

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005443.D
 Acq On : 17 Sep 2018 19:17
 Operator : SY/AP
 Sample : J4960-01
 Misc : 5.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S1

Quant Time: Sep 18 01:04:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	218068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	336941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	265279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	80116	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	97733	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	
35) Dibromofluoromethane	7.89	113	75420	39.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.84%	
50) Toluene-d8	10.33	98	304837	35.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.46%	
62) 4-Bromofluorobenzene	12.62	95	80223	25.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.58%	

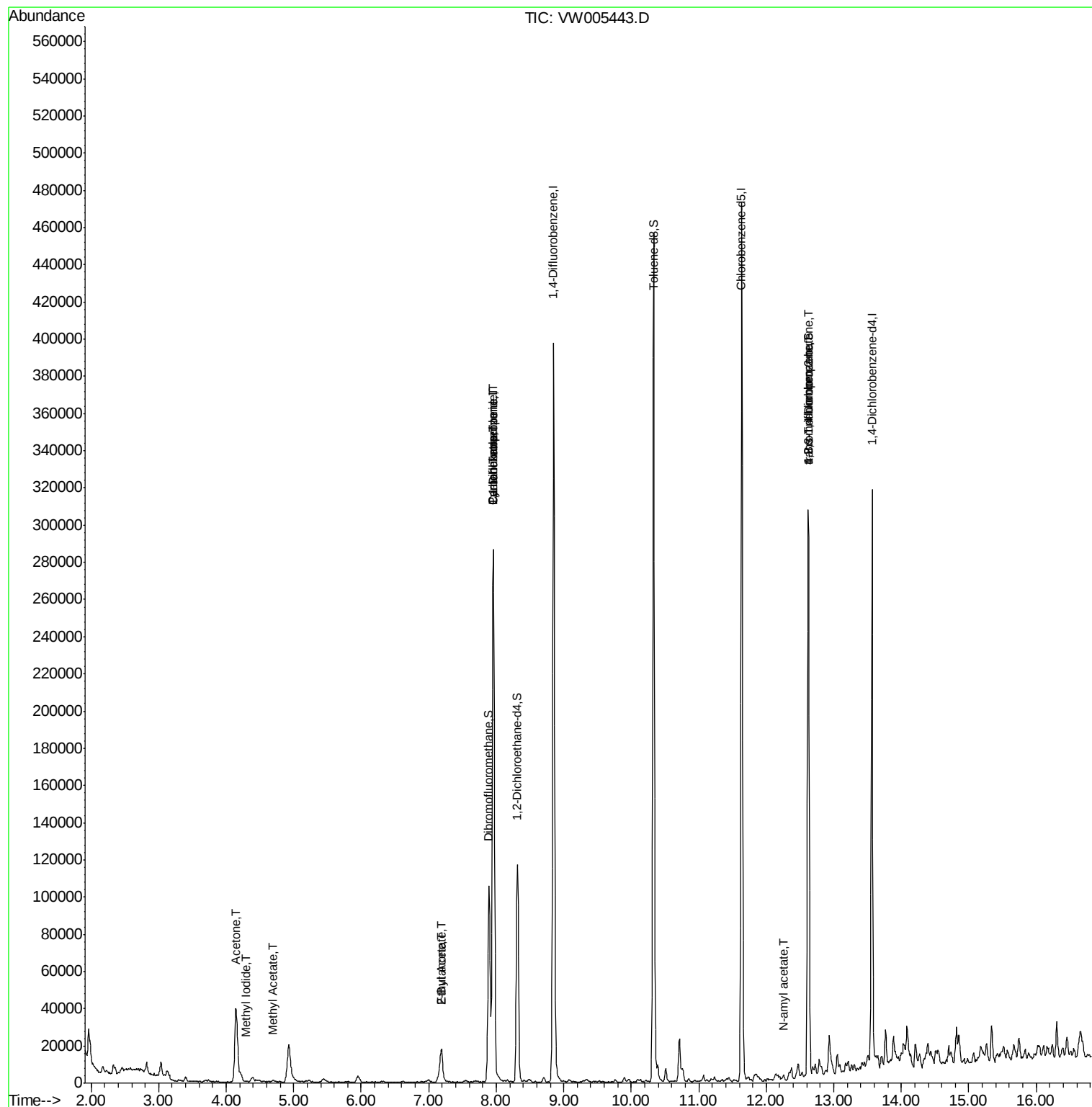
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	70	Below Cal	#	42
5) Bromomethane	2.79	94	301	Below Cal	#	58
10) Methyl Iodide	4.29	142	87	4.085	ug/l #	38
11) Tert butyl alcohol	5.21	59	1175	Below Cal	#	84
16) Acetone	4.15	43	77989	238.781	ug/l	100
18) Methyl Acetate	4.70	43	2092	1.923	ug/l #	54
25) 2-Butanone	7.19	43	29670	54.490	ug/l	93
31) Cyclohexane	7.96	56	5195	1.438	ug/l #	4
36) 1,1-Dichloropropene	7.96	75	17051	5.347	ug/l #	51
37) Ethyl Acetate	7.19	43	29670	22.880	ug/l #	68
38) Carbon Tetrachloride	7.96	117	20908	6.292	ug/l #	17
74) N-amyl acetate	12.25	43	1403	1.185	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	42218	64.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	42218	166.201	ug/l #	8

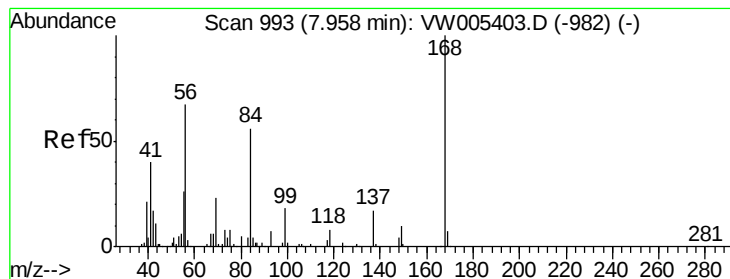
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
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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: VW005443.D

Acq: 17 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampled :

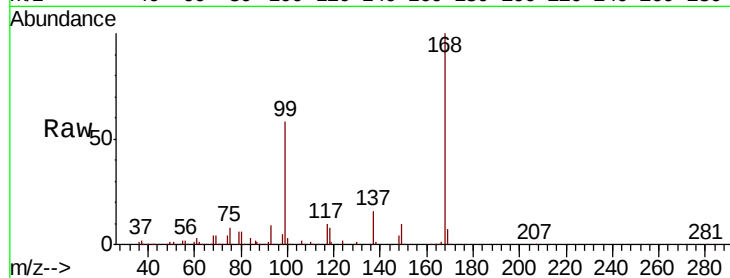
S1

Tgt Ion:168 Resp: 218068

Ion Ratio Lower Upper

168 100

99 58.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

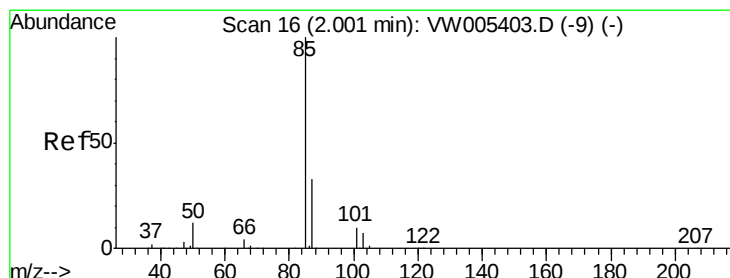
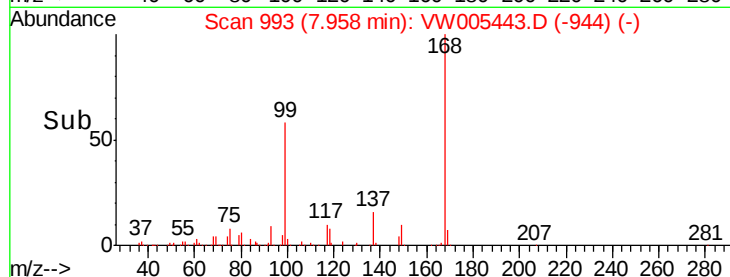
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005443.D

