

Data File : VW006836.D
Acq On : 13 Nov 2018 05:43
Operator : SY/AP
Sample : J5860-08
Misc : 5.46G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-107(14-16)

Quant Time: Nov 13 07:17:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	365958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	522272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	498611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	263407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136862	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.89	113	137627	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
50) Toluene-d8	10.33	98	532227	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	
62) 4-Bromofluorobenzene	12.62	95	192313	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

Target Compounds

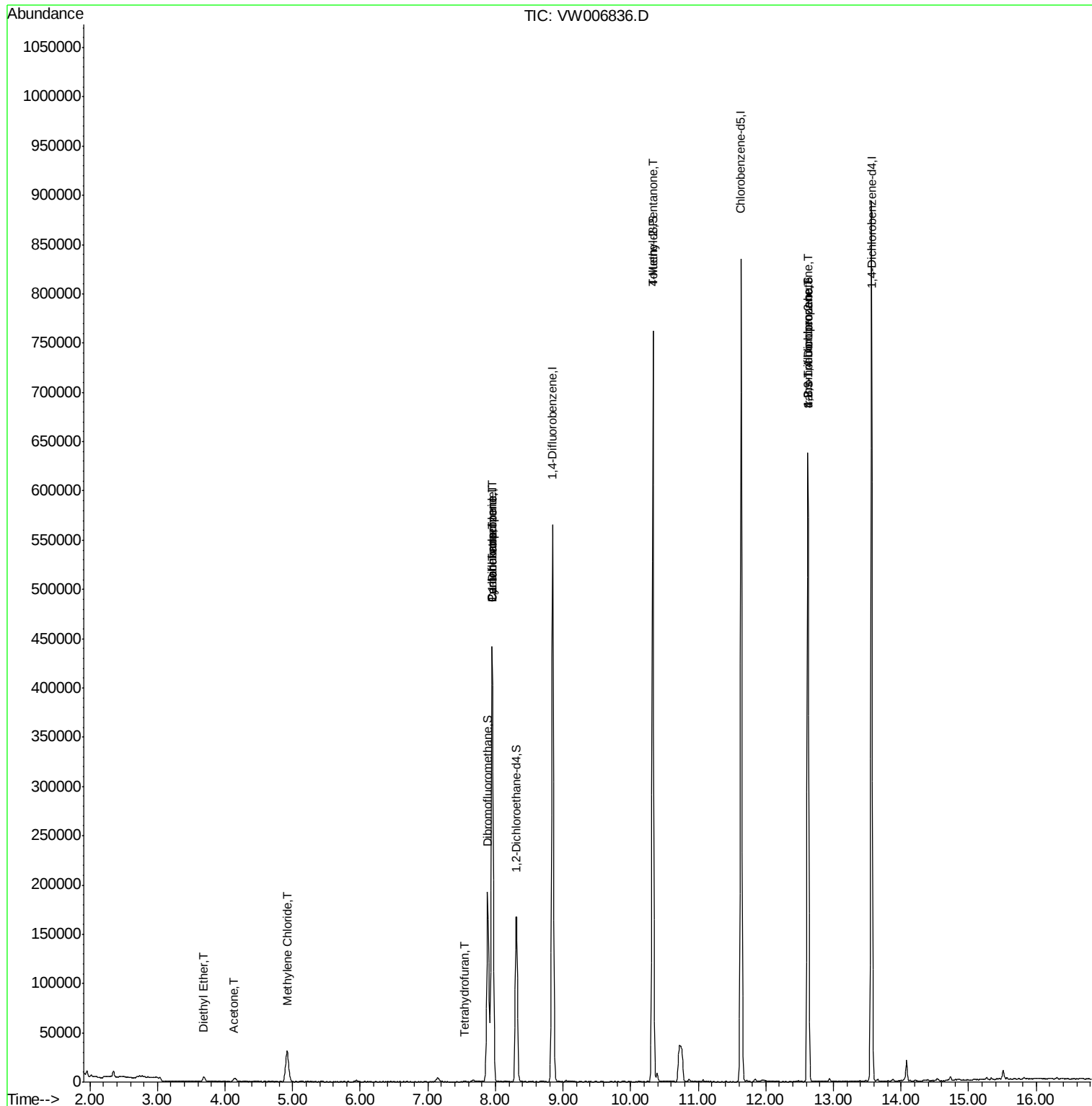
						Qvalue
8) Diethyl Ether	3.68	74	2731	1.928	ug/l	95
16) Acetone	4.14	43	7817	20.346	ug/l	91
20) Methylene Chloride	4.92	84	26925	2.789	ug/l	96
29) Tetrahydrofuran	7.56	42	420	1.010	ug/l #	62
31) Cyclohexane	7.95	56	5791	1.130	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	21961	4.493	ug/l #	48
38) Carbon Tetrachloride	7.95	117	31335	5.899	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1838	1.179	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	91582	48.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91582	119.337	ug/l #	13

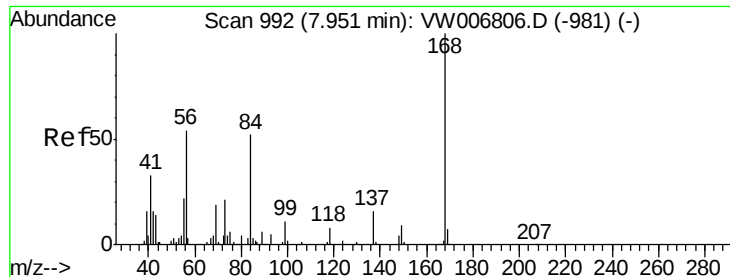
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW006836.D

Acq: 13 Nov 2018 05:43

Instrument :

MSVOA_W

ClientSampleId :

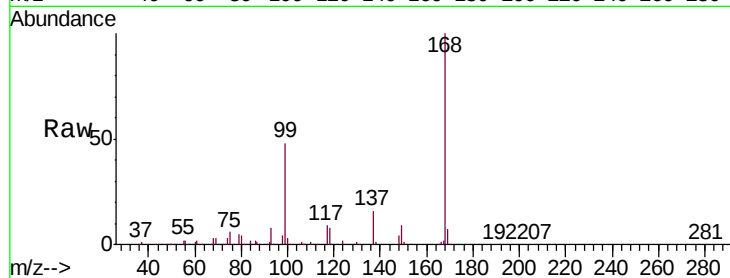
EP2-SB-107(14-16)

