

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007207.D
 Acq On : 05 Dec 2018 01:52
 Operator : SY/AP
 Sample : J6184-01RE
 Misc : 5.34G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-331RE

Quant Time: Dec 05 07:25:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

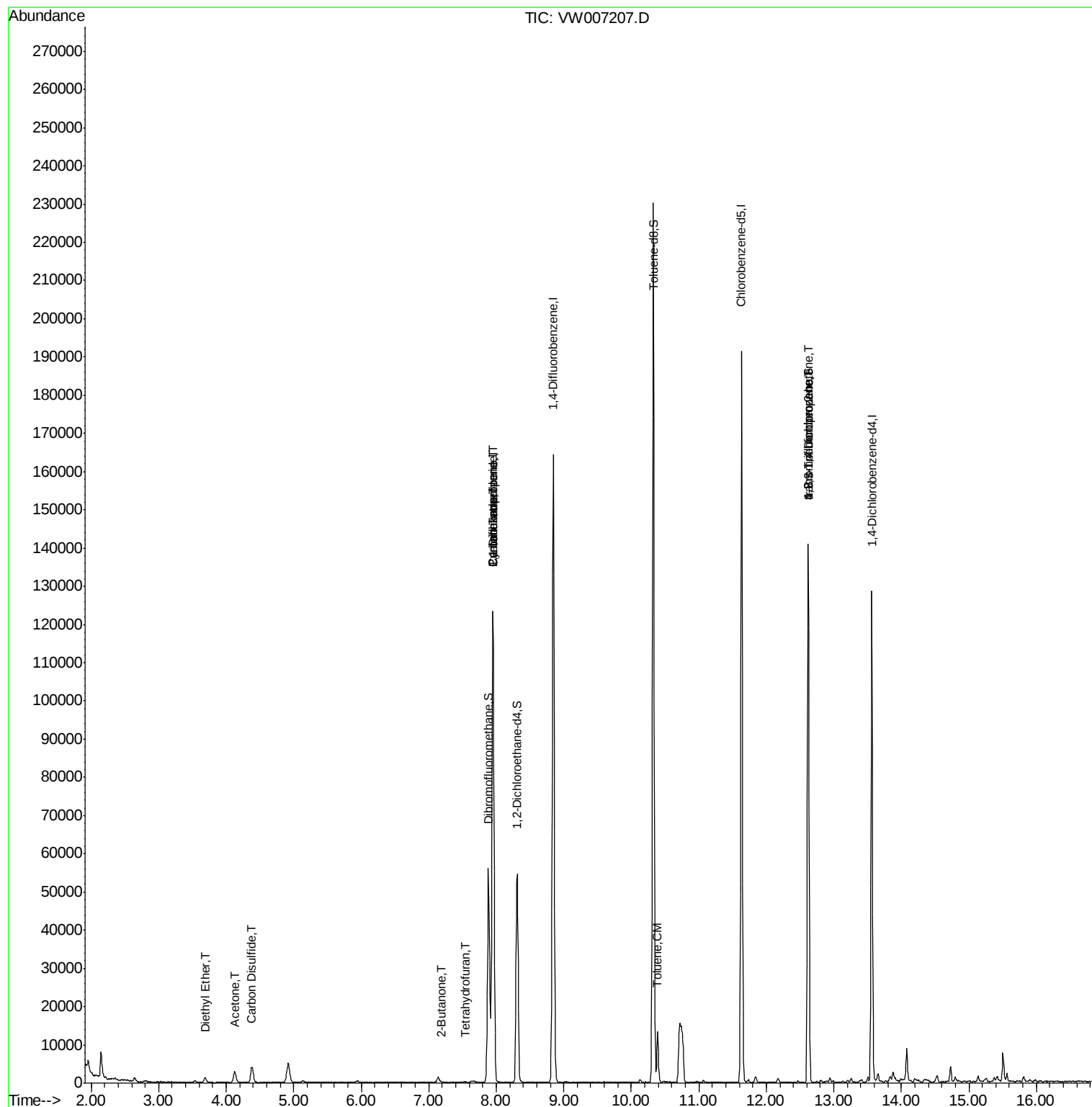
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	147950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	35424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	42865	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.89	113	41840	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.32	98	158764	42.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.08%	
62) 4-Bromofluorobenzene	12.62	95	44500	31.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.18%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	783	1.763	ug/l	99
11) Tert butyl alcohol	5.13	59	420	Below Cal	#	75
16) Acetone	4.13	43	5382	25.914	ug/l #	89
17) Carbon Disulfide	4.38	76	7690	2.586	ug/l	98
20) Methylene Chloride	4.92	84	3977	Below Cal		93
25) 2-Butanone	7.19	43	397	1.649	ug/l #	46
29) Tetrahydrofuran	7.55	42	203	1.364	ug/l #	49
31) Cyclohexane	7.95	56	1808	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	7075	4.915	ug/l #	49
38) Carbon Tetrachloride	7.95	117	9629	6.553	ug/l #	18
52) Toluene	10.40	92	5771	2.102	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	22049	41.419	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	22049	173.259	ug/l #	13

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

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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: VW007207.D

Acq: 05 Dec 2018 01:52

Instrument :

MSVOA_W

ClientSampleId :

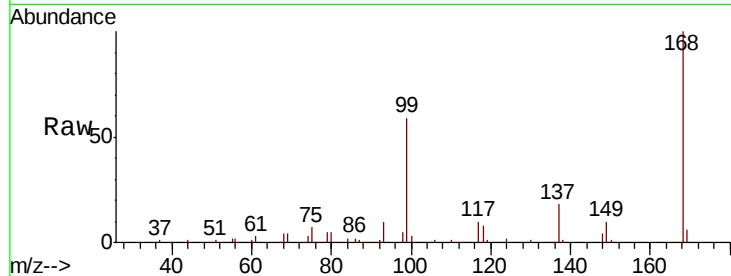
RO-331RE

Tot Ion:168 Resp: 94228

Ion Ratio Lower Upper

168 100

99 58.7 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

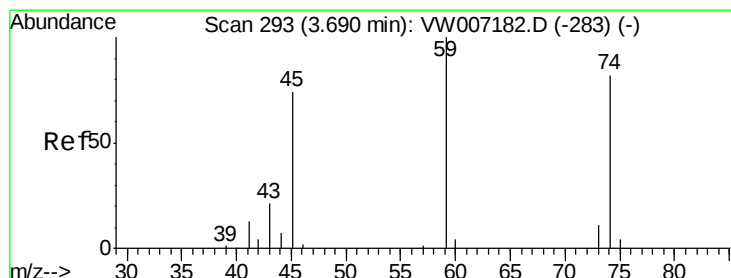
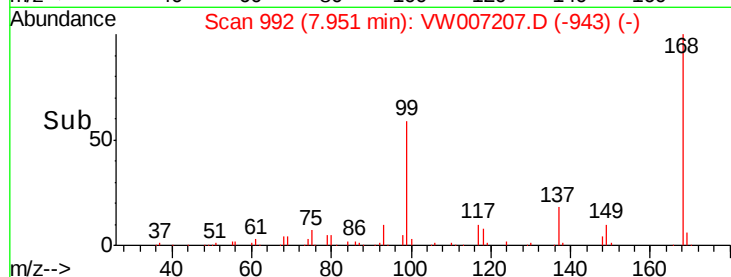
10000

