

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005620.D
 Acq On : 25 Sep 2018 19:10
 Operator : VA/AP
 Sample : J5066-10
 Misc : 5.42G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I4

Quant Time: Sep 26 04:16:16 2018
 Quant Method : Z:\VOASRV\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	296058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	495588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	219280	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	184628	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
35) Dibromofluoromethane	7.89	113	152308	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	10.33	98	595941	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.62	95	216824	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

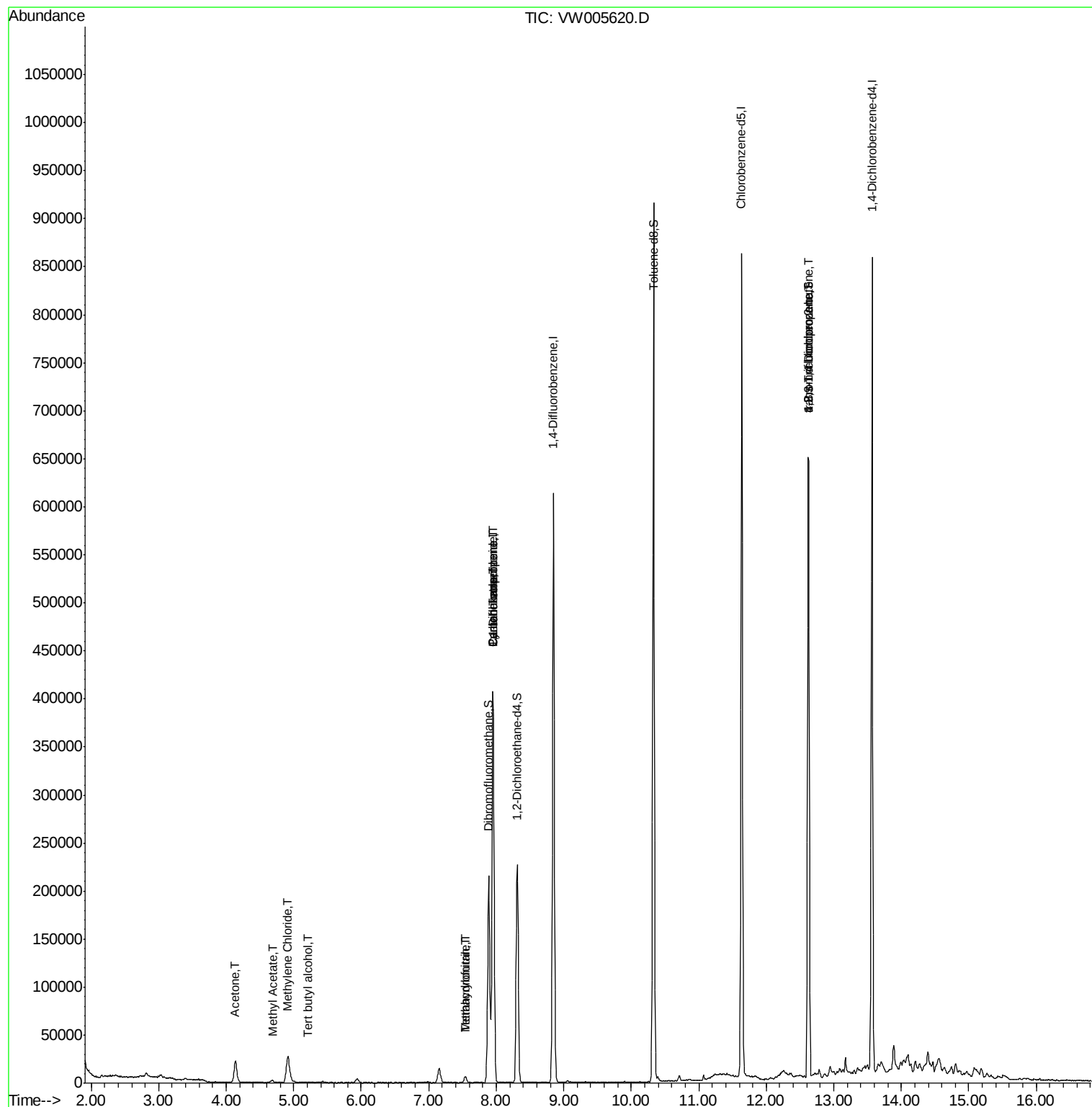
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	41	Below Cal	#	41
11) Tert butyl alcohol	5.21	59	1056	3.526	ug/l #	91
13) Acrolein	3.65	56	24	Below Cal	#	1
16) Acetone	4.14	43	42893	71.490	ug/l	100
18) Methyl Acetate	4.68	43	4398	2.661	ug/l	94
20) Methylene Chloride	4.91	84	22748	3.824	ug/l	97
29) Tetrahydrofuran	7.54	42	4850	9.165	ug/l	98
31) Cyclohexane	7.95	56	6445	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23225	4.655	ug/l #	51
38) Carbon Tetrachloride	7.96	117	29237	5.469	ug/l #	16
41) Methacrylonitrile	7.54	41	3359	2.812	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	113027	60.468	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113027	136.191	ug/l #	7

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

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QLast Update : Fri Sep 21 09:05:42 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: VW005620.D

Acq: 25 Sep 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

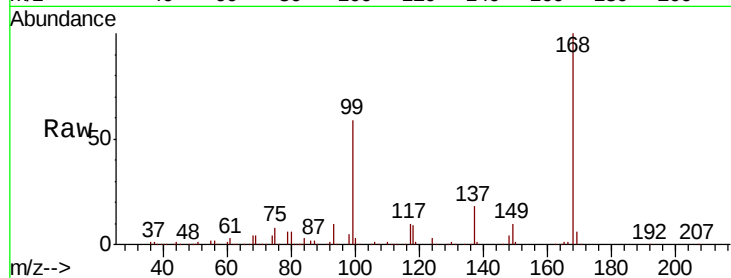
EP1-Q1-I4

Tgt Ion:168 Resp: 296058

Ion Ratio Lower Upper

168 100

99 59.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

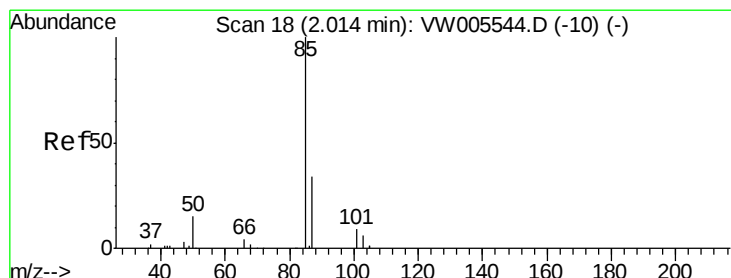
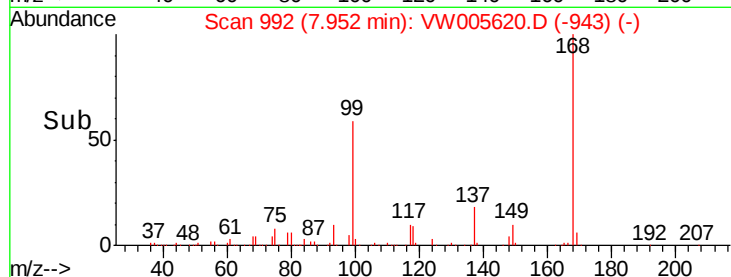
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW005620.D