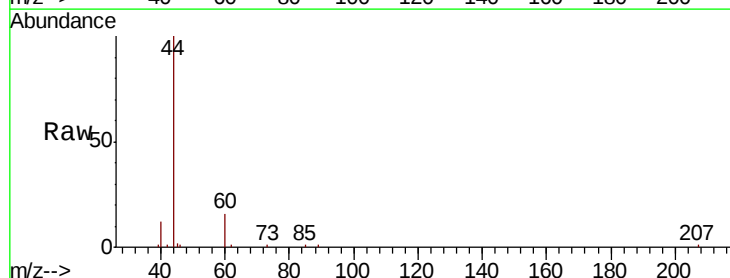
Acq: 17 Sep 2018 19:17

Tgt Ion: 85 Resp: 70

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

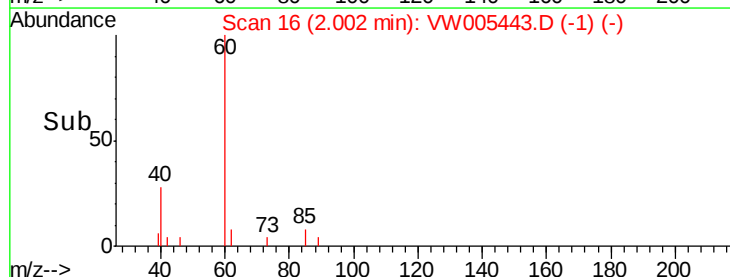
2.00

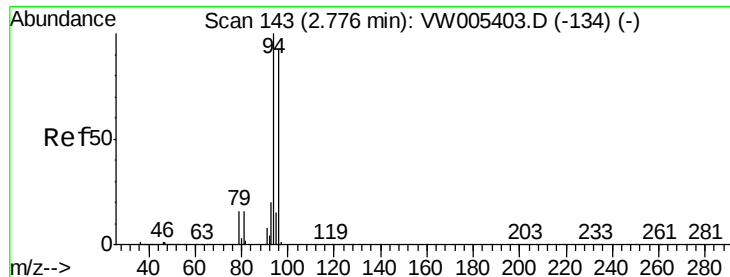
100

50

0

Time--> 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005443.D

Acq: 17 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampled :

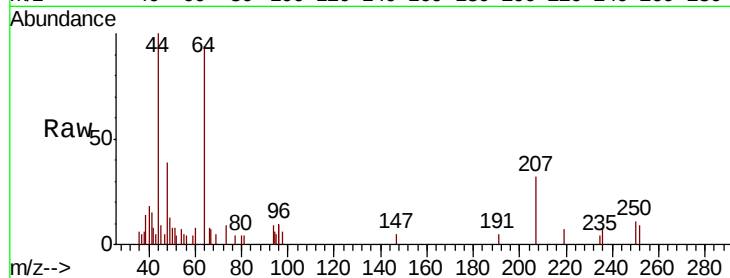
S1

Tgt Ion: 94 Resp: 301

Ion Ratio Lower Upper

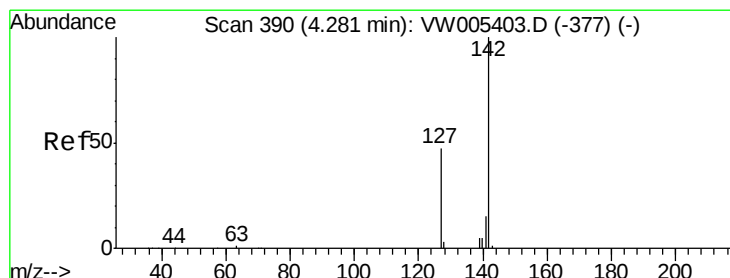
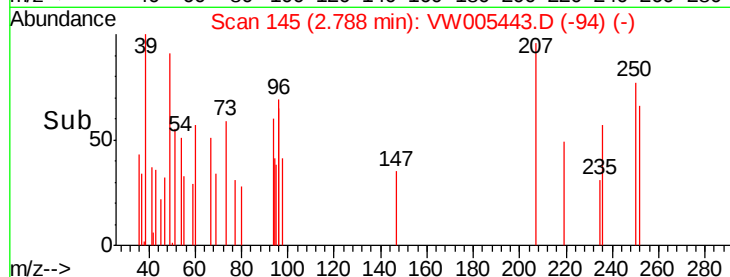
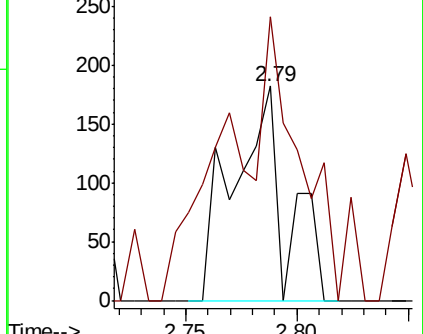
94 100

96 132.4 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#10

Methyl Iodide

Concen: 4.085 ug/l

RT: 4.29 min Scan# 392

Delta R.T. 0.01 min

Lab File: VW005443.D

Acq: 17 Sep 2018 19:17

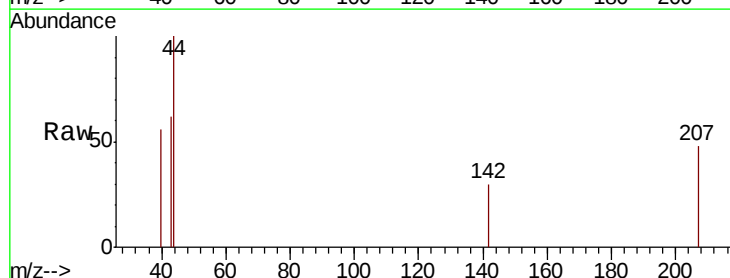
Tgt Ion: 142 Resp: 87

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

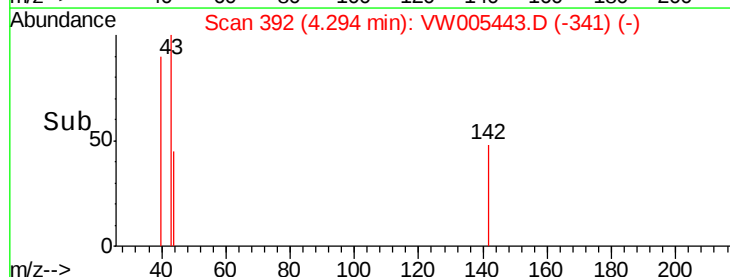
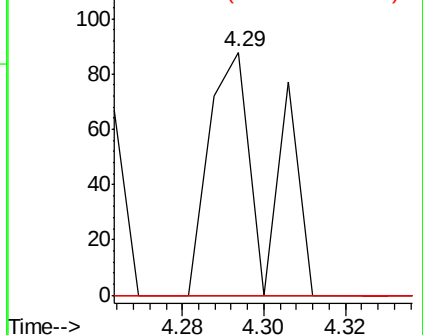
141 0.0 12.4 18.6#

