

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064159.D
 Acq On : 15 Oct 2020 21:31
 Operator : JC/MD
 Sample : L4412-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 98-02

Quant Time: Oct 16 04:23:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	276889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	525773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	564253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	220510	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	
35) Dibromofluoromethane	7.55	113	184175	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.06	98	702667	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.38	95	245427	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	

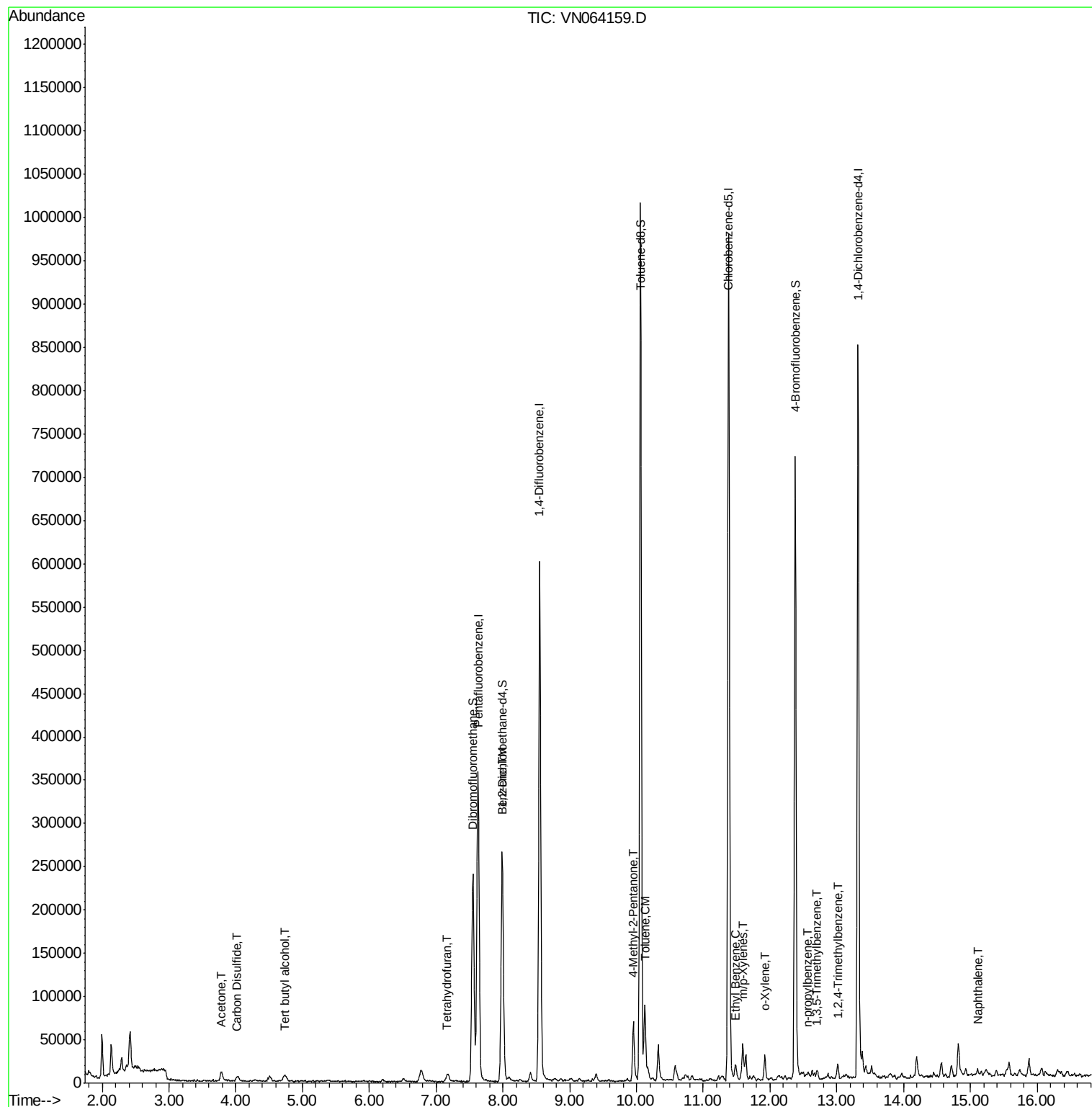
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	12334	28.248	ug/l	97
16) Acetone	3.78	43	19202	16.416	ug/l	92
17) Carbon Disulfide	4.02	76	3044	0.386	ug/l #	78
29) Tetrahydrofuran	7.17	42	5433	5.167	ug/l	90
40) Benzene	8.00	78	20307	1.323	ug/l	93
51) 4-Methyl-2-Pentanone	9.96	43	45714	10.351	ug/l	98
52) Toluene	10.13	92	34942	3.706	ug/l	100
67) Ethyl Benzene	11.49	91	9331	0.469	ug/l	98
68) m/p-Xylenes	11.60	106	12368	3.666	ug/l	93
69) o-Xylene	11.92	106	6612	2.398	ug/l	99
78) n-propylbenzene	12.57	91	4391	0.244	ug/l #	74
80) 1,3,5-Trimethylbenzene	12.71	105	3123	0.241	ug/l	94
84) 1,2,4-Trimethylbenzene	13.02	105	9248	0.867	ug/l	98
95) Naphthalene	15.11	128	5965	4.303	ug/l #	92

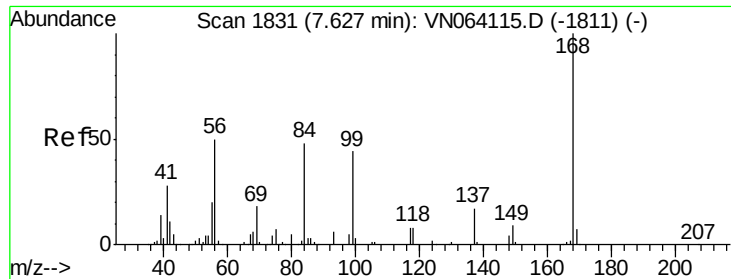
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064159.D

Acq: 15 Oct 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

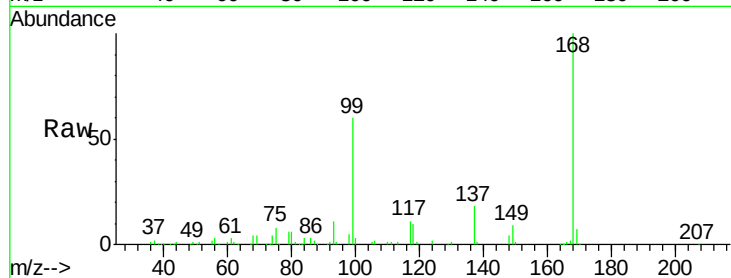
98-02

Tot Ion:168 Resp: 276889

Ion Ratio Lower Upper

168 100

99 59.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

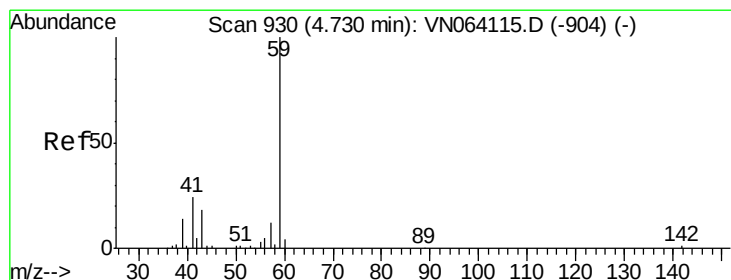
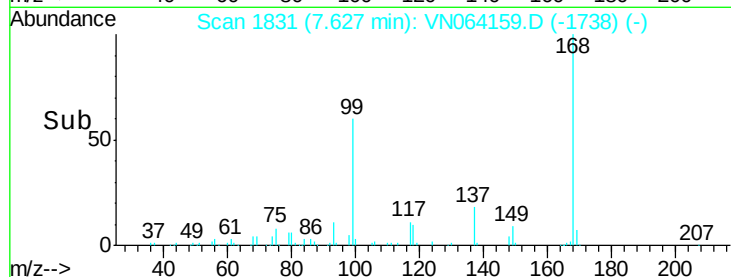
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 28.248 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN064159.D

