

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007068.D
 Acq On : 27 Nov 2018 02:11
 Operator : VAY/AP
 Sample : J5774-05
 Misc : 5.51G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-A

Quant Time: Nov 27 05:31:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

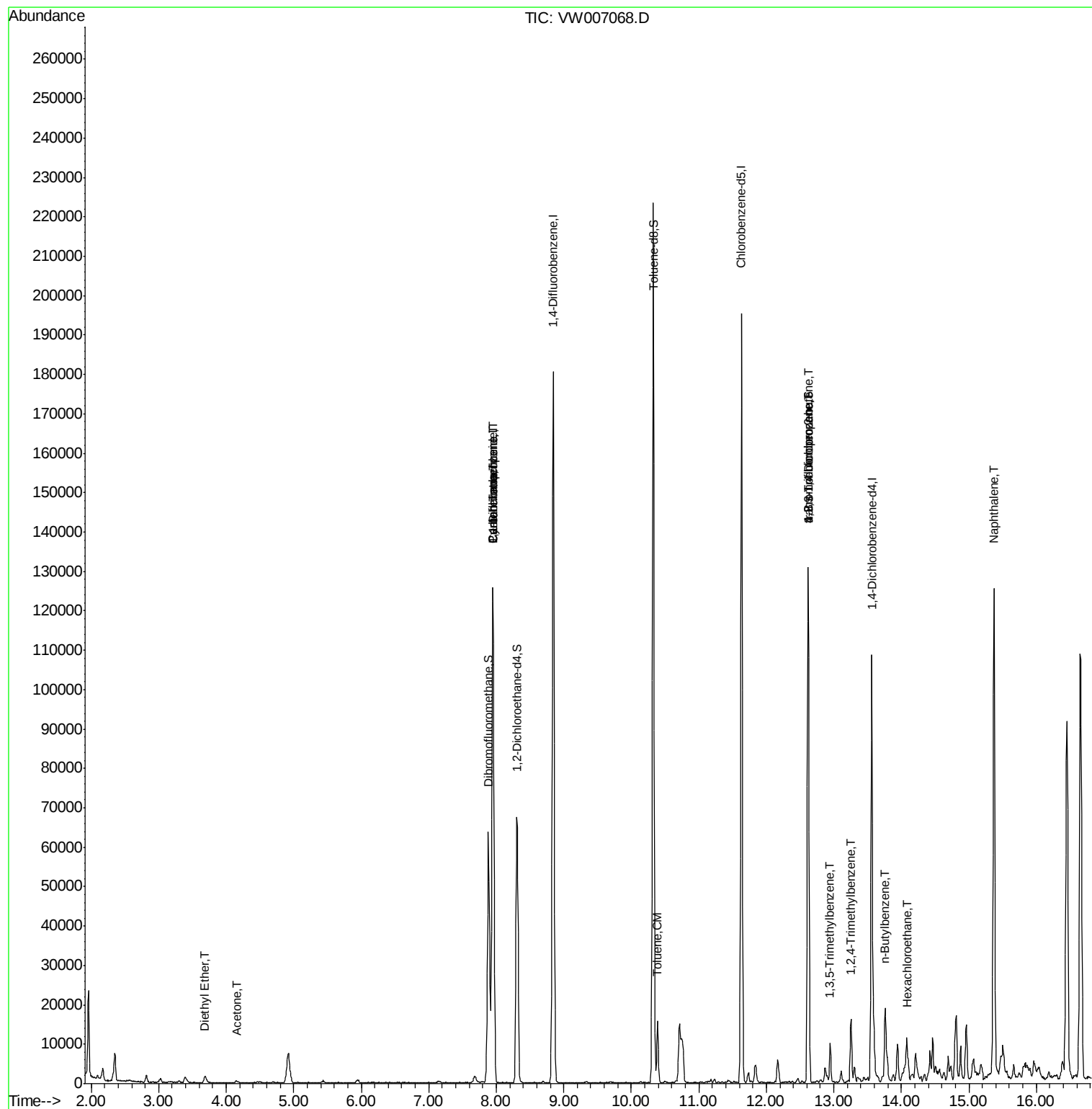
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	54654	58.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.46%	
35) Dibromofluoromethane	7.88	113	46299	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
50) Toluene-d8	10.32	98	151469	38.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.98%	
62) 4-Bromofluorobenzene	12.62	95	42916	27.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1090	2.236	ug/l	99
16) Acetone	4.15	43	910	6.735	ug/l #	65
31) Cyclohexane	7.95	56	2039	1.138	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	7246	4.699	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9738	6.594	ug/l #	18
52) Toluene	10.39	92	7056	2.491	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	21049	95.914	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	5160	2.749	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.62	75	21049	240.802	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.25	105	8789	4.700	ug/l	96
89) n-Butylbenzene	13.76	91	2612	1.370	ug/l #	39
90) Hexachloroethane	14.10	117	457	1.546	ug/l #	14
95) Naphthalene	15.38	128	110377	110.574	ug/l	99

(#) = 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: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

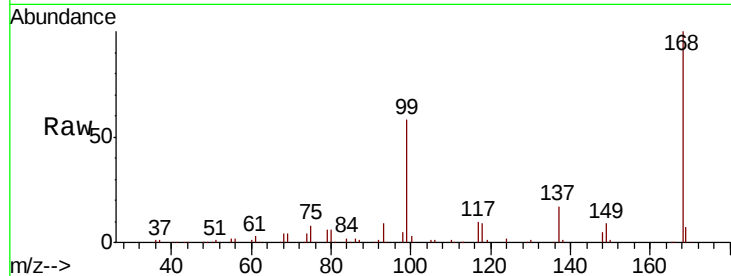
SU-03-112118-A

Tot Ion:168 Resp: 95055

Ion Ratio Lower Upper

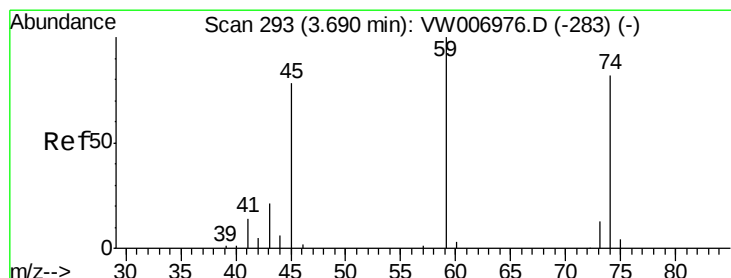
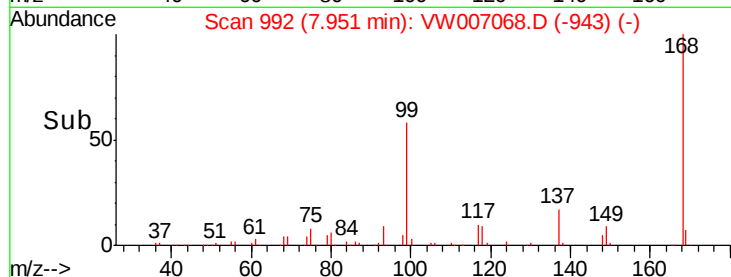
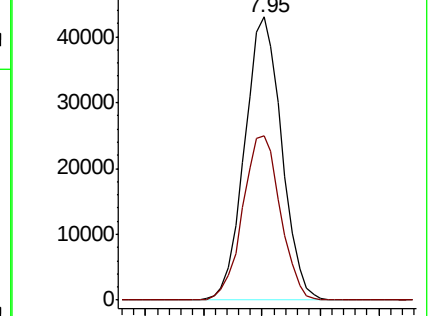
168 100

