

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
 Data File : VN064347.D
 Acq On : 28 Oct 2020 13:11
 Operator : JC/MD
 Sample : L4486-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1814

Quant Time: Oct 29 03:03:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	222706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	387770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	393821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186767	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	178738	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	7.55	113	130998	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.06	98	510694	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.38	95	223512	59.93	ug/l	0.00
Spiked Amount			Recovery	=	119.86%	

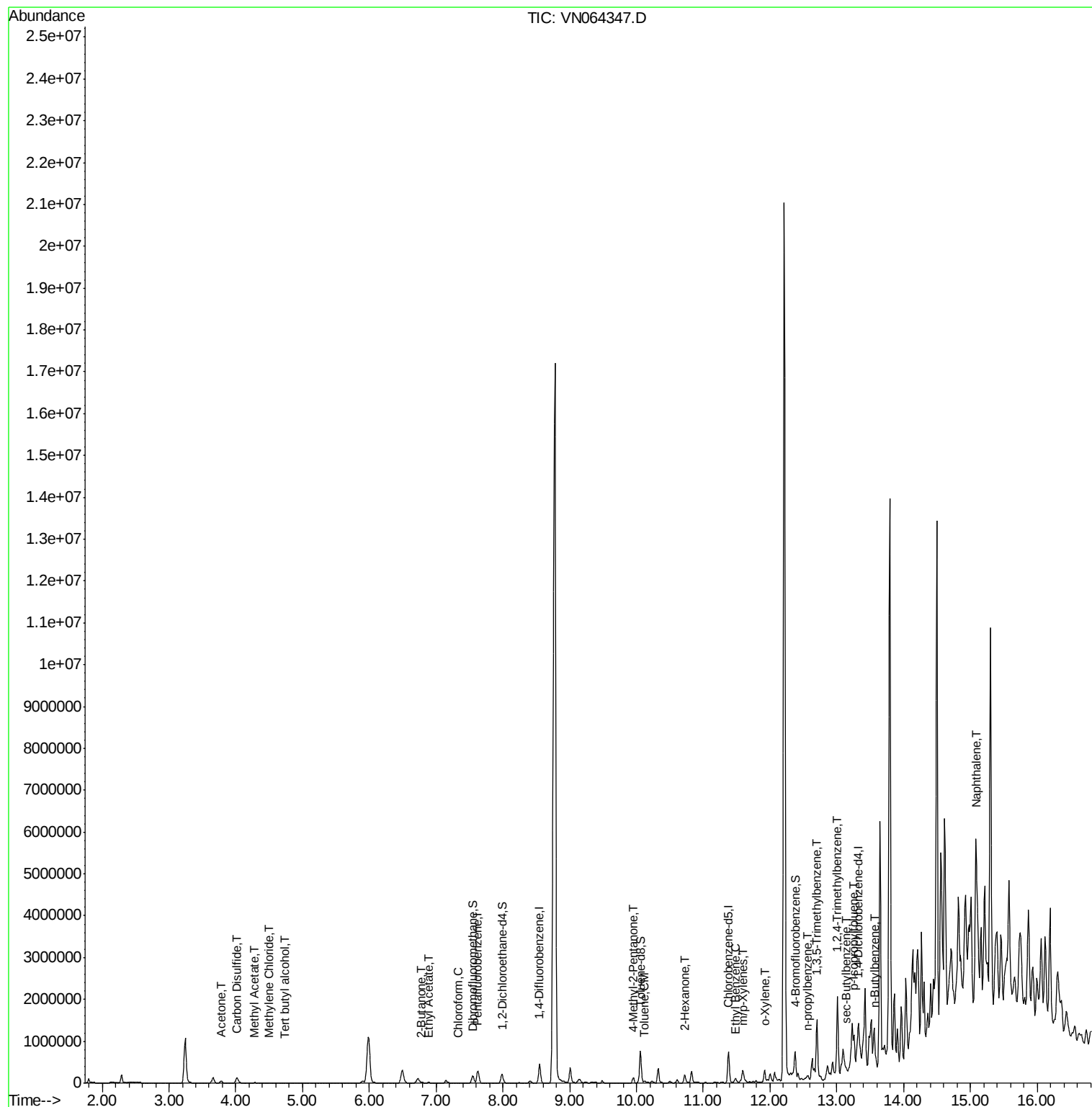
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	7700	14.821	ug/l #	74
16) Acetone	3.78	43	72171	53.373	ug/l	97
17) Carbon Disulfide	4.01	76	61890	9.831	ug/l	100
18) Methyl Acetate	4.28	43	19844	7.381	ug/l	97
20) Methylene Chloride	4.51	84	5732	2.258	ug/l #	87
25) 2-Butanone	6.79	43	18404	10.242	ug/l #	90
30) Chloroform	7.33	83	2997	0.591	ug/l #	60
37) Ethyl Acetate	6.88	43	25199	6.375	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	94423	24.039	ug/l	100
52) Toluene	10.12	92	18182	2.645	ug/l	91
59) 2-Hexanone	10.72	43	135313	46.774	ug/l	99
67) Ethyl Benzene	11.48	91	45209	3.046	ug/l	96
68) m/p-Xylenes	11.59	106	81456	14.808	ug/l	98
69) o-Xylene	11.92	106	57632	10.875	ug/l	99
78) n-propylbenzene	12.57	91	81089	5.120	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	177645	15.009	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	817206	69.098	ug/l	100
85) sec-Butylbenzene	13.14	105	40085	3.189	ug/l	80
86) p-Isopropyltoluene	13.26	119	256950	22.692	ug/l	96
89) n-Butylbenzene	13.59	91	99315	9.956	ug/l #	71
95) Naphthalene	15.10	128	1111748	102.652	ug/l	95

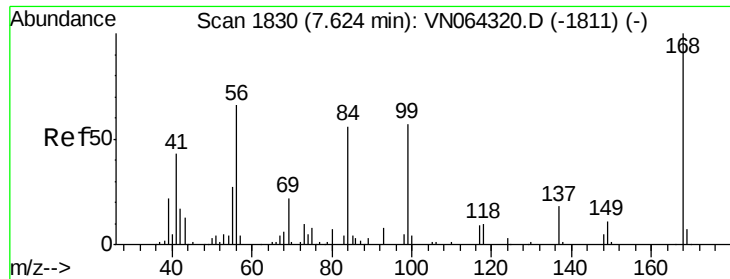
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1814

Quant Time: Oct 29 03:03:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
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: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

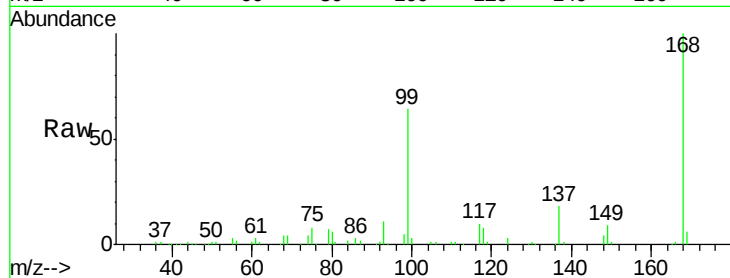
1814

Tot Ion:168 Resp: 222706

Ion Ratio Lower Upper

168 100

99 64.1 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

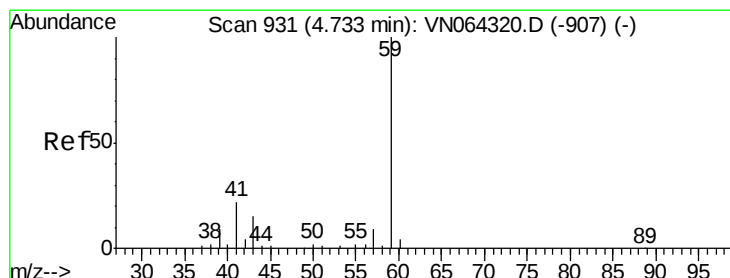
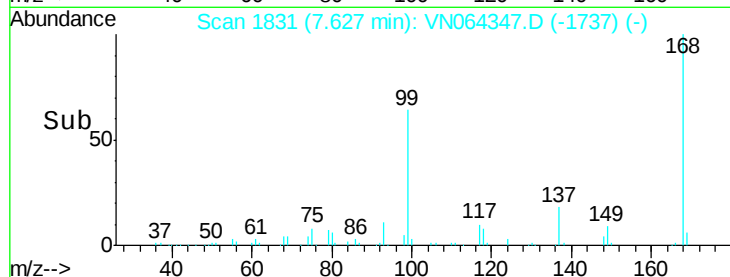
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 14.821 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN064347.D

