

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064899.D
 Acq On : 3 Dec 2020 15:26
 Operator : JC/MD
 Sample : L4918-01 100X
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 04 02:59:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	171012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	311742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149424	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	103863	52.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.48%	
35) Dibromofluoromethane		7.55	113	93380	51.40	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.80%	
50) Toluene-d8		10.06	98	378351	50.97	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.94%	
62) 4-Bromofluorobenzene		12.37	95	151324	56.96	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.92%	

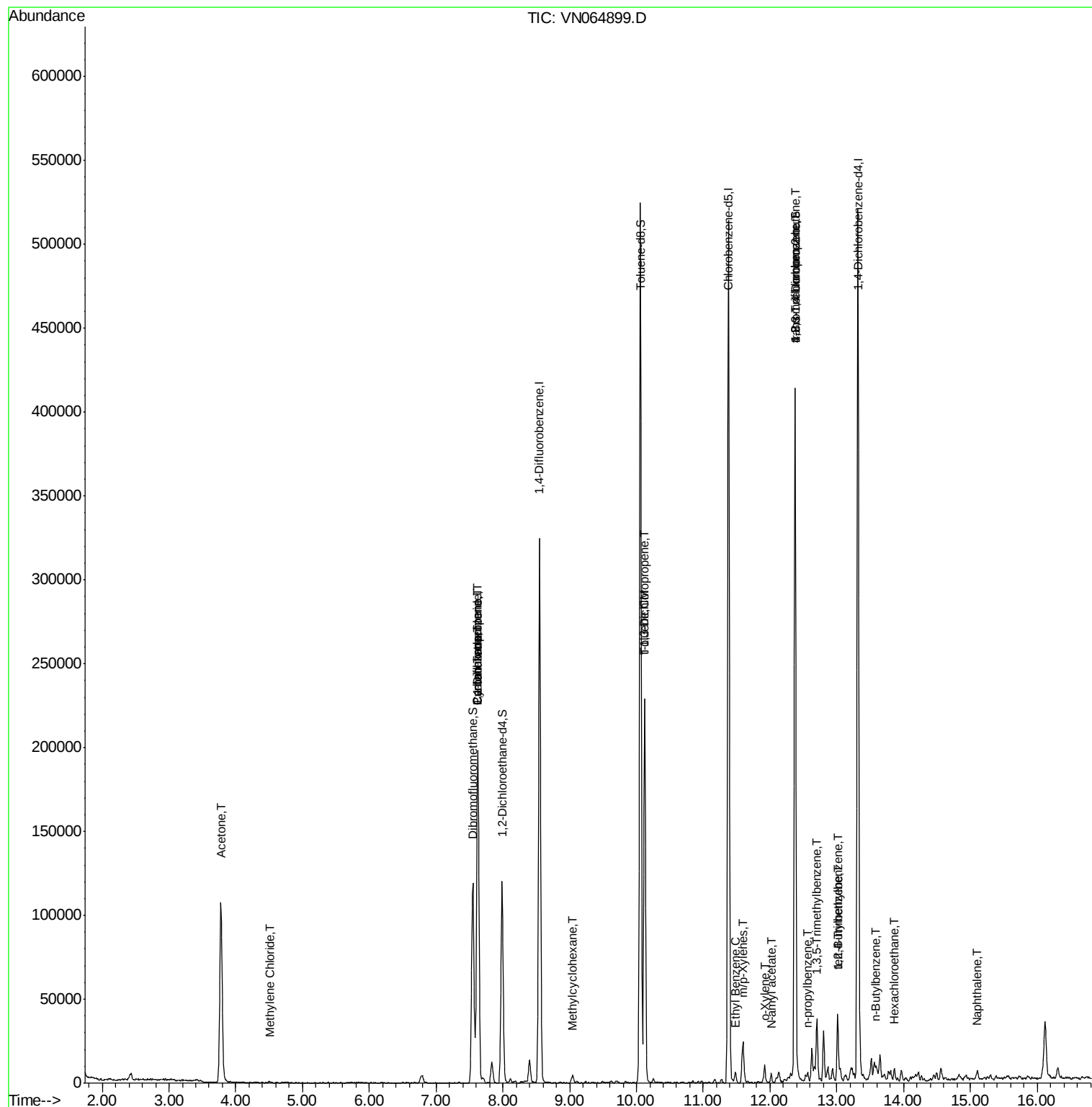
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	178428	273.012	ug/l	99
20) Methylene Chloride	4.51	84	560	0.273	ug/l #	75
31) Cyclohexane	7.62	56	3569	1.288	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	11545	4.102	ug/l #	47
38) Carbon Tetrachloride	7.62	117	16088	5.494	ug/l #	16
39) Methylcyclohexane	9.05	83	2177	0.719	ug/l #	90
52) Toluene	10.12	92	102504	19.301	ug/l	98
53) t-1,3-Dichloropropene	10.13	75	1021	0.305	ug/l #	1
67) Ethyl Benzene	11.49	91	4991	0.446	ug/l #	88
68) m/p-Xylenes	11.59	106	6370	1.504	ug/l	78
69) o-Xylene	11.92	106	2775	0.691	ug/l	92
74) N-amyl acetate	12.02	43	1461	0.357	ug/l #	66
76) 1,2,3-Trichloropropane	12.37	75	72252	22.453	ug/l #	100
78) n-propylbenzene	12.57	91	5702	0.482	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	5893	0.682	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	72252	61.537	ug/l #	15
83) tert-Butylbenzene	13.02	119	2940	0.406	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.01	105	23174	2.653	ug/l	100
89) n-Butylbenzene	13.59	91	3071	0.400	ug/l #	67
90) Hexachloroethane	13.86	117	657	0.432	ug/l #	9
95) Naphthalene	15.11	128	6140	0.678	ug/l #	94

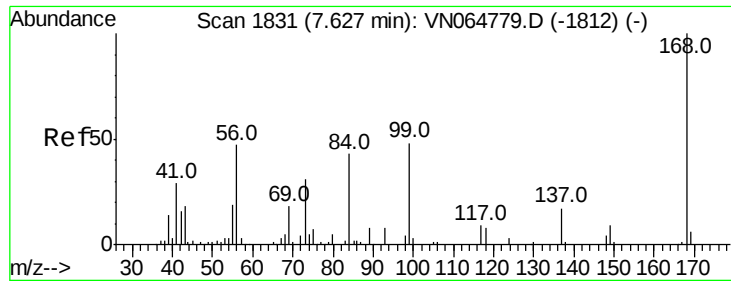
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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IBLK

Quant Time: Dec 04 02:59:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

MSVOA_N

ClientSampled :

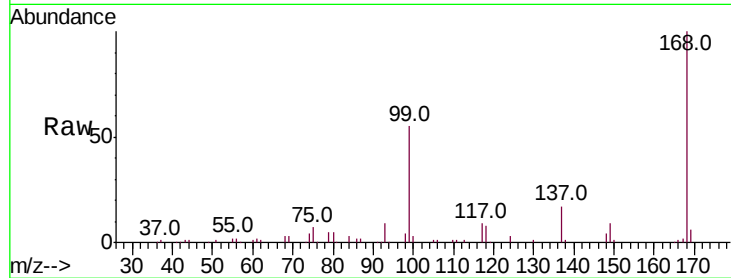
IBLK

Tot Ion:168 Resp: 171012

Ion Ratio Lower Upper

168 100

99 54.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

60000

40000

20000

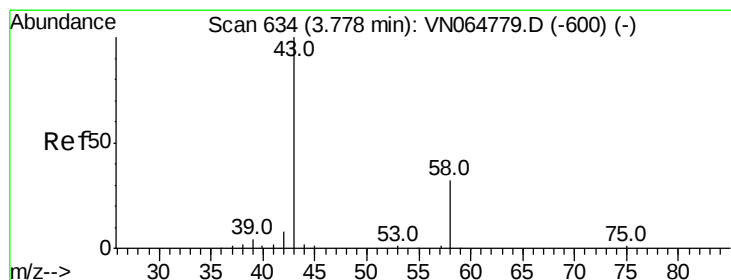
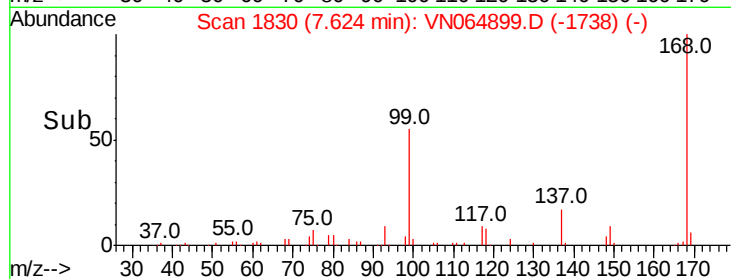
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Time-->

7.50

7.60

7.70



#16

Acetone

Concen: 273.012 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064899.D

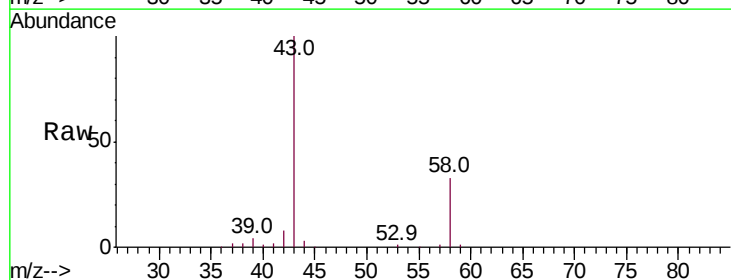
Acq: 3 Dec 2020 15:26

Tgt Ion: 43 Resp: 178428

Ion Ratio Lower Upper

43 100

58 32.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

80000

60000

40000

20000

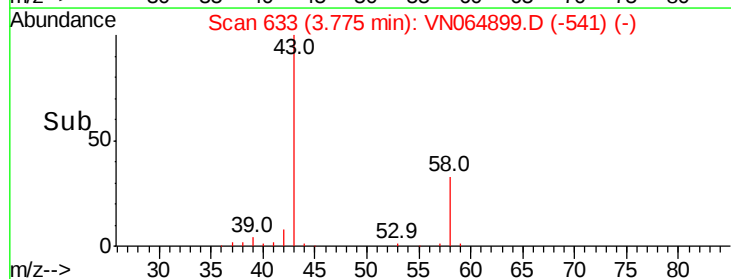
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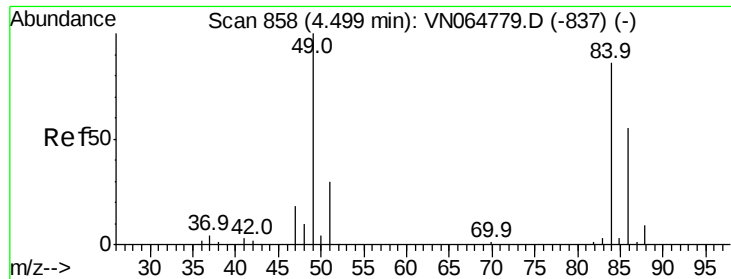
Time-->

