

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059360.D
 Acq On : 22 Nov 2019 13:35
 Operator : JC/SP
 Sample : K5957-03
 Misc : 5.21g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-(12-14)

Quant Time: Nov 22 15:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	328331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	503901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	436095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	179471	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	186448	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	7.57	113	147177	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.08	98	609221	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	195461	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

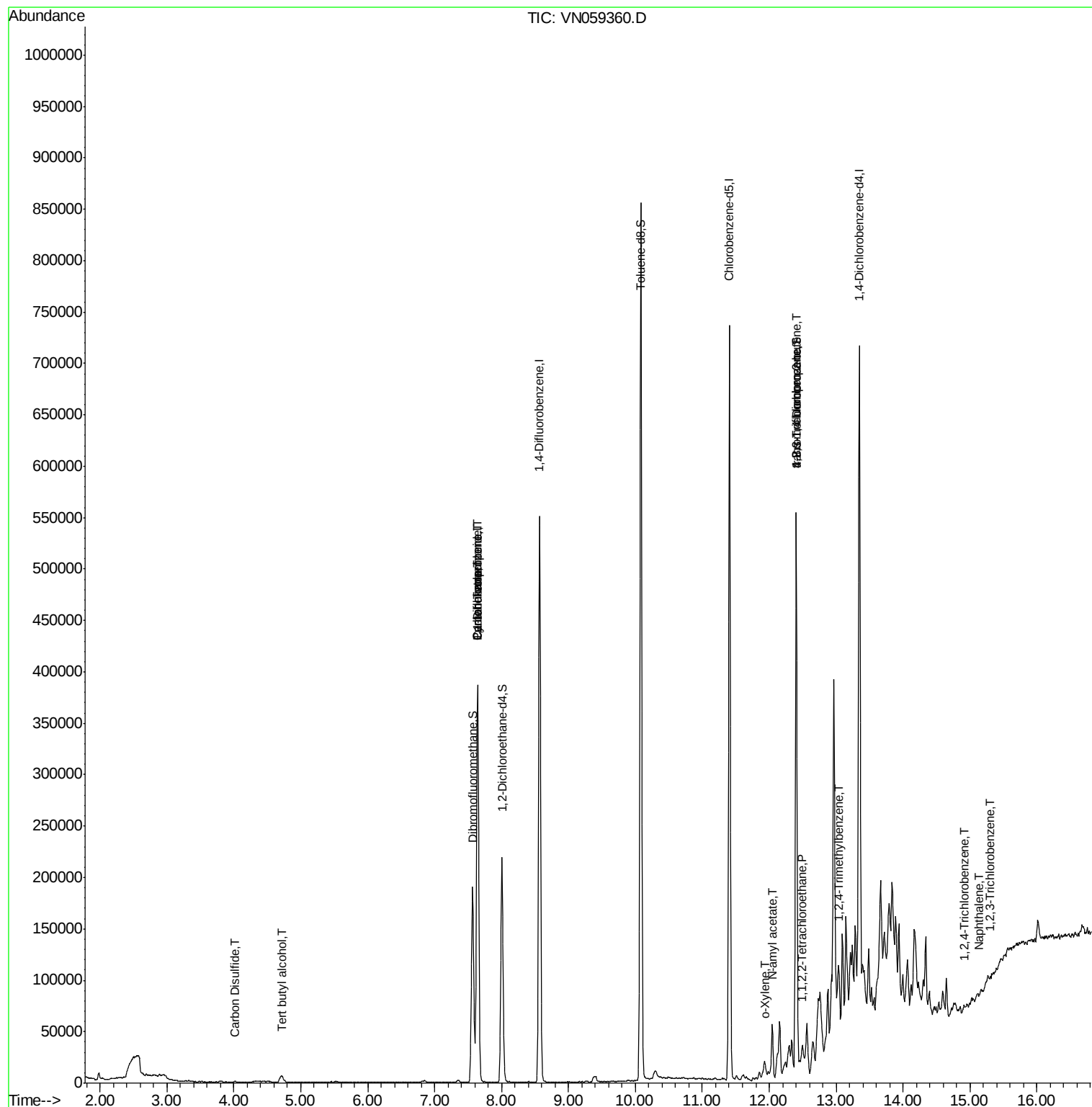
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	7363	9.335	ug/l #	73
17) Carbon Disulfide	4.01	76	1190	0.247	ug/l #	75
31) Cyclohexane	7.64	56	5788	0.834	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	23577	4.532	ug/l #	50
38) Carbon Tetrachloride	7.64	117	30259	6.076	ug/l #	16
69) o-Xylene	11.95	106	1438	0.241	ug/l	88
74) N-amyl acetate	12.05	43	11313	1.915	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.48	83	2973	0.611	ug/l #	39
76) 1,2,3-Trichloropropane	12.40	75	94831	22.872	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	94831	57.206	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	10003	0.826	ug/l	95
93) 1,2,4-Trichlorobenzene	14.92	180	339	3.022	ug/l #	1
95) Naphthalene	15.14	128	1266	3.280	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	522	2.035	ug/l #	51

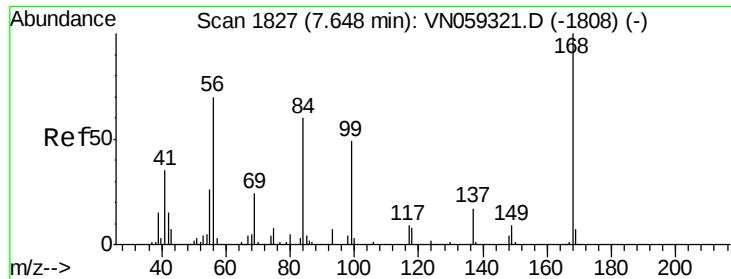
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-2-(12-14)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

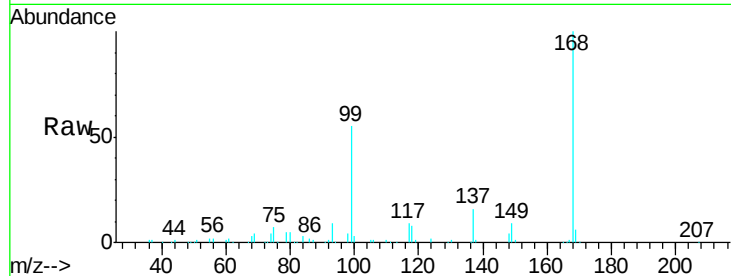
MW-2-(12-14)

Tgt Ion: 168 Resp: 328331

Ion Ratio Lower Upper

168 100

99 55.1 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059360.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059360.D (-1734) (-)

7.64

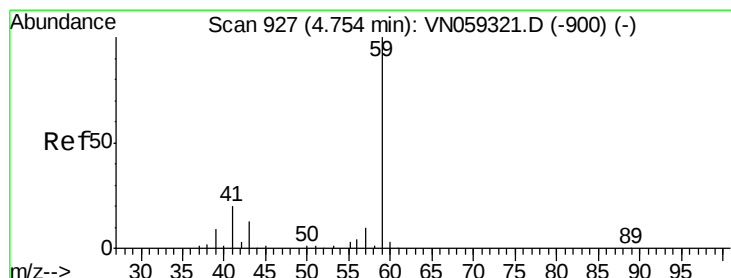
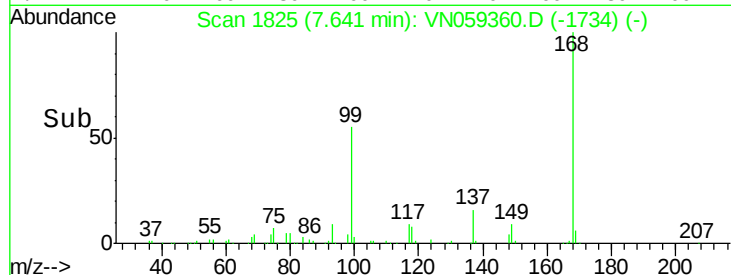
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 9.335 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.04 min