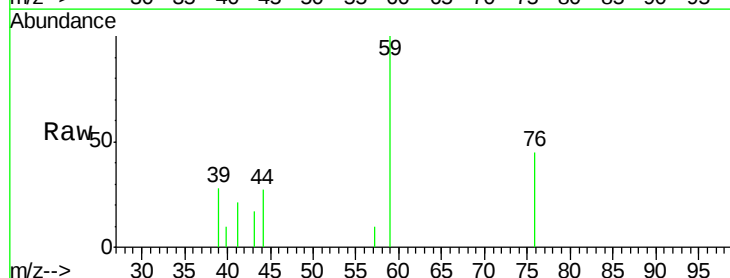
Acq: 28 Oct 2020 13:11

Tgt Ion: 59 Resp: 7700

Ion Ratio Lower Upper

59 100

57 1.5 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

2500

2000

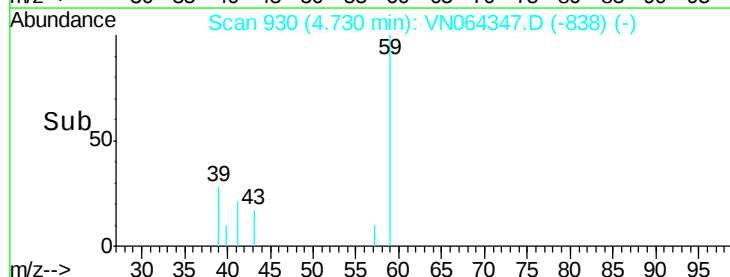
1500

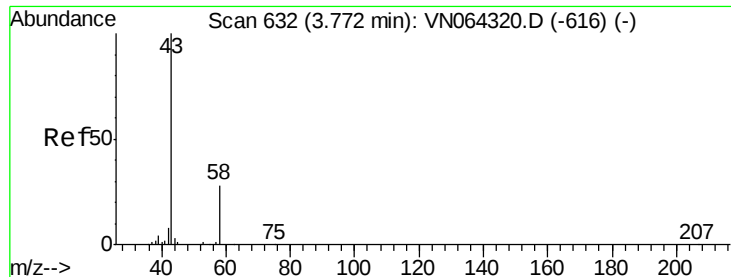
1000

500

0

Time-->





#16

Acetone

Concen: 53.373 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

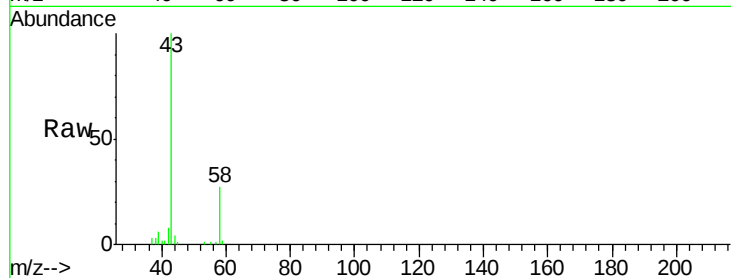
1814

Tot Ion: 43 Resp: 72171

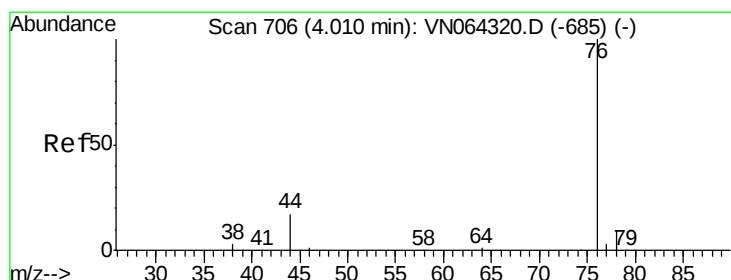
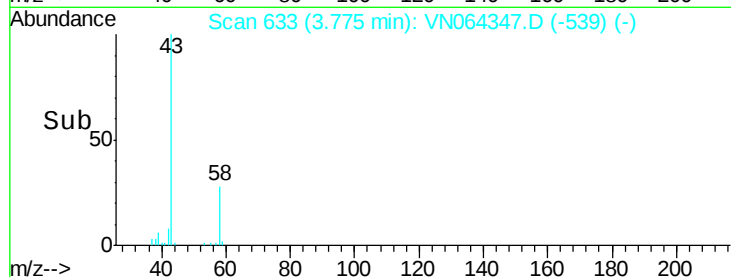
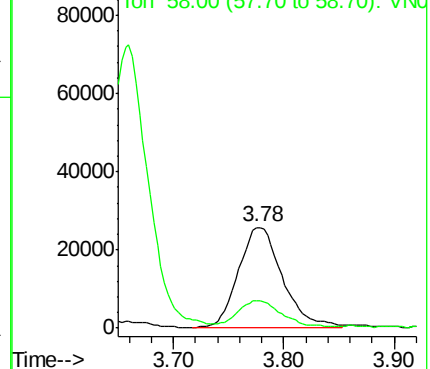
Ion Ratio Lower Upper

43 100

58 25.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-616) (-)



#17

Carbon Disulfide

Concen: 9.831 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064347.D

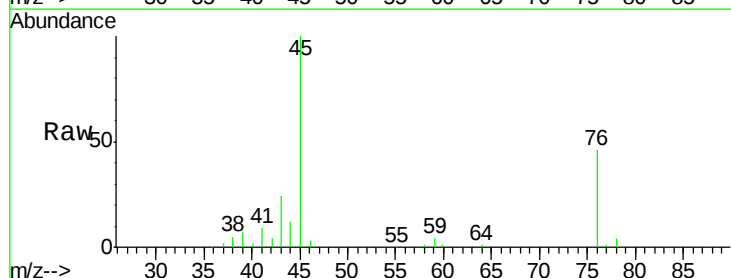
Acq: 28 Oct 2020 13:11

Tgt Ion: 76 Resp: 61890

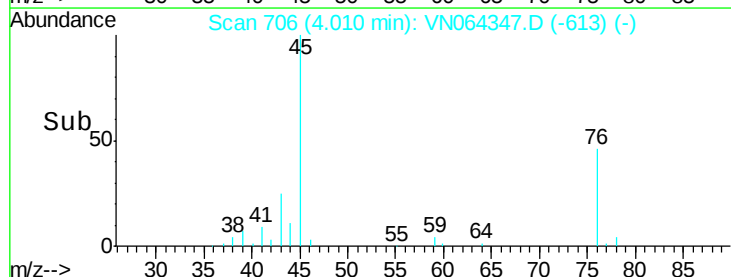
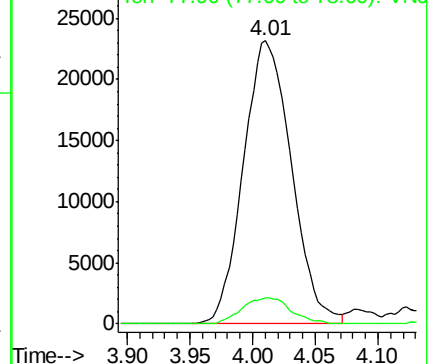
Ion Ratio Lower Upper

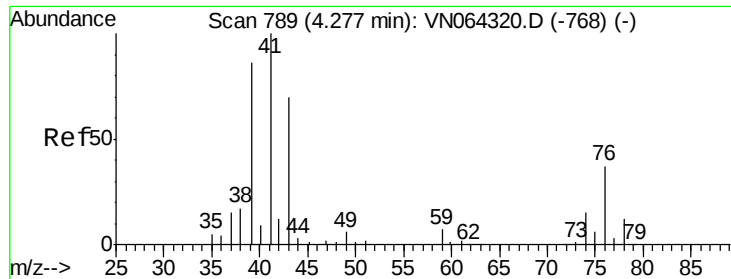
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN064320.D (-685) (-)

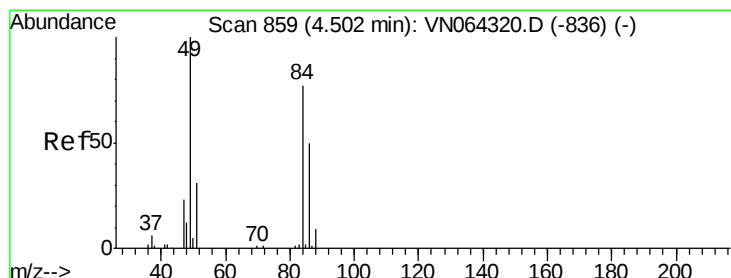
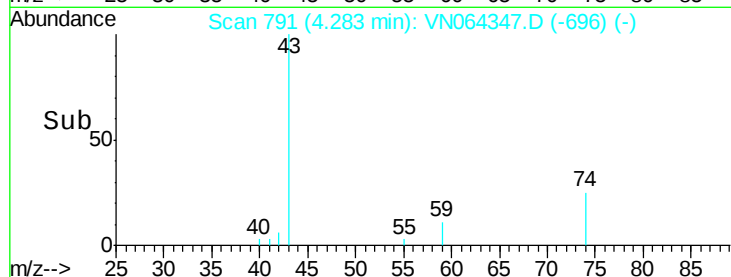
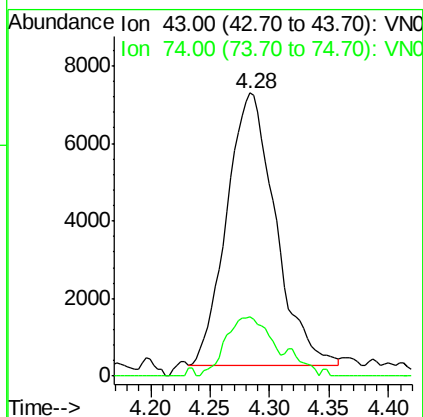
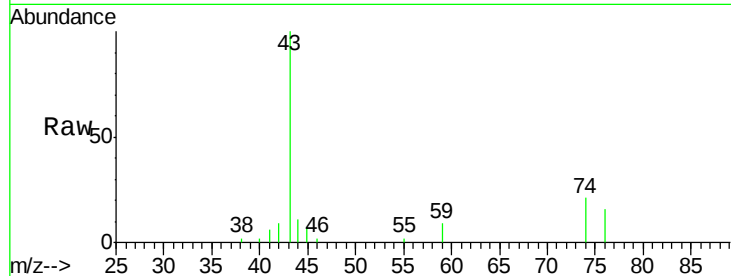




#18
Methyl Acetate
Concen: 7.381 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

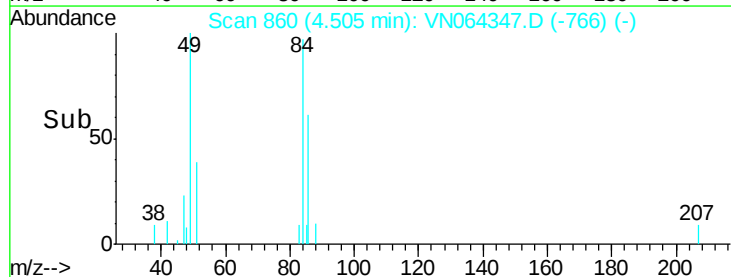
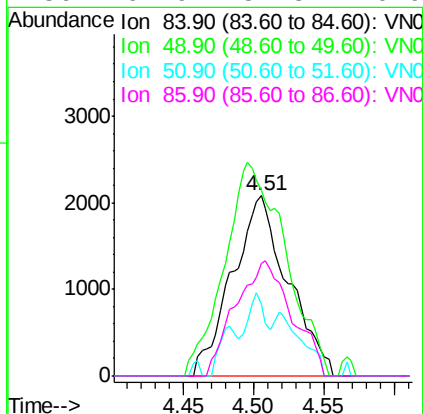
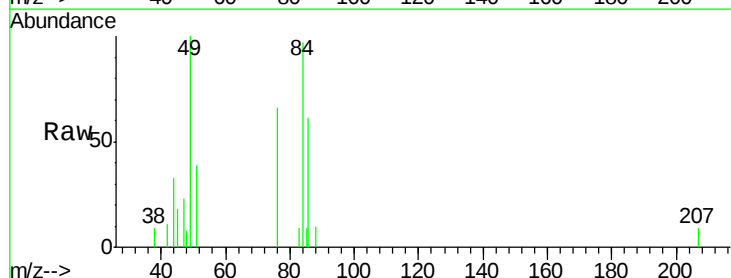
Instrument :
MSVOA_N
ClientSampleId :
1814