3.70

3.80

3.90

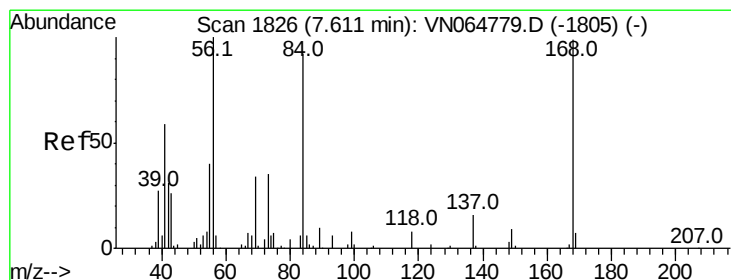
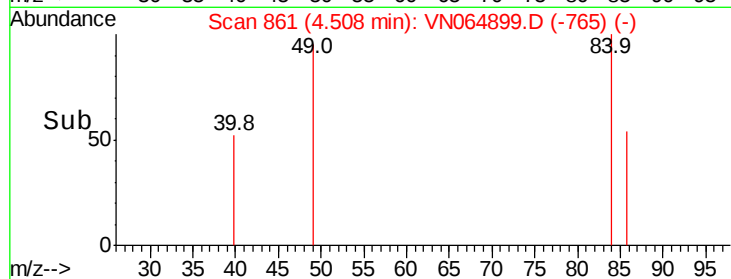
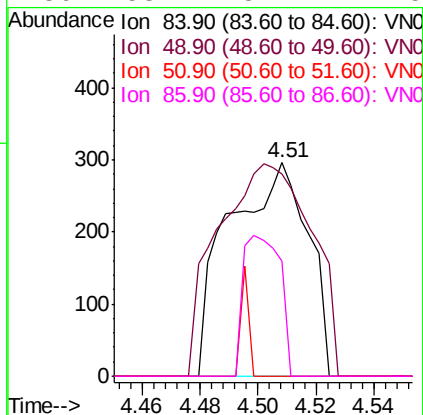
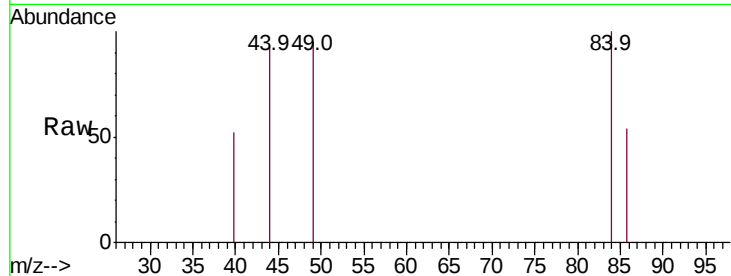




#20
Methvlene Chloride
Concen: 0.273 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

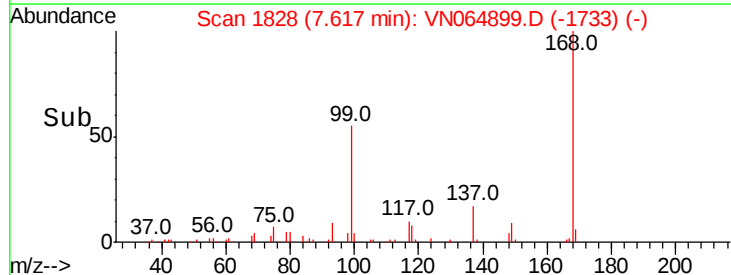
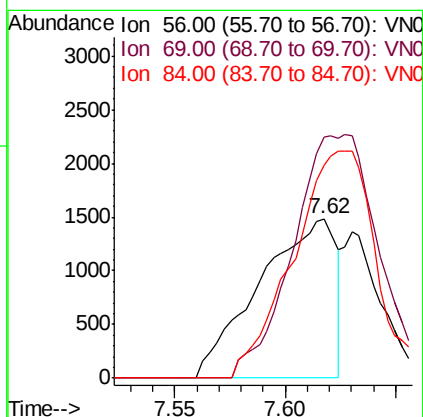
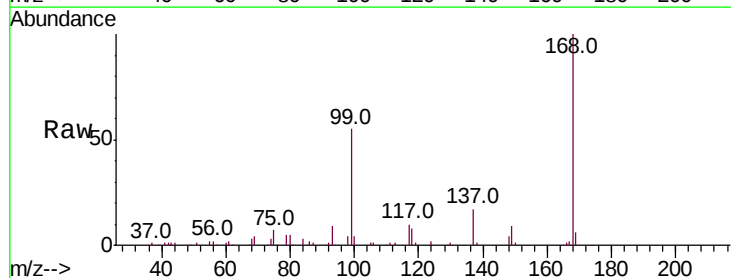
Instrument :
MSVOA_N
ClientSampleId :
IBLK

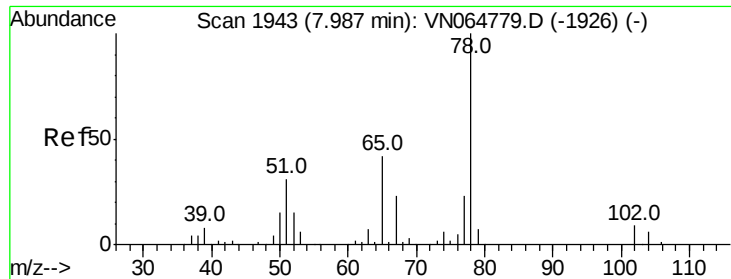
Tot Ion: 84 Resp: 560
Ion Ratio Lower Upper
84 100
49 94.9 93.4 140.0
51 0.0 28.2 42.4#
86 53.7 51.7 77.5



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

Tgt Ion: 56 Resp: 3569
Ion Ratio Lower Upper
56 100
69 150.7 27.5 41.3#
84 133.6 73.9 110.9#

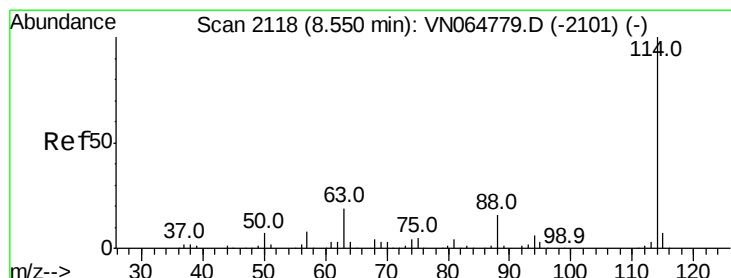
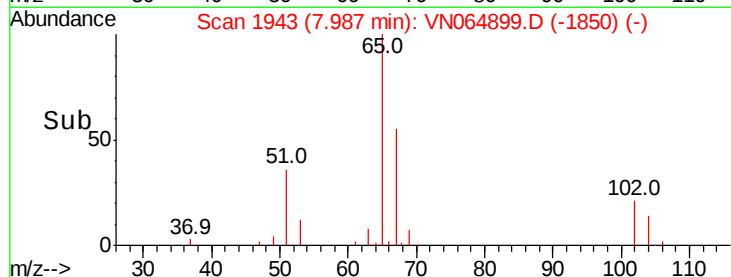
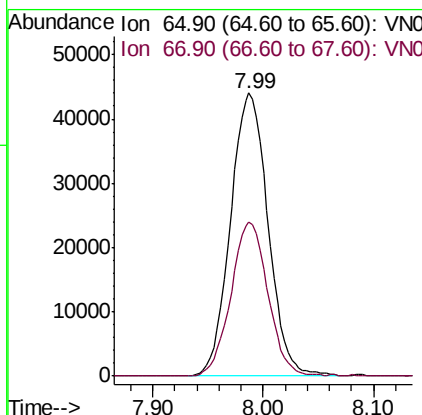
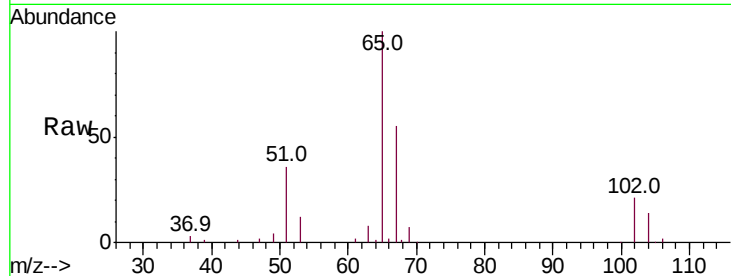




#33
 1,2-Dichloroethane-d4
 Concen: 52.242 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

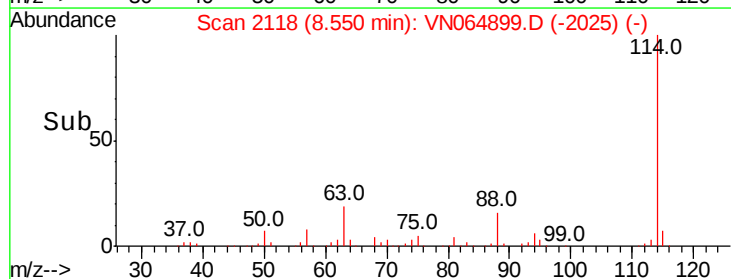
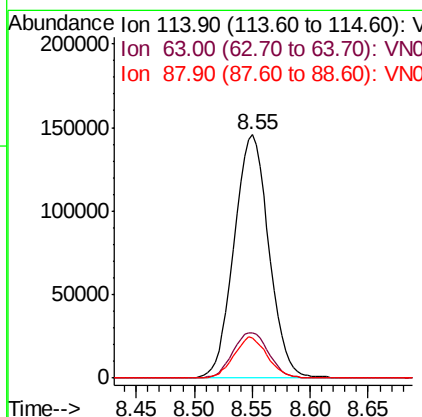
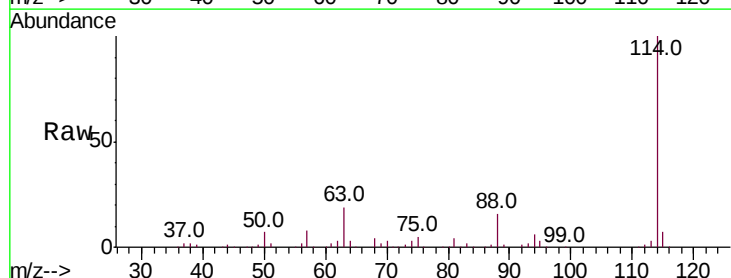
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 ClientSampleId :
 IBLK

