

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011731.D
 Acq On : 06 Aug 2019 00:41
 Operator : SY/VA
 Sample : K4090-03RE
 Misc : 5.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-080219-BRE

Quant Time: Aug 06 08:08:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123355	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	144357	58.31	ug/l	0.00
Spiked Amount	50.000			Recovery	=	116.62%	
35) Dibromofluoromethane		7.88	113	111822	55.24	ug/l	0.00
Spiked Amount	50.000			Recovery	=	110.48%	
50) Toluene-d8		10.32	98	444527	53.64	ug/l	0.00
Spiked Amount	50.000			Recovery	=	107.28%	
62) 4-Bromofluorobenzene		12.62	95	140493	47.55	ug/l	0.00
Spiked Amount	50.000			Recovery	=	95.10%	

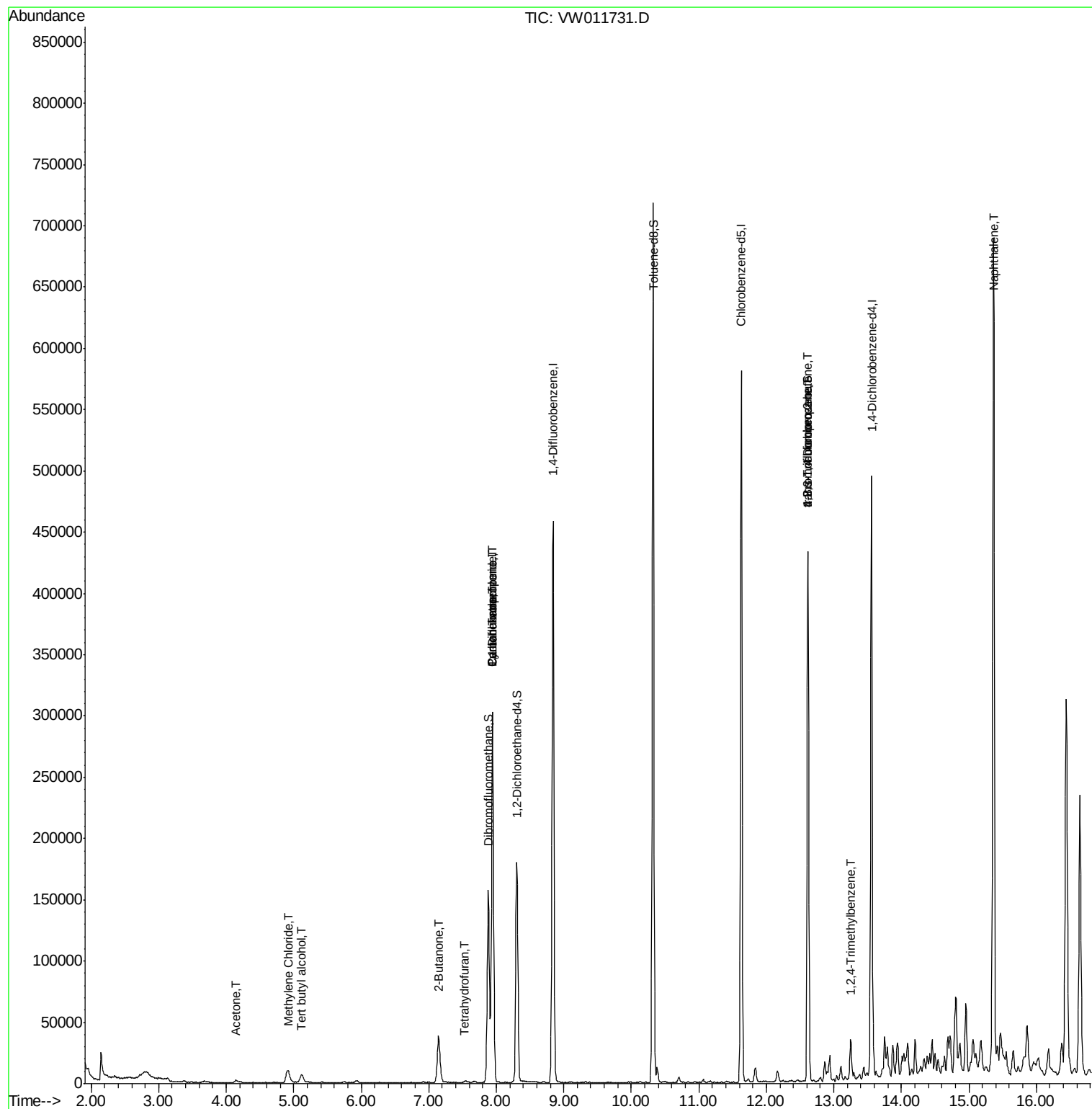
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6541	19.352	ug/l #	75
16) Acetone	4.14	43	3881	4.928	ug/l	99
20) Methylene Chloride	4.92	84	7691	2.832	ug/l	92
25) 2-Butanone	7.15	43	2784	2.702	ug/l #	76
29) Tetrahydrofuran	7.54	42	1213	2.059	ug/l #	89
31) Cyclohexane	7.95	56	5365	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18494	4.929	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21281	6.626	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	74815	57.319	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74815	132.101	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	17505	2.253	ug/l	99
95) Naphthalene	15.36	128	538532	108.082	ug/l	99

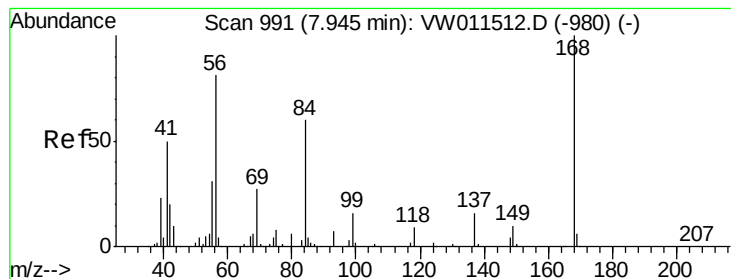
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011731.D

Acq: 06 Aug 2019 00:41

Instrument :

MSVOA_W

ClientSampleId :

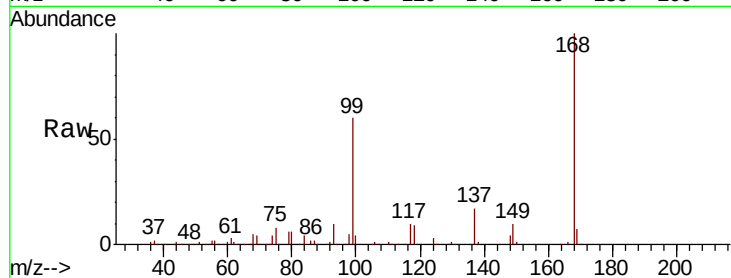
OR-02-080219-BRE

Tgt Ion:168 Resp: 21590

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

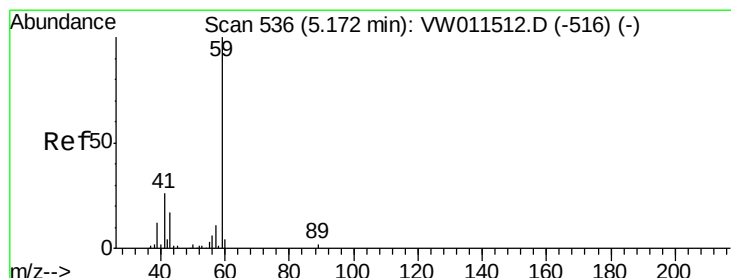
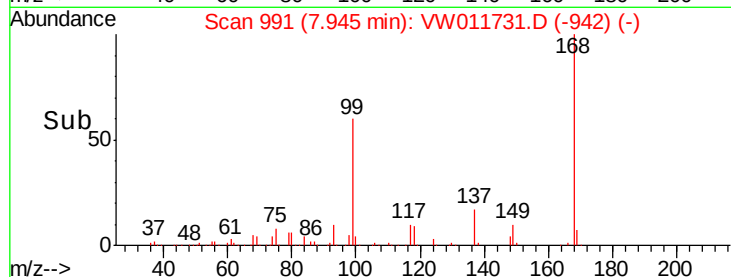
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 19.352 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011731.D