0

Time-->

7.90

8.00



#8

Diethyl Ether

Concen: 1.763 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW007207.D

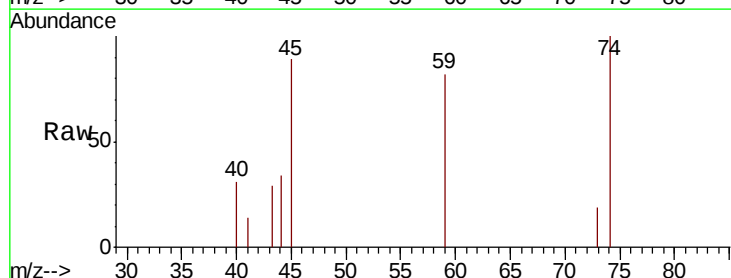
Acq: 05 Dec 2018 01:52

Tgt Ion: 74 Resp: 783

Ion Ratio Lower Upper

74 100

45 95.5 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

400

300

200

100

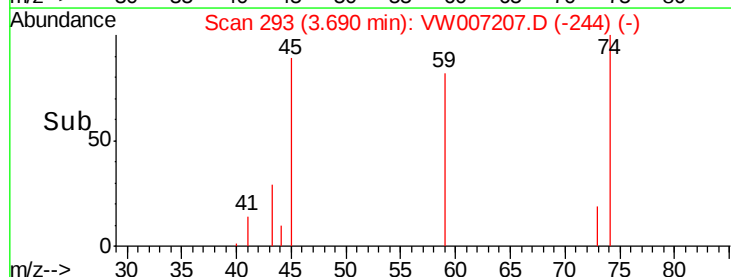
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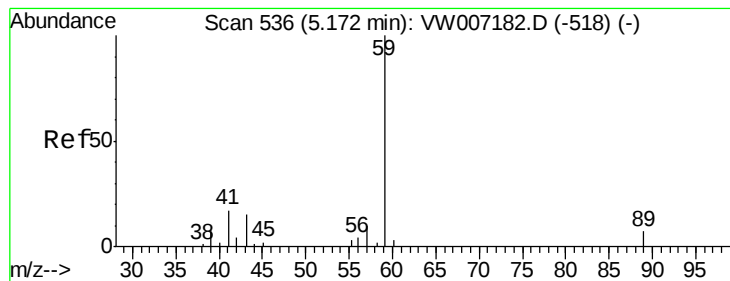
Time-->

3.65

3.70

3.75



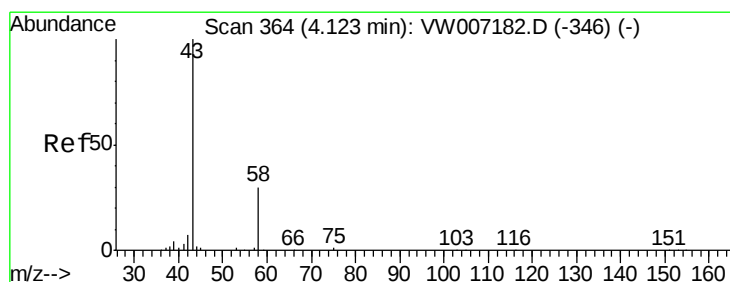
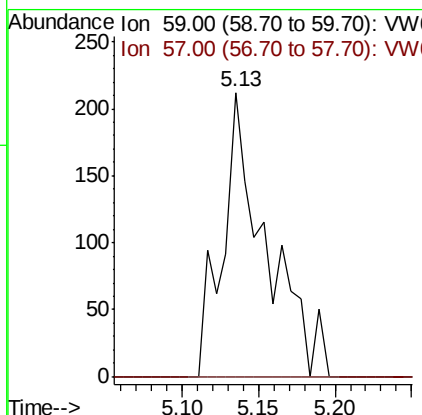
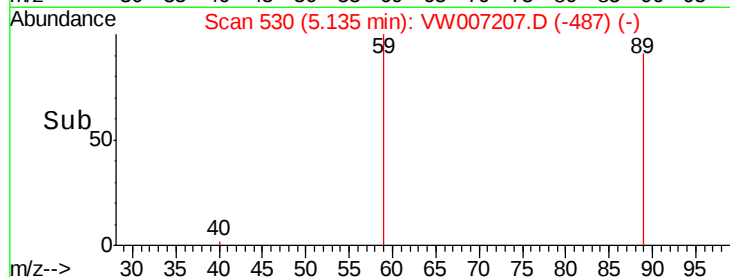
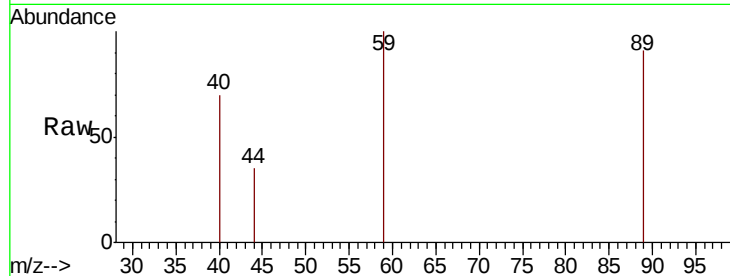


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.13 min Scan# 530
 Delta R.T. -0.04 min
 Lab File: VW007207.D
 Acq: 05 Dec 2018 01:52

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-331RE

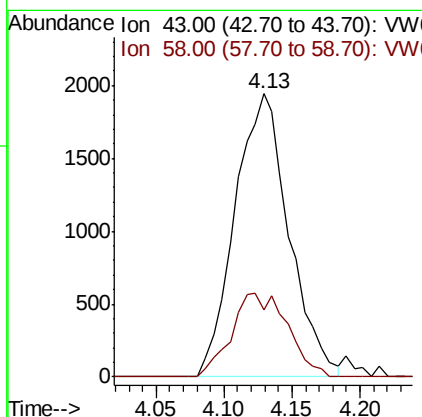
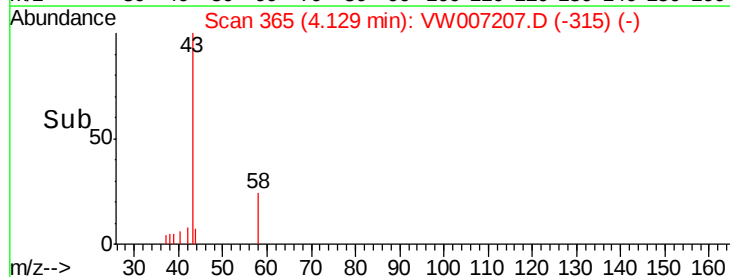
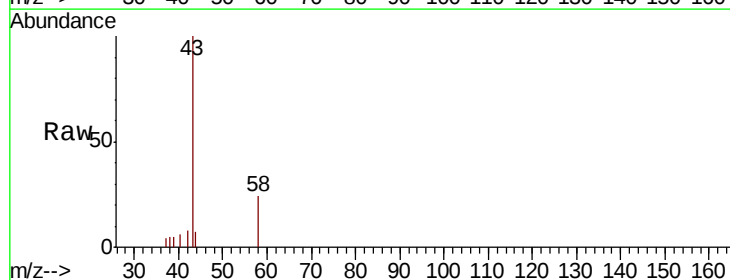
Tot Ion: 59 Resp: 420
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

