

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092420\
 Data File : VN063634.D
 Acq On : 24 Sep 2020 17:28
 Operator : JC/MD
 Sample : L4056-01 500X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 24 17:51:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	202559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	373742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	384370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166907	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	175664	50.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.90%	
35) Dibromofluoromethane	7.55	113	126444	48.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.74%	
50) Toluene-d8	10.06	98	481926	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.38	95	191487	53.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.38%	

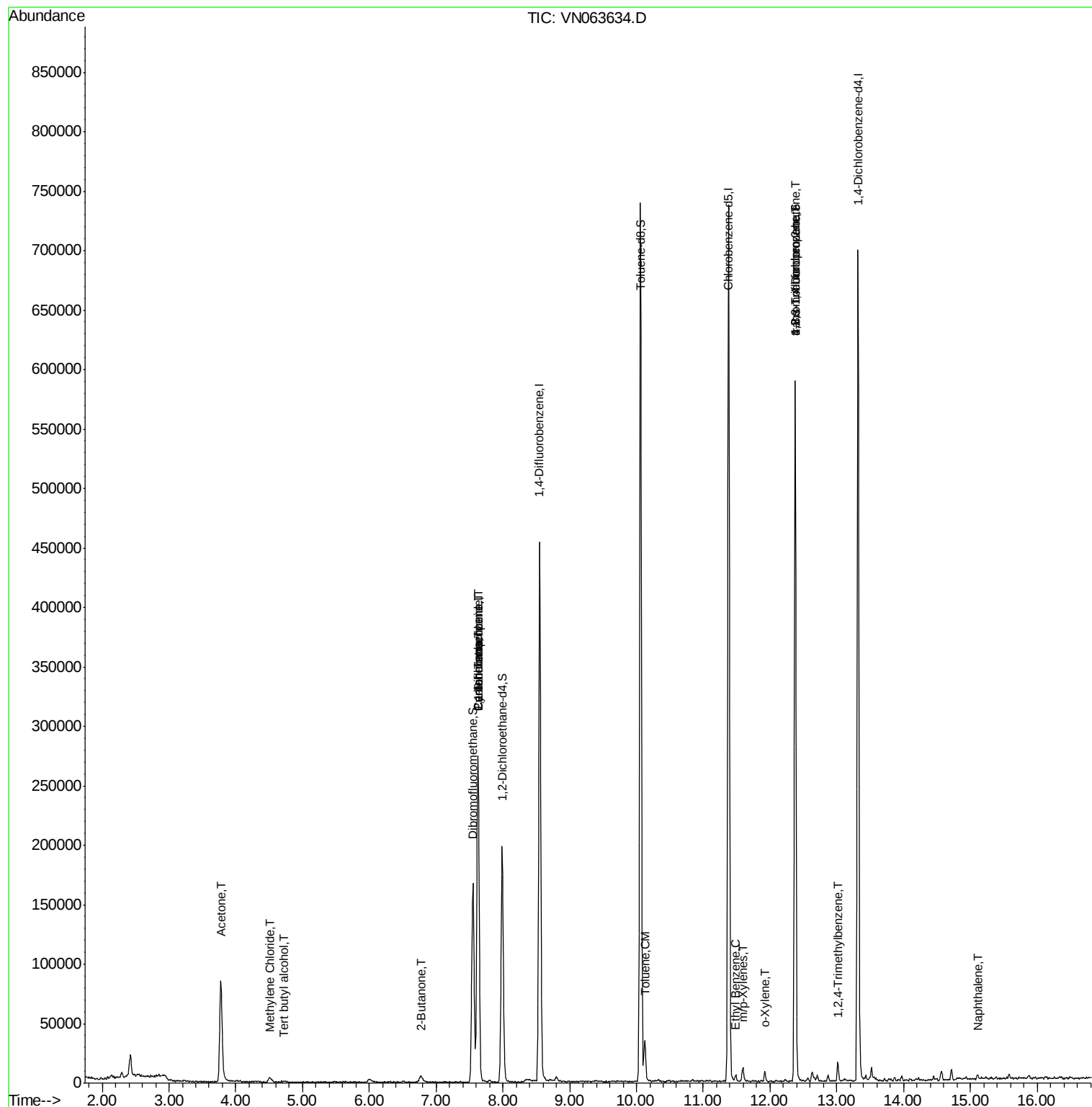
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	899	1.882	ug/l #	72
16) Acetone	3.78	43	148355	133.875	ug/l	98
20) Methylene Chloride	4.50	84	2572	0.916	ug/l #	89
25) 2-Butanone	6.78	43	484	0.284	ug/l #	51
31) Cyclohexane	7.62	56	6286	1.320	ug/l #	44
36) 1,1-Dichloropropene	7.63	75	18332	4.604	ug/l #	49
38) Carbon Tetrachloride	7.63	117	22810	5.612	ug/l #	18
52) Toluene	10.13	92	12977	1.899	ug/l	88
67) Ethyl Benzene	11.49	91	3550	0.231	ug/l	95
68) m/p-Xylenes	11.60	106	3489	0.630	ug/l	96
69) o-Xylene	11.92	106	2101	0.398	ug/l	87
76) 1,2,3-Trichloropropane	12.38	75	110982	26.864	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	110982	73.652	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.01	105	8467	0.752	ug/l	100
95) Naphthalene	15.12	128	3675	0.345	ug/l #	94

