

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013060.D
 Acq On : 17 Sep 2019 01:03
 Operator : SY/VA
 Sample : K4664-06
 Misc : 6.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-091319

Quant Time: Sep 17 07:27:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	521068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	164965	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	172821	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
35) Dibromofluoromethane	7.88	113	150261	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
50) Toluene-d8	10.32	98	620449	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.62	95	186907	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

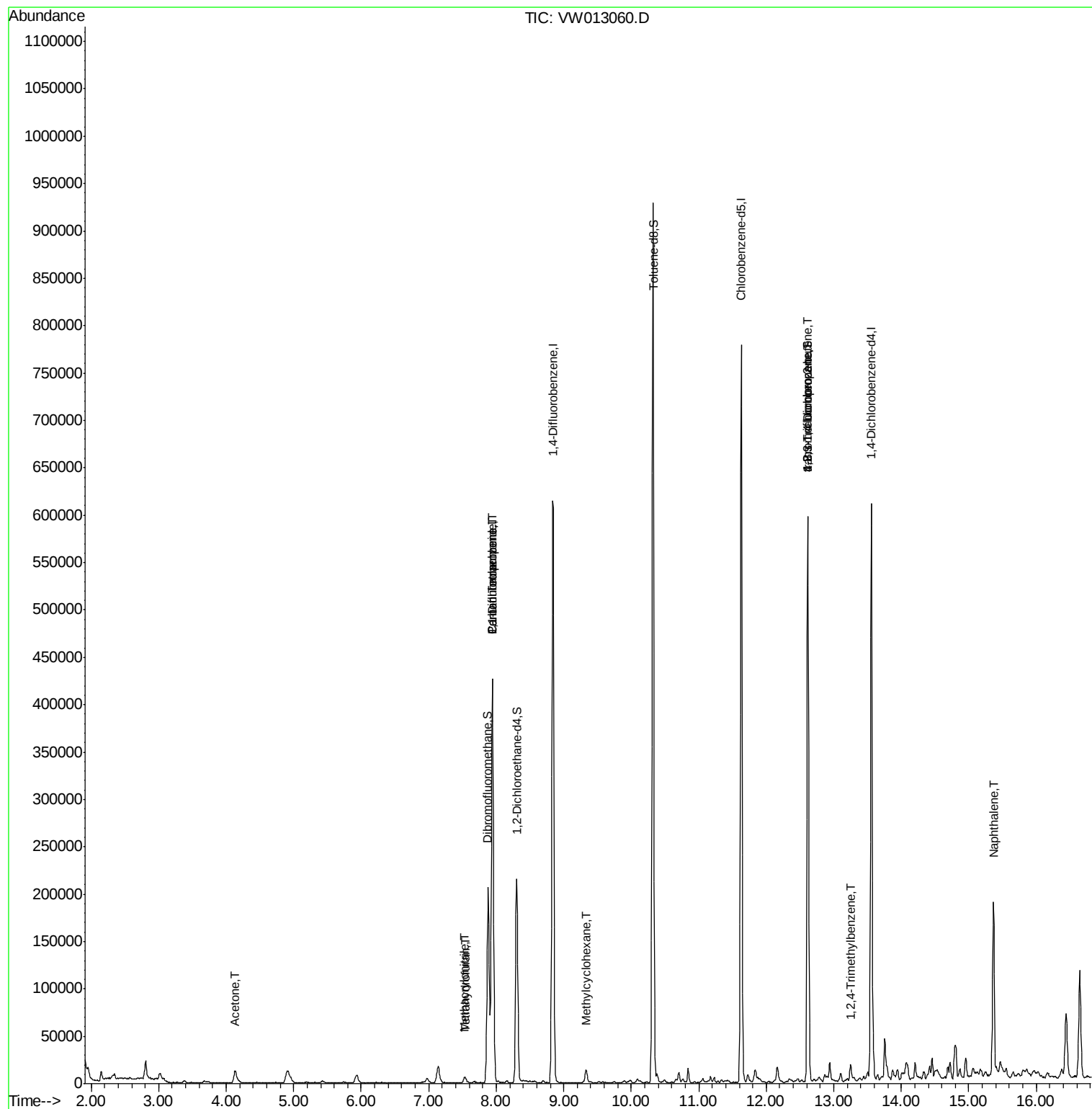
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	494	Below Cal	#	1
11) Tert butyl alcohol	5.15	59	355	Below Cal	#	72
13) Acrolein	3.90	56	22	Below Cal	#	15
16) Acetone	4.13	43	26227	20.738	ug/l	98
20) Methylene Chloride	4.90	84	8856	Below Cal	#	93
26) 2,2-Dichloropropane	7.13	77	1451	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	5507	9.723	ug/l	97
31) Cyclohexane	7.95	56	8873	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	25600	6.148	ug/l	51
38) Carbon Tetrachloride	7.95	117	31880	7.471	ug/l	15
39) Methylcyclohexane	9.33	83	4828	1.058	ug/l	95
41) Methacrylonitrile	7.52	41	3478	2.390	ug/l	53
76) 1,2,3-Trichloropropane	12.62	75	95867	66.346	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	95867	150.504	ug/l	7
84) 1,2,4-Trimethylbenzene	13.25	105	9856	1.078	ug/l	99
95) Naphthalene	15.36	128	156056	29.864	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: VW013060.D

Acq: 17 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

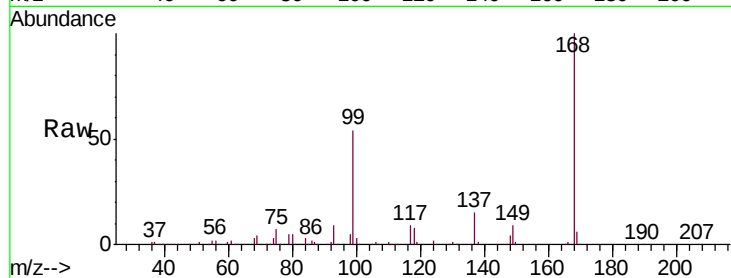
OR-02-091319

Tgt Ion:168 Resp: 338477

Ion Ratio Lower Upper

168 100

99 53.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

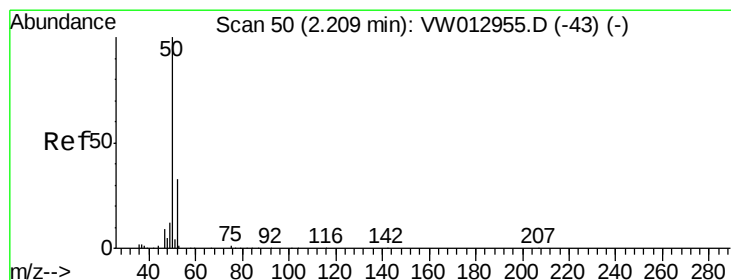
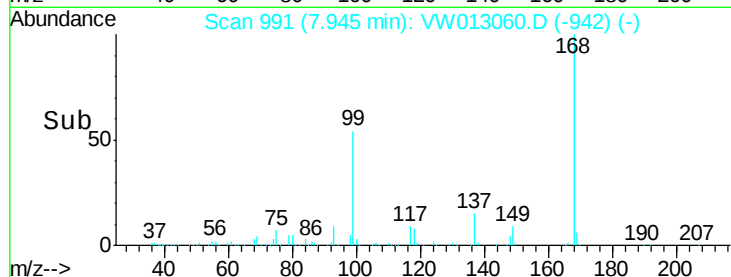
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013060.D