99 58.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.236 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007068.D

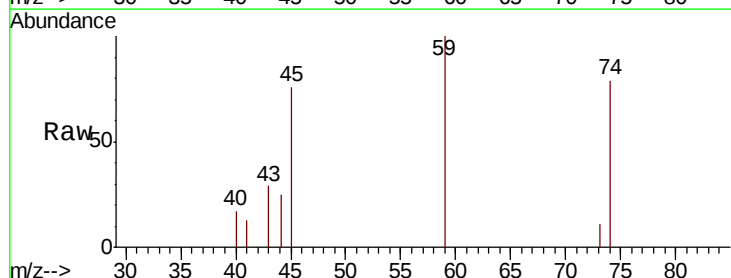
Acq: 27 Nov 2018 02:11

Tgt Ion: 74 Resp: 1090

Ion Ratio Lower Upper

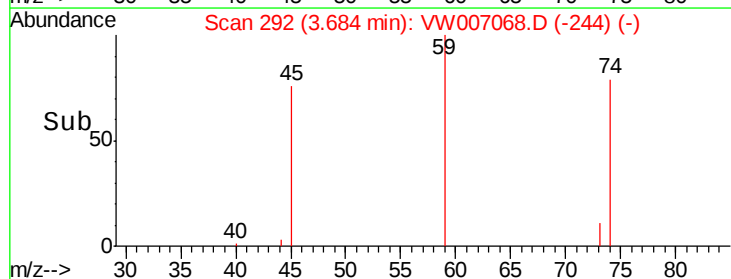
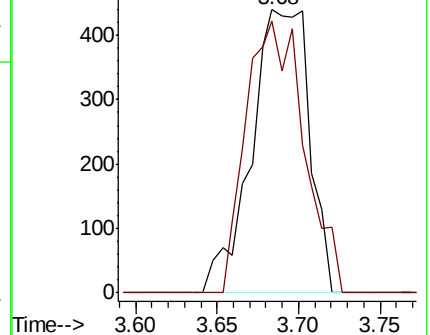
74 100

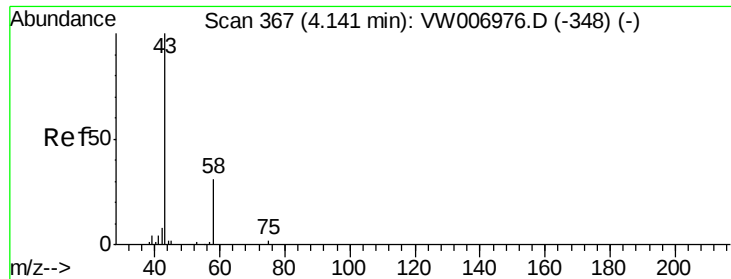
45 95.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 6.735 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

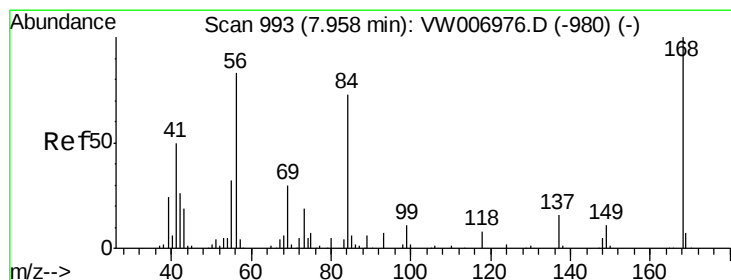
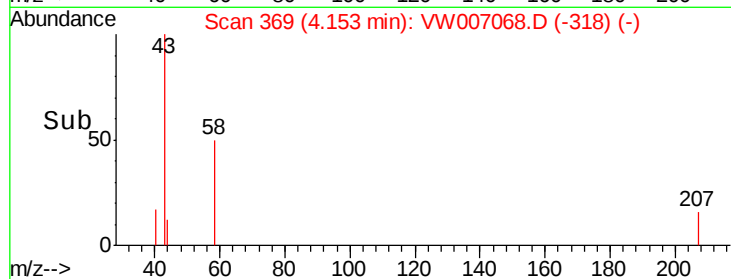
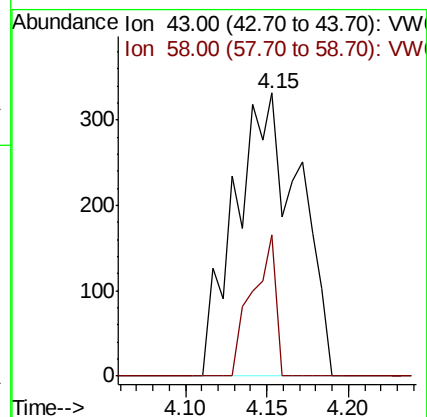
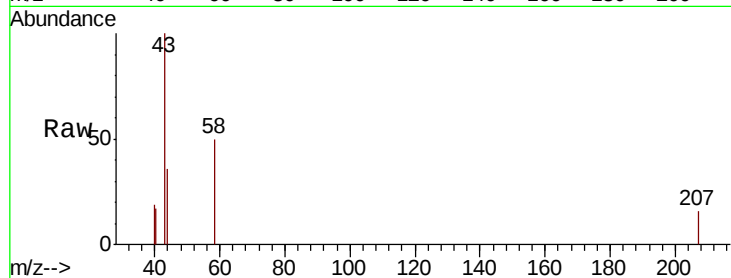
SU-03-112118-A

Tot Ion: 43 Resp: 910

Ion Ratio Lower Upper

43 100

58 50.0 24.8 37.2#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

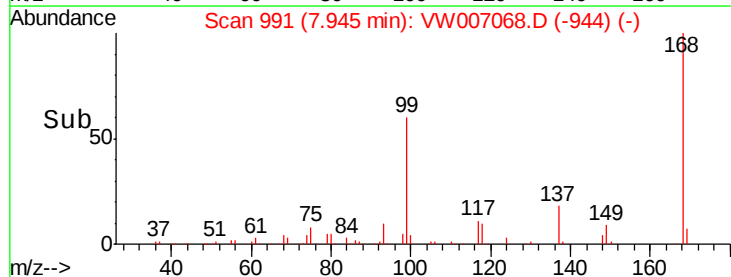
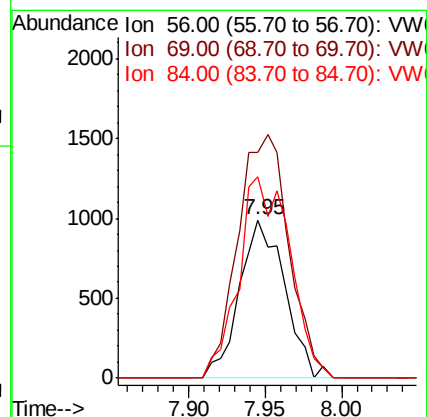
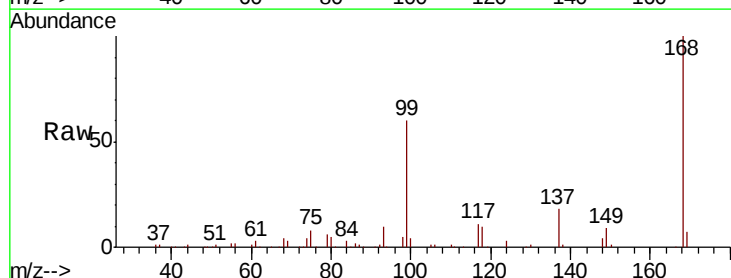
Tgt Ion: 56 Resp: 2039