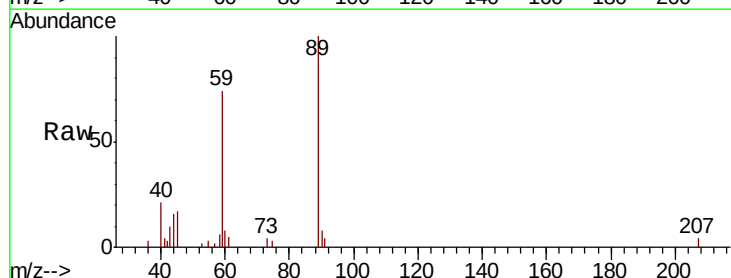
Acq: 06 Aug 2019 00:41

Tgt Ion: 59 Resp: 6541

Ion Ratio Lower Upper

59 100

57 1.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

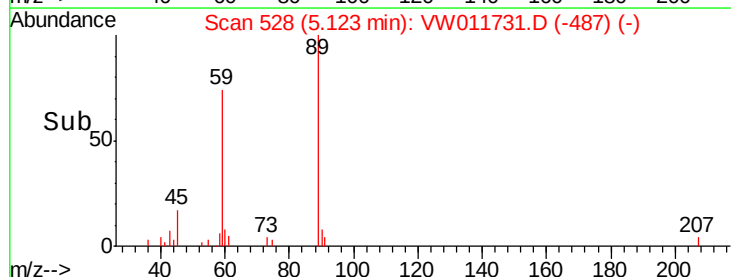
1500

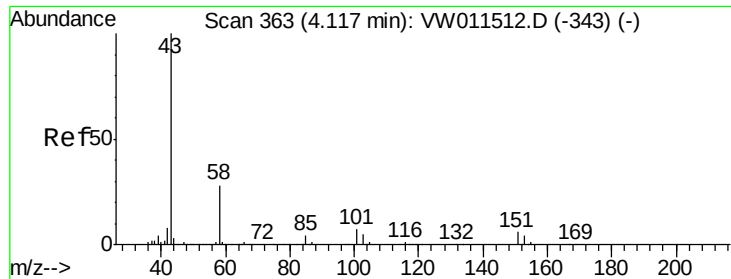
1000

500

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Time-->

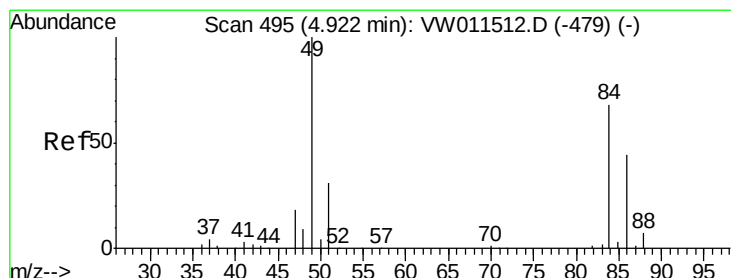
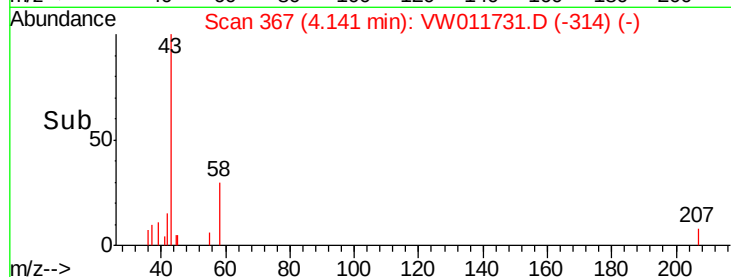
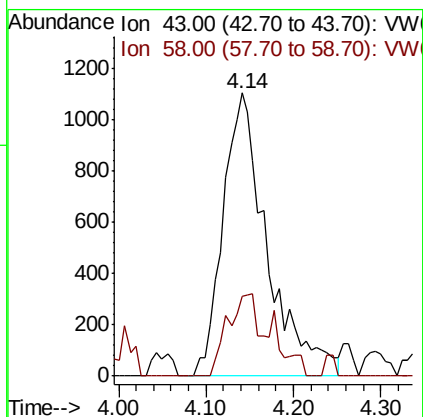
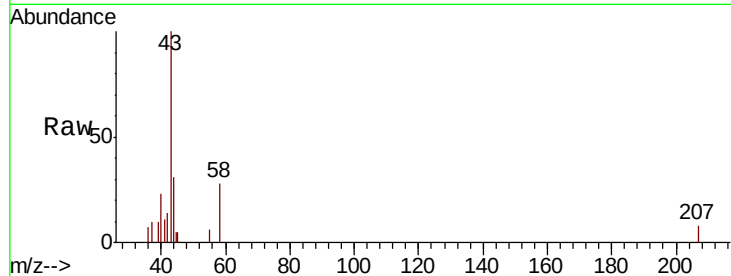




#16
Acetone
Concen: 4.928 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

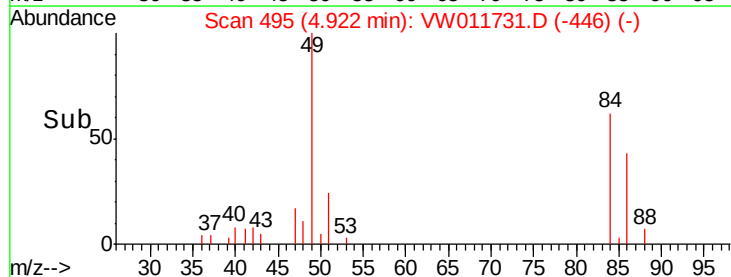
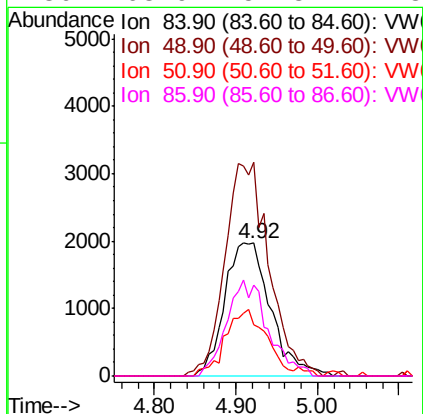
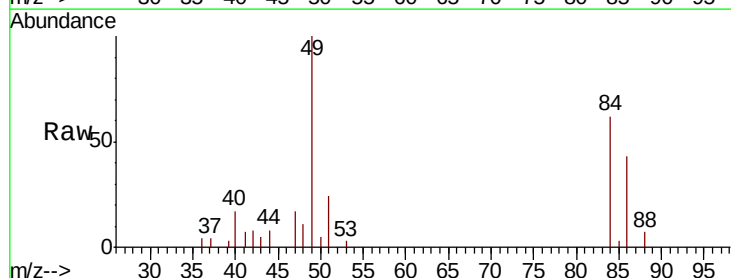
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MSVOA_W
ClientSampleId :
OR-02-080219-BRE