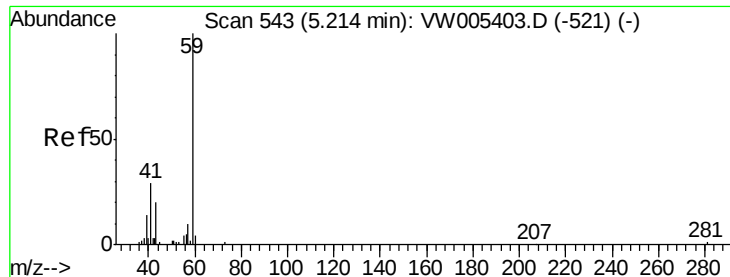


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

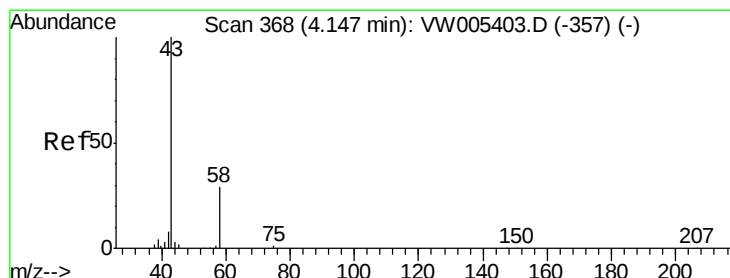
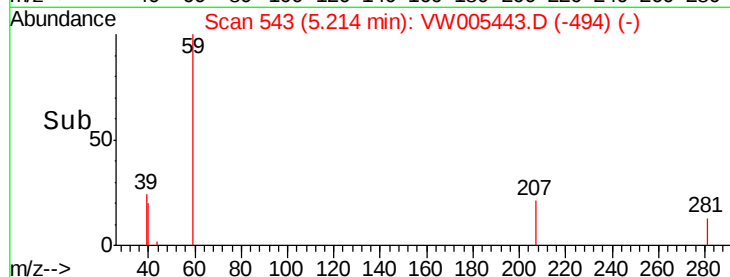
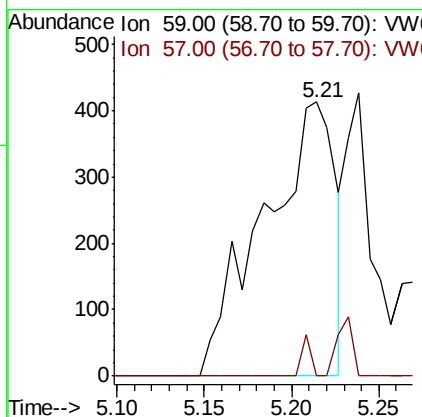
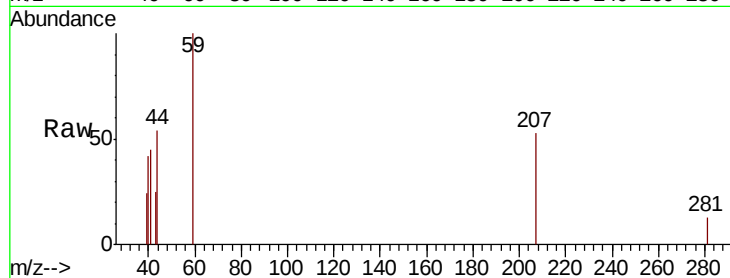




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 543
Delta R.T. 0.00 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

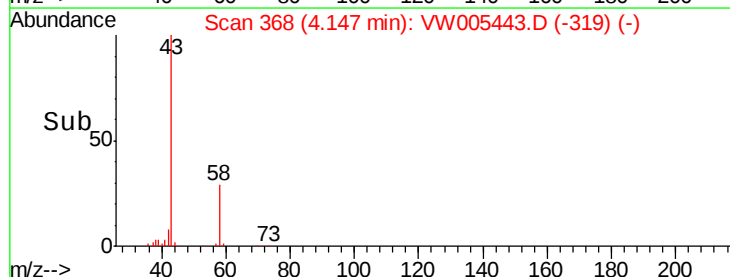
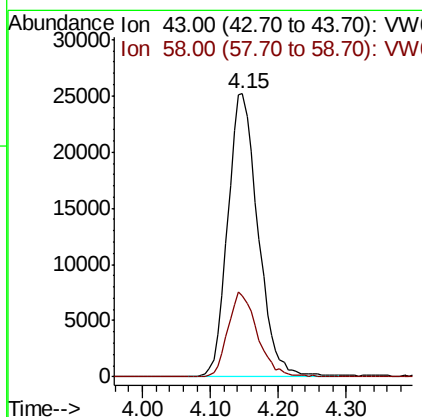
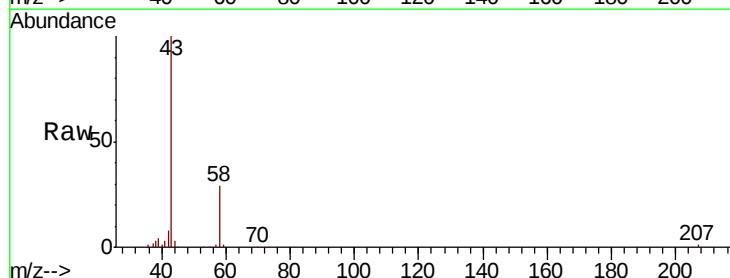
Instrument :
MSVOA_W
ClientSampleId :
S1

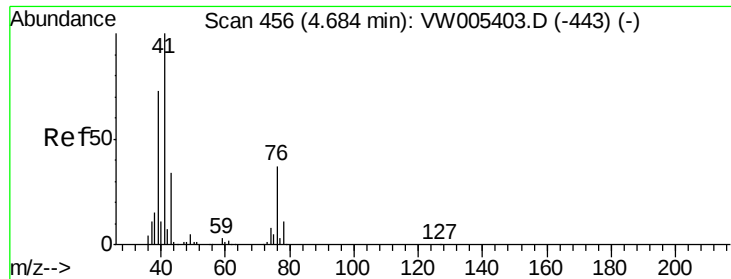
Tgt Ion: 59 Resp: 1175
Ion Ratio Lower Upper
59 100
57 4.8 8.6 13.0#



#16
Acetone
Concen: 238.781 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.00 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

Tgt Ion: 43 Resp: 77989
Ion Ratio Lower Upper
43 100
58 28.6 22.8 34.2

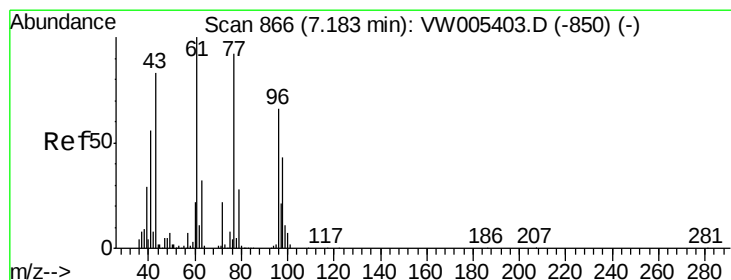
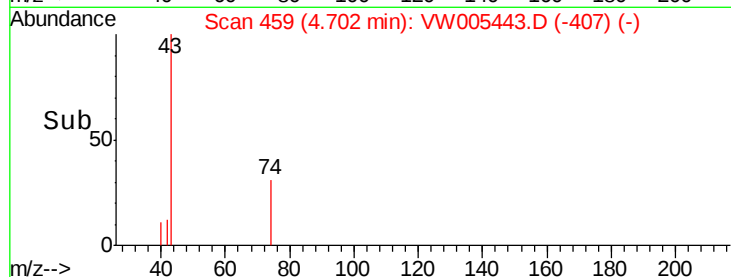
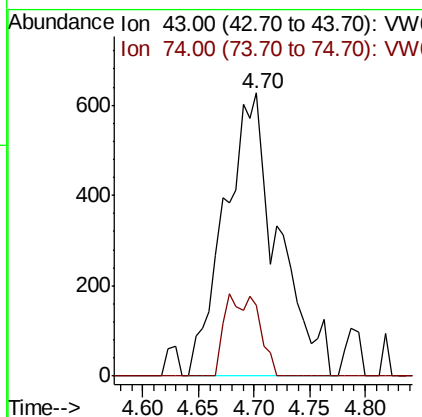
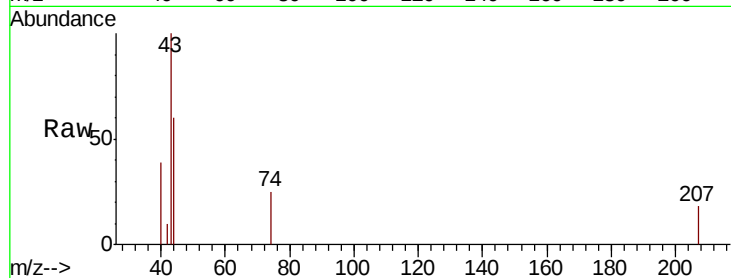




