

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059199.D
 Acq On : 12 Nov 2019 18:26
 Operator : JC/SP
 Sample : K5799-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-316-SRI4

Quant Time: Nov 13 05:42:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	432912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	592645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211696	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	299757	56.33	ug/l	0.00
Spiked Amount	50.000			Recovery	=	112.66%	
35) Dibromofluoromethane		7.57	113	227596	56.69	ug/l	0.00
Spiked Amount	50.000			Recovery	=	113.38%	
50) Toluene-d8		10.08	98	868883	54.95	ug/l	0.00
Spiked Amount	50.000			Recovery	=	109.90%	
62) 4-Bromofluorobenzene		12.40	95	273071	47.89	ug/l	0.00
Spiked Amount	50.000			Recovery	=	95.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	5574	2.014	ug/l	99
17) Carbon Disulfide	4.03	76	3704	0.295	ug/l #	93
19) Methyl tert-butyl Ether	5.01	73	3603	0.259	ug/l	97
31) Cyclohexane	7.65	56	8675	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34181	5.439	ug/l #	50
38) Carbon Tetrachloride	7.64	117	40754	6.515	ug/l #	18
51) 4-Methyl-2-Pentanone	10.08	43	4134	0.655	ug/l #	1
71) Bromoform	12.40	173	1687	0.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	138336	28.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	138336	75.812	ug/l #	13
95) Naphthalene	15.14	128	1183	3.146	ug/l #	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

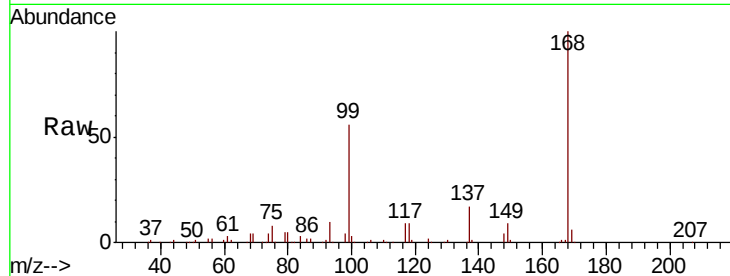
MW-316-SRI4

Tot Ion:168 Resp: 432912

Ion Ratio Lower Upper

168 100

99 56.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

150000

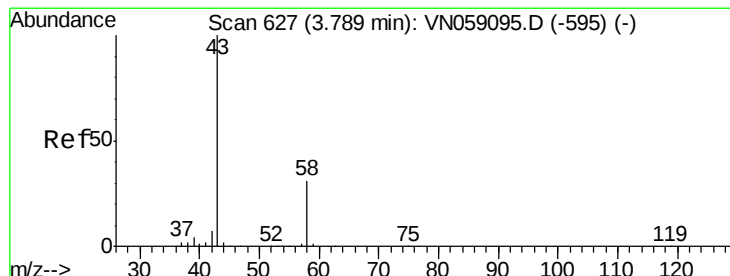
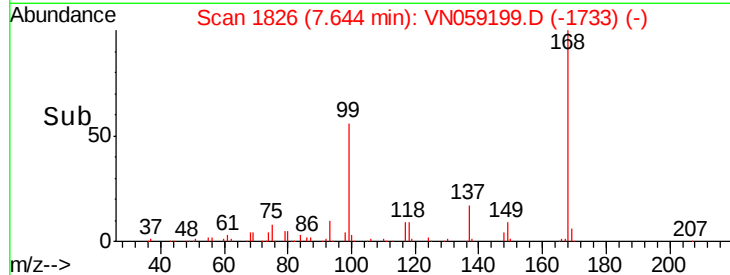
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 2.014 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059199.D

