

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005622.D
 Acq On : 25 Sep 2018 20:02
 Operator : VA/AP
 Sample : J5066-12
 Misc : 5.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I3

Quant Time: Sep 26 04:16:36 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	436811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183995	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	174653	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	
35) Dibromofluoromethane	7.89	113	144666	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.33	98	558725	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	185032	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

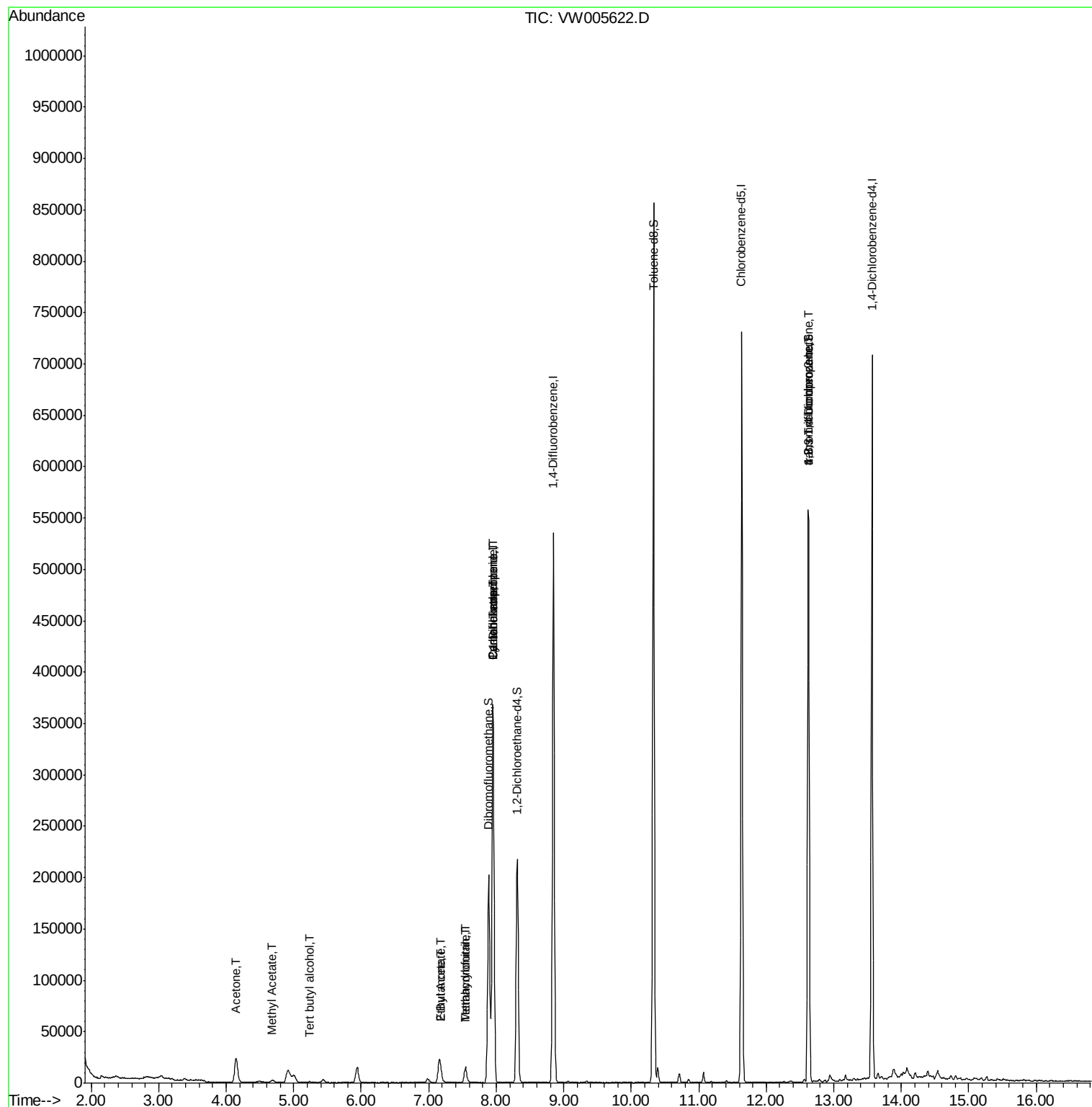
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	929	3.269	ug/l #	72
13) Acrolein	3.68	56	27	Below Cal	#	13
16) Acetone	4.15	43	49539	92.292	ug/l	100
18) Methyl Acetate	4.68	43	5109	3.361	ug/l #	90
20) Methylene Chloride	4.91	84	9310	Below Cal		93
25) 2-Butanone	7.18	43	7426	9.533	ug/l #	87
29) Tetrahydrofuran	7.54	42	12305	25.284	ug/l	97
31) Cyclohexane	7.95	56	6060	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21477	4.884	ug/l #	50
37) Ethyl Acetate	7.18	43	7426	4.013	ug/l #	70
38) Carbon Tetrachloride	7.95	117	27287	5.791	ug/l #	16
41) Methacrylonitrile	7.54	41	7872	7.476	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	94582	60.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94582	135.822	ug/l #	7

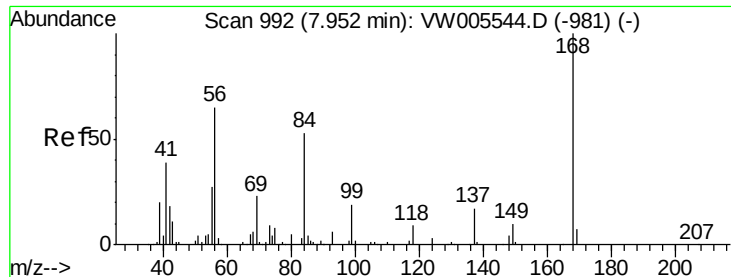
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005622.D

Acq: 25 Sep 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

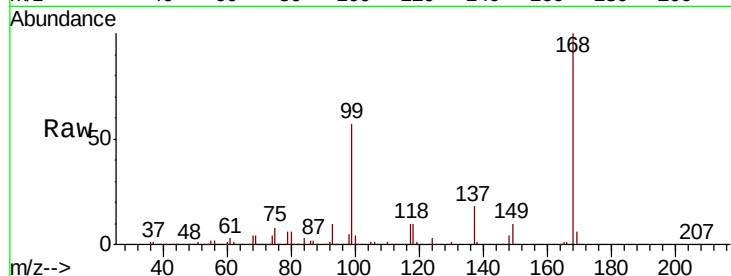
EP1-Q1-I3

Tgt Ion: 168 Resp: 272264

Ion Ratio Lower Upper

168 100

99 57.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

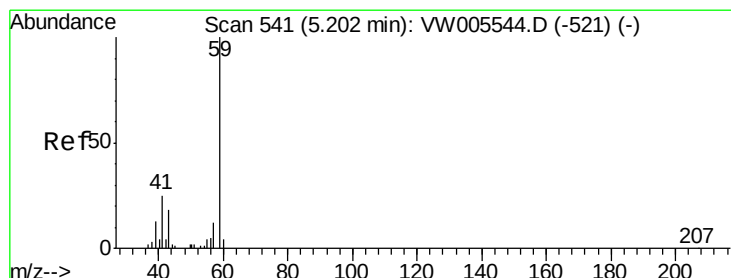
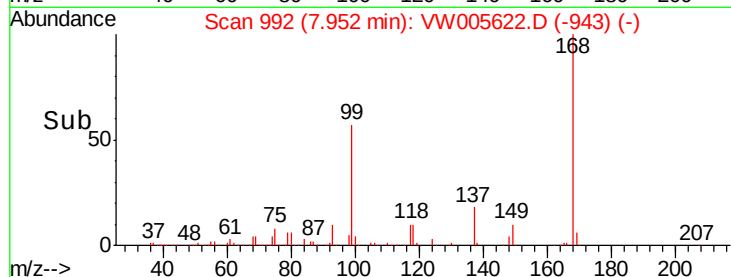
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.269 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.02 min