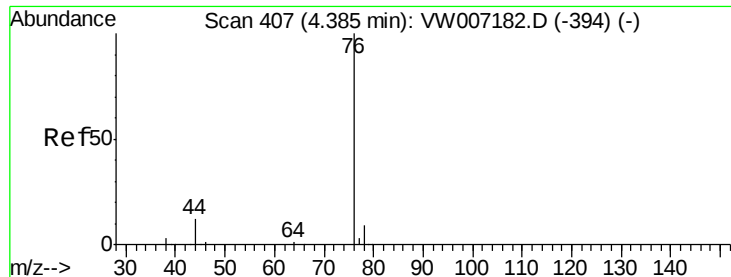


#16

Acetone
 Concen: 25.914 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW007207.D
 Acq: 05 Dec 2018 01:52

Tgt Ion: 43 Resp: 5382
 Ion Ratio Lower Upper
 43 100
 58 23.7 23.8 35.8#

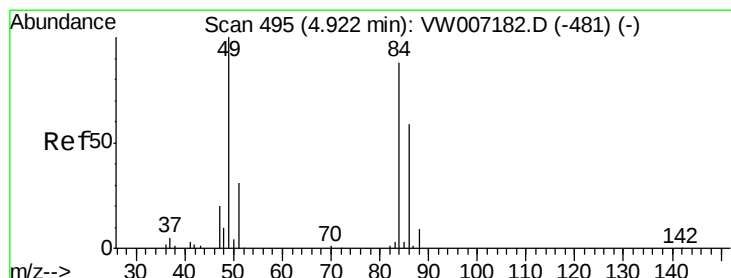
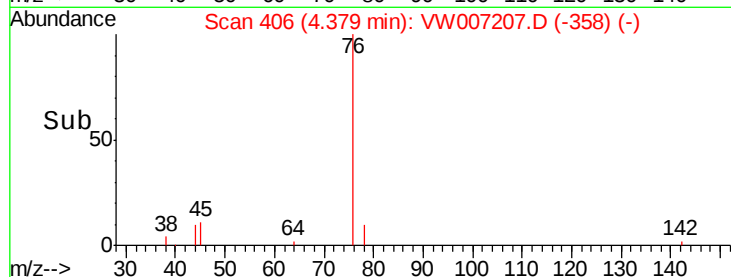
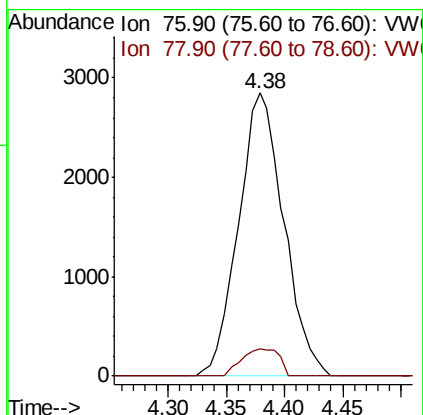
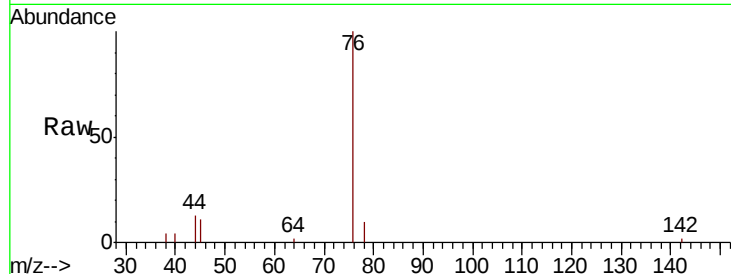




#17
Carbon Disulfide
Concen: 2.586 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

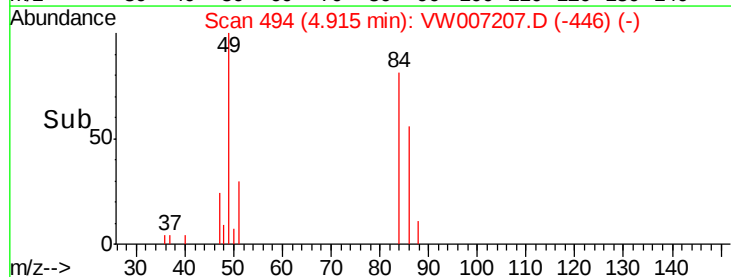
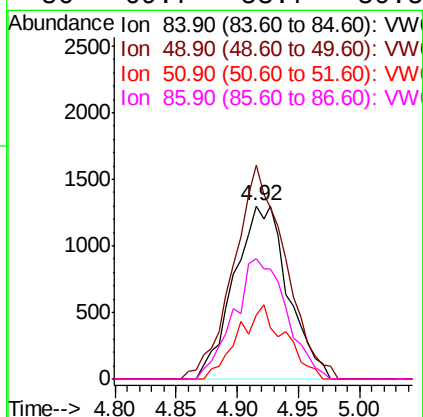
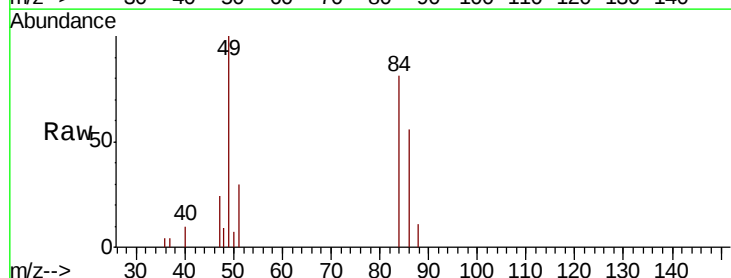
Instrument :
MSVOA_W
ClientSampleId :
RO-331RE

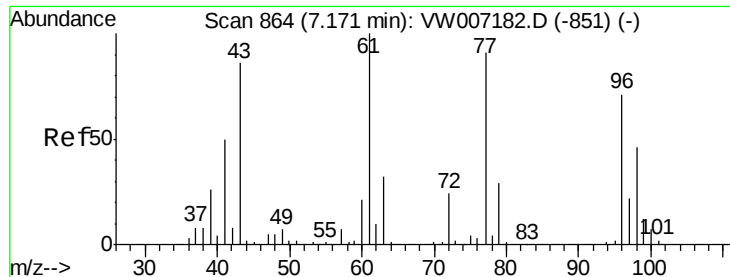
Tot Ion: 76 Resp: 7690
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Tgt Ion: 84 Resp: 3977
Ion Ratio Lower Upper
84 100
49 123.5 90.6 135.8
51 37.0 27.6 41.4
86 69.7 53.7 80.5





#25

2-Butanone

Concen: 1.649 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW007207.D

Acq: 05 Dec 2018 01:52

Instrument :

MSVOA_W

ClientSampled :

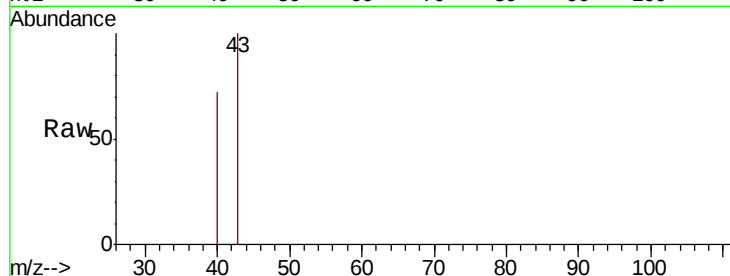
RO-331RE

Tot Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

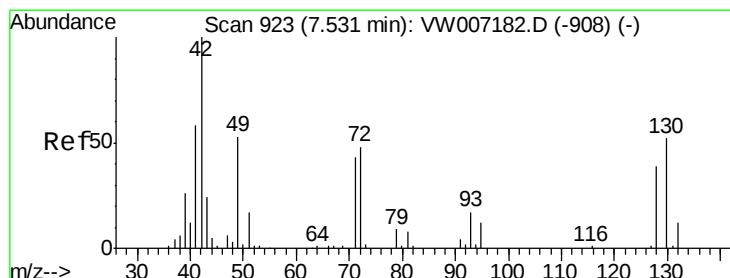
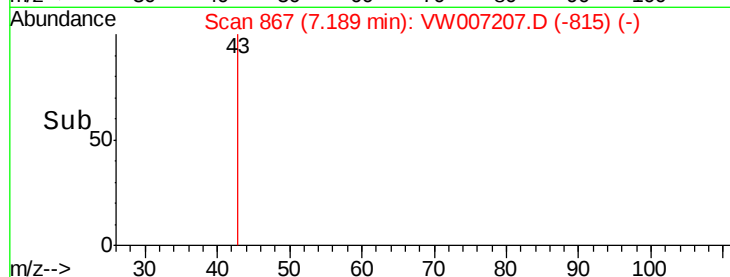
150