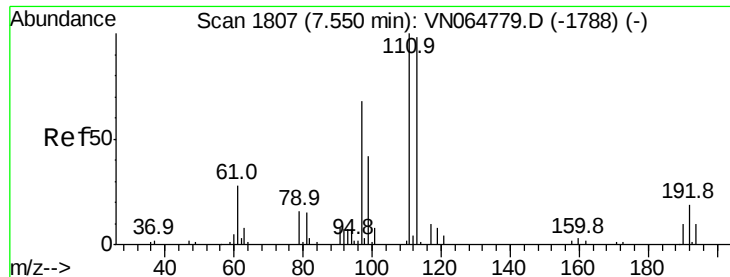
Tot Ion: 65 Resp: 103863
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

Tgt Ion: 114 Resp: 303619
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 16.4 0.0 32.6

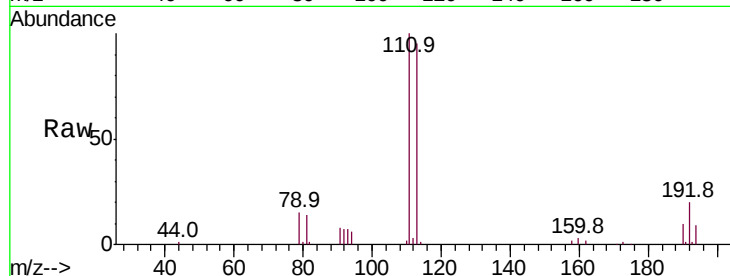




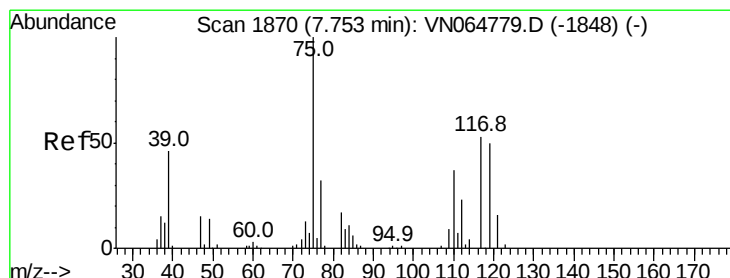
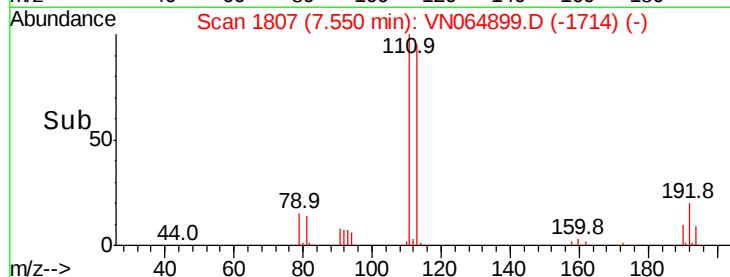
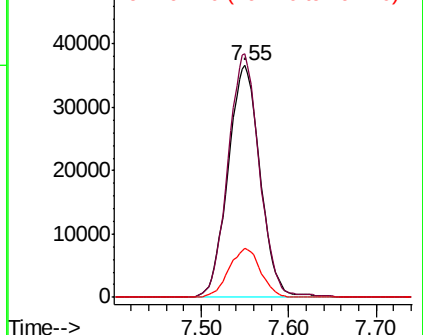
#35
 Dibromofluoromethane
 Concen: 51.399 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

Tot Ion:113 Resp: 93380
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 20.8 16.2 24.2

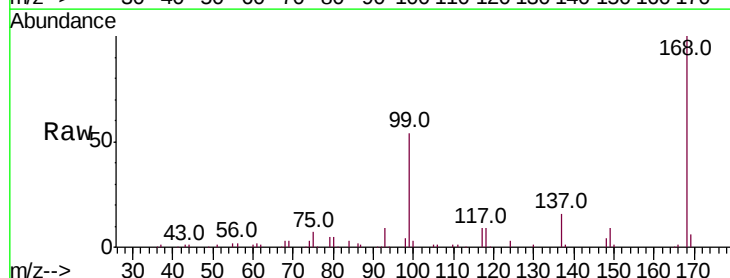


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

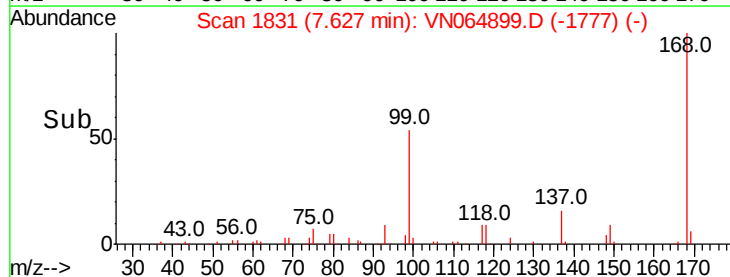
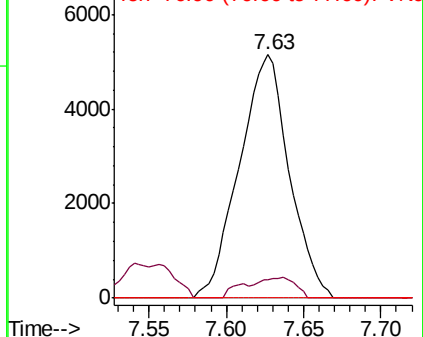


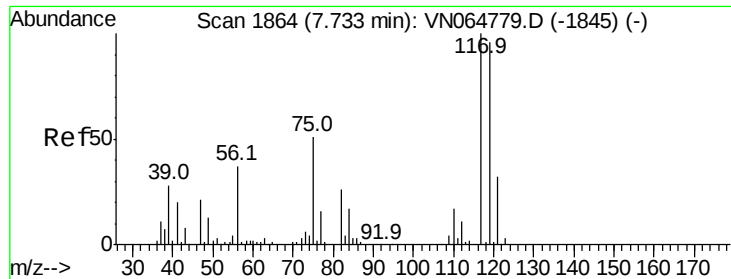
#36
 1,1-Dichloropropene
 Concen: 4.102 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

Tgt Ion: 75 Resp: 11545
 Ion Ratio Lower Upper
 75 100
 110 6.2 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

IBLK

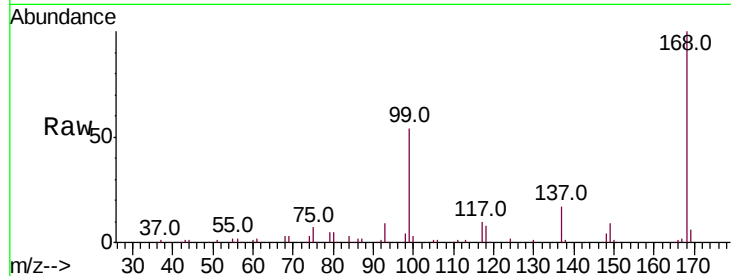
Tot Ion:117 Resp: 16088

Ion Ratio Lower Upper

117 100

119 5.1 76.7 115.1#

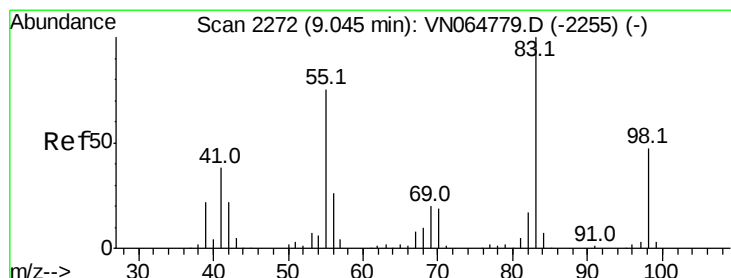
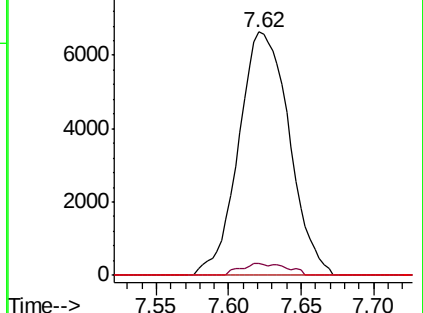
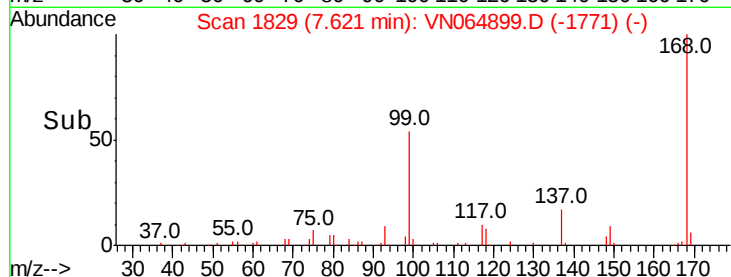
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.719 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

