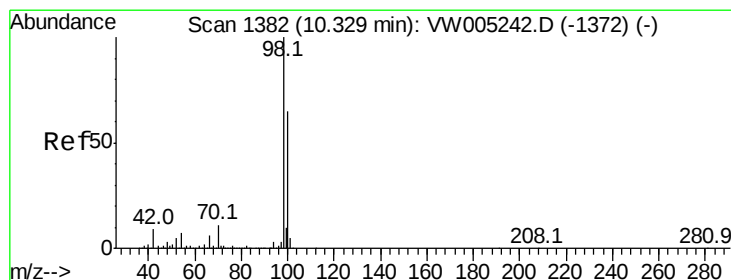
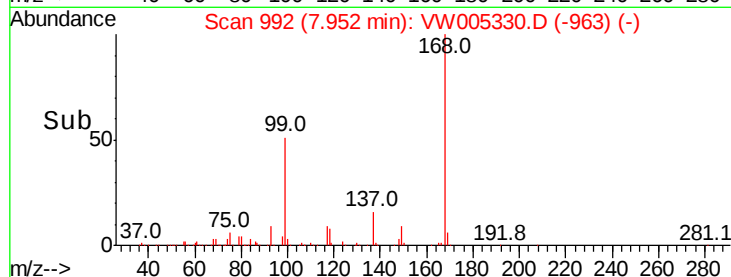
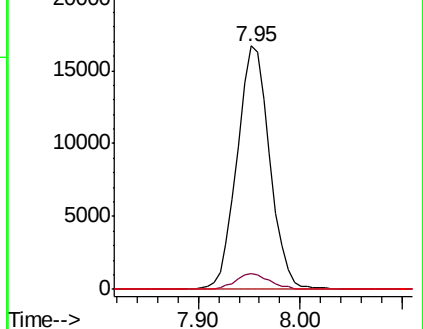
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 38.216 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005330.D

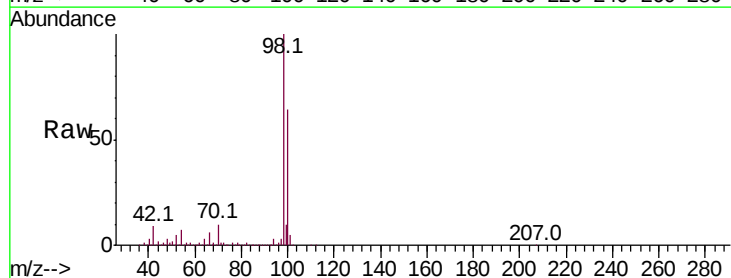
Acq: 12 Sep 2018 17:14

Tgt Ion: 98 Resp: 668768

Ion Ratio Lower Upper

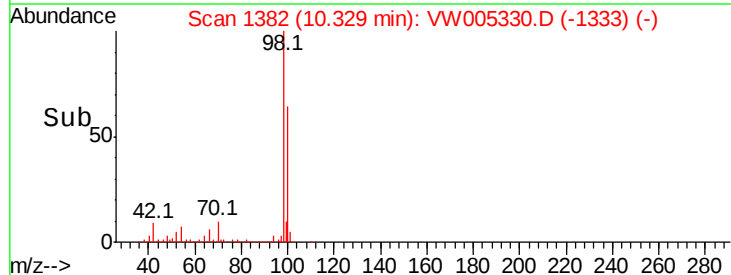
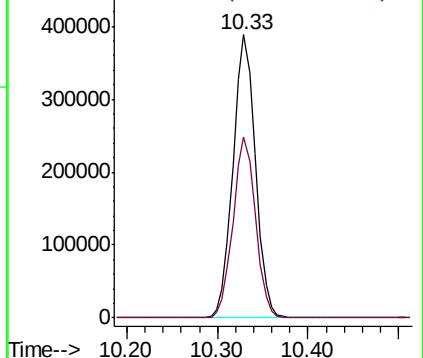
98 100