100

50

0

Time--> 7.10 7.15 7.20 7.25



#29

Tetrahydrofuran

Concen: 1.364 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW007207.D

Acq: 05 Dec 2018 01:52

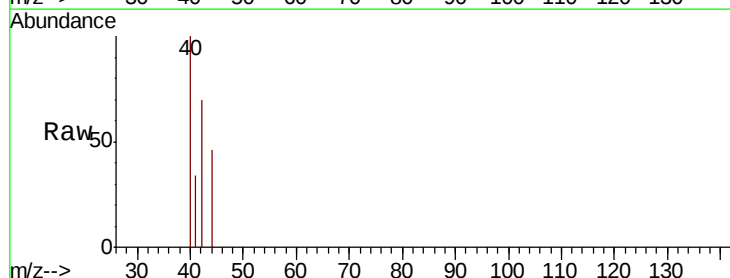
Tgt Ion: 42 Resp: 203

Ion Ratio Lower Upper

42 100

72 22.7 36.6 55.0#

71 0.0 34.8 52.2#



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

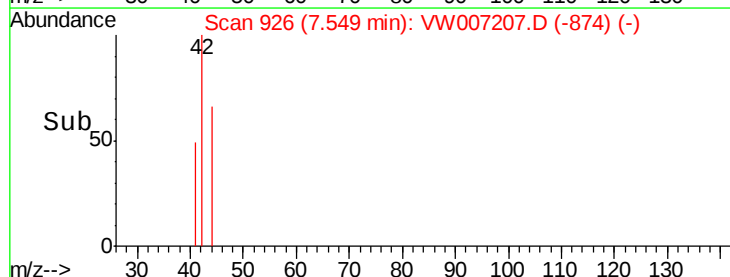
150

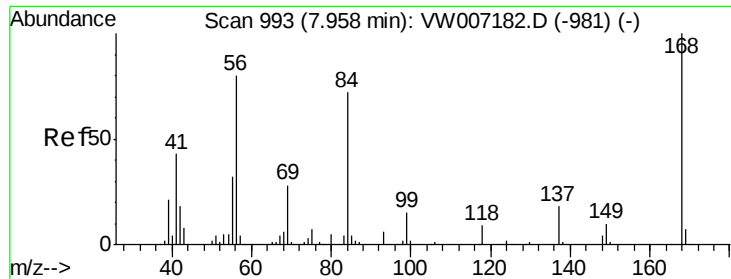
100

50

0

Time--> 7.50 7.55

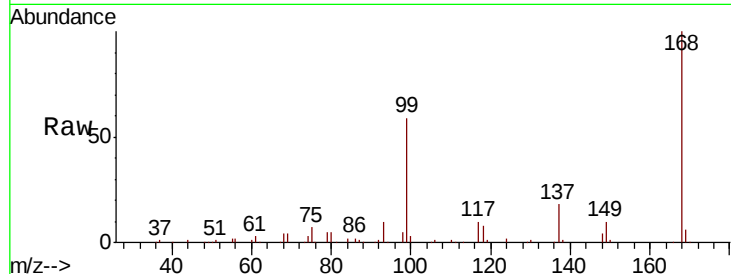




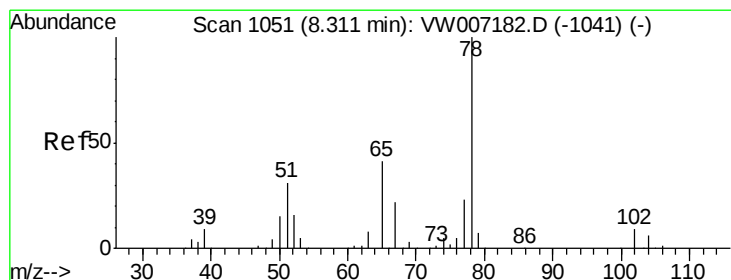
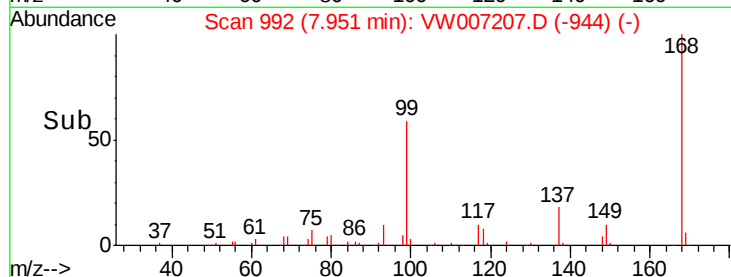
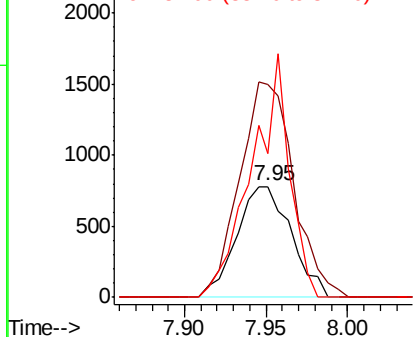
#31
Cyclohexane
Concen: 1.039 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Instrument :
MSVOA_W
ClientSampled :
RO-331RE

Tot Ion: 56 Resp: 1808
Ion Ratio Lower Upper
56 100
69 192.7 28.2 42.2#
84 129.7 72.1 108.1#

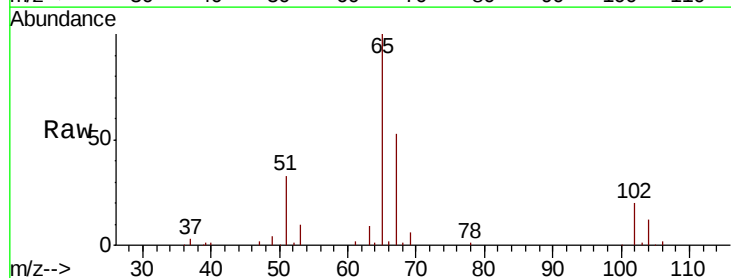


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

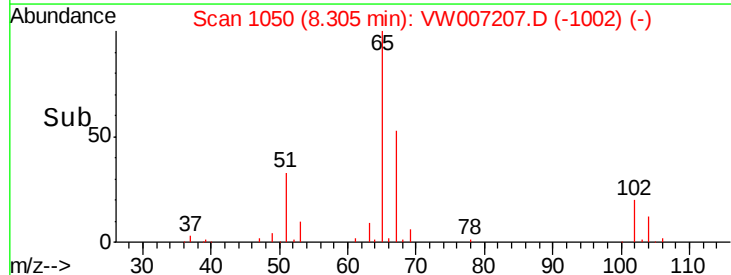
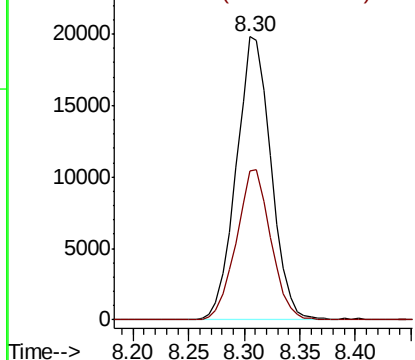