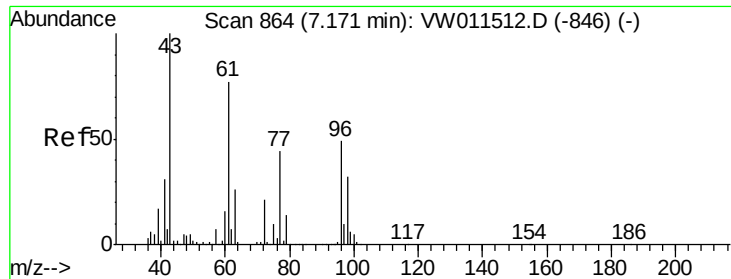
Tgt Ion: 43 Resp: 3881
Ion Ratio Lower Upper
43 100
58 28.2 22.3 33.5



#20
Methylene Chloride
Concen: 2.832 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

Tgt Ion: 84 Resp: 7691
Ion Ratio Lower Upper
84 100
49 158.1 117.8 176.6
51 39.0 37.0 55.4
86 68.9 51.8 77.8





#25

2-Butanone

Concen: 2.702 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW011731.D

Acq: 06 Aug 2019 00:41

Instrument :

MSVOA_W

ClientSampleId :

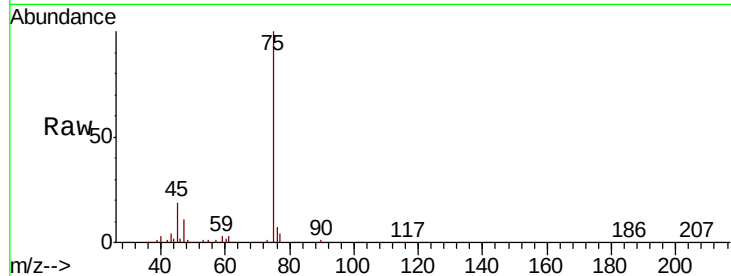
OR-02-080219-BRE

Tgt Ion: 43 Resp: 2784

Ion Ratio Lower Upper

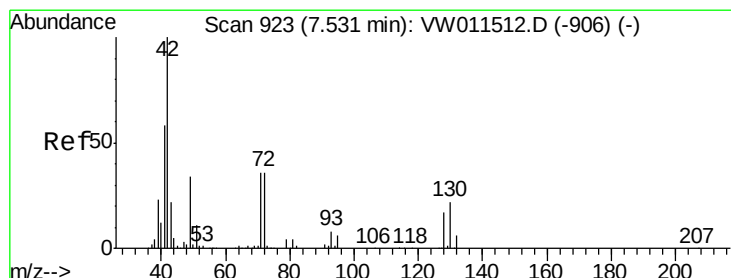
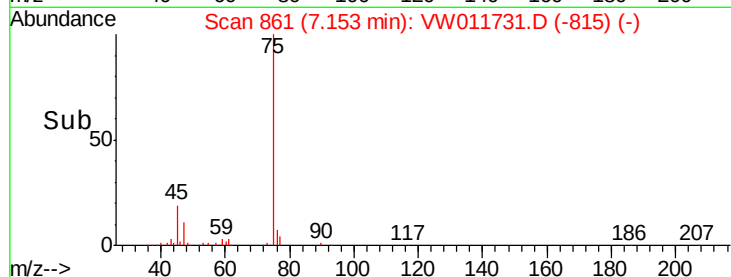
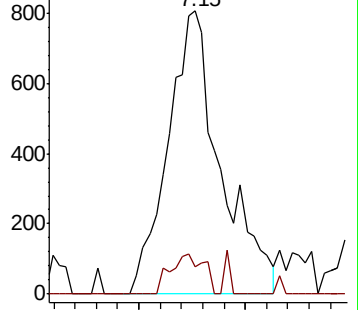
43 100

72 9.6 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.059 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011731.D

Acq: 06 Aug 2019 00:41

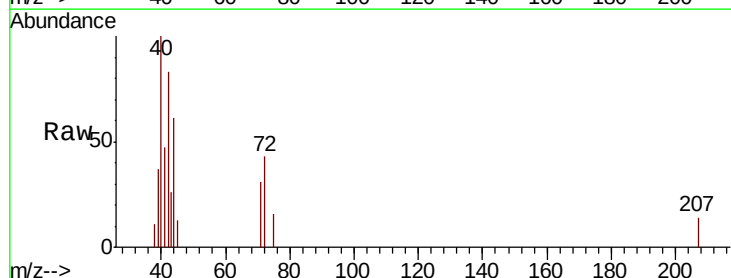
Tgt Ion: 42 Resp: 1213

Ion Ratio Lower Upper

42 100

72 33.8 27.1 40.7

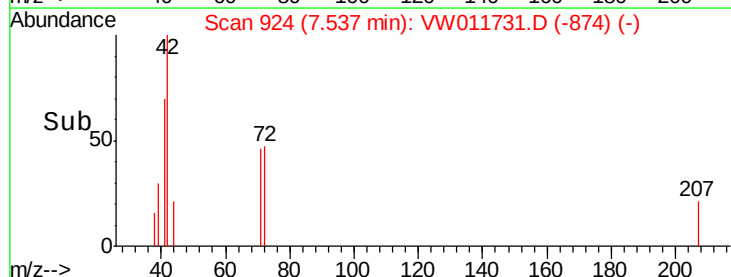
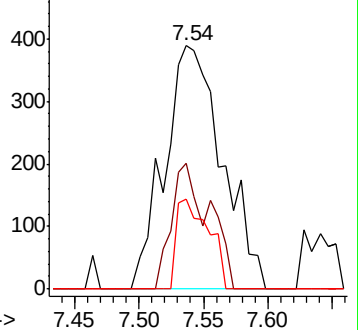
71 20.4 26.2 39.4#