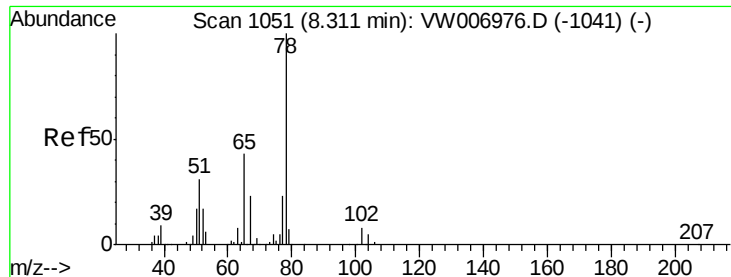
Ion Ratio Lower Upper

56 100

69 142.8 29.1 43.7#

84 127.1 70.6 105.8#

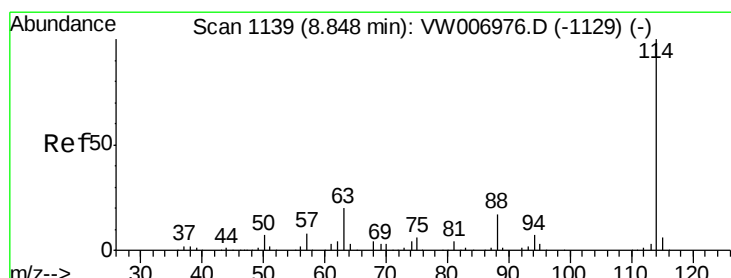
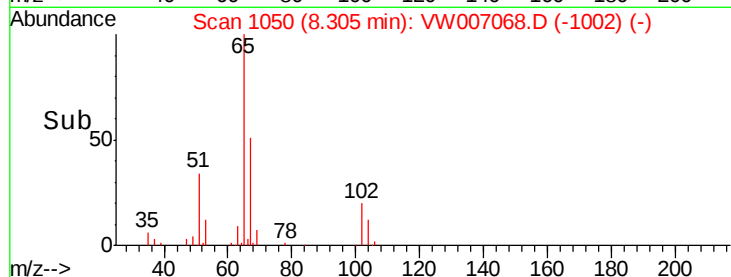
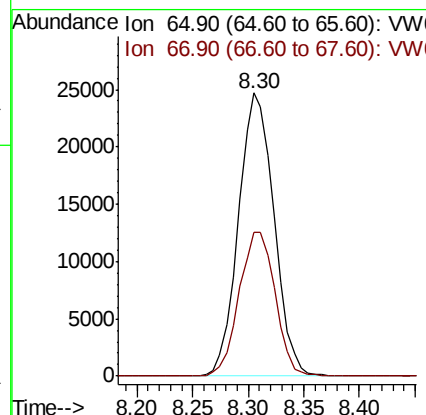
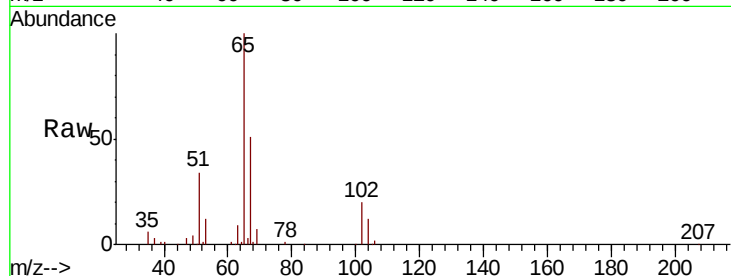




#33
 1,2-Dichloroethane-d4
 Concen: 58.729 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007068.D
 Acq: 27 Nov 2018 02:11

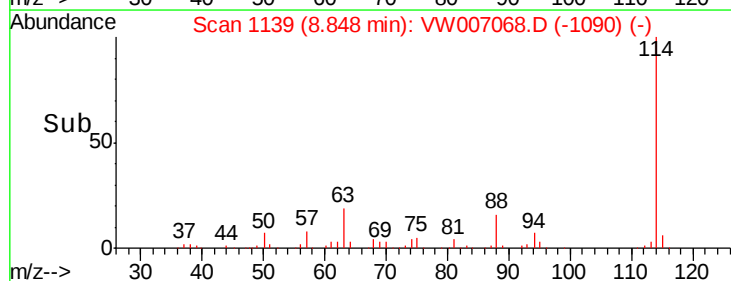
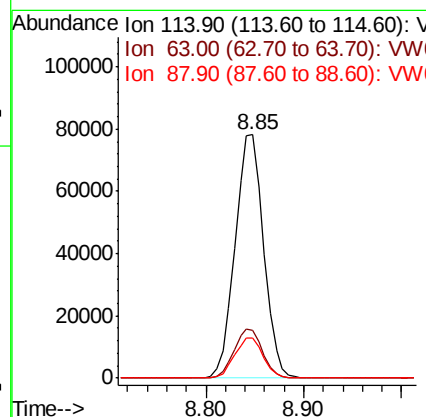
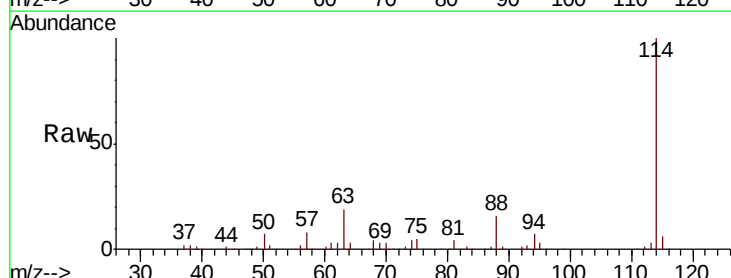
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-A

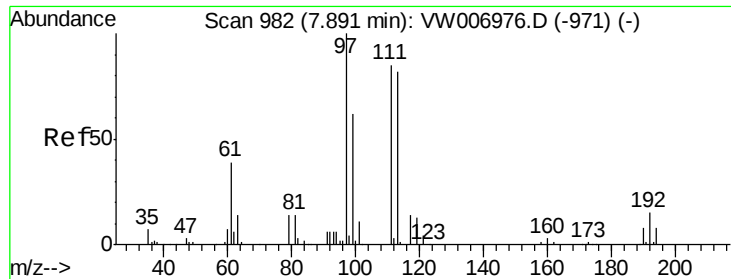
Tot Ion: 65 Resp: 54654
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007068.D
 Acq: 27 Nov 2018 02:11

Tgt Ion: 114 Resp: 157808
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.952 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