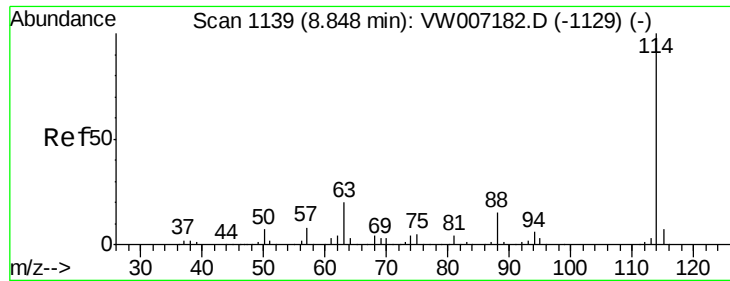
#33
1,2-Dichloroethane-d4
Concen: 48.860 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Tgt Ion: 65 Resp: 42865
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.4



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

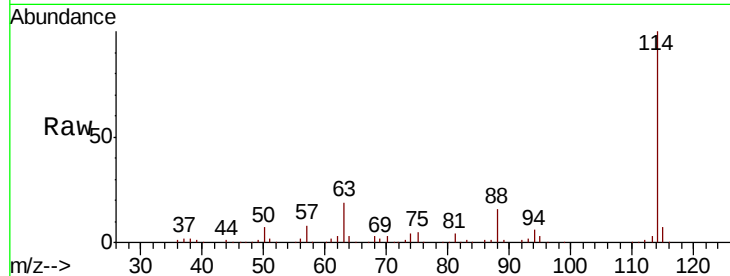




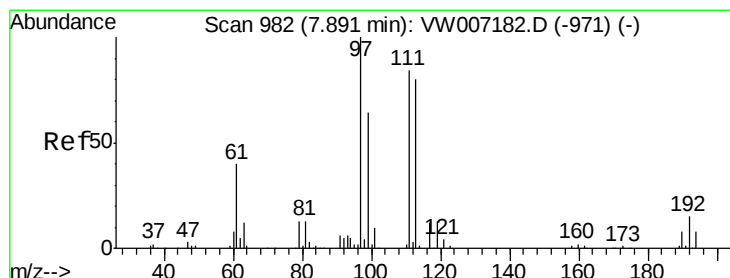
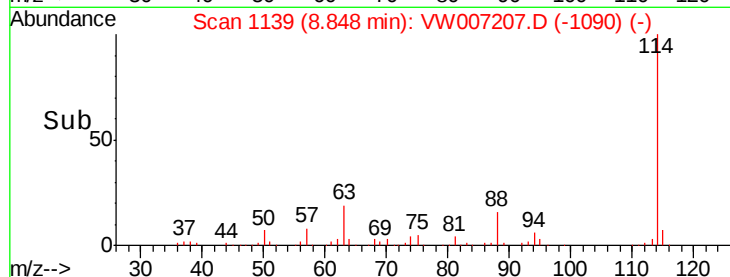
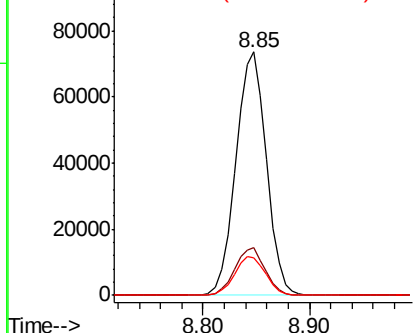
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Instrument :
MSVOA_W
ClientSampleId :
RO-331RE

Tot Ion:114 Resp: 147950
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.2
88 15.6 0.0 30.0

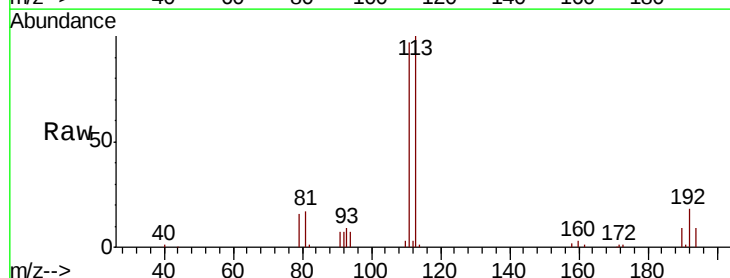


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

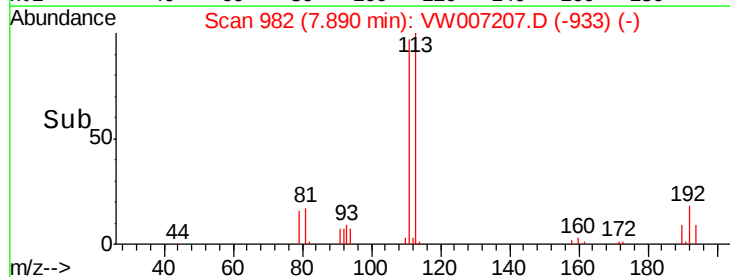
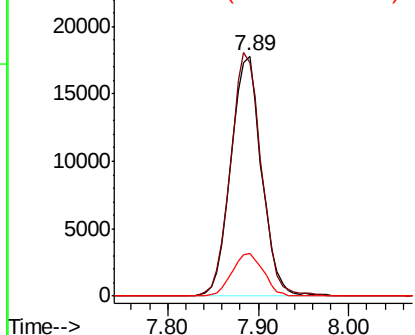


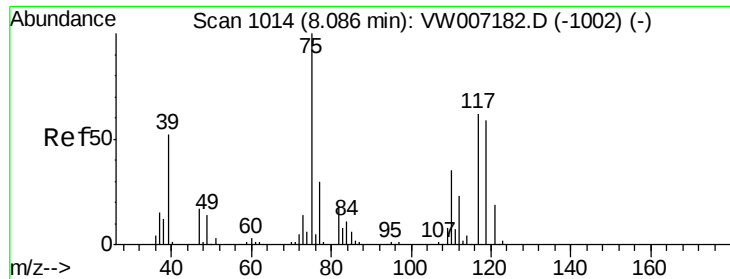
#35
Dibromofluoromethane
Concen: 49.389 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Tgt Ion:113 Resp: 41840
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 18.2 14.4 21.6



