

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005483.D
 Acq On : 18 Sep 2018 17:05
 Operator : SY/AP
 Sample : J4962-02
 Misc : 4.90G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 18:05:09 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	227102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	364941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	349076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	158752	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	110629	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
35) Dibromofluoromethane	7.90	113	1078	0.53	ug/l	0.00
Spiked Amount			Recovery	=	1.06%	
50) Toluene-d8	10.33	98	358776	38.29	ug/l	0.00
Spiked Amount			Recovery	=	76.58%	
62) 4-Bromofluorobenzene	12.62	95	125742	36.60	ug/l	0.00
Spiked Amount			Recovery	=	73.20%	

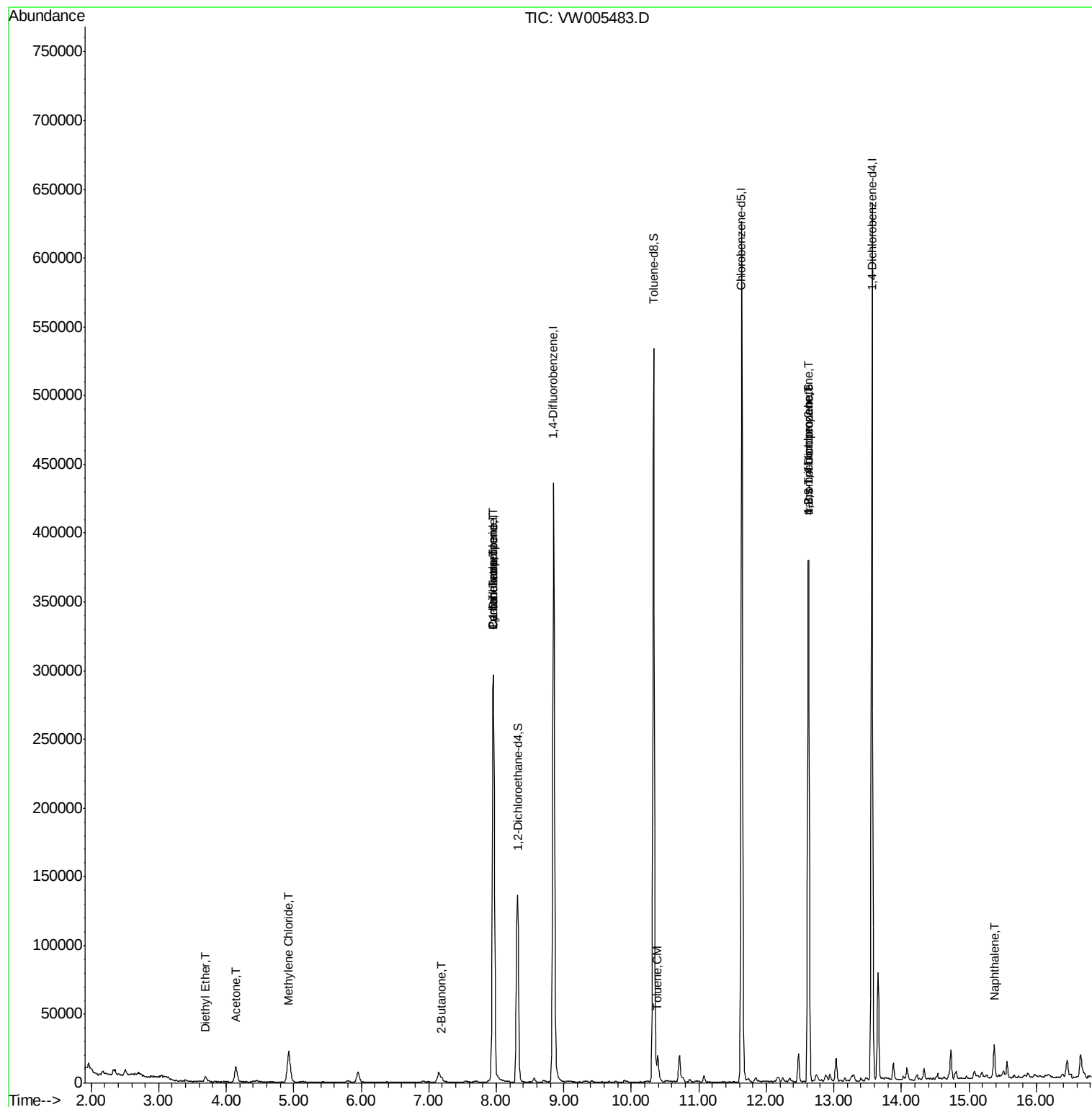
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	355	Below Cal		81
5) Bromomethane	2.79	94	277	Below Cal	#	22
8) Diethyl Ether	3.70	74	1682	1.701	ug/l	72
11) Tert butyl alcohol	5.17	59	216	Below Cal	#	71
16) Acetone	4.14	43	19691	43.180	ug/l	96
20) Methylene Chloride	4.93	84	16656	1.561	ug/l	97
25) 2-Butanone	7.19	43	4212	7.428	ug/l	# 87
31) Cyclohexane	7.96	56	5382	1.430	ug/l	# 13
36) 1,1-Dichloropropene	7.95	75	17761	5.143	ug/l	# 51
38) Carbon Tetrachloride	7.95	117	22598	6.279	ug/l	# 17
52) Toluene	10.39	92	6921	1.021	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	64425	49.341	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	64425	127.995	ug/l	# 8
95) Naphthalene	15.38	128	19535	3.765	ug/l	98

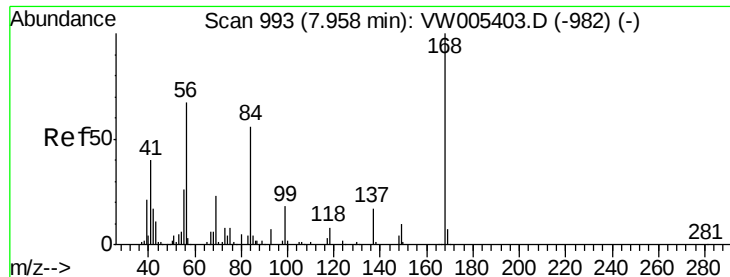
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

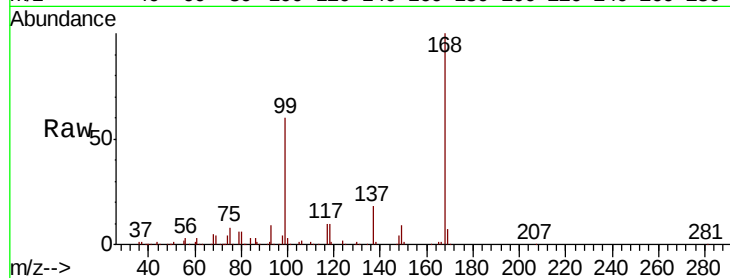
ClientSampled :

Tot Ion:168 Resp: 227102

Ion Ratio Lower Upper

168 100

99 59.5 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

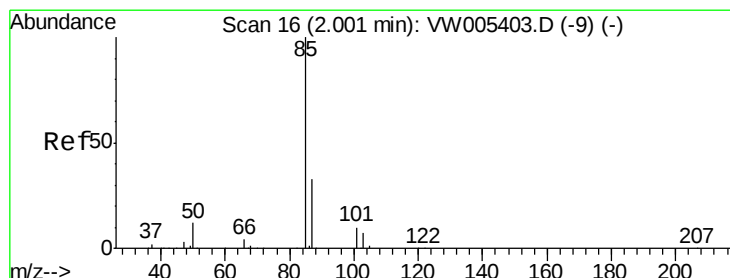
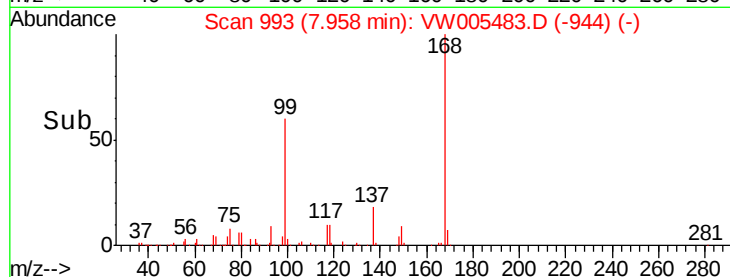
60000