Lab File: VN059360.D

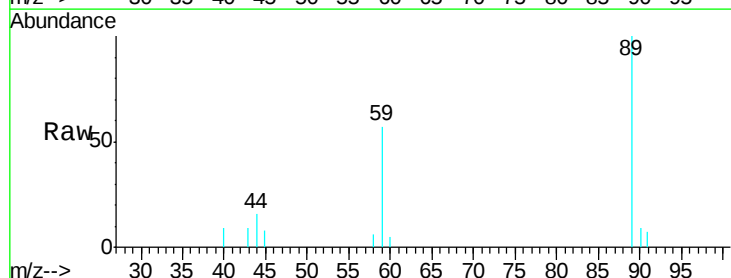
Acq: 22 Nov 2019 13:35

Tgt Ion: 59 Resp: 7363

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN059360.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059360.D (-834) (-)

4.71

2000

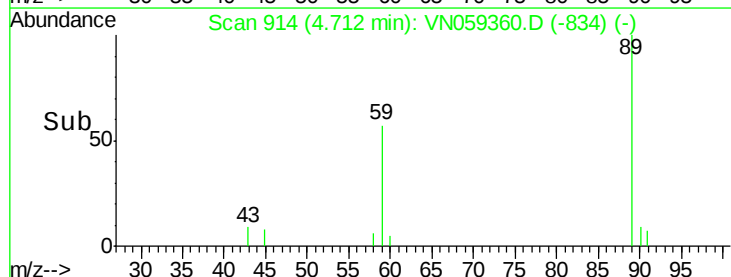
1500

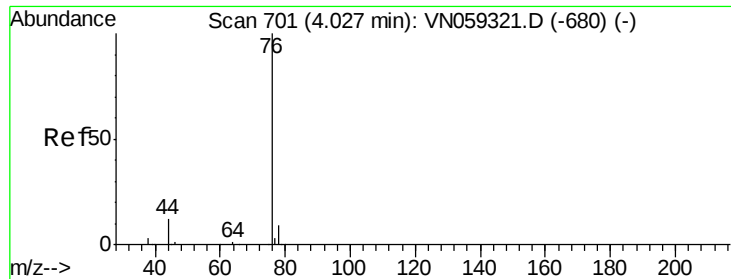
1000

500

0

Time--> 4.60 4.70 4.80





#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.02 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

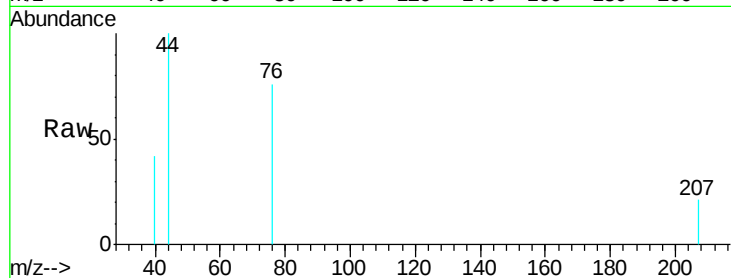
MW-2-(12-14)

Tgt Ion: 76 Resp: 1190

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN059321.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN059321.D (-680) (-)

4.01

600

500

400

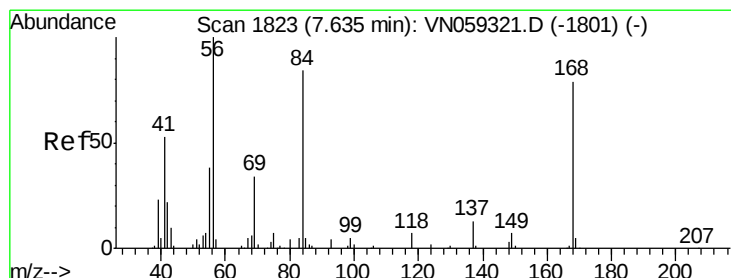
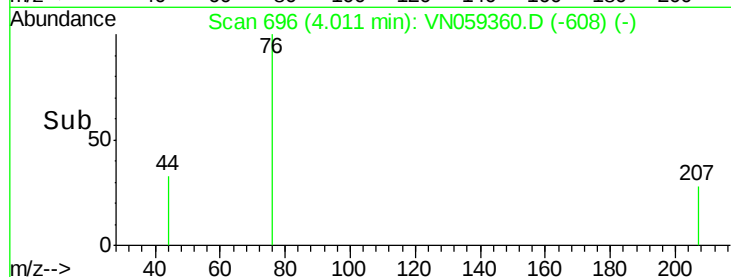
300

200

100

0

Time--> 3.95 4.00 4.05



#31

Cyclohexane

Concen: 0.834 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

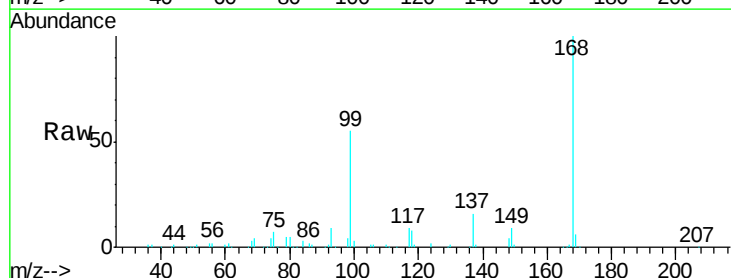
Tgt Ion: 56 Resp: 5788

Ion Ratio Lower Upper

56 100

69 211.8 26.6 40.0#

84 156.3 67.0 100.4#



Abundance Ion 56.00 (55.70 to 56.70): VN059321.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN059321.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN059321.D (-1801) (-)