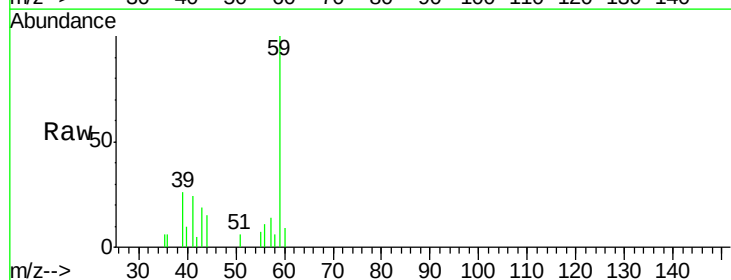
Acq: 15 Oct 2020 21:31

Tgt Ion: 59 Resp: 12334

Ion Ratio Lower Upper

59 100

57 10.1 8.9 13.3



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

4000

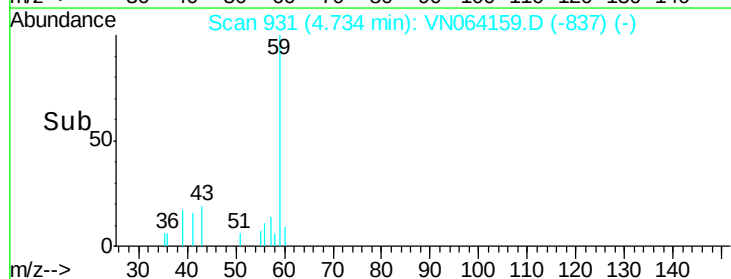
3000

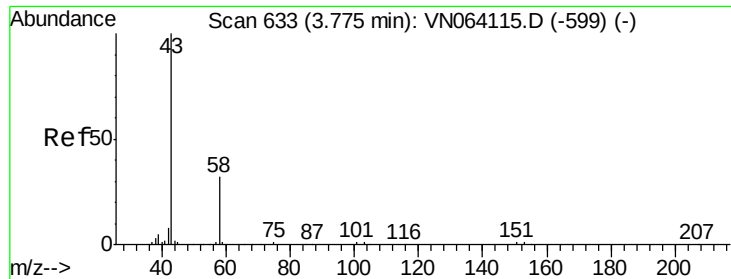
2000

1000

0

Time--> 4.65 4.70 4.75 4.80





#16

Acetone

Concen: 16.416 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064159.D

Acq: 15 Oct 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

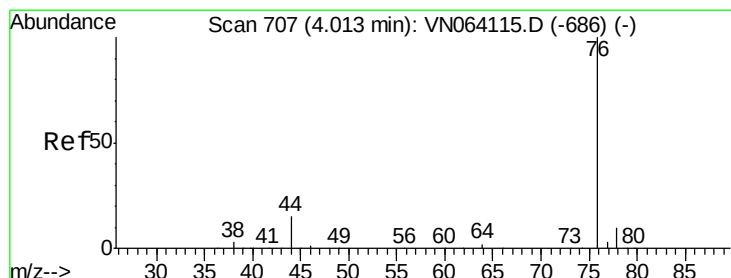
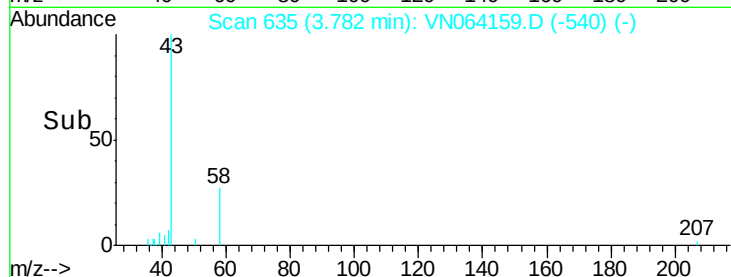
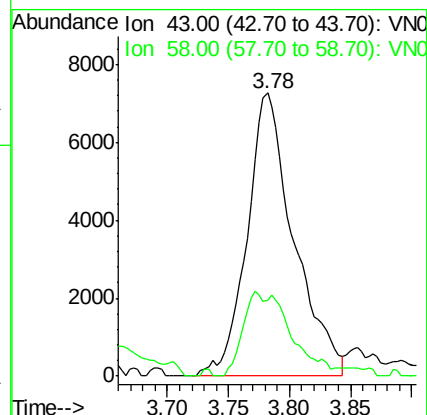
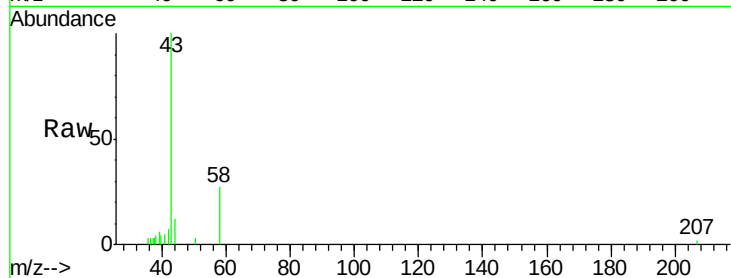
98-02

Tot Ion: 43 Resp: 19202

Ion Ratio Lower Upper

43 100

58 26.8 25.2 37.8



#17

Carbon Disulfide

Concen: 0.386 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN064159.D

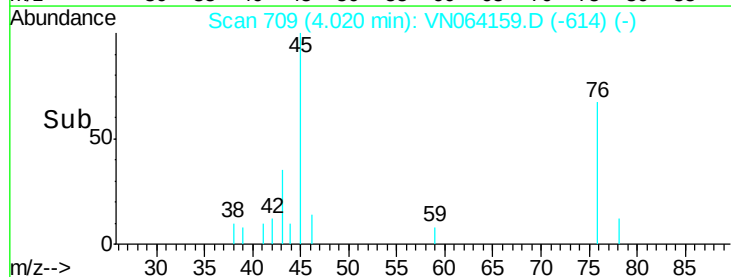
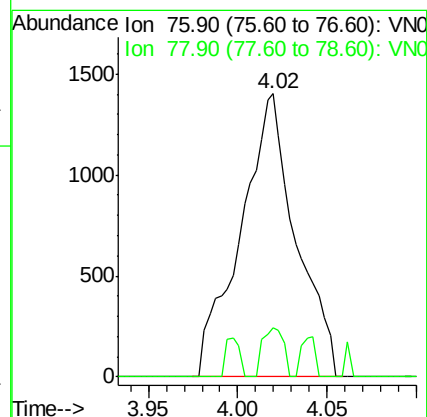
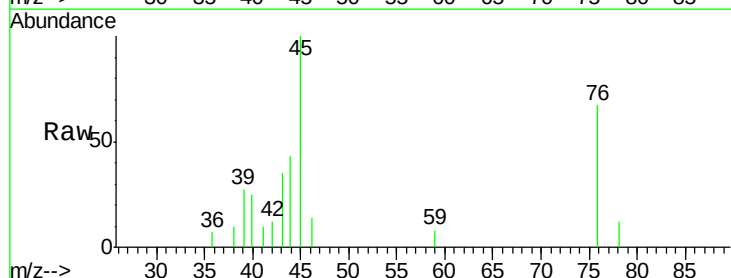
Acq: 15 Oct 2020 21:31