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: VW005483.D

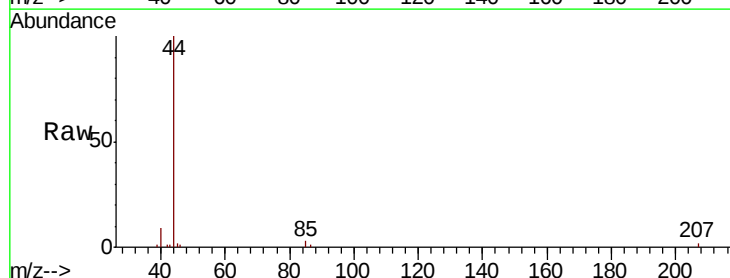
Acq: 18 Sep 2018 17:05

Tgt Ion: 85 Resp: 355

Ion Ratio Lower Upper

85 100

87 21.9 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

300

250

200

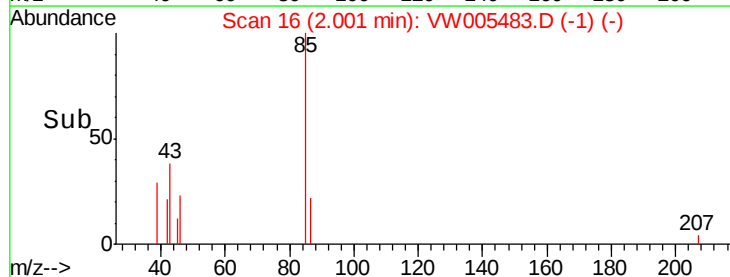
150

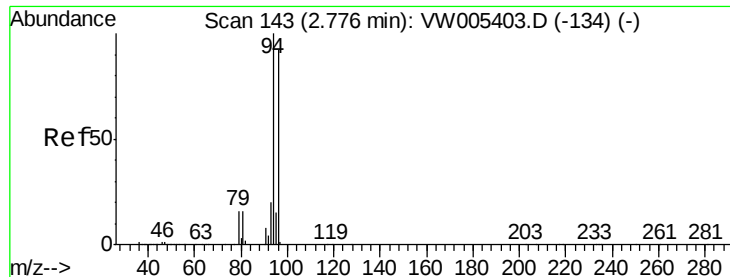
100

50

0

Time--> 1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

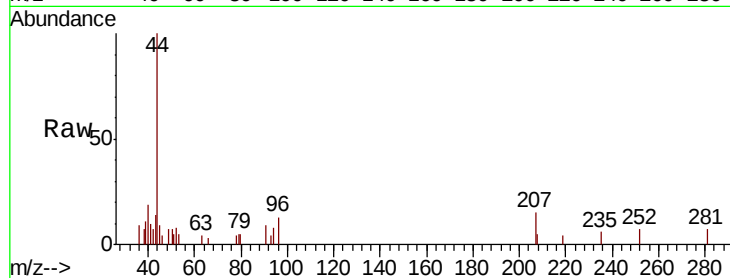
ClientSampleId :

Tot Ion: 94 Resp: 277

Ion Ratio Lower Upper

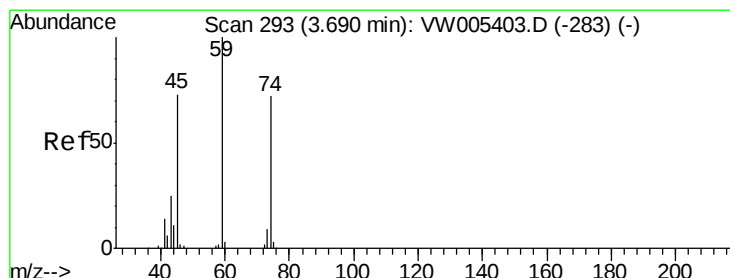
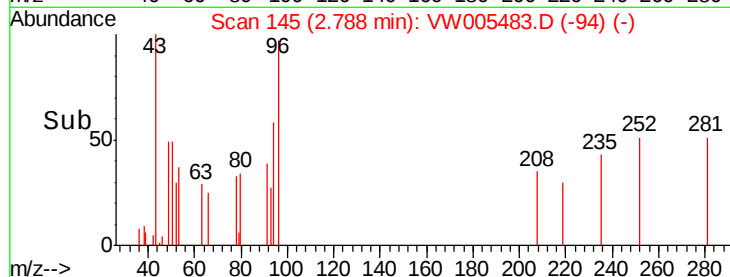
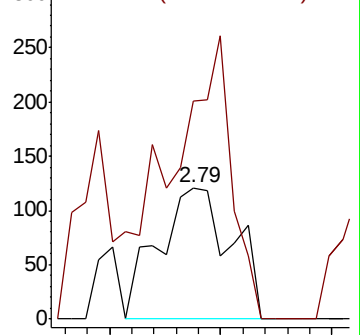
94 100

96 166.1 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.701 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005483.D

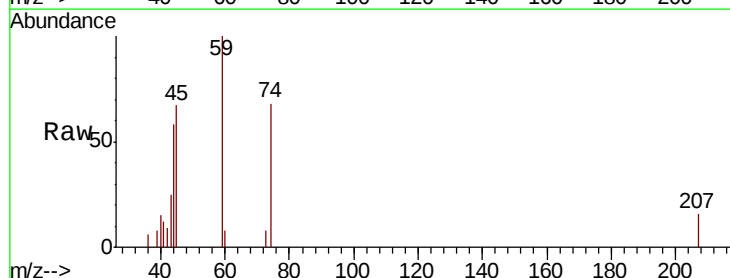
Acq: 18 Sep 2018 17:05

Tgt Ion: 74 Resp: 1682

Ion Ratio Lower Upper

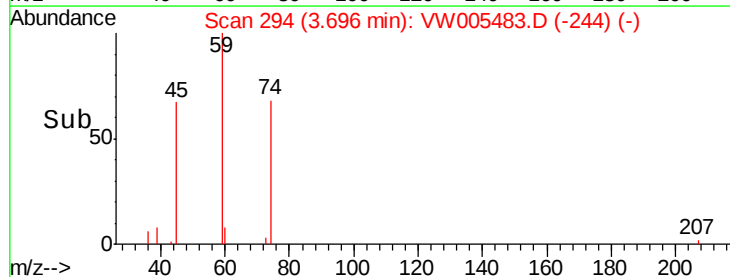
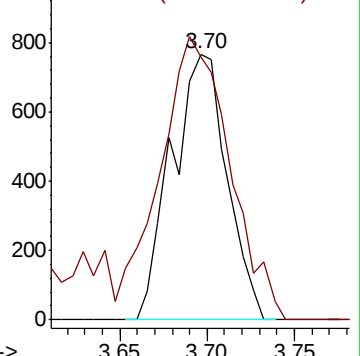
74 100

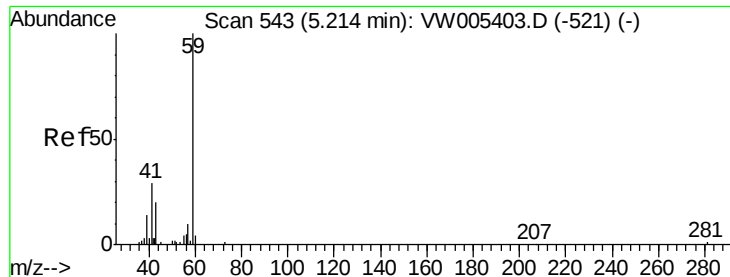
45 135.1 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