(#) = 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: VN063634.D

Acq: 24 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

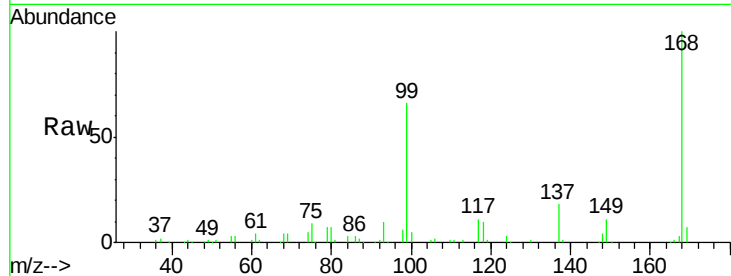
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Tgt Ion:168 Resp: 202559

Ion Ratio Lower Upper

168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

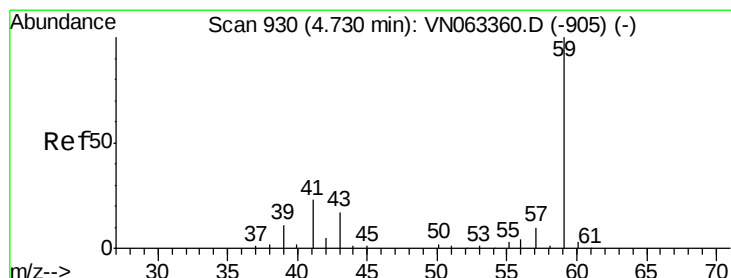
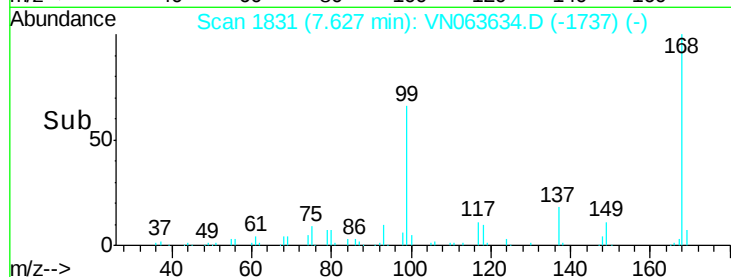
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.882 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN063634.D