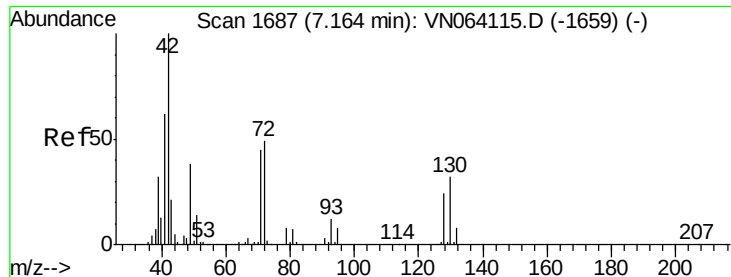
Tgt Ion: 76 Resp: 3044

Ion Ratio Lower Upper

76 100

78 17.5 7.6 11.4#





#29

Tetrahydrofuran

Concen: 5.167 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN064159.D

Acq: 15 Oct 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

98-02

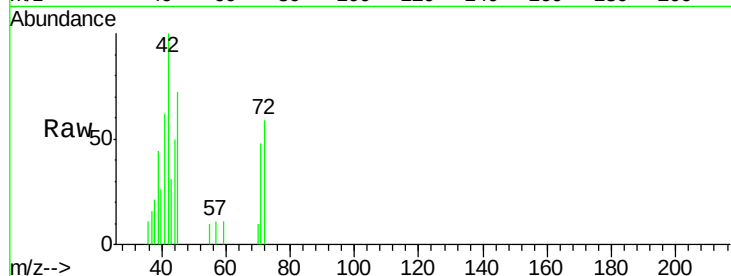
Tot Ion: 42 Resp: 5433

Ion Ratio Lower Upper

42 100

72 41.1 37.8 56.6

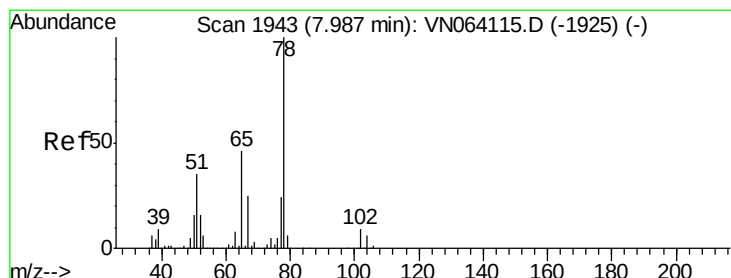
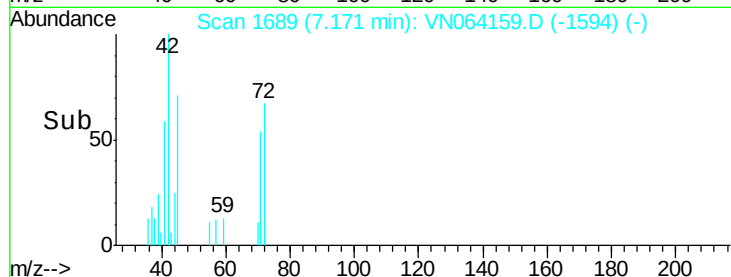
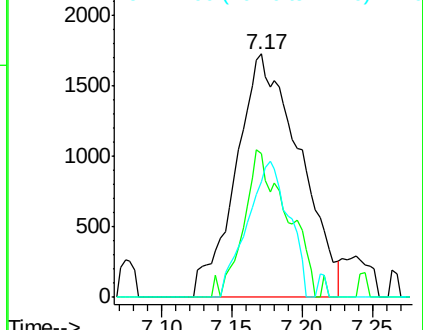
71 36.5 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.918 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064159.D

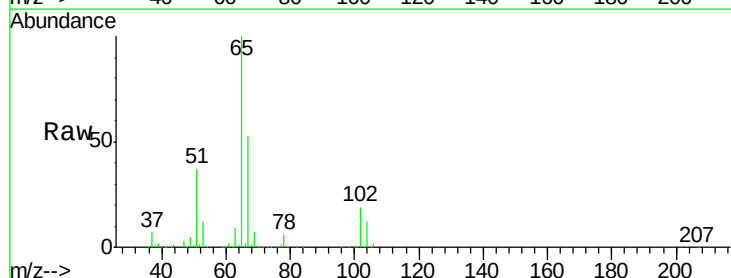
Acq: 15 Oct 2020 21:31

Tgt Ion: 65 Resp: 220510

Ion Ratio Lower Upper

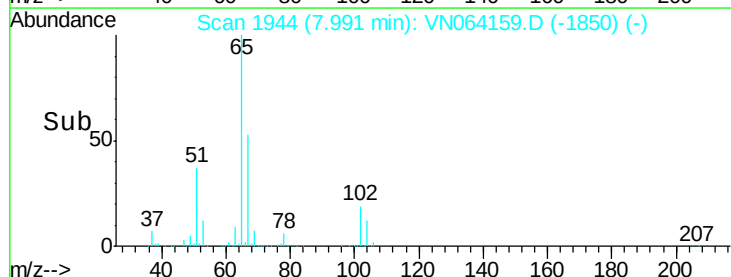
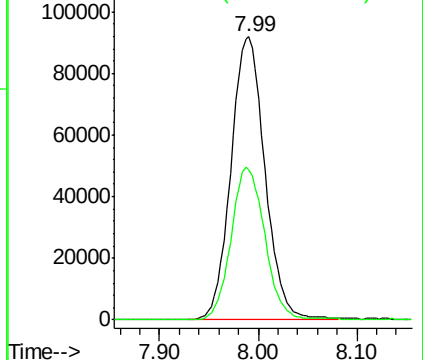
65 100

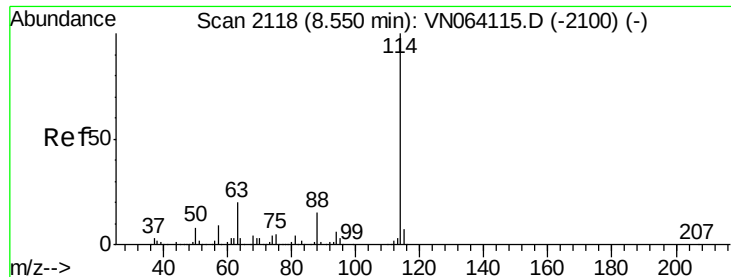
67 53.3 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

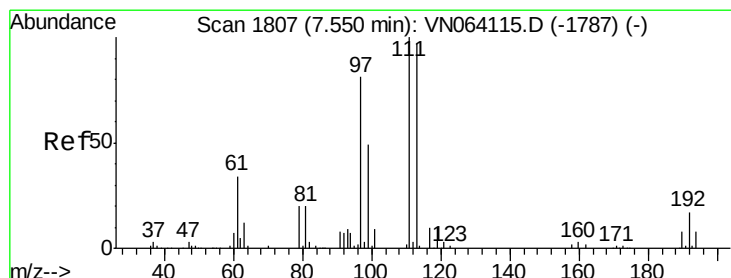
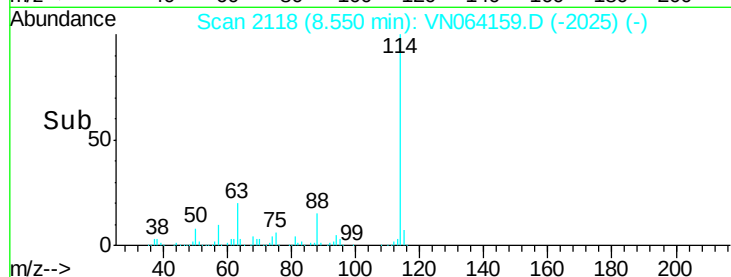
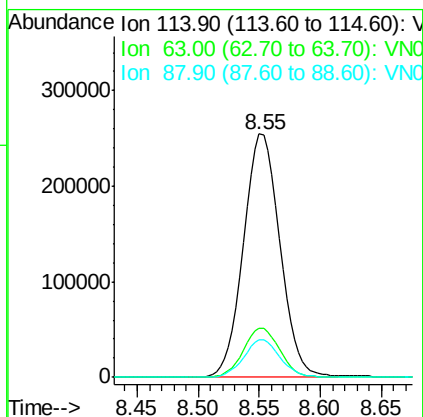
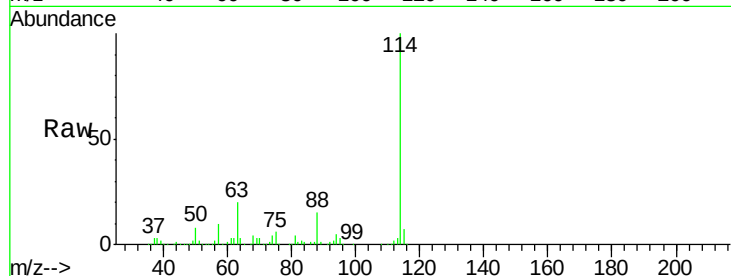