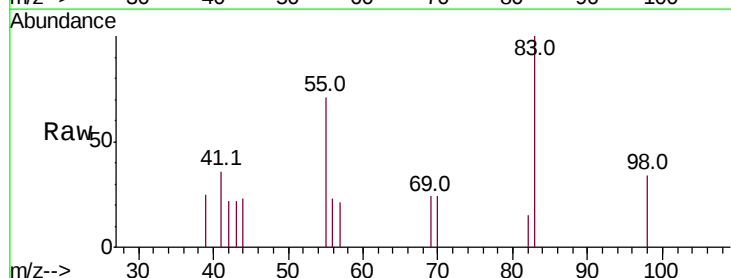
Tgt Ion: 83 Resp: 2177

Ion Ratio Lower Upper

83 100

55 70.7 60.2 90.2

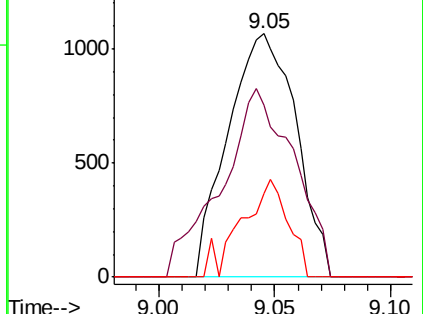
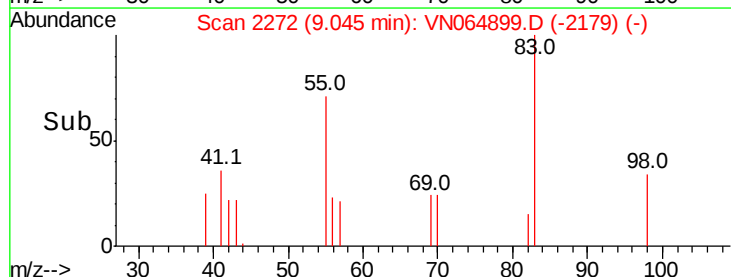
98 34.5 37.4 56.2#

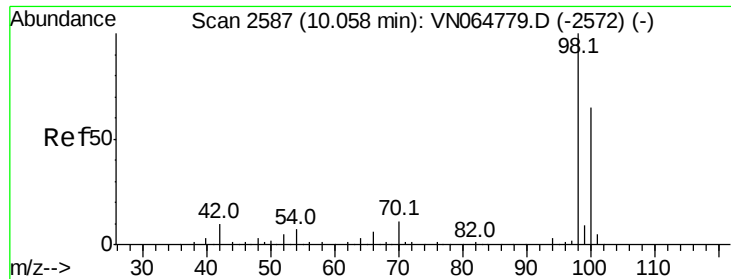


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#50

Toluene-d8

Concen: 50.969 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

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ClientSampleId :

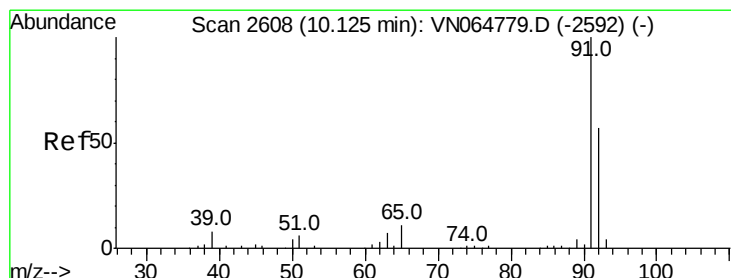
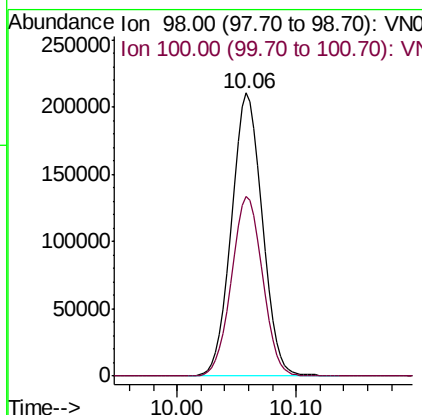
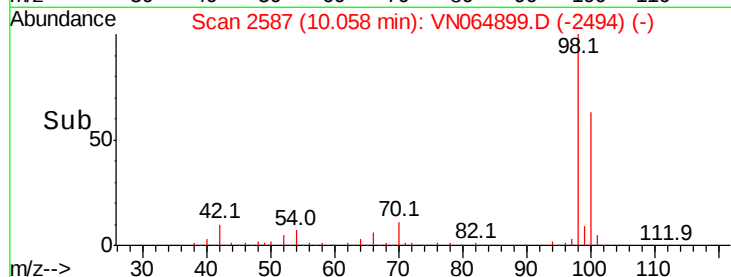
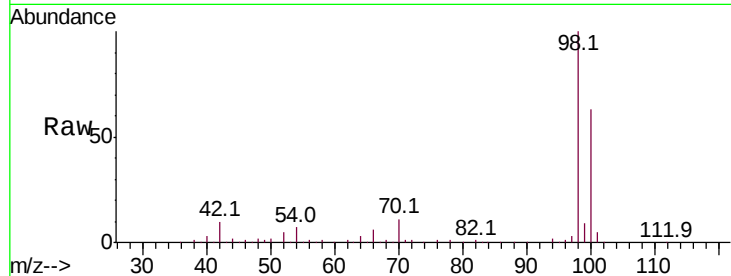
IBLK

Tot Ion: 98 Resp: 378351

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



#52

Toluene

Concen: 19.301 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064899.D

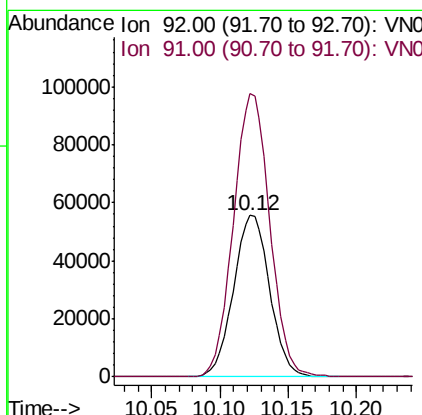
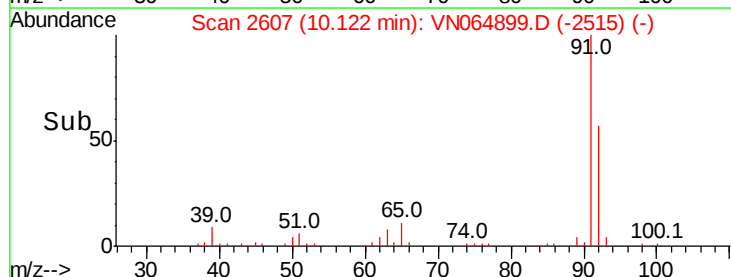
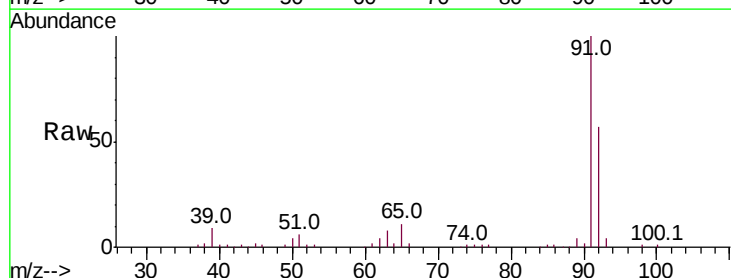
Acq: 3 Dec 2020 15:26

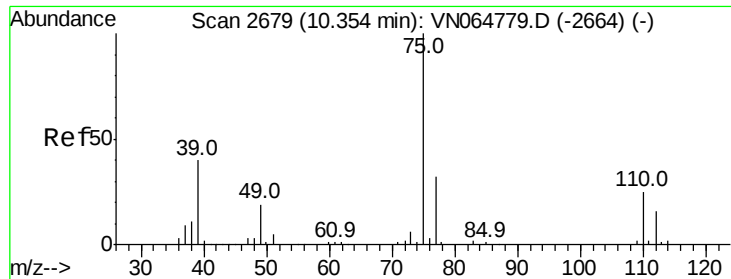
Tgt Ion: 92 Resp: 102504

Ion Ratio Lower Upper

92 100

91 176.1 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 0.305 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.23 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

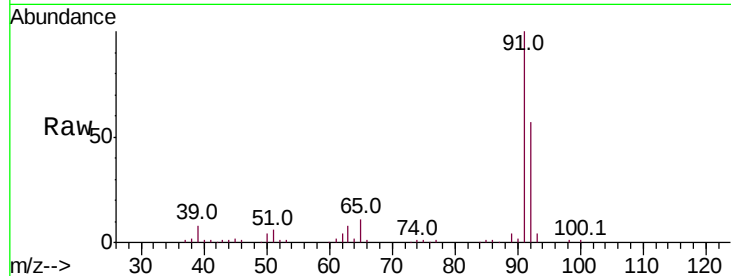
IBLK

Tot Ion: 75 Resp: 1021

Ion Ratio Lower Upper

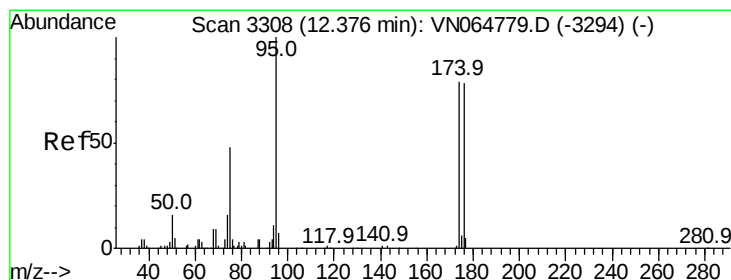
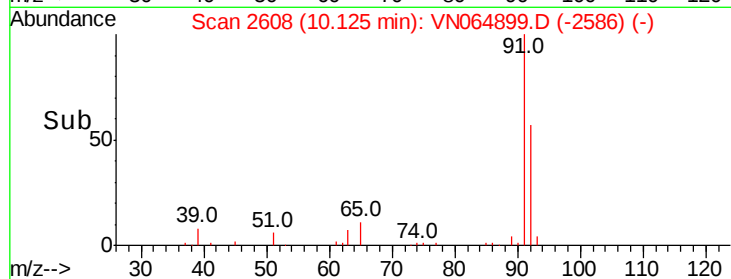
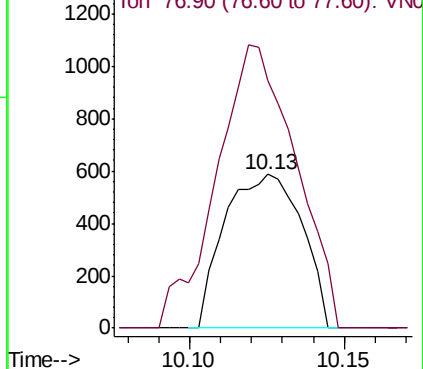
75 100

77 160.7 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 56.962 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