SU-03-112118-A

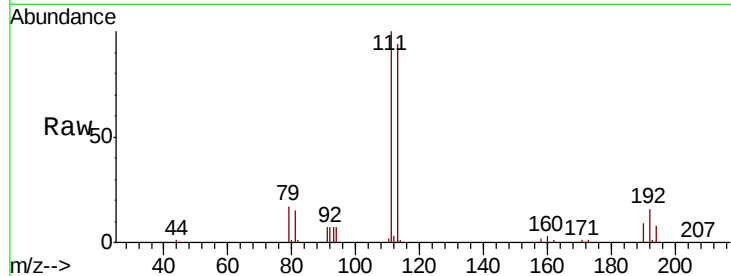
Tot Ion:113 Resp: 46299

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.6

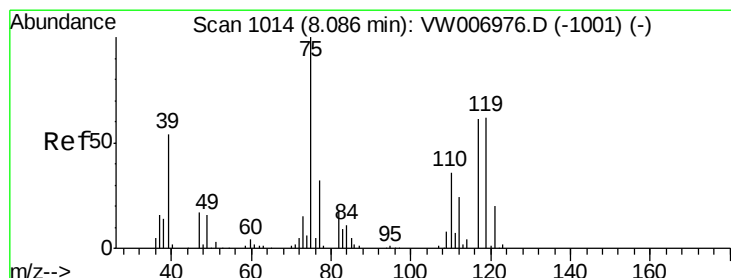
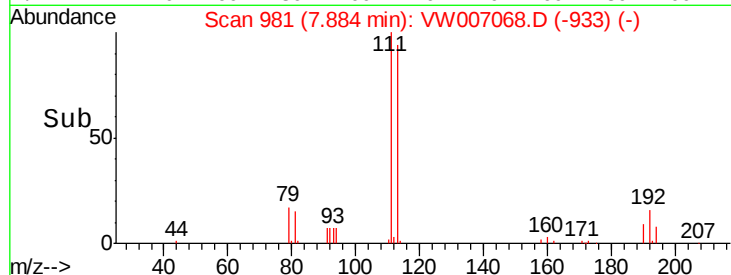
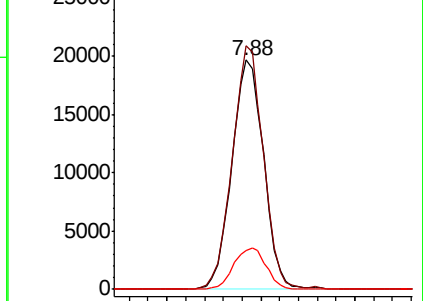
192 18.4 15.0 22.6



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: 4.699 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

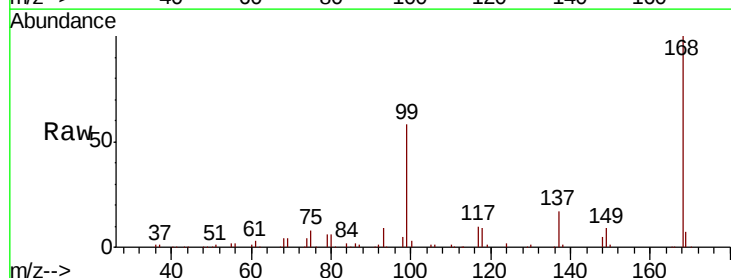
Tgt Ion: 75 Resp: 7246

Ion Ratio Lower Upper

75 100

110 10.4 18.0 54.0#

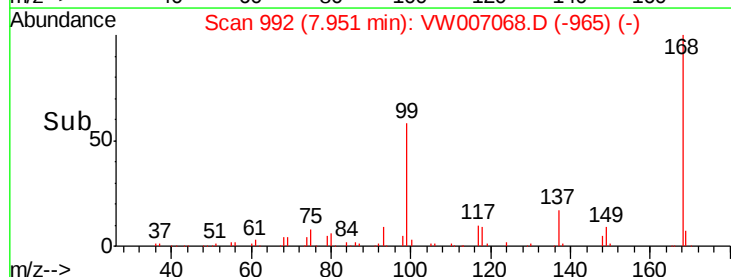
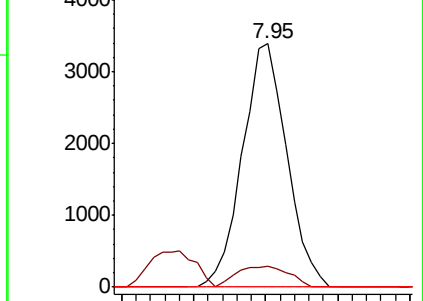
77 0.0 24.9 37.3#

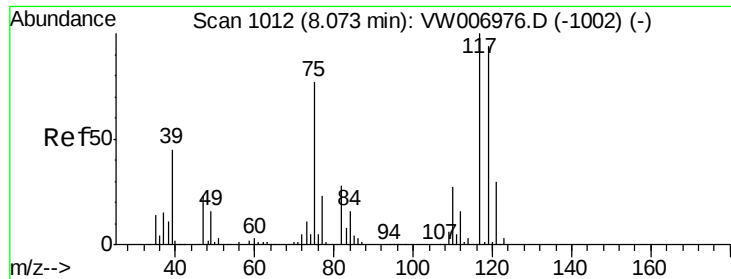


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

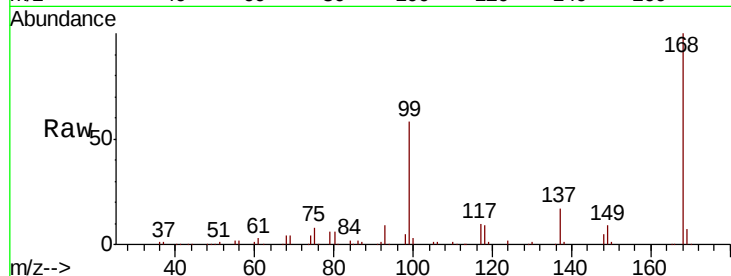




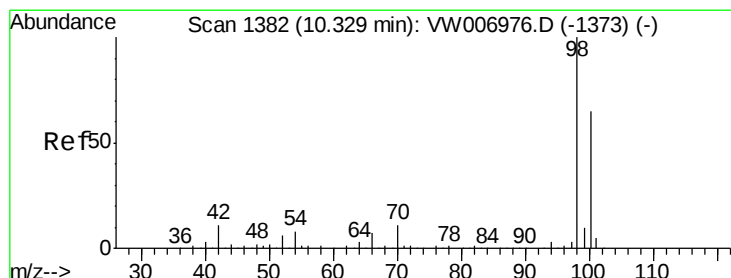
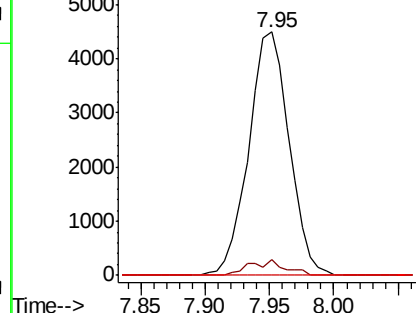
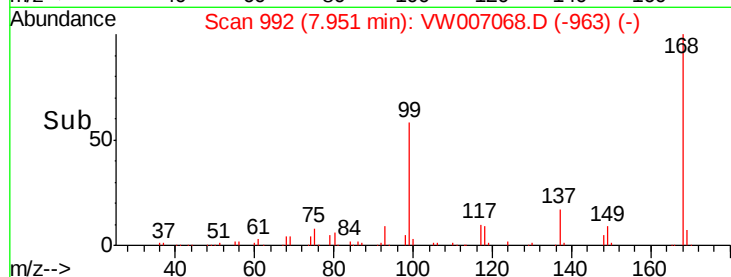
#38
Carbon Tetrachloride
Concen: 6.594 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-A

Tot Ion:117 Resp: 9738
Ion Ratio Lower Upper
117 100
119 6.6 74.9 112.3#
121 0.0 23.6 35.4#