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064159.D
 Acq: 15 Oct 2020 21:31

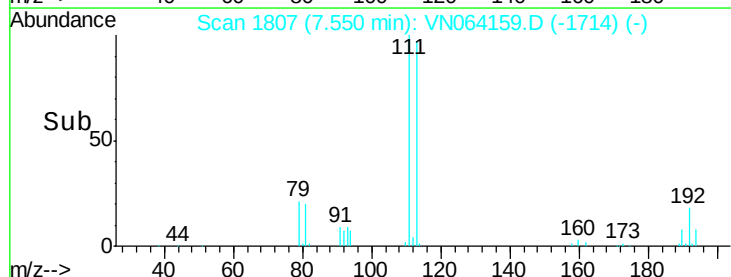
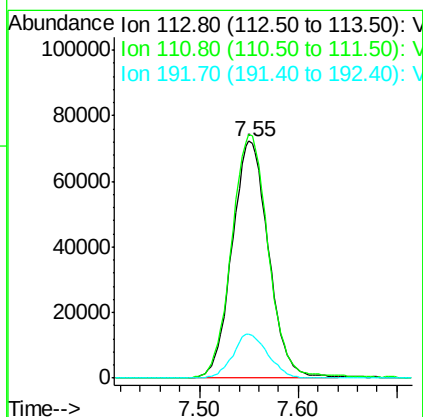
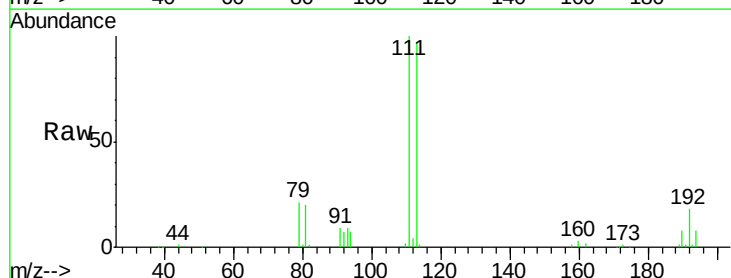
Instrument :
 MSVOA_N
 ClientSampleId :
 98-02

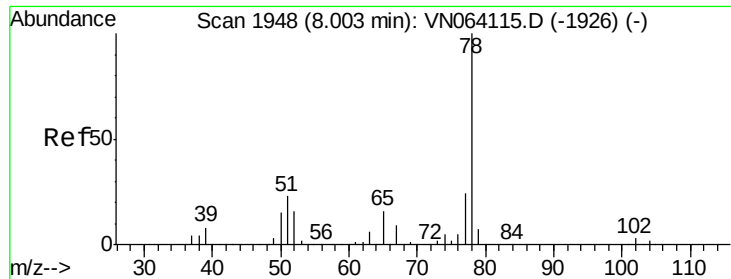
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	15.4	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 50.610 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064159.D
 Acq: 15 Oct 2020 21:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.9	122.9
192	18.0	14.3	21.5





#40

Benzene

Concen: 1.323 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064159.D

Acq: 15 Oct 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

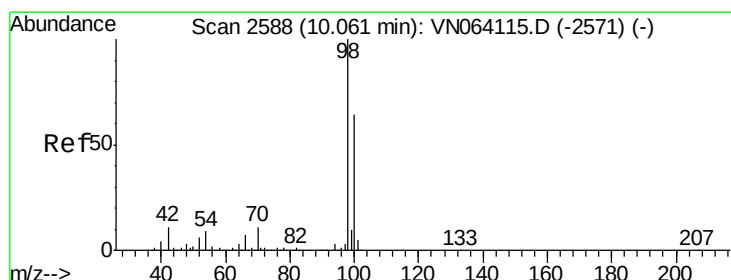
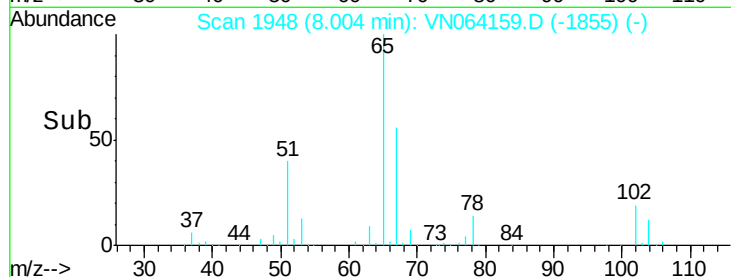
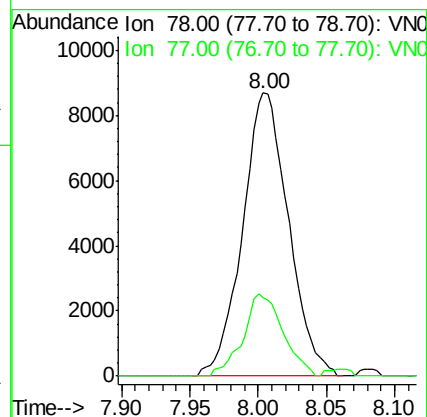
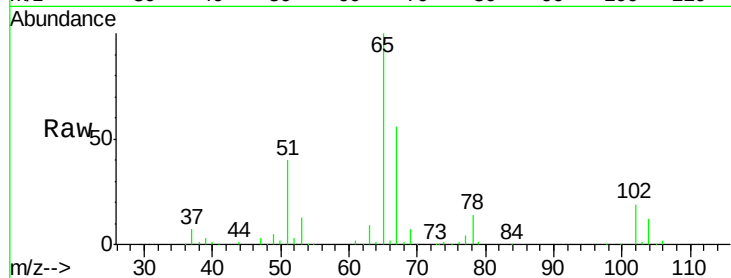
98-02

Tot Ion: 78 Resp: 20307

Ion Ratio Lower Upper

78 100

77 27.7 19.3 28.9



#50

Toluene-d8

Concen: 51.174 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064159.D

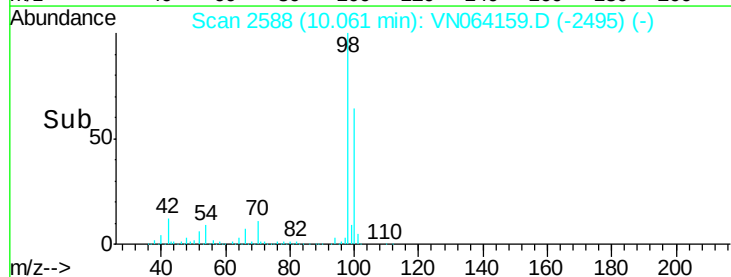
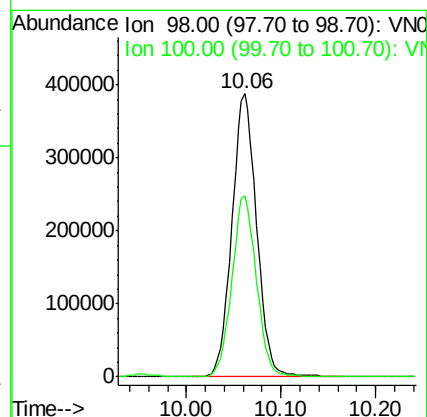
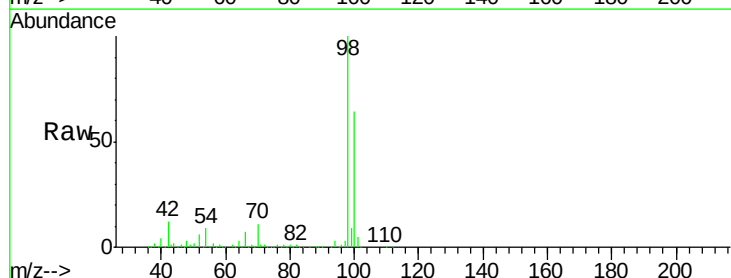
Acq: 15 Oct 2020 21:31