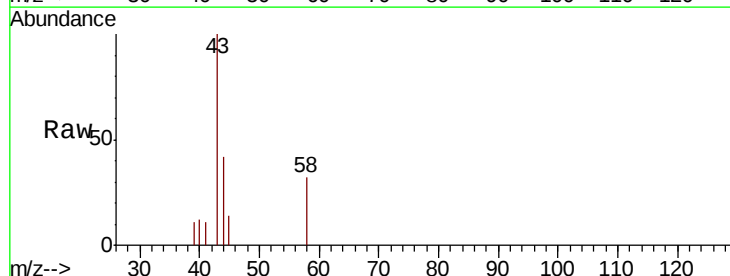
Acq: 12 Nov 2019 18:26

Tgt Ion: 43 Resp: 5574

Ion Ratio Lower Upper

43 100

58 31.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

2000

1500

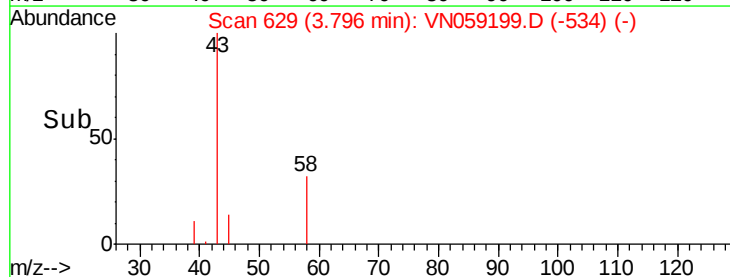
1000

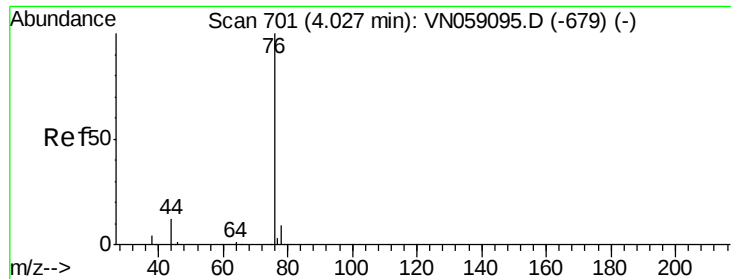
500

0

3.70 3.75 3.80 3.85 3.90

Time-->





#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

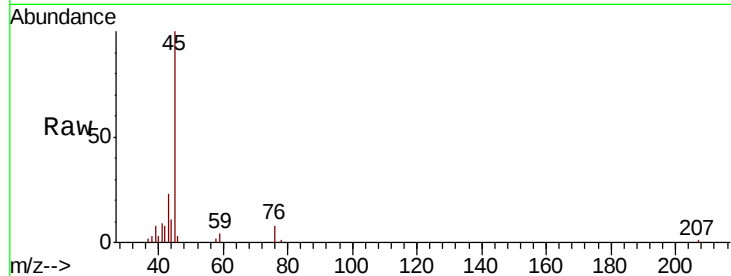
MW-316-SRI4

Tot Ion: 76 Resp: 3704

Ion Ratio Lower Upper

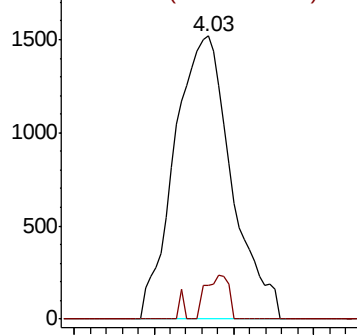
76 100

78 11.9 7.4 11.0#

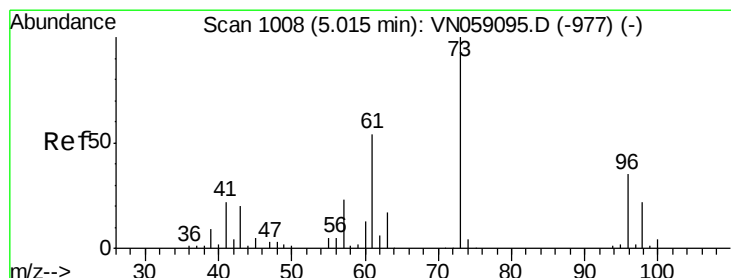
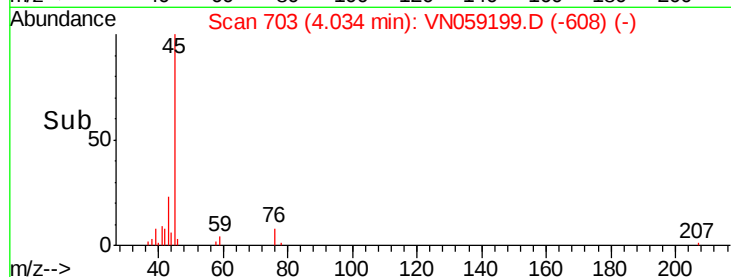


Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



Time--> 3.95 4.00 4.05 4.10



#19

Methyl tert-butyl Ether

Concen: 0.259 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN059199.D

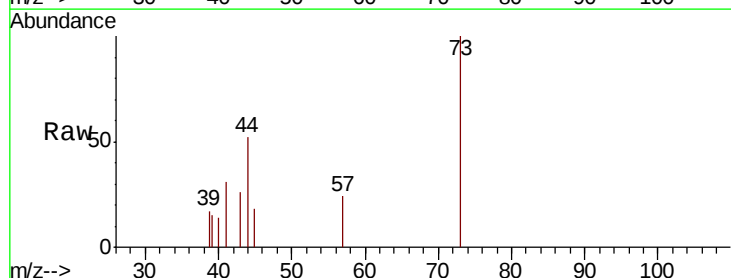
Acq: 12 Nov 2019 18:26

Tgt Ion: 73 Resp: 3603

Ion Ratio Lower Upper

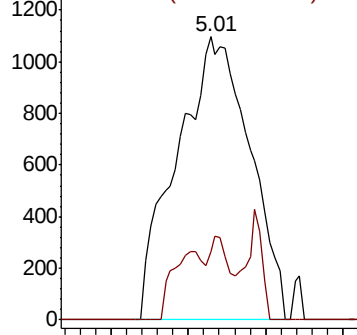
73 100

57 24.2 18.4 27.6

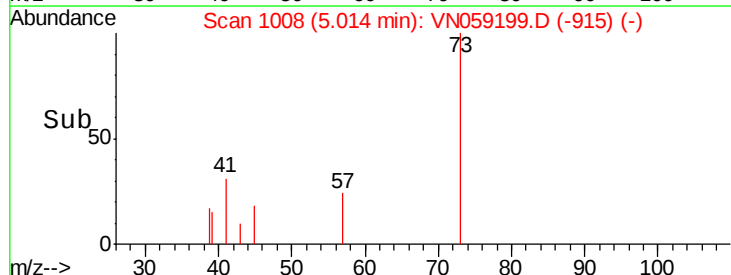


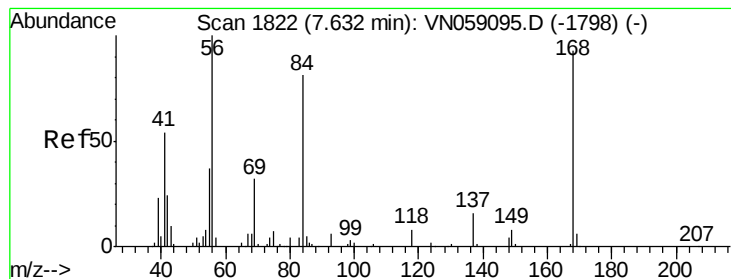
Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