Lab File: VW005622.D

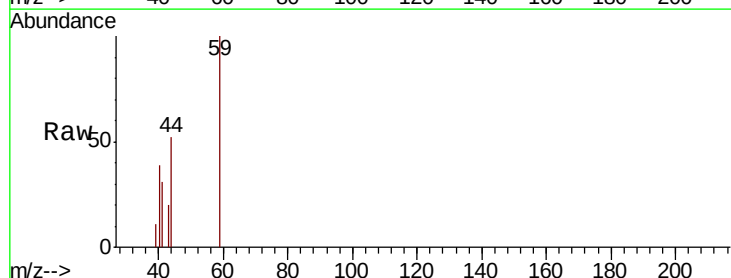
Acq: 25 Sep 2018 20:02

Tgt Ion: 59 Resp: 929

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

600

500

400

300

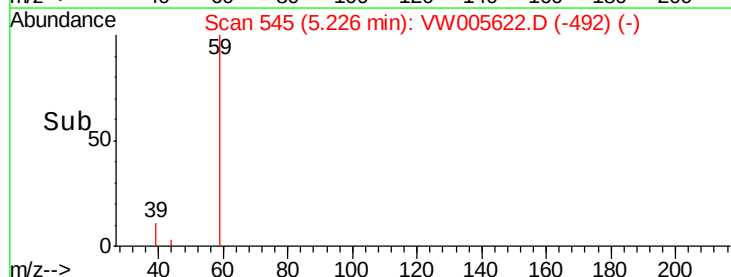
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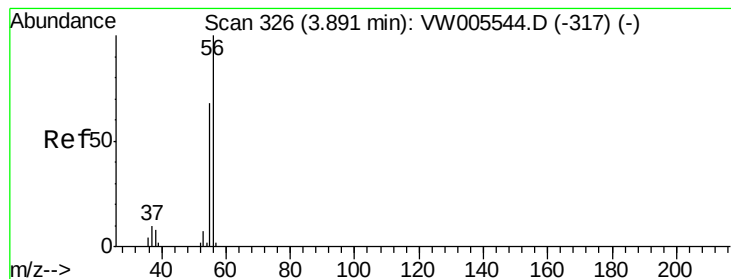
100

0

Time-->

5.15 5.20 5.25





#13

Acrolein

Concen: Below Cal

RT: 3.68 min Scan# 291

Delta R.T. -0.21 min

Lab File: VW005622.D

Acq: 25 Sep 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

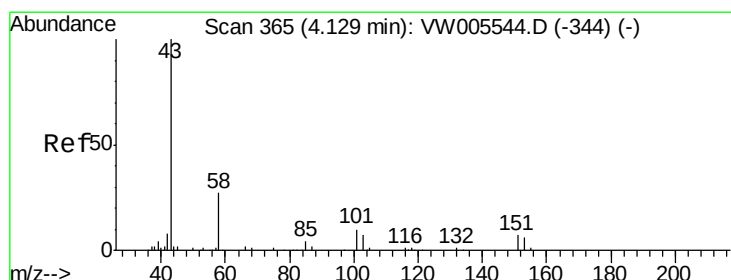
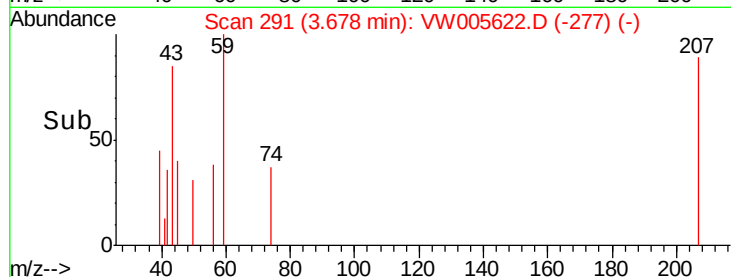
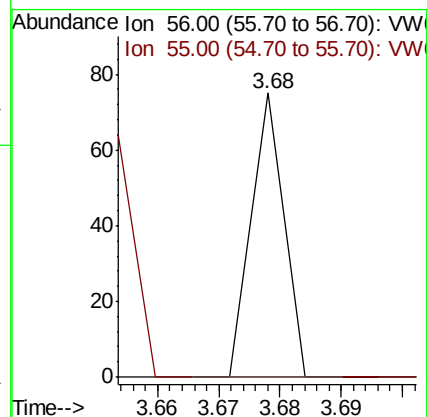
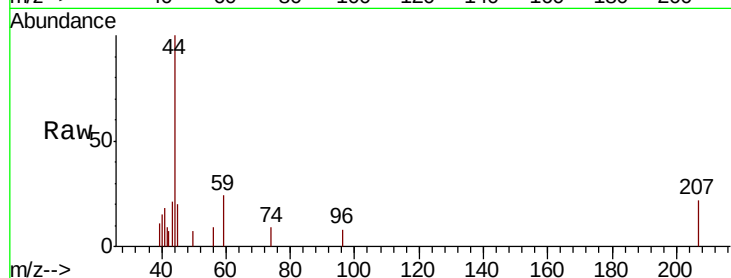
EP1-Q1-I3

Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#



#16

Acetone

Concen: 92.292 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005622.D

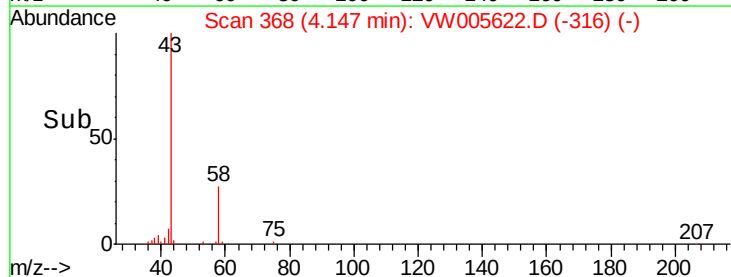
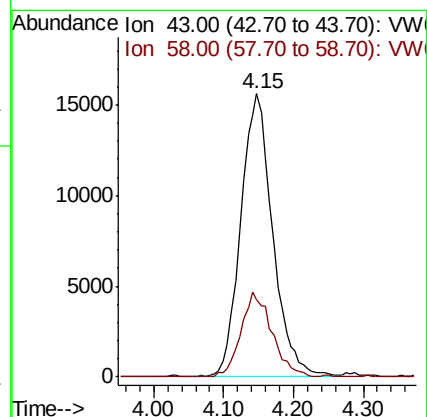
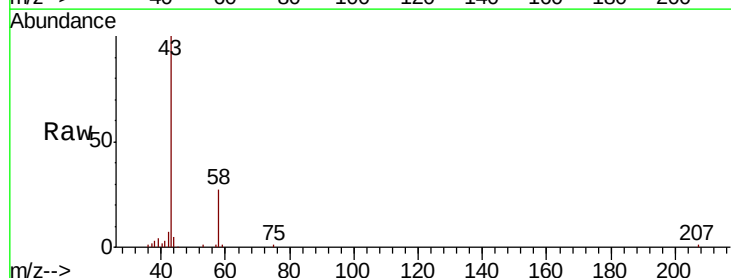
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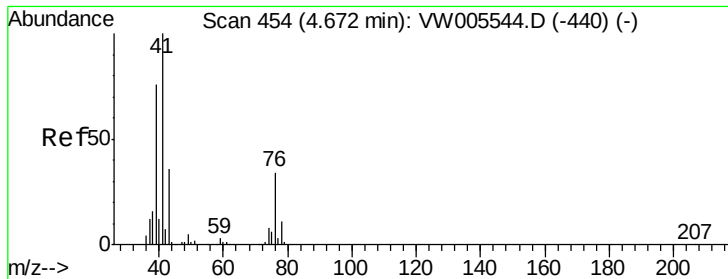
Tgt Ion: 43 Resp: 49539