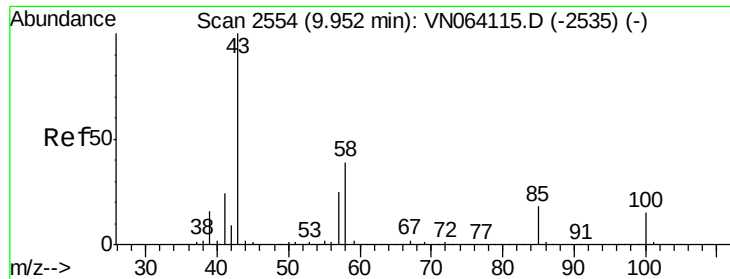
Tgt Ion: 98 Resp: 702667

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 10.351 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064159.D

Acq: 15 Oct 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

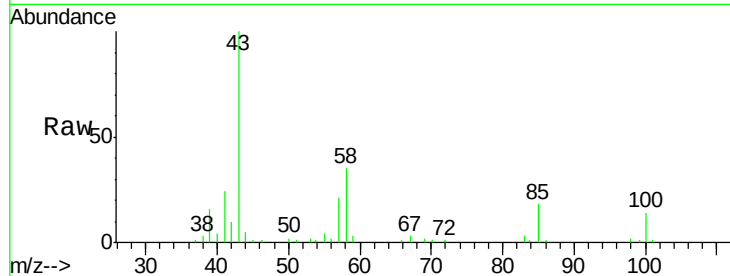
98-02

Tot Ion: 43 Resp: 45714

Ion Ratio Lower Upper

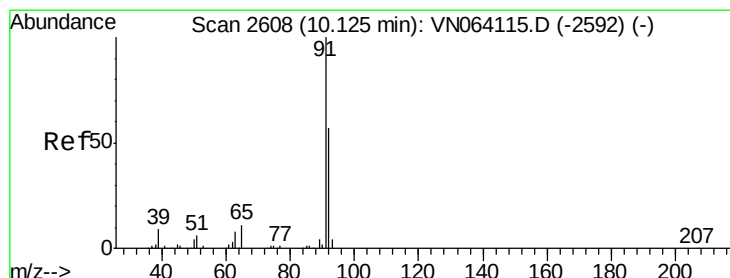
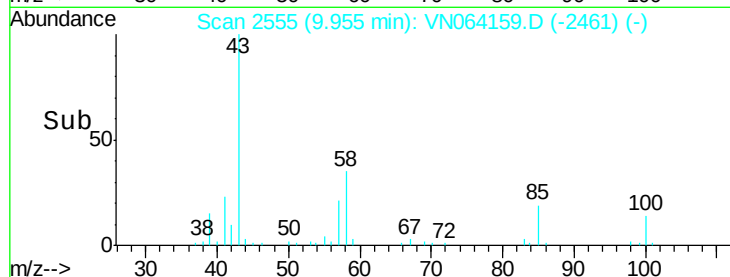
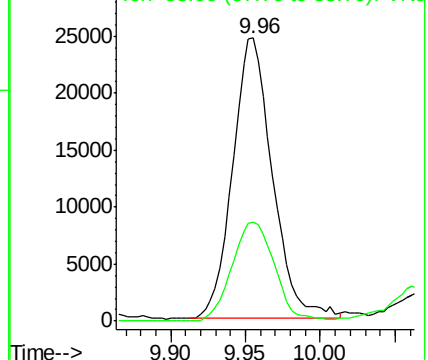
43 100

58 37.8 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 3.706 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064159.D

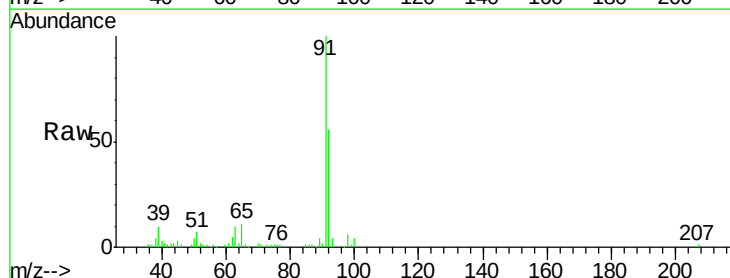
Acq: 15 Oct 2020 21:31

Tgt Ion: 92 Resp: 34942

Ion Ratio Lower Upper

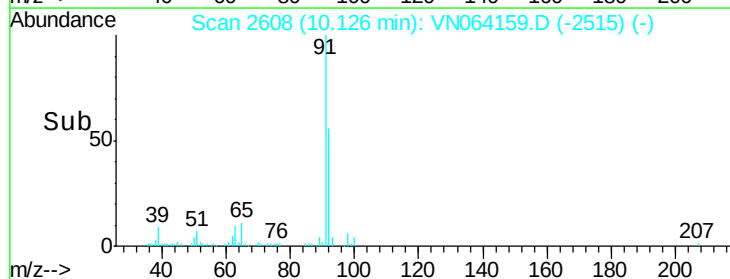
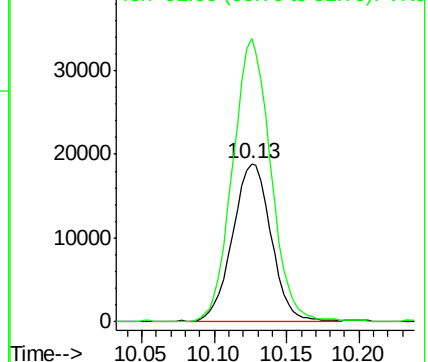
92 100

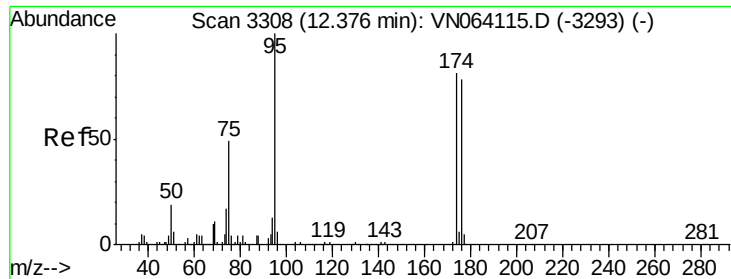
91 176.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

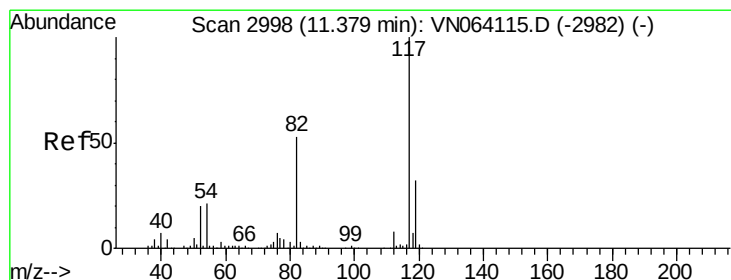
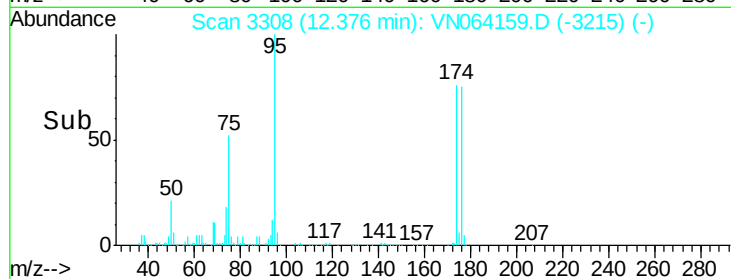
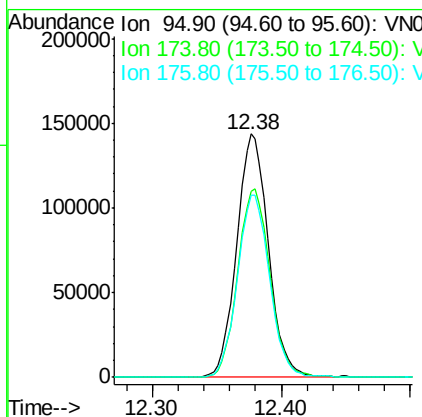
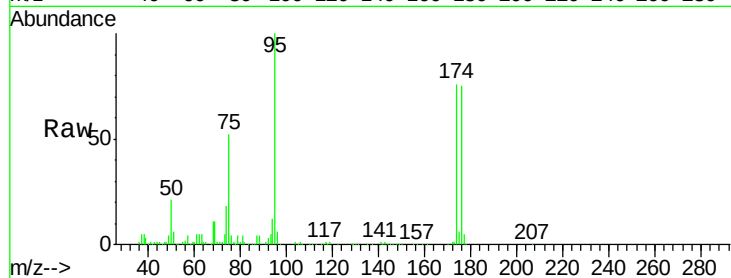