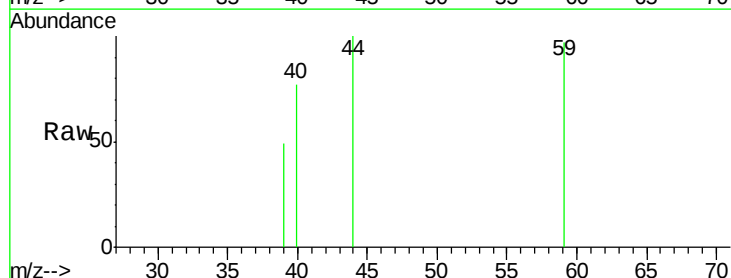
Acq: 24 Sep 2020 17:28

Tgt Ion: 59 Resp: 899

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

400

300

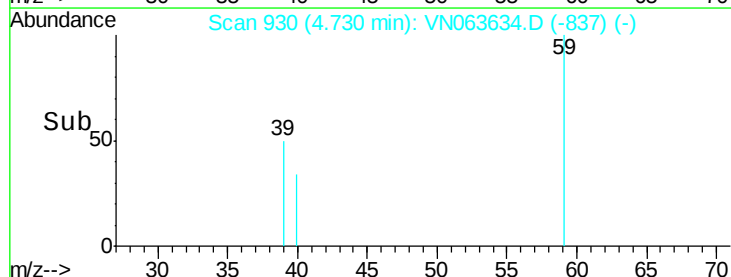
200

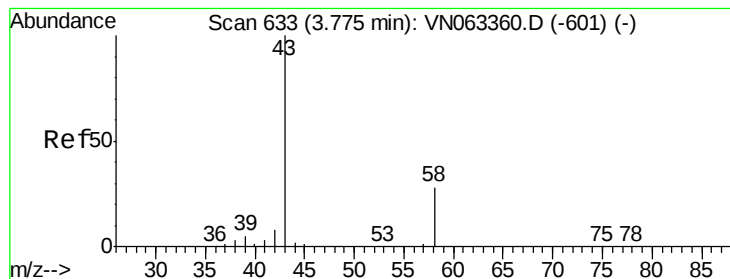
100

0

4.70 4.75

Time-->





#16

Acetone

Concen: 133.875 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063634.D

Acq: 24 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

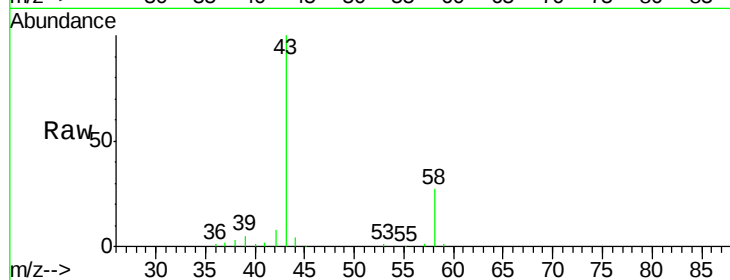
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Tgt Ion: 43 Resp: 148355

Ion Ratio Lower Upper

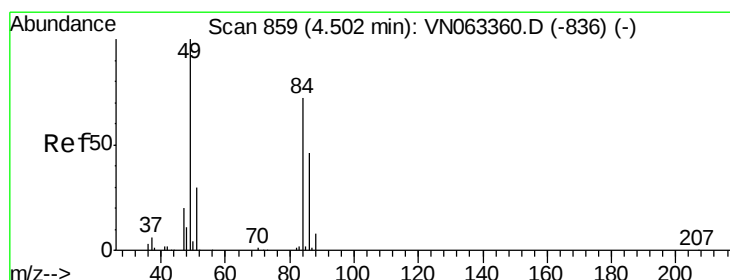
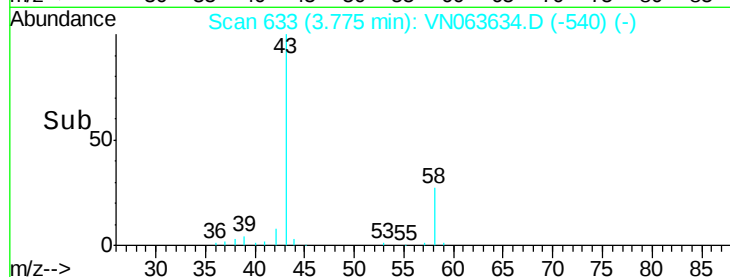
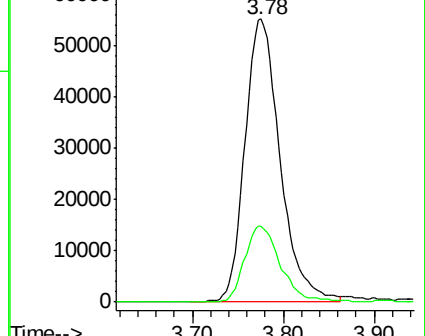
43 100