Time--> 4.95 5.00 5.05





#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-316-SRI4

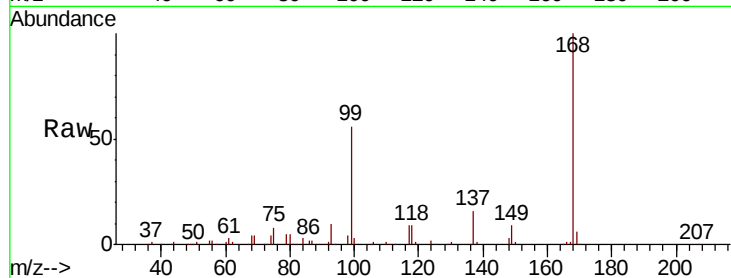
Tot Ion: 56 Resp: 8675

Ion Ratio Lower Upper

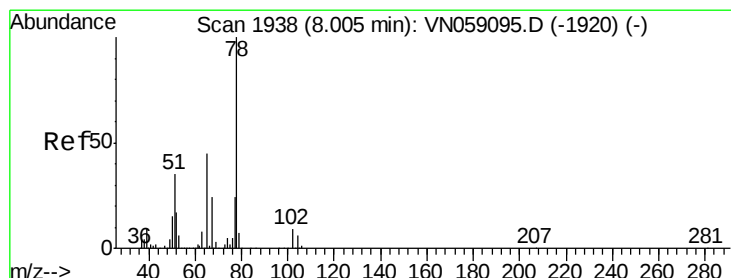
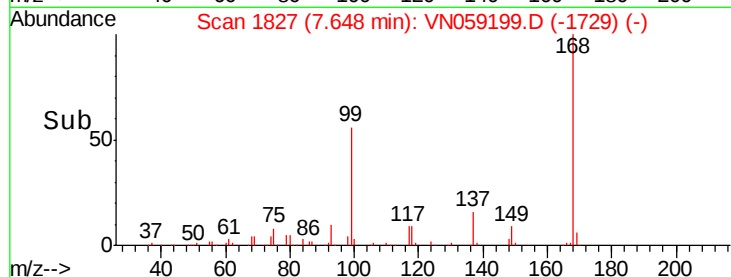
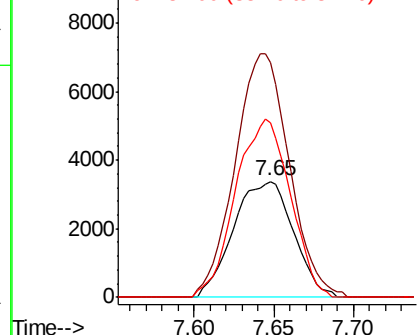
56 100

69 202.4 25.8 38.8#

84 150.5 65.0 97.4#



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



#33

1,2-Dichloroethane-d4

Concen: 56.328 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059199.D

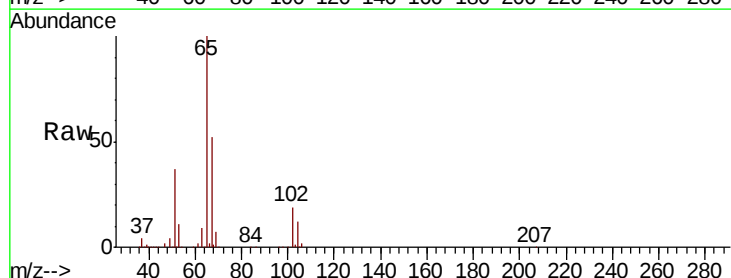
Acq: 12 Nov 2019 18:26

Tgt Ion: 65 Resp: 299757

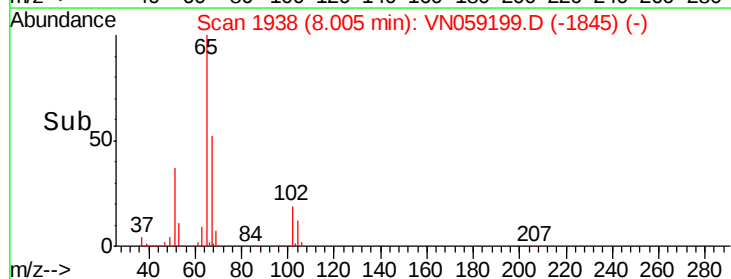
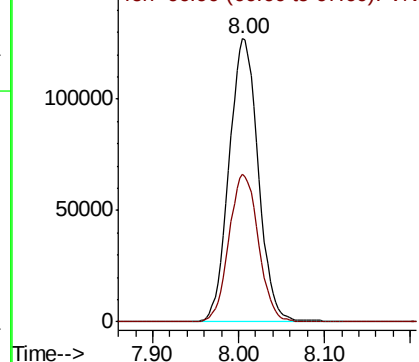
Ion Ratio Lower Upper

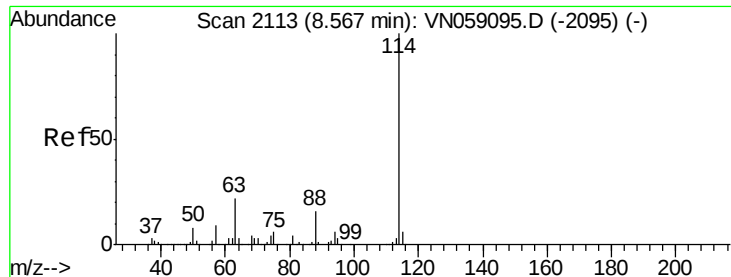
65 100

67 52.5 0.0 107.4



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

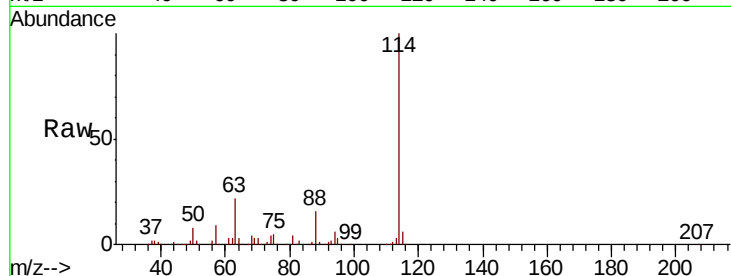




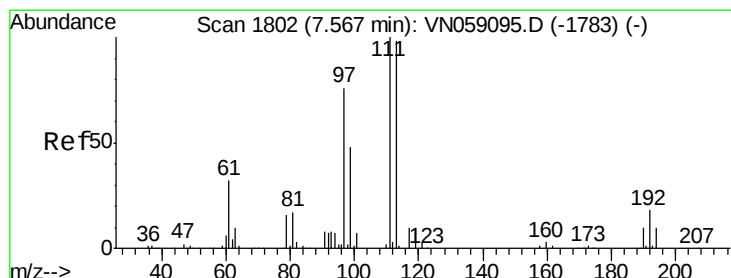
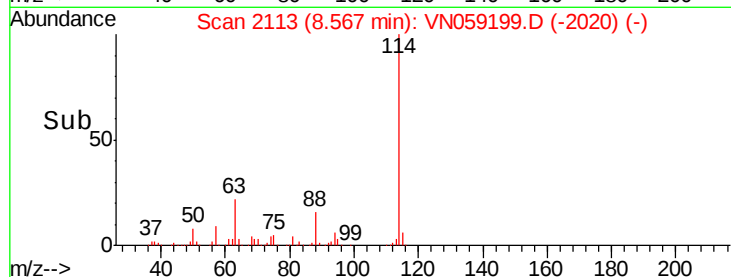
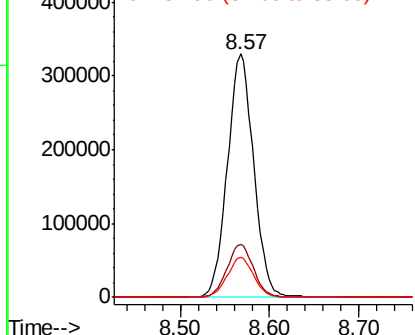
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059199.D
 Acq: 12 Nov 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-316-SRI4