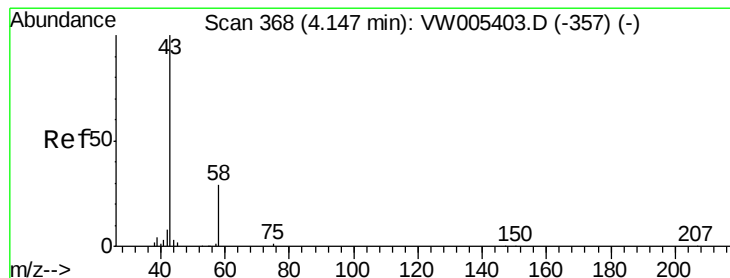
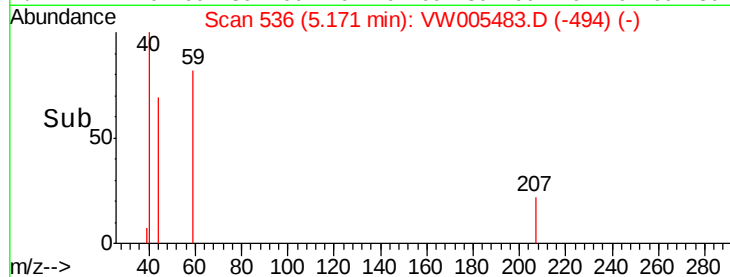
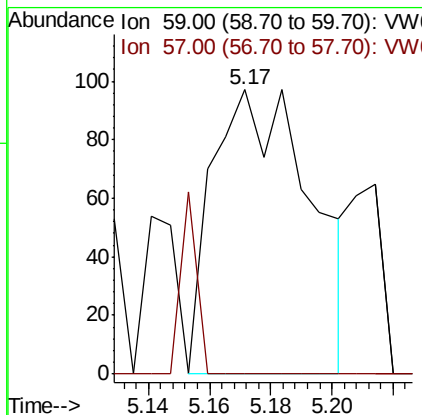
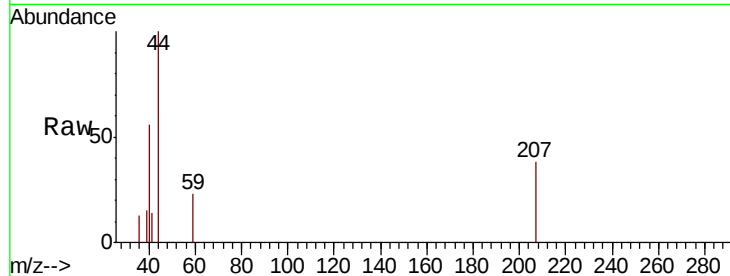


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. -0.04 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

Instrument :
 MSVOA_W
 ClientSampled :

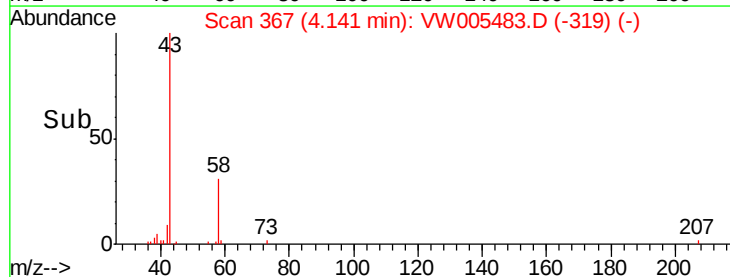
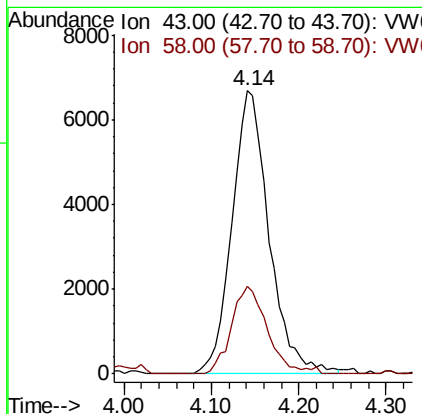
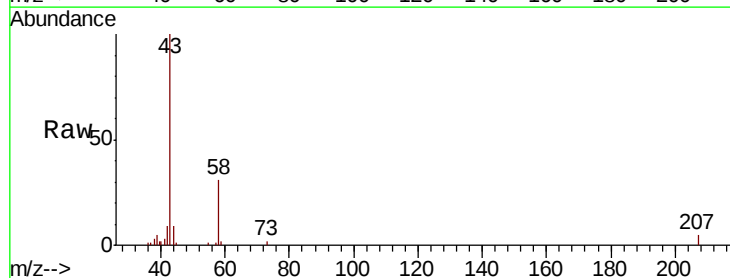
Tot Ion: 59 Resp: 216
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

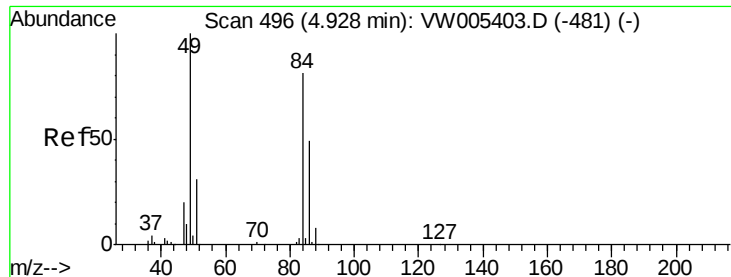


#16

Acetone
 Concen: 43.180 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

Tgt Ion: 43 Resp: 19691
 Ion Ratio Lower Upper
 43 100
 58 30.7 22.8 34.2





#20

Methylene Chloride

Concen: 1.561 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 16656

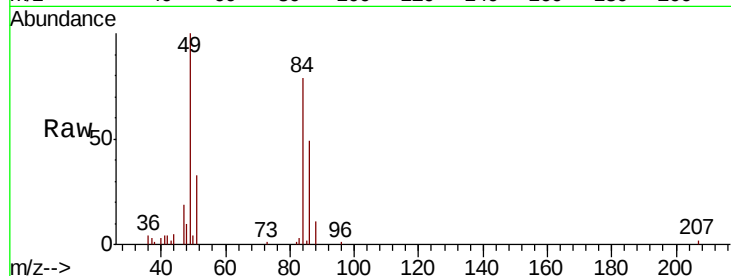
Ion Ratio Lower Upper

84 100

49 126.8 99.3 148.9

51 42.0 31.1 46.7

86 62.2 49.1 73.7

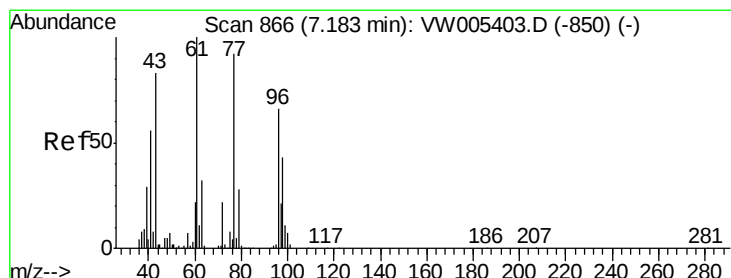
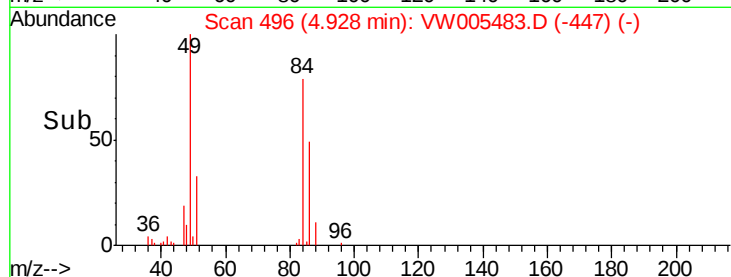
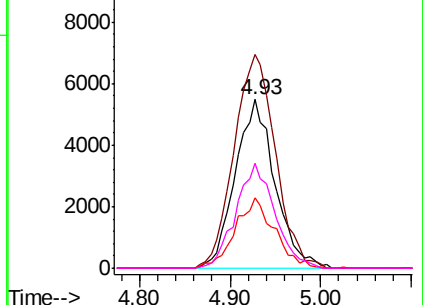