#18
Methyl Acetate
Concen: 1.923 ug/l
RT: 4.70 min Scan# 459
Delta R.T. 0.02 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

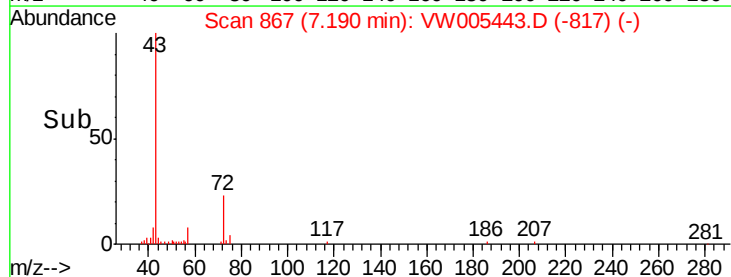
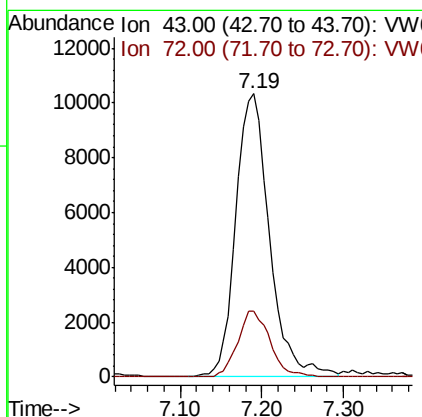
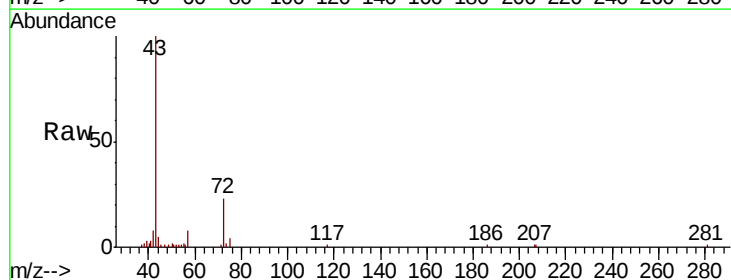
Instrument :
MSVOA_W
ClientSampleId :
S1

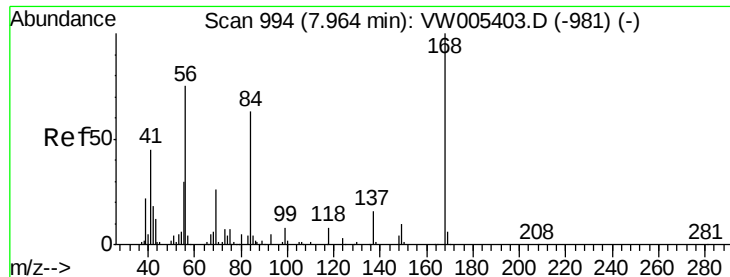
Tgt Ion: 43 Resp: 2092
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#25
2-Butanone
Concen: 54.490 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

Tgt Ion: 43 Resp: 29670
Ion Ratio Lower Upper
43 100
72 23.0 21.1 31.7

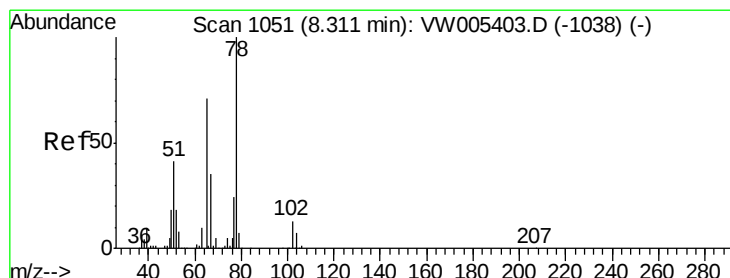
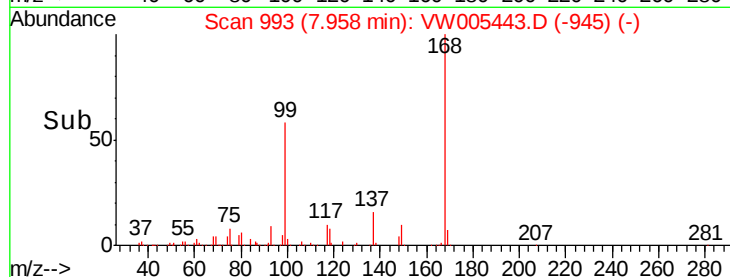
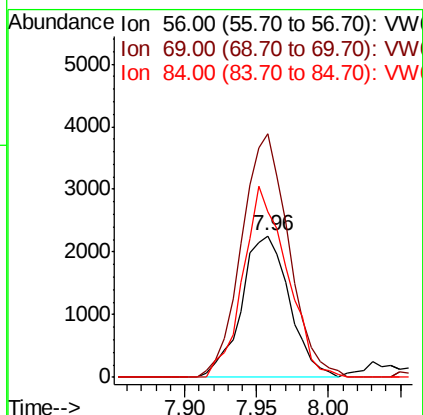
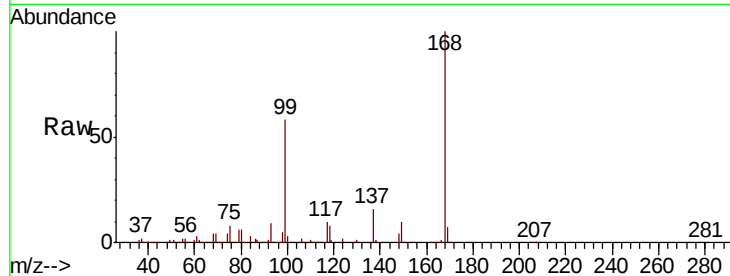




#31
Cyclohexane
Concen: 1.438 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

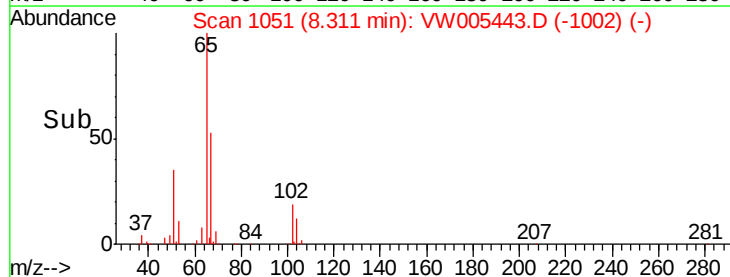
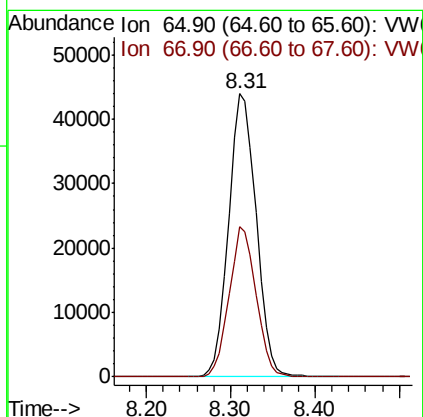
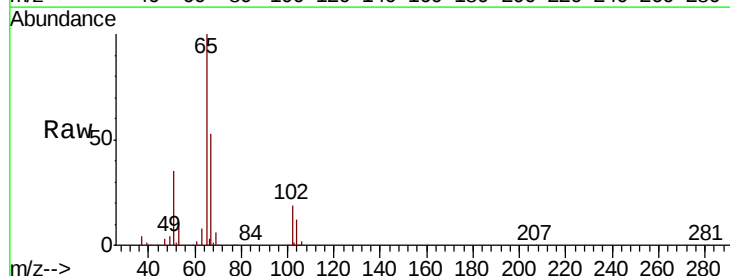
Instrument :
MSVOA_W
ClientSampled :
S1