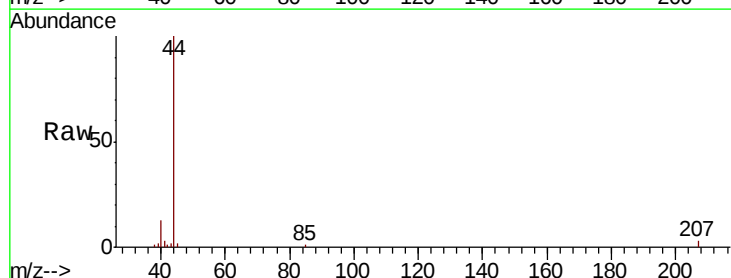
Acq: 25 Sep 2018 19:10

Tgt Ion: 85 Resp: 41

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

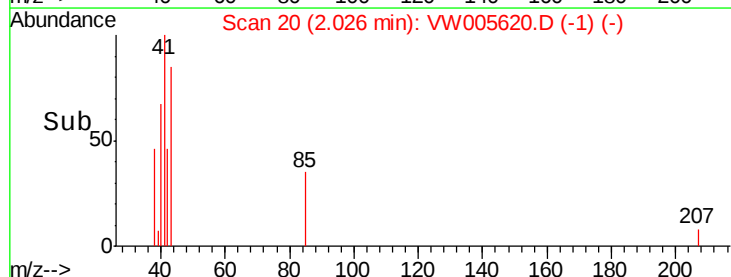
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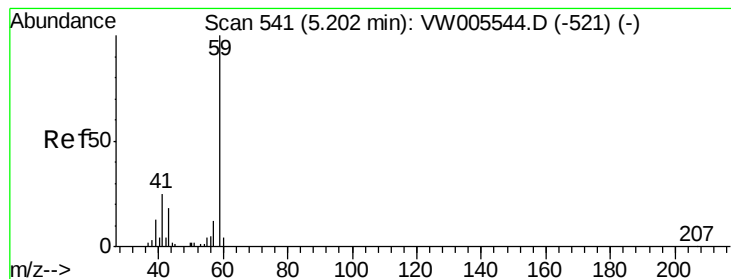
40

20

0

Time-->





#11

Tert butyl alcohol

Concen: 3.526 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.01 min

Lab File: VW005620.D

Acq: 25 Sep 2018 19:10

Instrument :

MSVOA_W

ClientSampled :

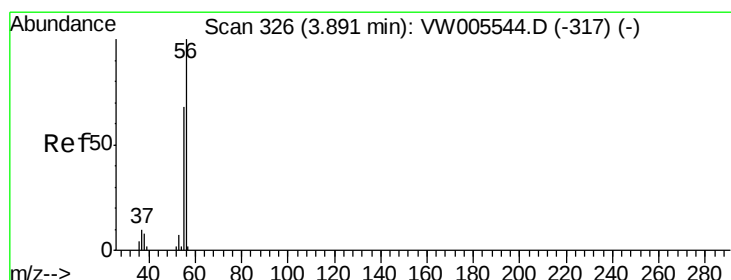
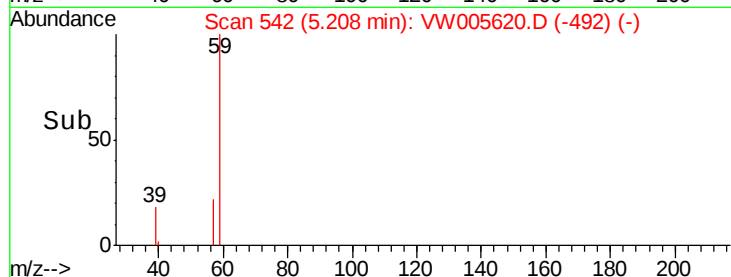
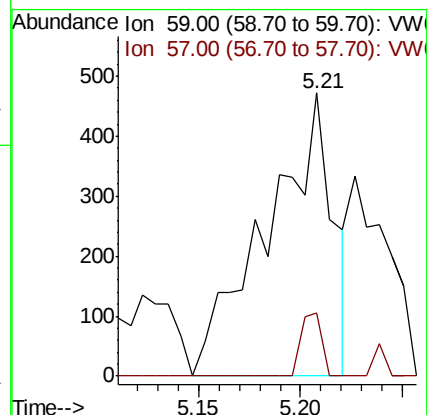
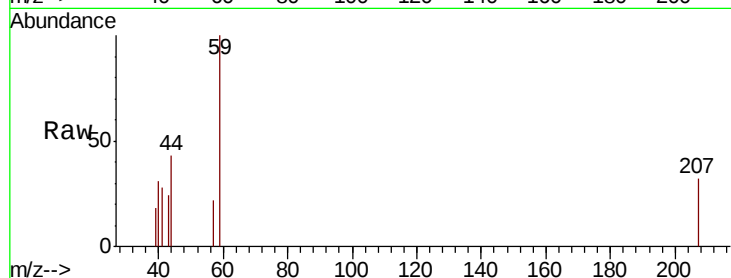
EP1-Q1-I4

Tgt Ion: 59 Resp: 1056

Ion Ratio Lower Upper

59 100

57 7.1 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 3.65 min Scan# 287

Delta R.T. -0.24 min

Lab File: VW005620.D

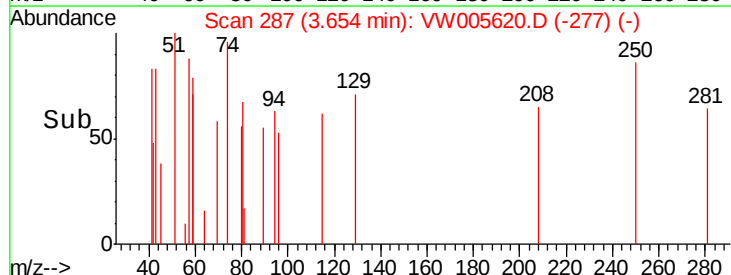
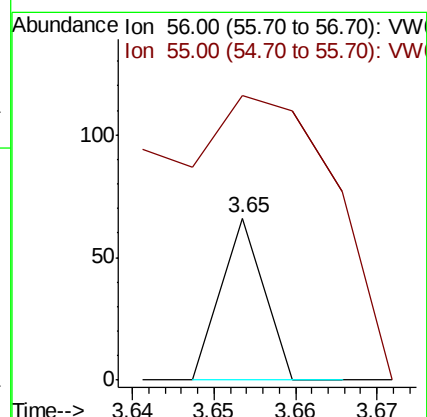
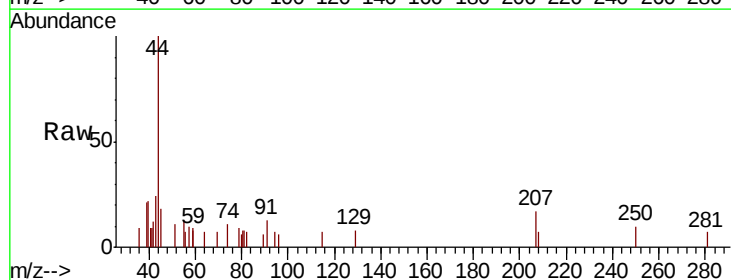
Acq: 25 Sep 2018 19:10

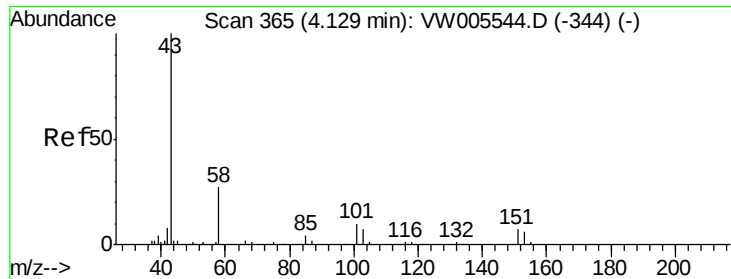
Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 737.5 57.8 86.8#