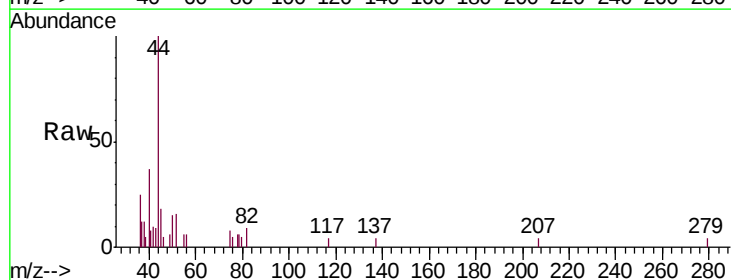
Acq: 17 Sep 2019 01:03

Tgt Ion: 50 Resp: 494

Ion Ratio Lower Upper

50 100

52 100.9 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

250

200

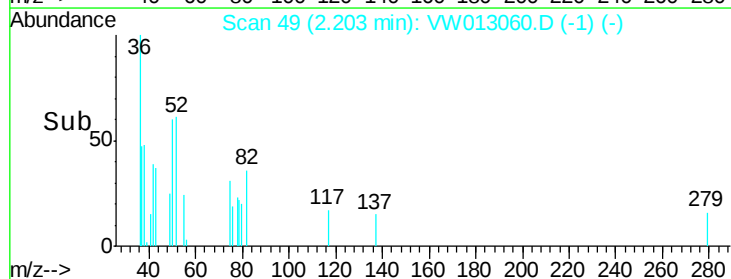
150

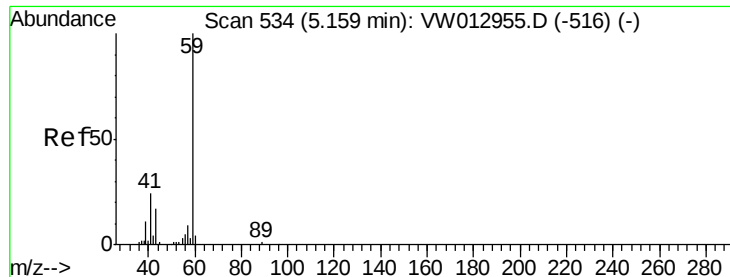
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50

0

Time-->

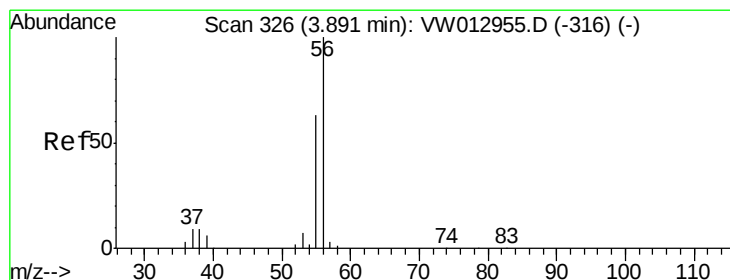
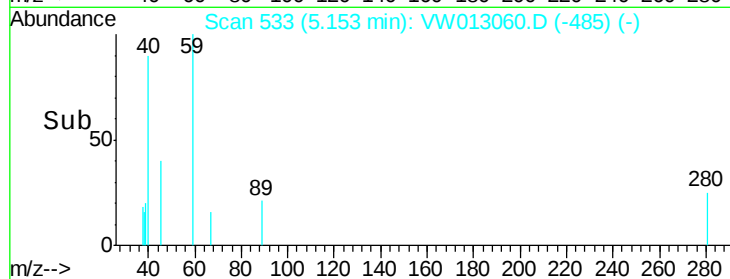
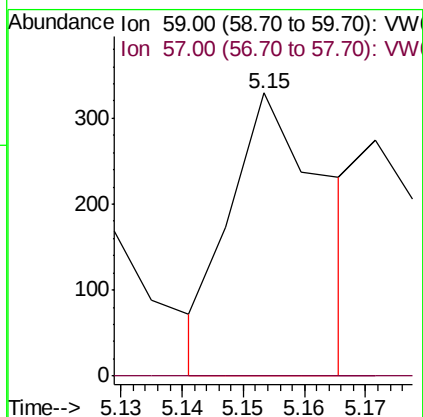
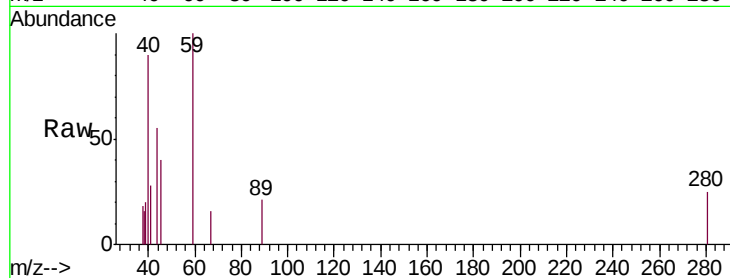




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

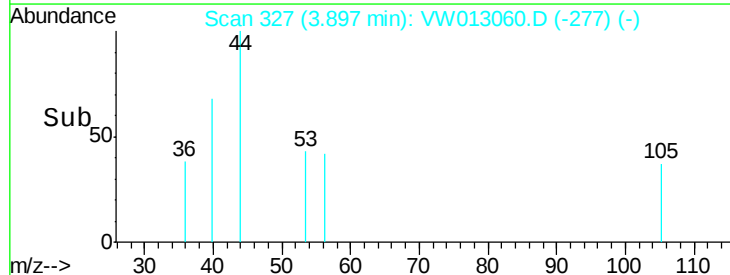
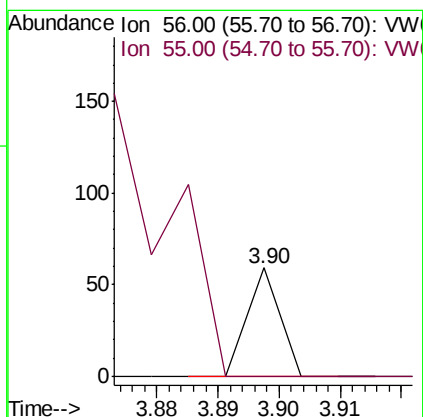
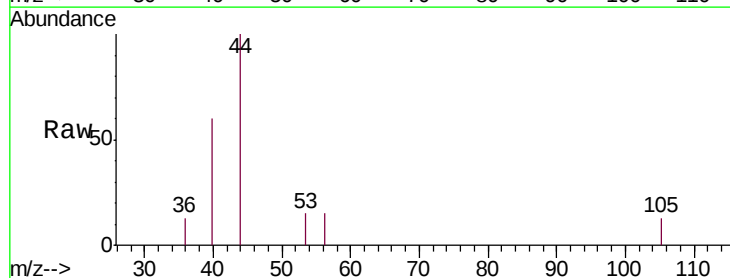
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MSVOA_W
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OR-02-091319

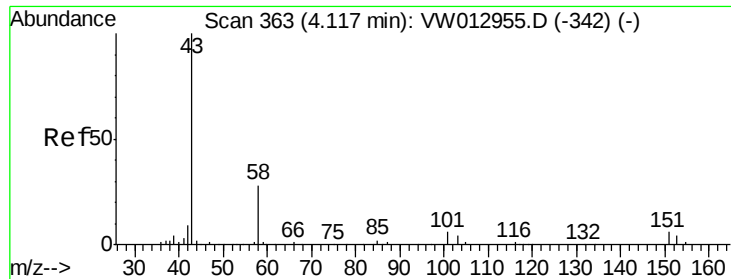
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: Below Cal
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#





#16

Acetone

Concen: 20.738 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013060.D

Acq: 17 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

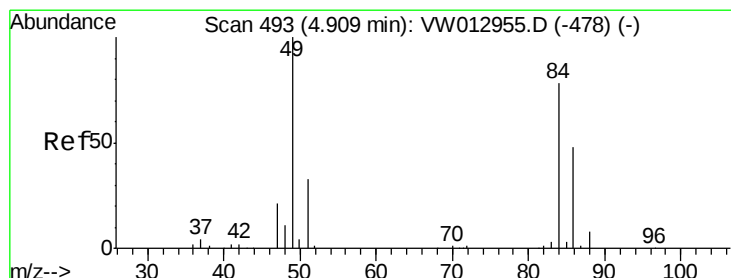
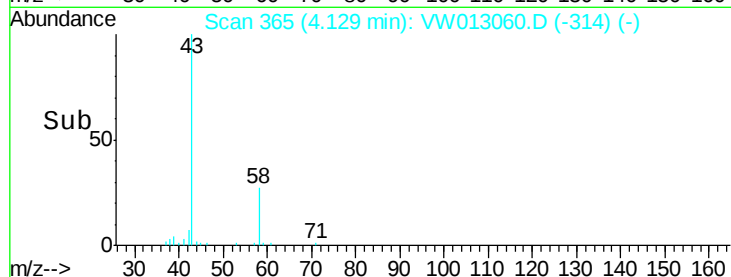
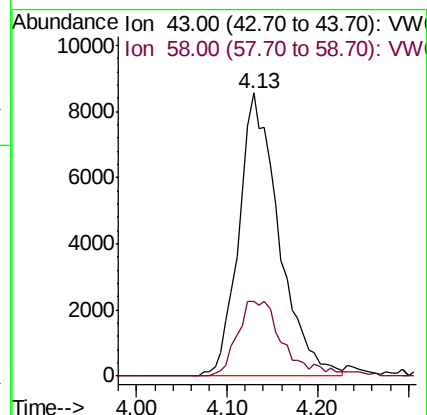
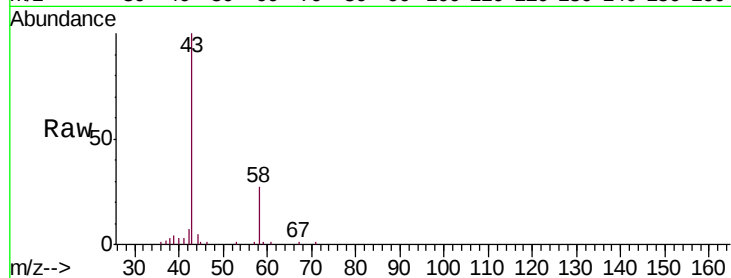
OR-02-091319