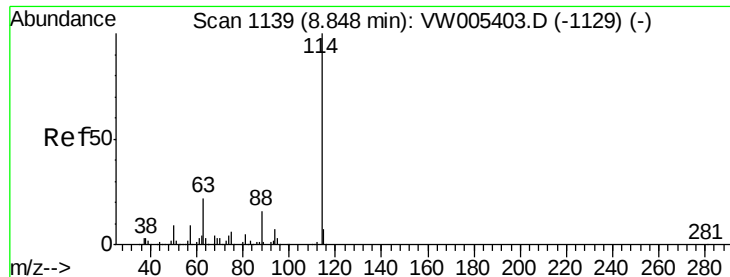
Tgt Ion: 56 Resp: 5195
Ion Ratio Lower Upper
56 100
69 172.0 27.2 40.8#
84 116.8 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 43.177 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

Tgt Ion: 65 Resp: 97733
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.6

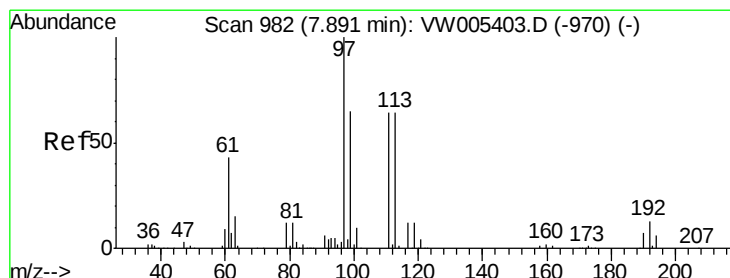
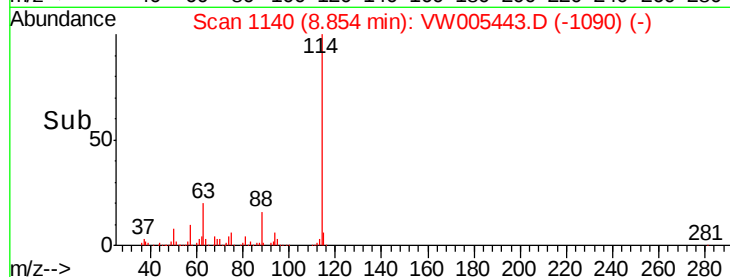
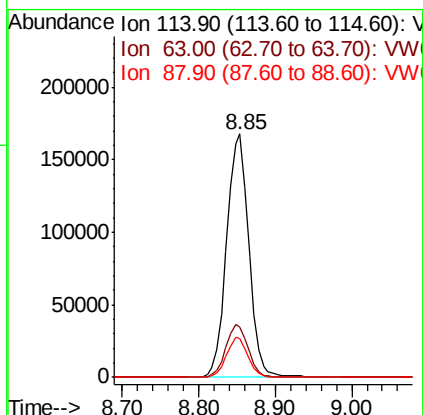
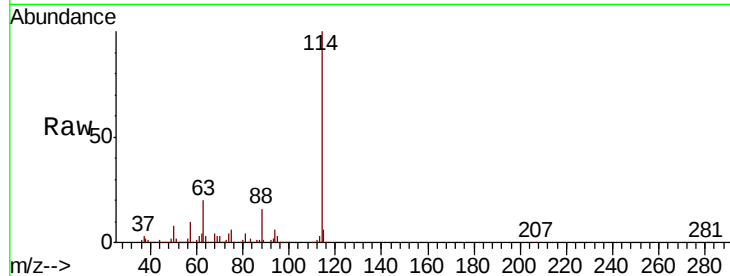




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005443.D
 Acq: 17 Sep 2018 19:17

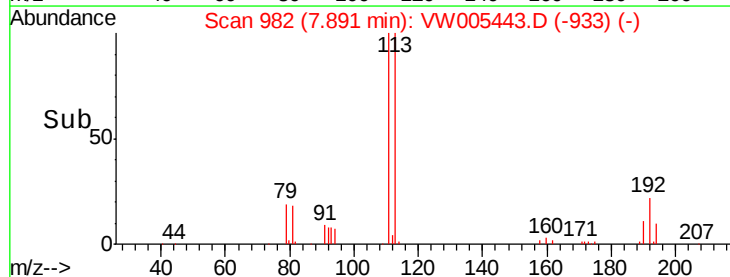
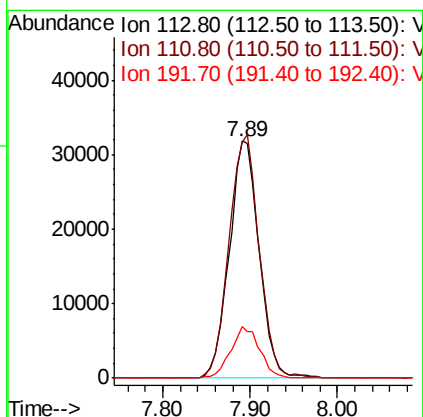
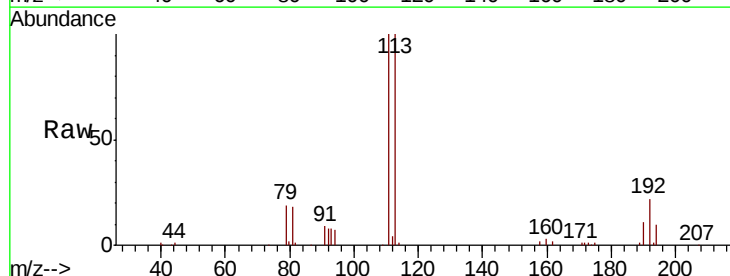
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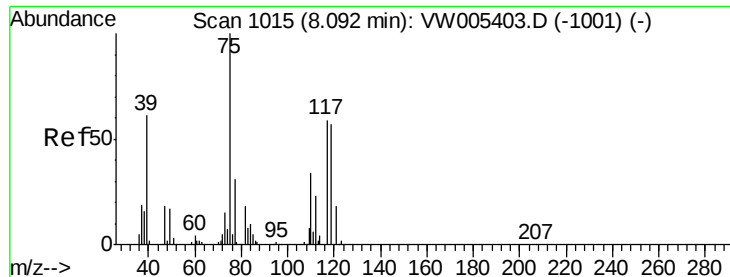
Tgt Ion:114 Resp: 336941
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.4
 88 15.8 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 39.922 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005443.D
 Acq: 17 Sep 2018 19:17

Tgt Ion:113 Resp: 75420
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.3 123.5
 192 21.0 16.5 24.7





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005443.D

Acq: 17 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampleId :

S1

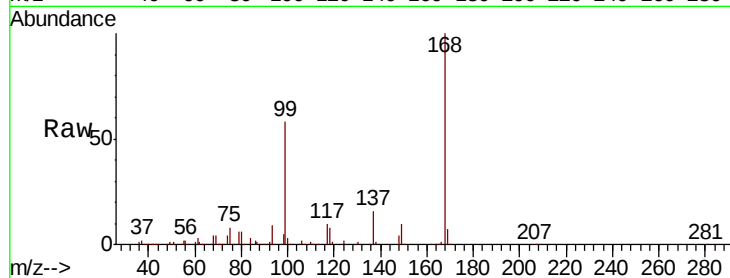
Tgt Ion: 75 Resp: 17051

Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

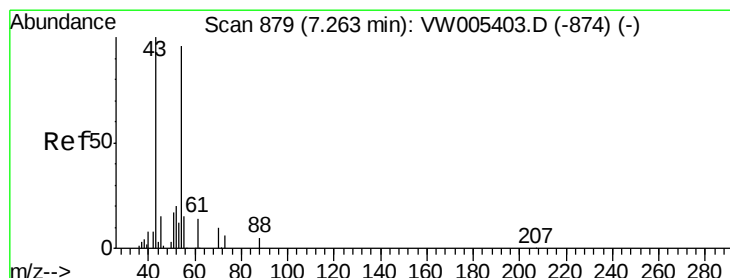
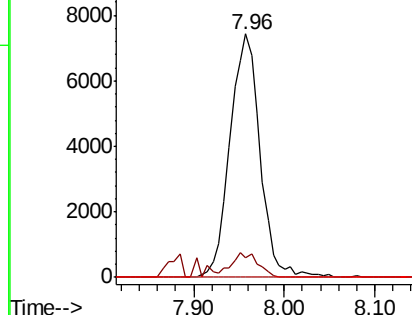
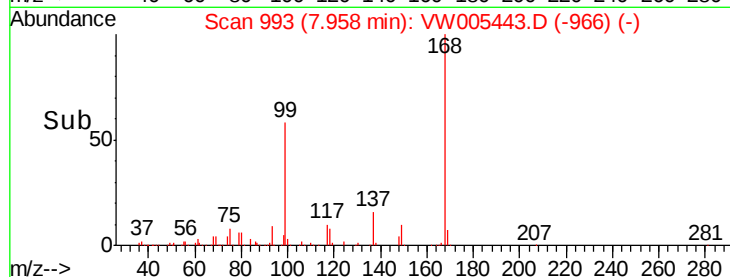
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 22.880 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW005443.D

Acq: 17 Sep 2018 19:17

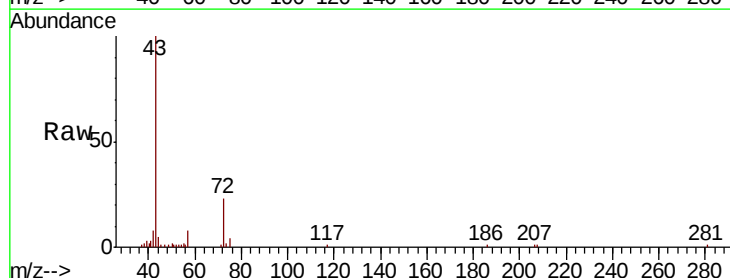
Tgt Ion: 43 Resp: 29670

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

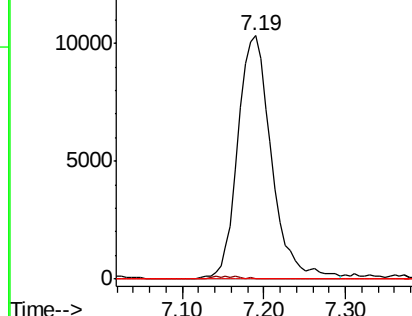
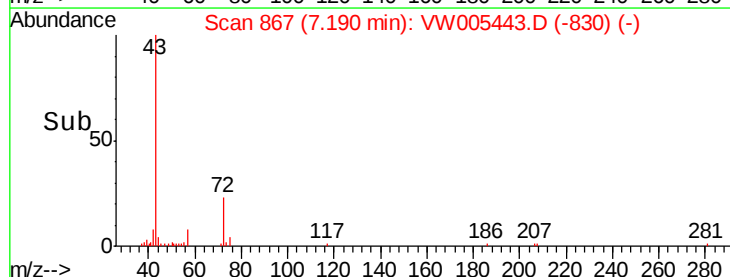
70 0.0 8.2 12.4#

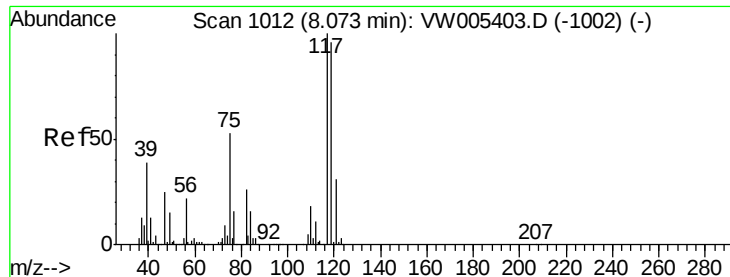


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

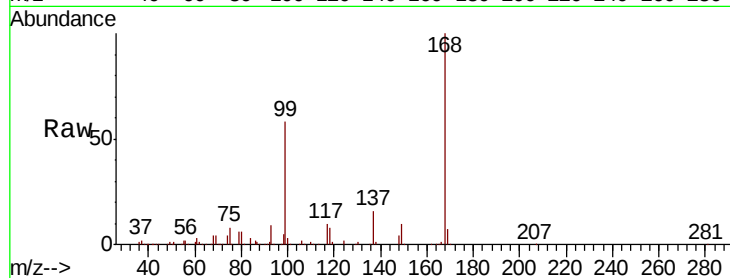




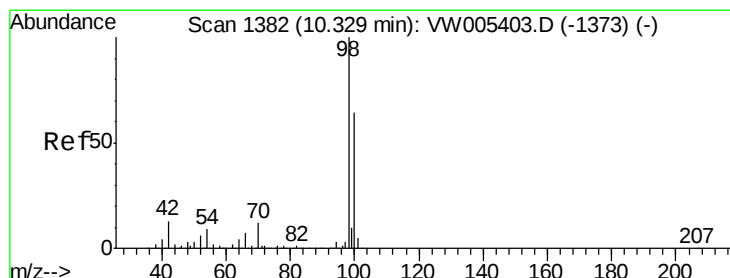
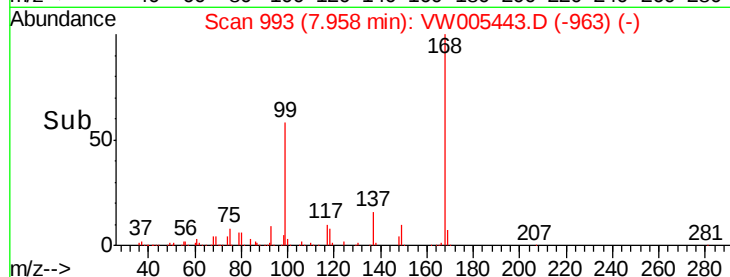
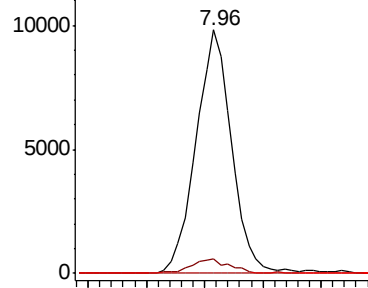
#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

Instrument :
MSVOA_W
ClientSampled :
S1

Tgt Ion:117 Resp: 20908
Ion Ratio Lower Upper
117 100
119 6.1 76.8 115.2#
121 0.0 24.7 37.1#

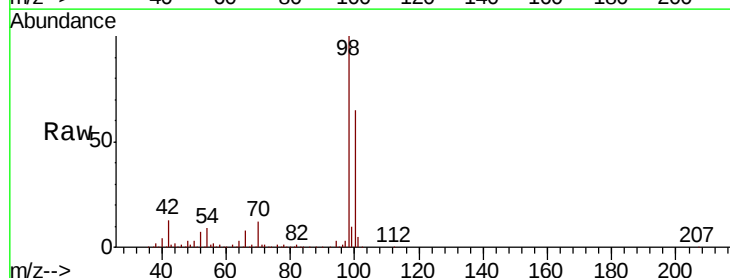


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

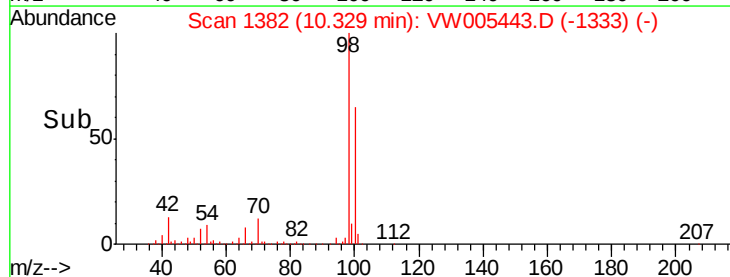
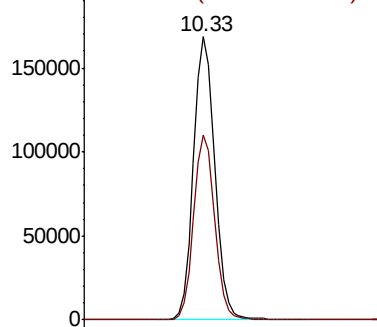