7.64

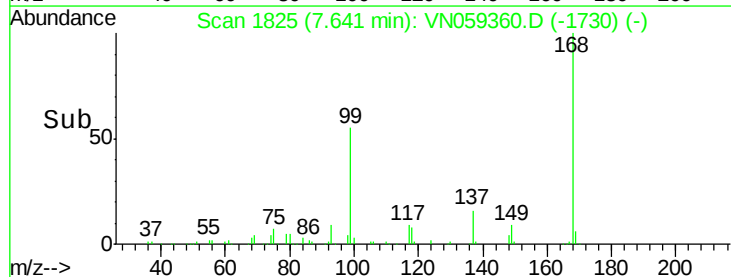
6000

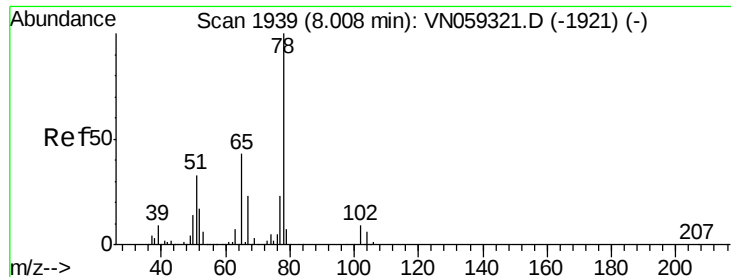
4000

2000

0

Time--> 7.60 7.65 7.70

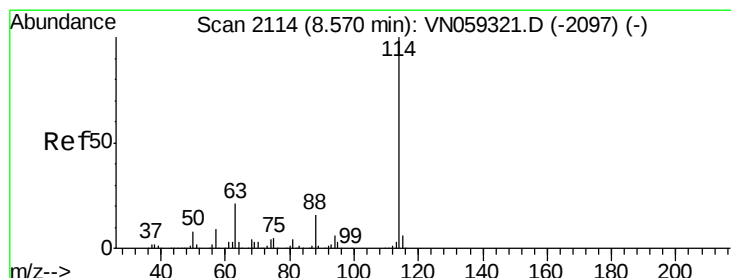
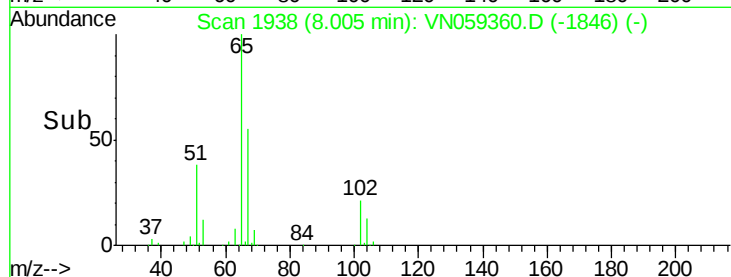
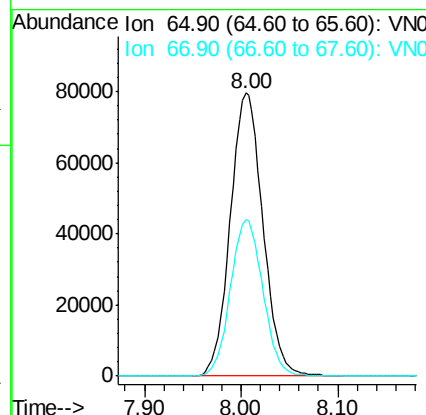
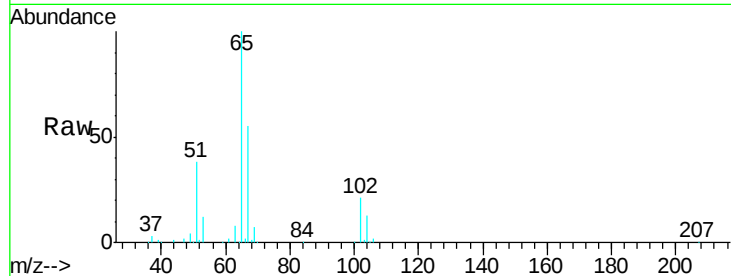




#33
 1,2-Dichloroethane-d4
 Concen: 47.329 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059360.D
 Acq: 22 Nov 2019 13:35

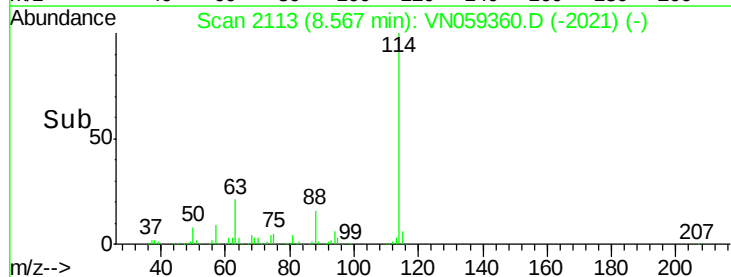
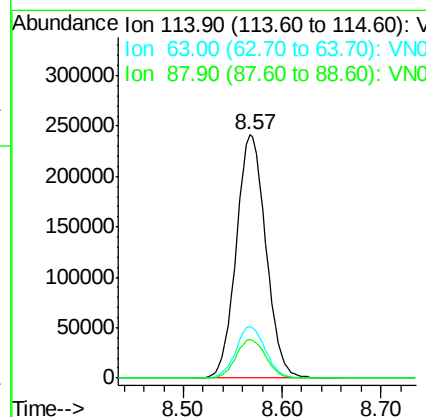
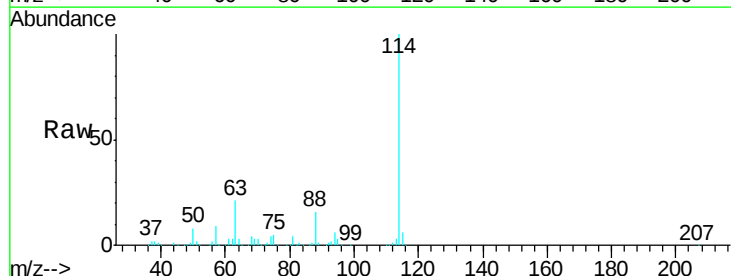
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-(12-14)

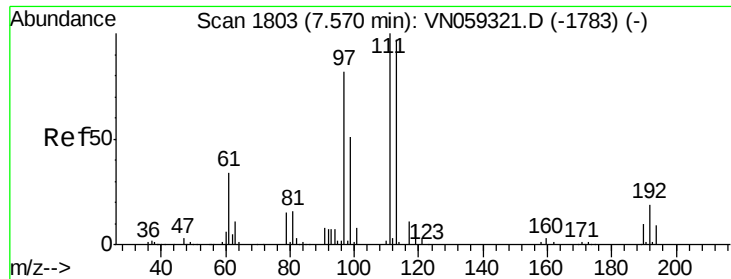
Tgt Ion: 65 Resp: 186448
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059360.D
 Acq: 22 Nov 2019 13:35

Tgt Ion: 114 Resp: 503901
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 16.0 0.0 32.2

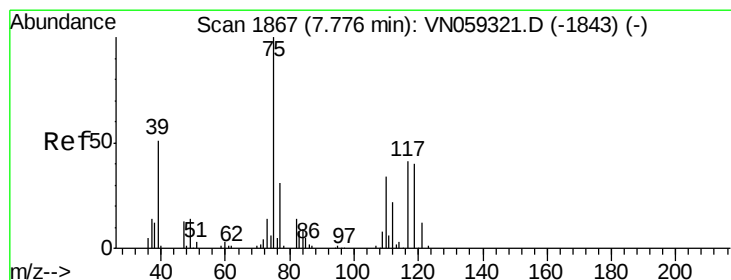
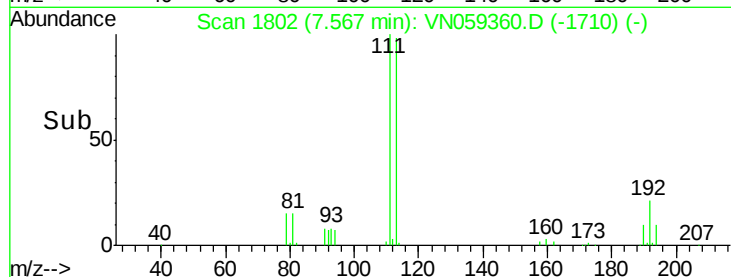
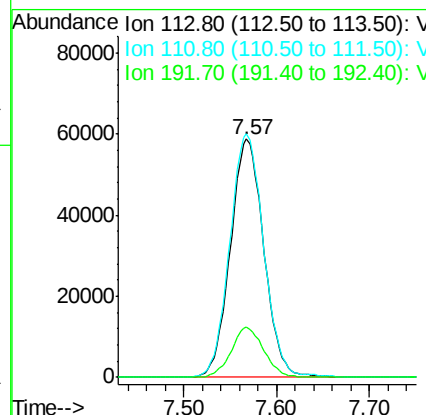
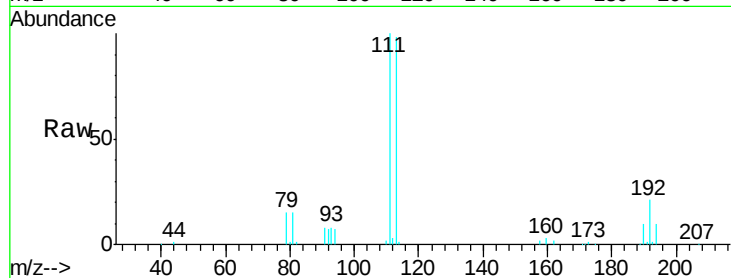