Tgt Ion:168 Resp: 365958

Ion Ratio Lower Upper

168 100

99 47.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

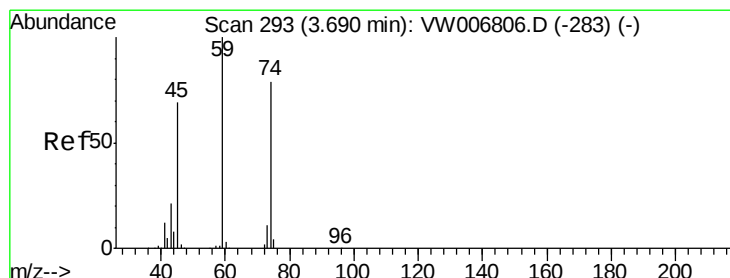
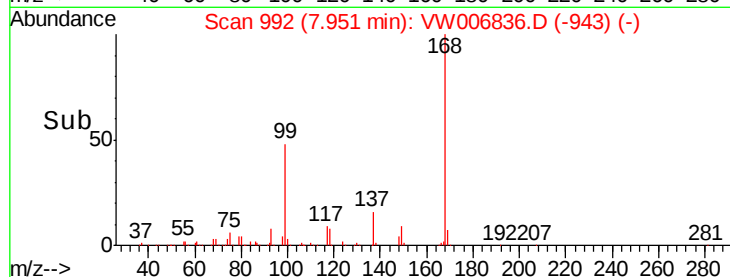
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.928 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW006836.D

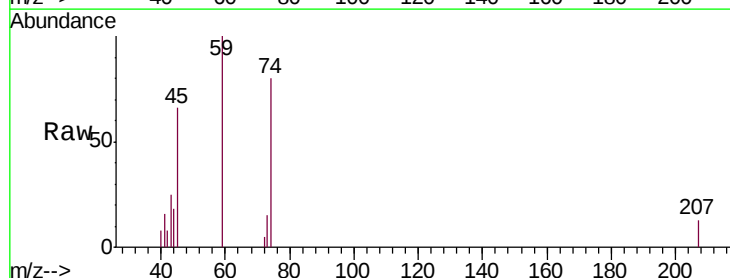
Acq: 13 Nov 2018 05:43

Tgt Ion: 74 Resp: 2731

Ion Ratio Lower Upper

74 100

45 90.7 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

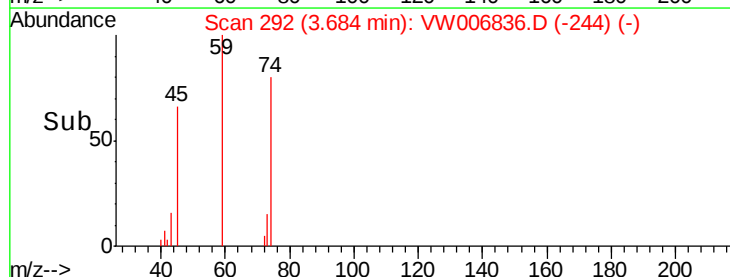
3.68

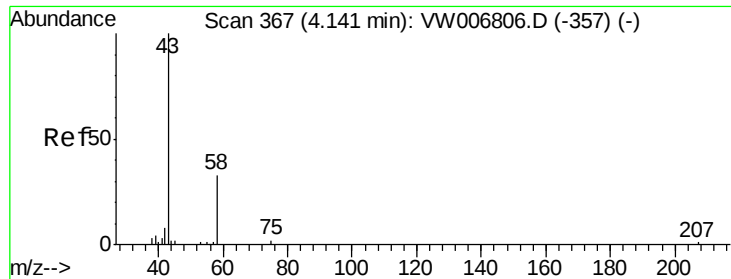
1000

500

0

Time-->

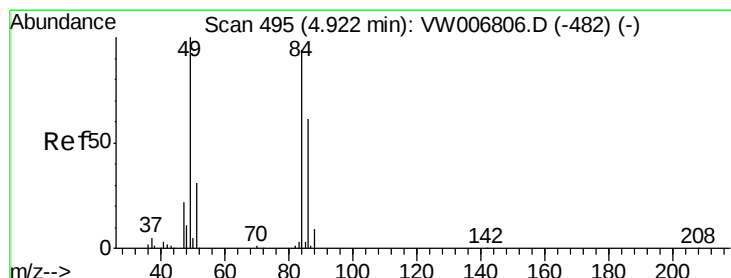
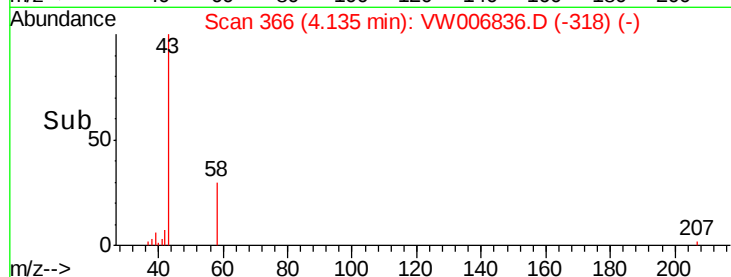
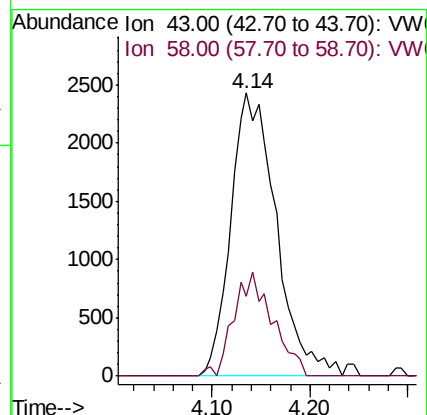
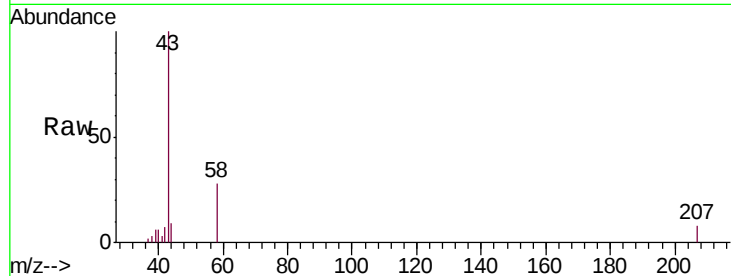




#16
Acetone
Concen: 20.346 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW006836.D
Acq: 13 Nov 2018 05:43