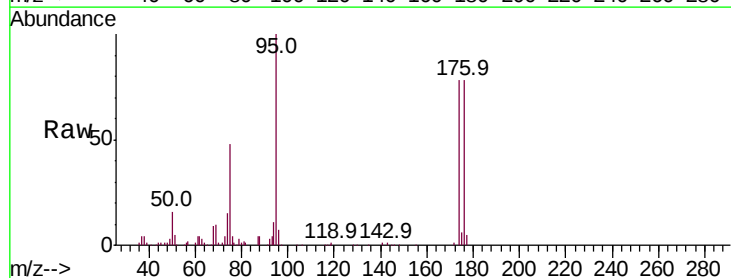
Tgt Ion: 95 Resp: 151324

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.4

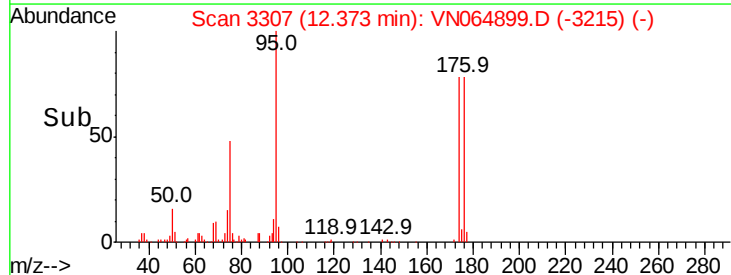
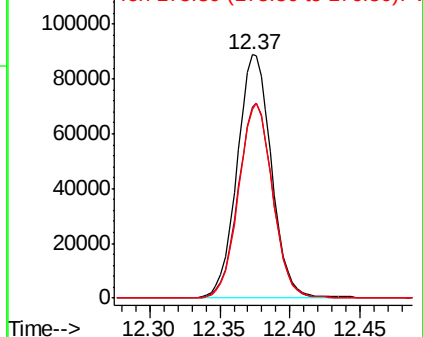
176 79.4 0.0 158.4

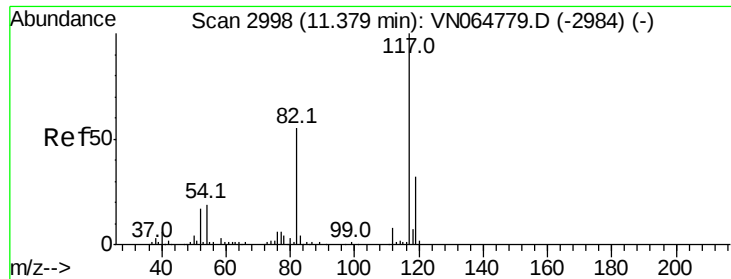


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

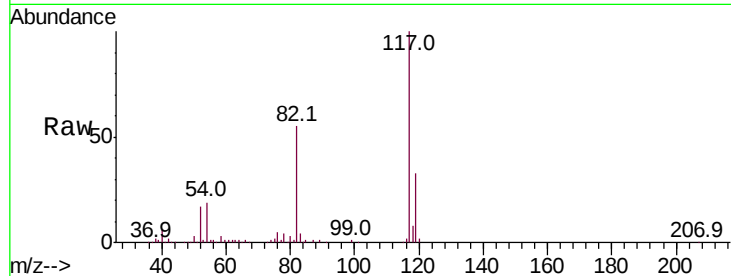




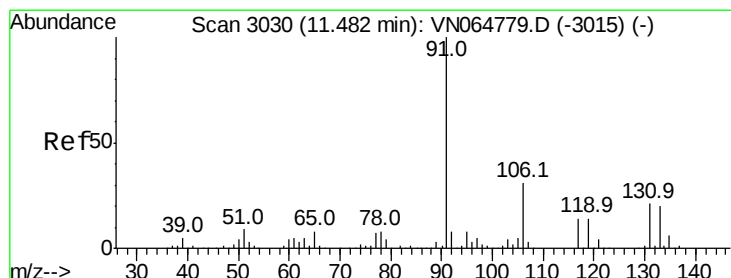
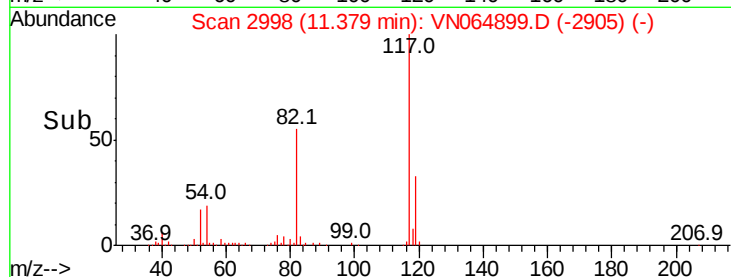
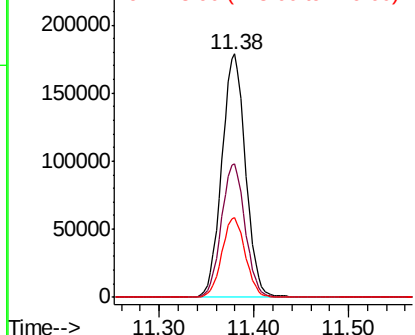
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:117 Resp: 311742
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.6 25.8 38.6

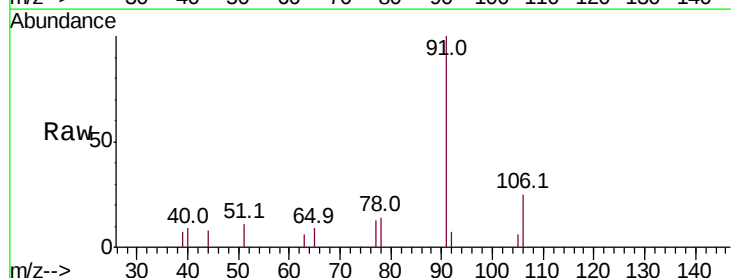


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

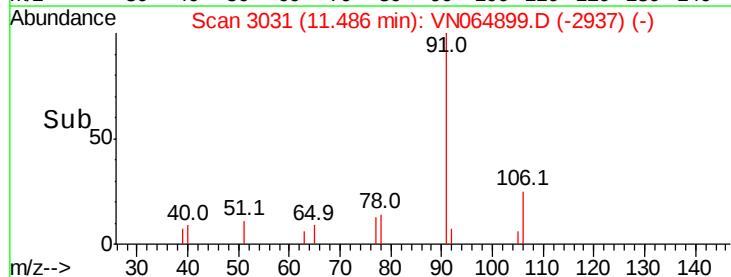
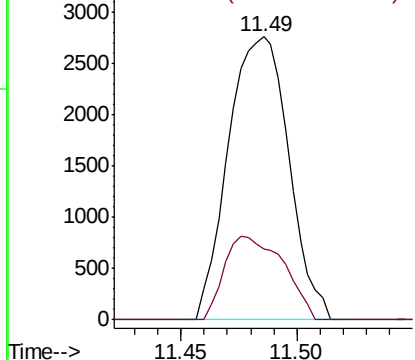


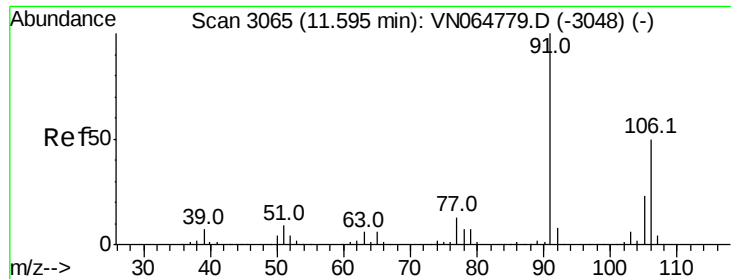
#67
Ethyl Benzene
Concen: 0.446 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

Tgt Ion: 91 Resp: 4991
Ion Ratio Lower Upper
91 100
106 25.0 25.2 37.8#



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

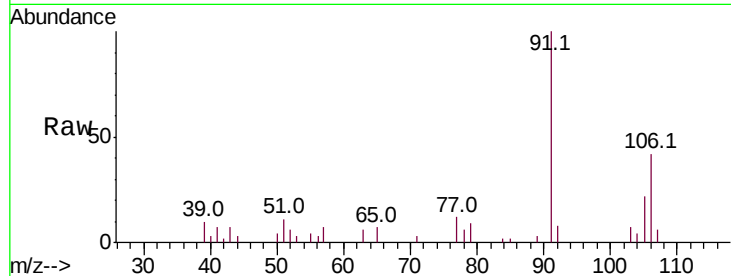




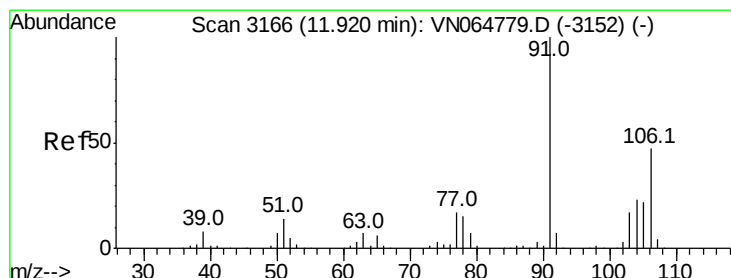
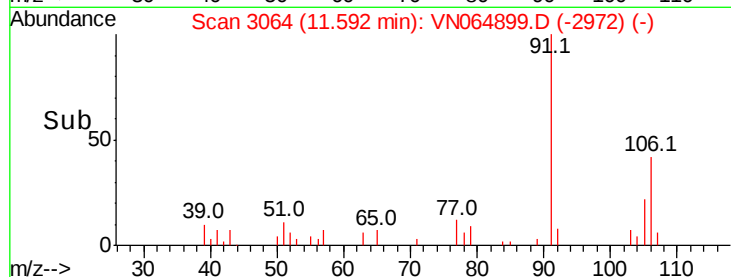
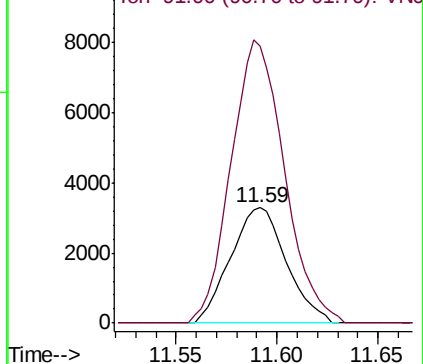
#68
m/p-Xylenes
Concen: 1.504 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:106 Resp: 6370
Ion Ratio Lower Upper
106 100
91 234.3 161.0 241.4