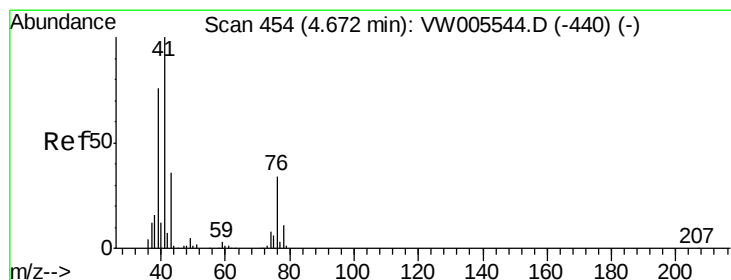
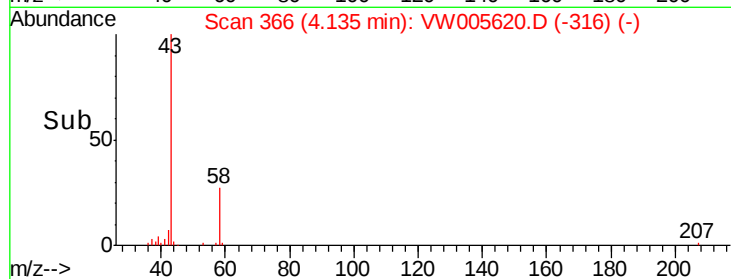
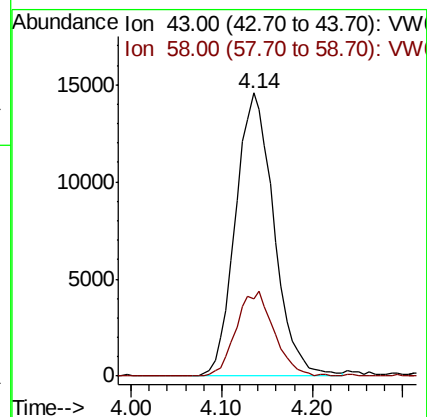
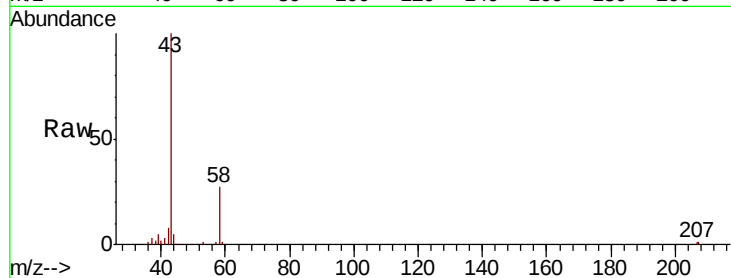




#16
Acetone
Concen: 71.490 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005620.D
Acq: 25 Sep 2018 19:10

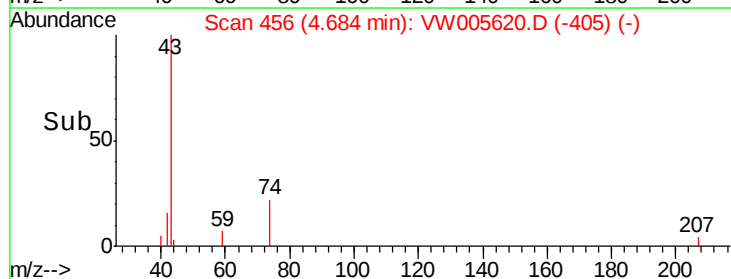
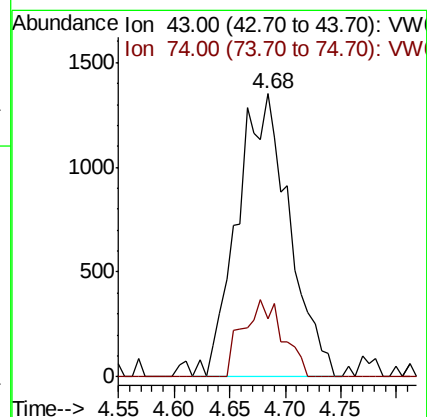
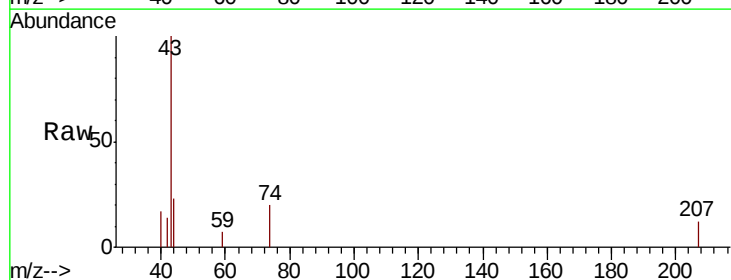
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I4

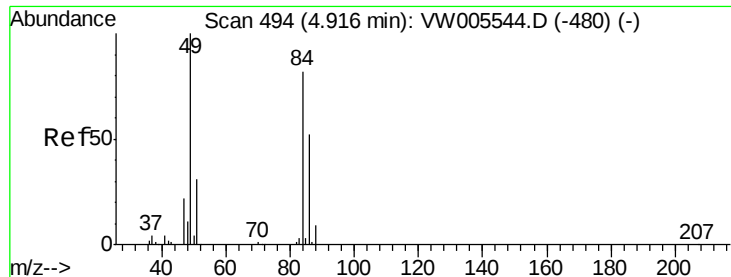
Tgt Ion: 43 Resp: 42893
Ion Ratio Lower Upper
43 100
58 27.2 21.8 32.8



#18
Methyl Acetate
Concen: 2.661 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005620.D
Acq: 25 Sep 2018 19:10

Tgt Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
74 21.0 19.2 28.8





#20

Methylene Chloride

Concen: 3.824 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005620.D

Acq: 25 Sep 2018 19:10

Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-I4

Tgt Ion: 84 Resp: 22748

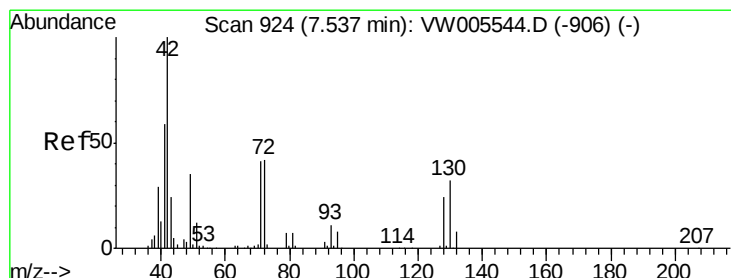
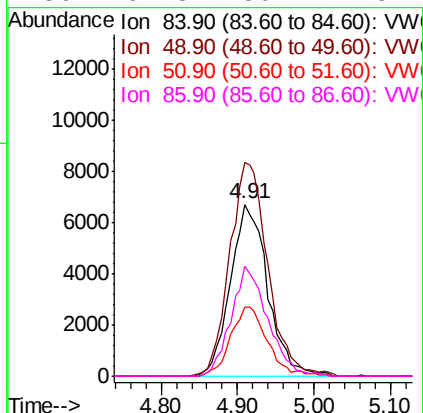
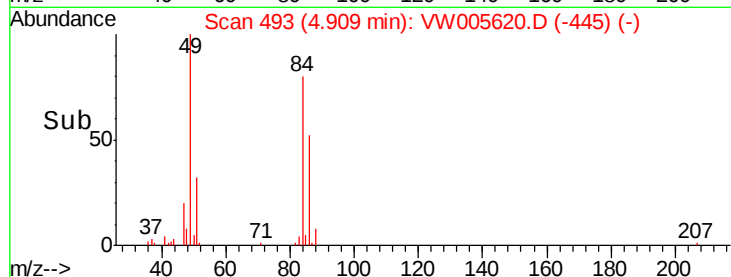
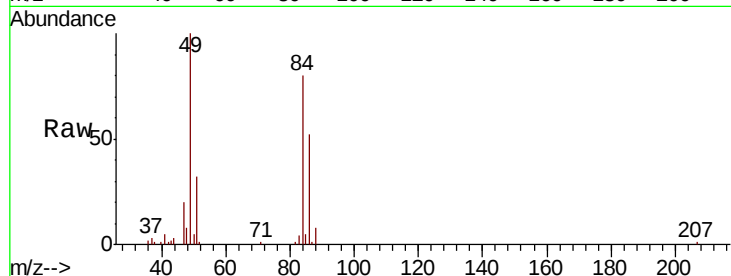
Ion Ratio Lower Upper