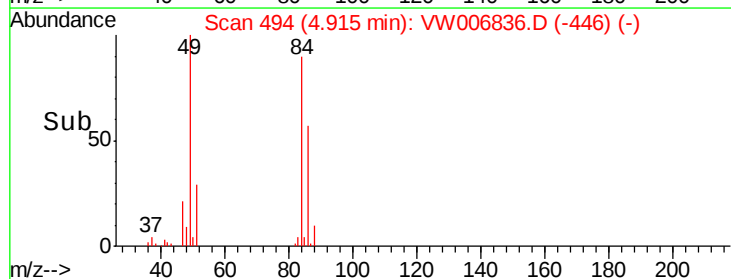
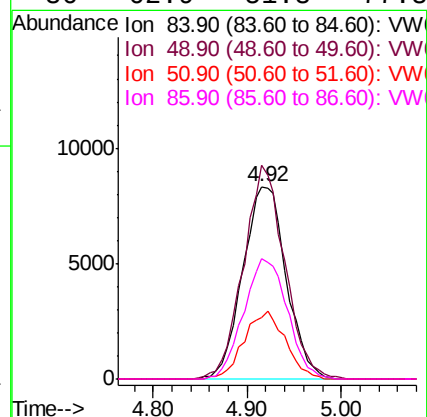
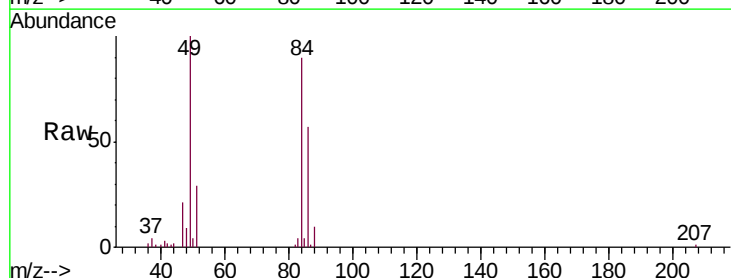
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-107(14-16)

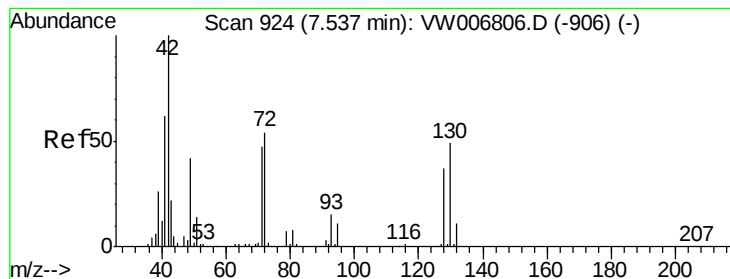
Tgt Ion: 43 Resp: 7817
Ion Ratio Lower Upper
43 100
58 28.2 26.5 39.7



#20
Methylene Chloride
Concen: 2.789 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW006836.D
Acq: 13 Nov 2018 05:43

Tgt Ion: 84 Resp: 26925
Ion Ratio Lower Upper
84 100
49 111.2 84.8 127.2
51 32.0 26.2 39.4
86 62.9 51.8 77.8





#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW006836.D

Acq: 13 Nov 2018 05:43

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-107(14-16)

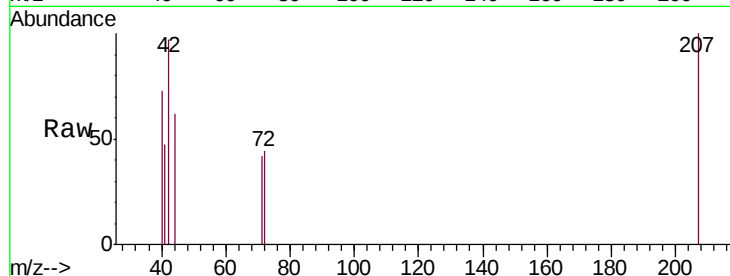
Tgt Ion: 42 Resp: 420

Ion Ratio Lower Upper

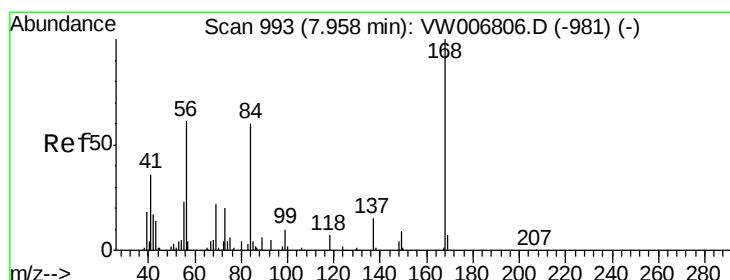
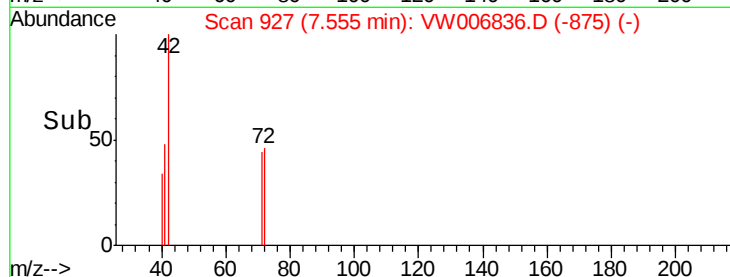
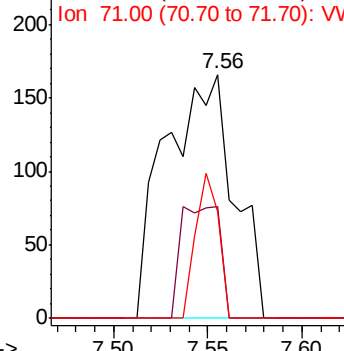
42 100

72 26.0 40.9 61.3#

71 19.8 36.9 55.3#



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: 1.130 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006836.D