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 7.428 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005483.D

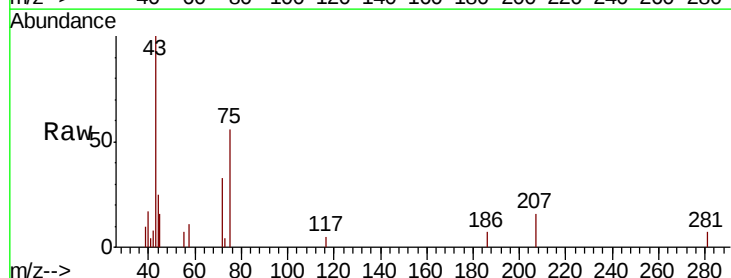
Acq: 18 Sep 2018 17:05

Tgt Ion: 43 Resp: 4212

Ion Ratio Lower Upper

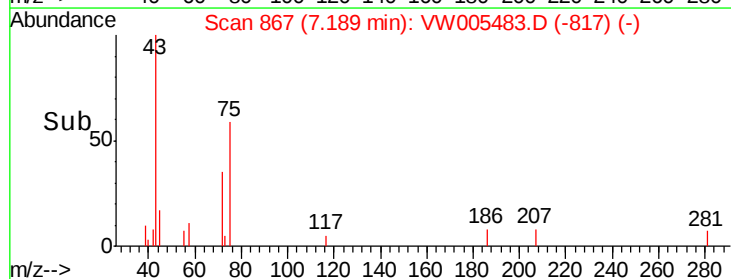
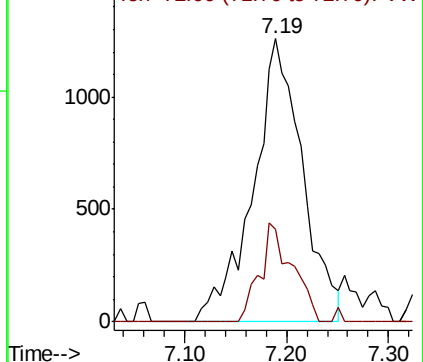
43 100

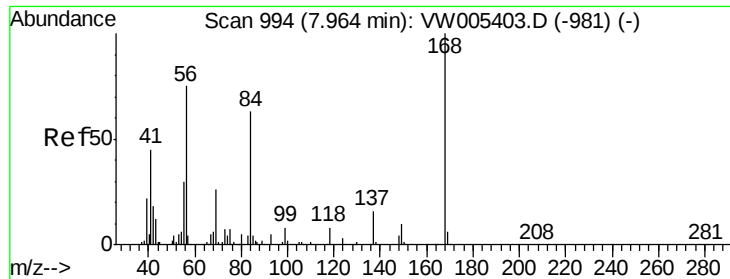
72 32.8 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

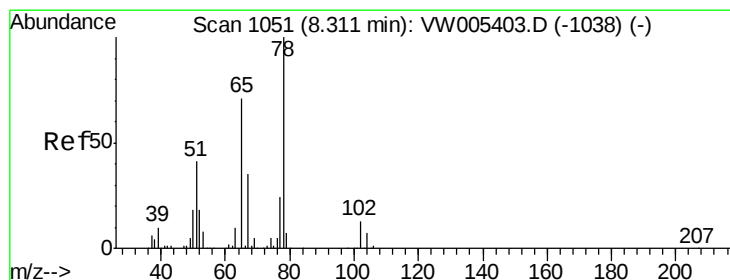
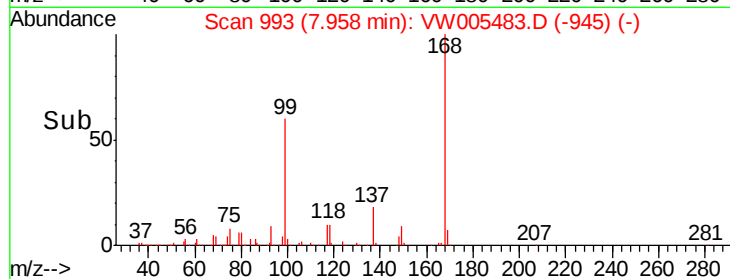
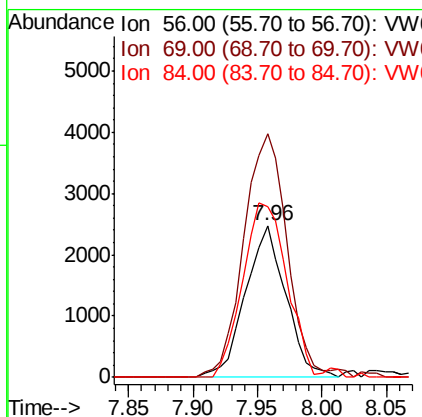
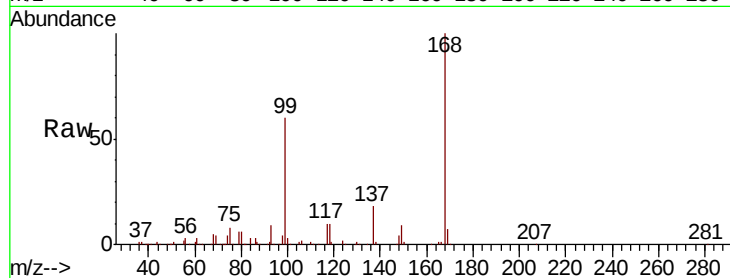




#31
Cvclohexane
Concen: 1.430 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005483.D
Acq: 18 Sep 2018 17:05

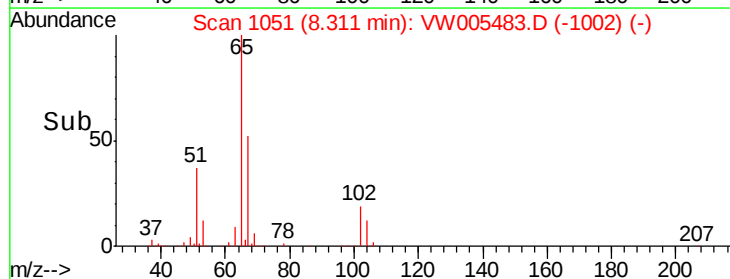
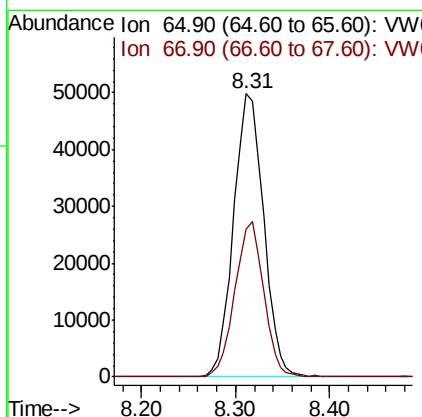
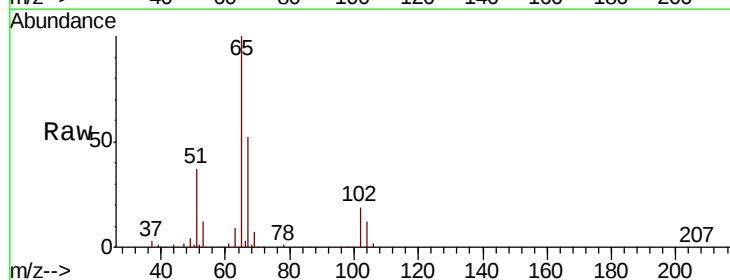
Instrument :
MSVOA_W
ClientSampled :