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.8

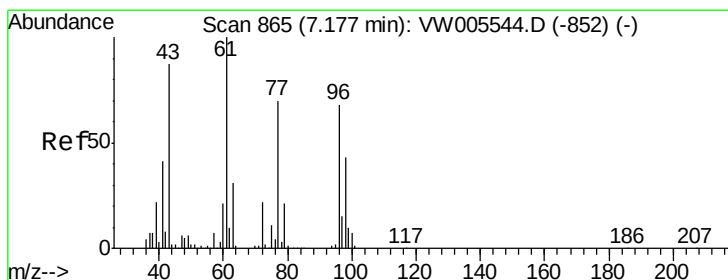
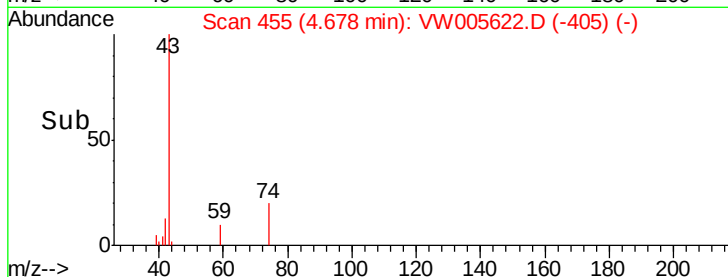
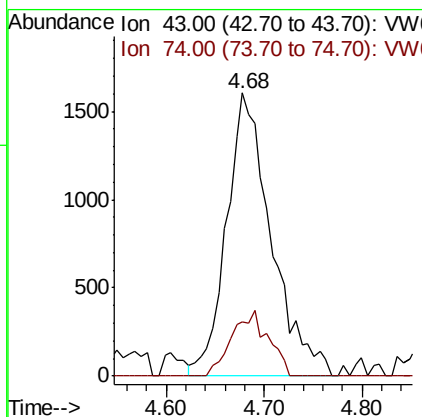
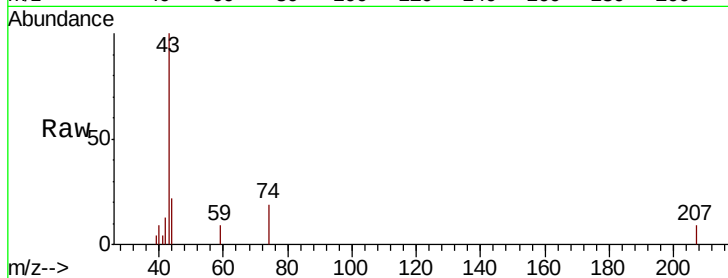




#18
Methyl Acetate
Concen: 3.361 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

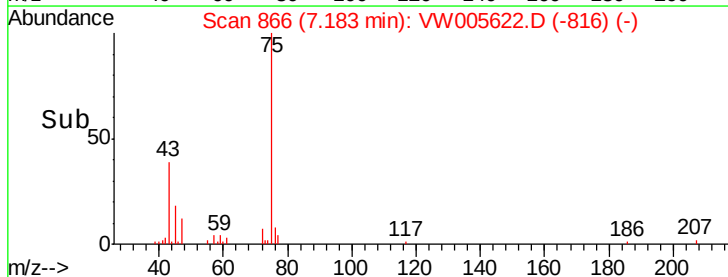
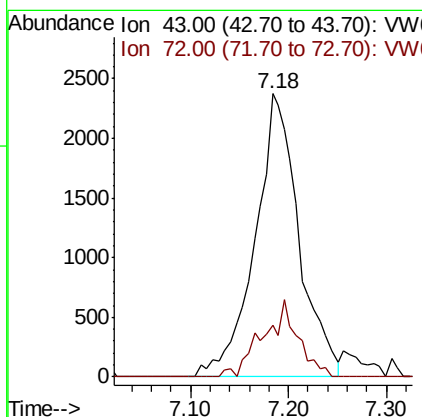
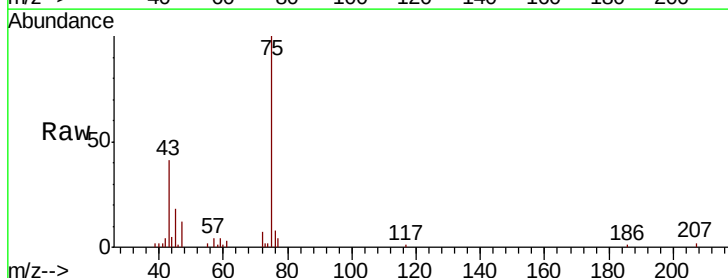
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-I3

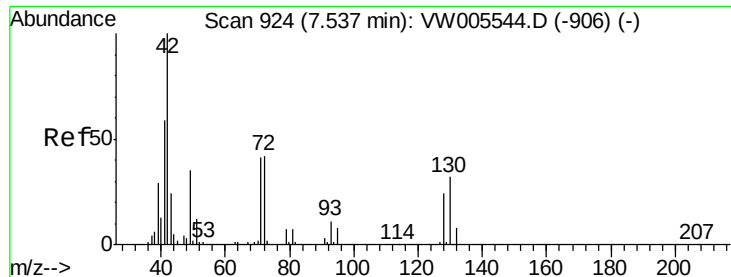
Tgt Ion: 43 Resp: 5109
Ion Ratio Lower Upper
43 100
74 18.9 19.2 28.8#



#25
2-Butanone
Concen: 9.533 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
72 18.2 19.9 29.9#

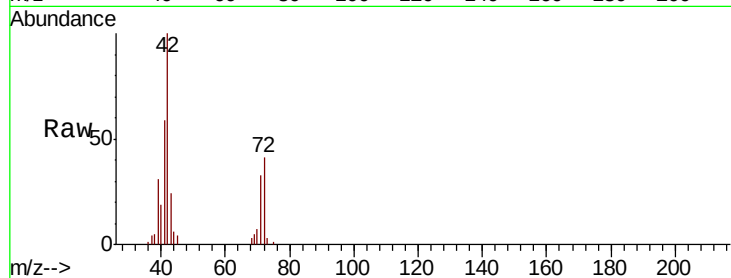




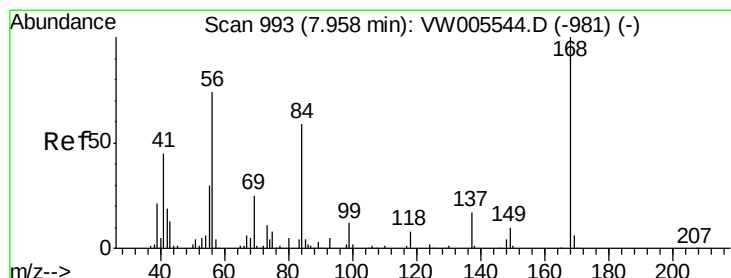
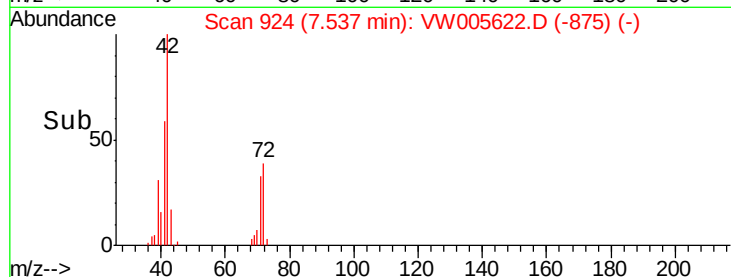
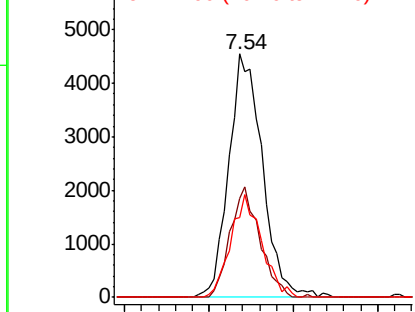
#29
Tetrahydrofuran
Concen: 25.284 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I3