#35
Dibromofluoromethane
Concen: 48.684 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059360.D
Acq: 22 Nov 2019 13:35

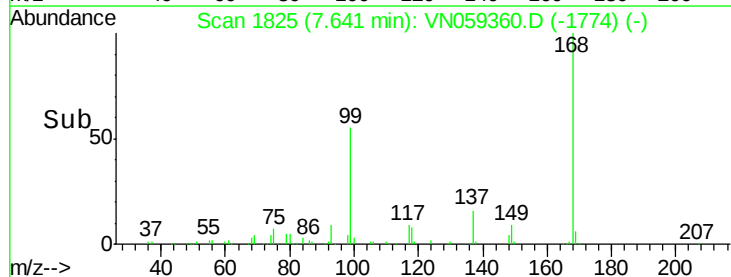
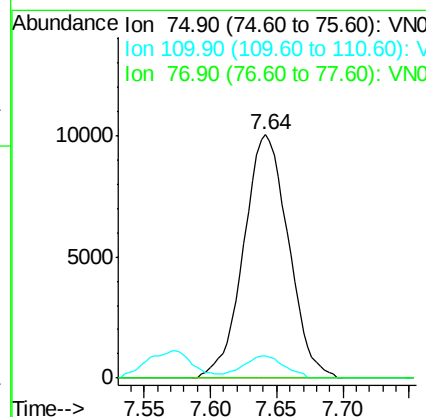
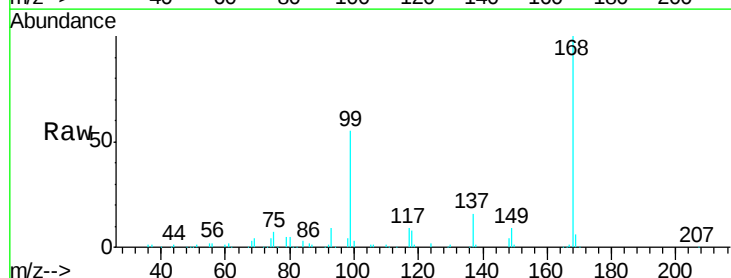
Instrument :
MSVOA_N
ClientSampleId :
MW-2-(12-14)

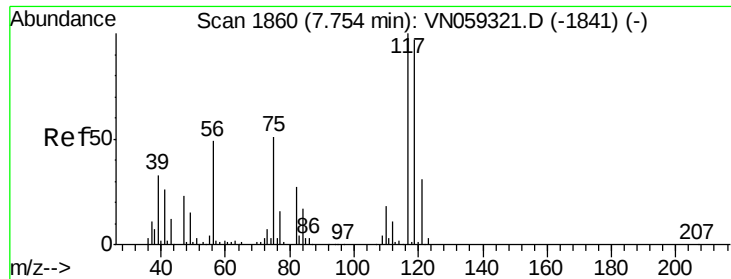
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	20.4	16.3	24.5



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN059360.D
Acq: 22 Nov 2019 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	51.0#
77	0.0	24.8	37.2#

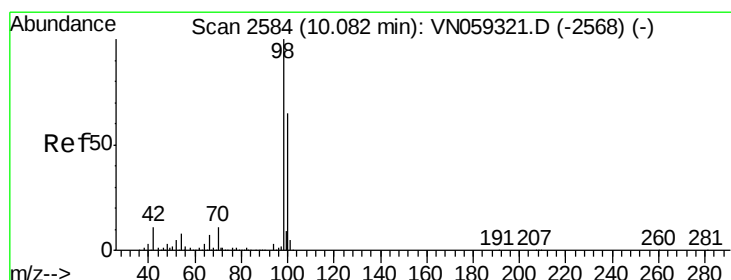
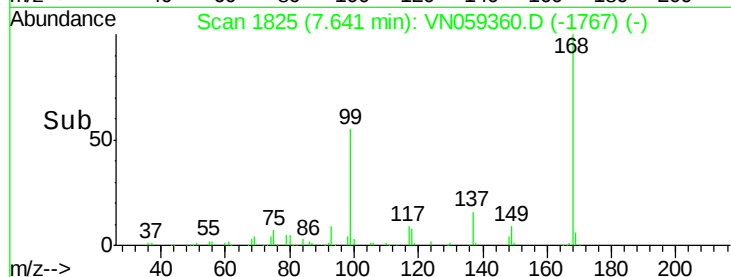
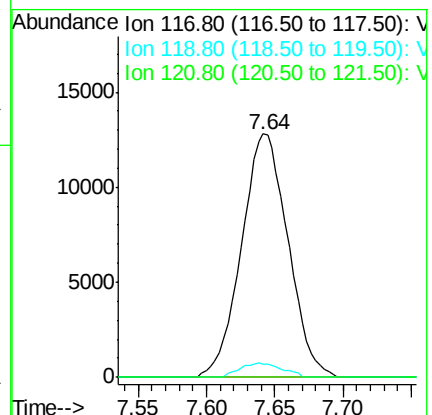
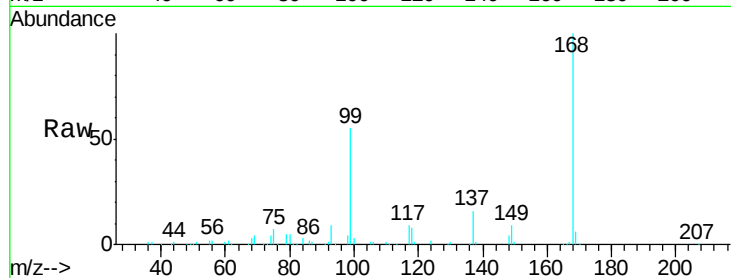




#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059360.D
Acq: 22 Nov 2019 13:35