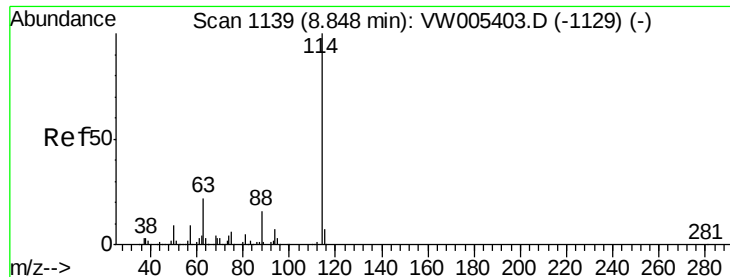
Tot Ion: 56 Resp: 5382
Ion Ratio Lower Upper
56 100
69 160.4 27.2 40.8#
84 112.7 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 46.930 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005483.D
Acq: 18 Sep 2018 17:05

Tgt Ion: 65 Resp: 110629
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.6

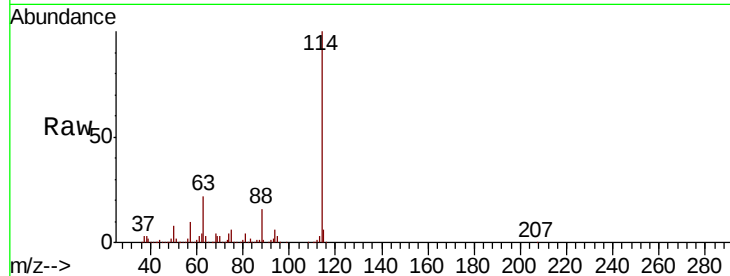




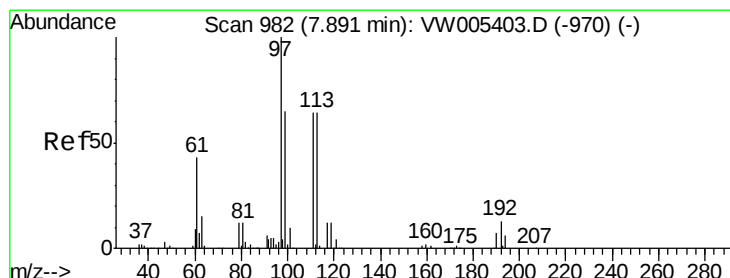
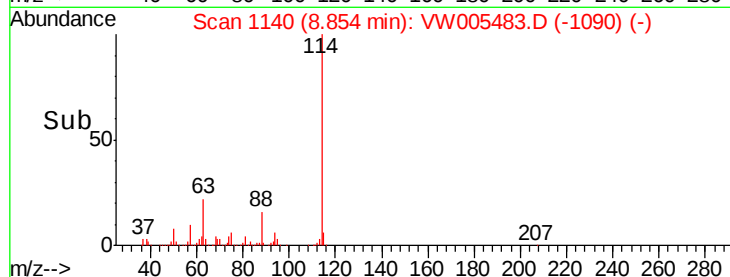
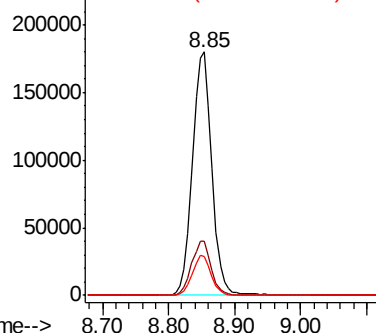
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 364941
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 16.0 0.0 31.8

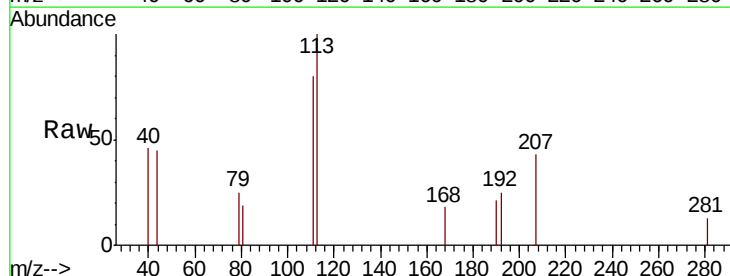


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

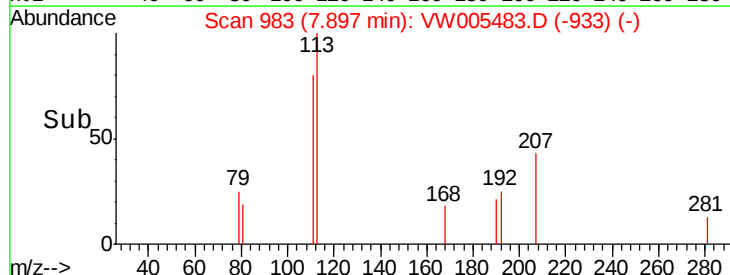
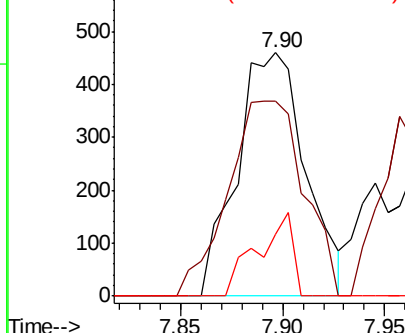


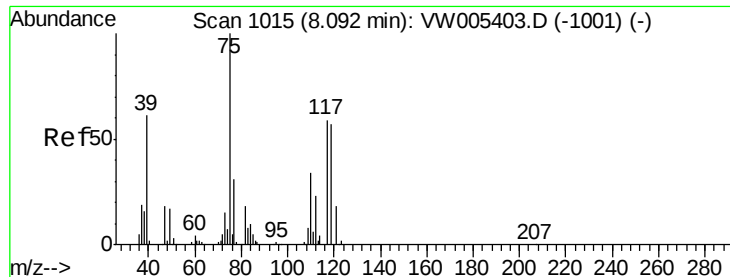
#35
 Dibromofluoromethane
 Concen: 0.527 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

Tgt Ion:113 Resp: 1078
 Ion Ratio Lower Upper
 113 100
 111 88.4 82.3 123.5
 192 17.3 16.5 24.7



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

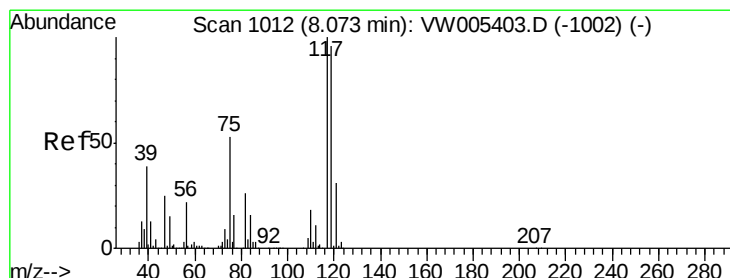
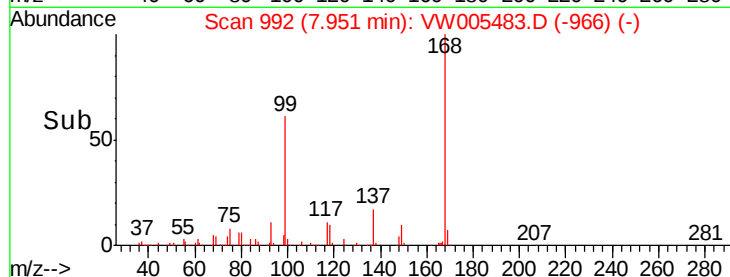
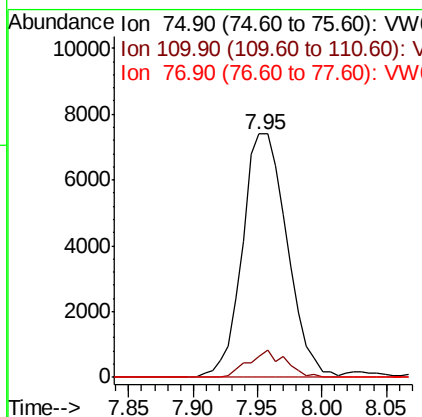
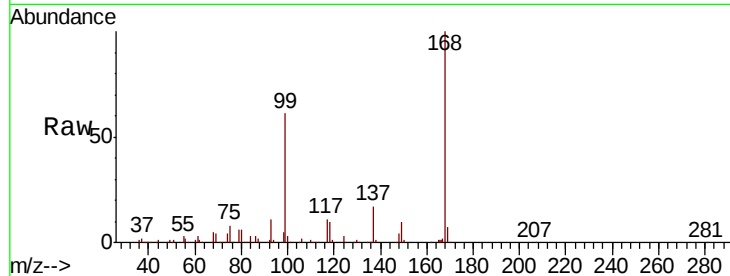