Tgt Ion:	42	Resp:	12305
Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.6	50.4
71	38.6	31.8	47.6

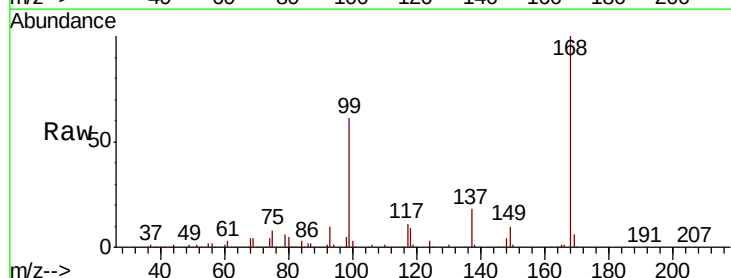


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

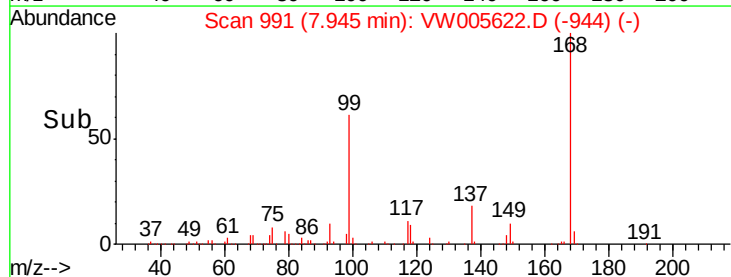
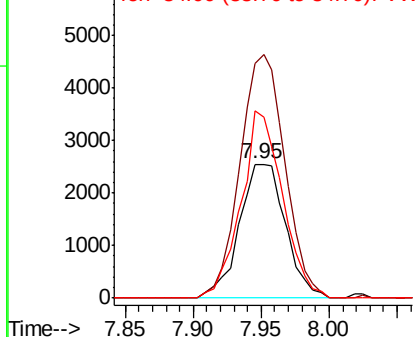


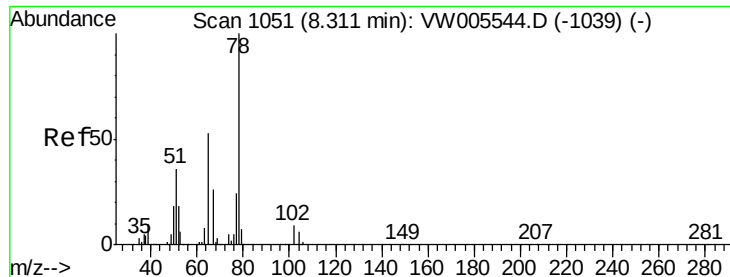
#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Tgt Ion:	56	Resp:	6060
Ion	Ratio	Lower	Upper
56	100		
69	175.5	27.0	40.4#
84	140.2	64.2	96.4#



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

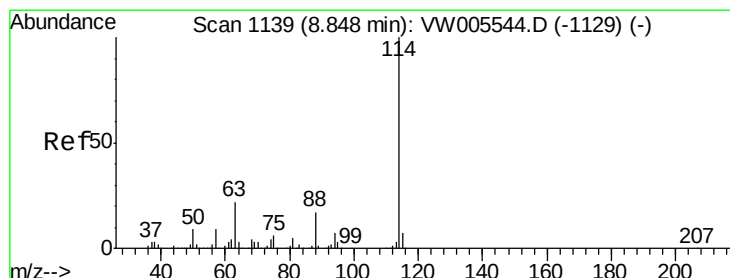
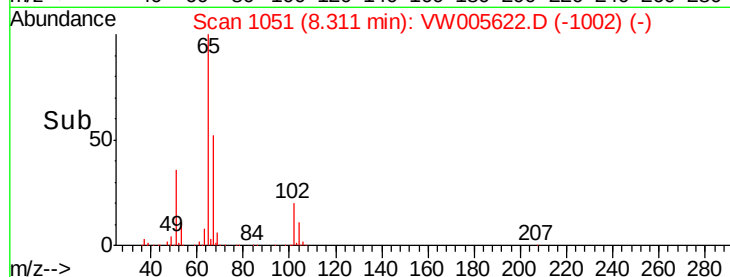
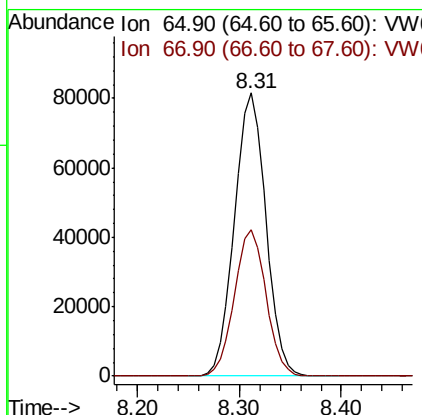
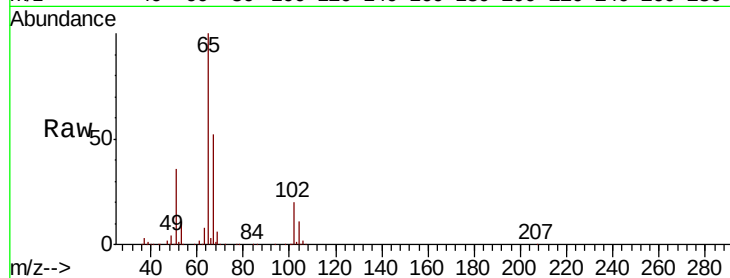




#33
 1,2-Dichloroethane-d4
 Concen: 54.452 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005622.D
 Acq: 25 Sep 2018 20:02