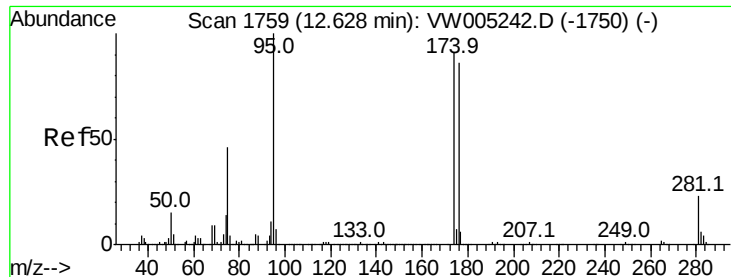
100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

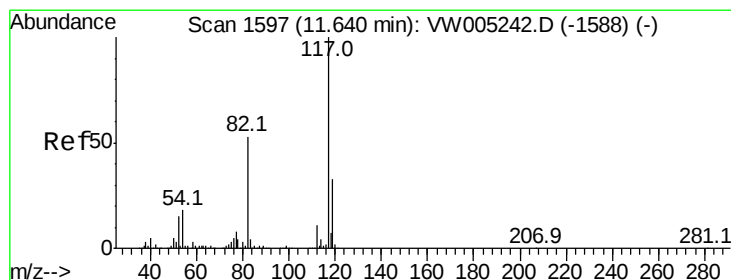
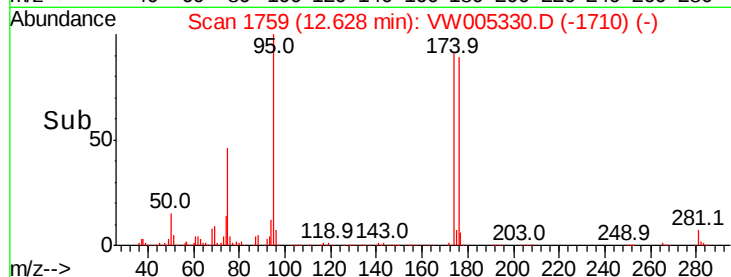
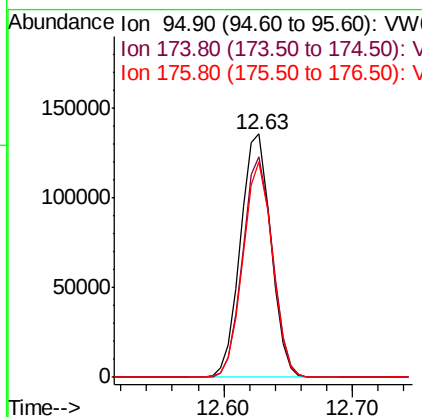
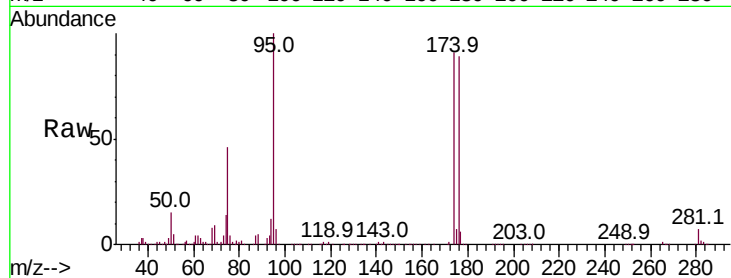




#62
4-Bromofluorobenzene
Concen: 34.608 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.00 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