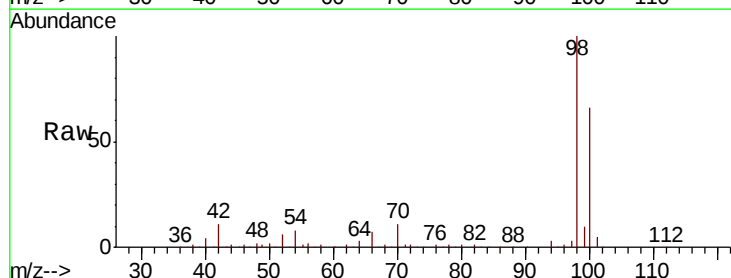


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

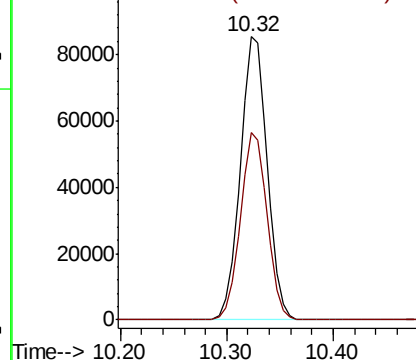
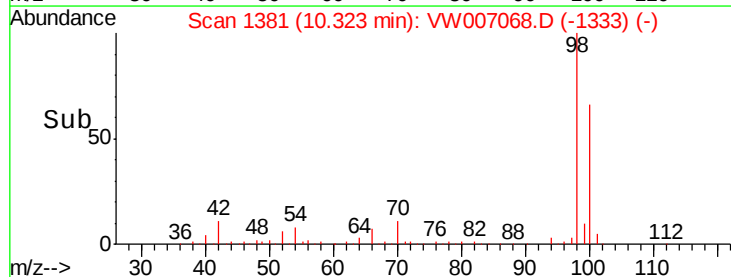


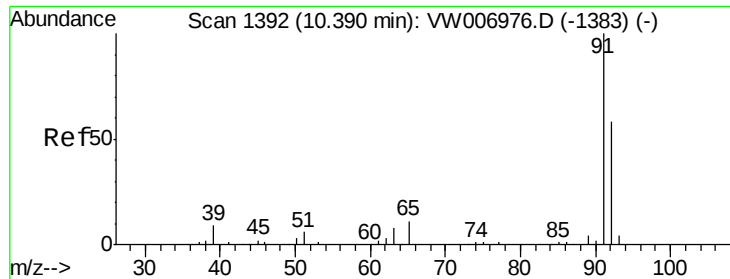
#50
Toluene-d8
Concen: 38.489 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

Tgt Ion: 98 Resp: 151469
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



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





#52

Toluene

Concen: 2.491 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

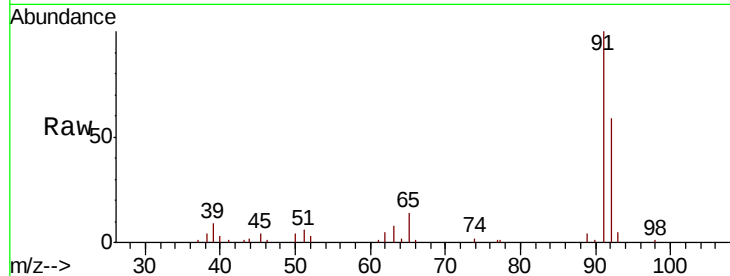
SU-03-112118-A

Tot Ion: 92 Resp: 7056

Ion Ratio Lower Upper

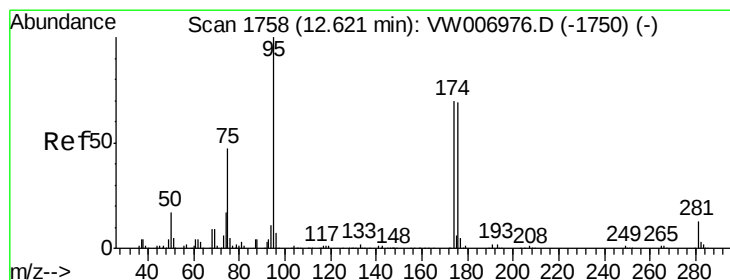
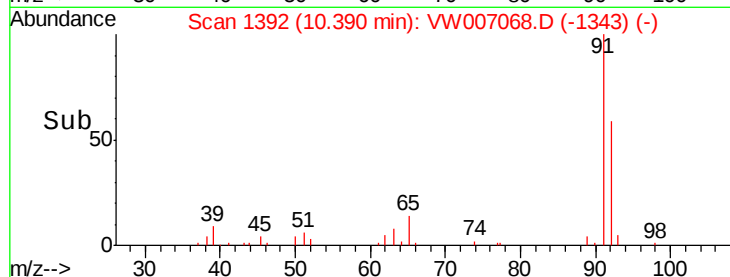
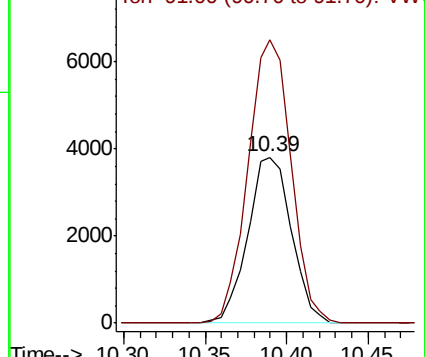
92 100

91 168.8 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 27.712 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

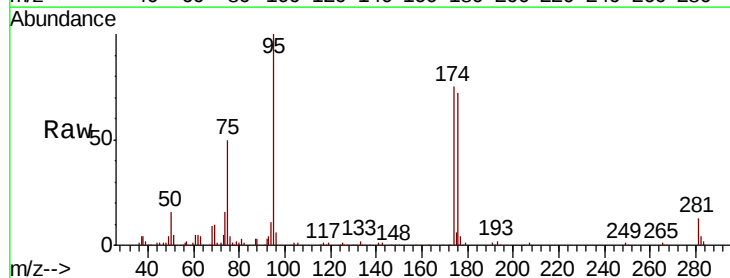
Tgt Ion: 95 Resp: 42916

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.6

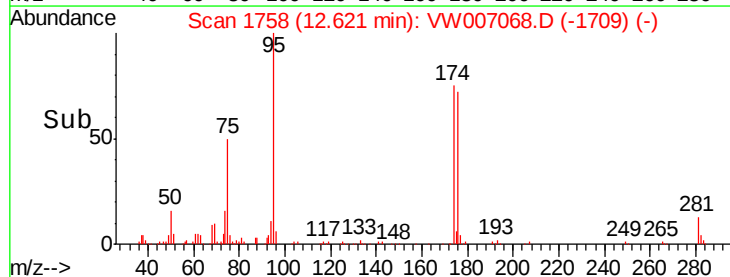
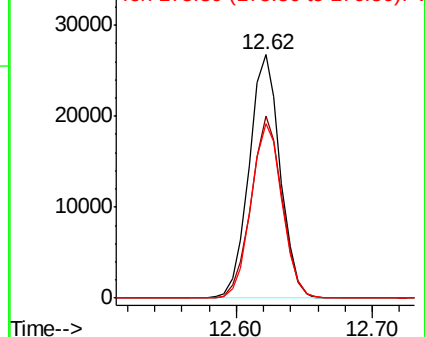
176 71.8 0.0 140.4