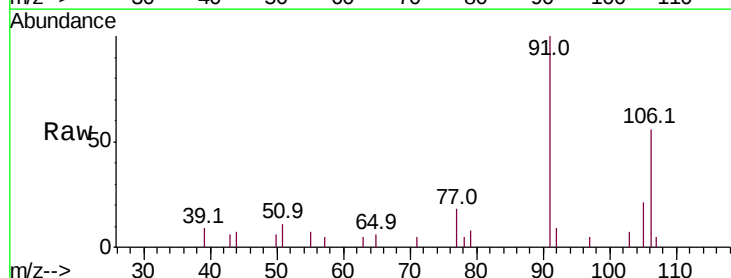


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

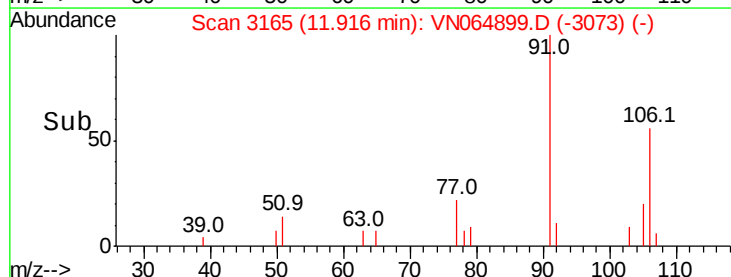
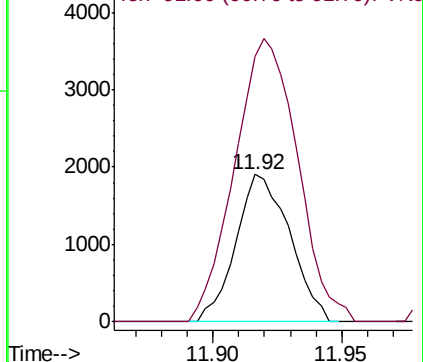


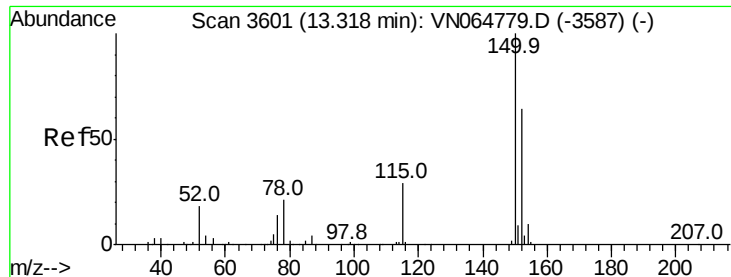
#69
o-Xylene
Concen: 0.691 ug/l
RT: 11.92 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

Tgt Ion:106 Resp: 2775
Ion Ratio Lower Upper
106 100
91 224.0 105.5 316.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

MSVOA_N

ClientSampled :

IBLK

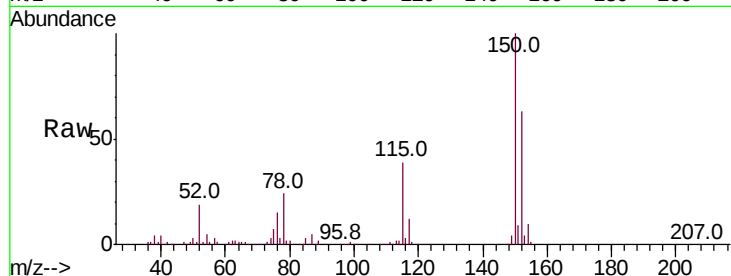
Tot Ion:152 Resp: 149424

Ion Ratio Lower Upper

152 100

115 59.2 29.7 89.1

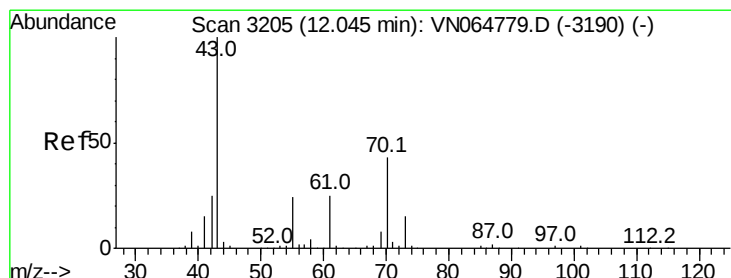
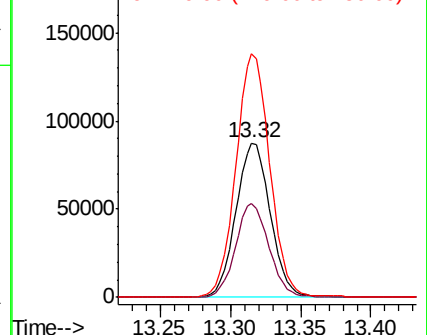
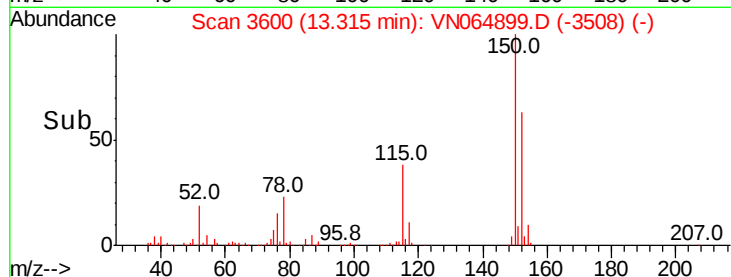
150 155.0 0.0 350.6



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: 0.357 ug/l

RT: 12.02 min Scan# 3198

Delta R.T. -0.02 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Tgt Ion: 43 Resp: 1461

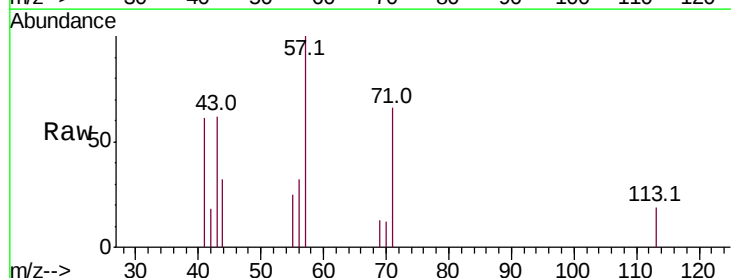
Ion Ratio Lower Upper

43 100

70 14.1 34.5 51.7#

55 24.9 20.4 30.6

61 0.0 20.0 30.0#

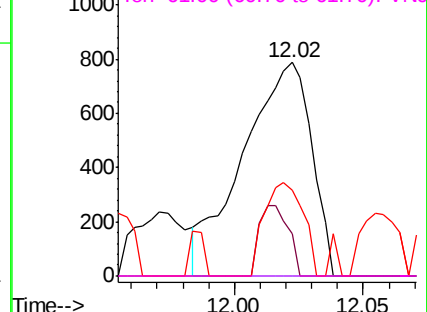
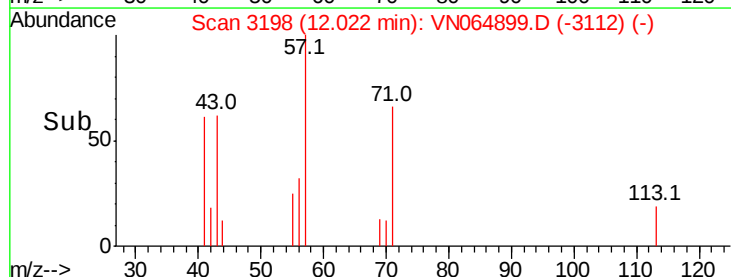


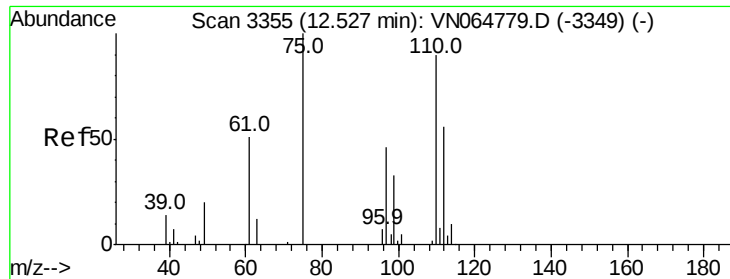
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

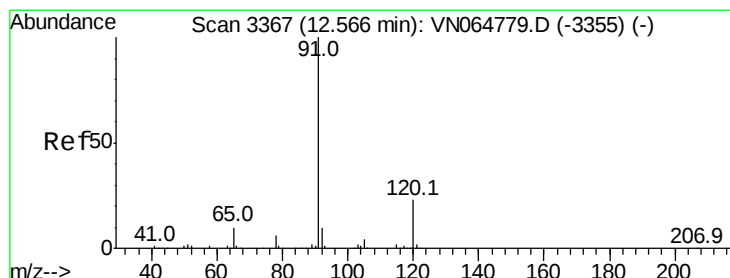
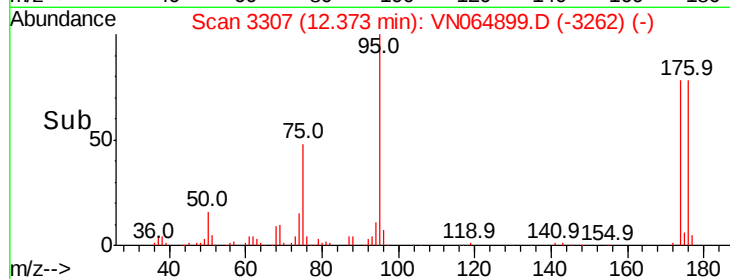
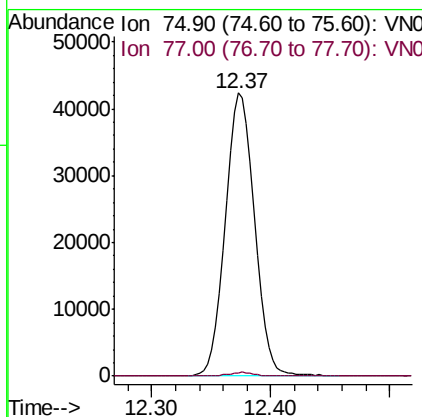
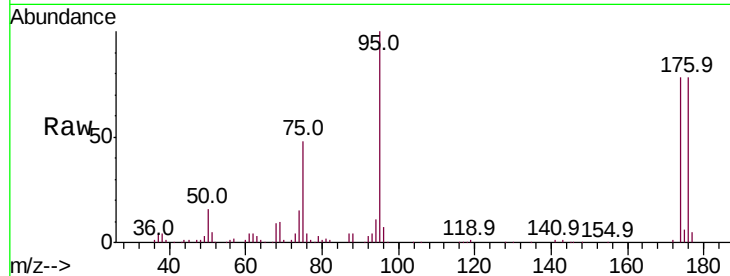