58 26.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.916 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN063634.D

Acq: 24 Sep 2020 17:28

Tgt Ion: 84 Resp: 2572

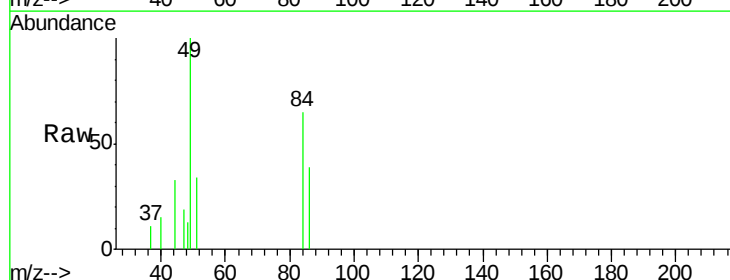
Ion Ratio Lower Upper

84 100

49 152.9 110.7 166.1

51 51.9 32.9 49.3#

86 59.3 51.1 76.7

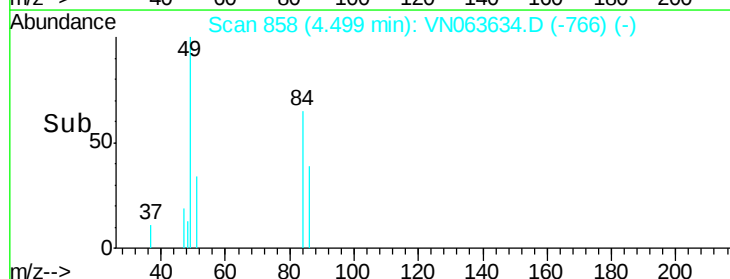
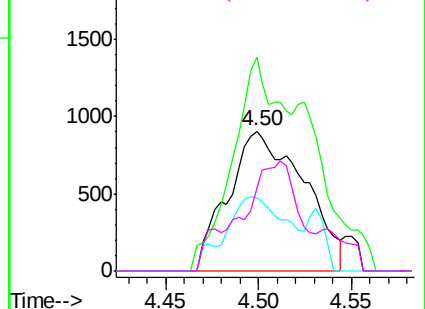


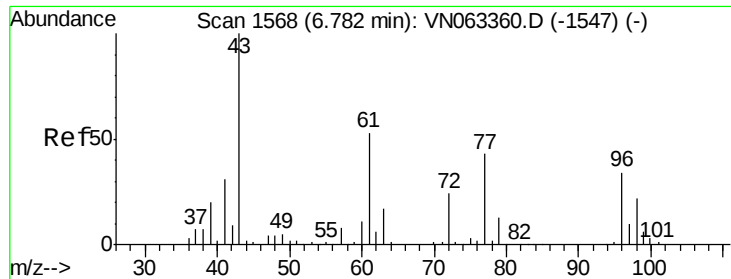
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