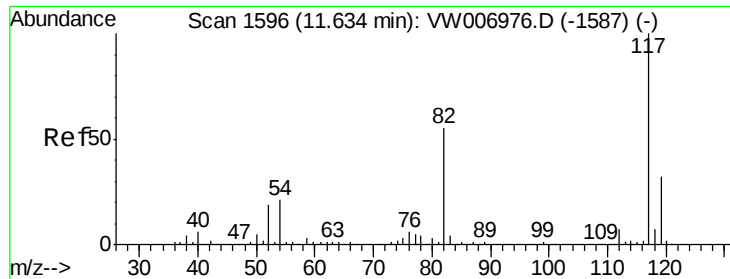


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

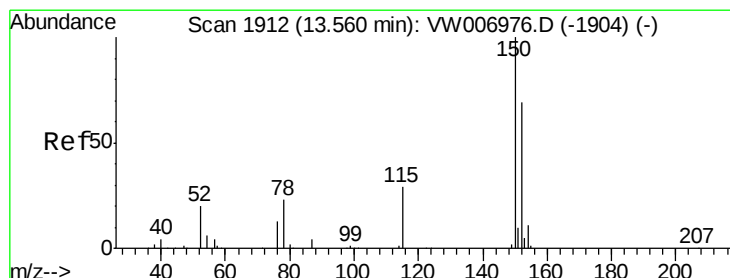
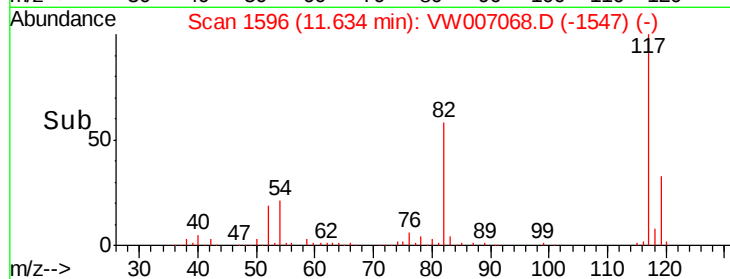
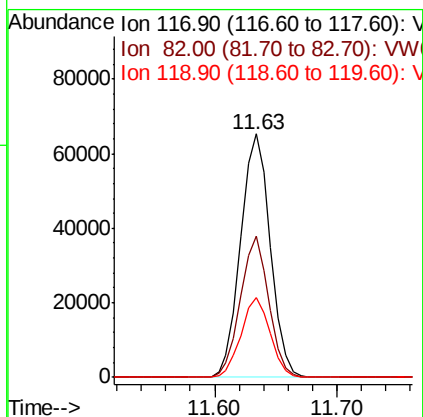
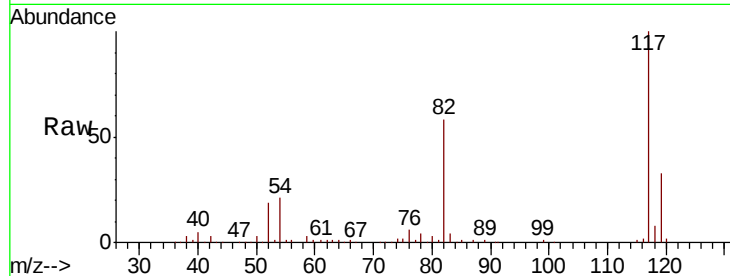




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

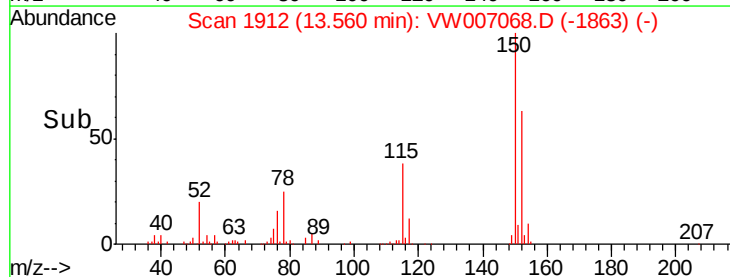
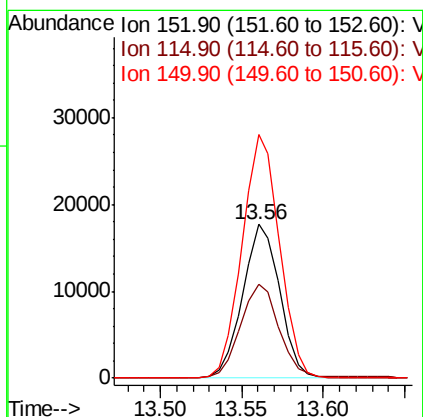
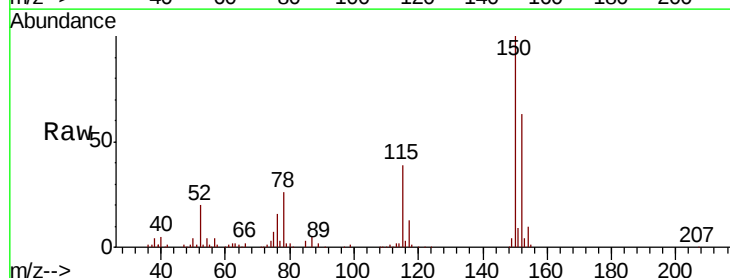
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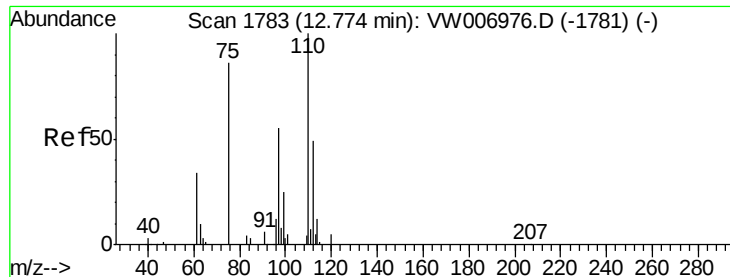
Tot Ion:117 Resp: 109601
Ion Ratio Lower Upper
117 100
82 58.2 44.2 66.2
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

Tgt Ion:152 Resp: 27928
Ion Ratio Lower Upper
152 100
115 64.1 31.4 94.2
150 160.3 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 95.914 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

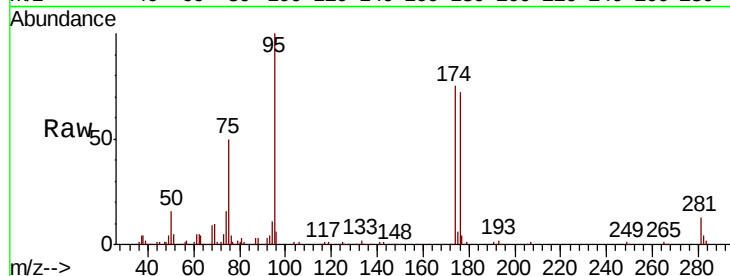
SU-03-112118-A

Tot Ion: 75 Resp: 21049

Ion Ratio Lower Upper

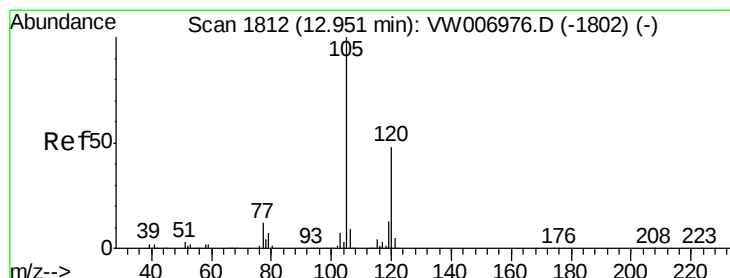
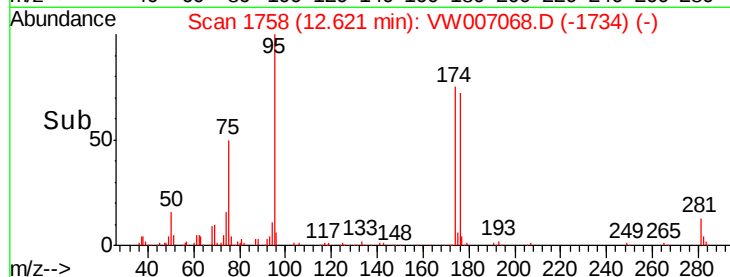
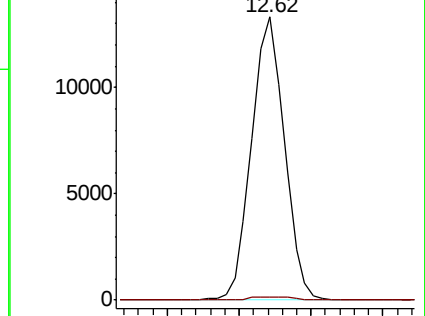
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 2.749 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007068.D