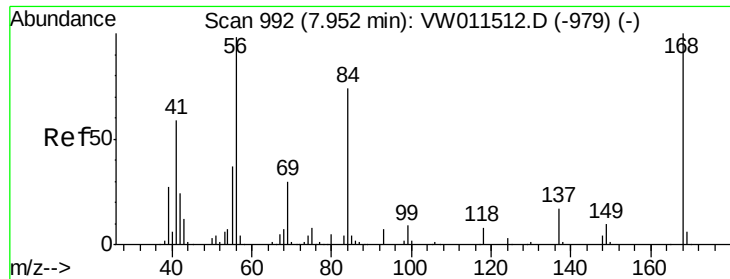


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

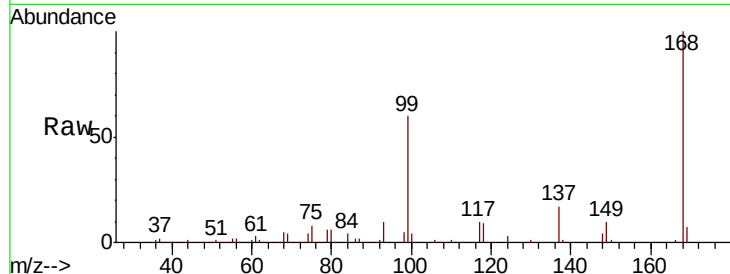




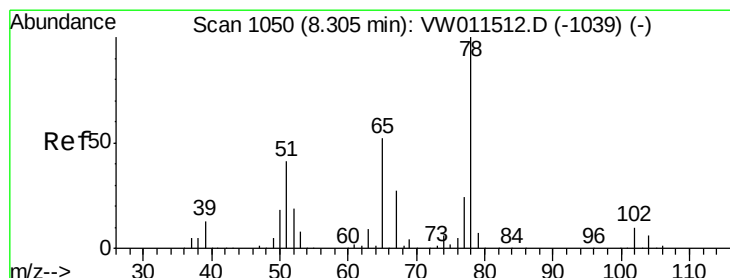
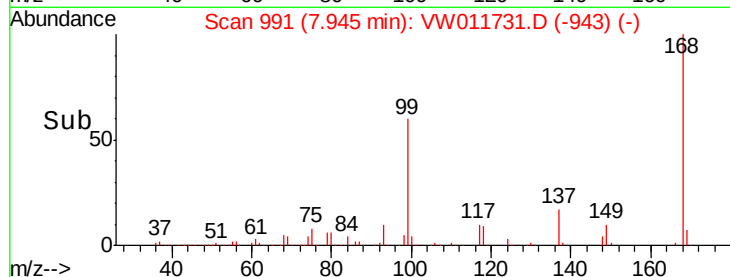
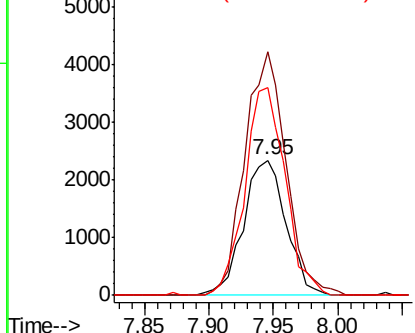
#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

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OR-02-080219-BRE

Tgt Ion: 56 Resp: 5365
Ion Ratio Lower Upper
56 100
69 180.1 24.3 36.5#
84 153.6 60.4 90.6#

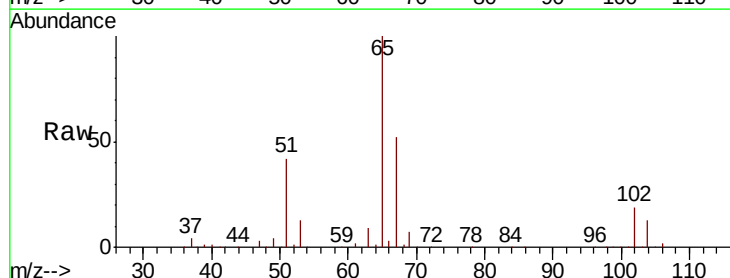


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

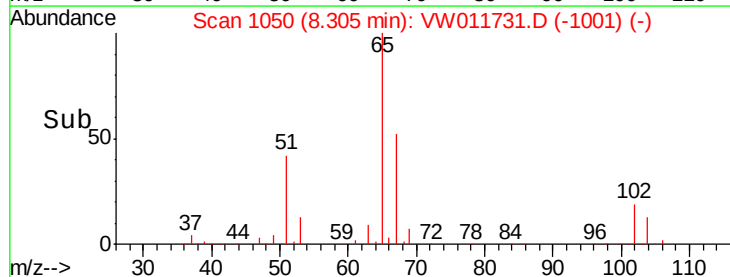
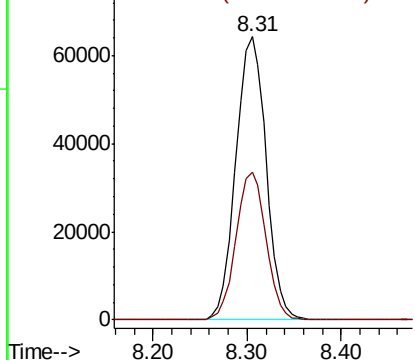


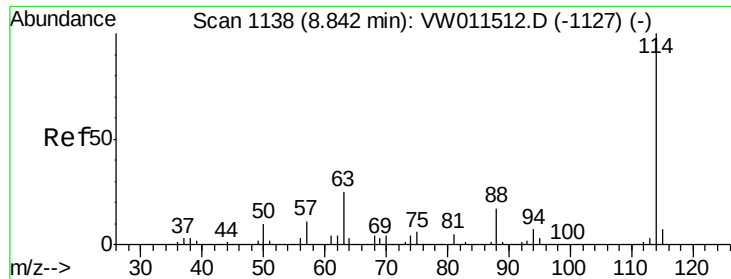
#33
1,2-Dichloroethane-d4
Concen: 58.313 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

Tgt Ion: 65 Resp: 144357
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2



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

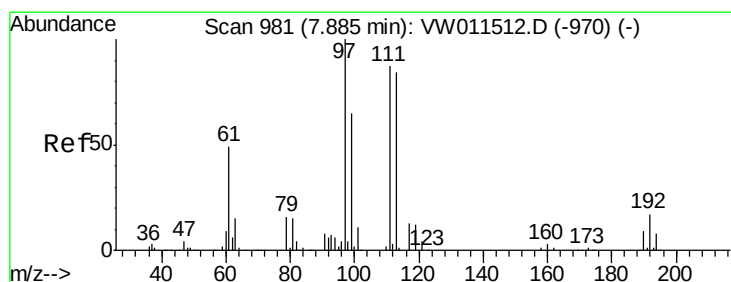
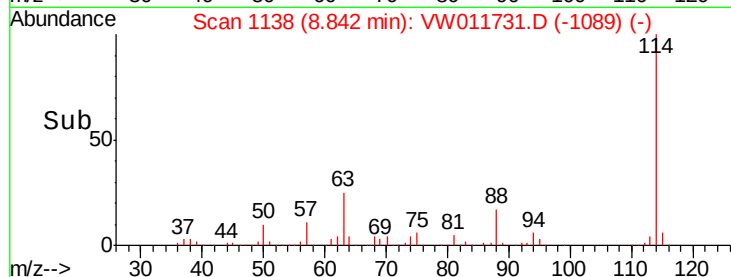
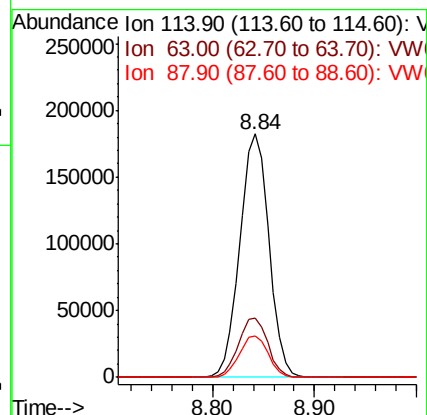
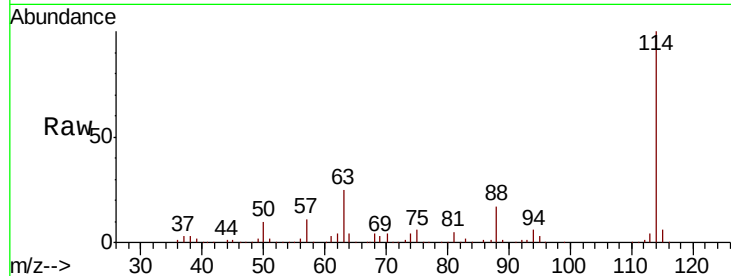