#76
 1,2,3-Trichloropropane
 Concen: 22.453 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

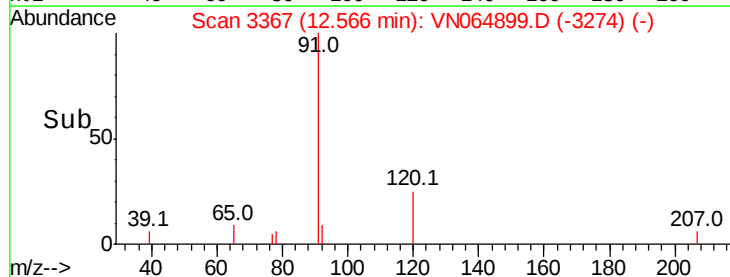
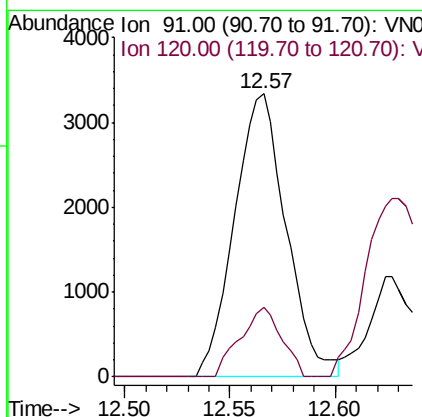
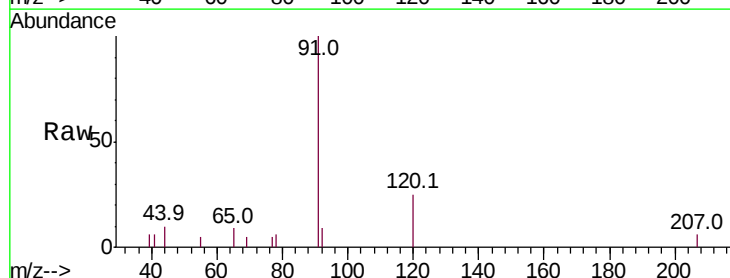
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

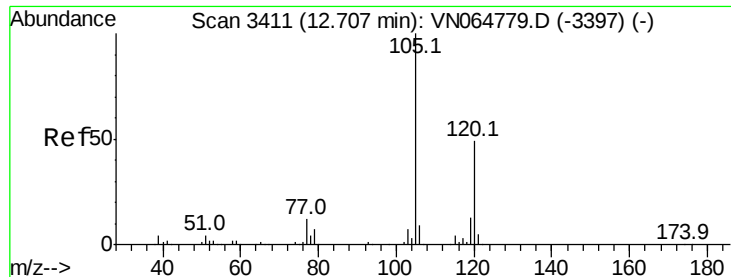
Tot Ion: 75 Resp: 72252
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.482 ug/l
 RT: 12.57 min Scan# 3367
 Delta R.T. -0.00 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

Tgt Ion: 91 Resp: 5702
 Ion Ratio Lower Upper
 91 100
 120 19.7 11.6 34.7





#80

1,3,5-Trimethylbenzene

Concen: 0.682 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

MSVOA_N

ClientSampled :

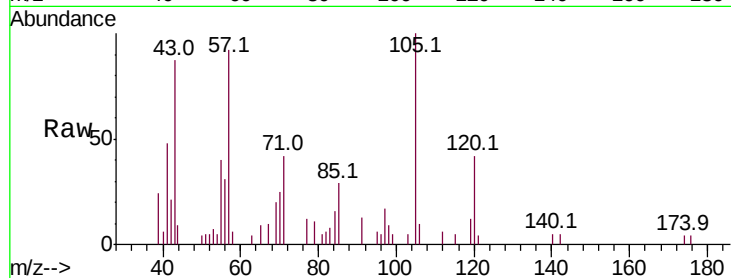
IBLK

Tot Ion:105 Resp: 5893

Ion Ratio Lower Upper

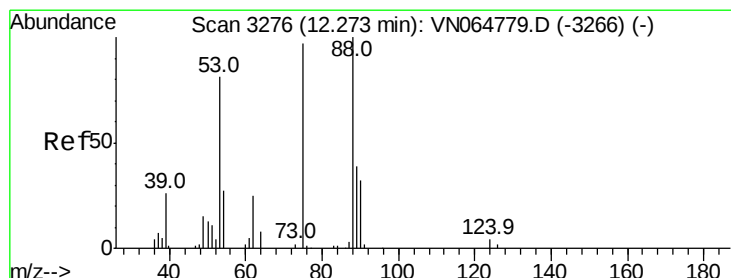
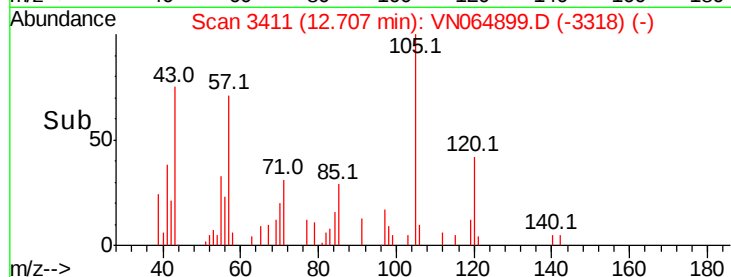
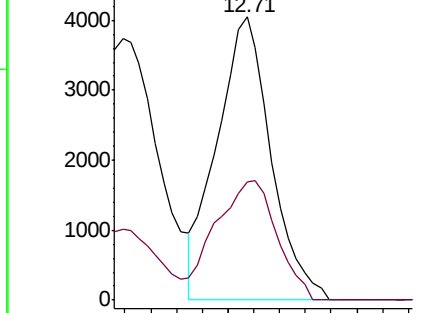
105 100

120 48.4 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.537 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

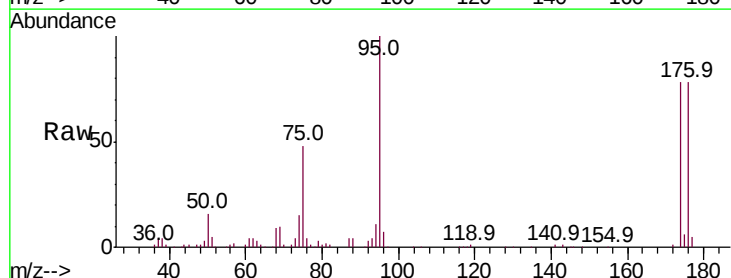
Tgt Ion: 75 Resp: 72252

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

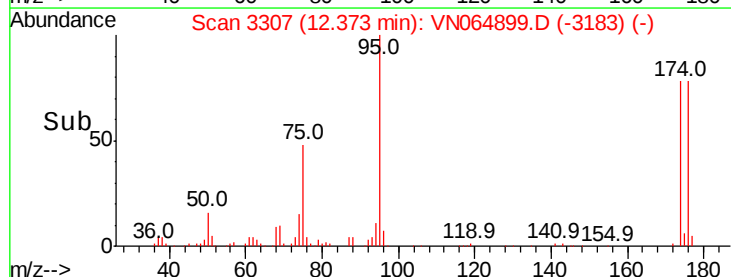
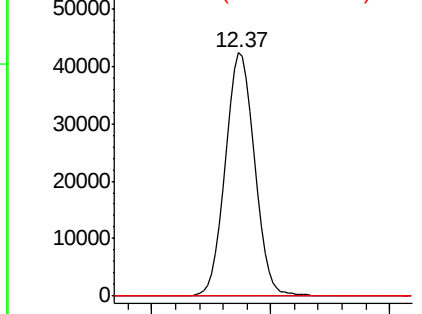
89 0.0 39.6 59.4#

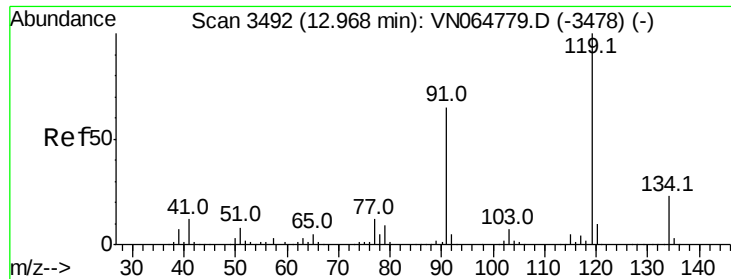


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

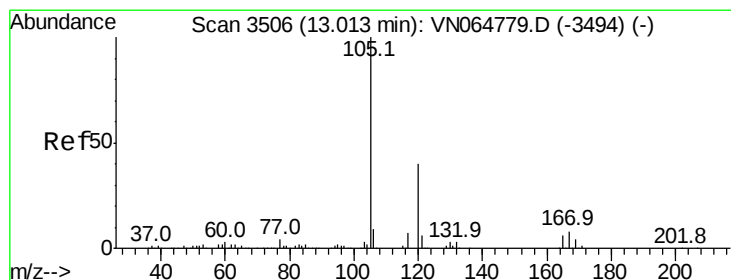
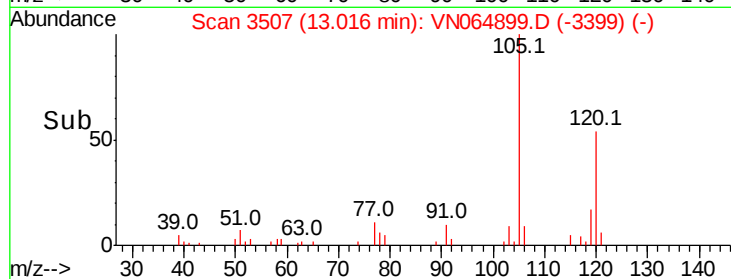
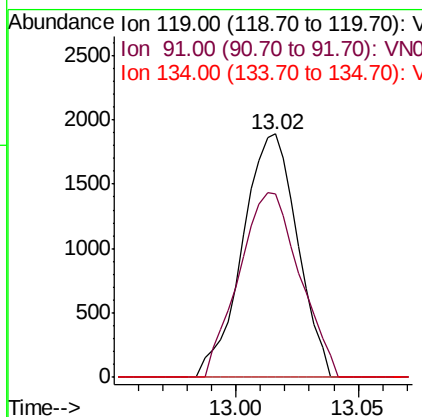
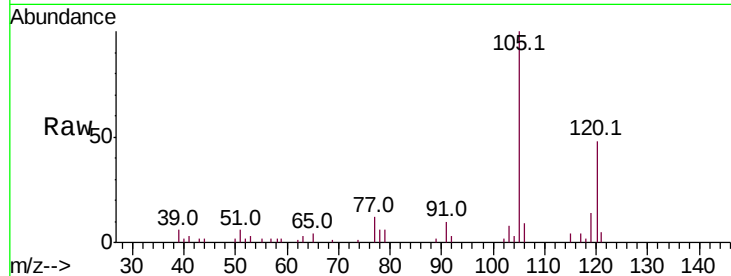