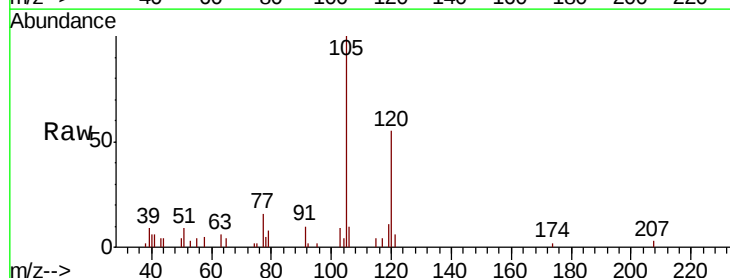
Acq: 27 Nov 2018 02:11

Tgt Ion:105 Resp: 5160

Ion Ratio Lower Upper

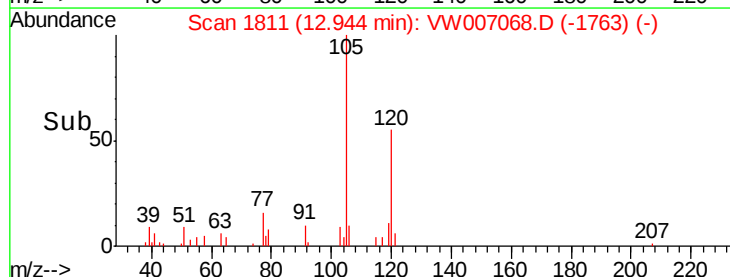
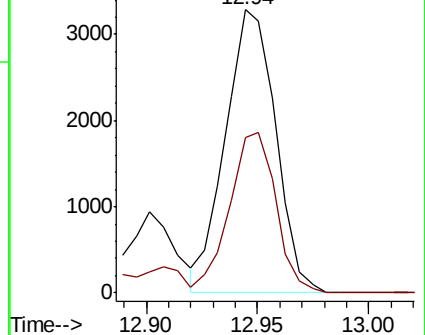
105 100

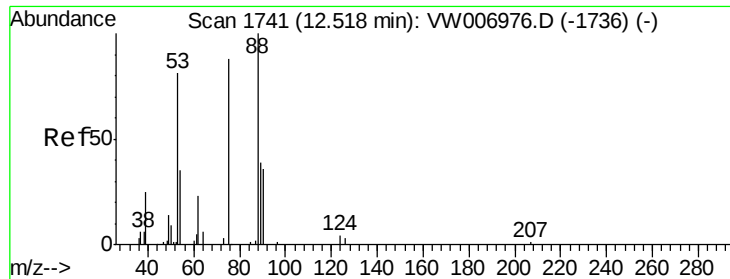
120 52.3 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 240.802 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

SU-03-112118-A

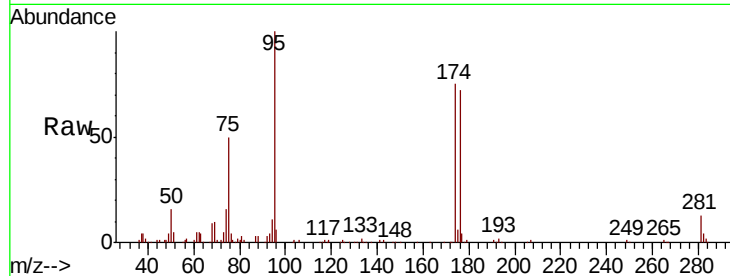
Tot Ion: 75 Resp: 21049

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

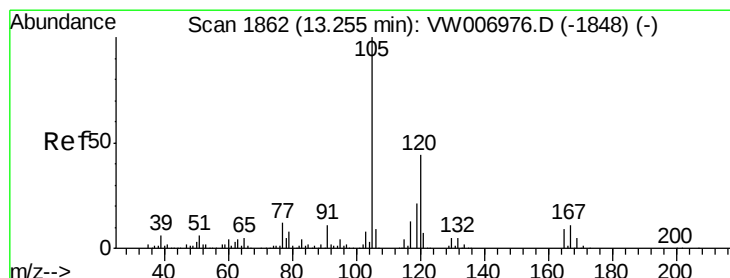
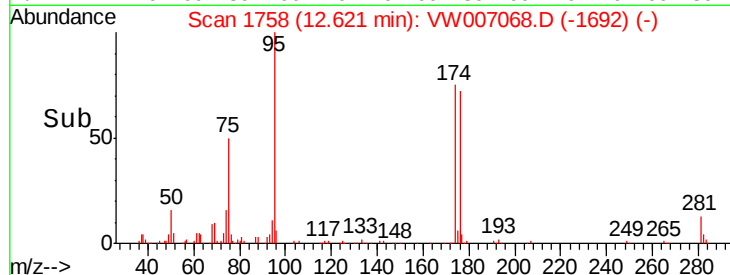
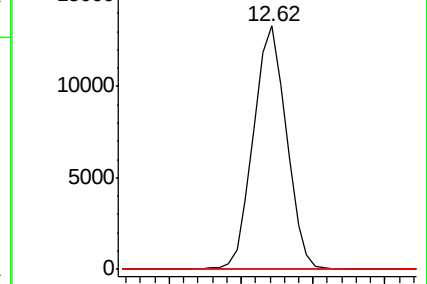
89 0.0 39.3 58.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 4.700 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW007068.D

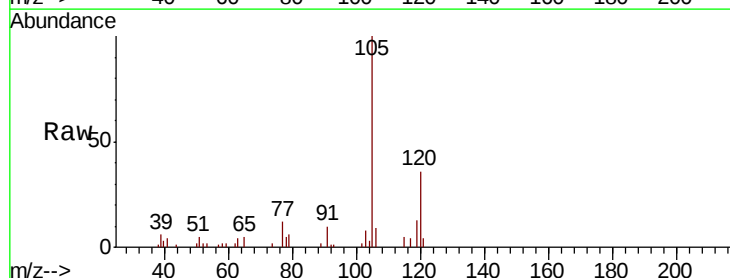
Acq: 27 Nov 2018 02:11

Tgt Ion: 105 Resp: 8789

Ion Ratio Lower Upper

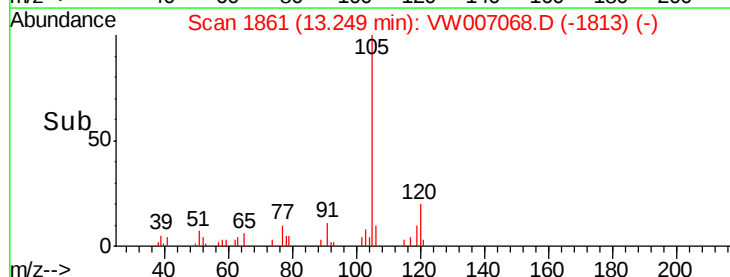
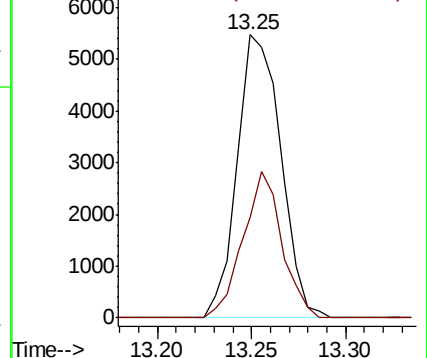
105 100