84 100

49 124.4 97.0 145.6

51 40.0 30.2 45.2

86 64.3 50.2 75.4



#29

Tetrahydrofuran

Concen: 9.165 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005620.D

Acq: 25 Sep 2018 19:10

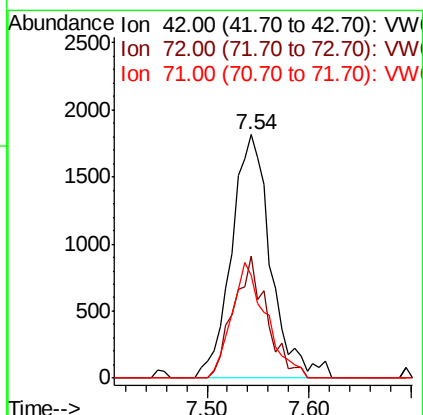
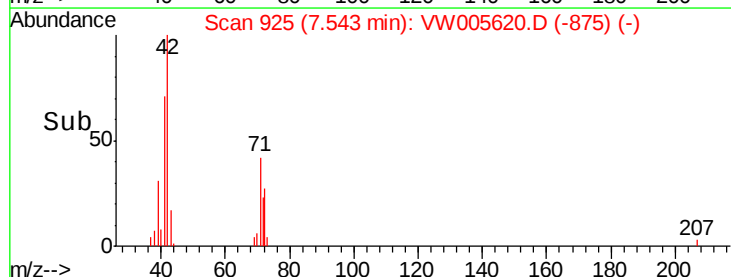
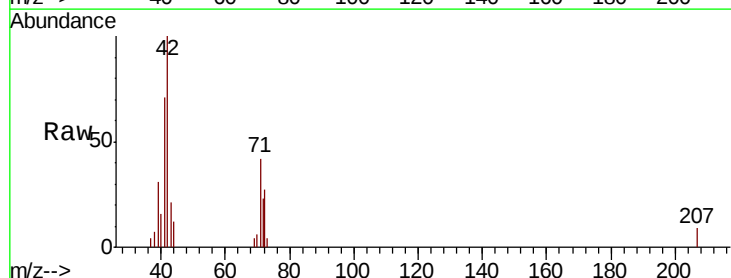
Tgt Ion: 42 Resp: 4850

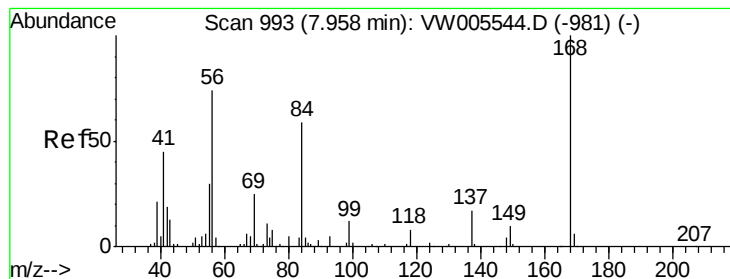
Ion Ratio Lower Upper

42 100

72 42.5 33.6 50.4

71 41.8 31.8 47.6





#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005620.D

Acq: 25 Sep 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I4

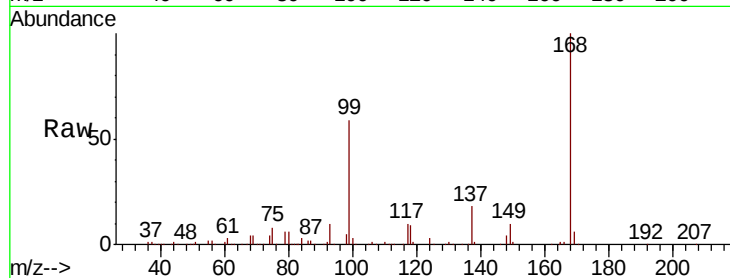
Tgt Ion: 56 Resp: 6445

Ion Ratio Lower Upper

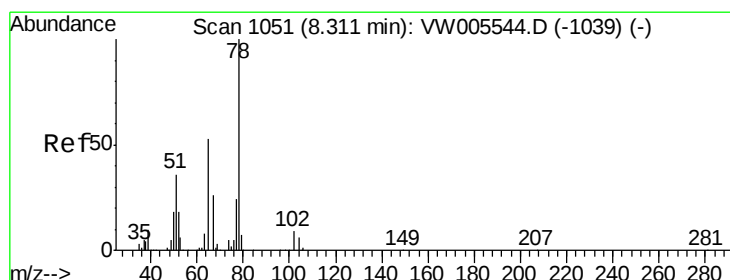
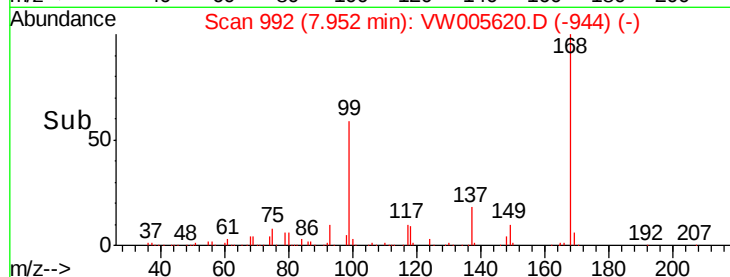
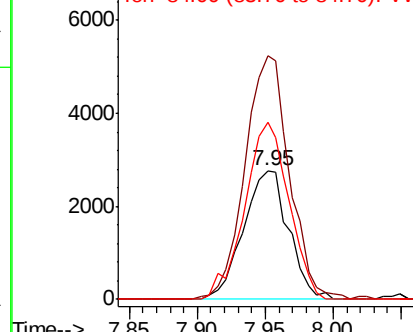
56 100

69 188.9 27.0 40.4#

84 137.1 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: 52.936 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005620.D