#62
4-Bromofluorobenzene
Concen: 52.001 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064159.D
Acq: 15 Oct 2020 21:31

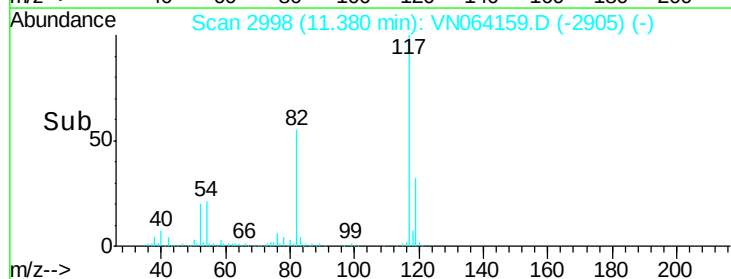
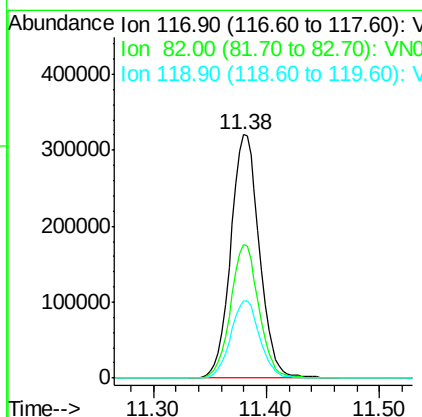
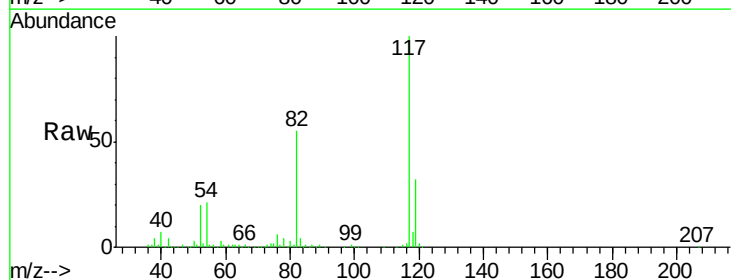
Instrument :
MSVOA_N
ClientSampled :
98-02

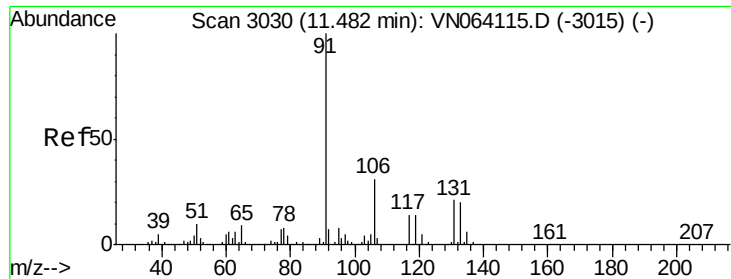
Tot Ion	95	Resp	245427
Ion Ratio	Lower	Upper	
95	100		
174	79.3	0.0	164.8
176	76.0	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064159.D
Acq: 15 Oct 2020 21:31

Tgt Ion	117	Resp	564253
Ion Ratio	Lower	Upper	
117	100		
82	55.0	42.6	63.8
119	31.6	25.5	38.3

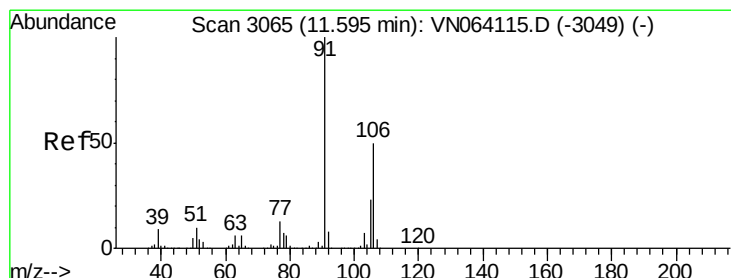
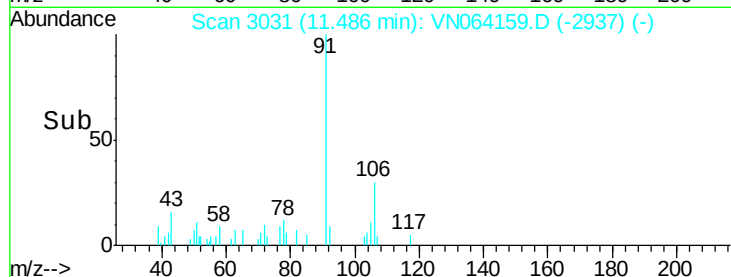
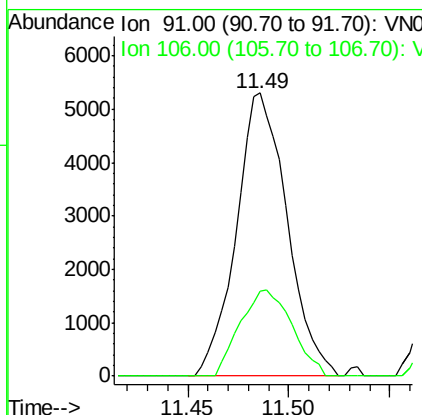
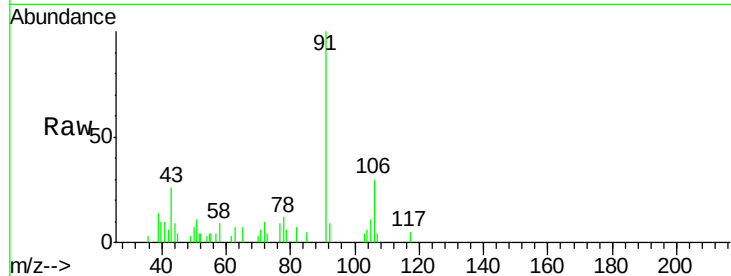




#67
Ethyl Benzene
Concen: 0.469 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064159.D
Acq: 15 Oct 2020 21:31

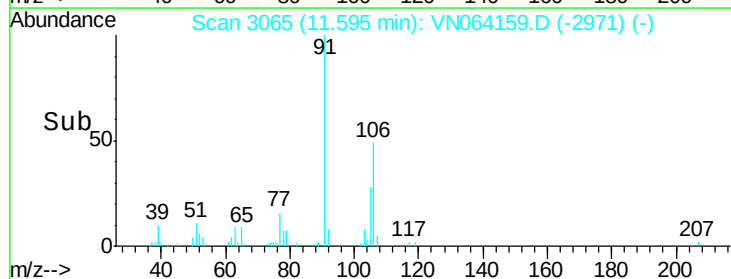
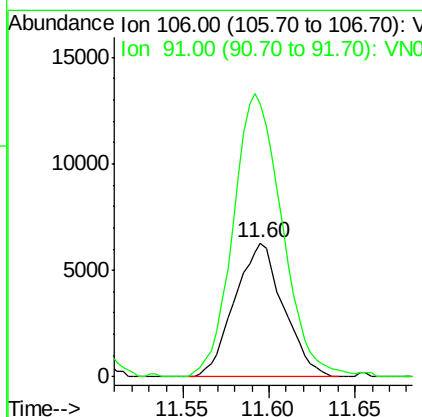
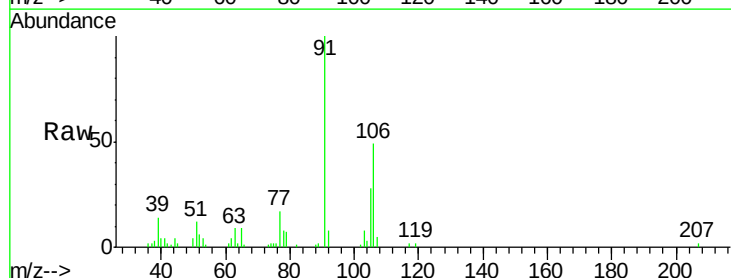
Instrument :
MSVOA_N
ClientSampled :
98-02