Tgt Ion: 43 Resp: 26227

Ion Ratio Lower Upper

43 100

58 26.6 22.3 33.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013060.D

Acq: 17 Sep 2019 01:03

Tgt Ion: 84 Resp: 8856

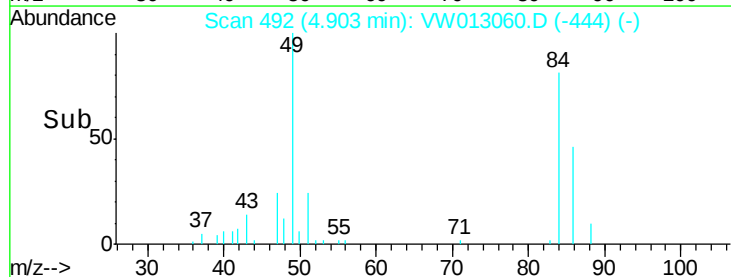
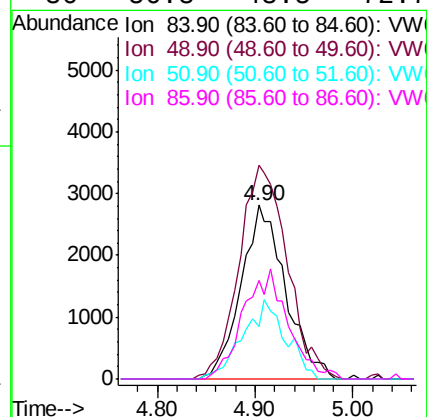
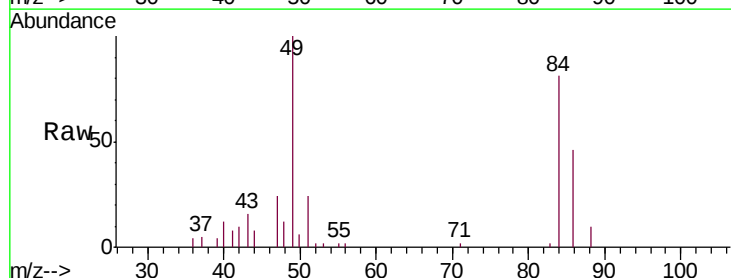
Ion Ratio Lower Upper

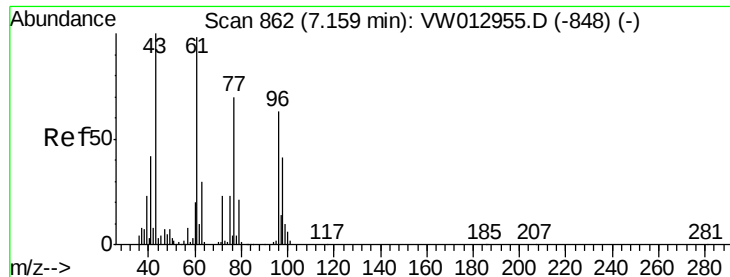
84 100

49 122.8 102.0 153.0

51 29.9 34.0 51.0#

86 56.8 48.5 72.7

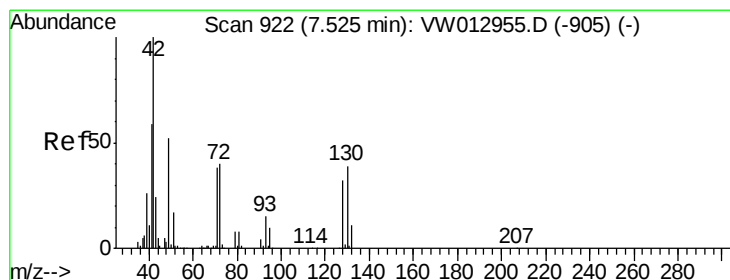
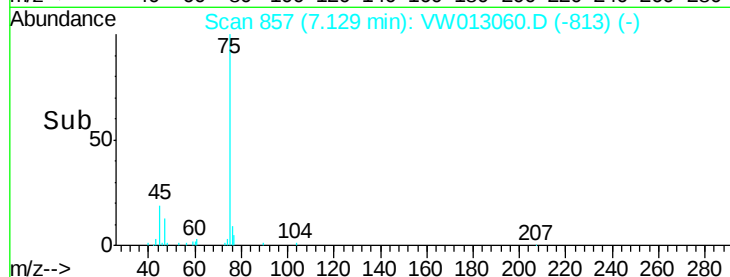
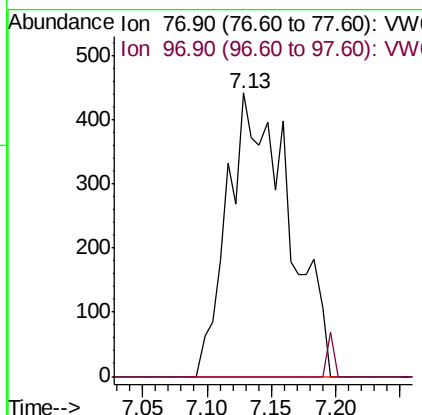
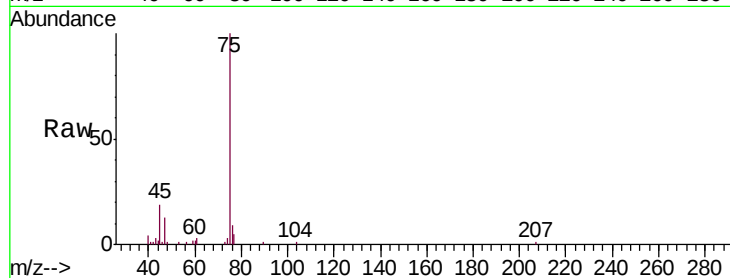




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.13 min Scan# 857
 Delta R.T. -0.03 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

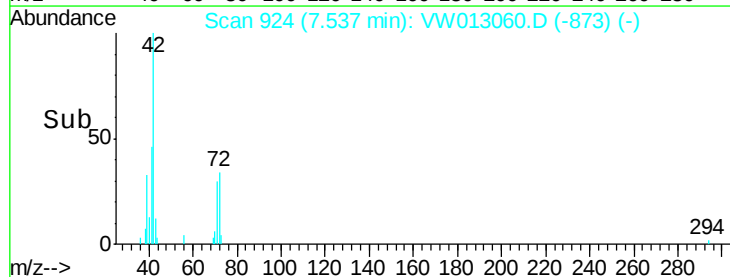
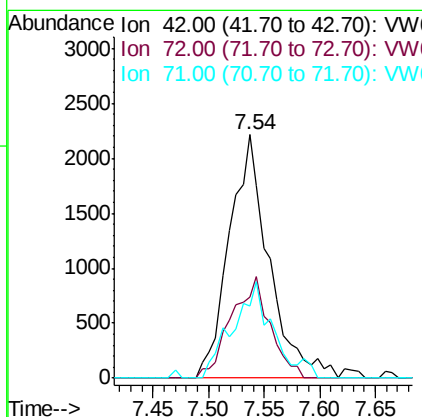
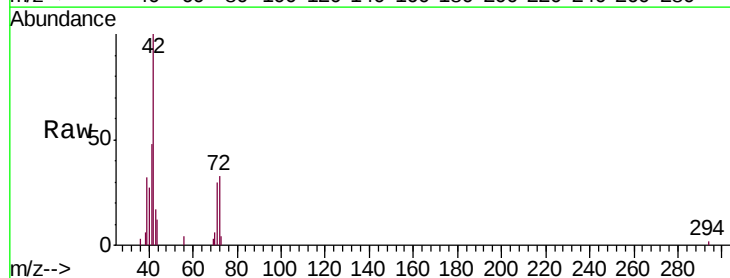
Instrument :
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 ClientSampleId :
 OR-02-091319