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.4	0.0	32.2

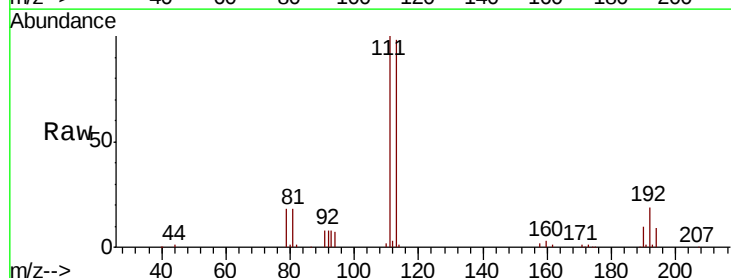


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

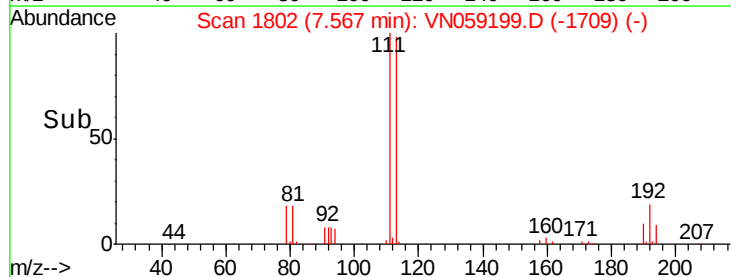
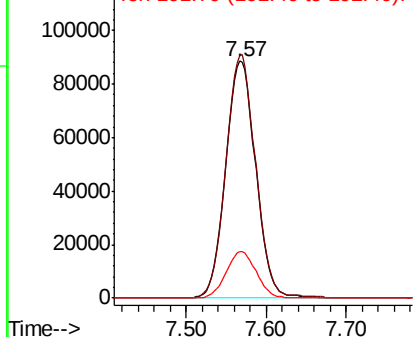


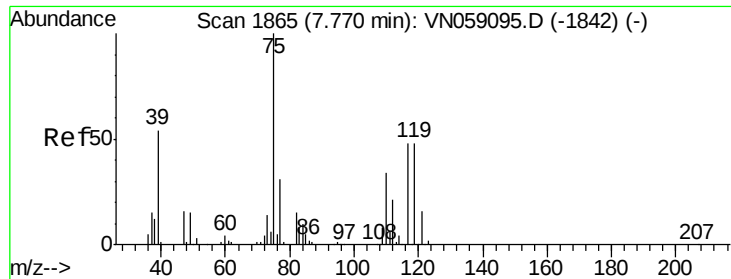
#35
 Dibromofluoromethane
 Concen: 56.690 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059199.D
 Acq: 12 Nov 2019 18:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	19.6	16.1	24.1



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

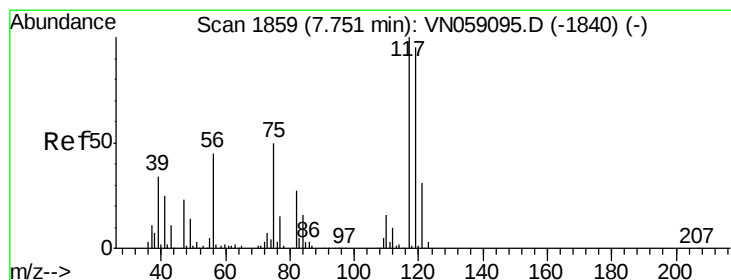
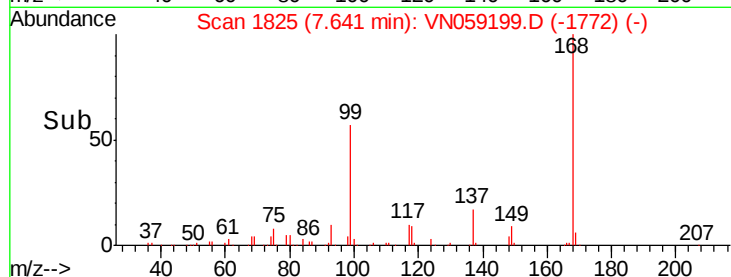
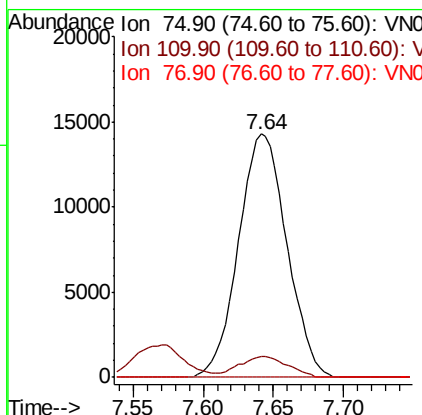
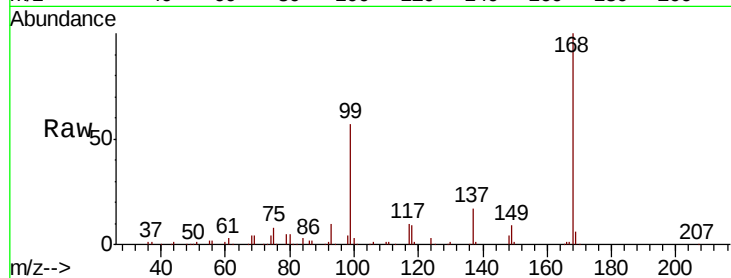




#36
 1,1-Dichloropropene
 Concen: 5.439 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059199.D
 Acq: 12 Nov 2019 18:26