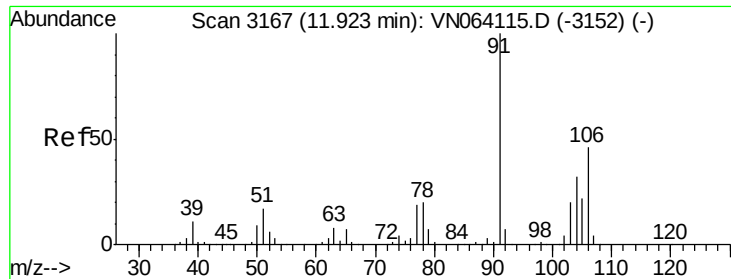
Tot Ion: 91 Resp: 9331
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 3.666 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064159.D
Acq: 15 Oct 2020 21:31

Tgt Ion: 106 Resp: 12368
Ion Ratio Lower Upper
106 100
91 212.7 162.1 243.1

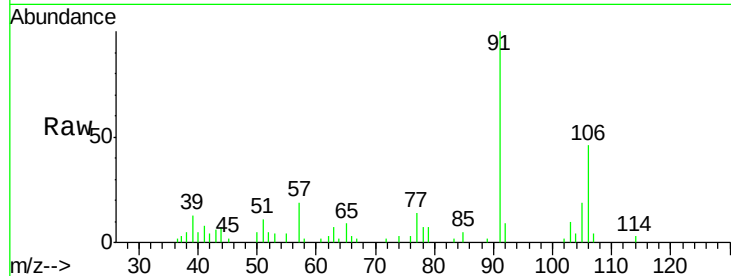




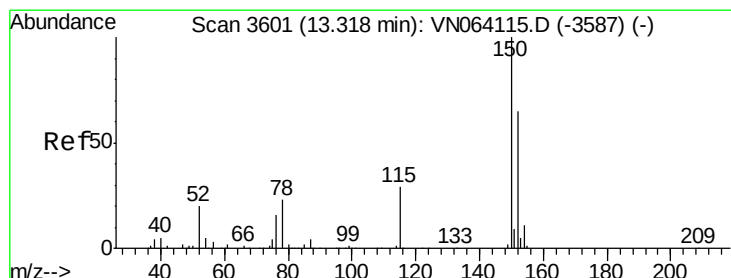
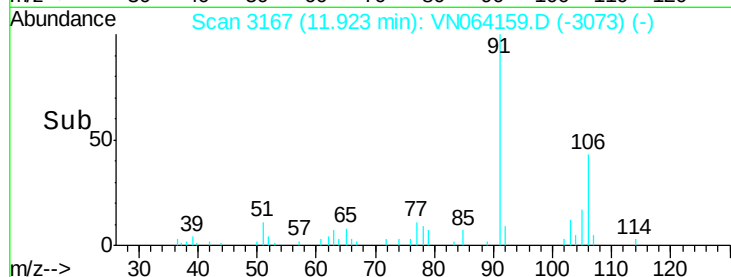
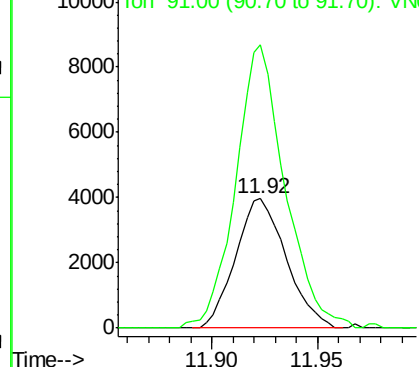
#69
o-Xylene
Concen: 2.398 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064159.D
Acq: 15 Oct 2020 21:31

Instrument :
MSVOA_N
ClientSampled :
98-02

Tot Ion:106 Resp: 6612
Ion Ratio Lower Upper
106 100
91 213.2 107.6 322.8

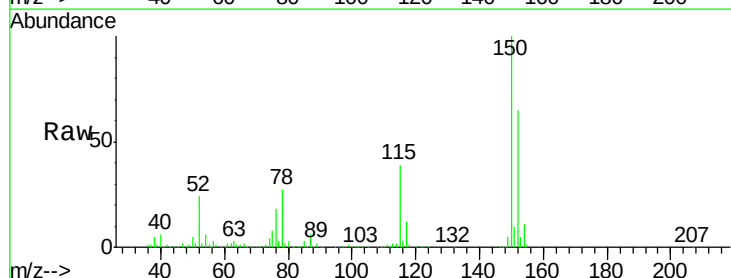


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

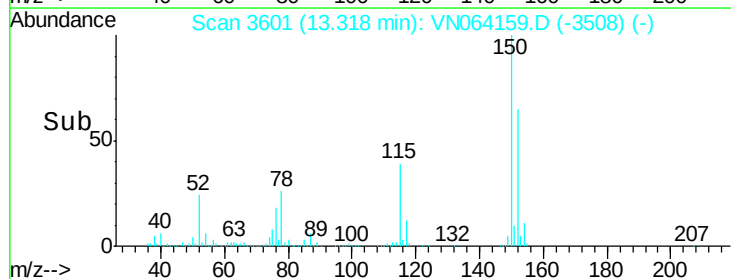
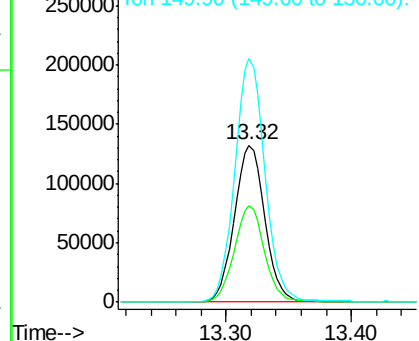


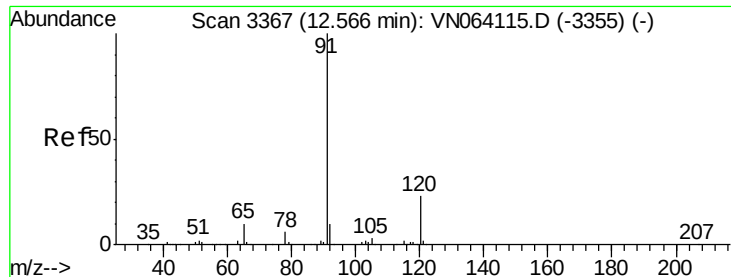
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064159.D
Acq: 15 Oct 2020 21:31

Tgt Ion:152 Resp: 222783
Ion Ratio Lower Upper
152 100
115 61.1 29.3 87.8
150 153.8 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