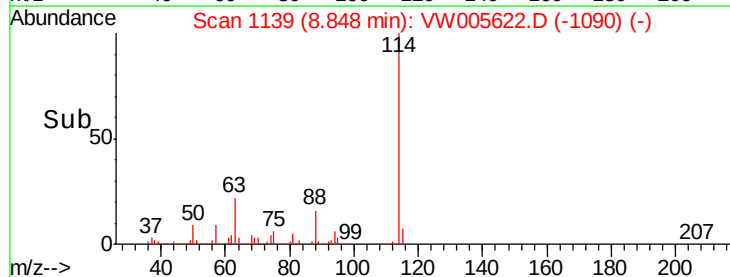
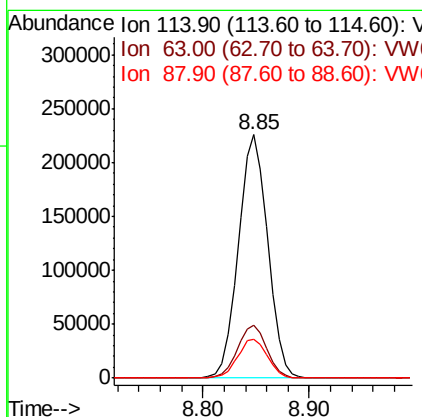
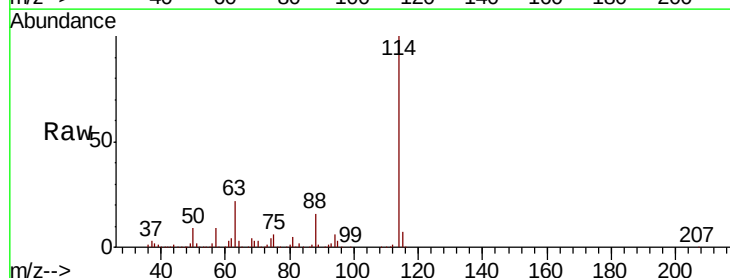
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I3

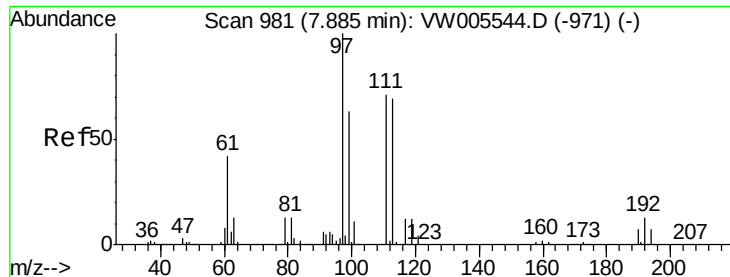
Tgt Ion: 65 Resp: 174653
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005622.D
 Acq: 25 Sep 2018 20:02

Tgt Ion: 114 Resp: 436811
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 16.0 0.0 33.0

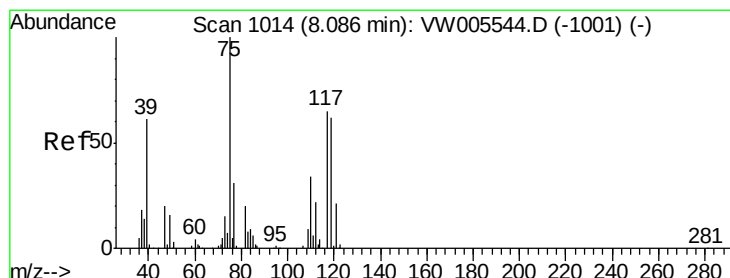
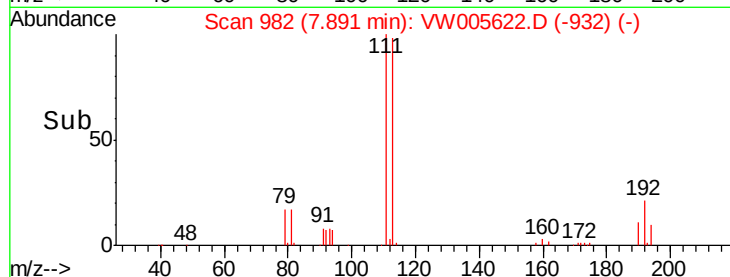
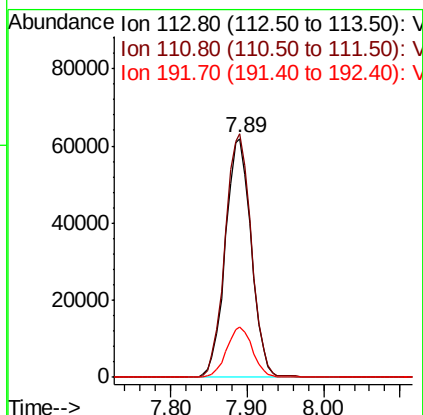
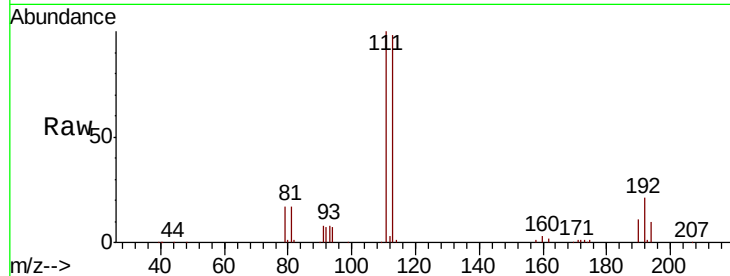




#35
 Dibromofluoromethane
 Concen: 52.665 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005622.D
 Acq: 25 Sep 2018 20:02

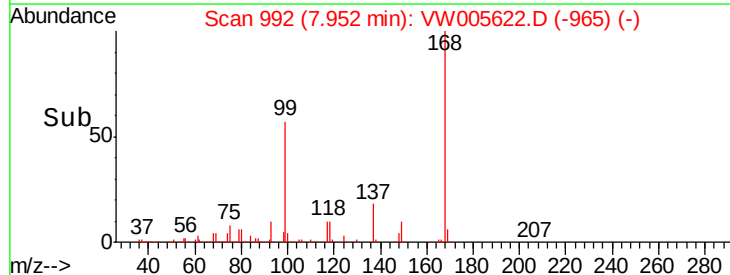
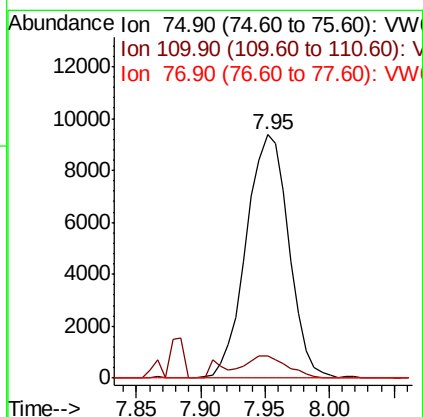
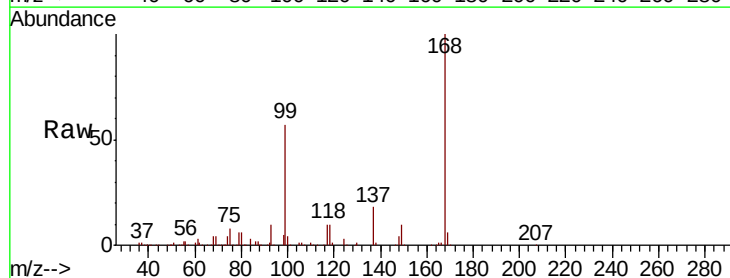
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I3

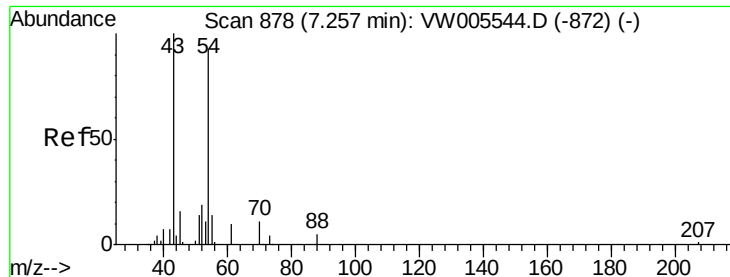
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	20.9	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005622.D
 Acq: 25 Sep 2018 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.8	37.2#