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011731.D
 Acq: 06 Aug 2019 00:41

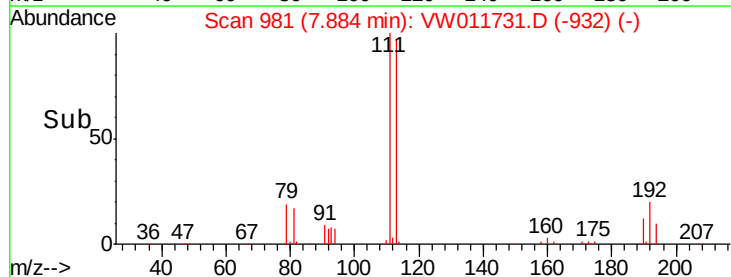
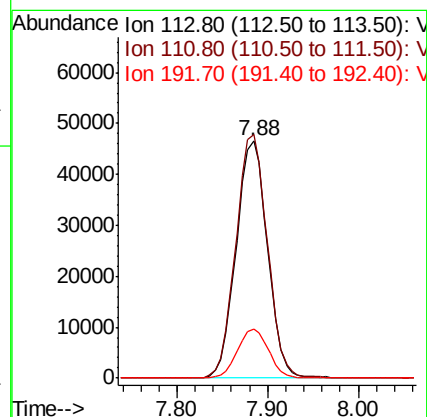
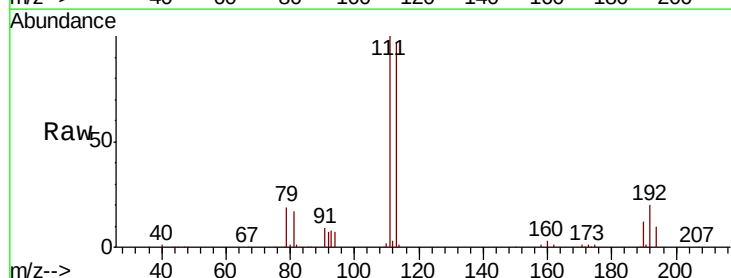
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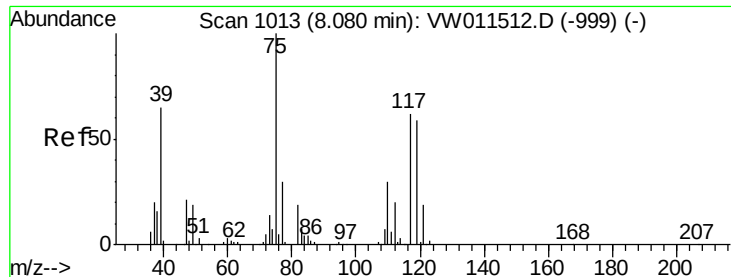
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.8	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 55.243 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011731.D
 Acq: 06 Aug 2019 00:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.5	16.1	24.1

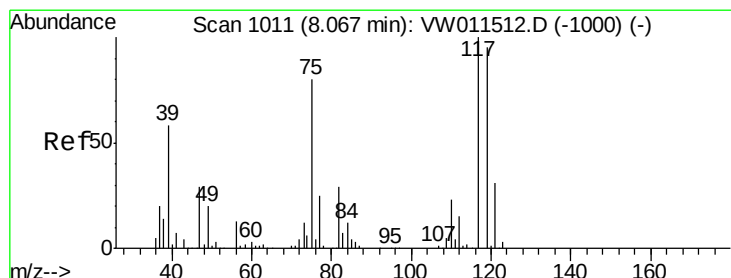
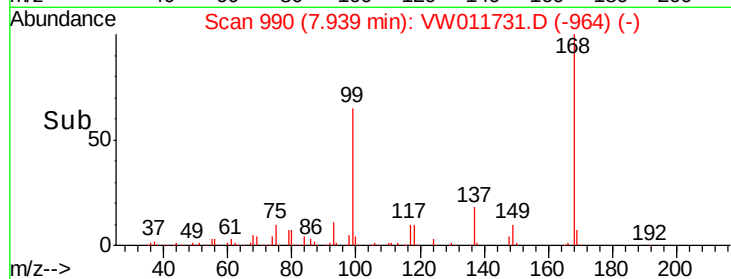
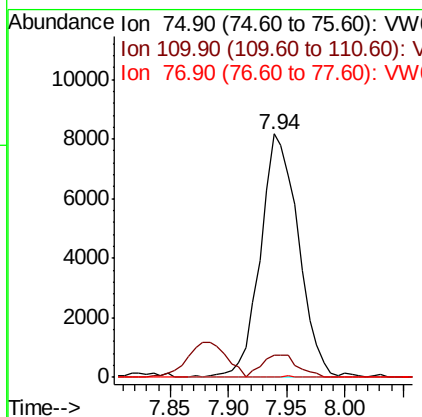
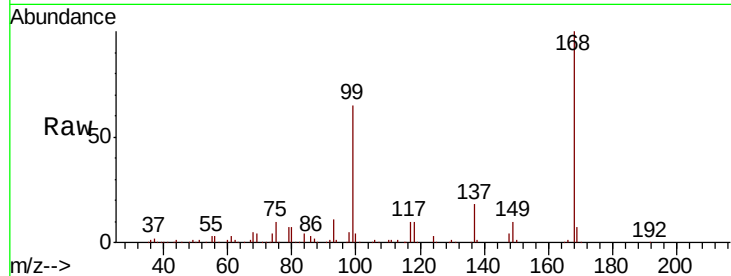




#36
 1,1-Dichloropropene
 Concen: 4.929 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011731.D
 Acq: 06 Aug 2019 00:41