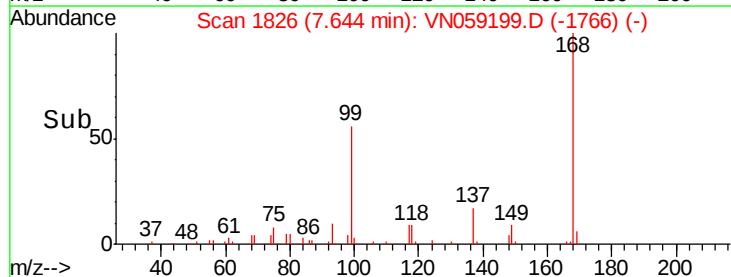
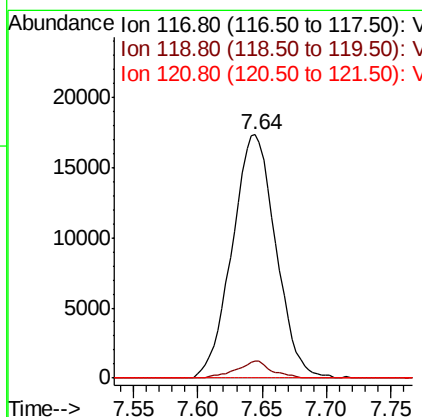
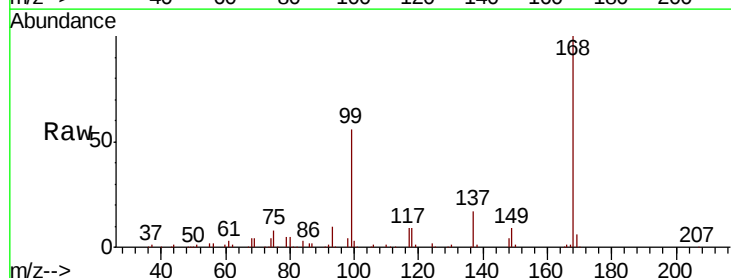
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-316-SRI4

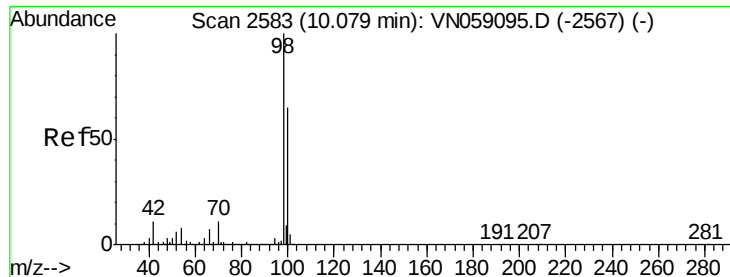
Tot Ion	75	Resp	34181
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.515 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059199.D
 Acq: 12 Nov 2019 18:26

Tgt Ion	117	Resp	40754
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	7.2	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 54.945 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

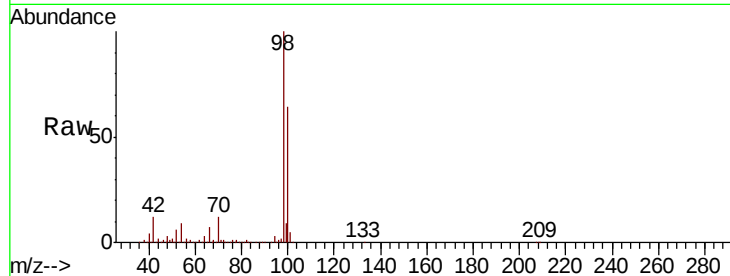
MW-316-SRI4

Tot Ion: 98 Resp: 868883

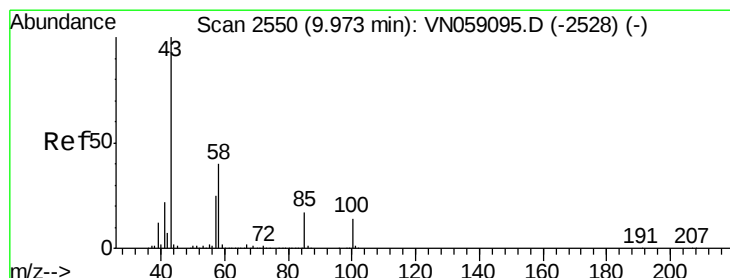
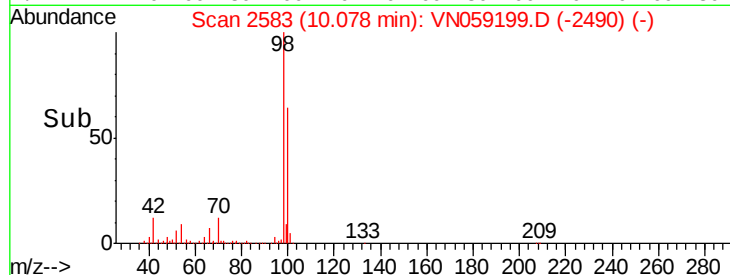
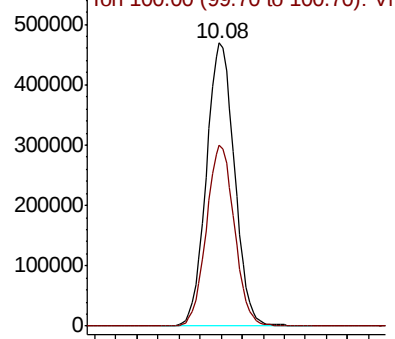
Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059199.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.655 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.10 min