Acq: 13 Nov 2018 05:43

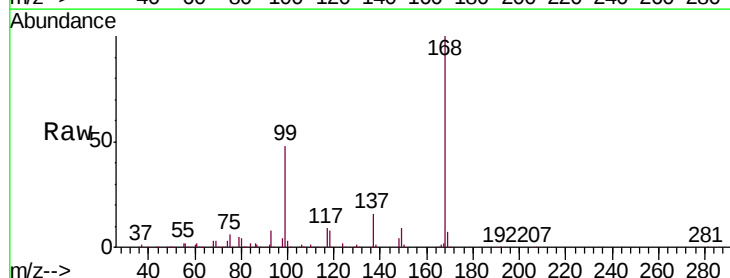
Tgt Ion: 56 Resp: 5791

Ion Ratio Lower Upper

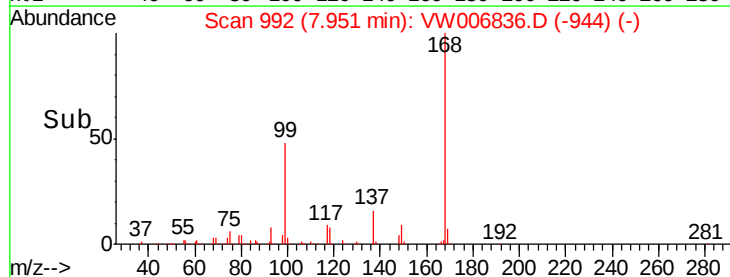
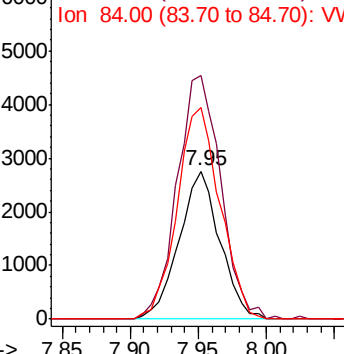
56 100

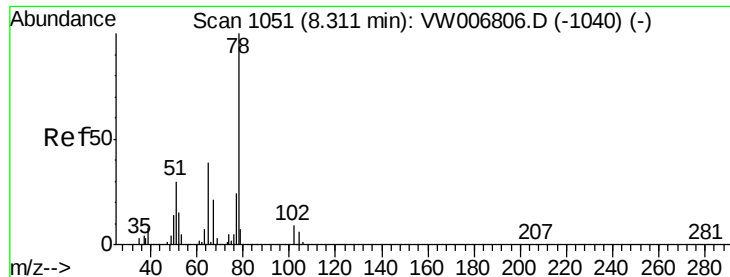
69 164.8 28.9 43.3#

84 143.3 79.0 118.4#



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: 51.159 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006836.D

Acq: 13 Nov 2018 05:43

Instrument :

MSVOA_W

ClientSampleId :

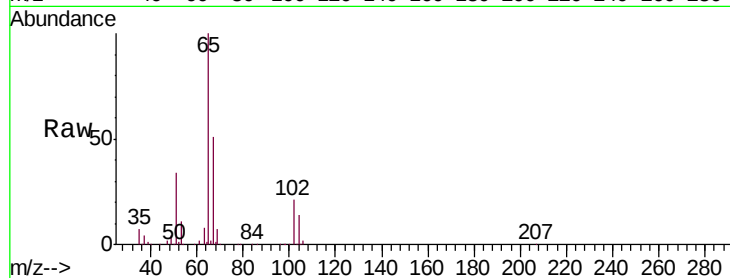
EP2-SB-107(14-16)

Tgt Ion: 65 Resp: 136862

Ion Ratio Lower Upper

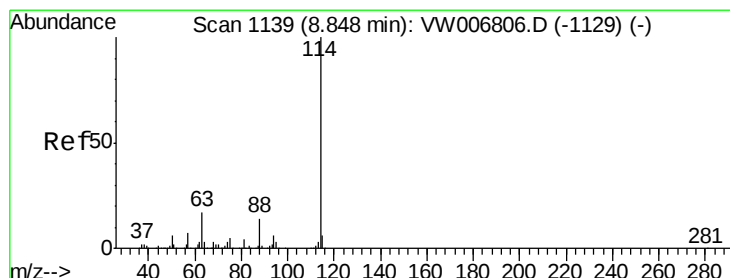
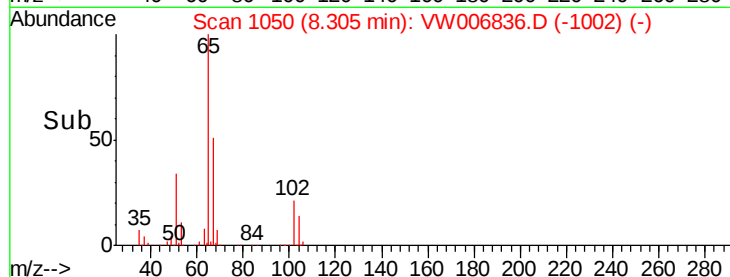
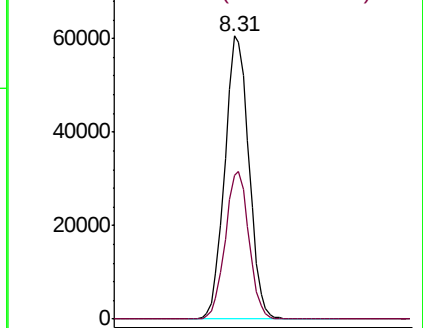
65 100

67 51.3 0.0 104.4



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: VW006836.D

Acq: 13 Nov 2018 05:43

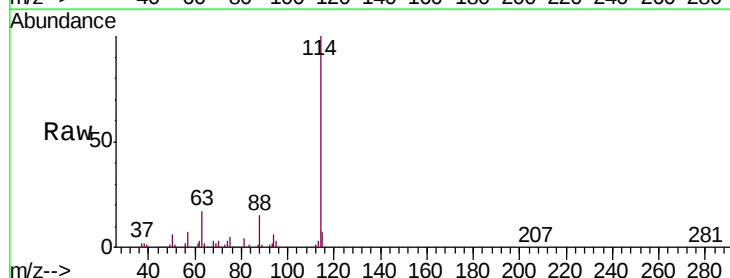
Tgt Ion: 114 Resp: 522272

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

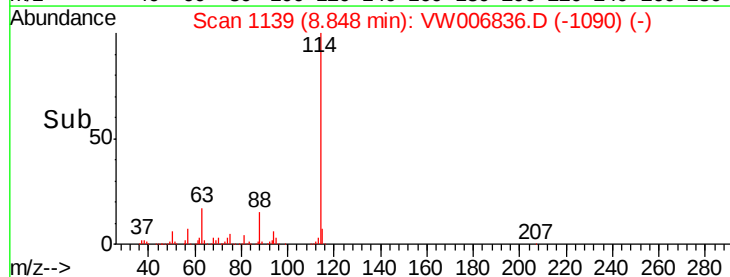
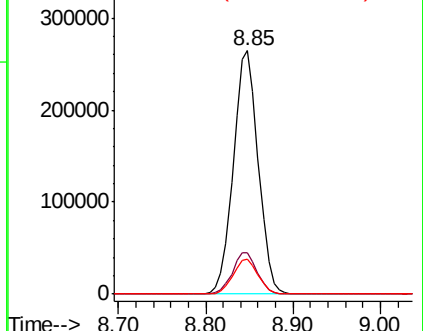
88 14.5 0.0 28.4