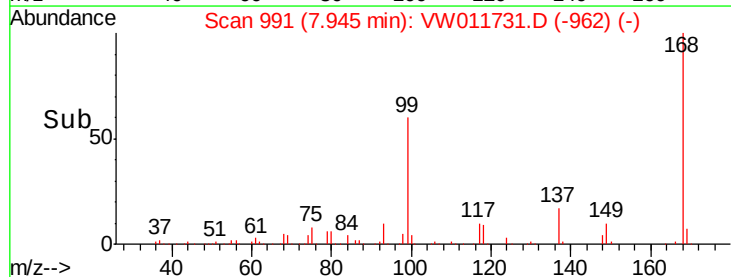
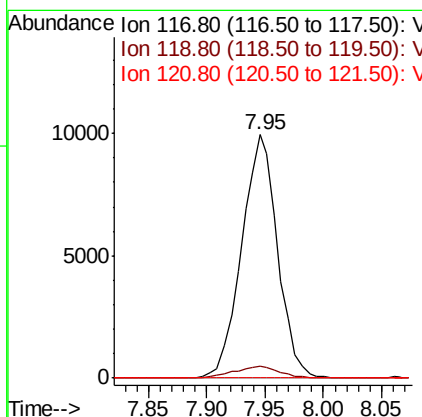
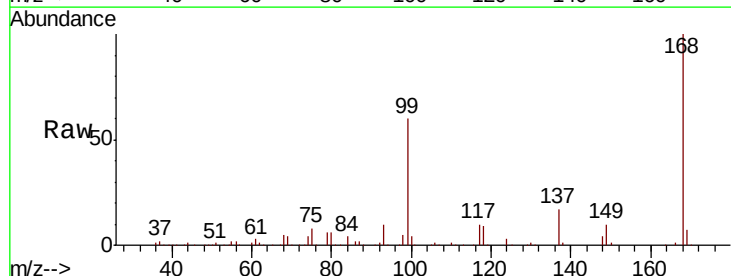
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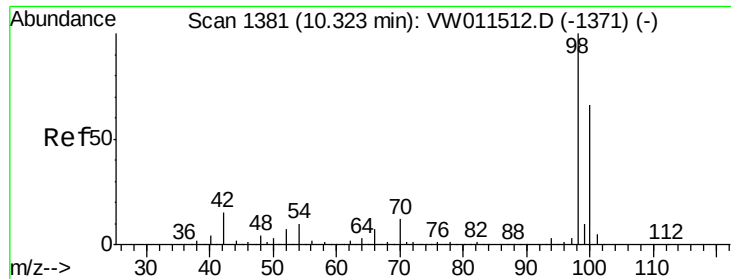
Tgt Ion: 75 Resp: 18494
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.626 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011731.D
 Acq: 06 Aug 2019 00:41

Tgt Ion: 117 Resp: 21281
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.6#
 121 0.0 24.7 37.1#

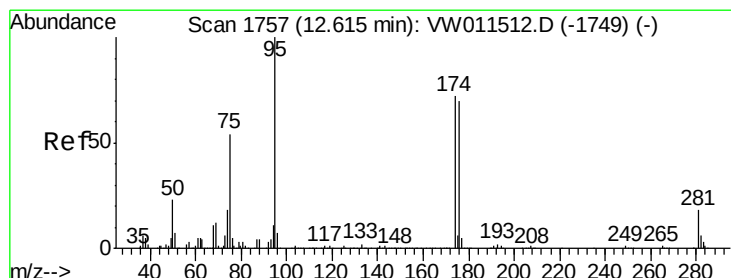
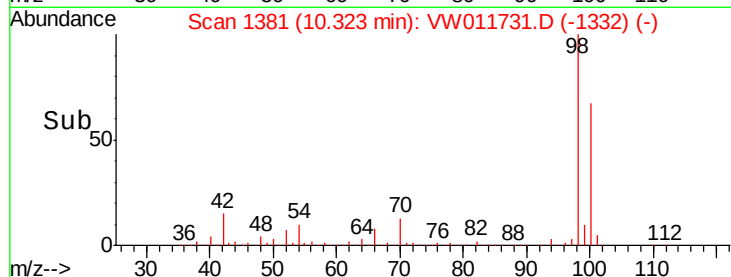
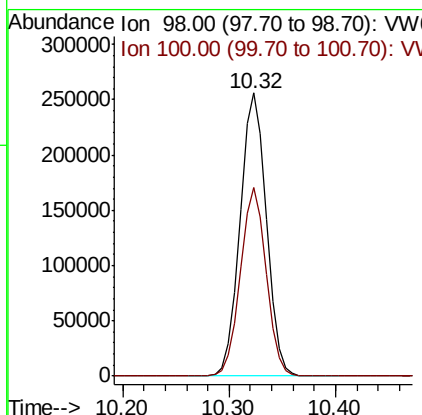
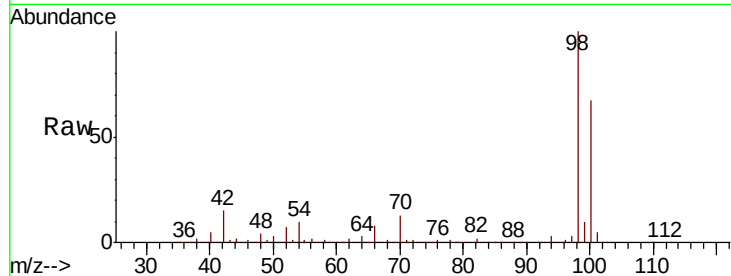




#50
Toluene-d8
Concen: 53.637 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

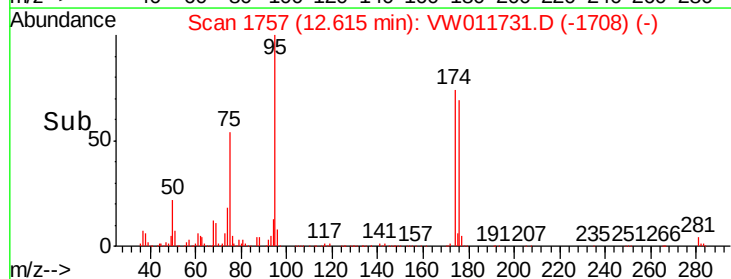
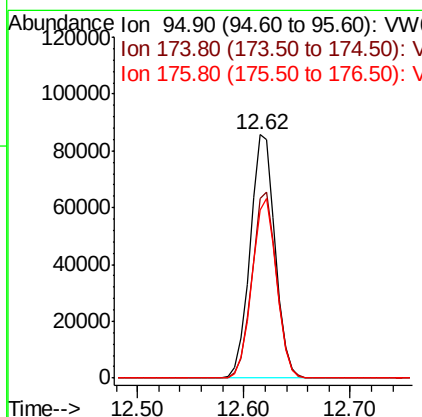
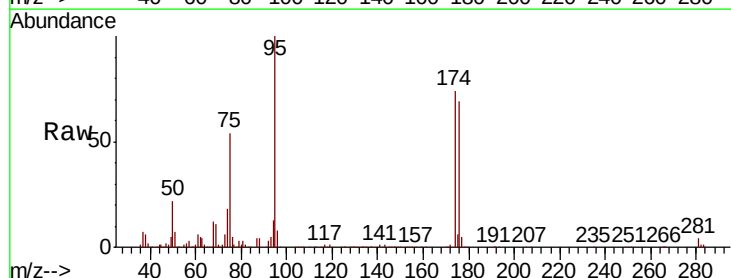
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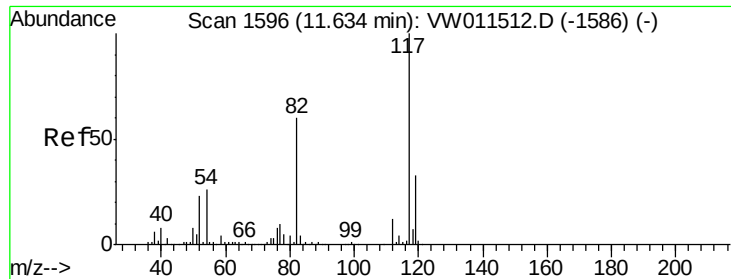
Tgt Ion: 98 Resp: 444527
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.549 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