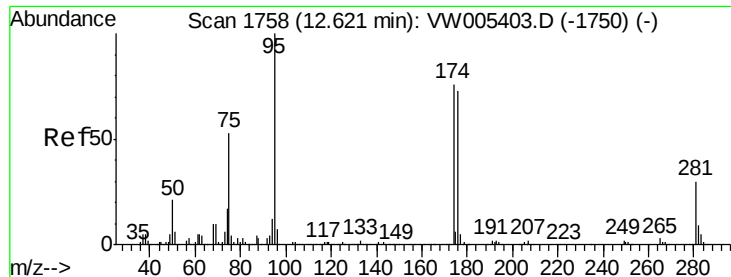
#50
Toluene-d8
Concen: 35.235 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

Tgt Ion: 98 Resp: 304837
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



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

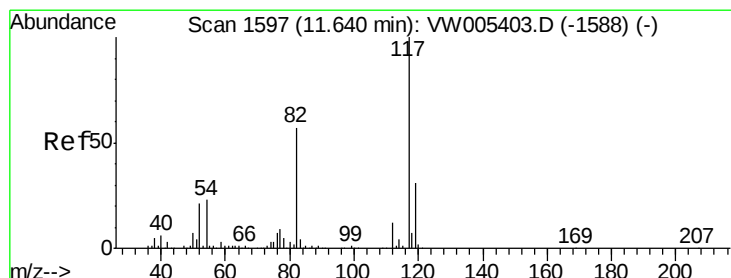
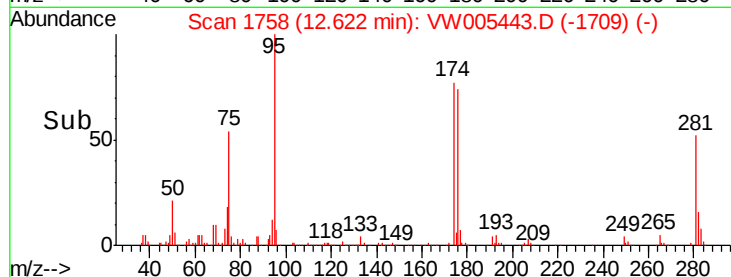
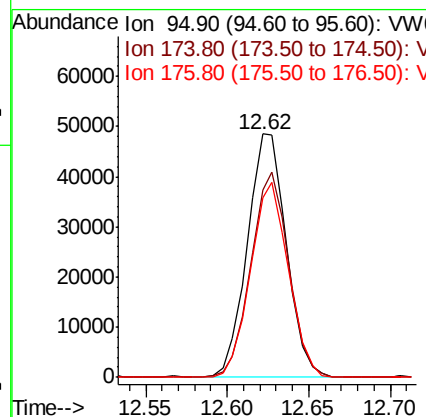
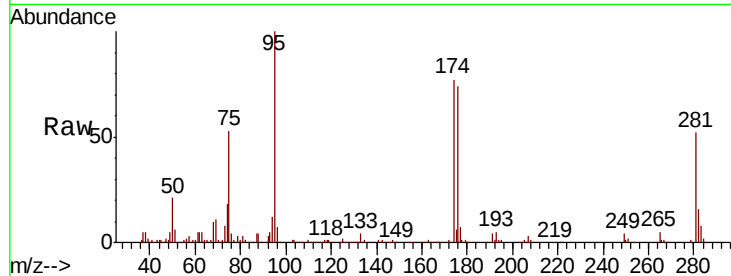




#62
4-Bromofluorobenzene
Concen: 25.289 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

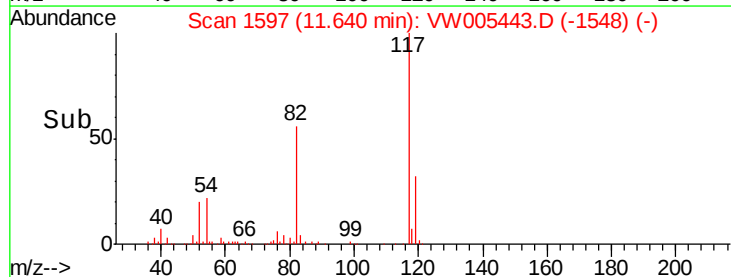
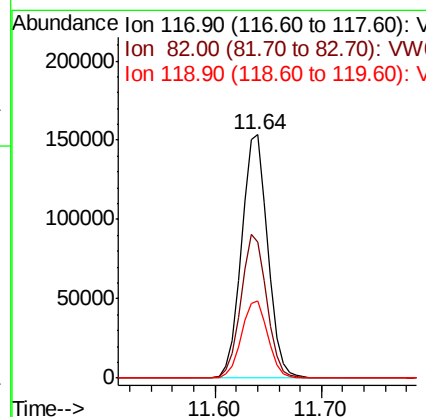
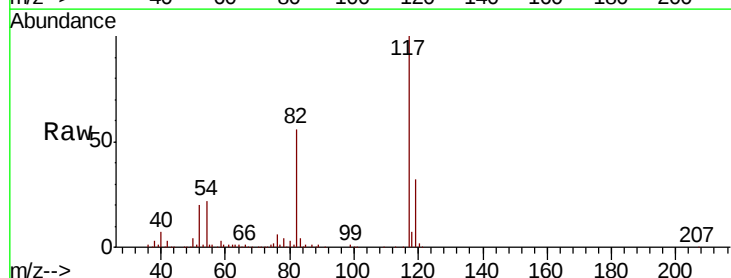
Instrument :
MSVOA_W
ClientSampleId :
S1

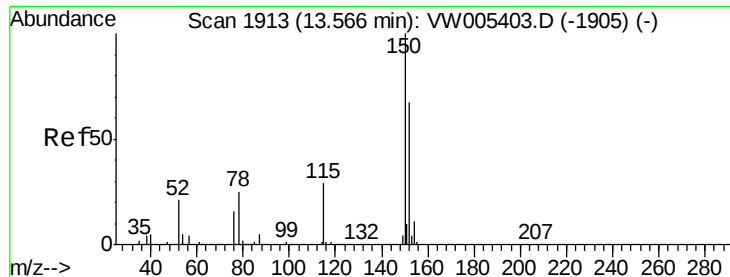
Tgt Ion: 95 Resp: 80223
Ion Ratio Lower Upper
95 100
174 82.1 0.0 161.2
176 78.4 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005443.D
Acq: 17 Sep 2018 19:17

Tgt Ion: 117 Resp: 265279
Ion Ratio Lower Upper
117 100
82 55.7 45.9 68.9
119 31.6 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005443.D

Acq: 17 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampleId :

S1

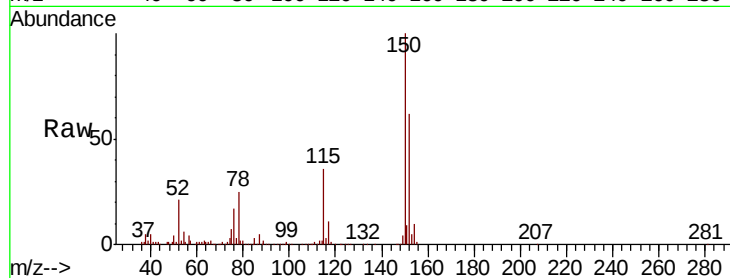
Tgt Ion:152 Resp: 80116

Ion Ratio Lower Upper

152 100

115 58.9 29.5 88.5

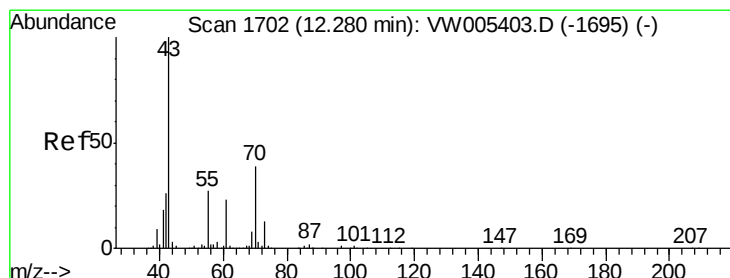
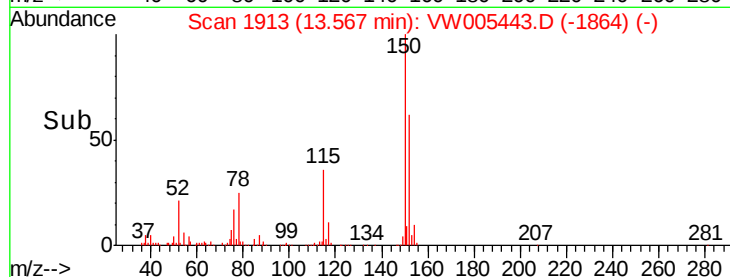
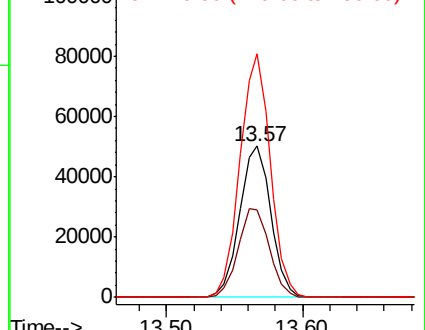
150 156.7 0.0 345.6



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



#74

N-ethyl acetate

Concen: 1.185 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.03 min

Lab File: VW005443.D

Acq: 17 Sep 2018 19:17

Tgt Ion: 43 Resp: 1403

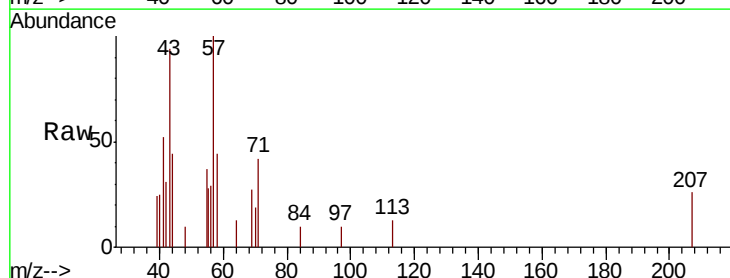
Ion Ratio Lower Upper

43 100

70 23.1 31.9 47.9#

55 56.7 21.4 32.0#

61 0.0 18.3 27.5#

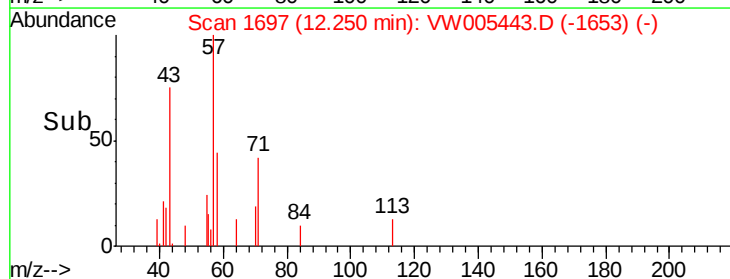
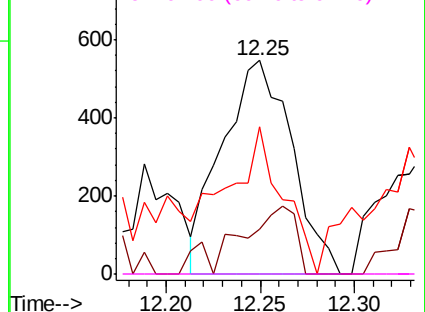


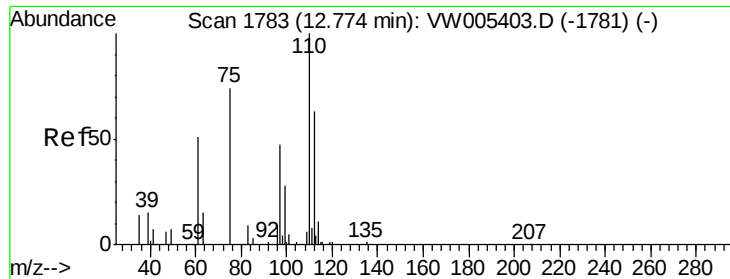
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

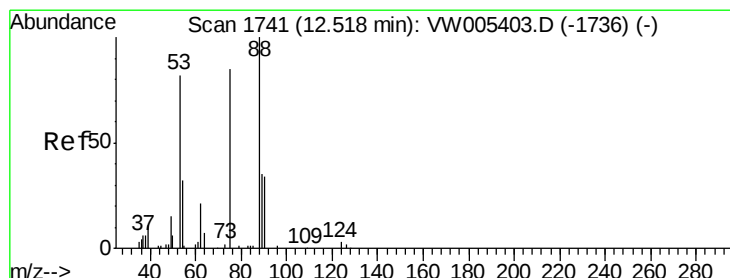
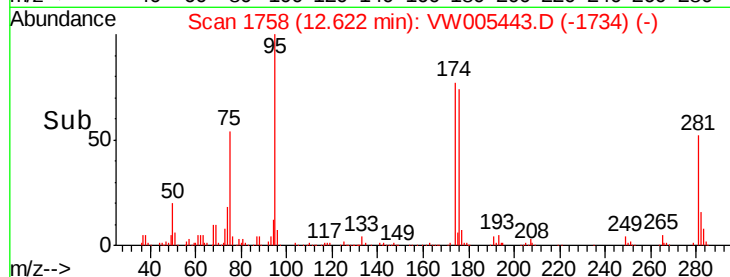
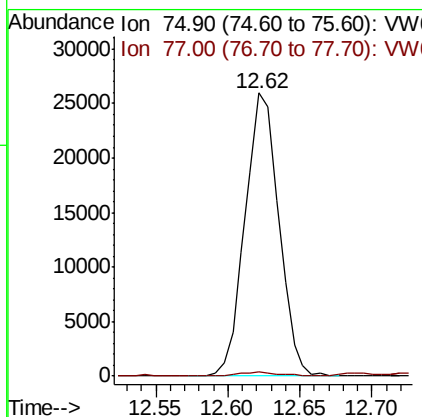
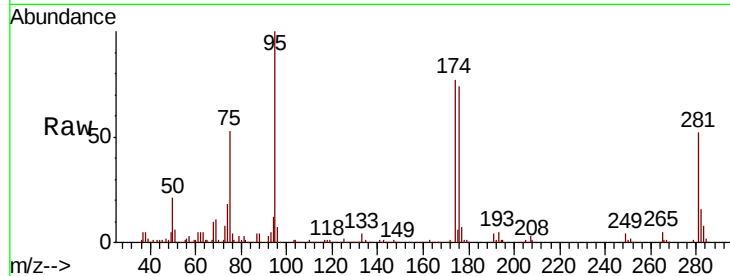




#76
 1,2,3-Trichloropropane
 Concen: 64.070 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005443.D
 Acq: 17 Sep 2018 19:17

Instrument :
 MSVOA_W
 ClientSampleId :
 S1

Tgt Ion: 75 Resp: 42218
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 166.201 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005443.D
 Acq: 17 Sep 2018 19:17

Tgt Ion: 75 Resp: 42218
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.2 124.8#
 89 0.4 36.6 54.8#