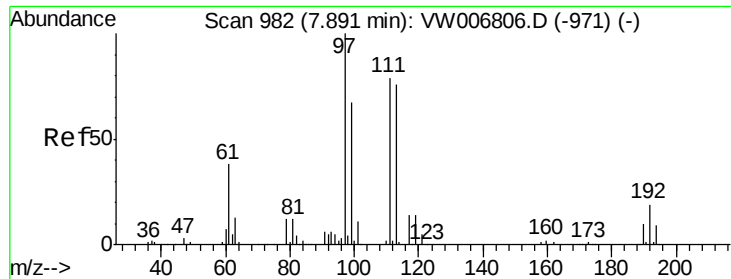


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

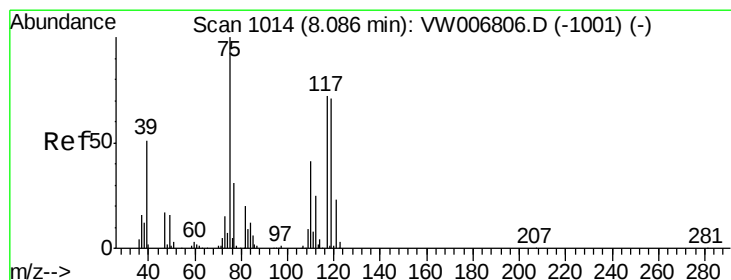
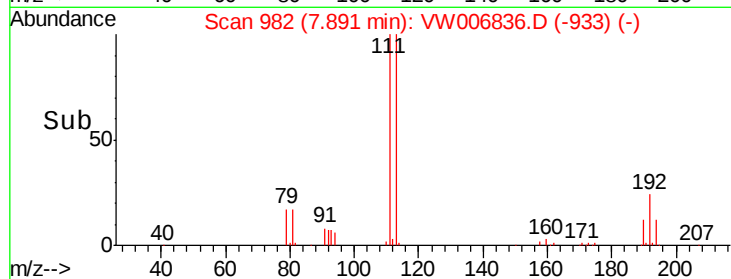
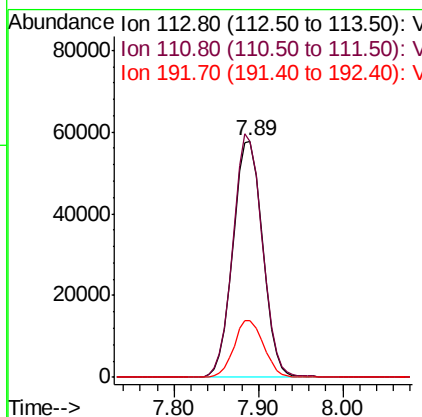
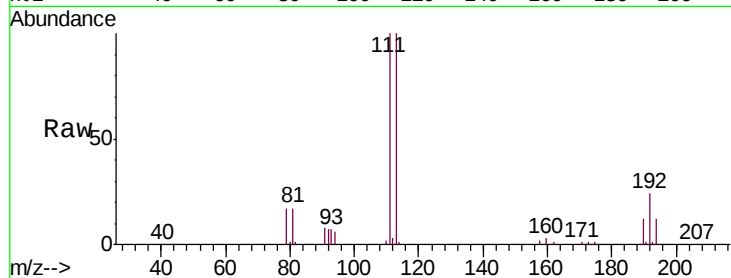




#35
 Dibromofluoromethane
 Concen: 44.253 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006836.D
 Acq: 13 Nov 2018 05:43

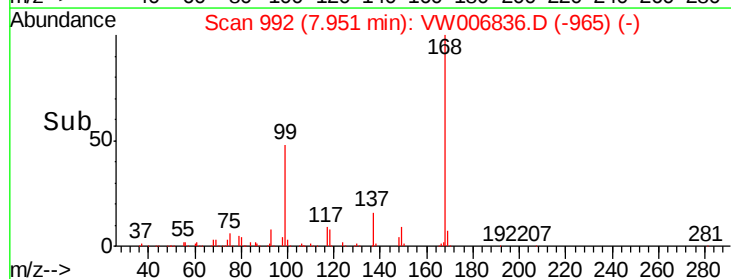
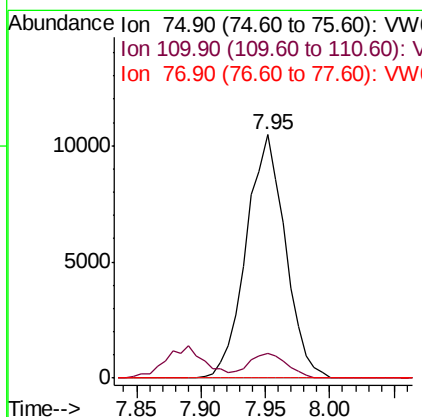
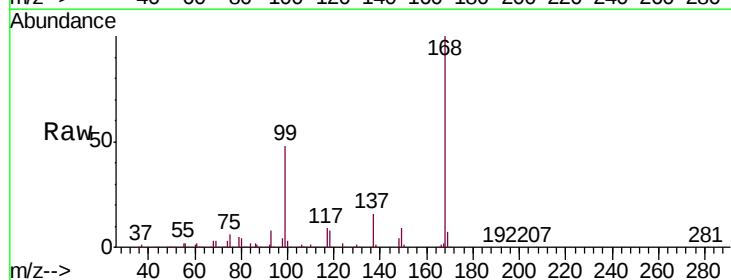
Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-107(14-16)

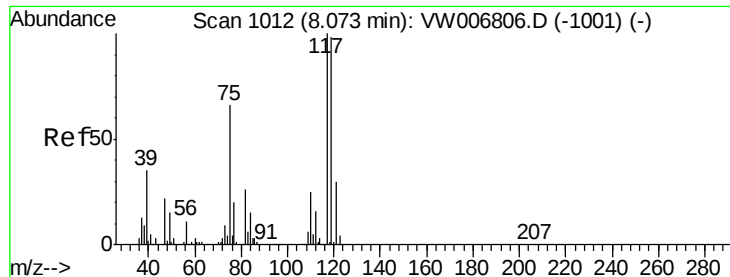
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.0	121.6
192	24.0	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006836.D
 Acq: 13 Nov 2018 05:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.9	59.6#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006836.D

Acq: 13 Nov 2018 05:43

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-107(14-16)