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

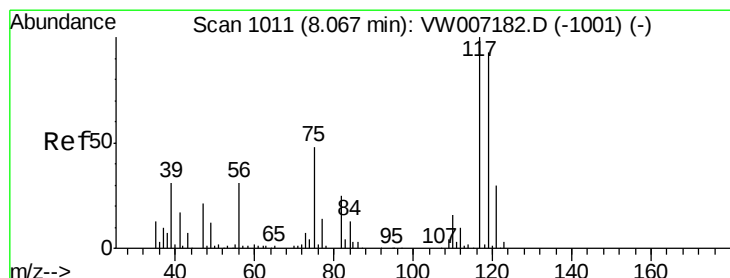
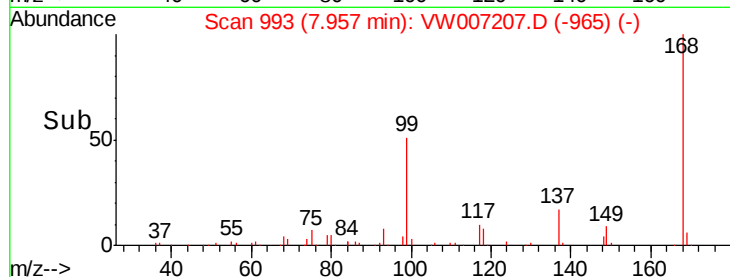
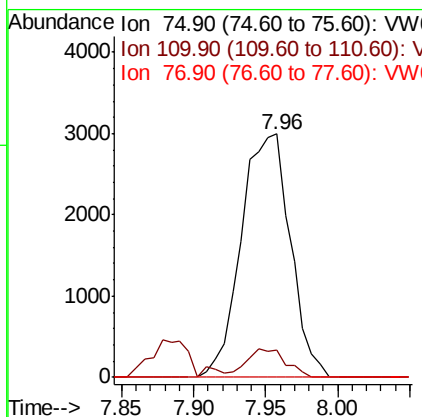
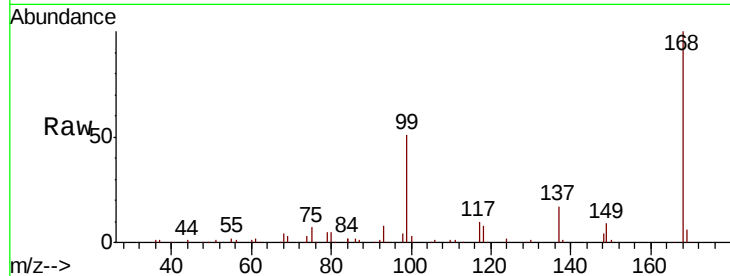




#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW007207.D
 Acq: 05 Dec 2018 01:52

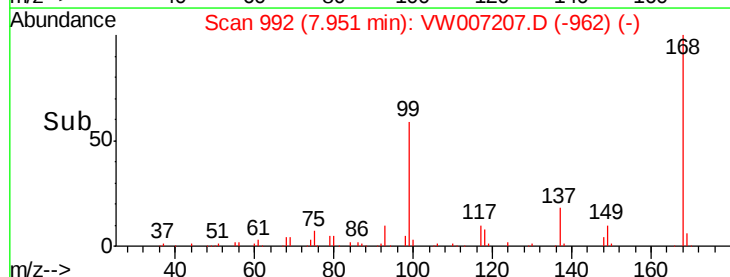
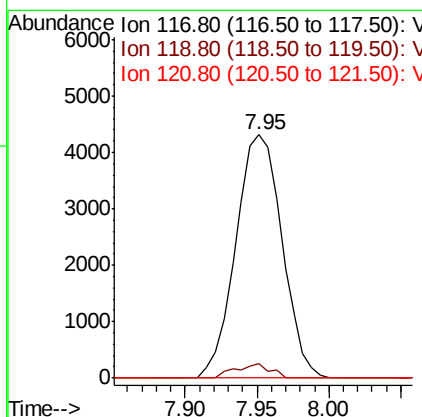
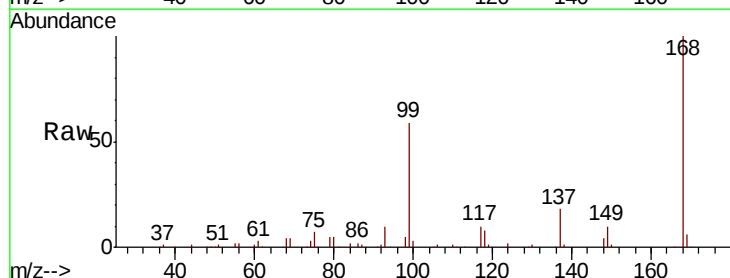
Instrument :
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 RO-331RE

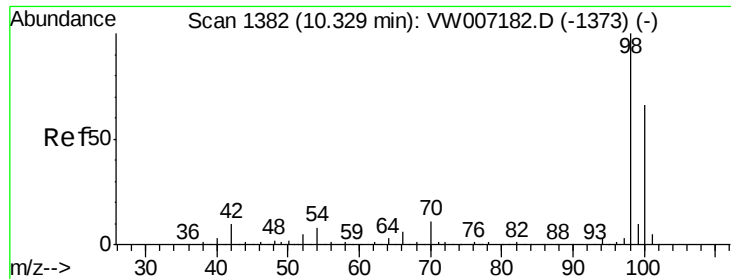
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.553 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007207.D
 Acq: 05 Dec 2018 01:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.1	111.1#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 42.545 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007207.D

Acq: 05 Dec 2018 01:52

Instrument :

MSVOA_W

ClientSampleId :

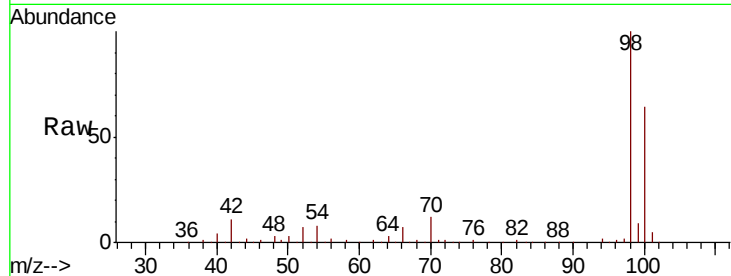
RO-331RE

Tot Ion: 98 Resp: 158764

Ion Ratio Lower Upper

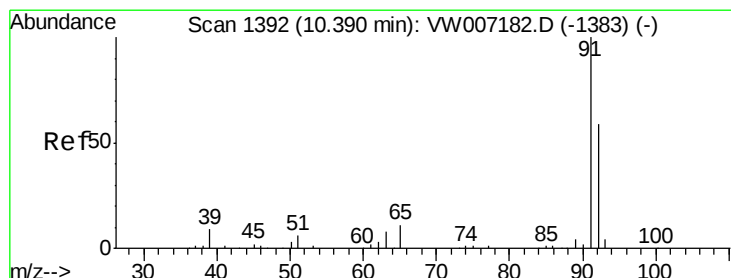
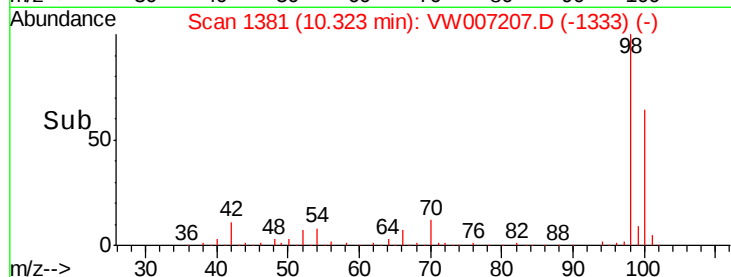
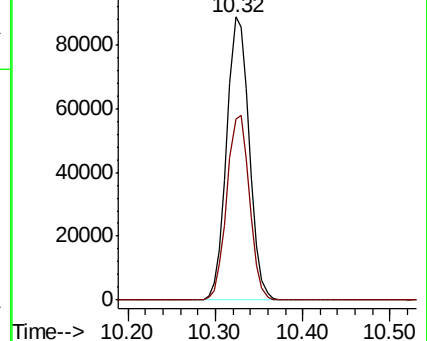
98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 2.102 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007207.D