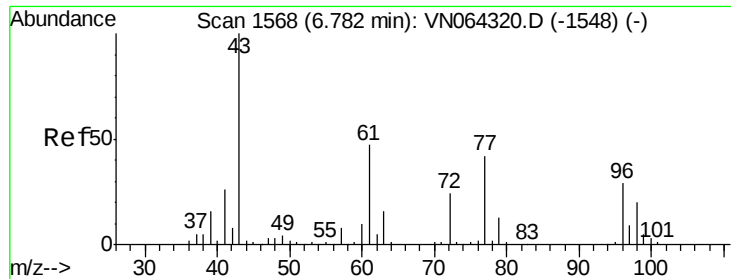
Tot Ion: 43 Resp: 19844
Ion Ratio Lower Upper
43 100
74 19.7 16.7 25.1



#20
Methylene Chloride
Concen: 2.258 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

Tgt Ion: 84 Resp: 5732
Ion Ratio Lower Upper
84 100
49 102.9 103.6 155.4#
51 39.7 31.8 47.8
86 62.9 51.3 76.9

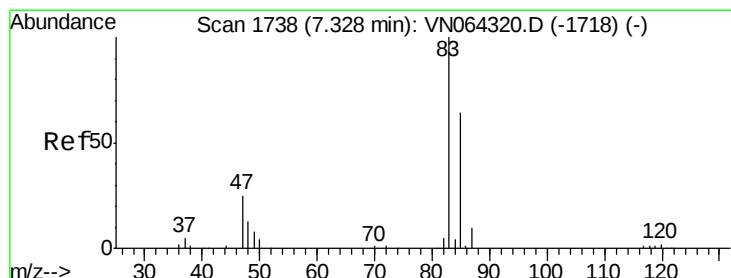
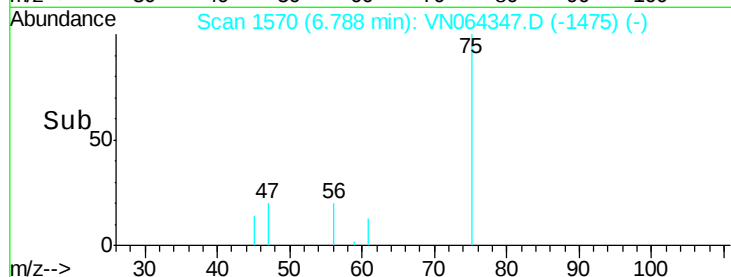
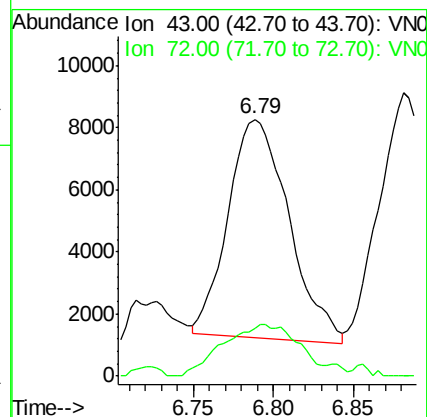
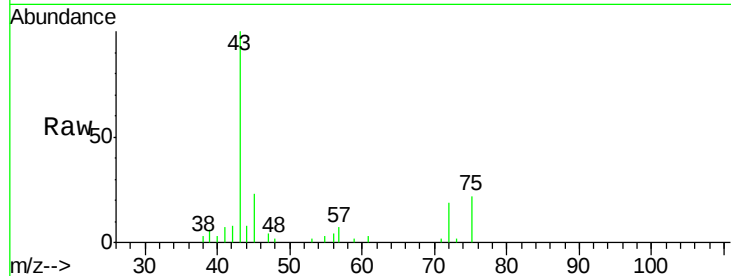




#25
2-Butanone
Concen: 10.242 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

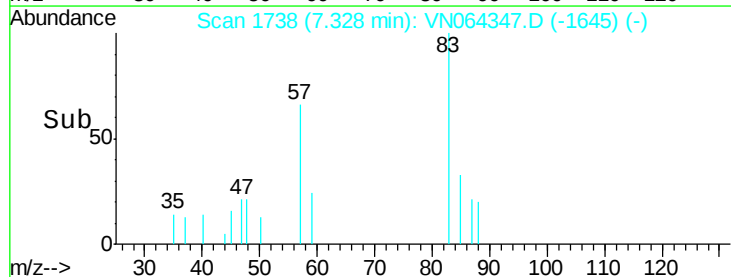
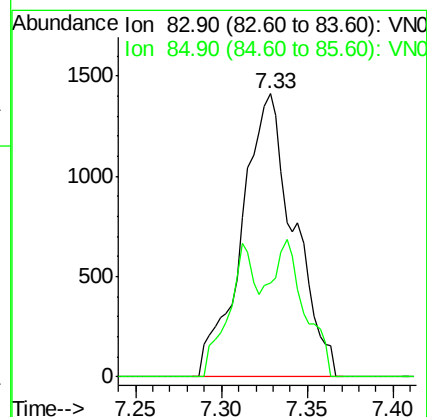
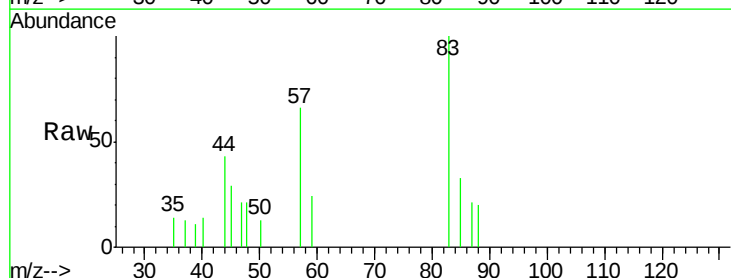
Instrument :
MSVOA_N
ClientSampled :
1814

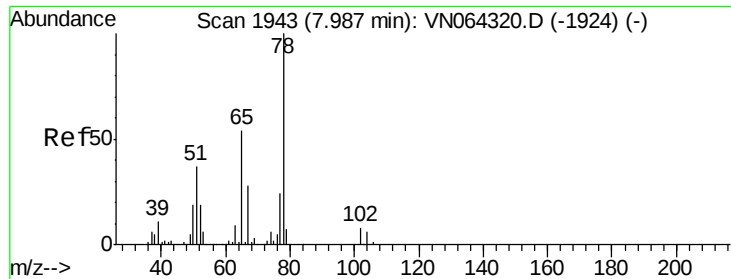
Tot Ion: 43 Resp: 18404
Ion Ratio Lower Upper
43 100
72 18.4 18.8 28.2#



#30
Chloroform
Concen: 0.591 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

Tgt Ion: 83 Resp: 2997
Ion Ratio Lower Upper
83 100
85 33.0 51.1 76.7#

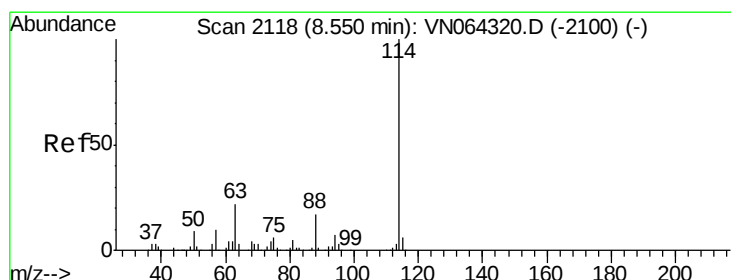
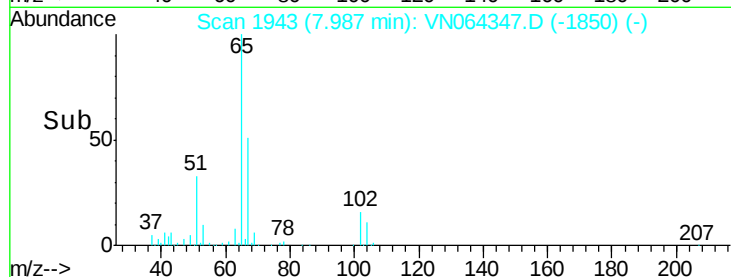
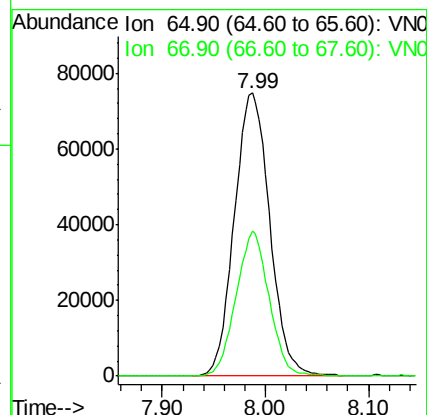
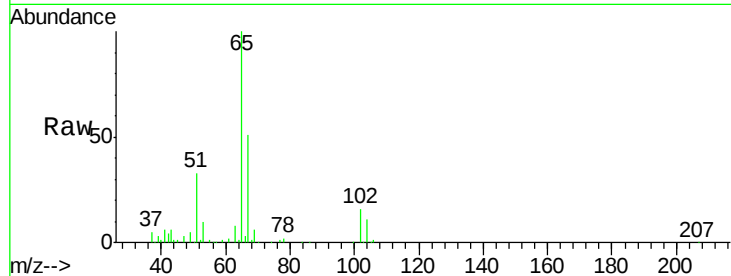




#33
 1,2-Dichloroethane-d4
 Concen: 49.943 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

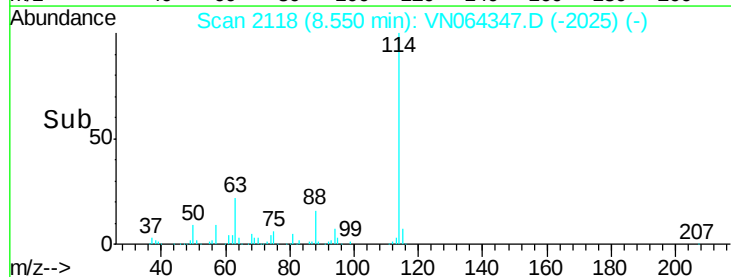
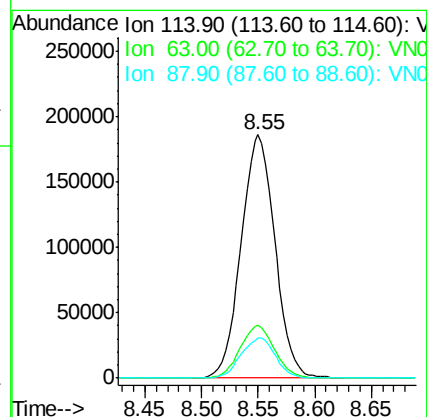
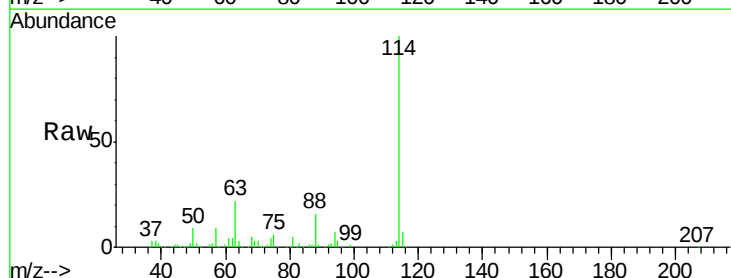
Instrument :
 MSVOA_N
 ClientSampleId :
 1814