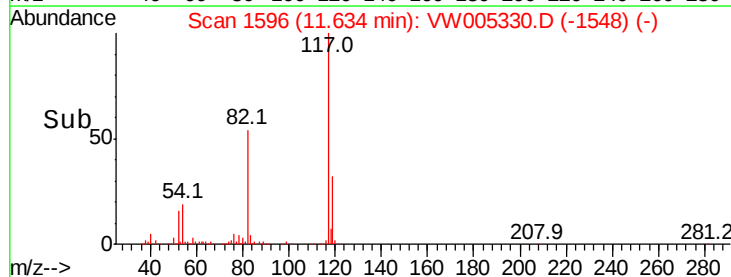
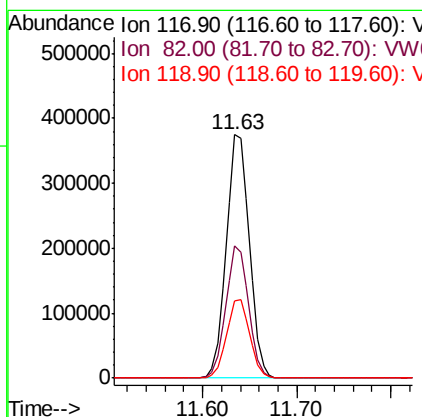
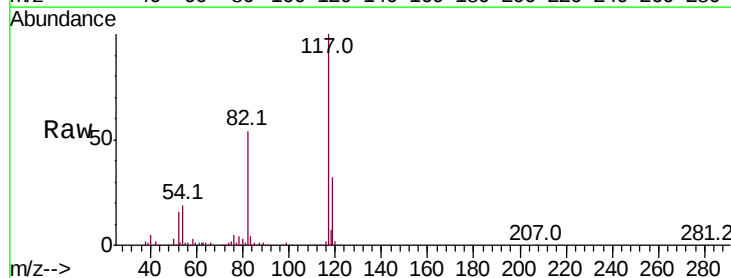
Instrument :
MSVOA_W
ClientSampleId :

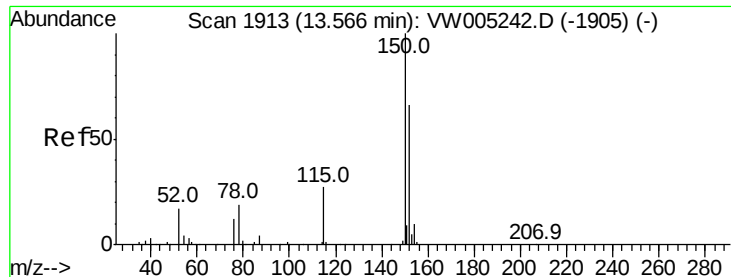
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	174.6
176	85.7	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.6	63.8
119	31.9	26.2	39.4



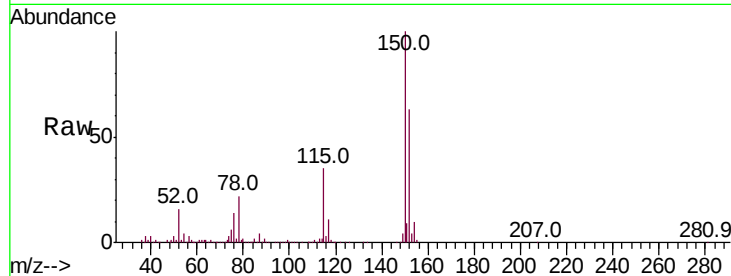


#72

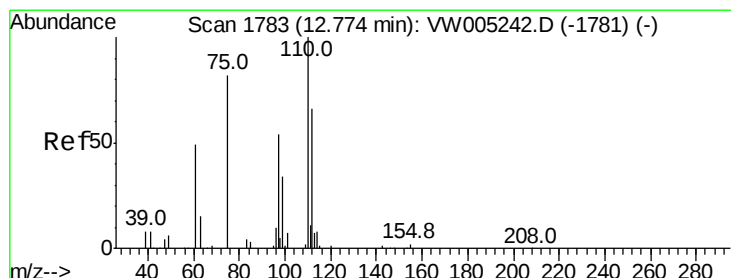
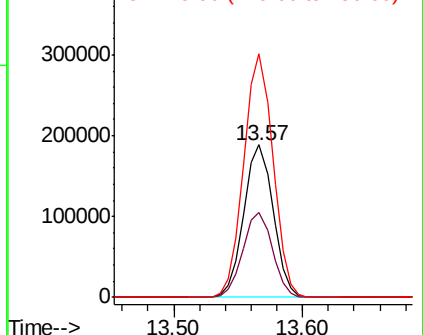
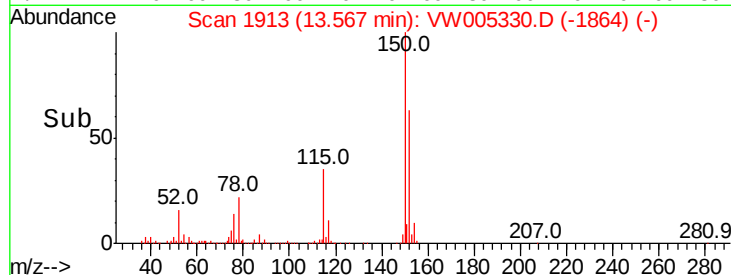
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 297422
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 158.6 0.0 347.4