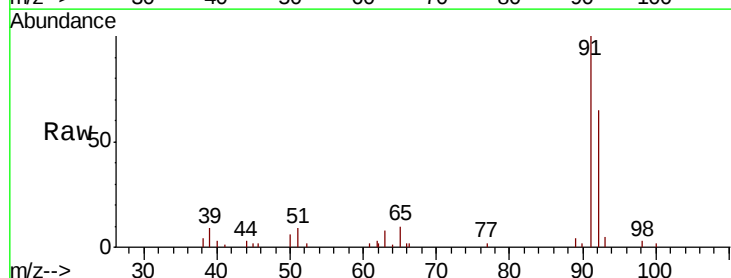
Acq: 05 Dec 2018 01:52

Tgt Ion: 92 Resp: 5771

Ion Ratio Lower Upper

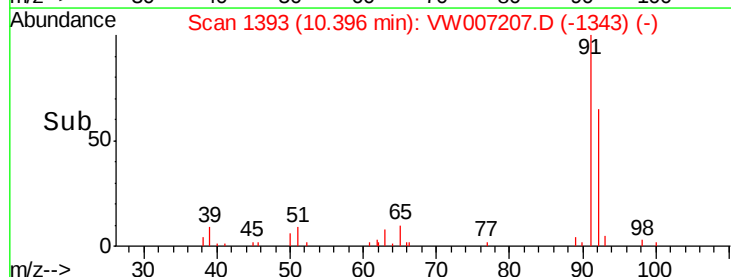
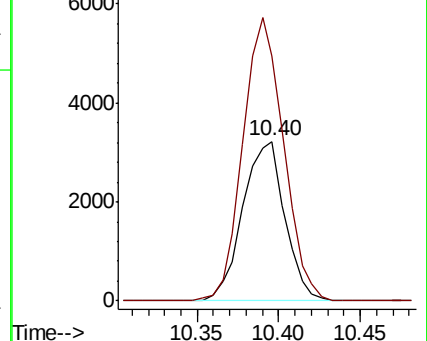
92 100

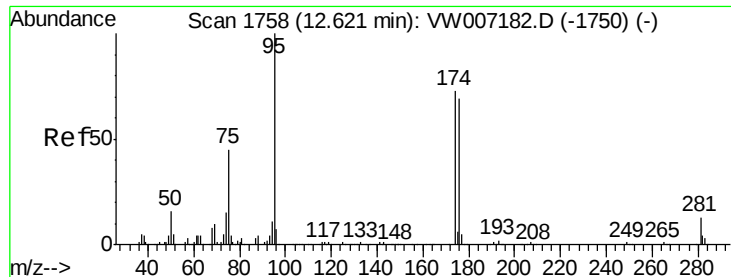
91 172.6 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

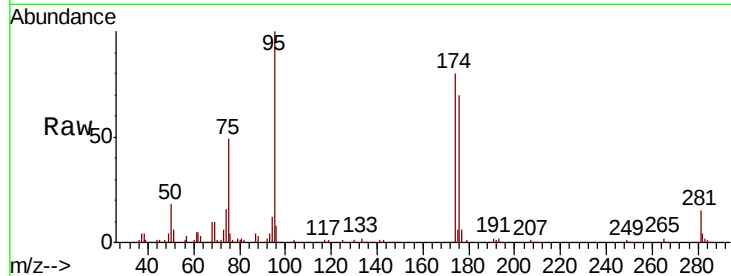




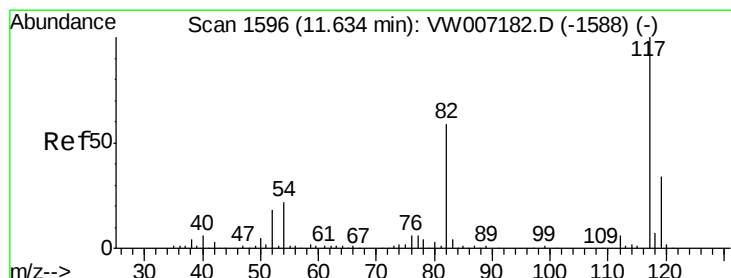
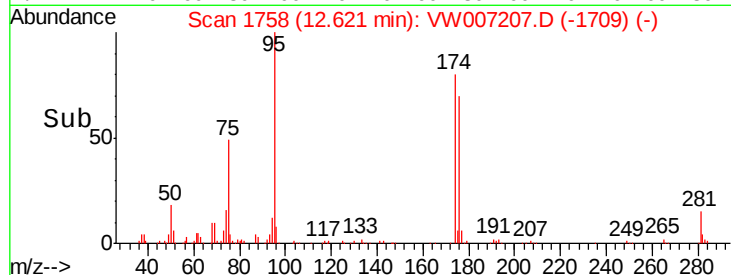
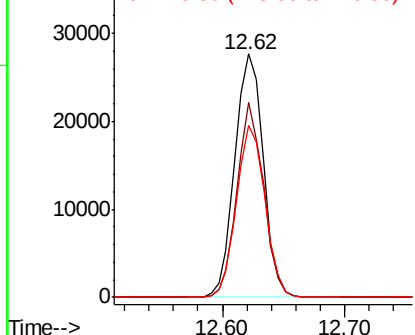
#62
4-Bromofluorobenzene
Concen: 31.594 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Instrument :
MSVOA_W
ClientSampleId :
RO-331RE

Tot Ion: 95 Resp: 44500
Ion Ratio Lower Upper
95 100
174 74.6 0.0 148.0
176 70.8 0.0 139.4

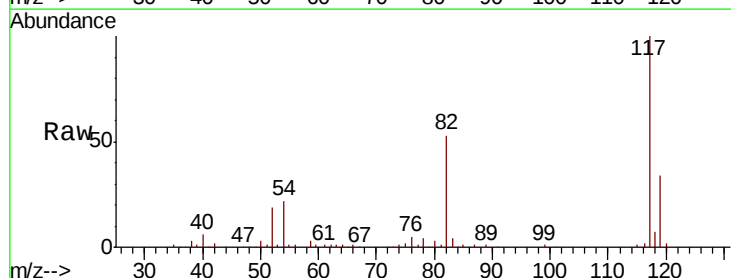


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

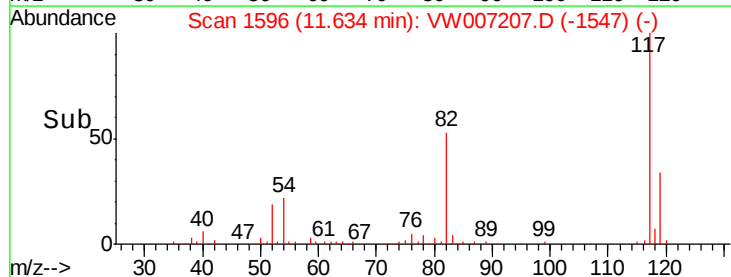
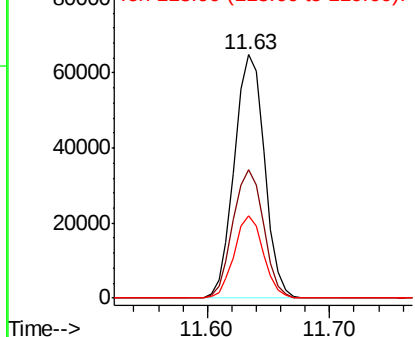