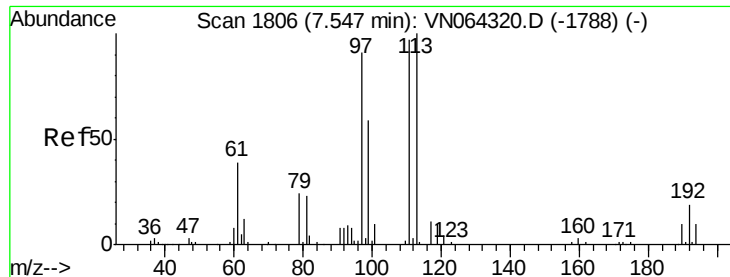
Tot Ion: 65 Resp: 178738
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

Tgt Ion: 114 Resp: 387770
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.6
 88 16.2 0.0 33.4

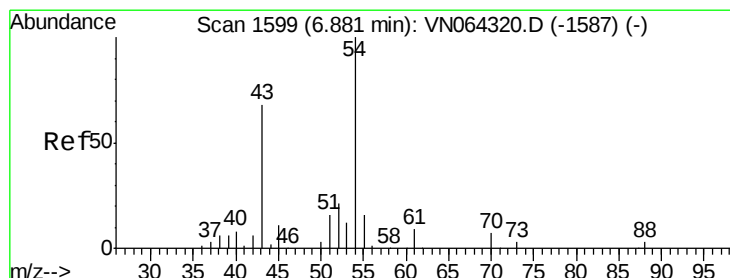
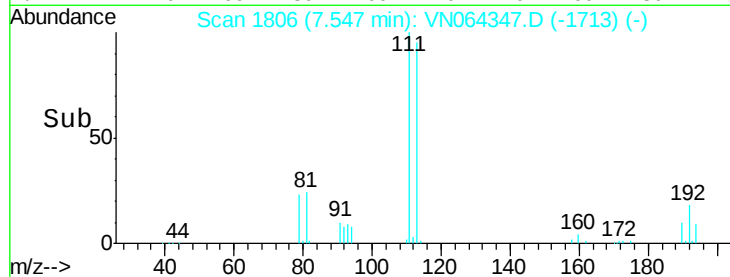
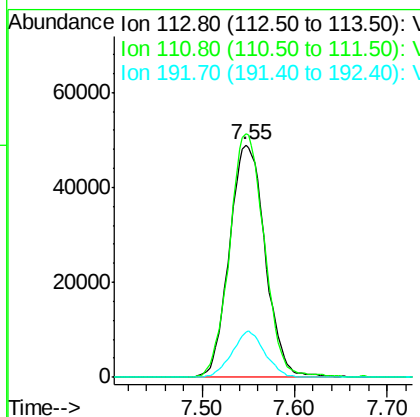
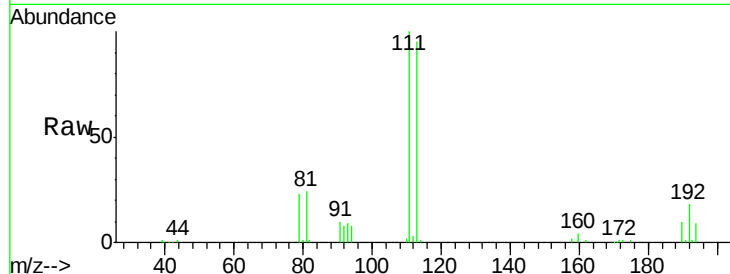




#35
 Dibromofluoromethane
 Concen: 50.658 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

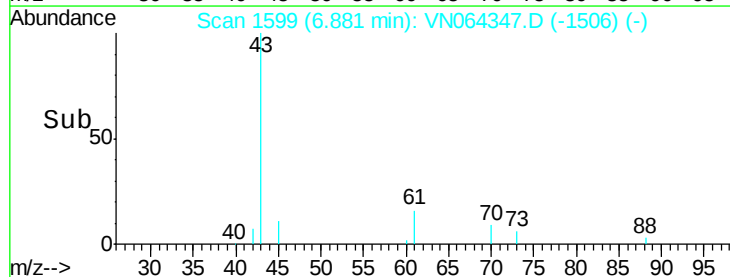
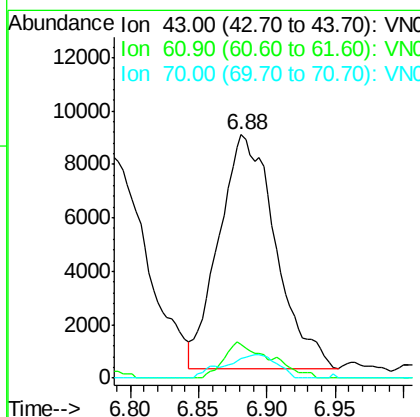
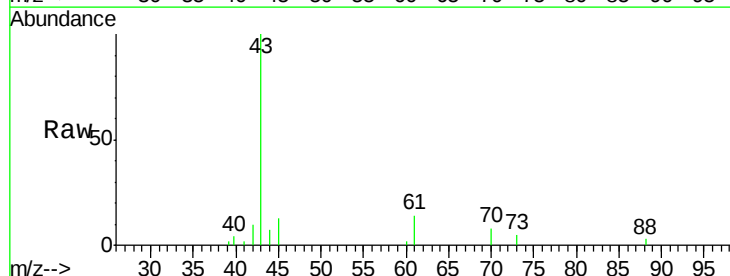
Instrument :
 MSVOA_N
 ClientSampleId :
 1814

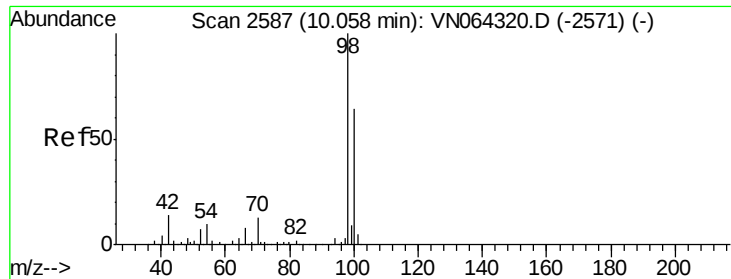
Tot Ion:113 Resp: 130998
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 18.2 15.0 22.4



#37
 Ethyl Acetate
 Concen: 6.375 ug/l
 RT: 6.88 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

Tgt Ion: 43 Resp: 25199
 Ion Ratio Lower Upper
 43 100
 61 12.6 10.0 15.0
 70 7.4 7.1 10.7





#50

Toluene-d8

Concen: 53.391 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

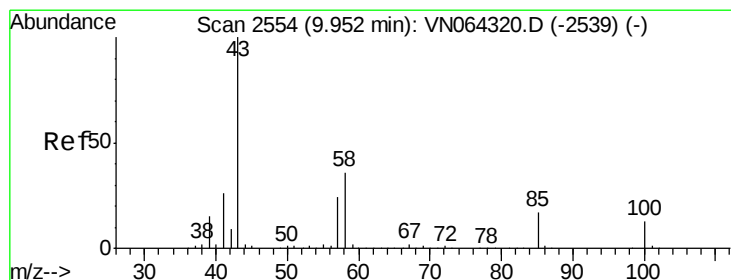
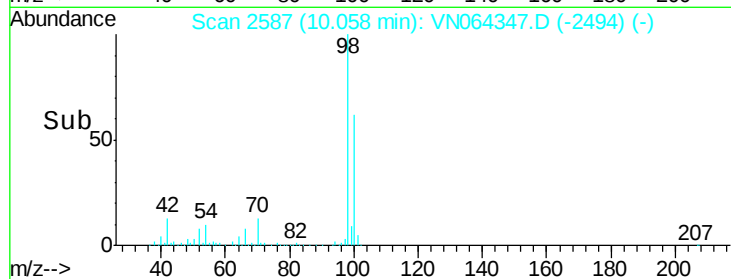
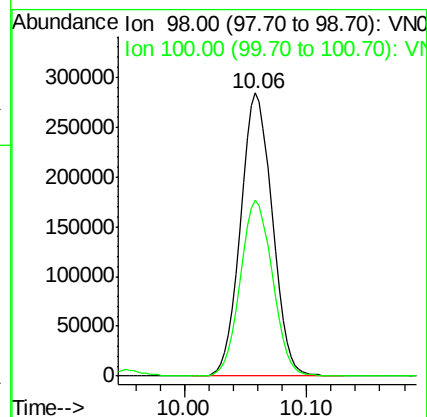
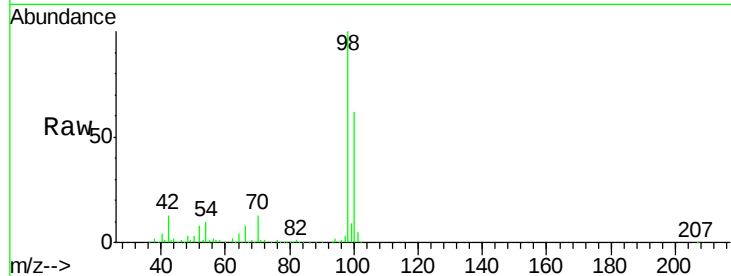
ClientSampled :
1814

Tot Ion: 98 Resp: 510694

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 24.039 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064347.D