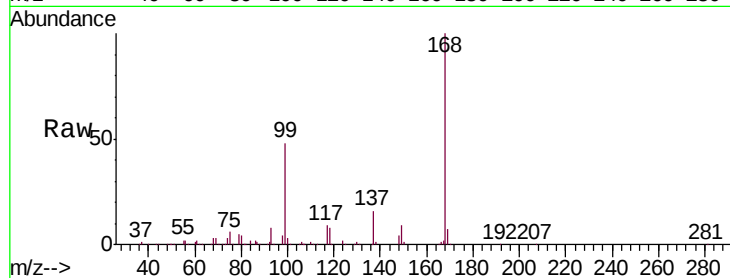
Tgt Ion:117 Resp: 31335

Ion Ratio Lower Upper

117 100

119 5.7 78.5 117.7#

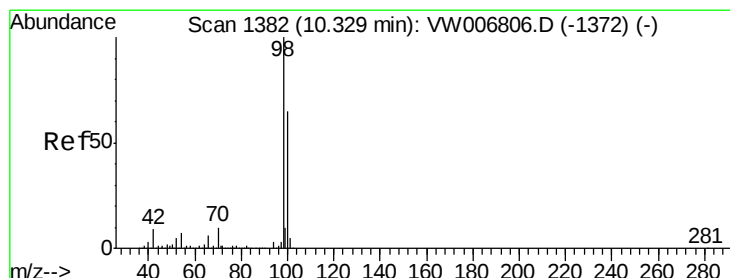
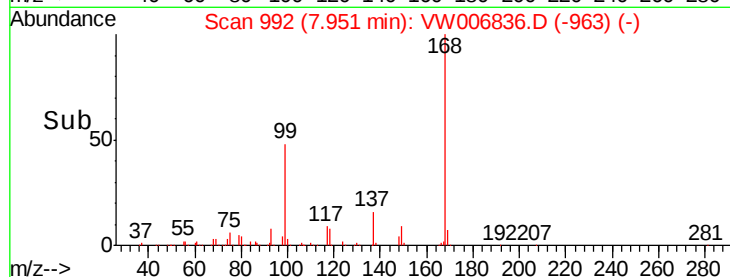
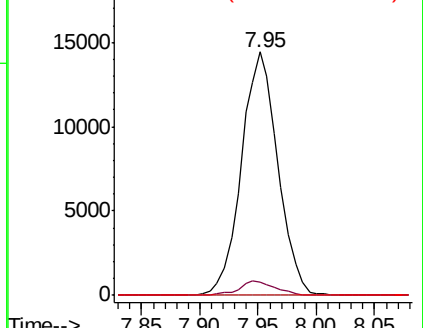
121 0.0 24.2 36.2#



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: 41.289 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006836.D

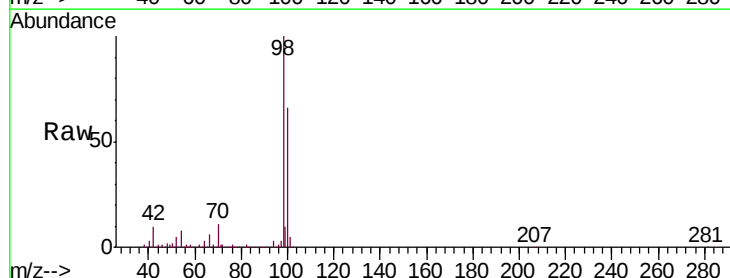
Acq: 13 Nov 2018 05:43

Tgt Ion: 98 Resp: 532227

Ion Ratio Lower Upper

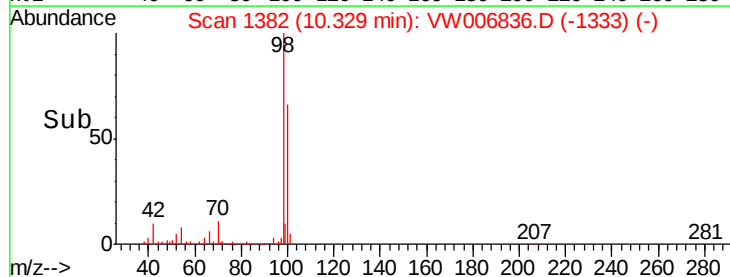
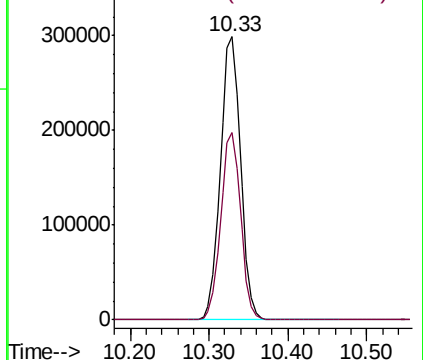
98 100

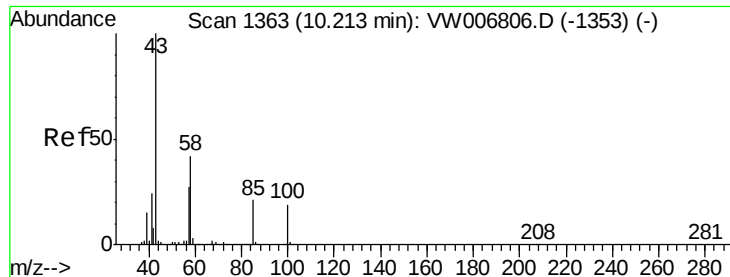
100 65.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.179 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006836.D

Acq: 13 Nov 2018 05:43

Instrument :

MSVOA_W

ClientSampleId :