Lab File: VN059199.D

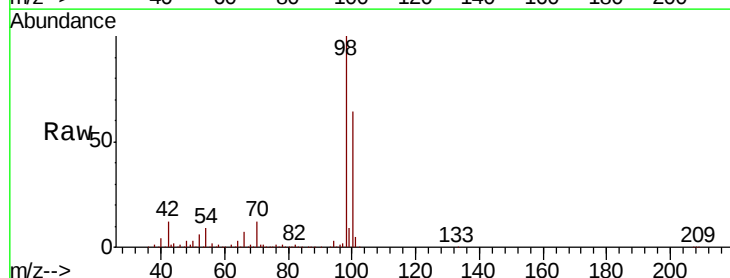
Acq: 12 Nov 2019 18:26

Tgt Ion: 43 Resp: 4134

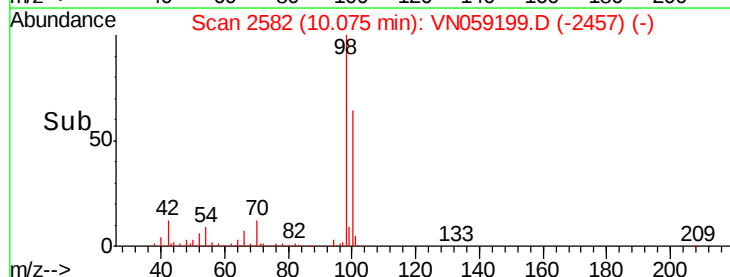
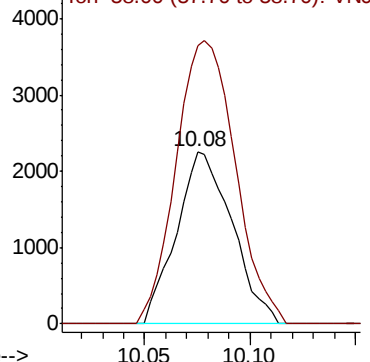
Ion Ratio Lower Upper

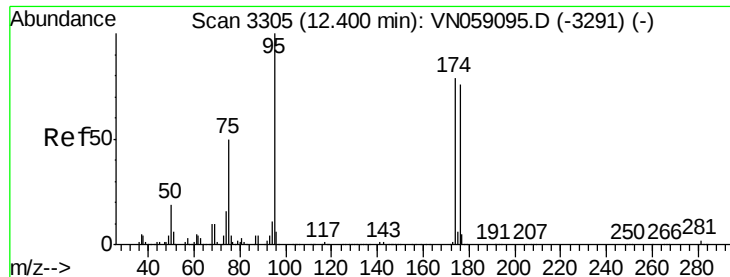
43 100

58 175.3 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059199.D (-2528) (-)





#62

4-Bromofluorobenzene

Concen: 47.892 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-316-SRI4

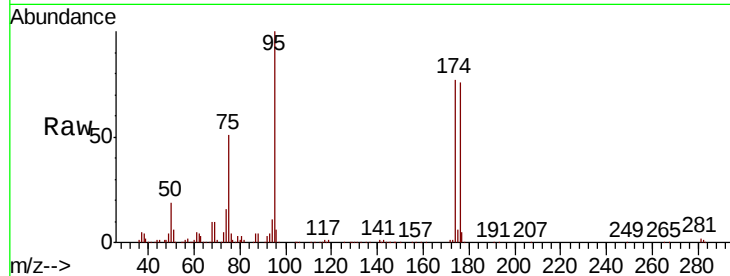
Tot Ion: 95 Resp: 273071

Ion Ratio Lower Upper

95 100

174 78.0 0.0 158.2

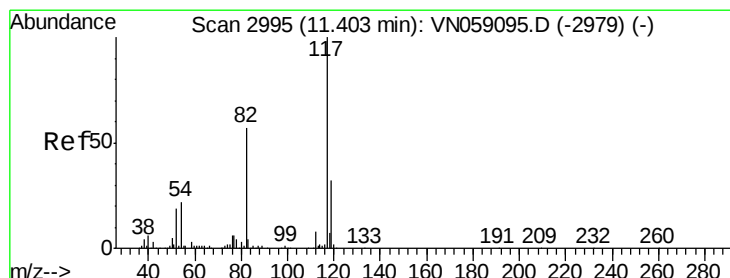
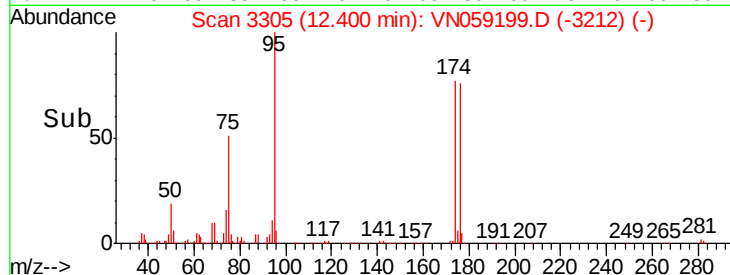
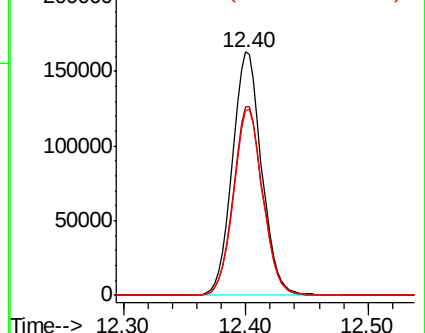
176 76.1 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

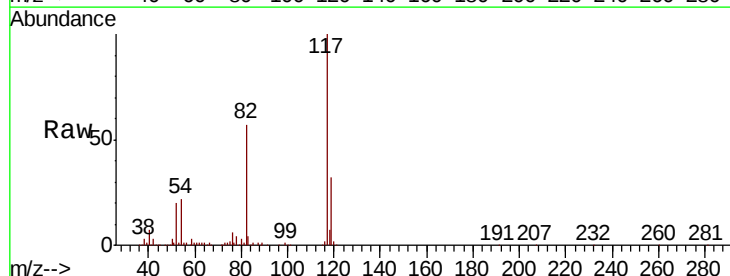
Tgt Ion: 117 Resp: 592645

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.8

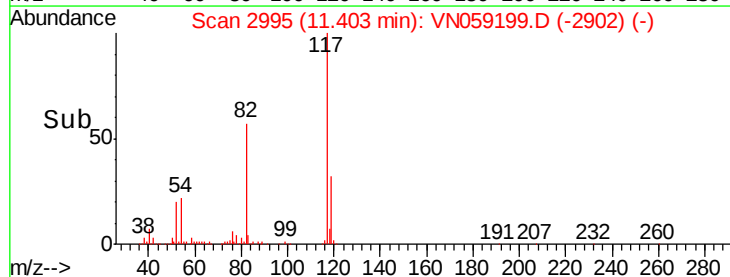
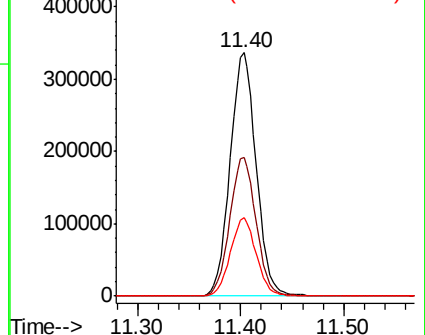
119 32.0 25.8 38.6