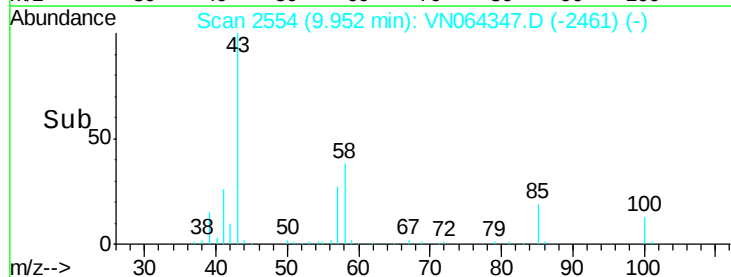
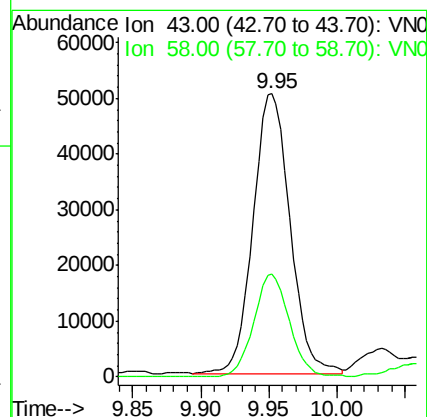
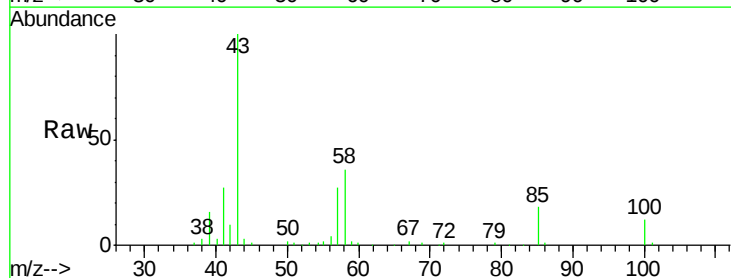
Acq: 28 Oct 2020 13:11

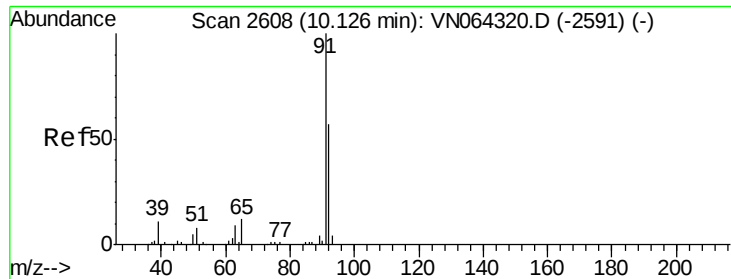
Tgt Ion: 43 Resp: 94423

Ion Ratio Lower Upper

43 100

58 35.6 28.6 42.8





#52

Toluene

Concen: 2.645 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

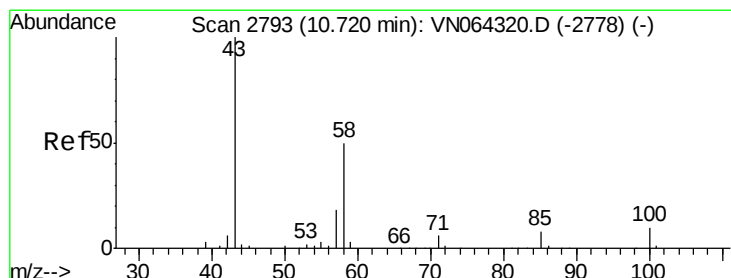
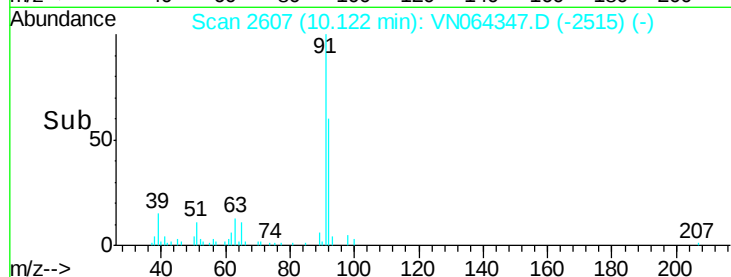
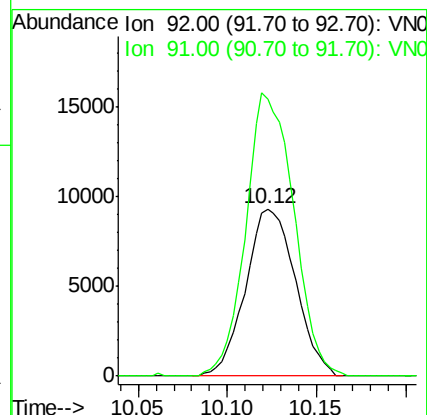
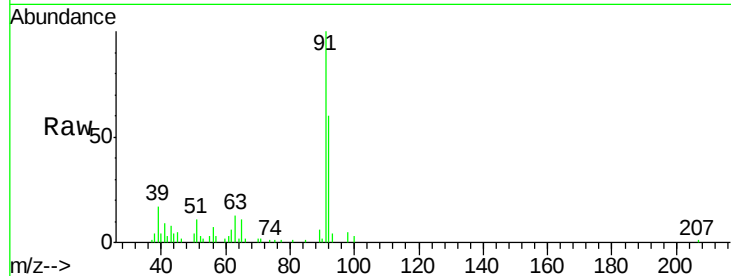
1814

Tot Ion: 92 Resp: 18182

Ion Ratio Lower Upper

92 100

91 162.5 139.9 209.9



#59

2-Hexanone

Concen: 46.774 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064347.D

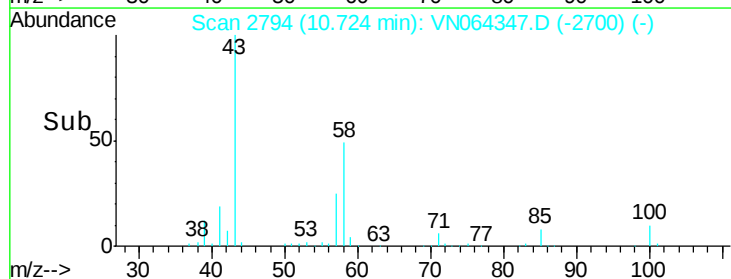
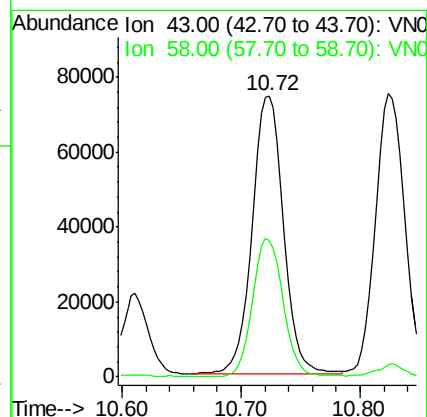
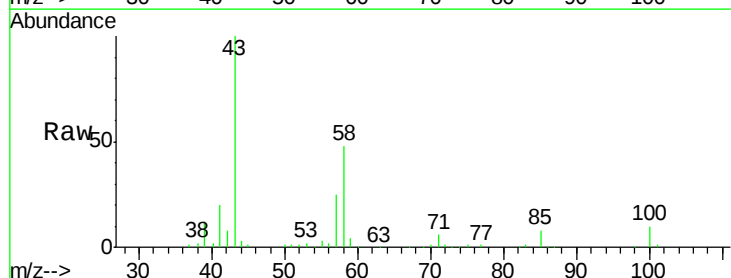
Acq: 28 Oct 2020 13:11

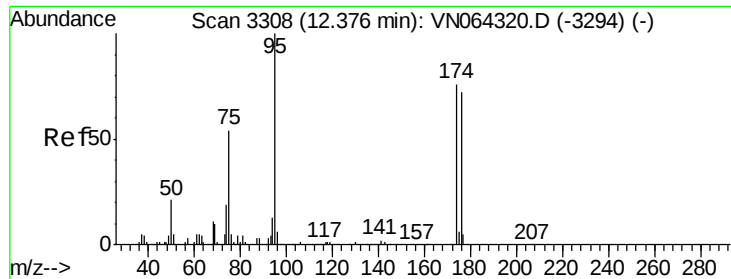
Tgt Ion: 43 Resp: 135313

Ion Ratio Lower Upper

43 100

58 49.0 25.0 75.0





#62

4-Bromofluorobenzene

Concen: 59.933 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

1814

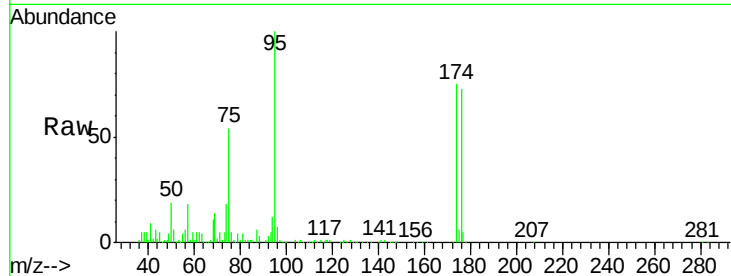
Tot Ion: 95 Resp: 223512

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.4

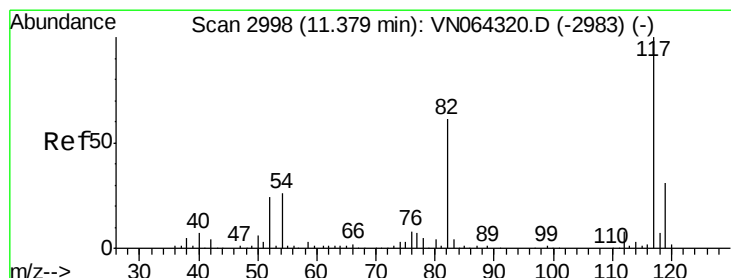
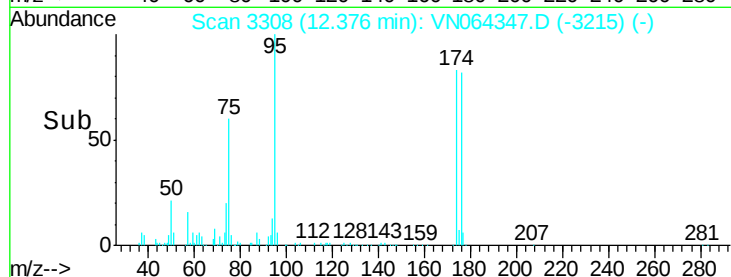
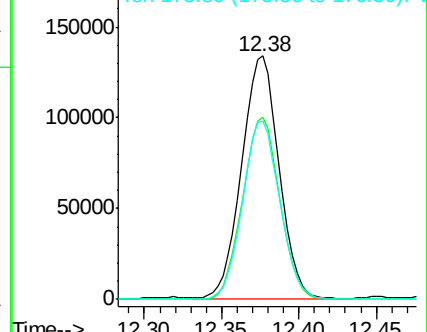
176 73.7 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VN064320.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064320.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064320.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