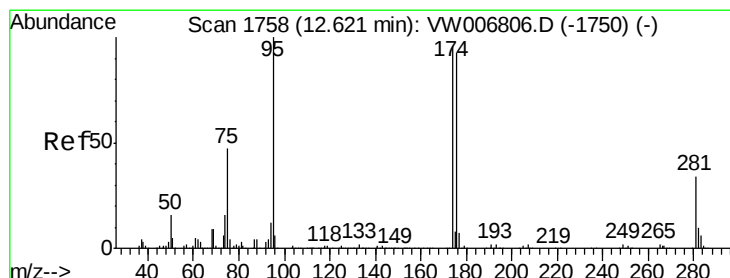
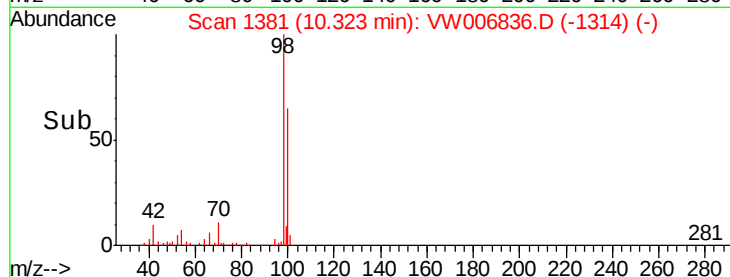
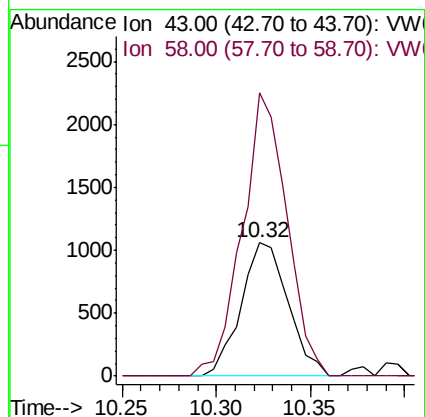
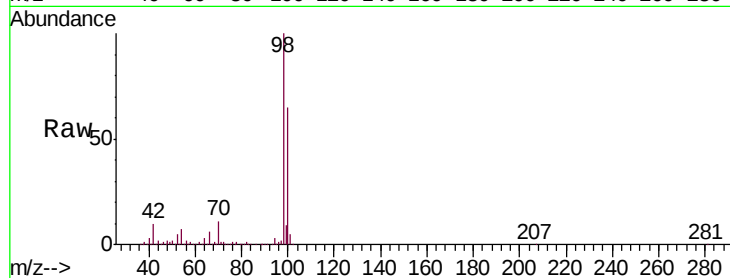
EP2-SB-107(14-16)

Tgt Ion: 43 Resp: 1838

Ion Ratio Lower Upper

43 100

58 200.9 34.0 51.0#



#62

4-Bromofluorobenzene

Concen: 40.507 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006836.D

Acq: 13 Nov 2018 05:43

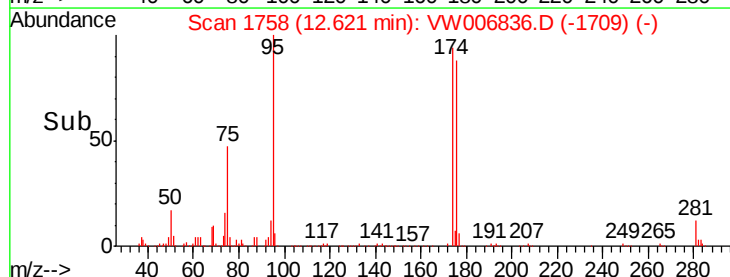
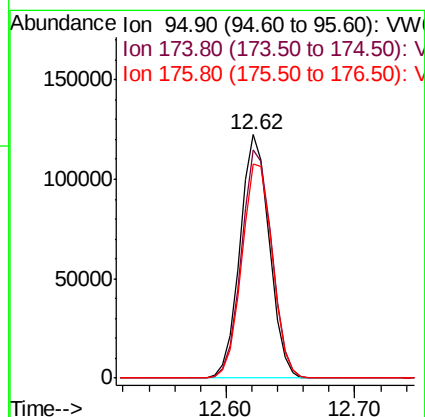
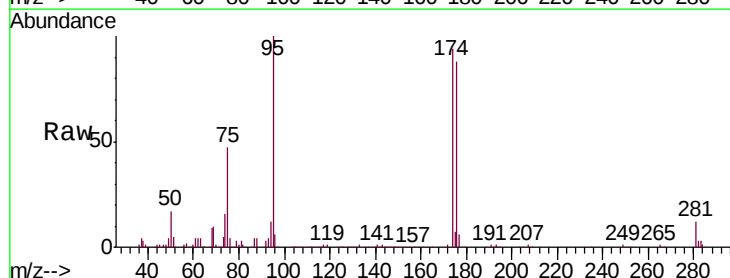
Tgt Ion: 95 Resp: 192313

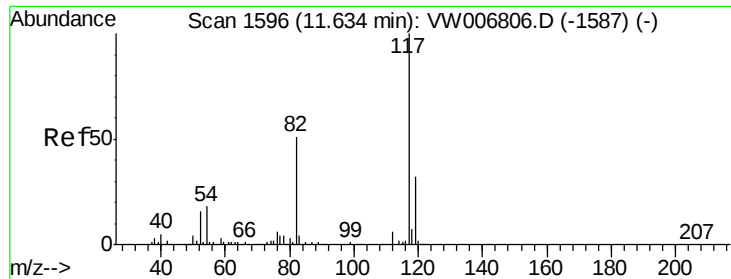
Ion Ratio Lower Upper

95 100

174 96.7 0.0 196.6

176 91.6 0.0 191.6

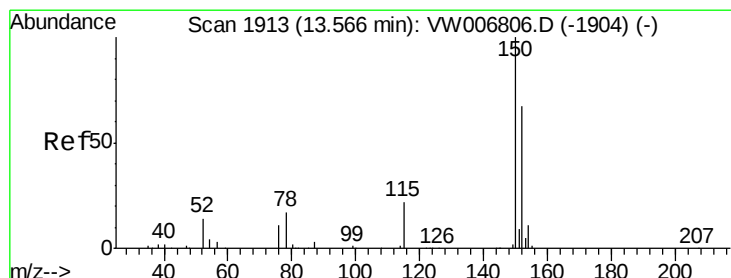
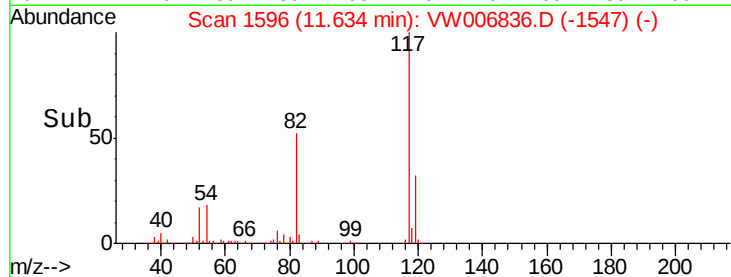
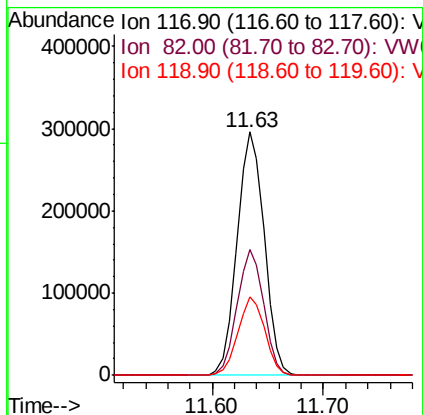
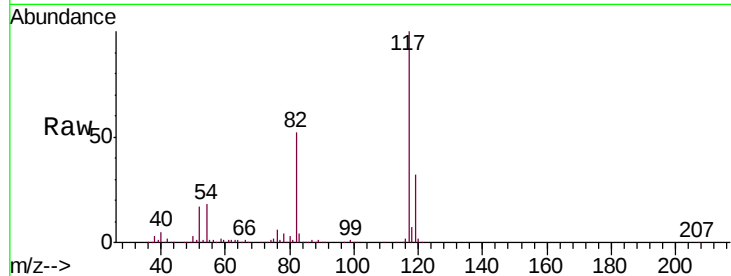