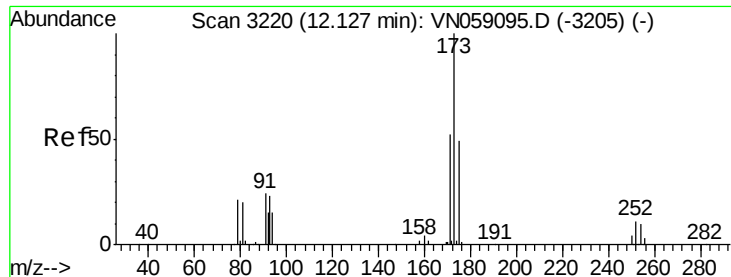


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-316-SRI4

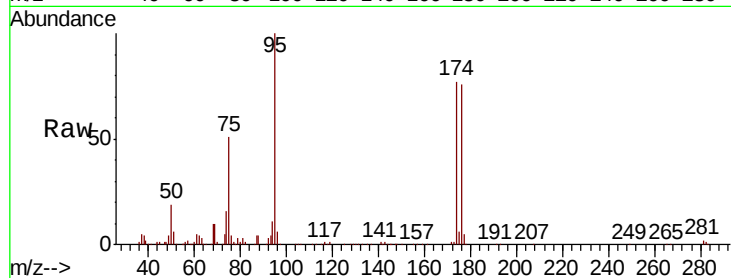
Tot Ion:173 Resp: 1687

Ion Ratio Lower Upper

173 100

175 792.6 24.2 72.6#

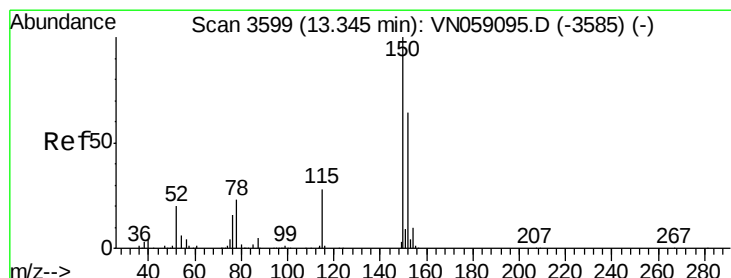
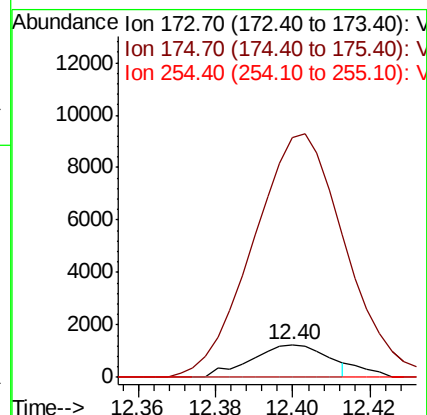
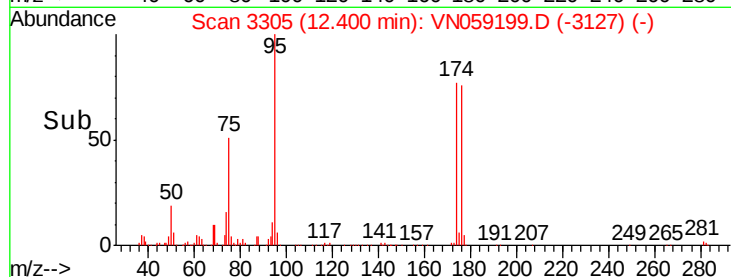
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059199.D

Acq: 12 Nov 2019 18:26

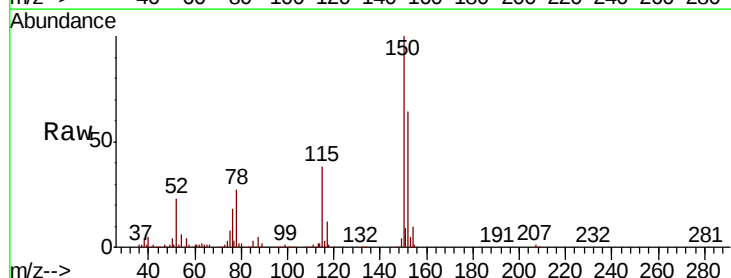
Tgt Ion:152 Resp: 211696

Ion Ratio Lower Upper

152 100

115 59.8 29.4 88.2

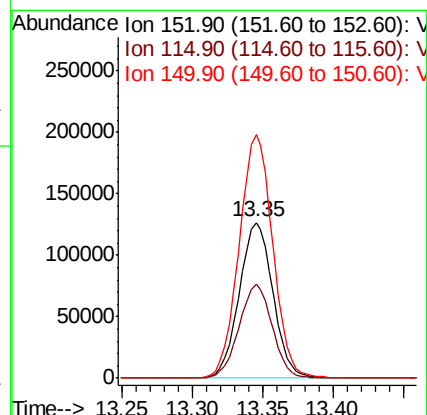
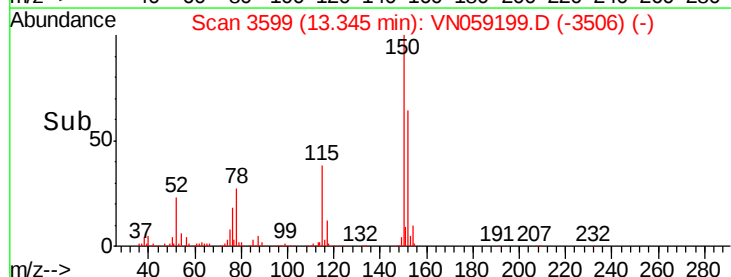
150 156.5 0.0 345.8