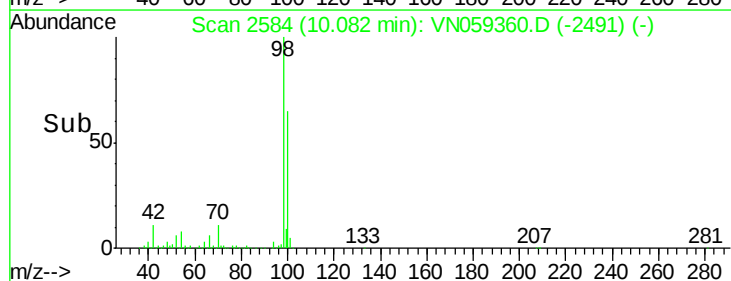
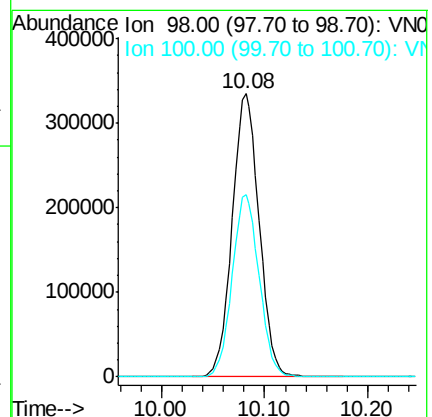
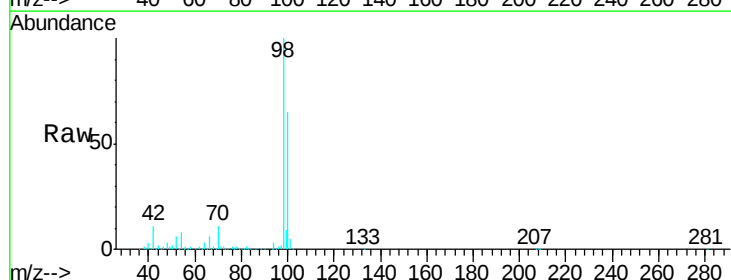
Instrument :
MSVOA_N
ClientSampleId :
MW-2-(12-14)

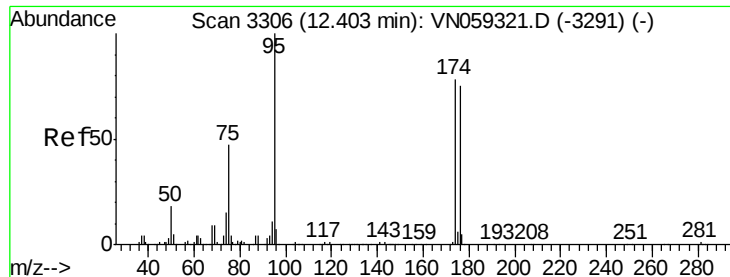
Tgt Ion: 117 Resp: 30259
Ion Ratio Lower Upper
117 100
119 5.5 77.0 115.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.691 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059360.D
Acq: 22 Nov 2019 13:35

Tgt Ion: 98 Resp: 609221
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 46.513 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

MW-2-(12-14)

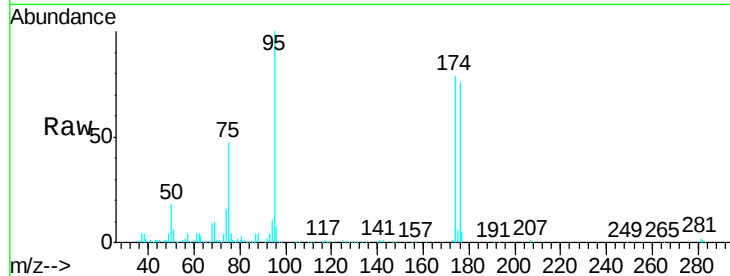
Tgt Ion: 95 Resp: 195461

Ion Ratio Lower Upper

95 100

174 79.7 0.0 157.4

176 76.4 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN059360.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN059360.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN059360.D (-2903) (-)

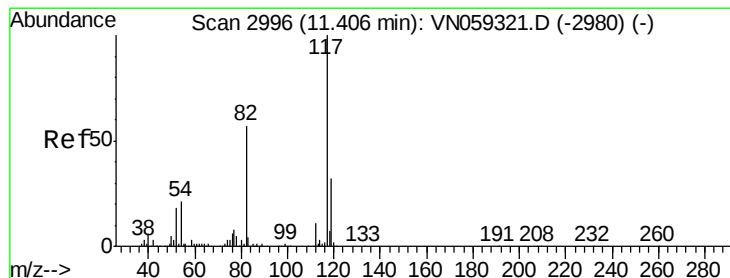
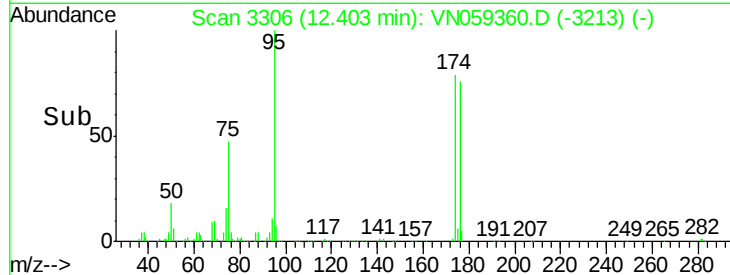
12.40

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

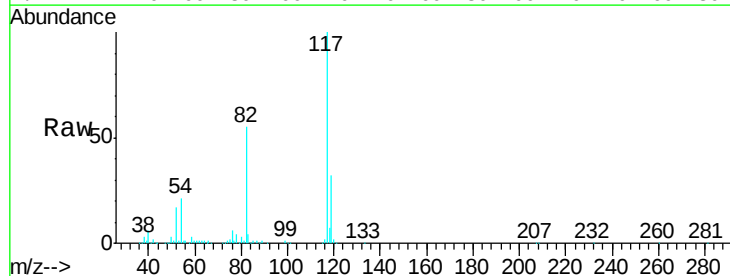
Tgt Ion: 117 Resp: 436095

Ion Ratio Lower Upper

117 100

82 55.5 45.7 68.5

119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN059360.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN059360.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN059360.D (-2903) (-)

11.41

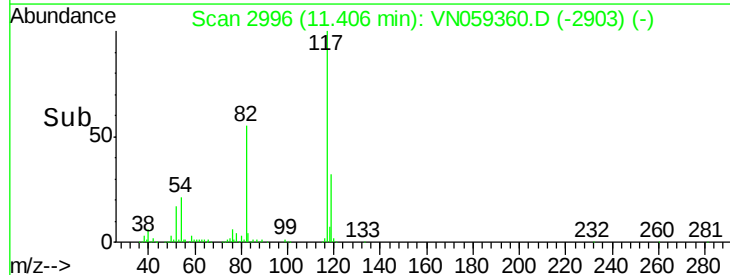
300000

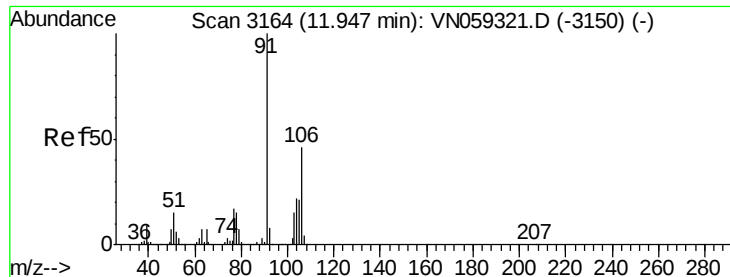
200000

100000

0

Time-->





#69

o-Xylene

Concen: 0.241 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

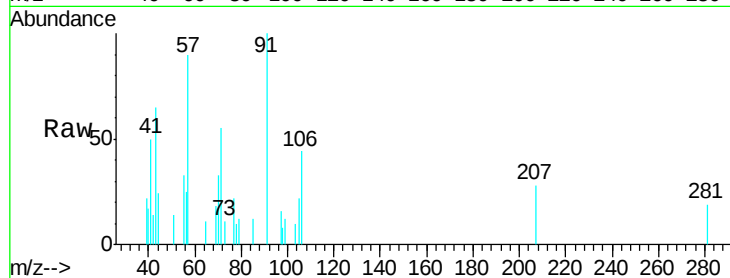
MW-2-(12-14)