#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

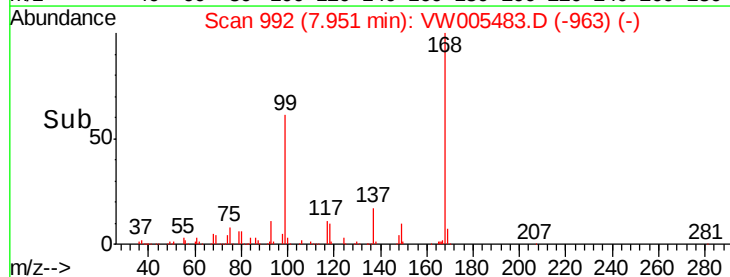
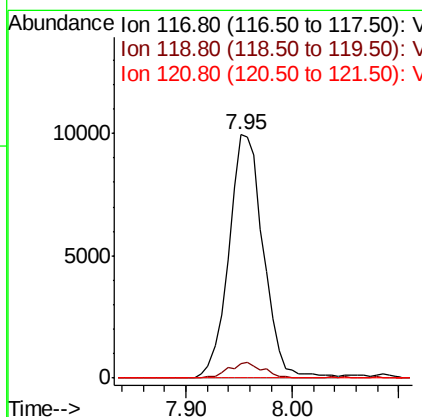
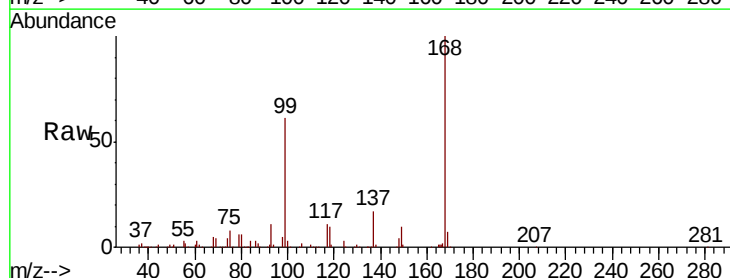
Instrument :
 MSVOA_W
 ClientSampleId :

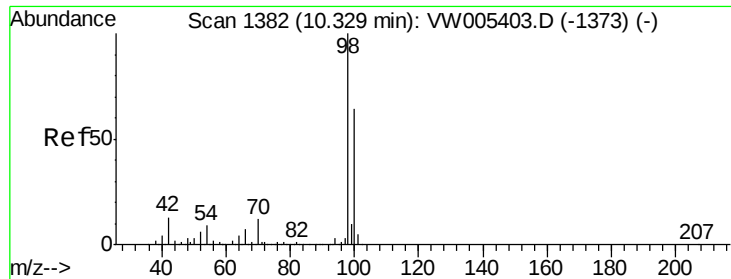
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.279 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 38.288 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

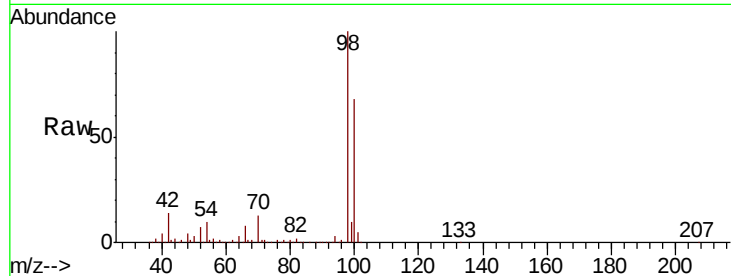
ClientSampleId :

Tot Ion: 98 Resp: 358776

Ion Ratio Lower Upper

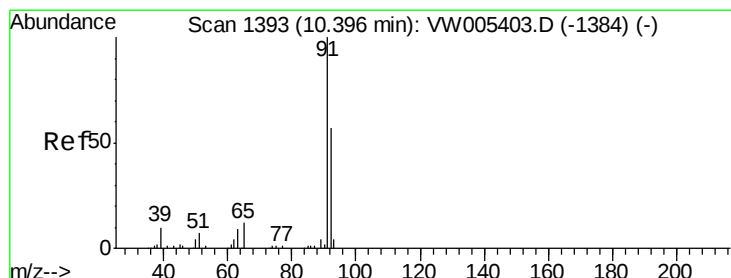
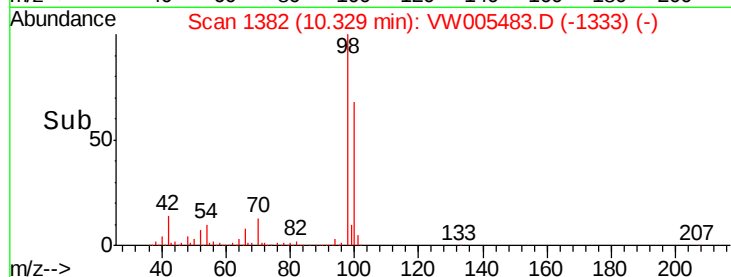
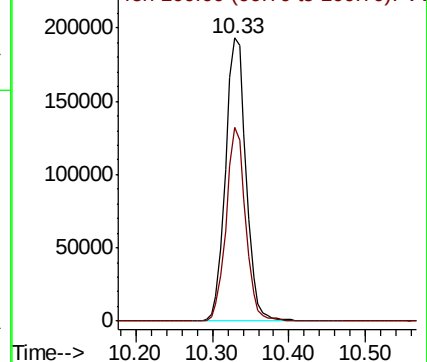
98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.021 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005483.D

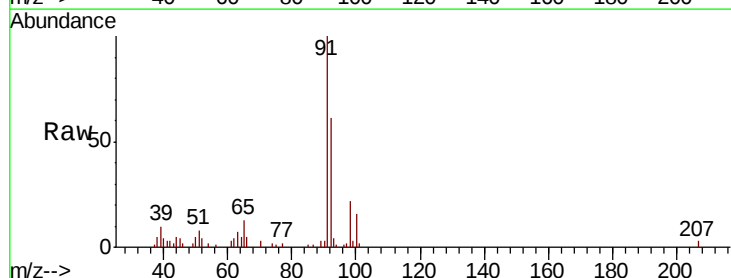
Acq: 18 Sep 2018 17:05

Tgt Ion: 92 Resp: 6921

Ion Ratio Lower Upper

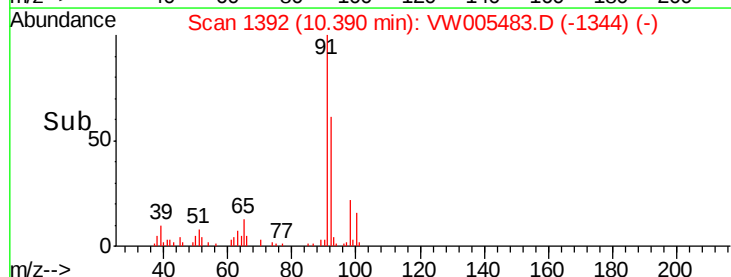
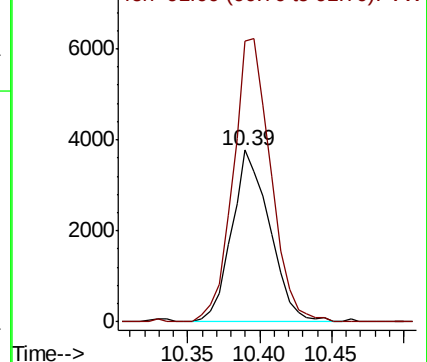
92 100