Tgt Ion: 95 Resp: 140493
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 73.4 0.0 144.4

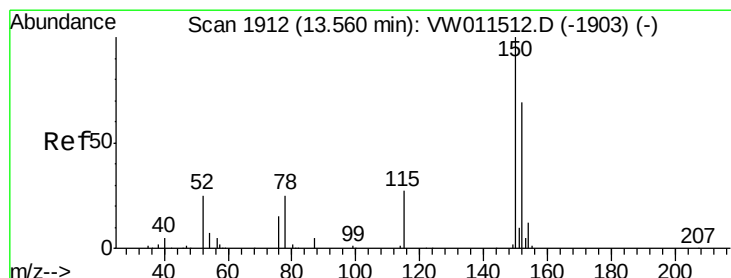
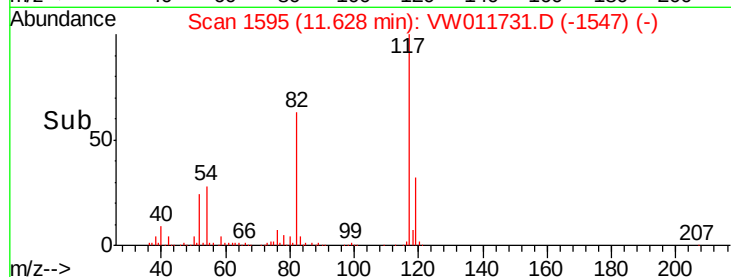
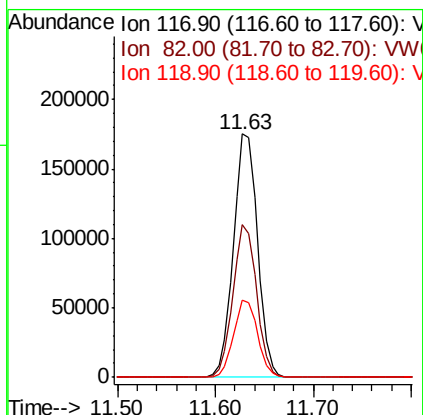
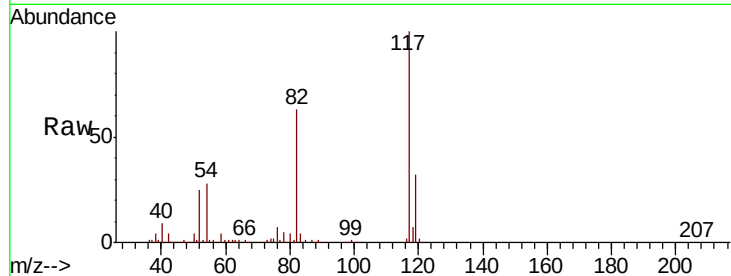




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

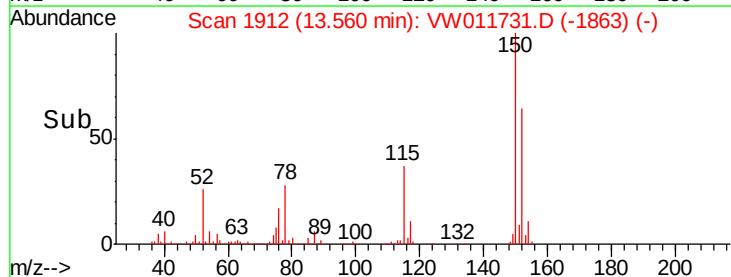
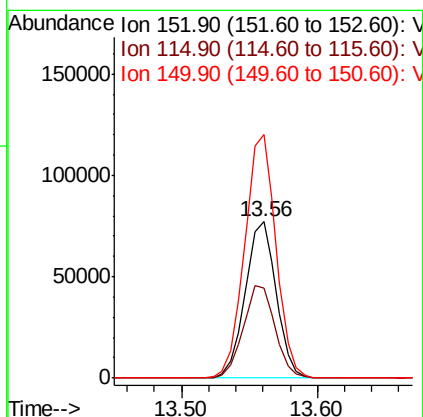
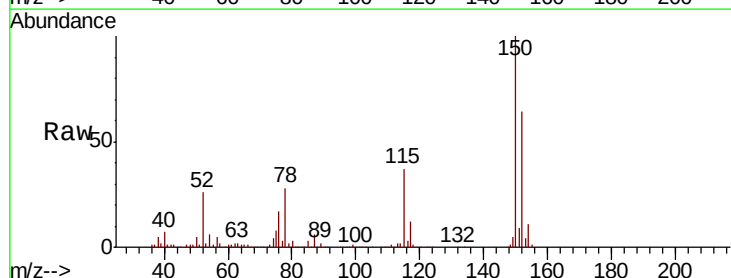
Instrument :
MSVOA_W
ClientSampleId :
OR-02-080219-BRE

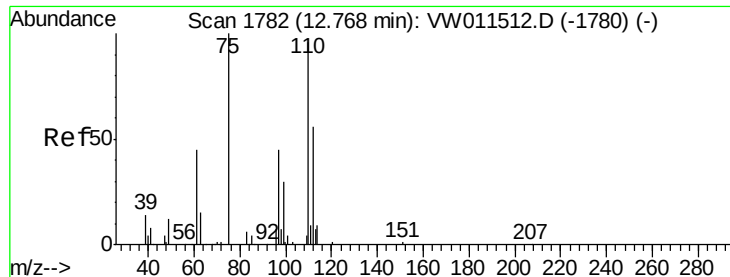
Tgt Ion:117 Resp: 300069
Ion Ratio Lower Upper
117 100
82 62.9 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011731.D
Acq: 06 Aug 2019 00:41

Tgt Ion:152 Resp: 123355
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 157.1 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 57.319 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011731.D

Acq: 06 Aug 2019 00:41

Instrument :

MSVOA_W

ClientSampleId :