Tgt Ion:106 Resp: 1438

Ion Ratio Lower Upper

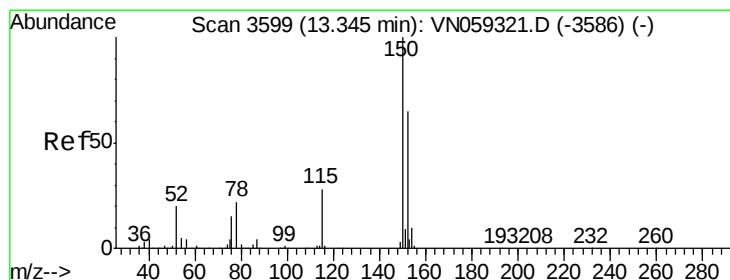
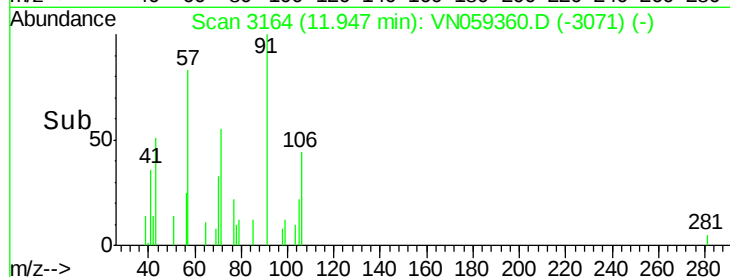
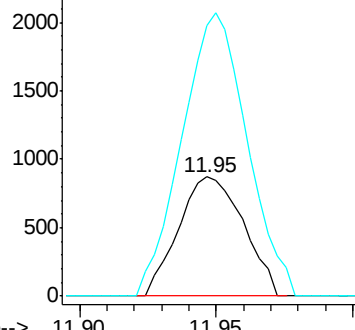
106 100

91 238.4 109.3 327.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

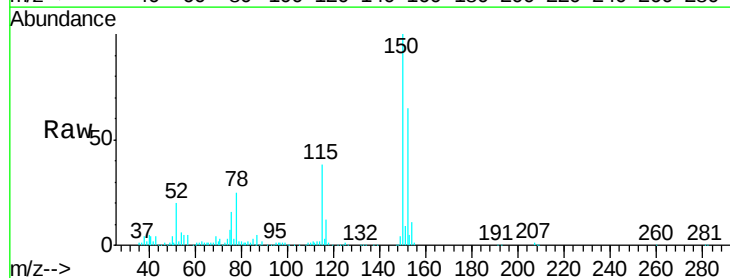
Tgt Ion:152 Resp: 179471

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

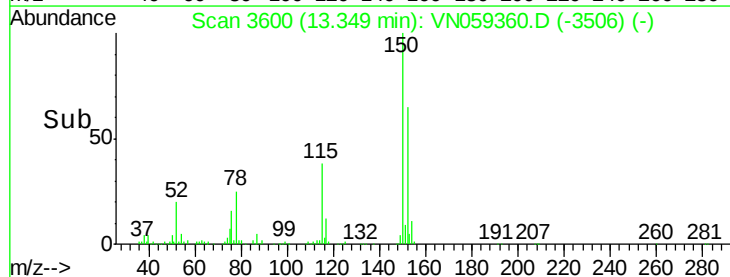
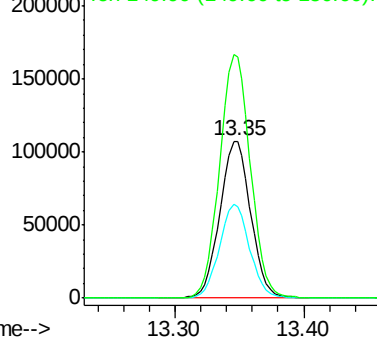
150 155.3 0.0 346.0

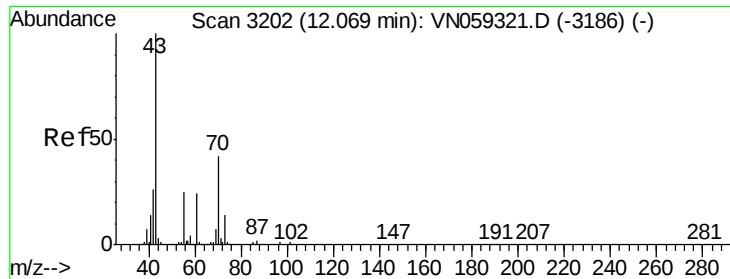


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 1.915 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

MW-2-(12-14)

Tgt Ion: 43 Resp: 11313

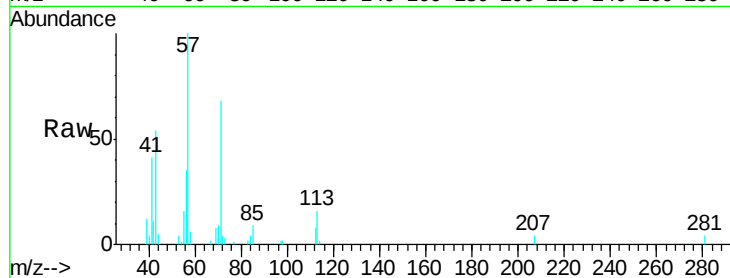
Ion Ratio Lower Upper

43 100

70 16.5 33.8 50.6#

55 23.0 20.3 30.5

61 0.0 19.9 29.9#

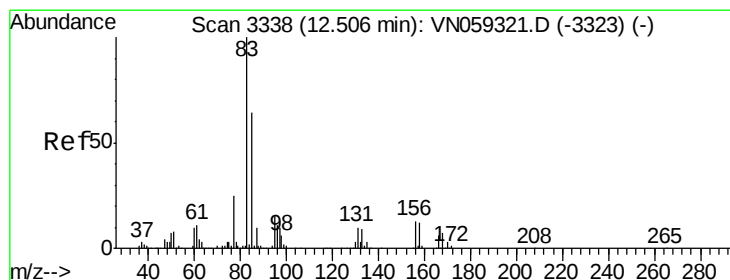
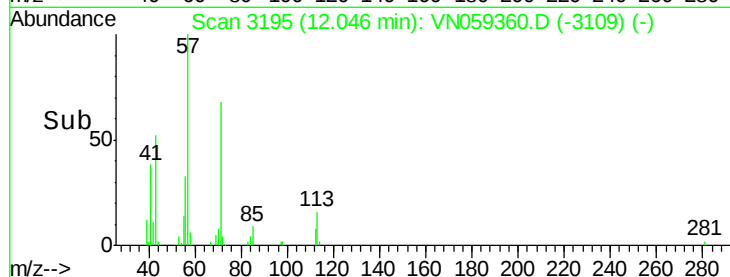
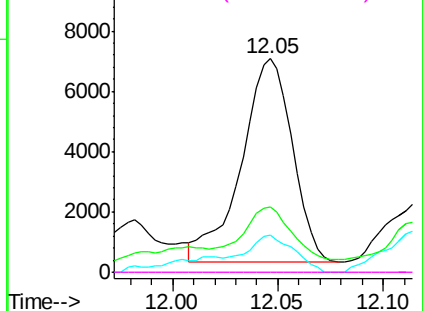


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.611 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.03 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