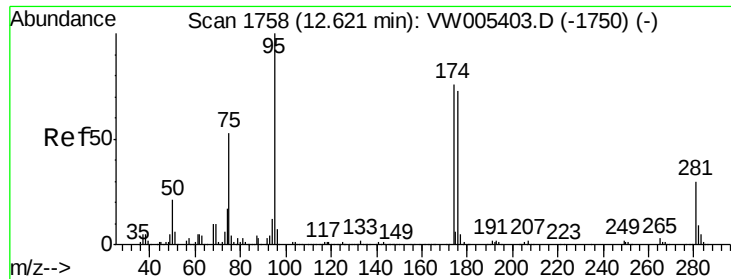
91 163.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

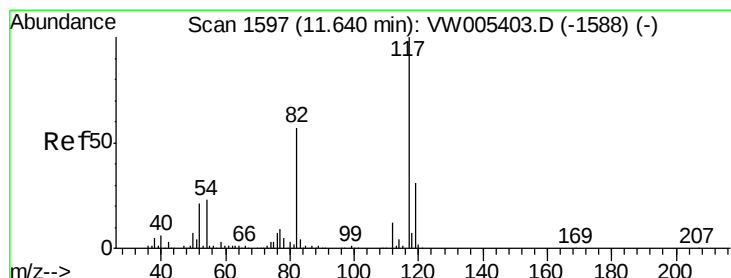
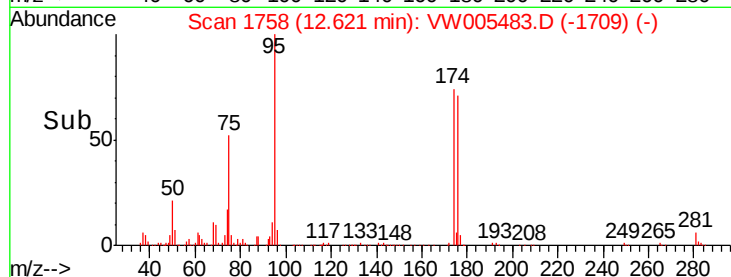
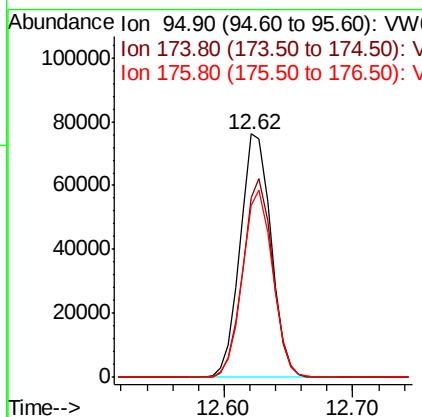
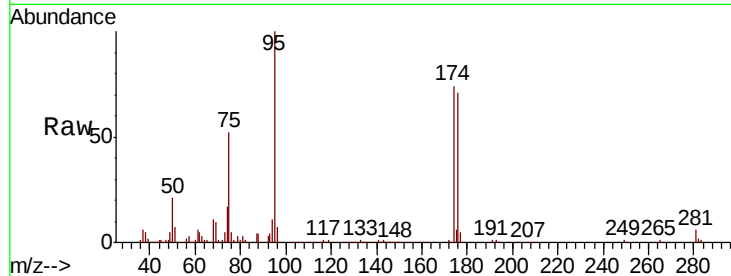




#62
4-Bromofluorobenzene
Concen: 36.597 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005483.D
Acq: 18 Sep 2018 17:05

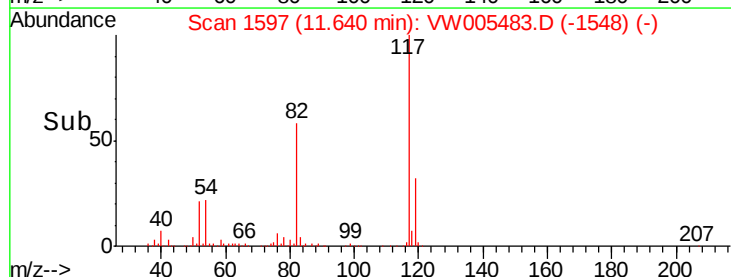
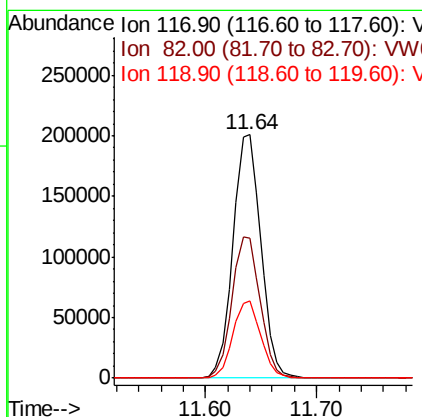
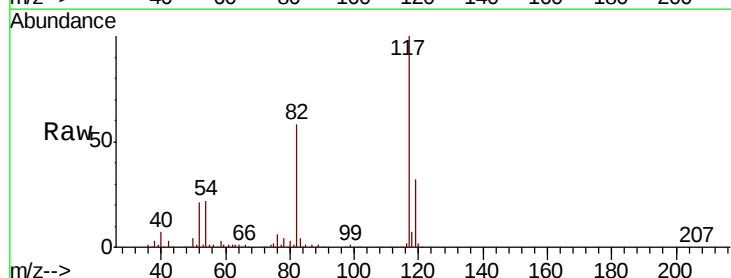
Instrument :
MSVOA_W
ClientSampleId :

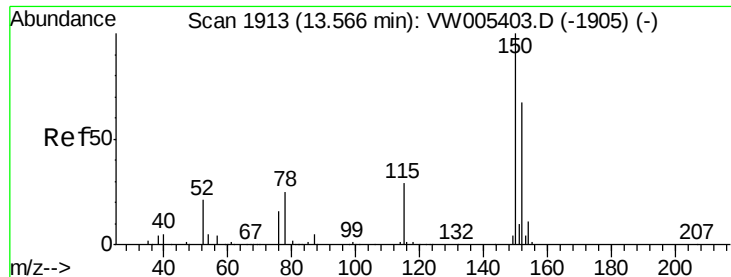
Tot Ion: 95 Resp: 125742
Ion Ratio Lower Upper
95 100
174 78.8 0.0 161.2
176 75.6 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005483.D
Acq: 18 Sep 2018 17:05

Tgt Ion: 117 Resp: 349076
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.7 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: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