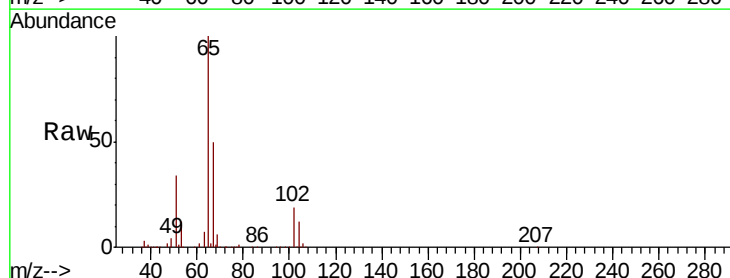
Acq: 25 Sep 2018 19:10

Tgt Ion: 65 Resp: 184628

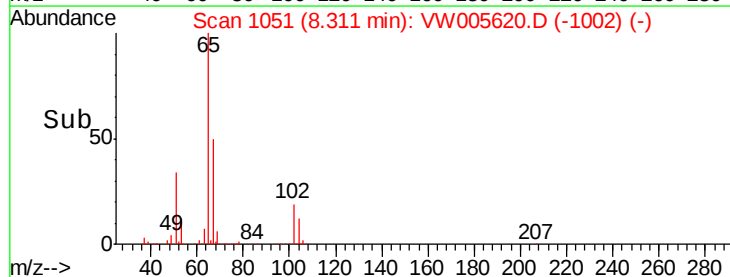
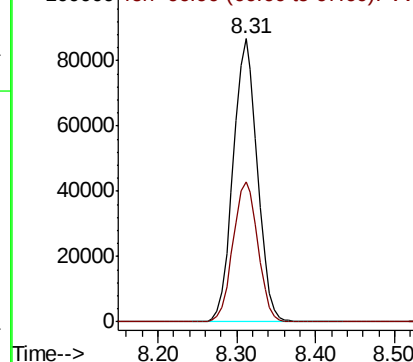
Ion Ratio Lower Upper

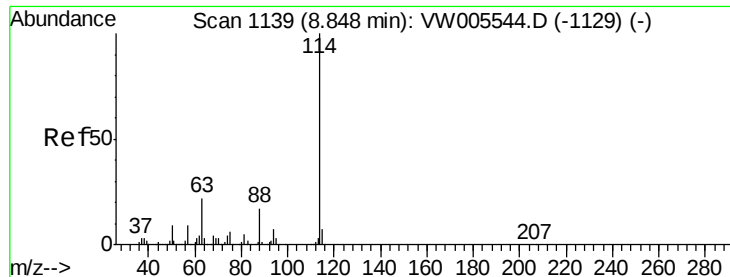
65 100

67 51.1 0.0 100.6



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

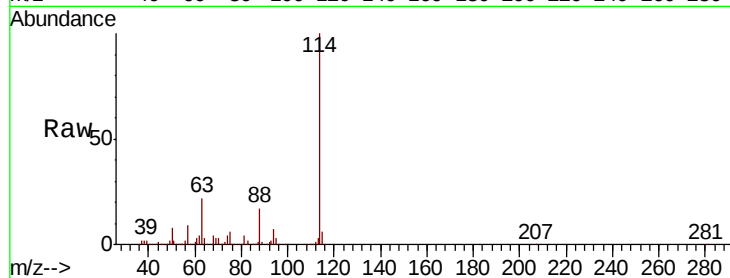




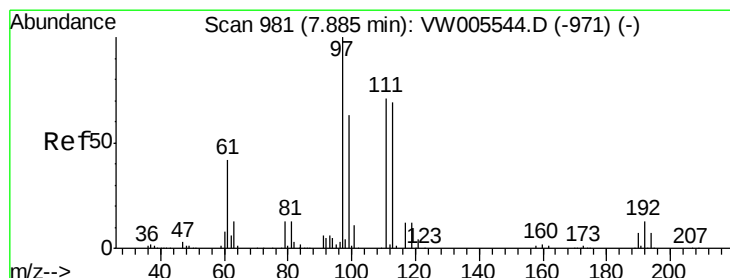
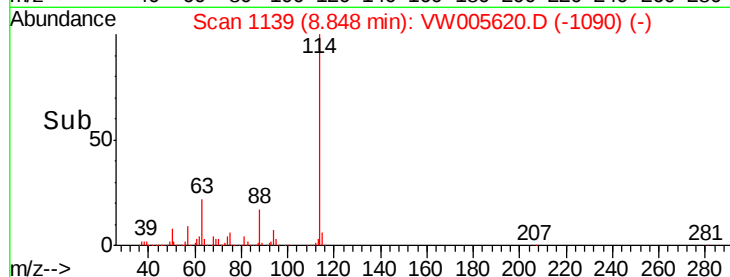
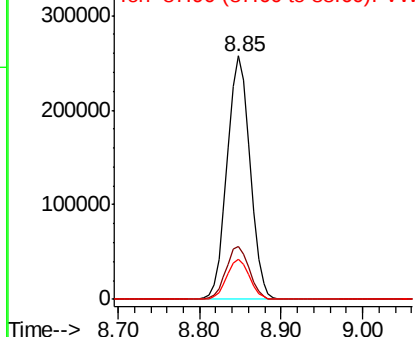
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005620.D
 Acq: 25 Sep 2018 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I4

Tgt Ion:114 Resp: 495588
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 16.7 0.0 33.0

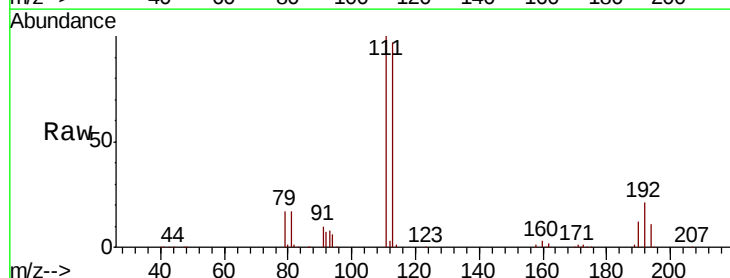


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

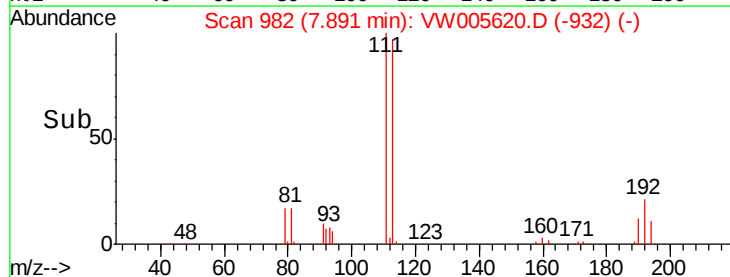
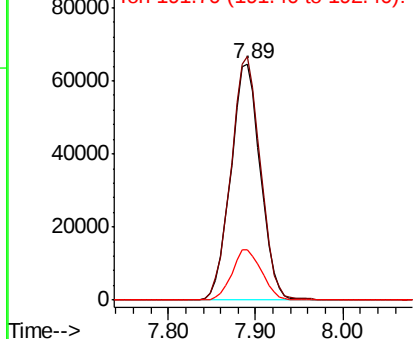


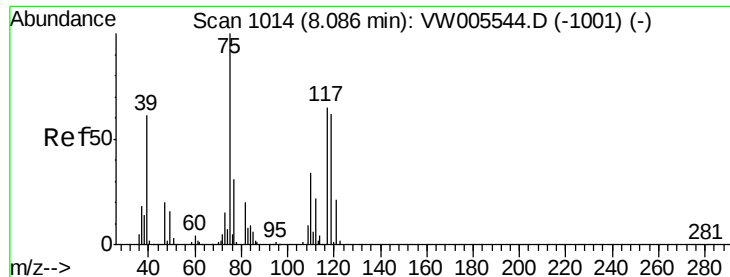
#35
 Dibromofluoromethane
 Concen: 48.871 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005620.D
 Acq: 25 Sep 2018 19:10

Tgt Ion:113 Resp: 152308
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 21.4 17.0 25.4