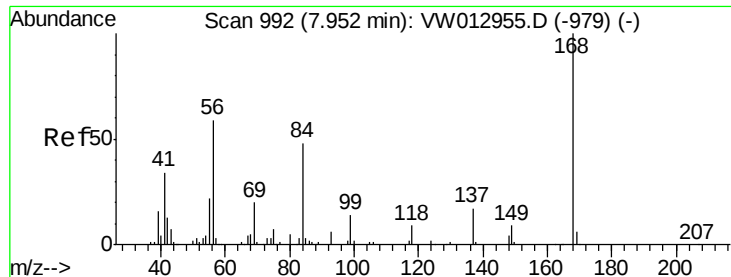
Tgt Ion: 77 Resp: 1451
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 9.723 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

Tgt Ion: 42 Resp: 5507
 Ion Ratio Lower Upper
 42 100
 72 40.5 31.4 47.0
 71 40.2 29.8 44.8

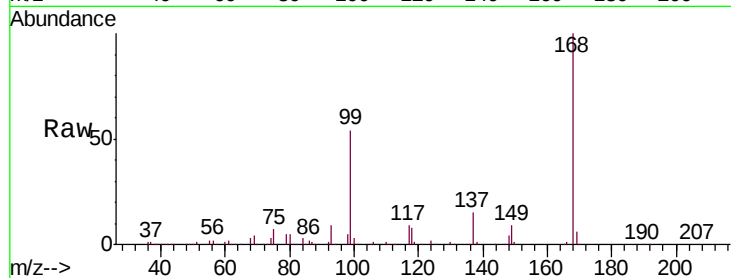




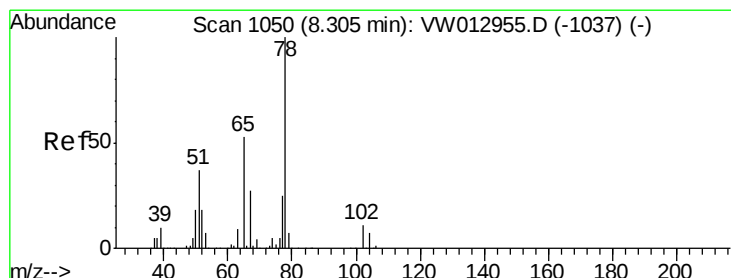
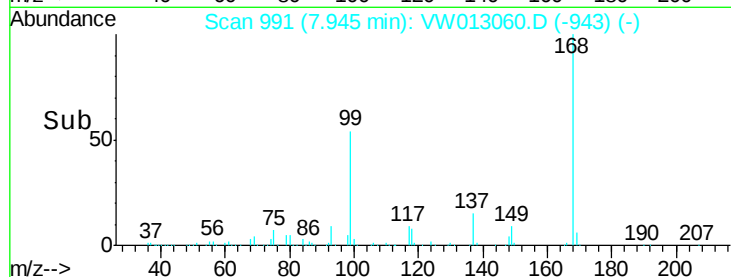
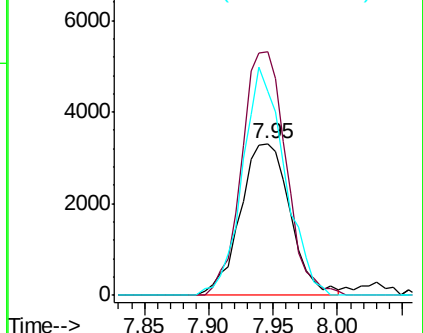
#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
OR-02-091319

Tgt Ion: 56 Resp: 8873
Ion Ratio Lower Upper
56 100
69 160.2 27.0 40.6#
84 133.8 66.2 99.2#

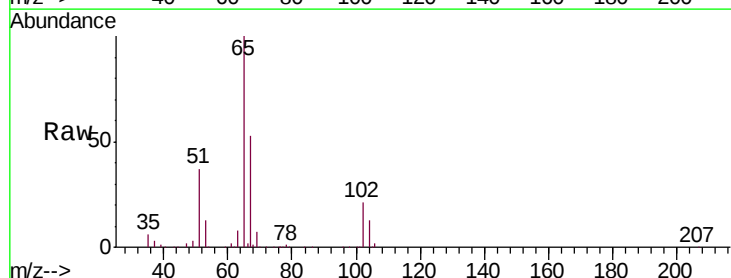


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

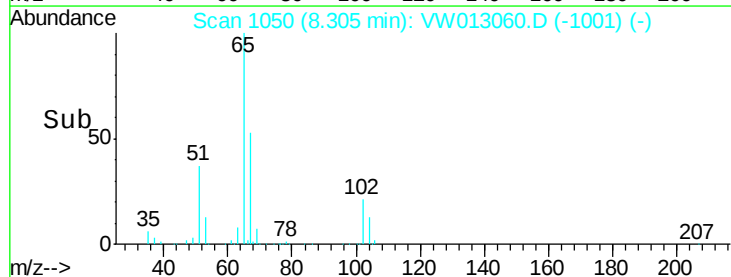
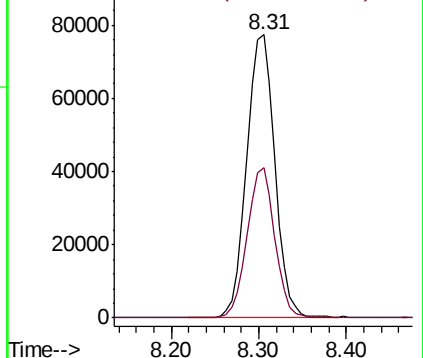


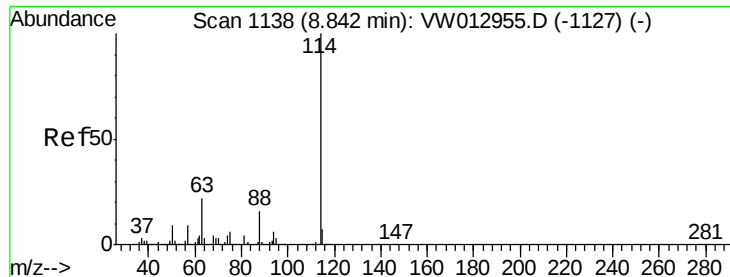
#33
1,2-Dichloroethane-d4
Concen: 55.284 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

Tgt Ion: 65 Resp: 172821
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.2



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

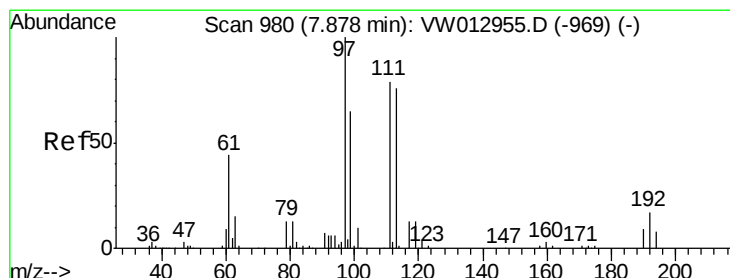
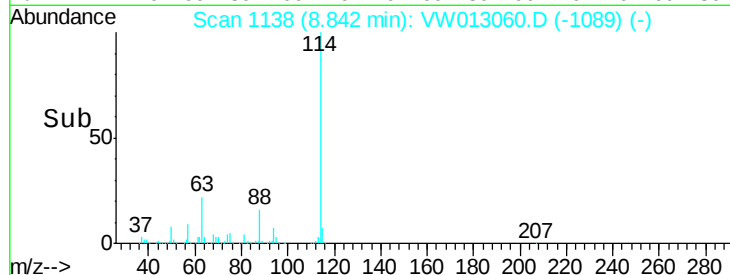
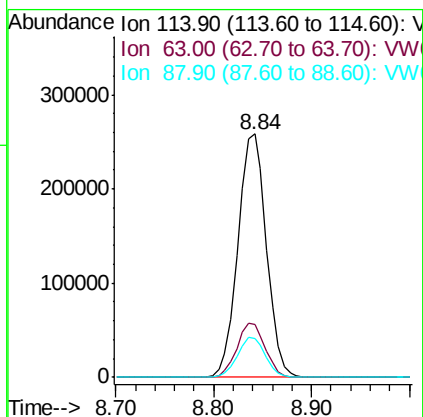
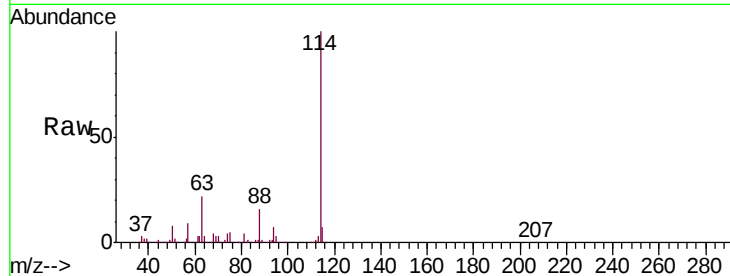