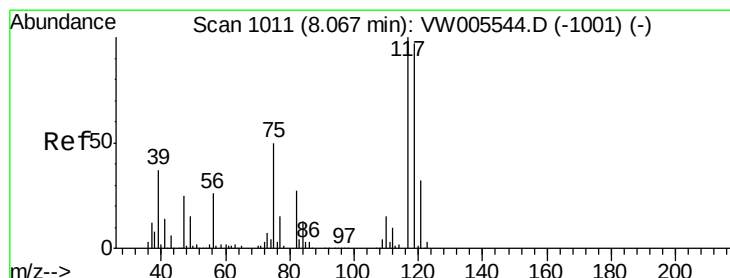
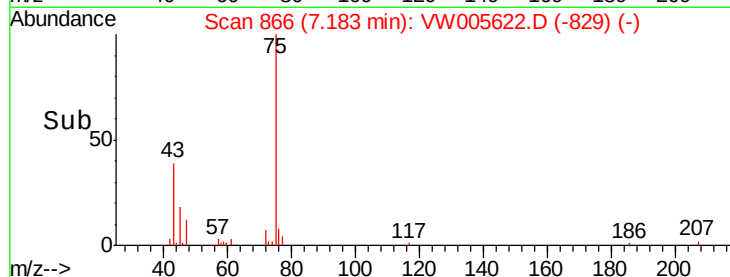
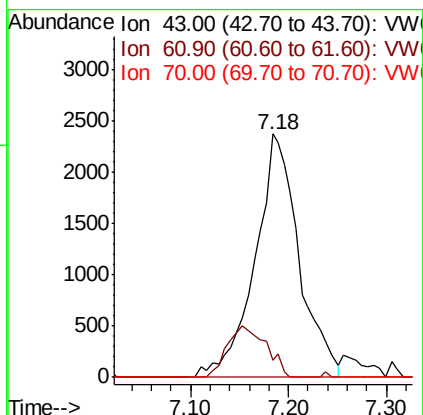
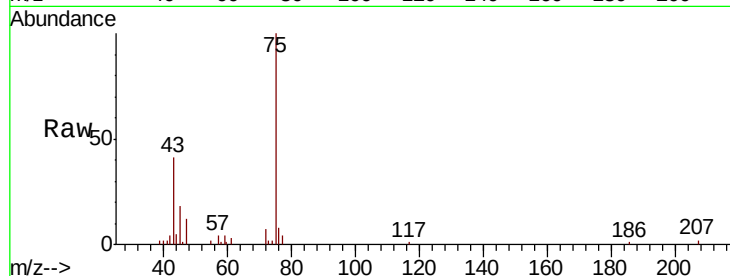




#37
Ethyl Acetate
Concen: 4.013 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

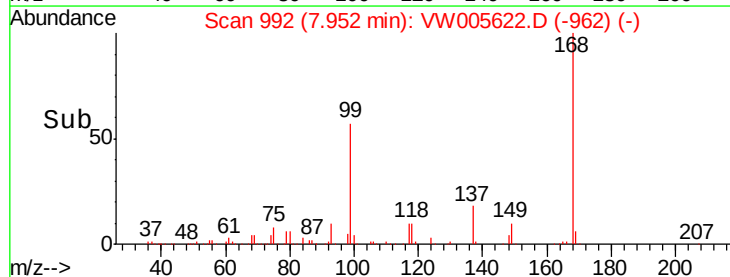
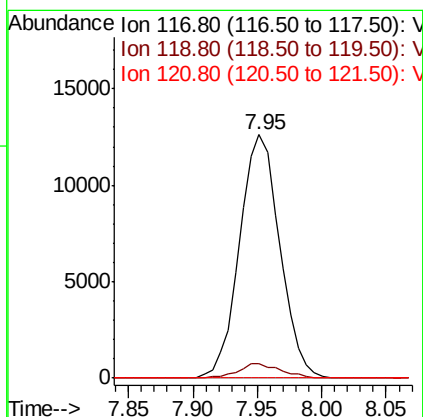
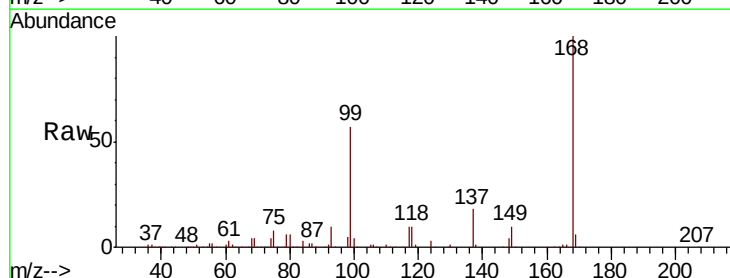
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I3

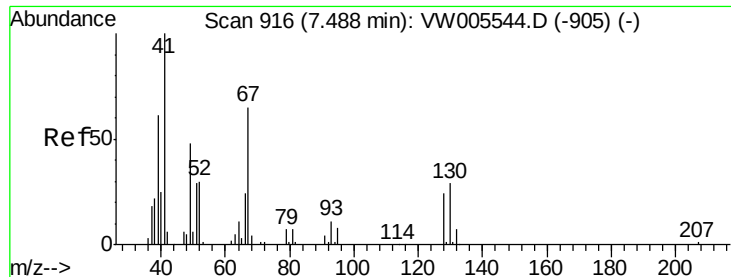
Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Tgt Ion: 117 Resp: 27287
Ion Ratio Lower Upper
117 100
119 6.0 77.6 116.4#
121 0.0 25.7 38.5#

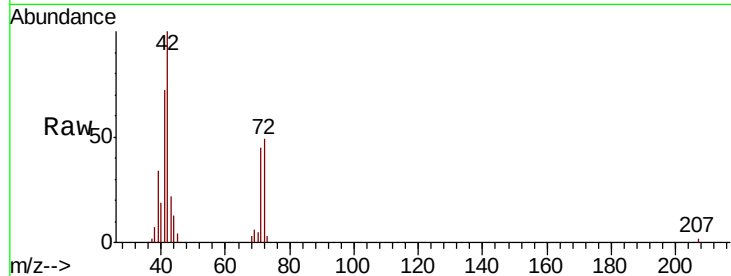




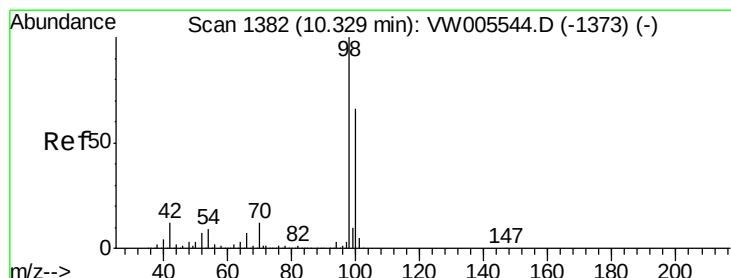
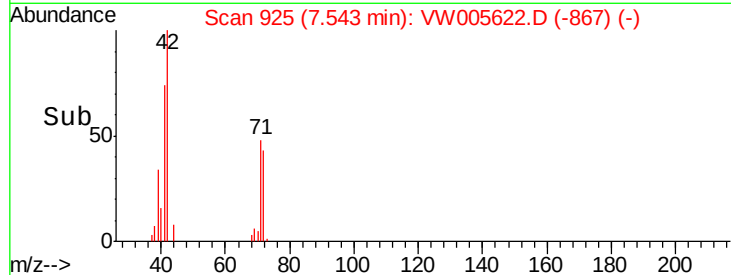
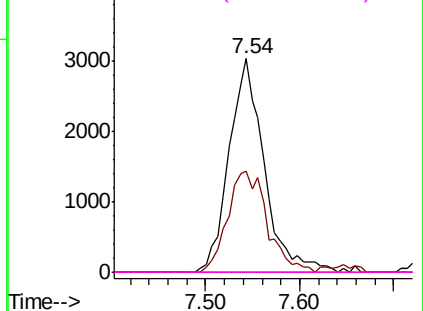
#41
Methacrylonitrile
Concen: 7.476 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.05 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I3