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006836.D
Acq: 13 Nov 2018 05:43

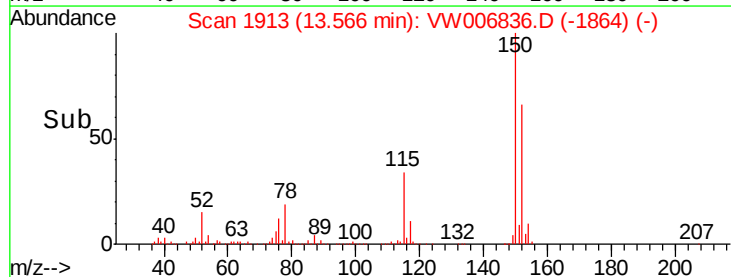
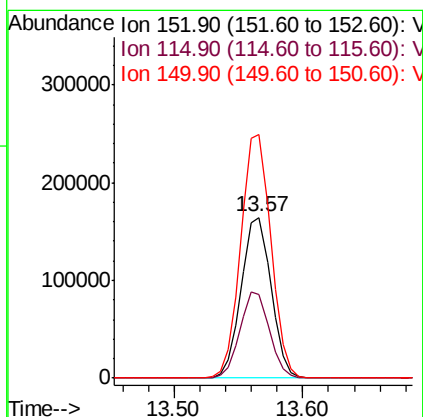
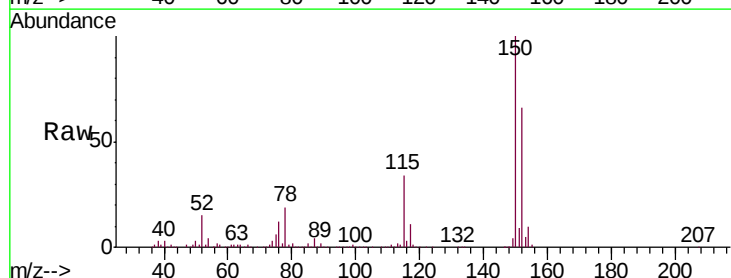
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-107(14-16)

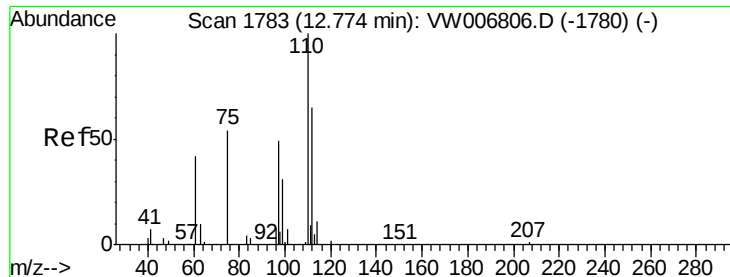
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	40.6	61.0
119	32.1	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006836.D
Acq: 13 Nov 2018 05:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.7	27.3	81.8
150	152.6	0.0	353.0

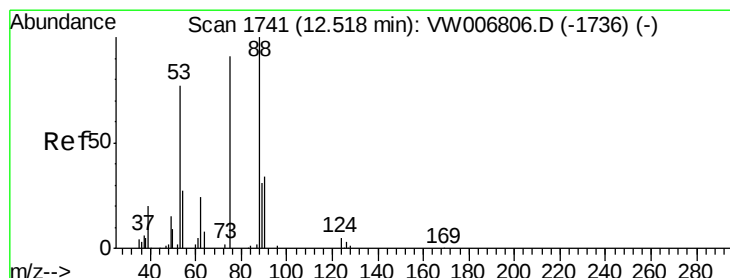
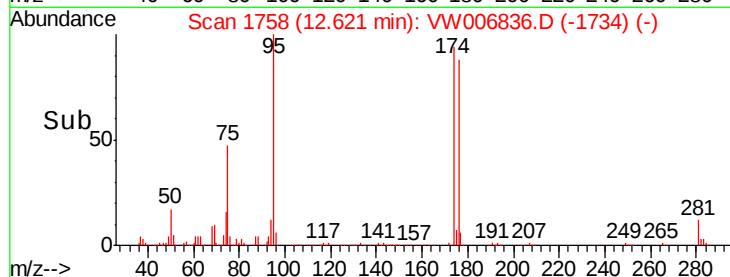
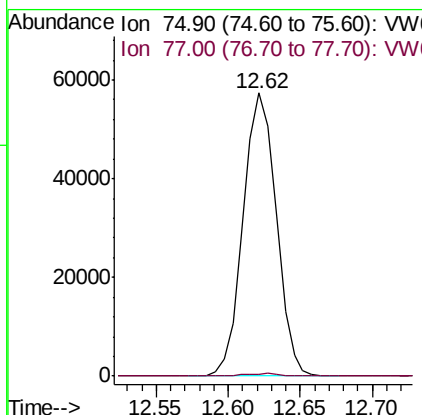
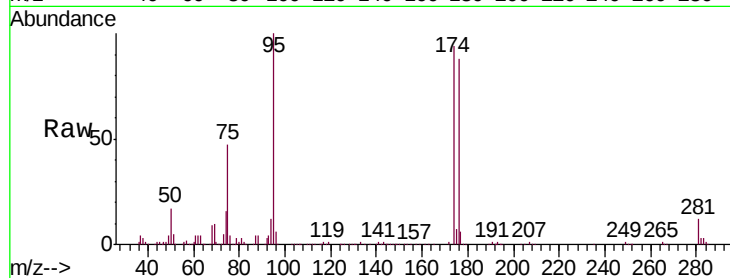




#76
 1,2,3-Trichloropropane
 Concen: 48.245 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006836.D
 Acq: 13 Nov 2018 05:43

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-107(14-16)

Tgt Ion: 75 Resp: 91582
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.337 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006836.D
 Acq: 13 Nov 2018 05:43

Tgt Ion: 75 Resp: 91582
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 38.7 58.1#