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

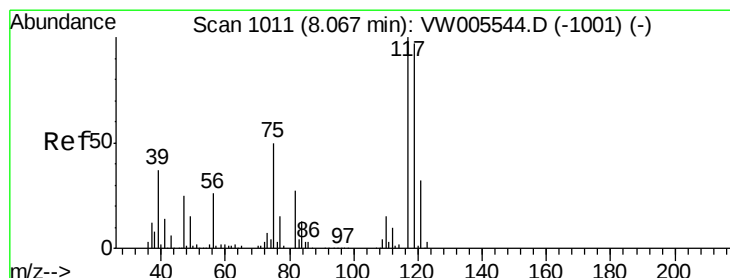
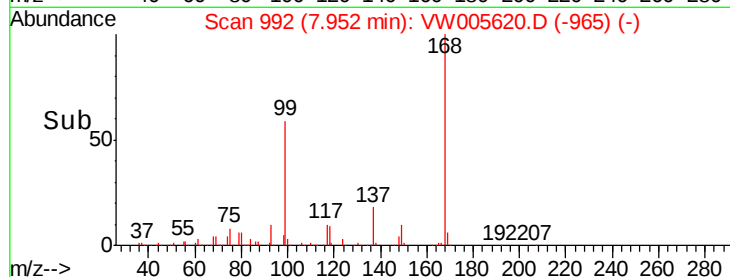
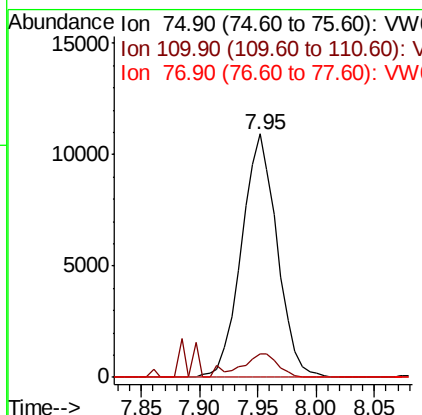
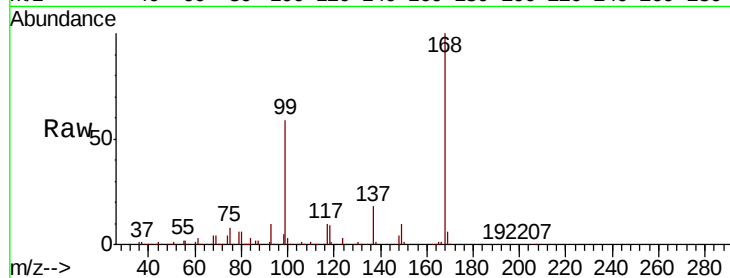




#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005620.D
 Acq: 25 Sep 2018 19:10

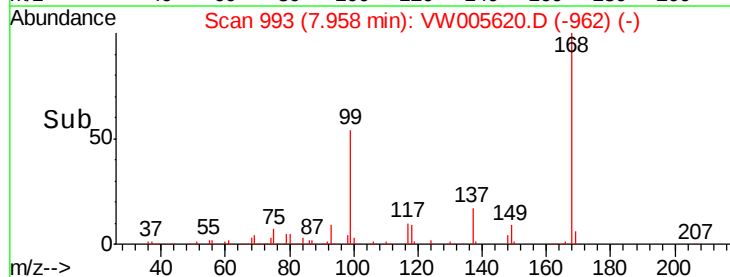
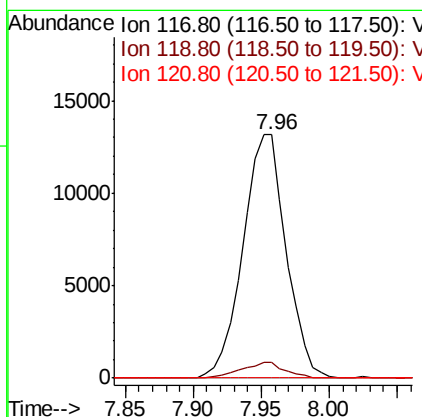
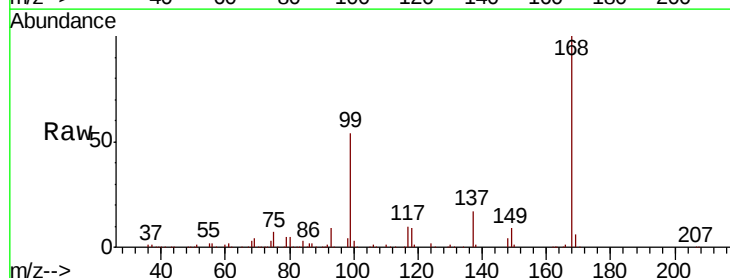
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I4

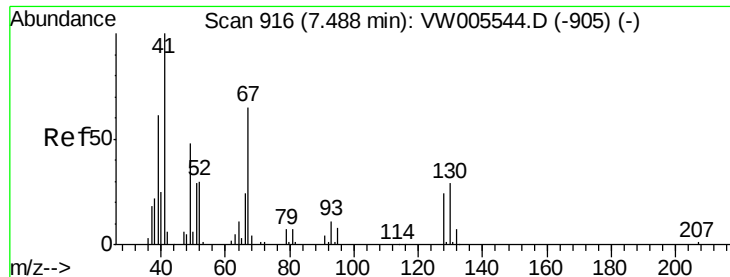
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.469 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.11 min
 Lab File: VW005620.D
 Acq: 25 Sep 2018 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.6	116.4#
121	0.0	25.7	38.5#

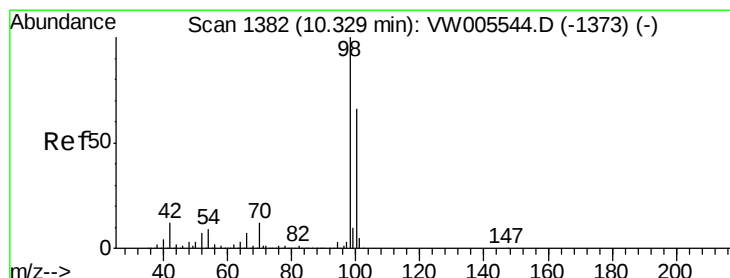
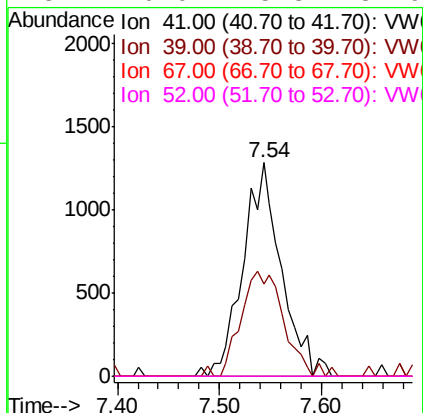
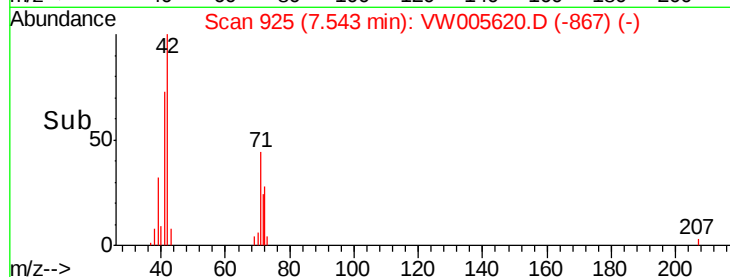
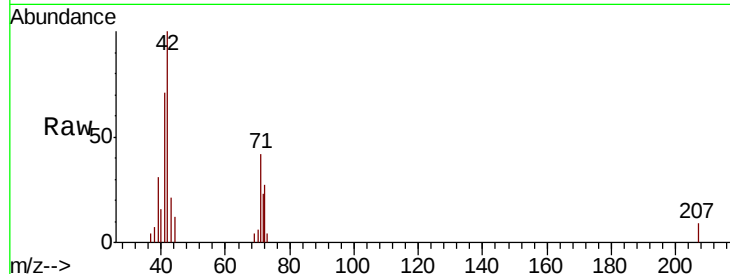