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

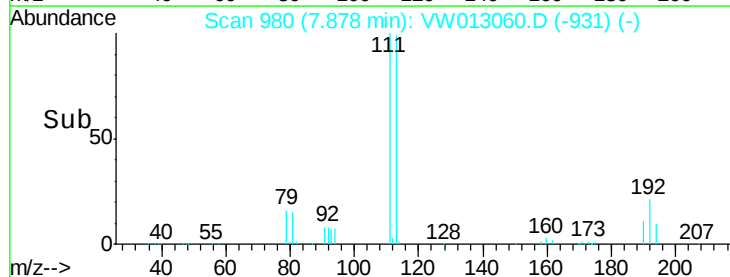
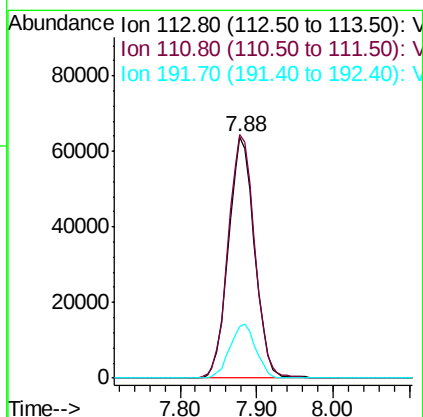
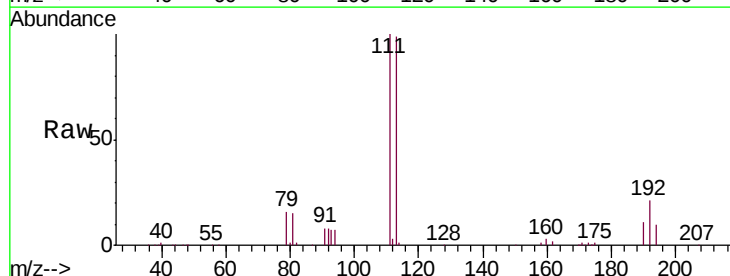
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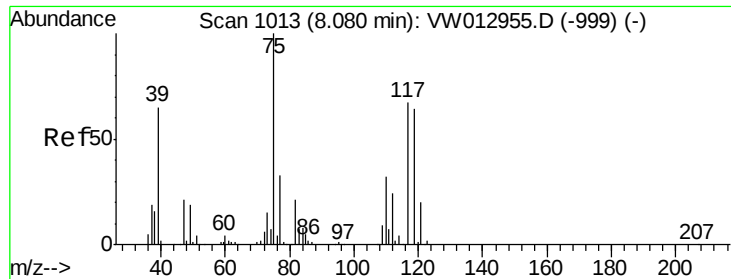
Tgt Ion:114 Resp: 521068
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.0 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 53.145 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

Tgt Ion:113 Resp: 150261
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 22.4 17.8 26.8

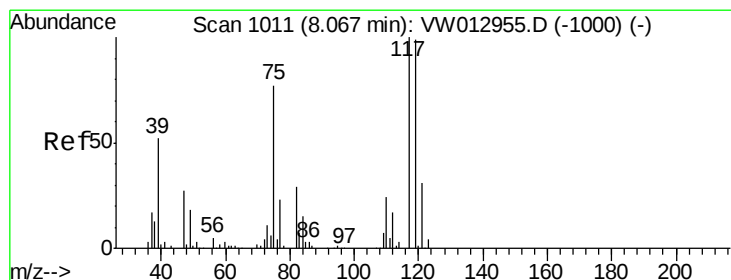
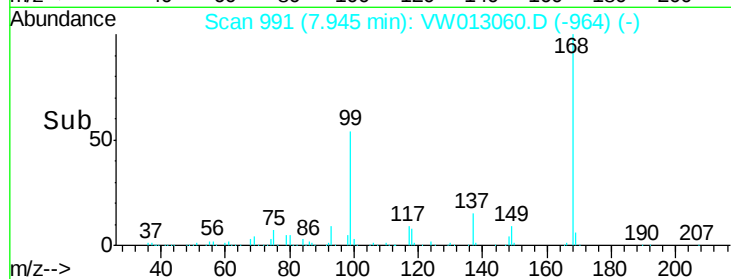
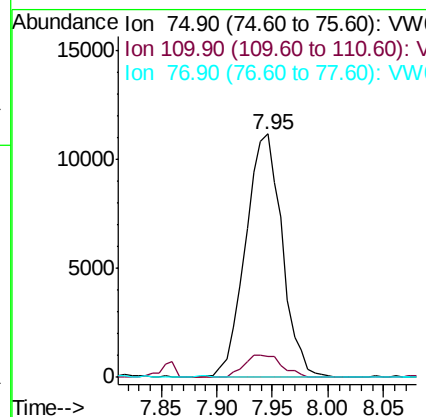
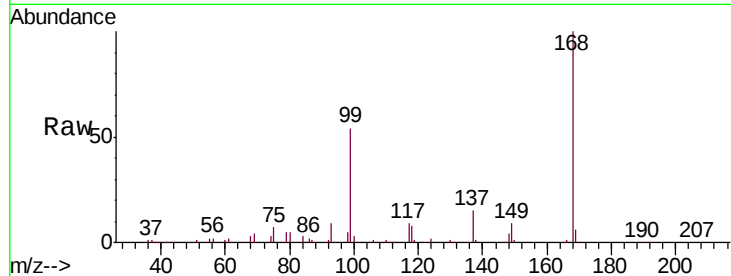




#36
 1,1-Dichloropropene
 Concen: 6.148 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

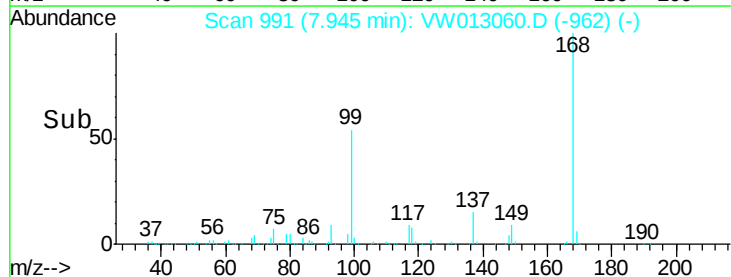
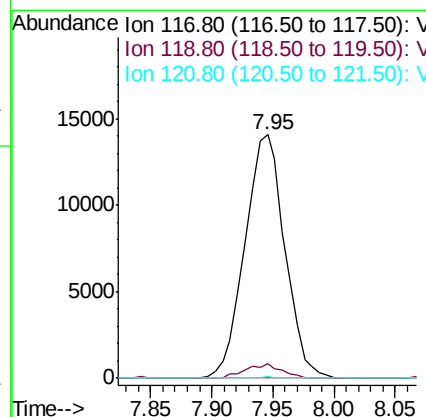
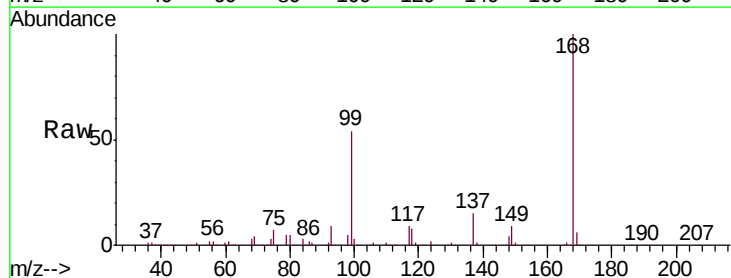
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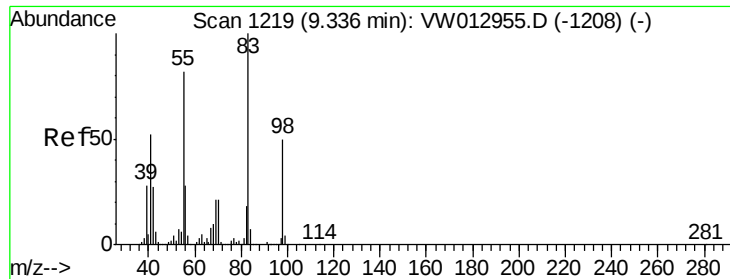
Tgt Ion: 75 Resp: 25600
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.471 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

Tgt Ion: 117 Resp: 31880
 Ion Ratio Lower Upper
 117 100
 119 5.8 79.4 119.0#
 121 0.6 24.6 36.8#