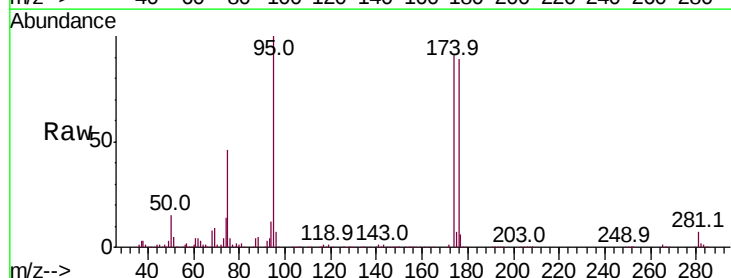
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



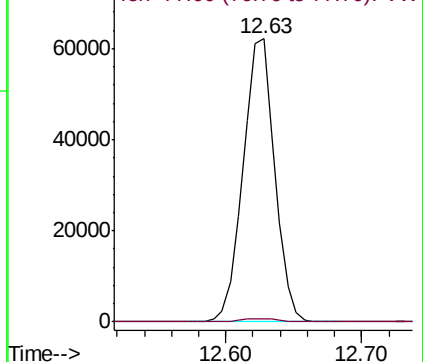
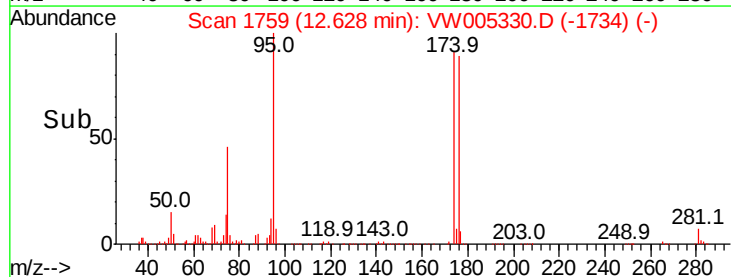
#76

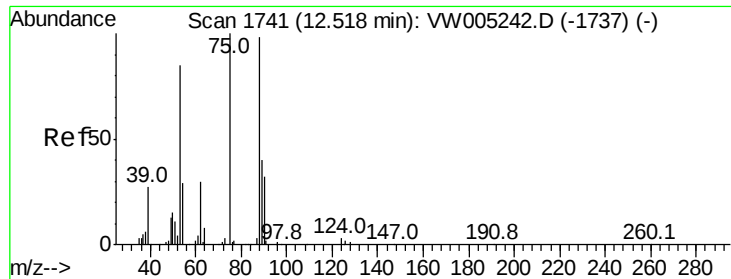
1,2,3-Trichloropropane
Concen: 44.135 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005330.D
Acq: 12 Sep 2018 17:14

Tgt Ion: 75 Resp: 100964
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 103.506 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005330.D

Acq: 12 Sep 2018 17:14

Instrument :

MSVOA_W

ClientSampleId :

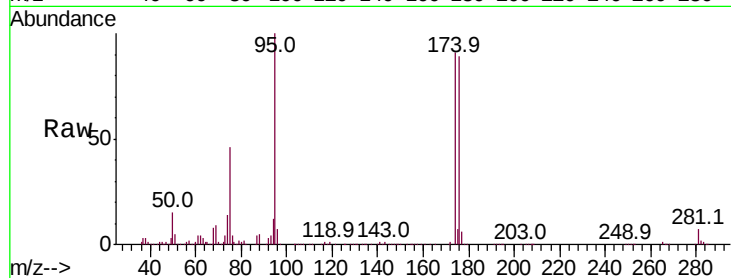
Tot Ion: 75 Resp: 100964

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.2 37.0 55.4#



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