#83
 tert-Butylbenzene
 Concen: 0.406 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.05 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

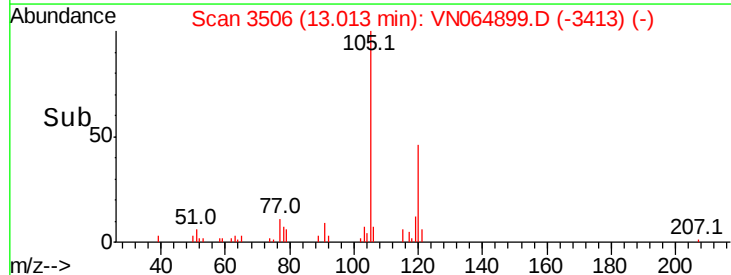
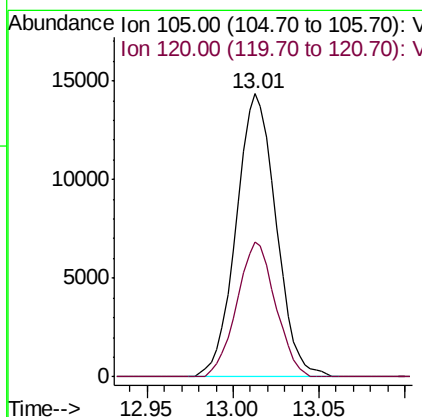
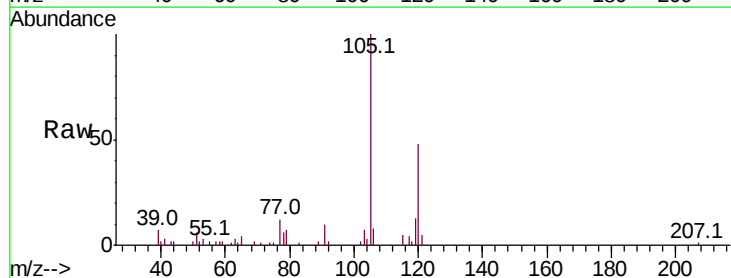
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

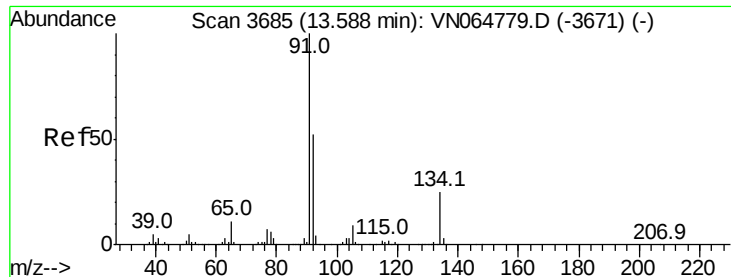
Tot Ion:119 Resp: 2940
 Ion Ratio Lower Upper
 119 100
 91 84.1 32.3 96.8
 134 0.0 12.6 37.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.653 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064899.D
 Acq: 3 Dec 2020 15:26

Tgt Ion:105 Resp: 23174
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.2

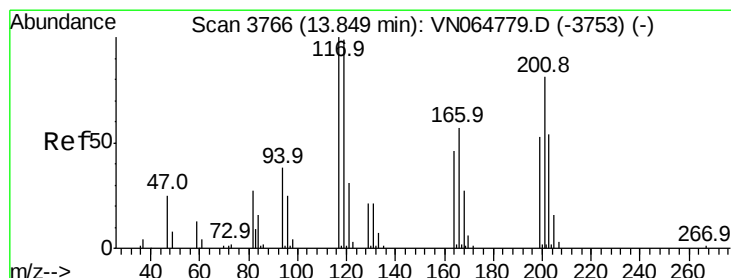
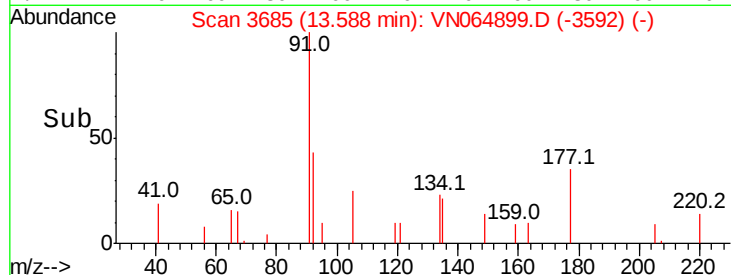
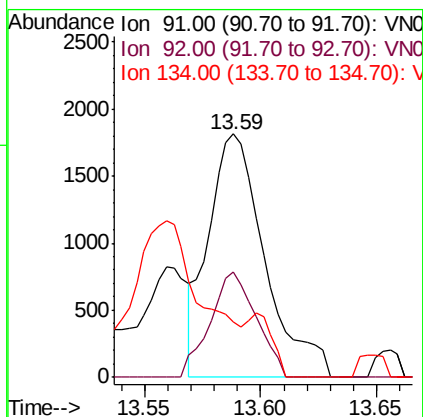
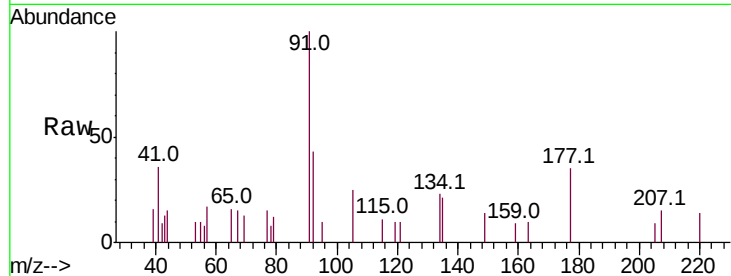




#89
n-Butylbenzene
Concen: 0.400 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

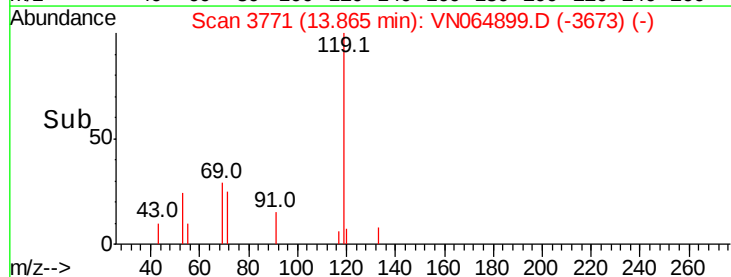
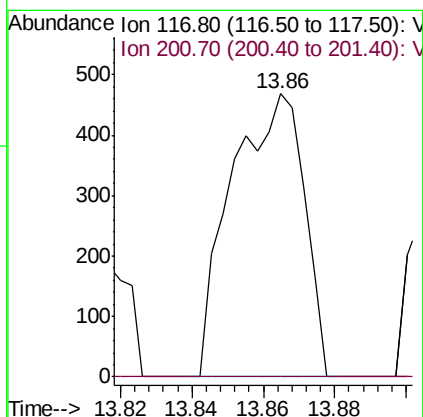
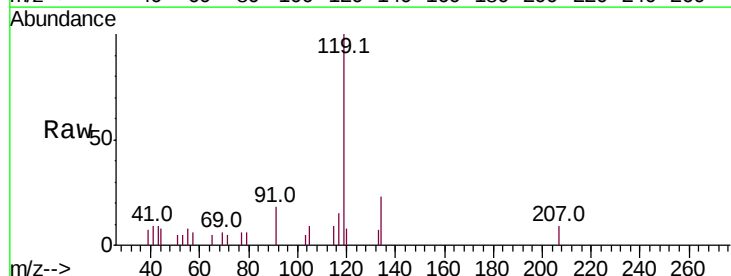
Instrument :
MSVOA_N
ClientSampleId :
IBLK

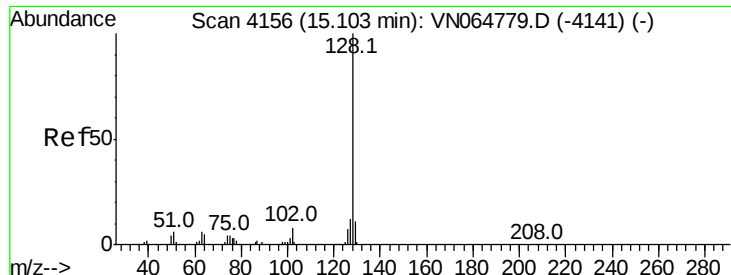
Tot Ion: 91 Resp: 3071
Ion Ratio Lower Upper
91 100
92 35.4 26.0 78.0
134 0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 0.432 ug/l
RT: 13.86 min Scan# 3771
Delta R.T. 0.02 min
Lab File: VN064899.D
Acq: 3 Dec 2020 15:26

Tgt Ion: 117 Resp: 657
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#95

Naphthalene

Concen: 0.678 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064899.D

Acq: 3 Dec 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

IBLK

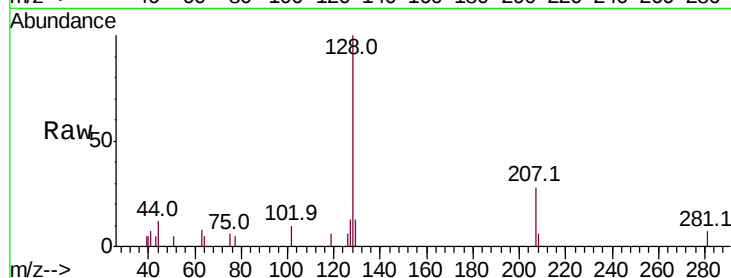
Tot Ion:128 Resp: 6140

Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

129 7.7 8.7 13.1#



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