#41
Methacrylonitrile
Concen: 2.812 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.05 min
Lab File: VW005620.D
Acq: 25 Sep 2018 19:10

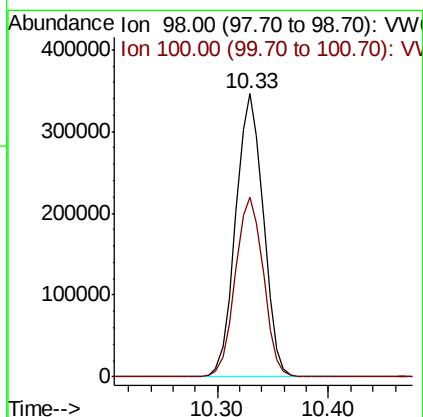
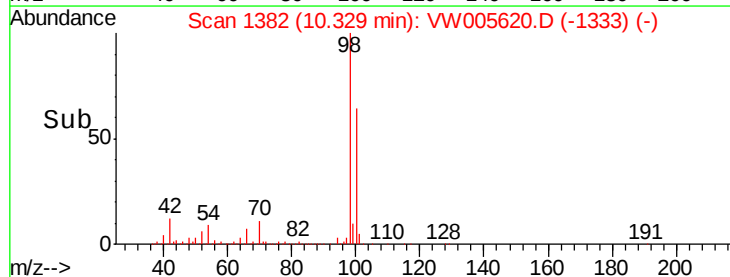
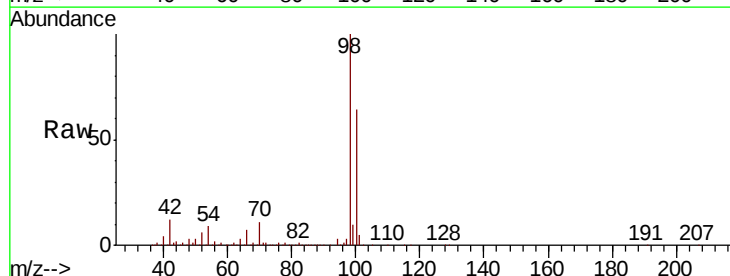
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I4

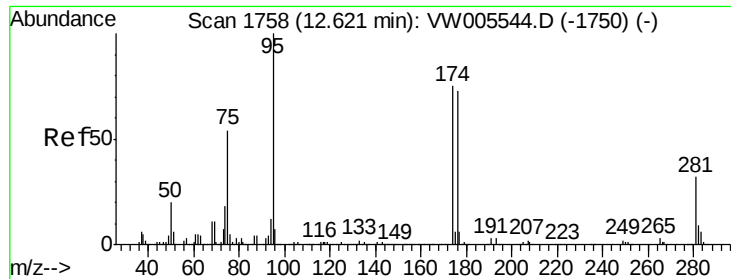
Tgt Ion: 41 Resp: 3359
Ion Ratio Lower Upper
41 100
39 53.0 45.4 68.2
67 0.0 55.2 82.8#
52 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 46.962 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005620.D
Acq: 25 Sep 2018 19:10

Tgt Ion: 98 Resp: 595941
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

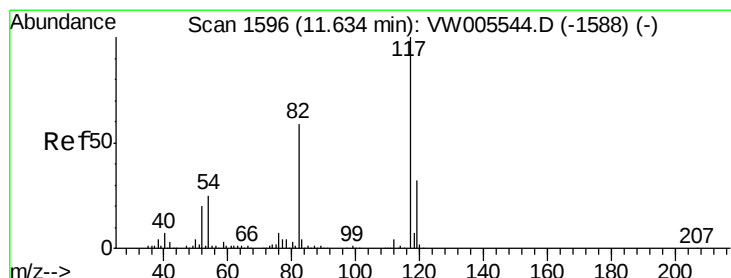
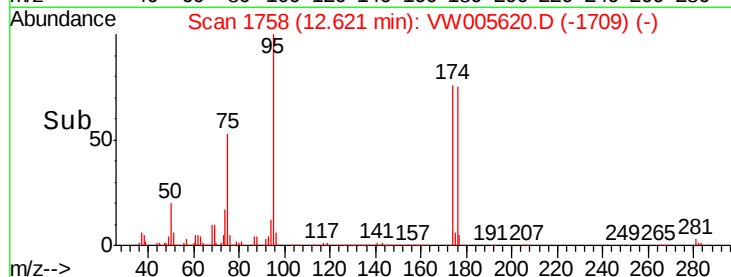
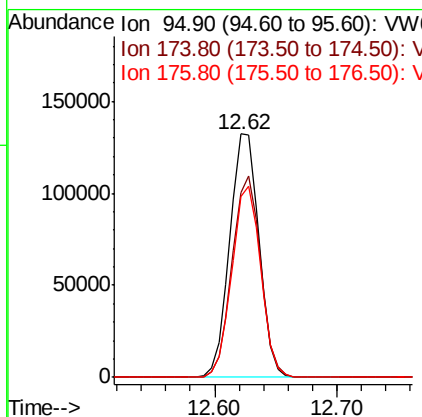
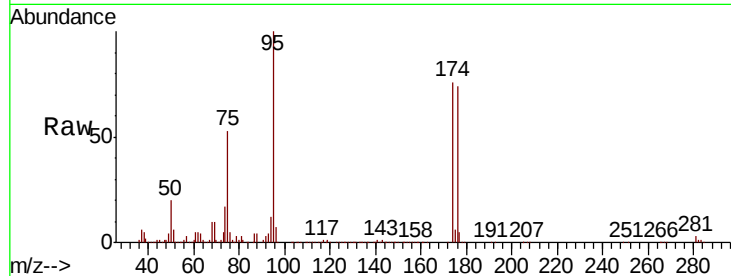




#62
4-Bromofluorobenzene
Concen: 46.176 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005620.D
Acq: 25 Sep 2018 19:10

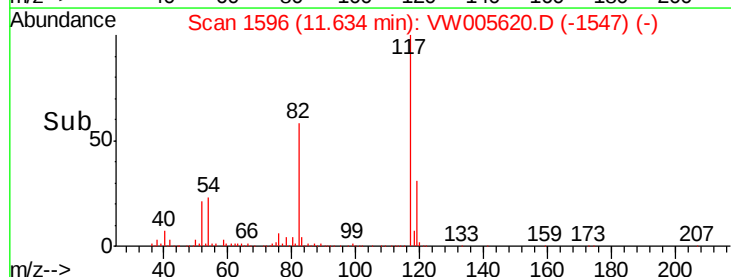
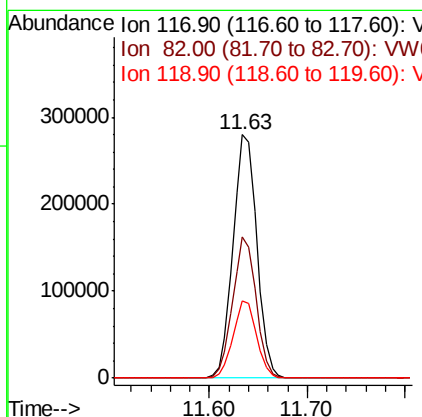
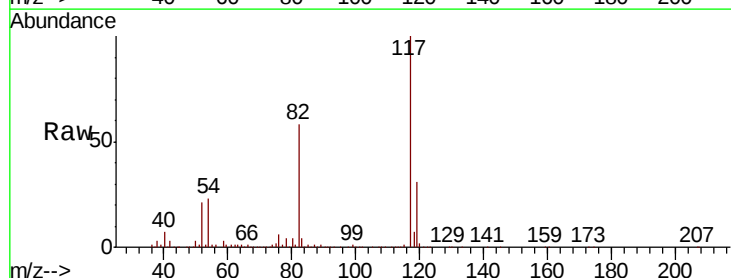
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-I4