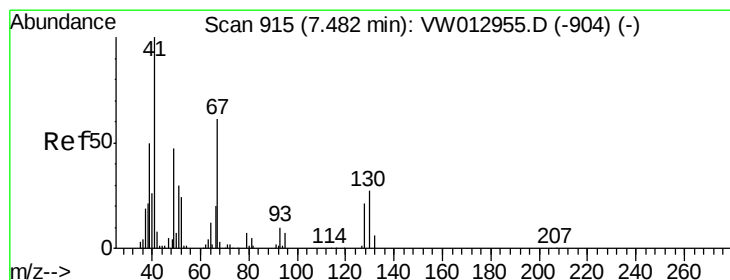
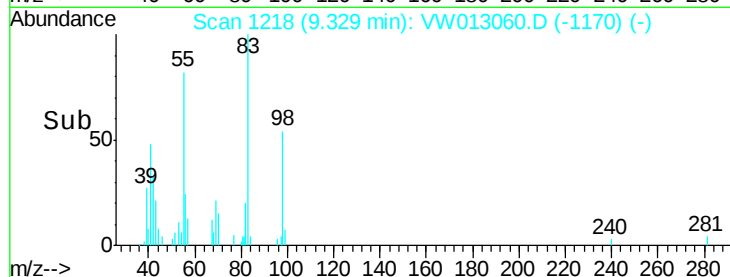
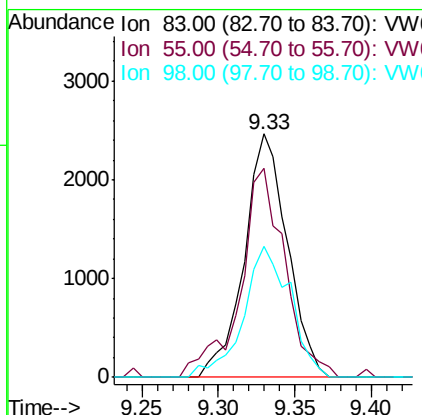
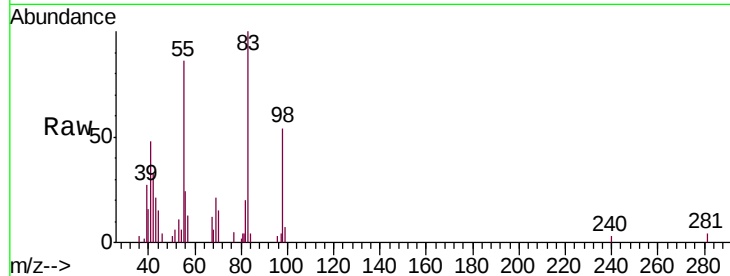




#39
Methylcyclohexane
Concen: 1.058 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

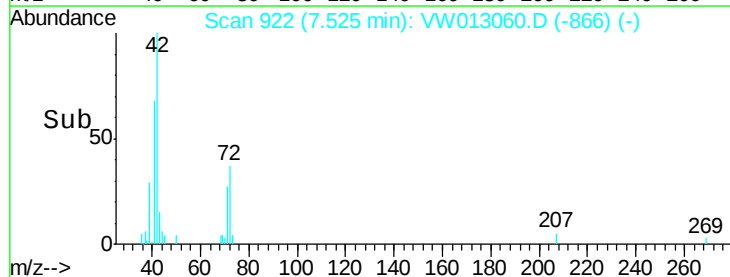
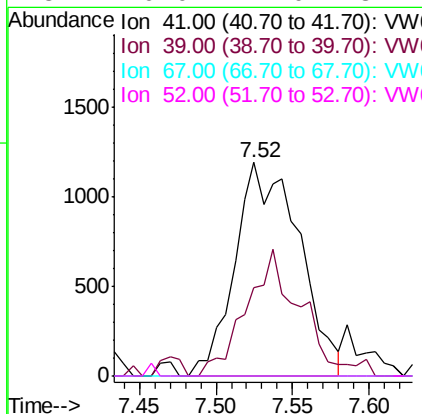
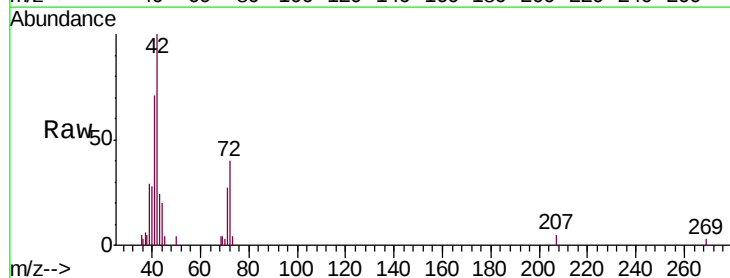
Instrument :
MSVOA_W
ClientSampleId :
OR-02-091319

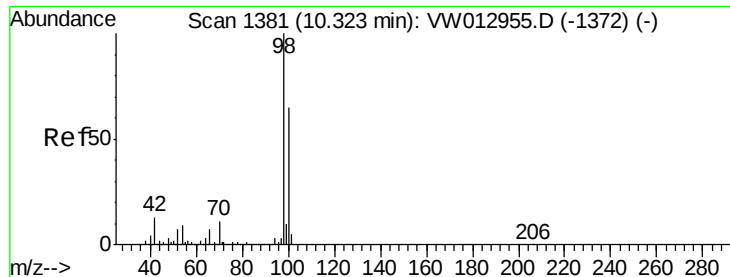
Tgt Ion: 83 Resp: 4828
Ion Ratio Lower Upper
83 100
55 86.1 65.9 98.9
98 53.5 39.6 59.4



#41
Methacrylonitrile
Concen: 2.390 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

Tgt Ion: 41 Resp: 3478
Ion Ratio Lower Upper
41 100
39 50.8 48.2 72.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#





#50

Toluene-d8

Concen: 56.079 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013060.D

Acq: 17 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

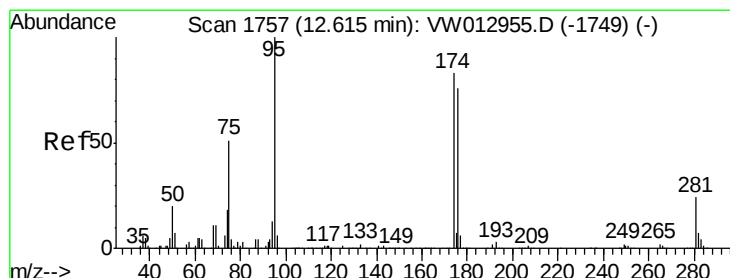
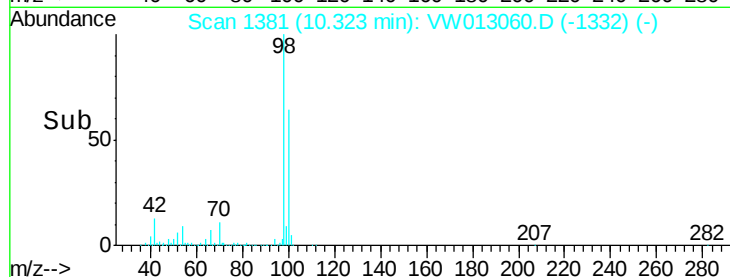
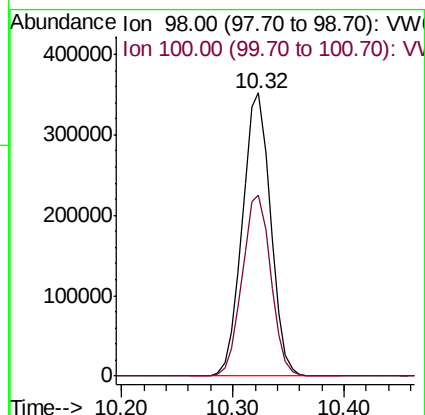
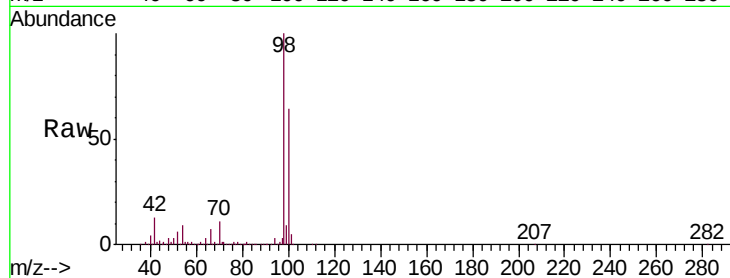
OR-02-091319