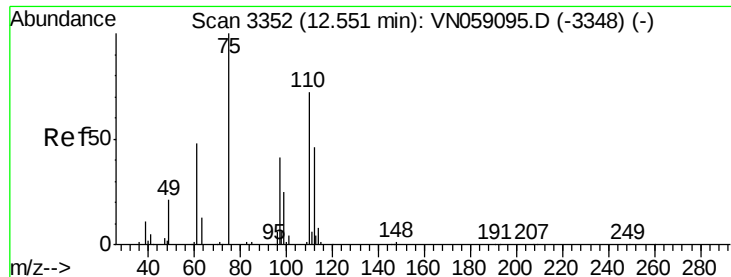


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

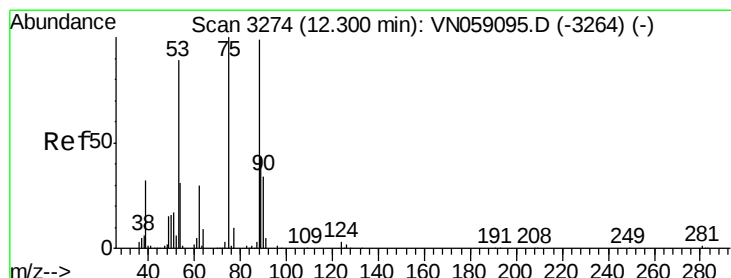
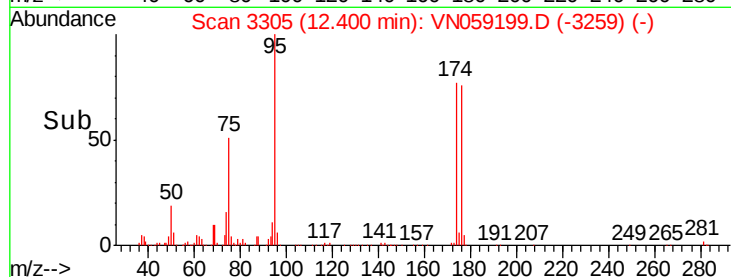
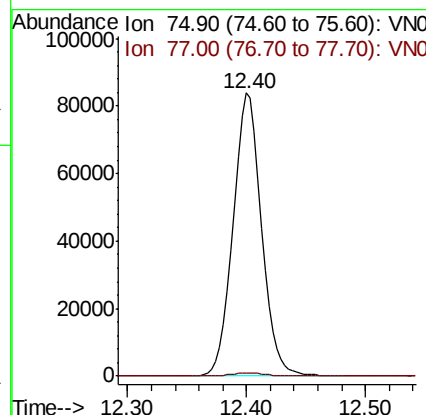
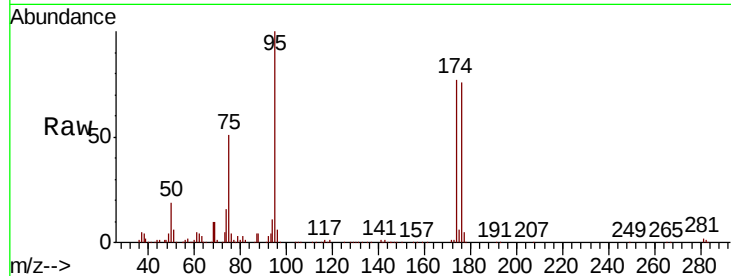




#76
 1,2,3-Trichloropropane
 Concen: 28.703 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN059199.D
 Acq: 12 Nov 2019 18:26

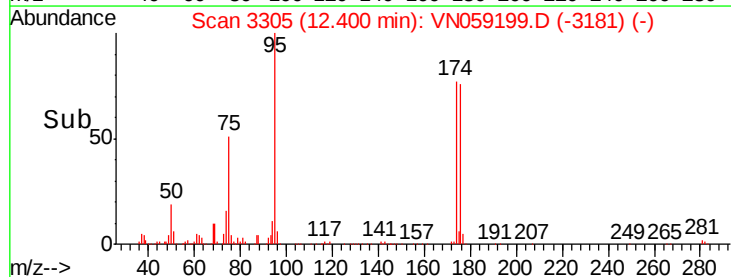
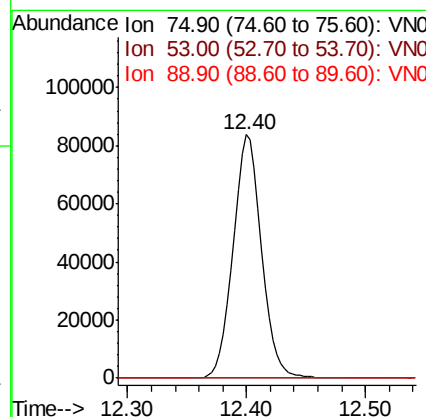
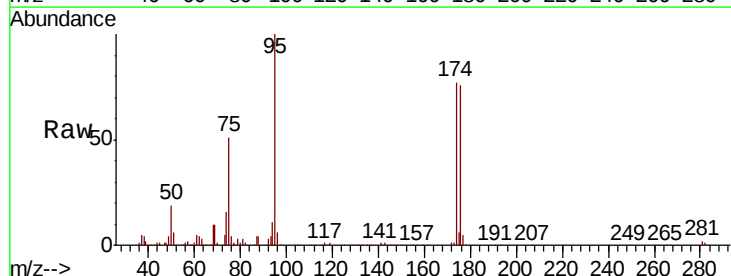
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-316-SRI4

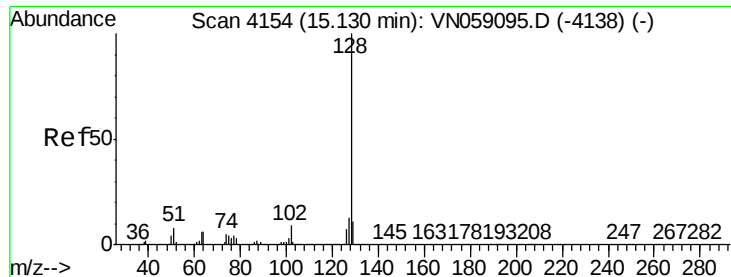
Tot Ion: 75 Resp: 138336
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.812 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN059199.D
 Acq: 12 Nov 2019 18:26

Tgt Ion: 75 Resp: 138336
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.2 108.2#
 89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 3.146 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059199.D
Acq: 12 Nov 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
MW-316-SRI4

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	12.8	8.6	12.8