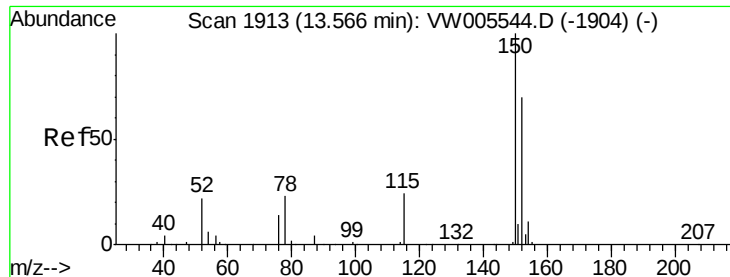
Tgt Ion: 95 Resp: 216824
Ion Ratio Lower Upper
95 100
174 81.1 0.0 163.8
176 77.8 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005620.D
Acq: 25 Sep 2018 19:10

Tgt Ion: 117 Resp: 473160
Ion Ratio Lower Upper
117 100
82 58.0 46.9 70.3
119 31.5 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: VW005620.D

Acq: 25 Sep 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-I4

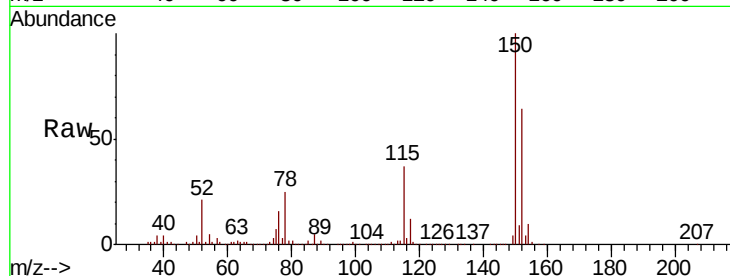
Tgt Ion:152 Resp: 219280

Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

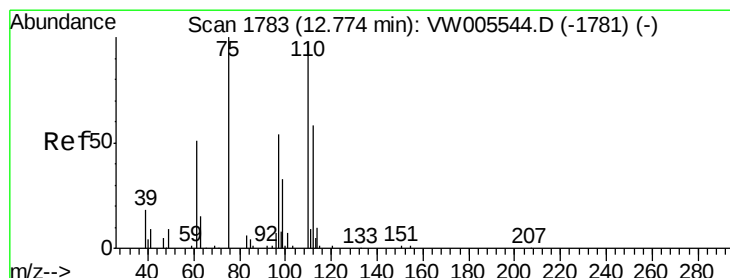
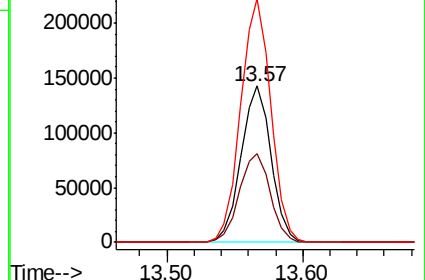
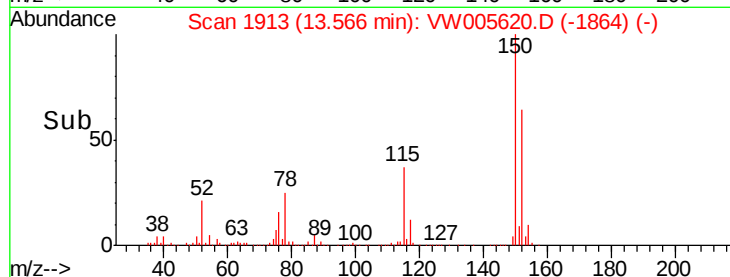
150 157.1 0.0 348.6



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: 60.468 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005620.D

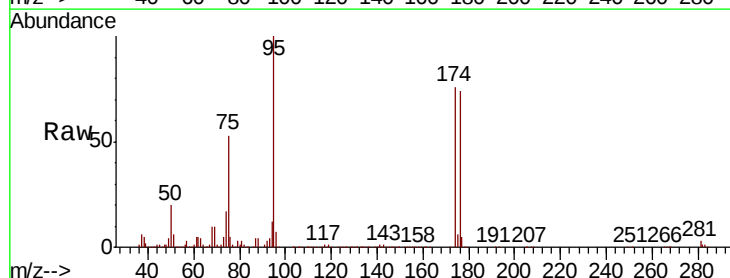
Acq: 25 Sep 2018 19:10

Tgt Ion: 75 Resp: 113027

Ion Ratio Lower Upper

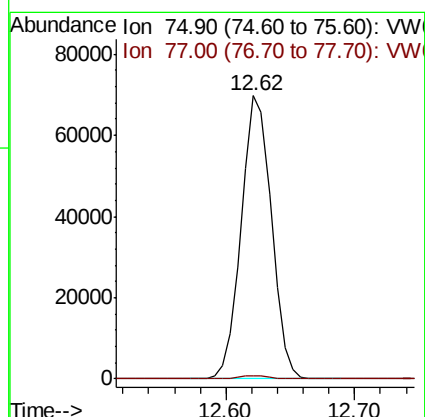
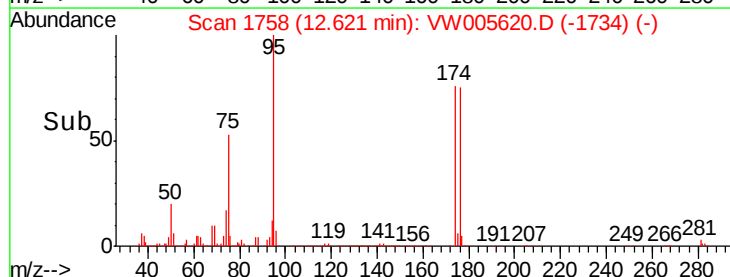
75 100

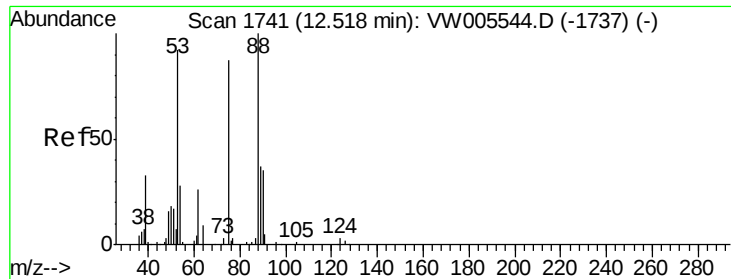
77 1.2 0.0 0.0#



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: 136.191 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005620.D

Acq: 25 Sep 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-I4

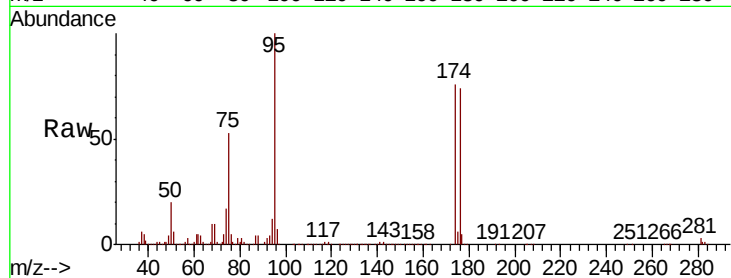
Tgt Ion: 75 Resp: 113027

Ion Ratio Lower Upper

75 100

53 0.2 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