Tgt Ion: 98 Resp: 620449

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.981 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013060.D

Acq: 17 Sep 2019 01:03

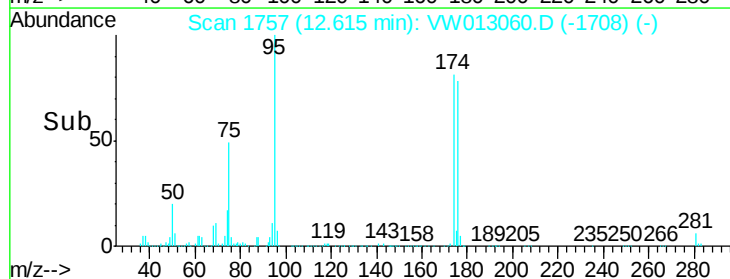
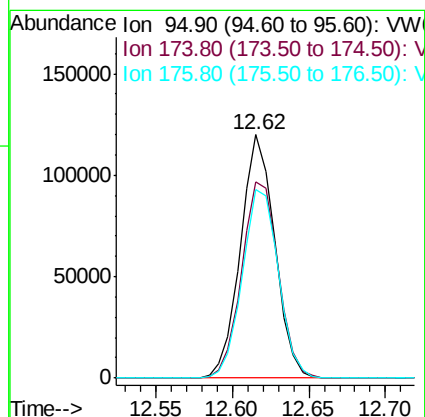
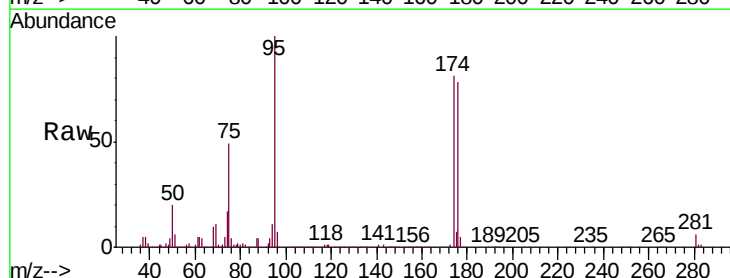
Tgt Ion: 95 Resp: 186907

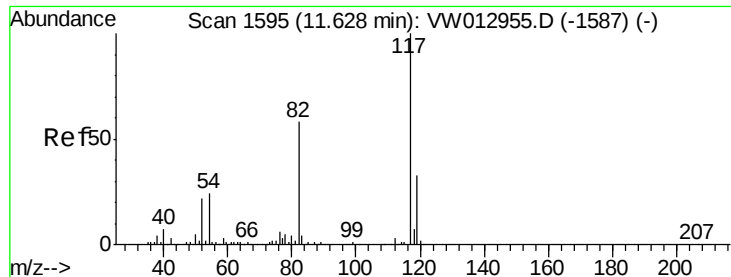
Ion Ratio Lower Upper

95 100

174 85.8 0.0 170.4

176 81.8 0.0 164.6

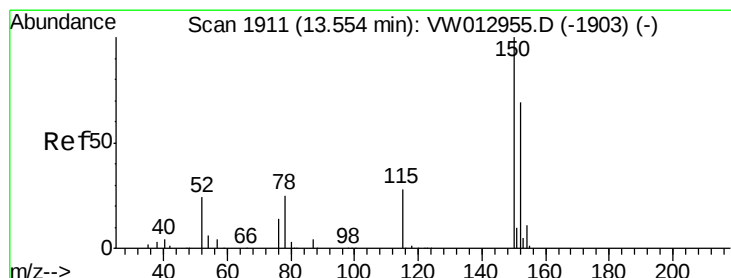
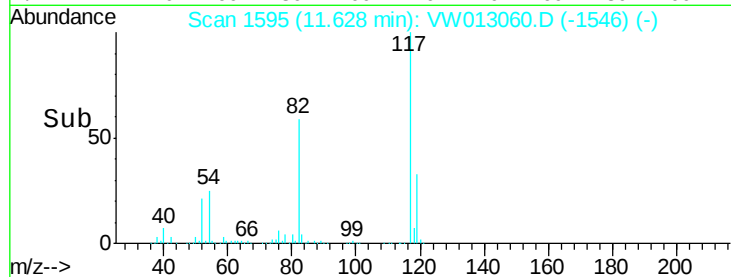
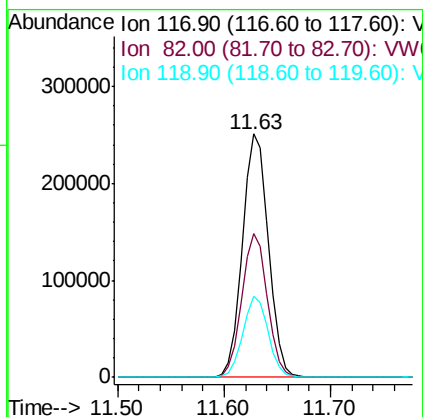
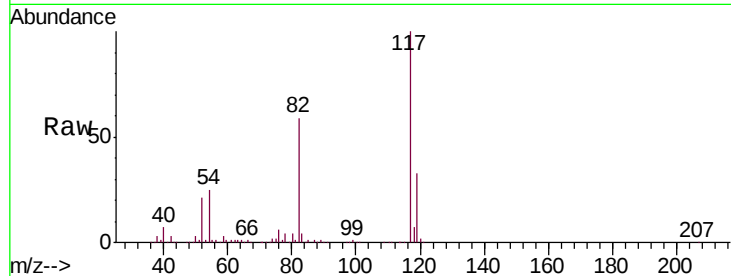




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

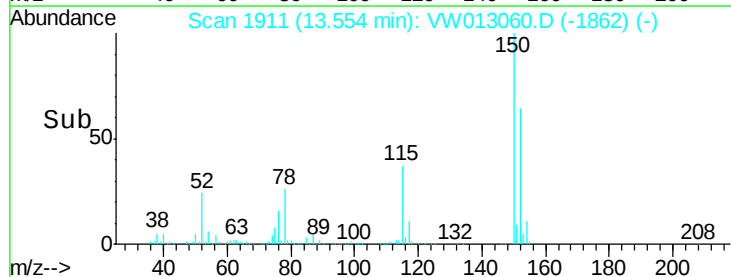
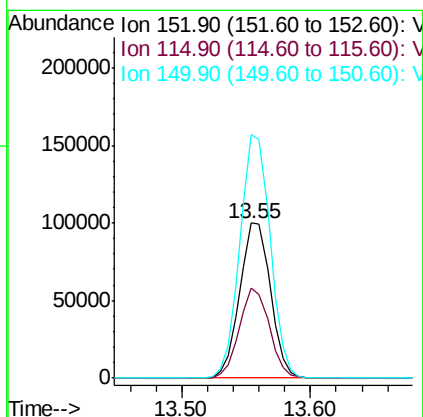
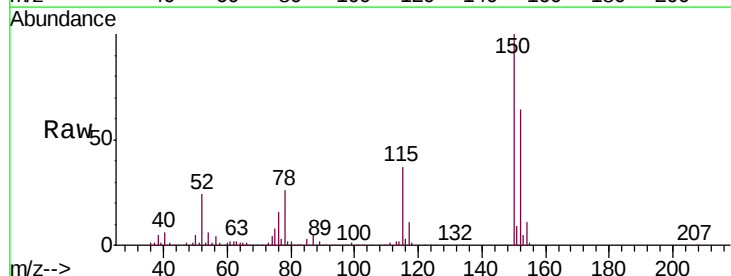
Instrument :
MSVOA_W
ClientSampleId :
OR-02-091319

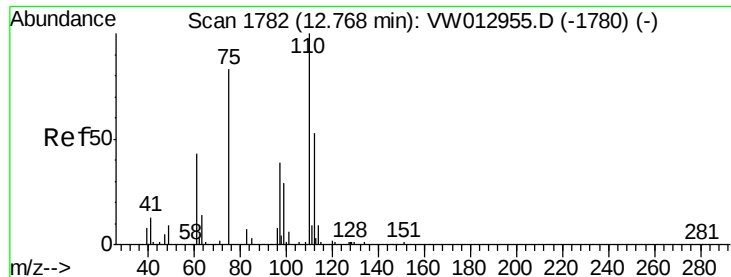
Tgt Ion:117 Resp: 430328
Ion Ratio Lower Upper
117 100
82 58.8 46.3 69.5
119 33.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013060.D
Acq: 17 Sep 2019 01:03

Tgt Ion:152 Resp: 164965
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.4
150 155.3 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 66.346 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013060.D