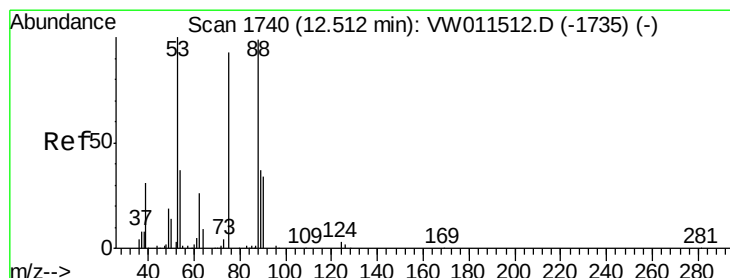
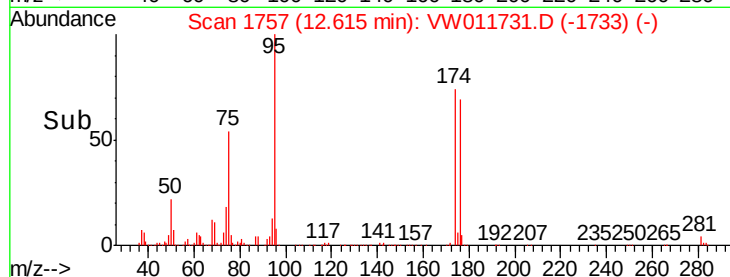
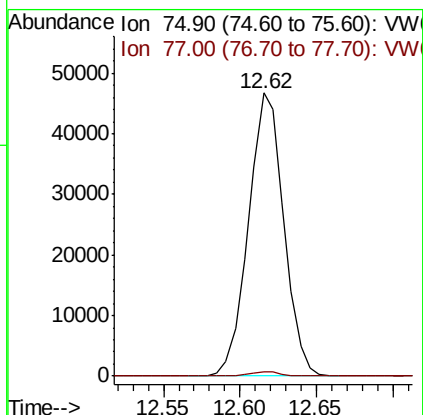
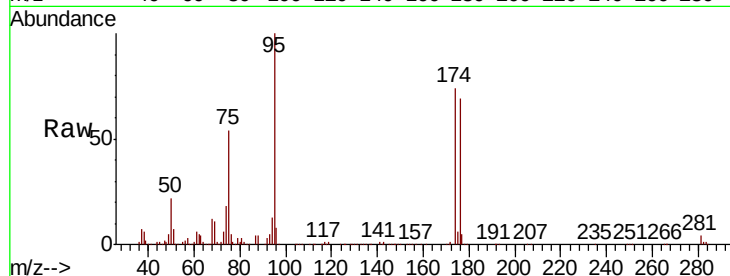
OR-02-080219-BRE

Tgt Ion: 75 Resp: 74815

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.101 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011731.D

Acq: 06 Aug 2019 00:41

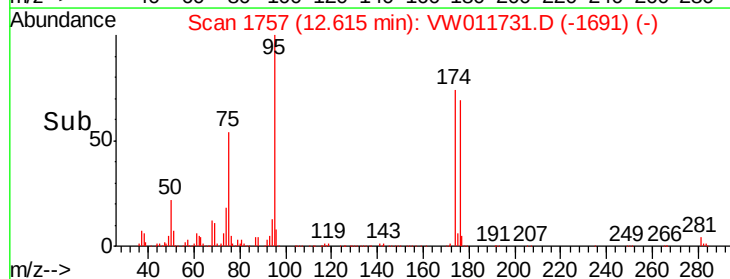
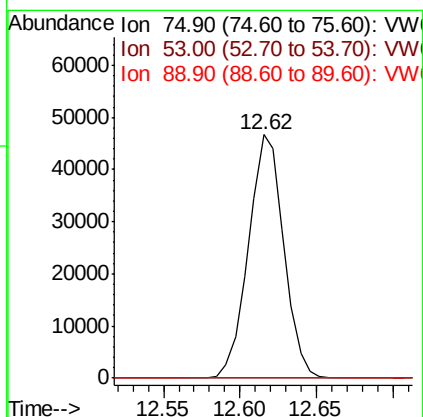
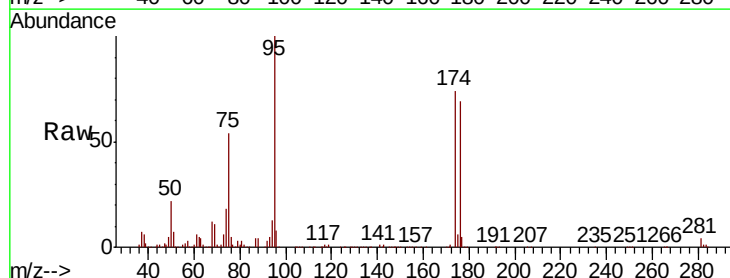
Tgt Ion: 75 Resp: 74815

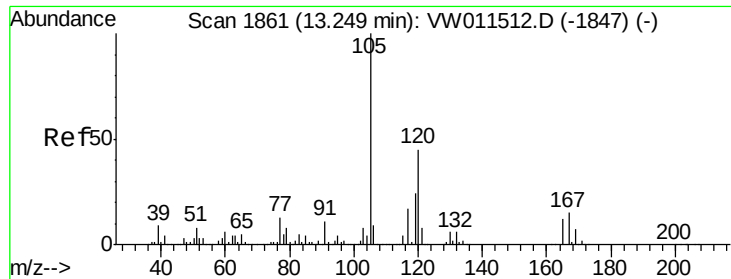
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#

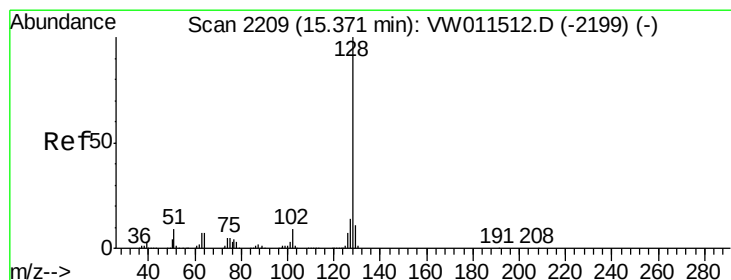
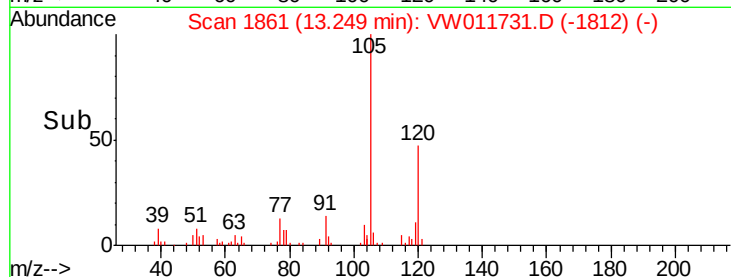
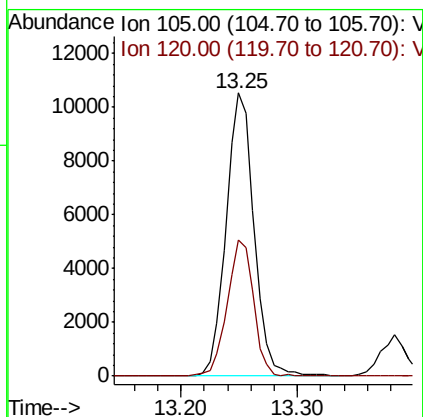
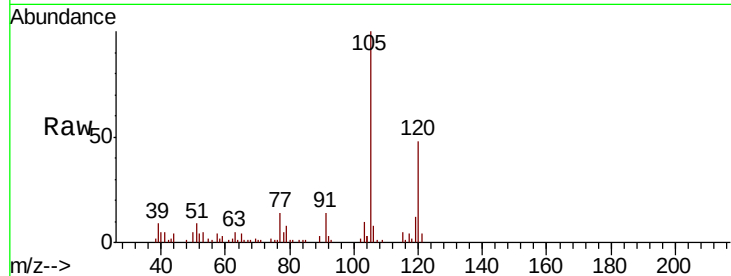




#84
 1,2,4-Trimethylbenzene
 Concen: 2.253 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011731.D
 Acq: 06 Aug 2019 00:41

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-080219-BRE

Tgt Ion:105 Resp: 17505
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.5



#95
 Naphthalene
 Concen: 108.082 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW011731.D
 Acq: 06 Aug 2019 00:41

Tgt Ion:128 Resp: 538532
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.6 16.0
 129 11.1 8.6 13.0