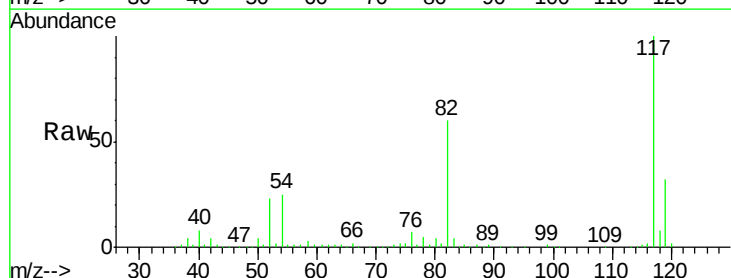
Tgt Ion: 117 Resp: 393821

Ion Ratio Lower Upper

117 100

82 60.0 48.8 73.2

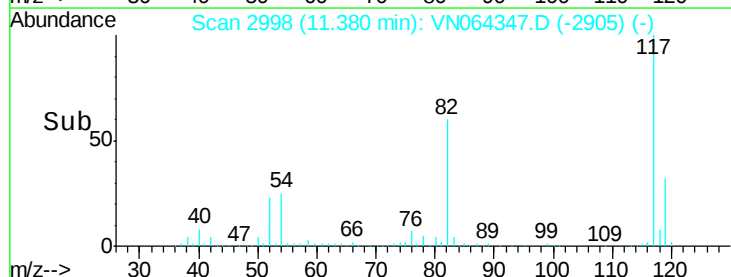
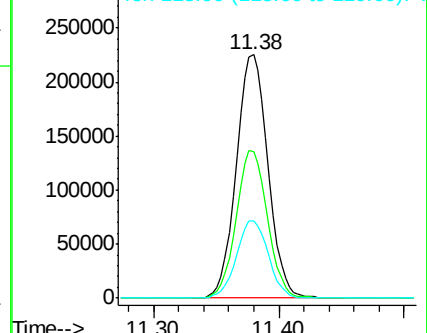
119 31.8 25.1 37.7

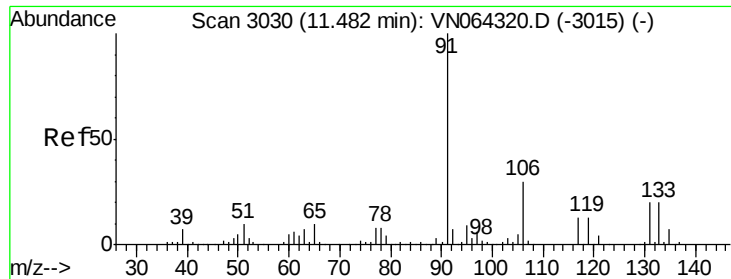


Abundance Ion 116.90 (116.60 to 117.60): VN064320.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064320.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064320.D (-2983) (-)

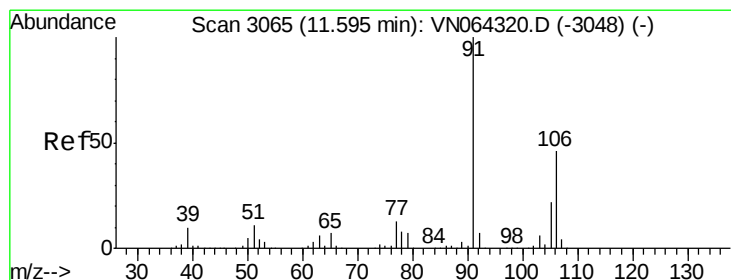
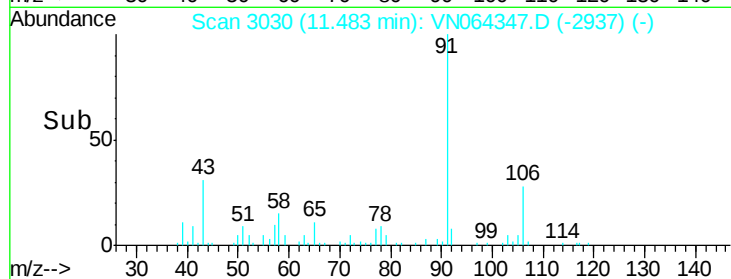
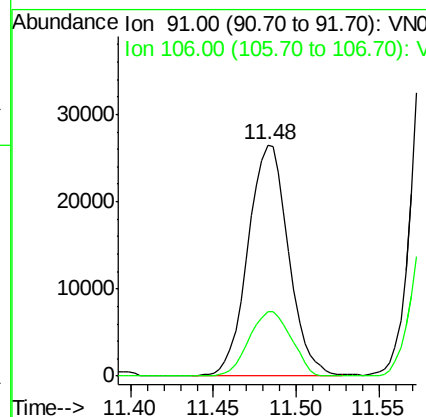
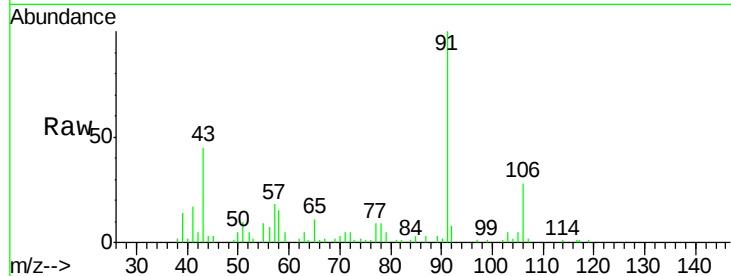




#67
Ethyl Benzene
Concen: 3.046 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

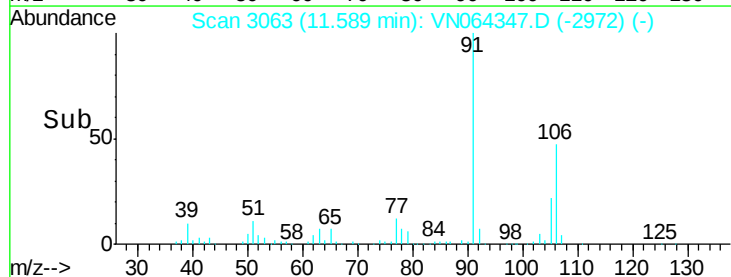
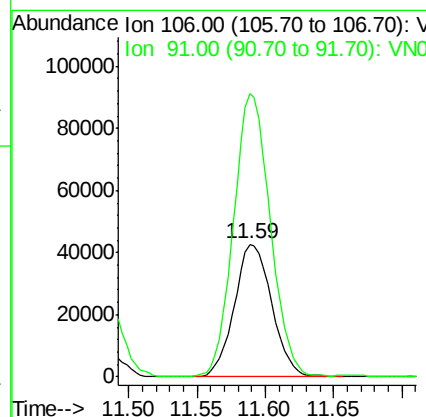
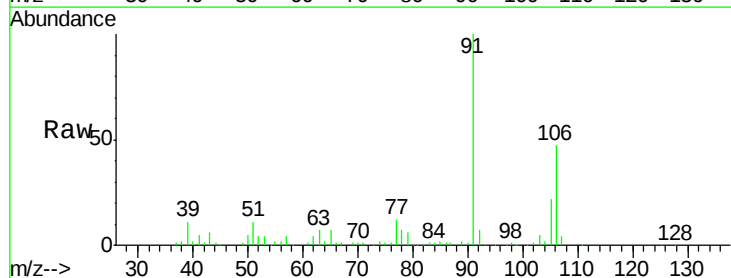
Instrument :
MSVOA_N
ClientSampled :
1814

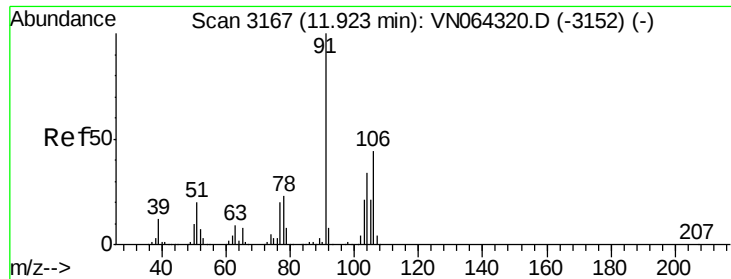
Tot Ion: 91 Resp: 45209
Ion Ratio Lower Upper
91 100
106 27.6 23.7 35.5



#68
m/p-Xylenes
Concen: 14.808 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

Tgt Ion: 106 Resp: 81456
Ion Ratio Lower Upper
106 100
91 209.7 170.2 255.4

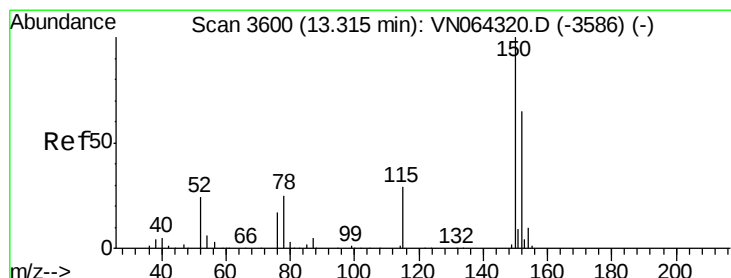
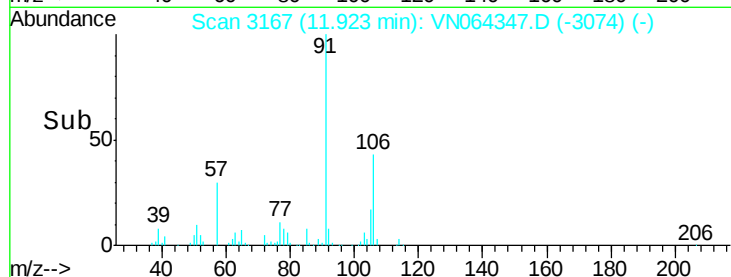
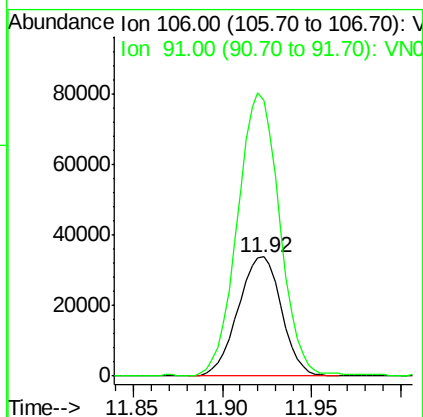
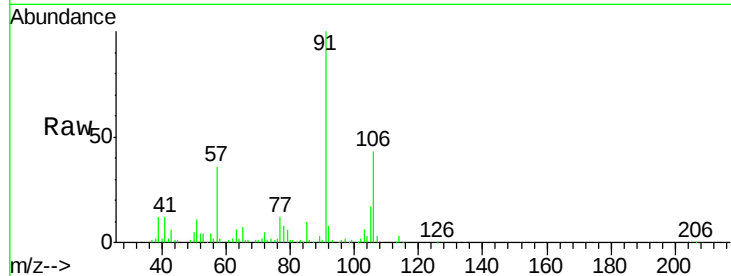