Tgt Ion:	41	Resp:	7872
Ion	Ratio	Lower	Upper
41	100		
39	53.2	45.4	68.2
67	0.0	55.2	82.8#
52	0.0	25.3	37.9#

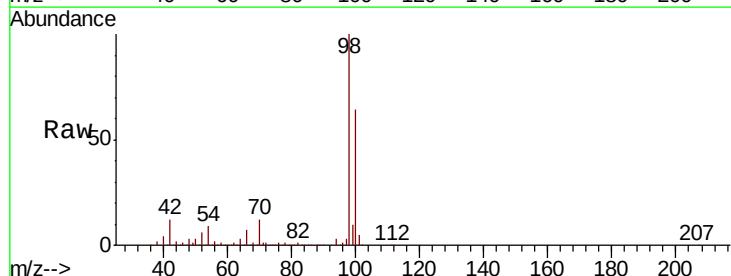


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

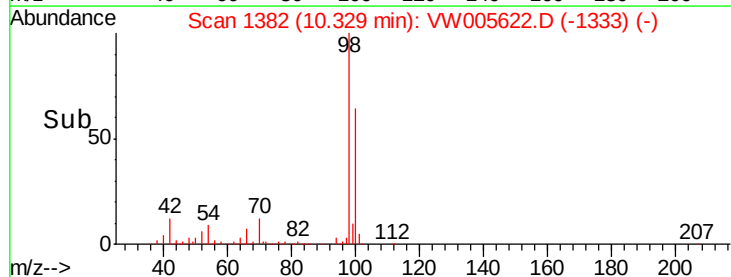
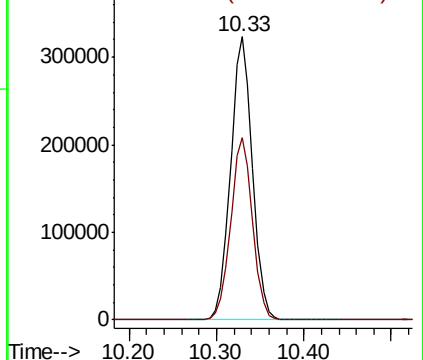


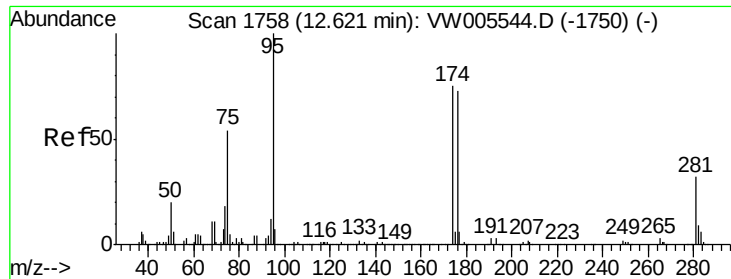
#50
Toluene-d8
Concen: 49.953 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Tgt Ion:	98	Resp:	558725
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4



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

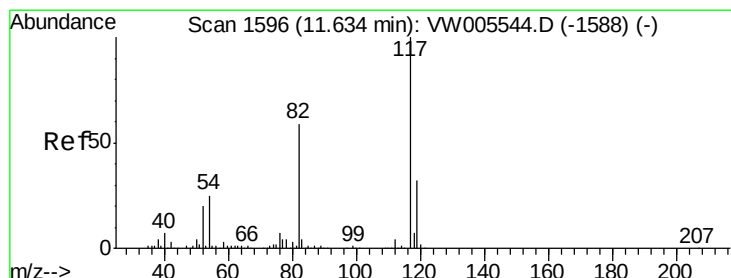
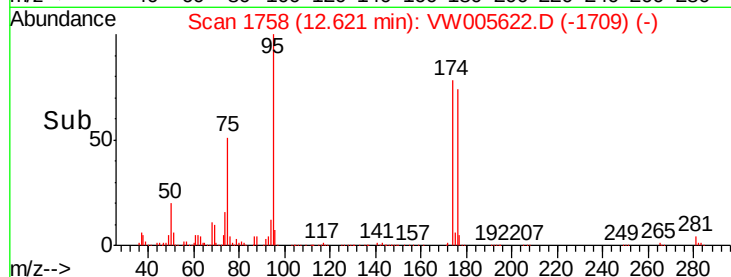
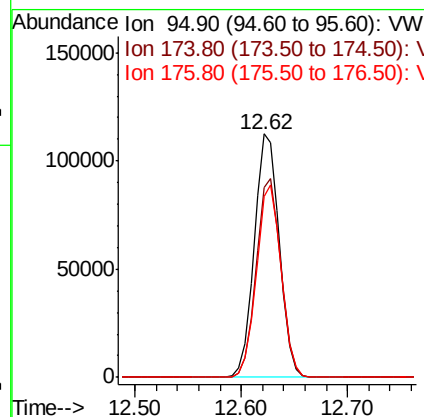
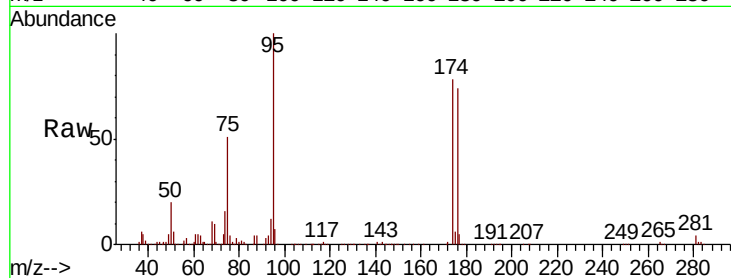




#62
4-Bromofluorobenzene
Concen: 44.708 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

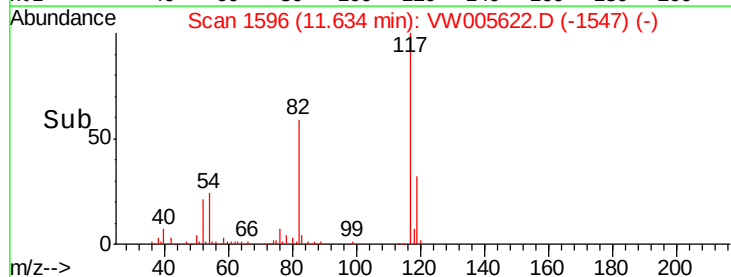
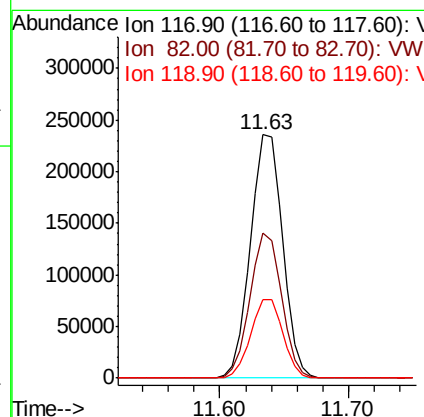
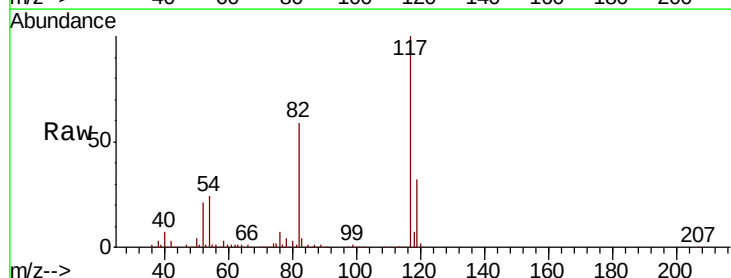
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I3