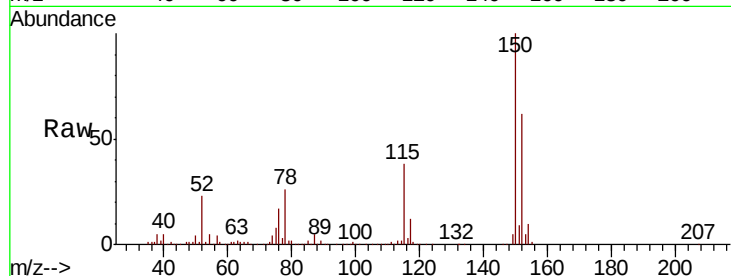
Tot Ion:152 Resp: 158752

Ion Ratio Lower Upper

152 100

115 60.8 29.5 88.5

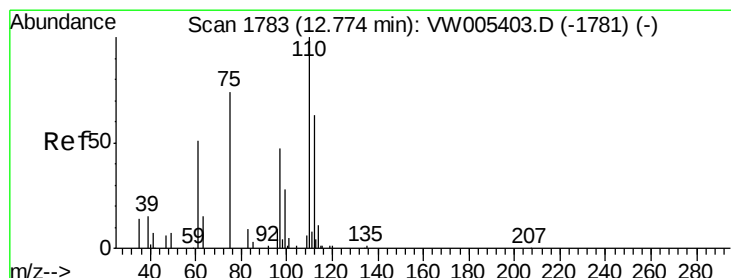
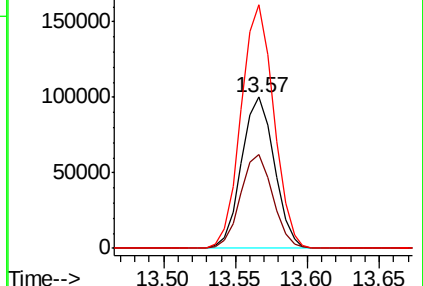
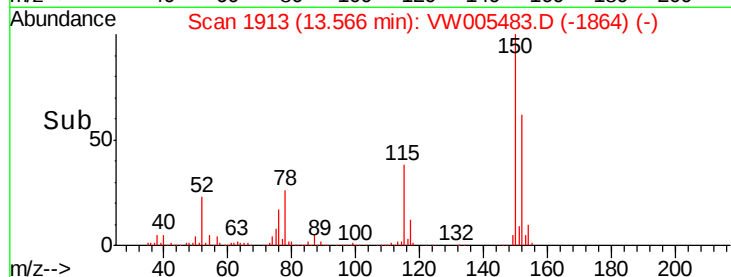
150 160.3 0.0 345.6



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



#76

1,2,3-Trichloropropane

Concen: 49.341 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005483.D

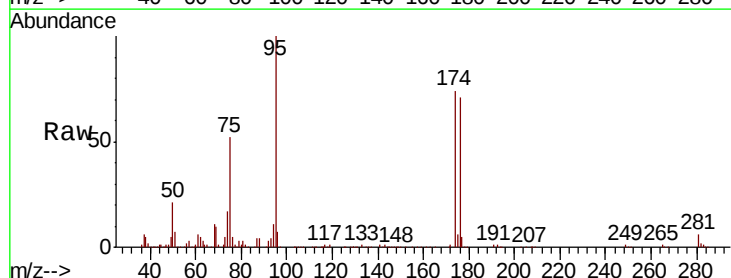
Acq: 18 Sep 2018 17:05

Tgt Ion: 75 Resp: 64425

Ion Ratio Lower Upper

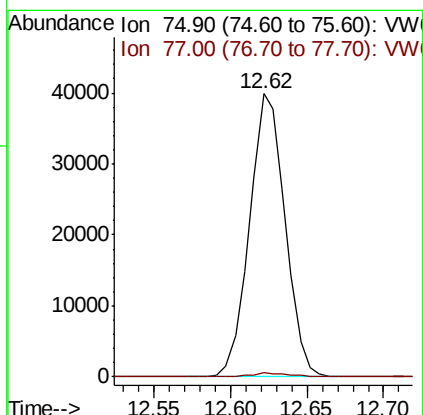
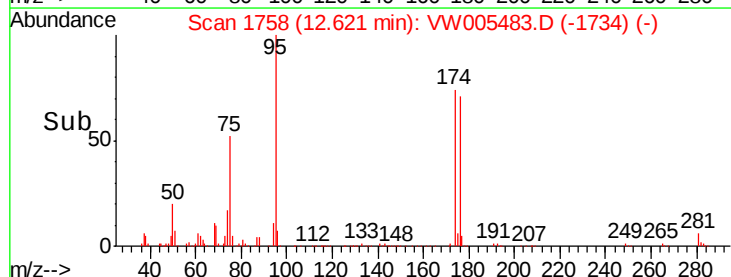
75 100

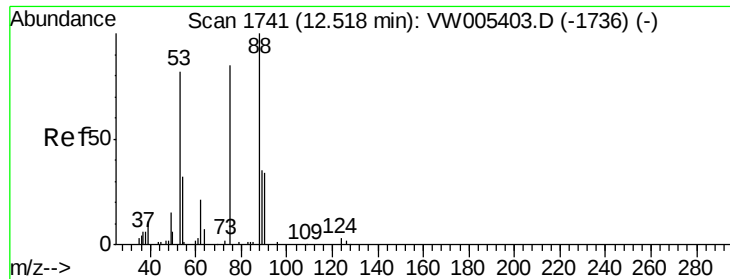
77 1.6 0.0 0.0#



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: 127.995 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

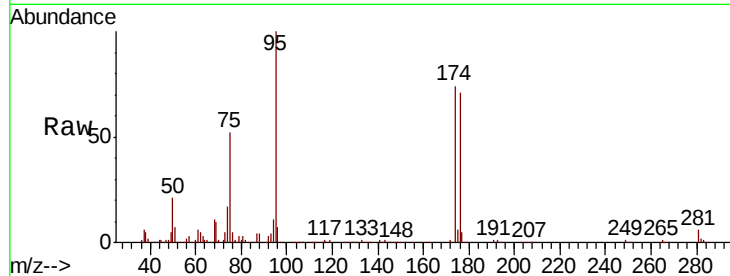
Tot Ion: 75 Resp: 64425

Ion Ratio Lower Upper

75 100

53 0.3 83.2 124.8#

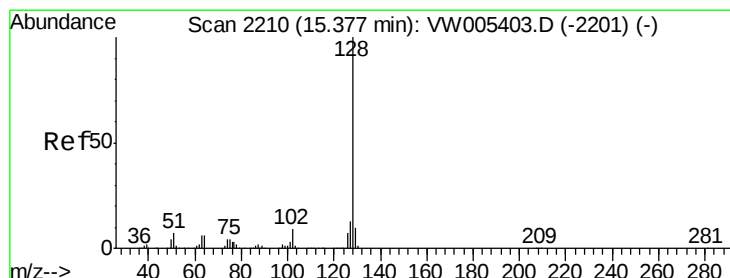
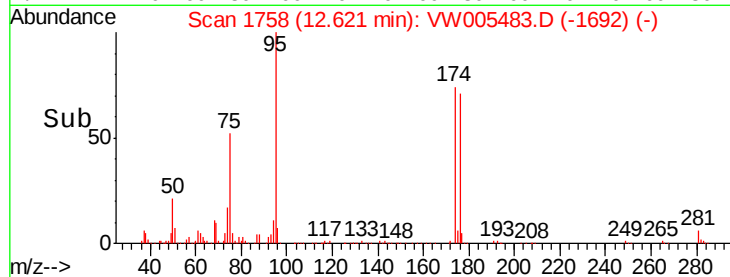
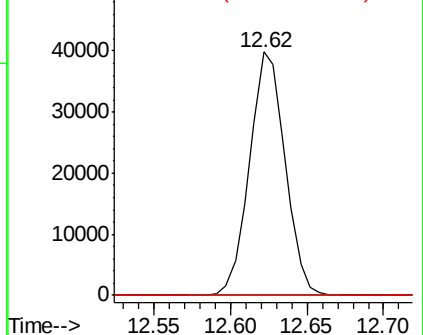
89 0.0 36.6 54.8#



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



#95

Naphthalene

Concen: 3.765 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

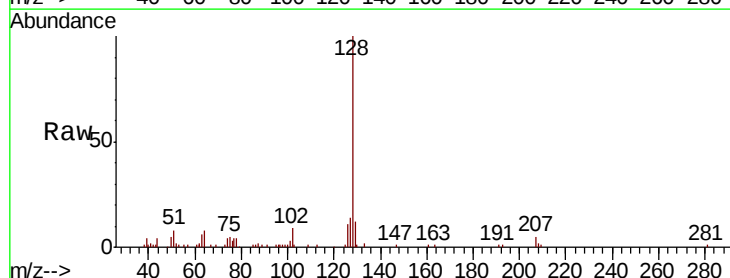
Tgt Ion: 128 Resp: 19535

Ion Ratio Lower Upper

128 100

127 14.3 11.0 16.4

129 11.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