#69
o-Xylene
Concen: 10.875 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

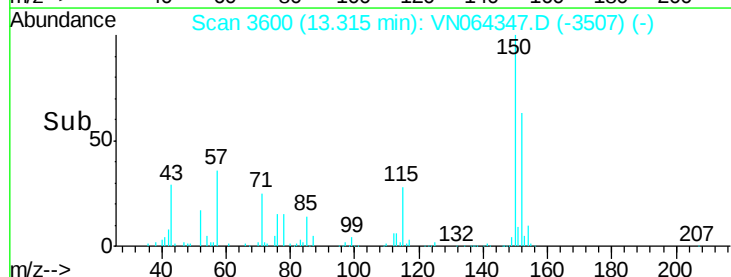
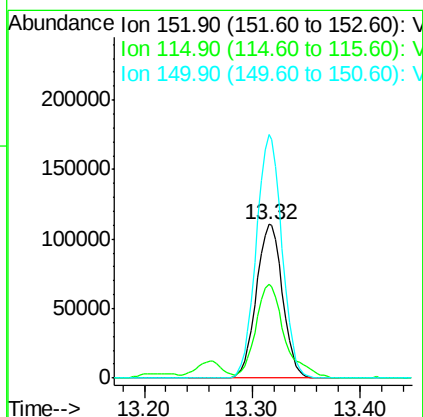
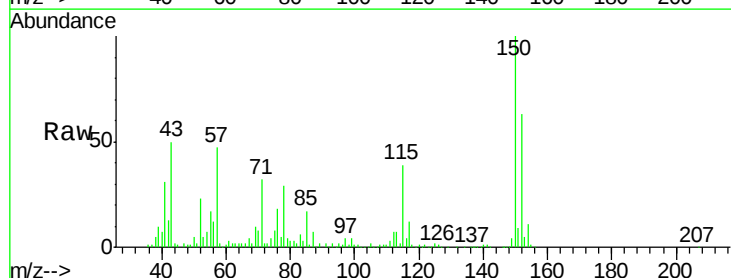
Instrument :
MSVOA_N
ClientSampled :
1814

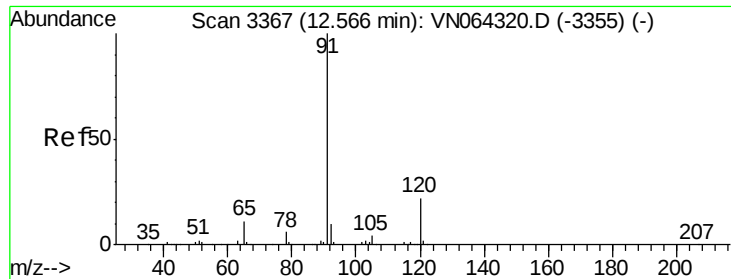
Tot Ion:106 Resp: 57632
Ion Ratio Lower Upper
106 100
91 230.2 114.5 343.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064347.D
Acq: 28 Oct 2020 13:11

Tgt Ion:152 Resp: 186767
Ion Ratio Lower Upper
152 100
115 66.3 31.5 94.5
150 154.1 0.0 346.2





#78

n-propylbenzene

Concen: 5.120 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

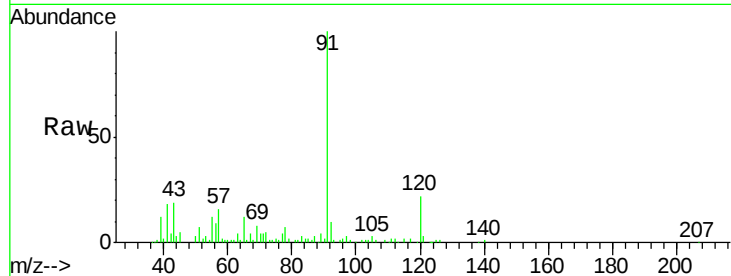
1814

Tot Ion: 91 Resp: 81089

Ion Ratio Lower Upper

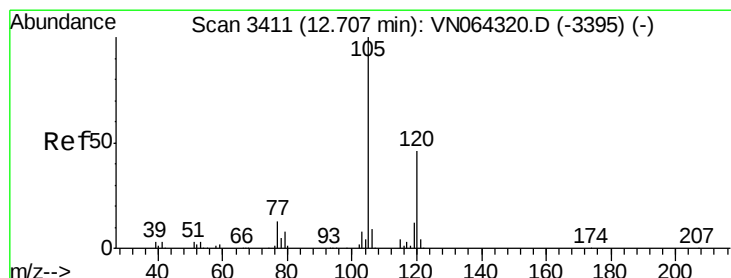
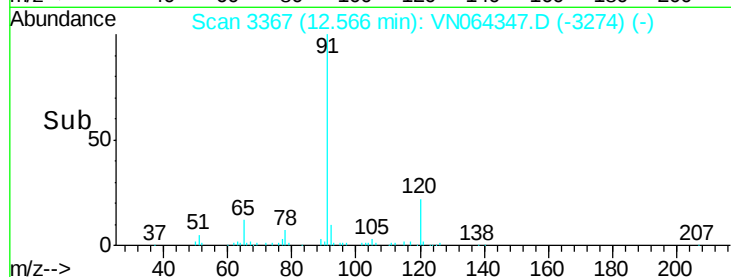
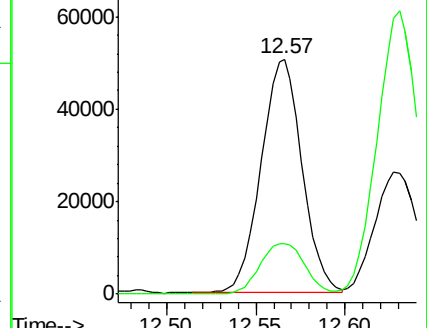
91 100

120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN064320.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 15.009 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064347.D

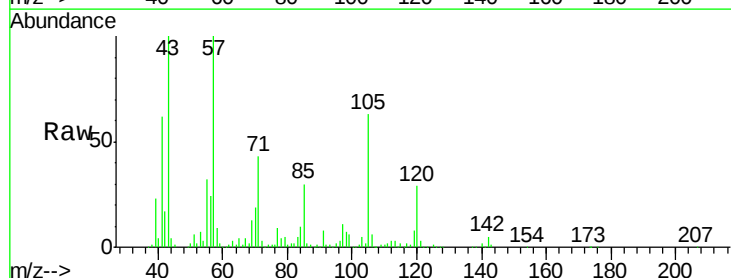
Acq: 28 Oct 2020 13:11

Tgt Ion: 105 Resp: 177645

Ion Ratio Lower Upper

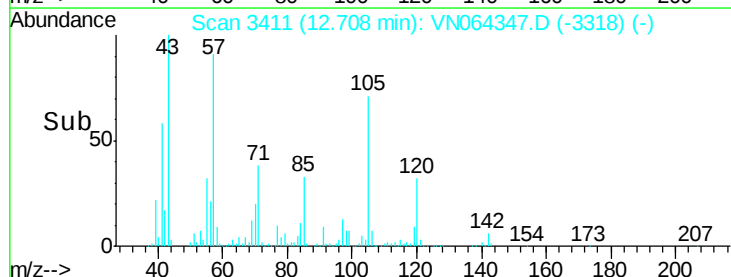
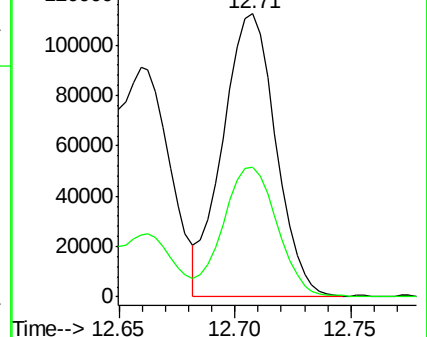
105 100

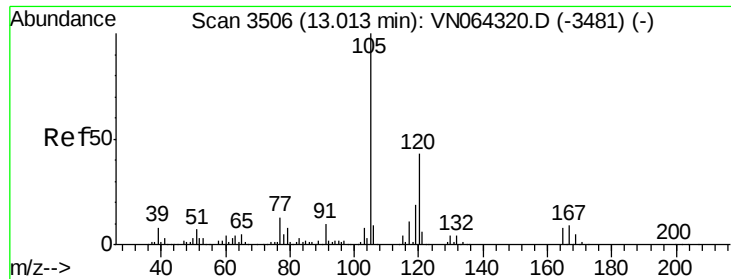
120 47.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064320.D (-3395) (-)

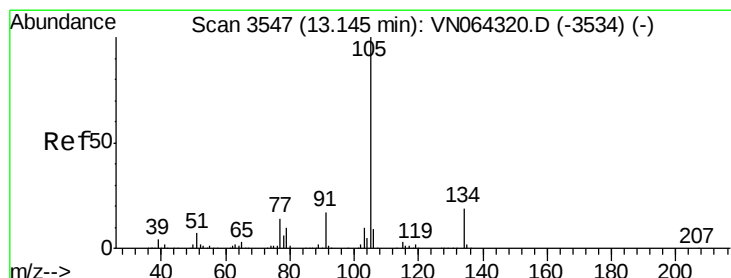
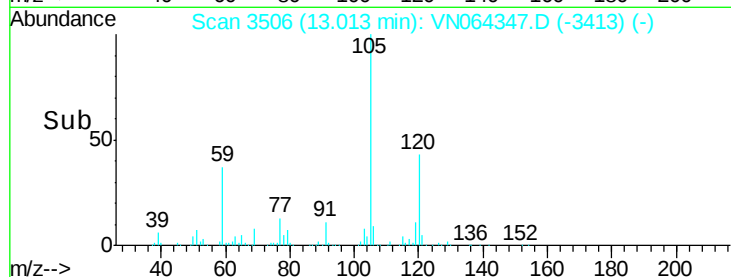
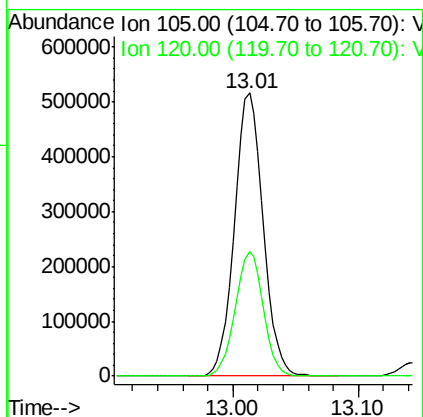
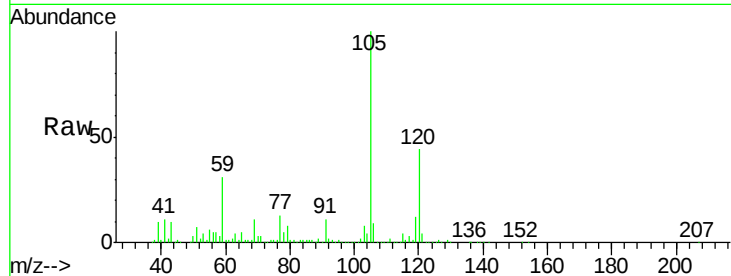