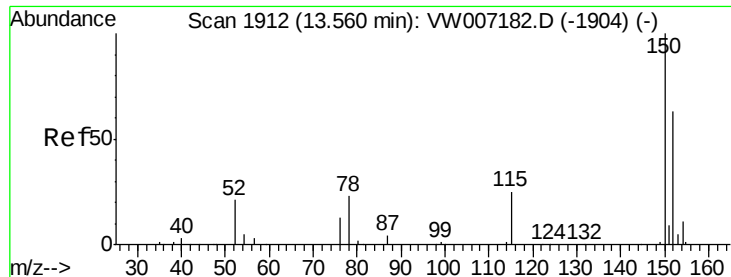
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007207.D
Acq: 05 Dec 2018 01:52

Tgt Ion: 117 Resp: 110929
Ion Ratio Lower Upper
117 100
82 52.7 47.4 71.2
119 33.8 26.8 40.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007207.D

Acq: 05 Dec 2018 01:52

Instrument :

MSVOA_W

ClientSampleId :

RO-331RE

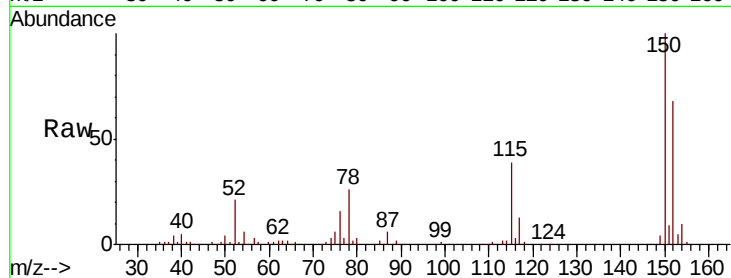
Tot Ion:152 Resp: 35424

Ion Ratio Lower Upper

152 100

115 58.4 31.3 93.8

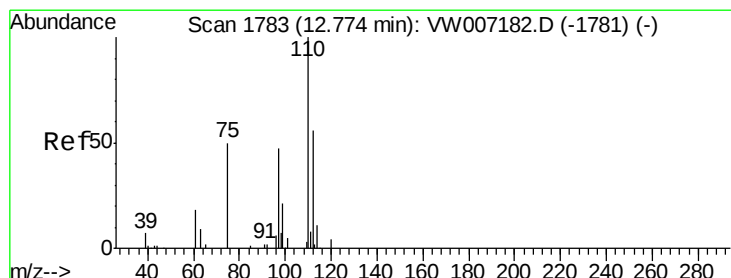
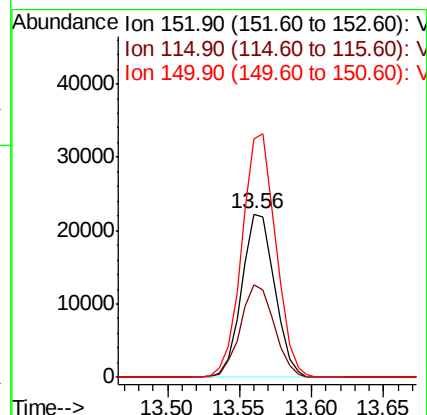
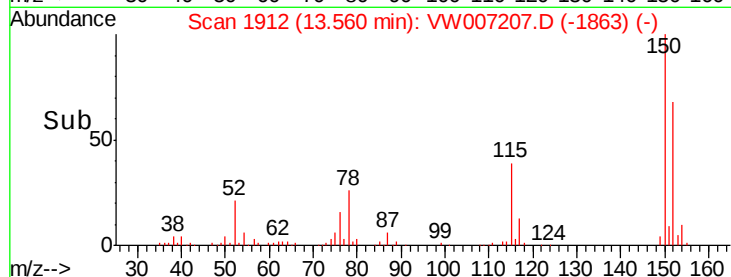
150 152.7 0.0 358.0



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: 41.419 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007207.D

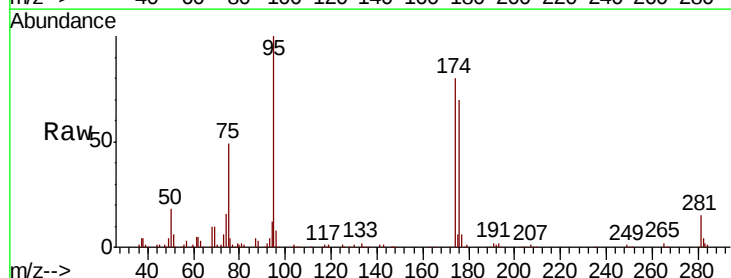
Acq: 05 Dec 2018 01:52

Tgt Ion: 75 Resp: 22049

Ion Ratio Lower Upper

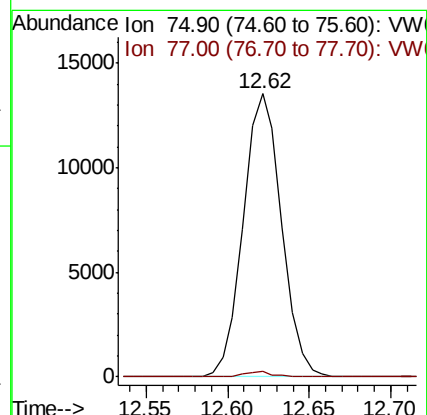
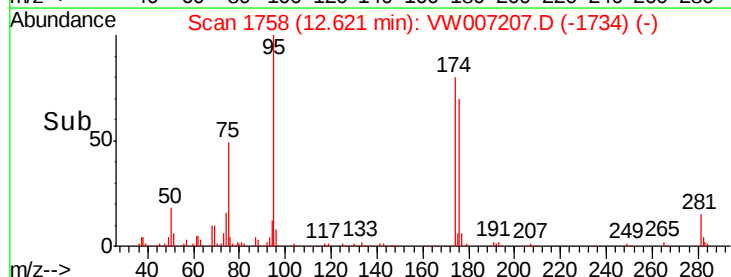
75 100

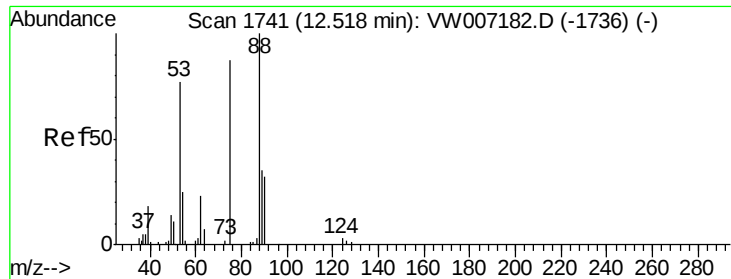
77 1.3 0.0 0.0#



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: 173.259 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007207.D

Acq: 05 Dec 2018 01:52

Instrument :

MSVOA_W

ClientSampleId :

RO-331RE

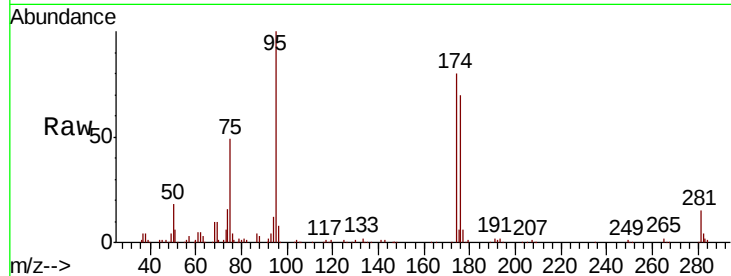
Tot Ion: 75 Resp: 22049

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#



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