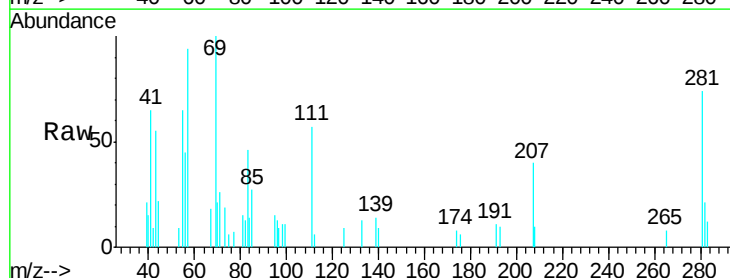
Tgt Ion: 83 Resp: 2973

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

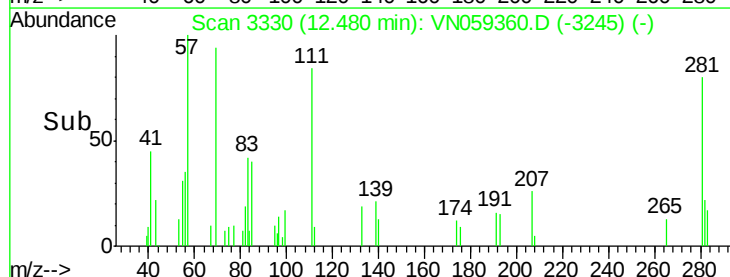
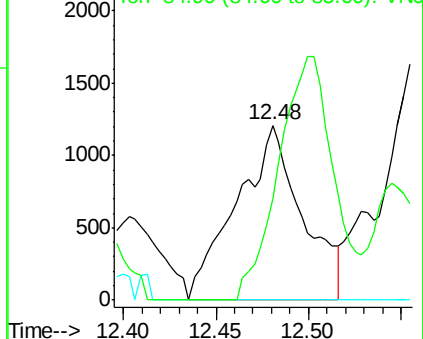
85 116.5 32.1 96.3#

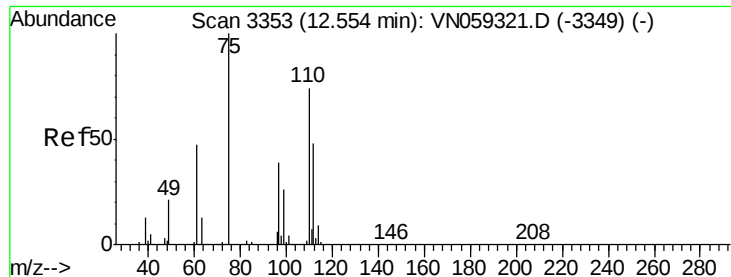


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 22.872 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

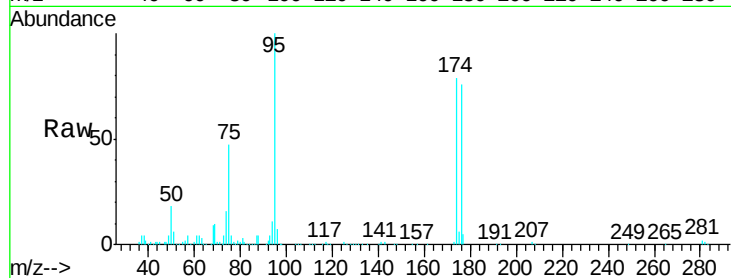
MW-2-(12-14)

Tgt Ion: 75 Resp: 94831

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

50000

40000

30000

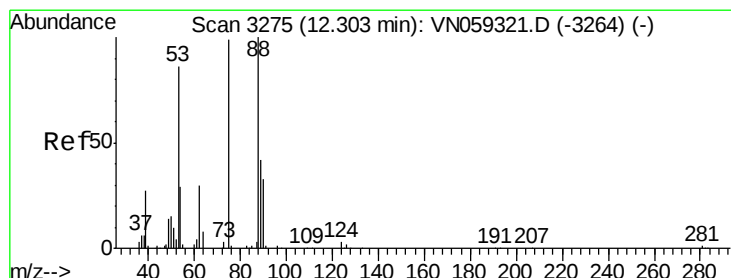
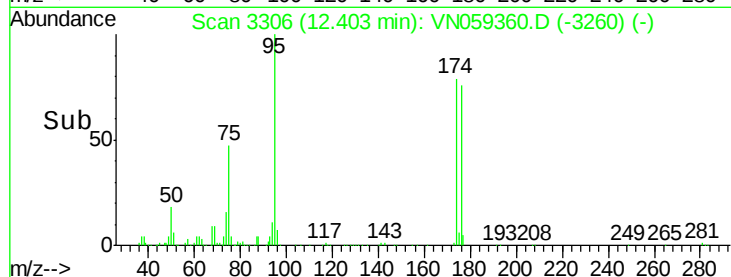
20000

10000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.206 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

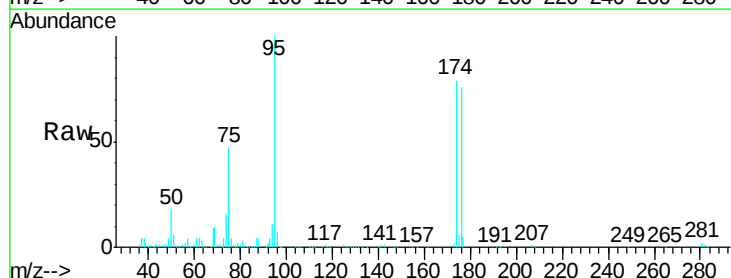
Tgt Ion: 75 Resp: 94831

Ion Ratio Lower Upper

75 100

53 0.1 70.7 106.1#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

60000

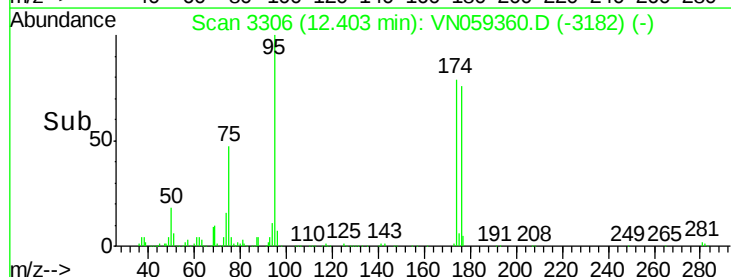
40000

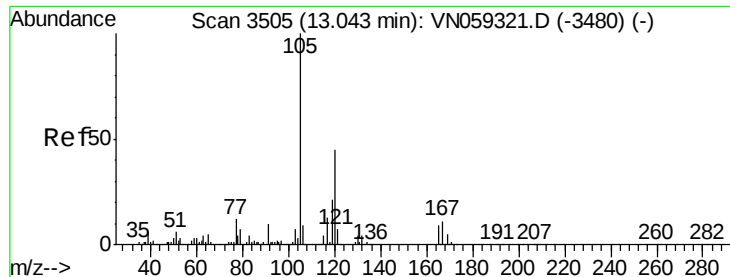
20000

0

12.35 12.40 12.45

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.826 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

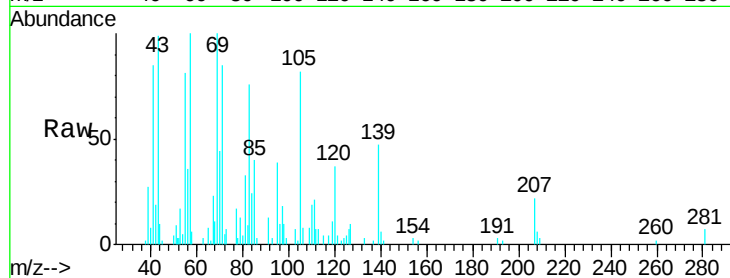
MW-2-(12-14)