#84
 1,2,4-Trimethylbenzene
 Concen: 69.098 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

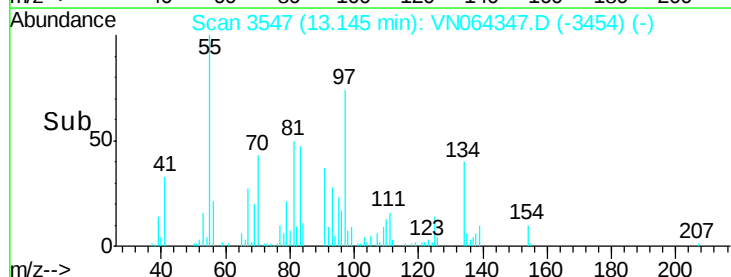
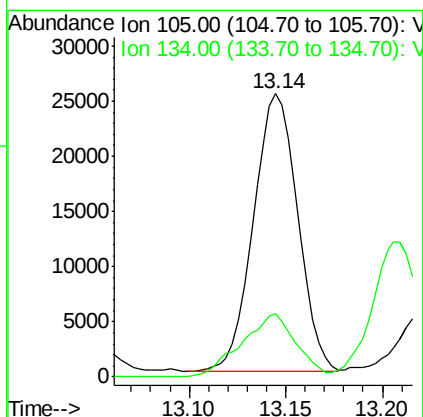
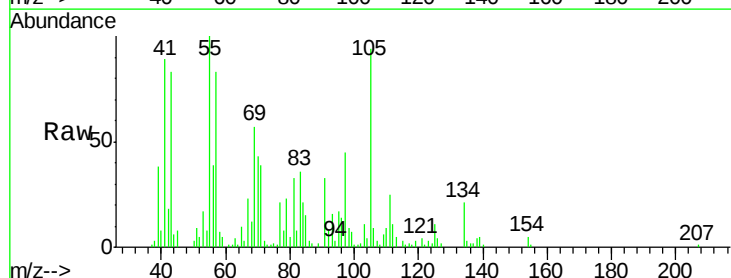
Instrument :
 MSVOA_N
 ClientSampleId :
 1814

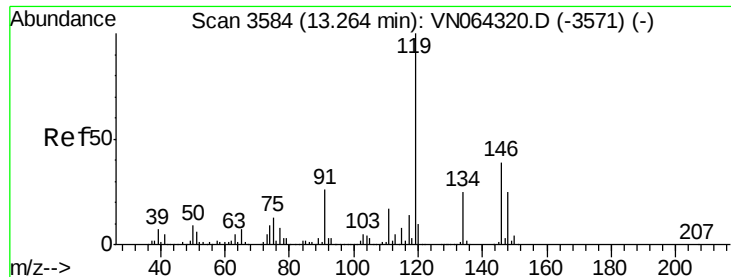
Tot Ion:105 Resp: 817206
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.3 64.0



#85
 sec-Butylbenzene
 Concen: 3.189 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

Tgt Ion:105 Resp: 40085
 Ion Ratio Lower Upper
 105 100
 134 28.1 9.6 28.8

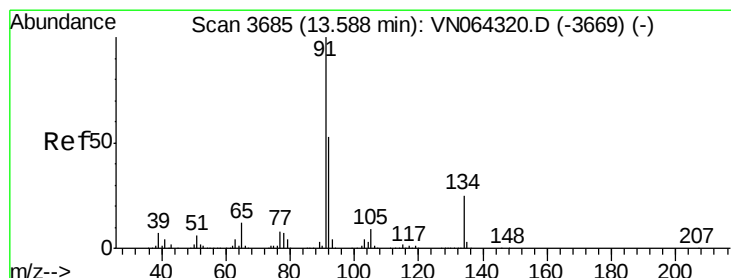
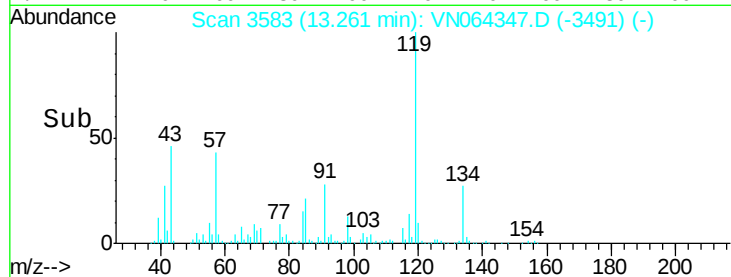
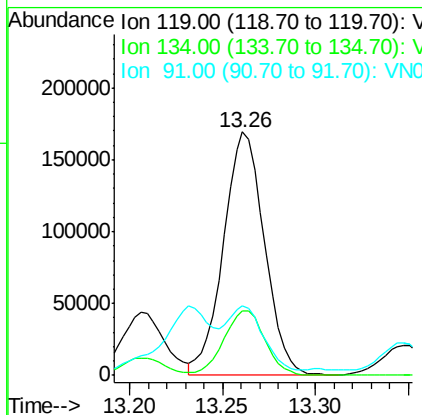
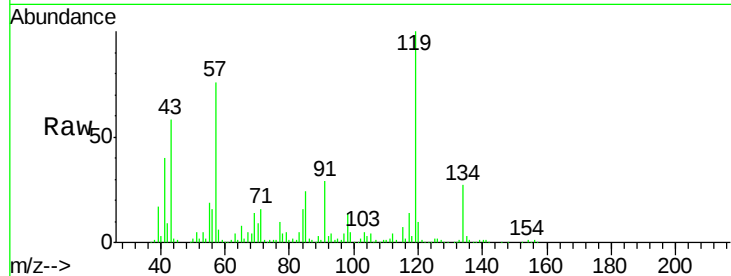




#86
 p-Isopropyltoluene
 Concen: 22.692 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

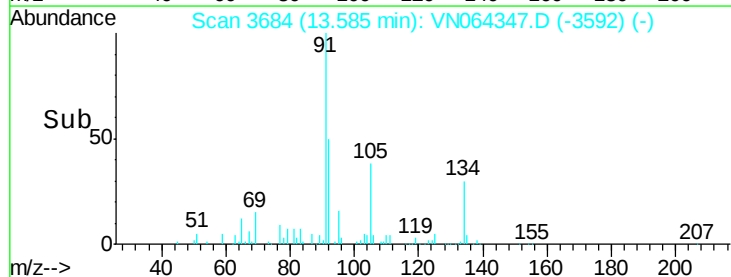
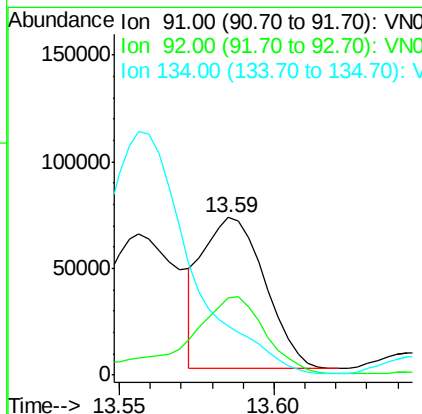
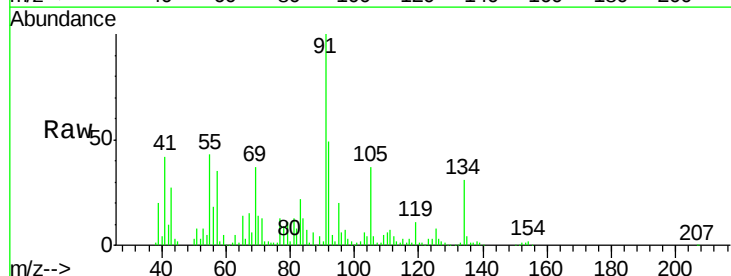
Instrument :
 MSVOA_N
 ClientSampled :
 1814

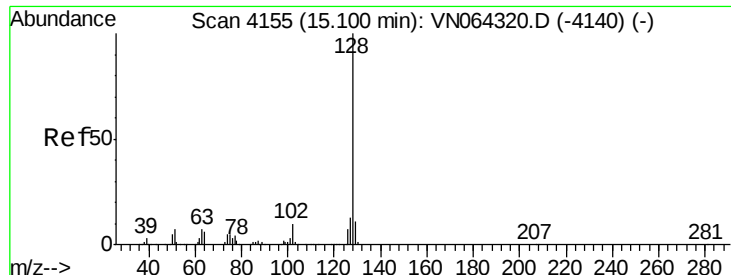
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.4
91	23.2	13.0	38.9



#89
 n-Butylbenzene
 Concen: 9.956 ug/l
 RT: 13.59 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN064347.D
 Acq: 28 Oct 2020 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.3	26.2	78.5
134	0.0	12.4	37.4





#95

Naphthalene

Concen: 102.652 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064347.D

Acq: 28 Oct 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

1814

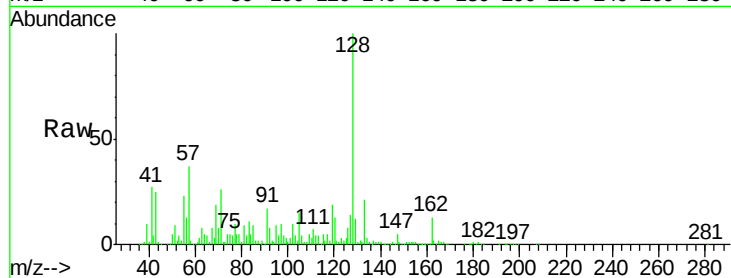
Tot Ion:128 Resp: 1111748

Ion Ratio Lower Upper

128 100

127 15.5 10.4 15.6

129 12.0 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