Acq: 17 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

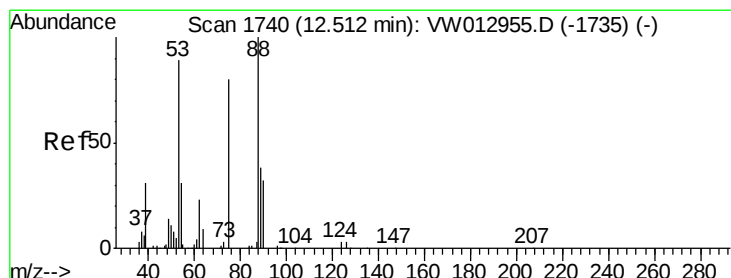
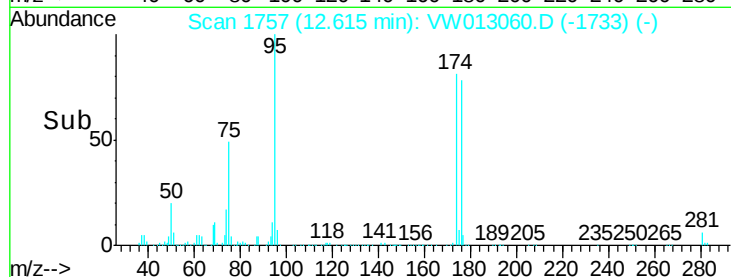
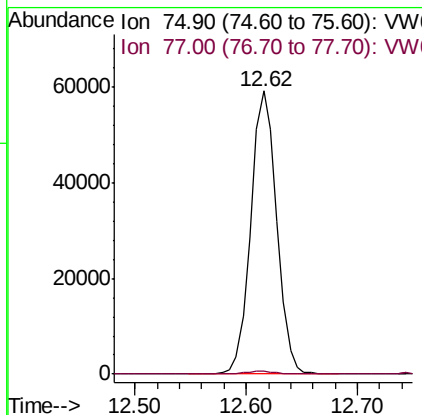
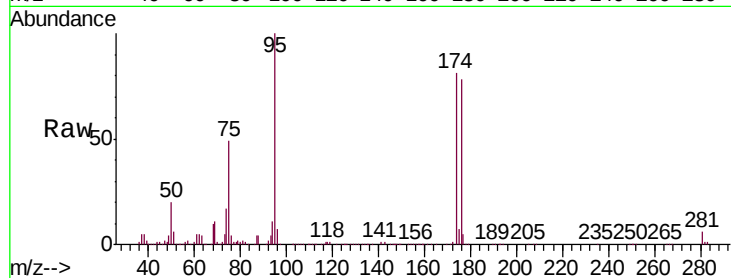
OR-02-091319

Tgt Ion: 75 Resp: 95867

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.504 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013060.D

Acq: 17 Sep 2019 01:03

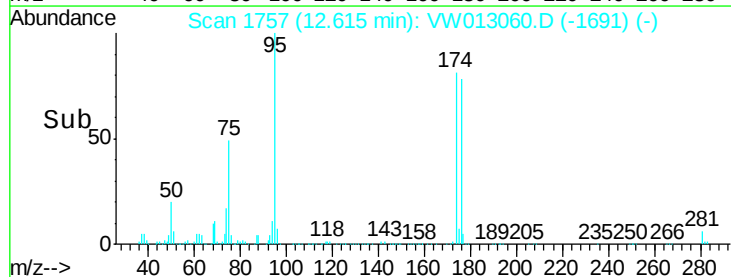
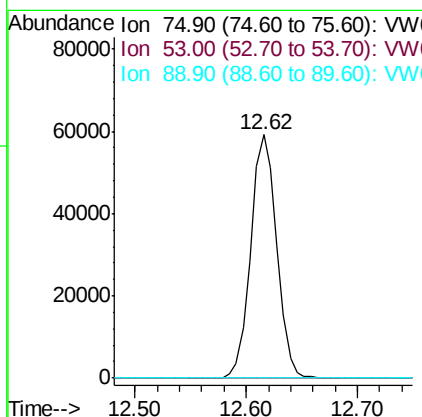
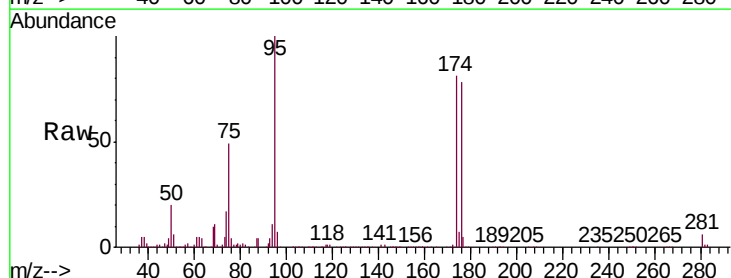
Tgt Ion: 75 Resp: 95867

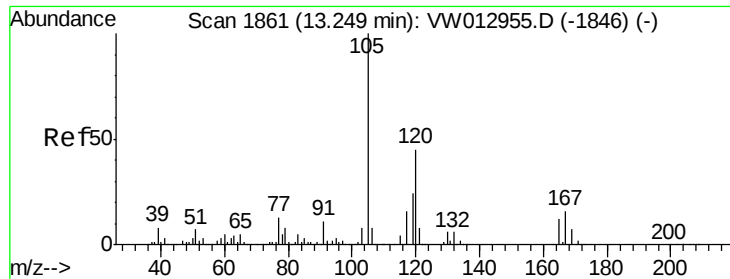
Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.0 37.2 55.8#

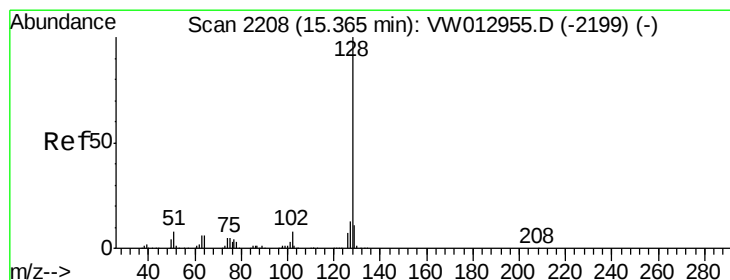
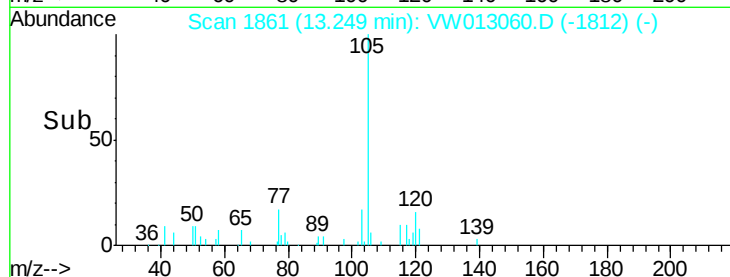
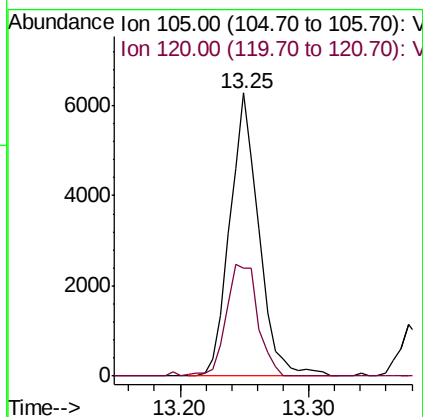
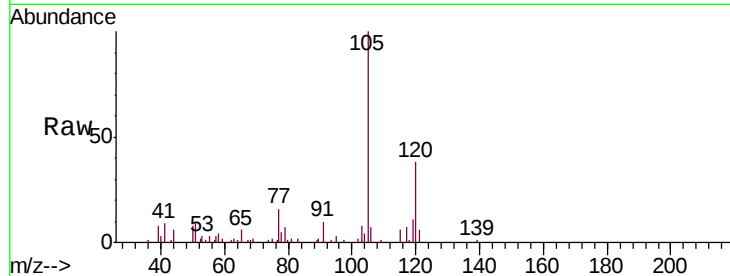




#84
 1,2,4-Trimethylbenzene
 Concen: 1.078 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-091319

Tgt Ion:105 Resp: 9856
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.7



#95
 Naphthalene
 Concen: 29.864 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013060.D
 Acq: 17 Sep 2019 01:03

Tgt Ion:128 Resp: 156056
 Ion Ratio Lower Upper
 128 100
 127 13.7 11.0 16.6
 129 11.3 8.6 12.8