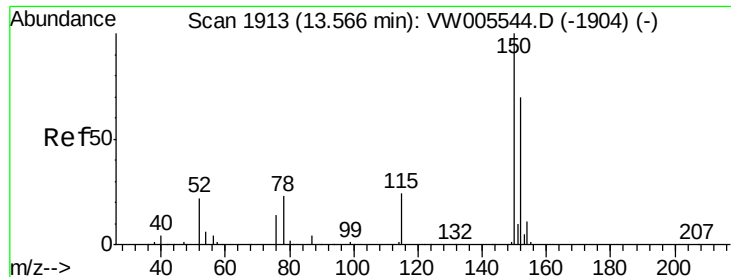
Tgt Ion: 95 Resp: 185032
Ion Ratio Lower Upper
95 100
174 80.9 0.0 163.8
176 78.0 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005622.D
Acq: 25 Sep 2018 20:02

Tgt Ion: 117 Resp: 406218
Ion Ratio Lower Upper
117 100
82 59.5 46.9 70.3
119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005622.D

Acq: 25 Sep 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-I3

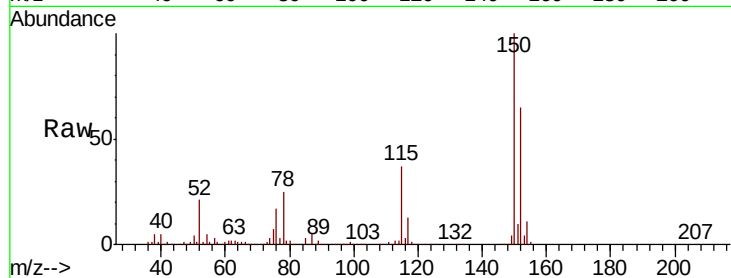
Tgt Ion:152 Resp: 183995

Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

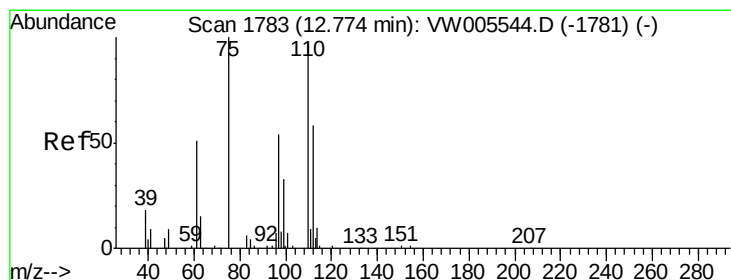
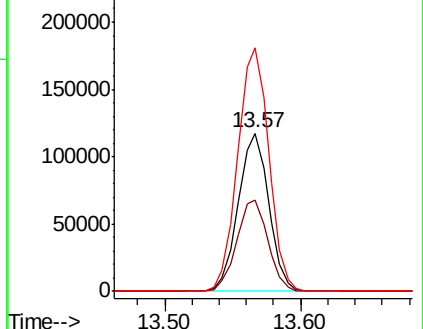
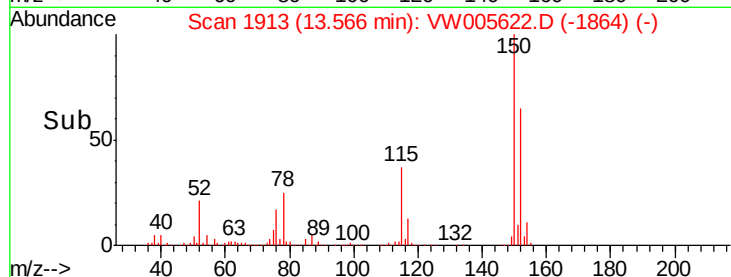
150 157.0 0.0 348.6



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: 60.304 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005622.D

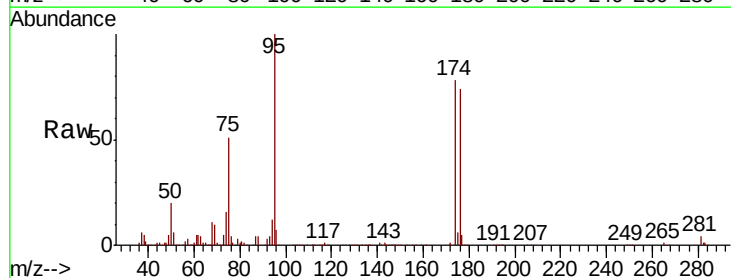
Acq: 25 Sep 2018 20:02

Tgt Ion: 75 Resp: 94582

Ion Ratio Lower Upper

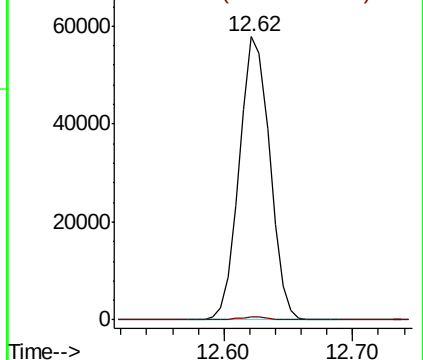
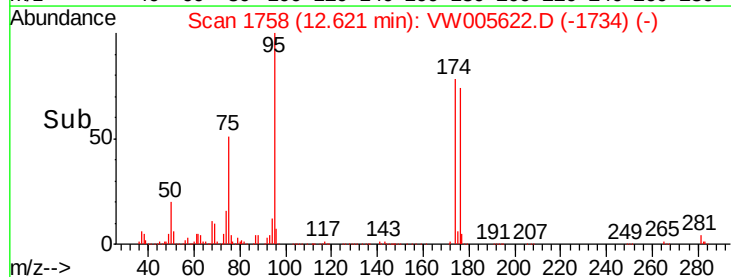
75 100

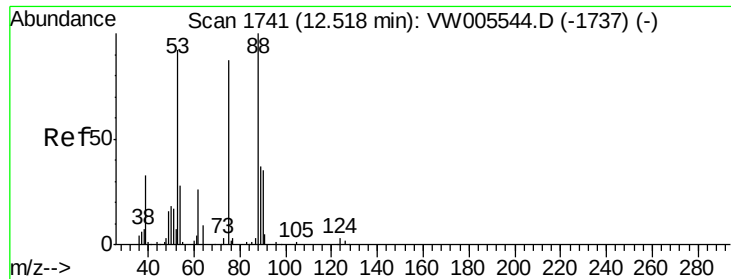
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 135.822 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005622.D

Acq: 25 Sep 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-I3

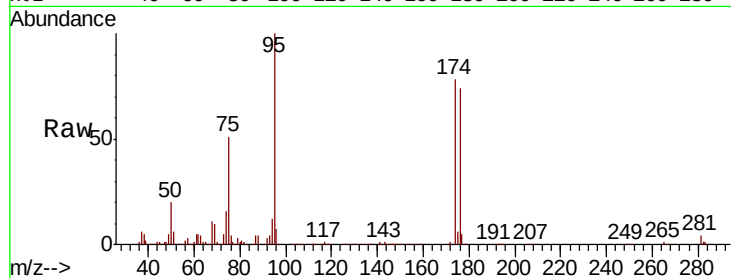
Tgt Ion: 75 Resp: 94582

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.1 37.3 55.9#



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