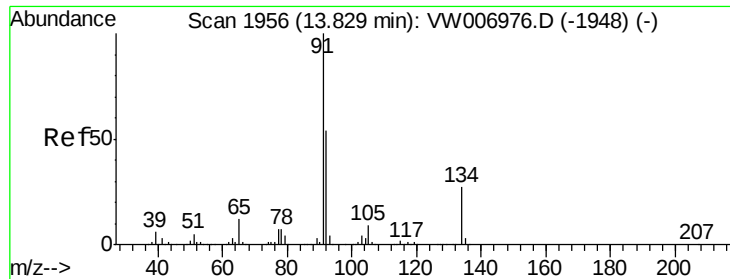
120 46.0 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

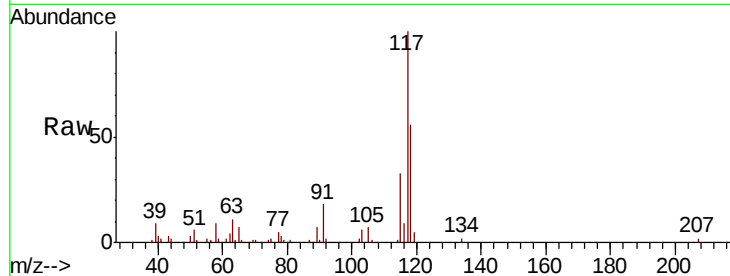




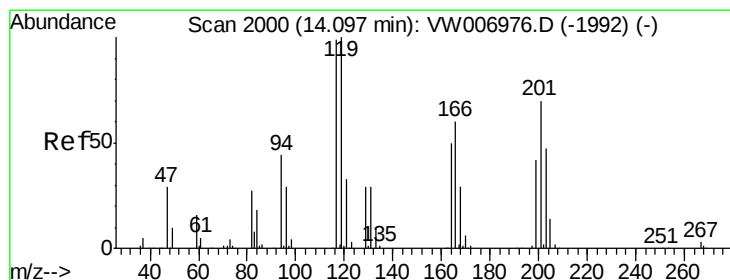
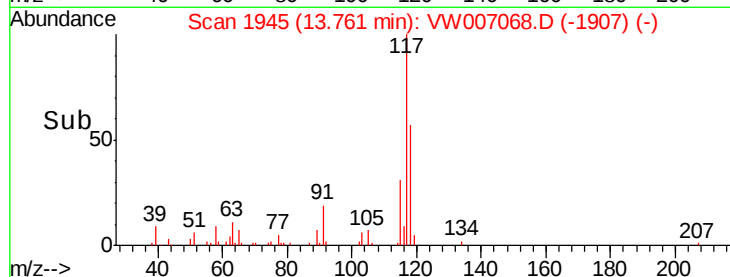
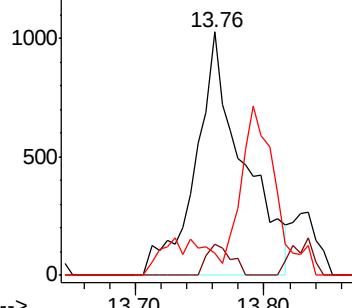
#89
n-Butylbenzene
Concen: 1.370 ug/l
RT: 13.76 min Scan# 1945
Delta R.T. -0.07 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-A

Tot Ion: 91 Resp: 2612
Ion Ratio Lower Upper
91 100
92 6.5 26.8 80.4#
134 0.0 13.3 39.8#

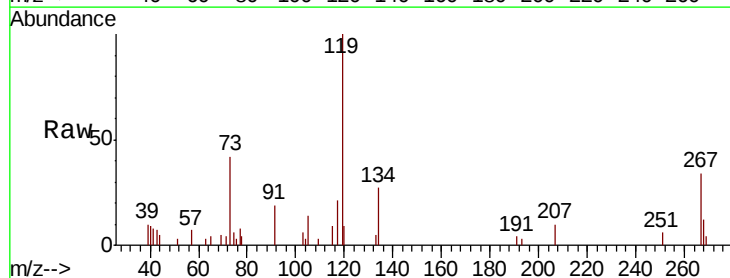


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

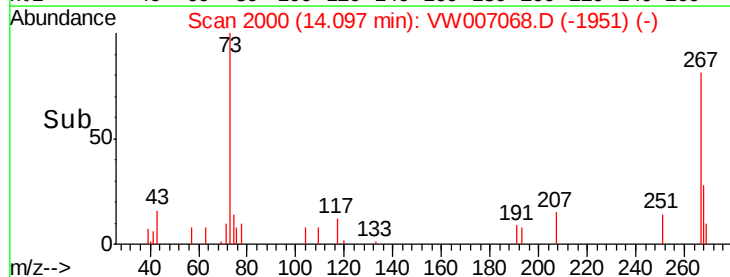
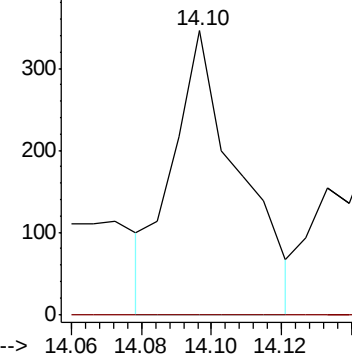


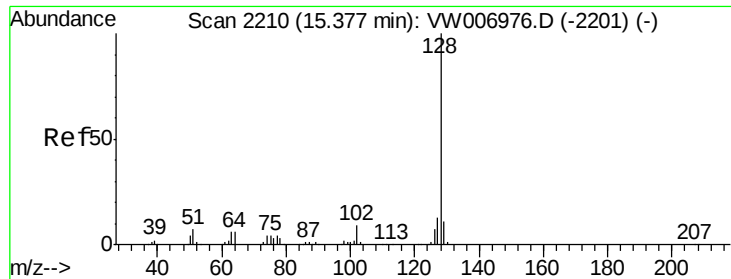
#90
Hexachloroethane
Concen: 1.546 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

Tgt Ion: 117 Resp: 457
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

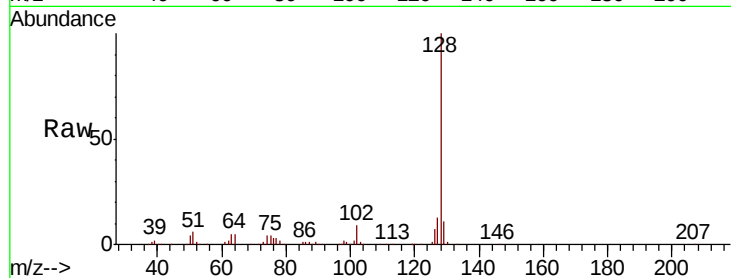




#95
Naphthalene
Concen: 110.574 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007068.D
Acq: 27 Nov 2018 02:11

Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	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