Tgt Ion:105 Resp: 10003

Ion Ratio Lower Upper

105 100

120 41.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

6000

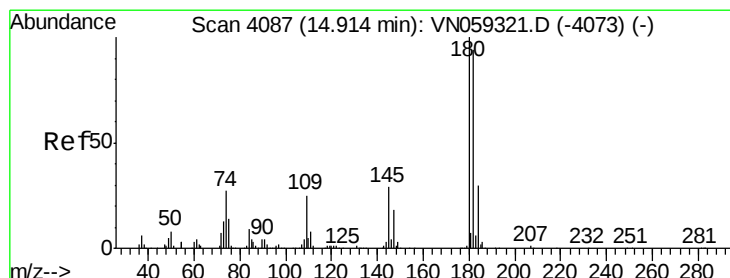
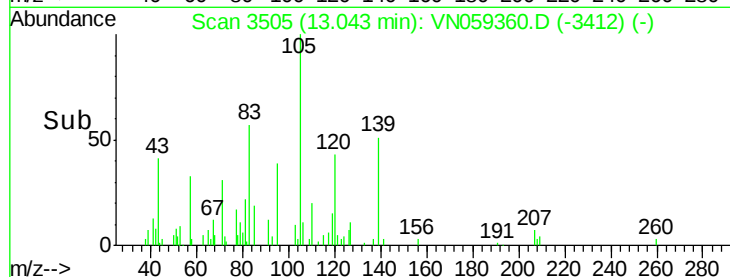
4000

2000

0

Time-->

13.00 13.05 13.10



#93

1,2,4-Trichlorobenzene

Concen: 3.022 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

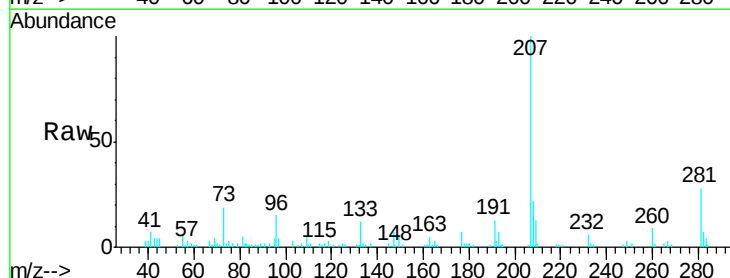
Tgt Ion:180 Resp: 339

Ion Ratio Lower Upper

180 100

182 98.8 47.2 141.6

145 257.2 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

500

400

300

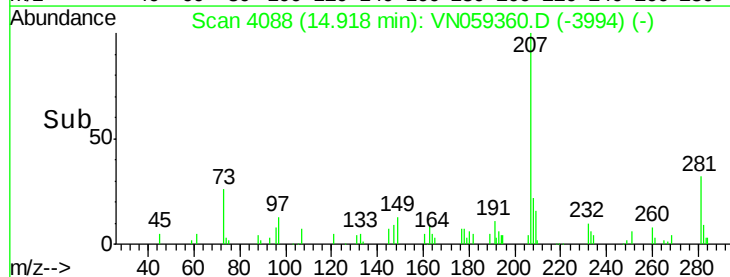
200

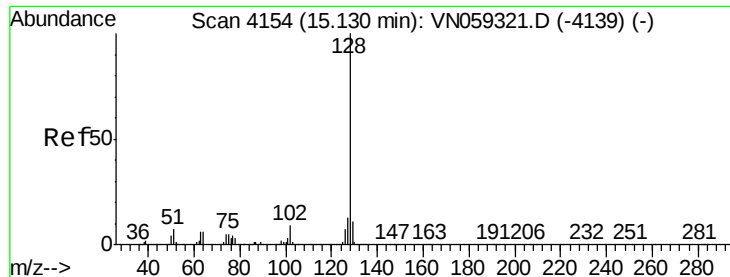
100

0

Time-->

14.90 14.92 14.94





#95

Naphthalene

Concen: 3.280 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

MW-2-(12-14)

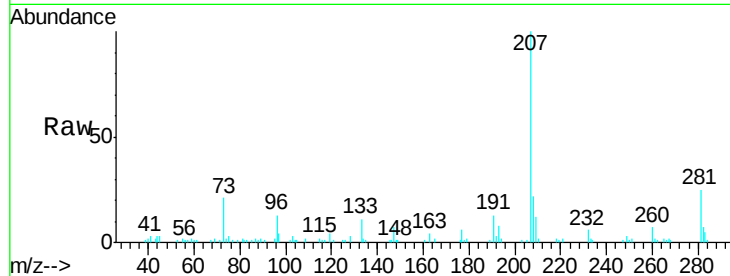
Tgt Ion:128 Resp: 1266

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

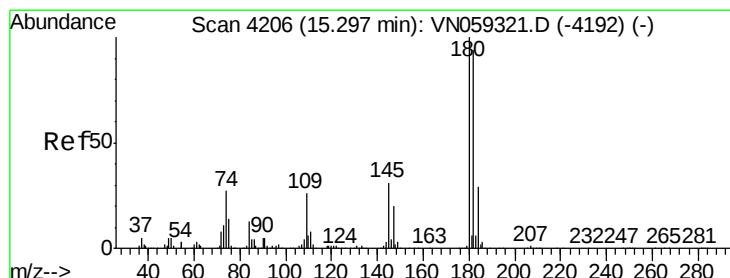
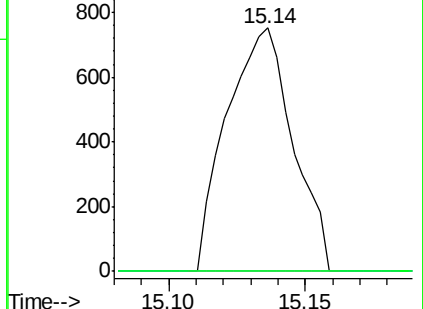
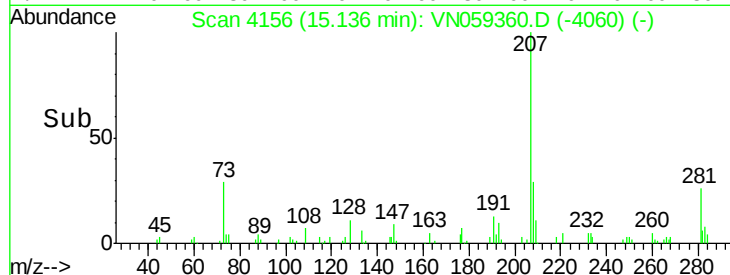
129 0.0 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.035 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059360.D

Acq: 22 Nov 2019 13:35

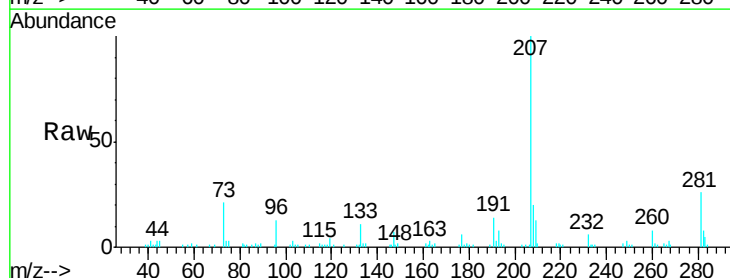
Tgt Ion:180 Resp: 522

Ion Ratio Lower Upper

180 100

182 36.4 47.1 141.4#

145 22.2 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