#78

n-propylbenzene

Concen: 0.244 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064159.D

Acq: 15 Oct 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

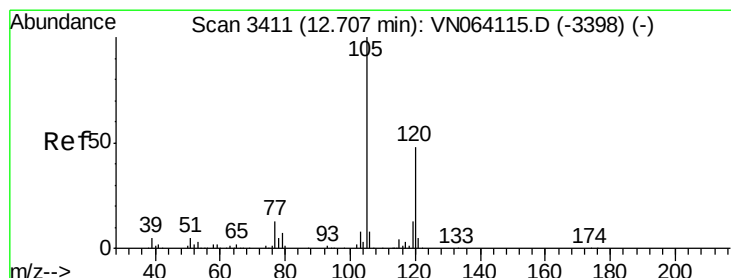
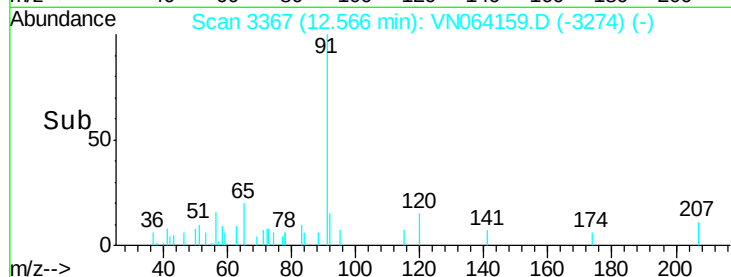
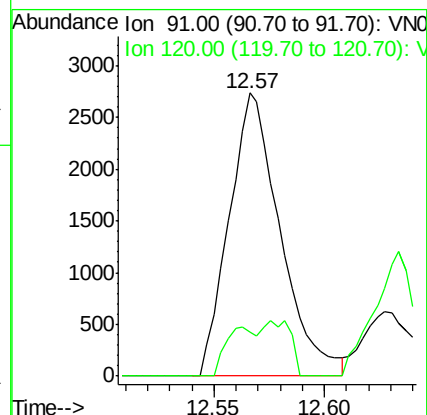
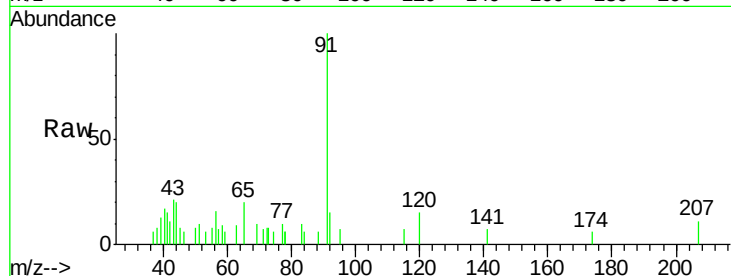
98-02

Tot Ion: 91 Resp: 4391

Ion Ratio Lower Upper

91 100

120 10.3 11.5 34.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064159.D

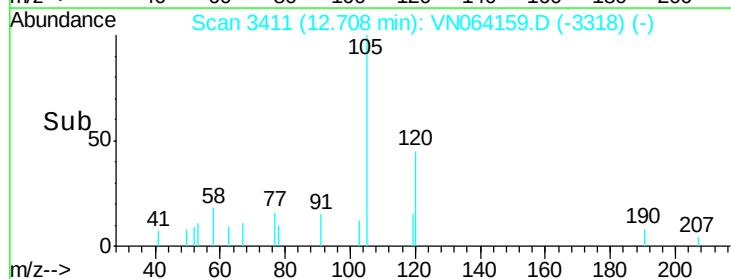
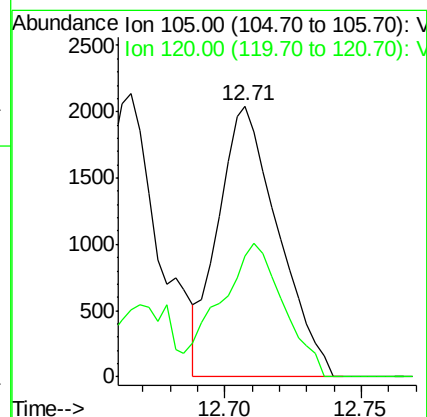
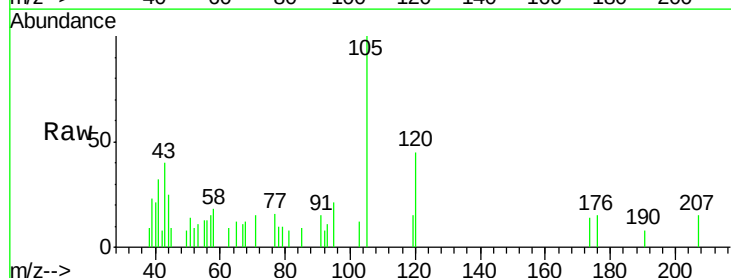
Acq: 15 Oct 2020 21:31

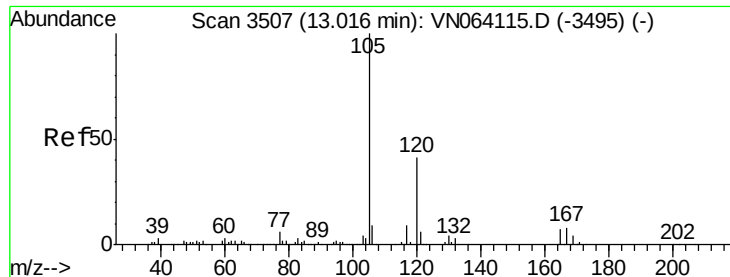
Tgt Ion: 105 Resp: 3123

Ion Ratio Lower Upper

105 100

120 52.1 24.0 72.0

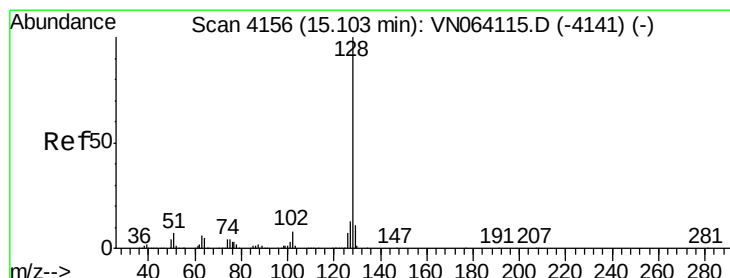
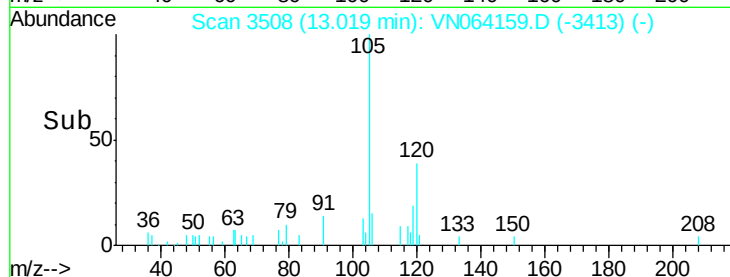
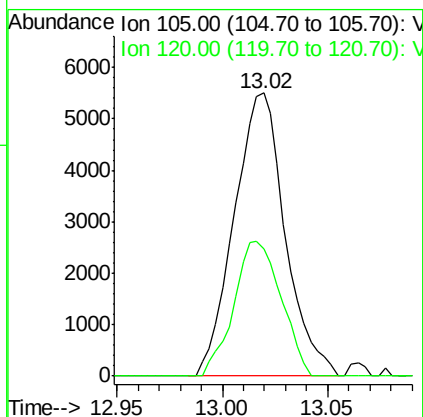
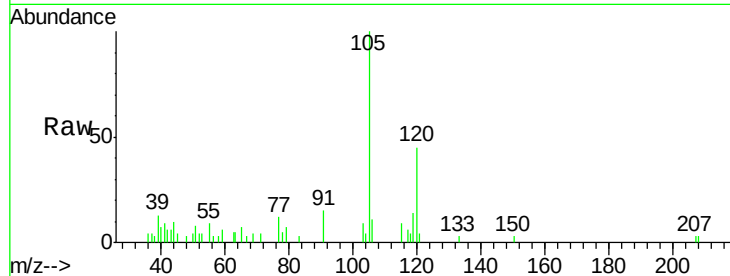




#84
 1,2,4-Trimethylbenzene
 Concen: 0.867 ug/l
 RT: 13.02 min Scan# 3508
 Delta R.T. 0.00 min
 Lab File: VN064159.D
 Acq: 15 Oct 2020 21:31

Instrument :
 MSVOA_N
 ClientSampled :
 98-02

Tot Ion:105 Resp: 9248
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.8 68.4



#95
 Naphthalene
 Concen: 4.303 ug/l
 RT: 15.11 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN064159.D
 Acq: 15 Oct 2020 21:31

Tgt Ion:128 Resp: 5965
 Ion Ratio Lower Upper
 128 100
 127 7.1 10.2 15.4#
 129 11.1 8.5 12.7