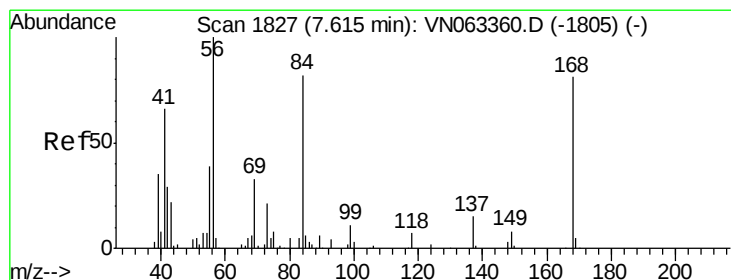
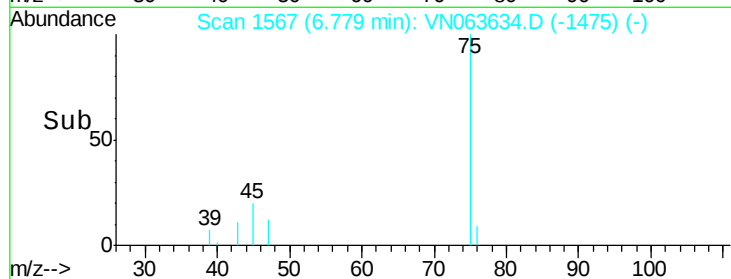
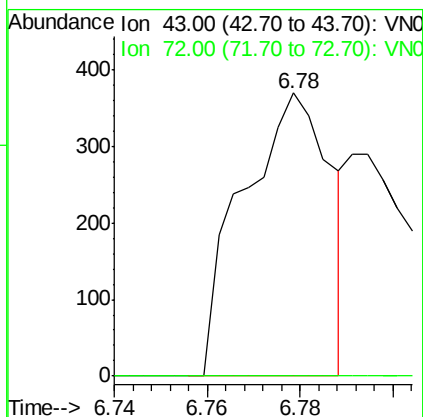
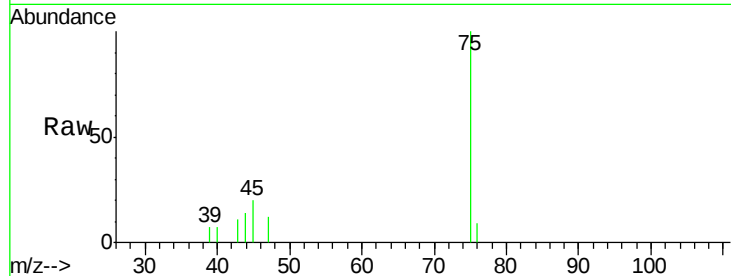




#25
2-Butanone
Concen: 0.284 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

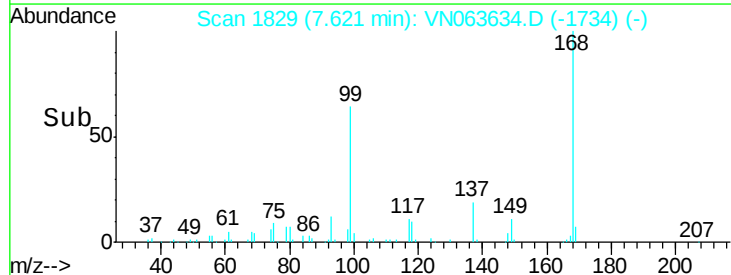
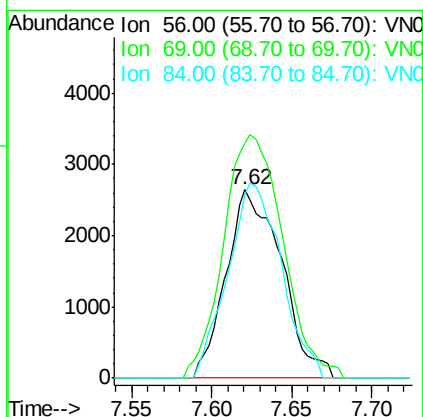
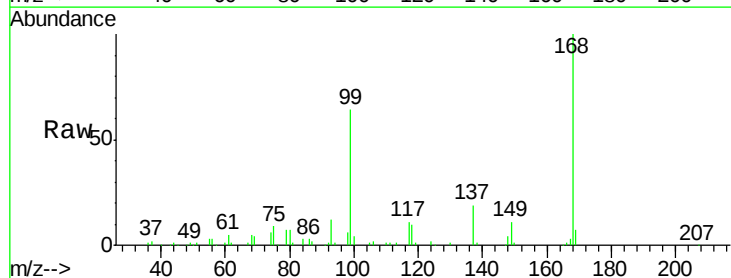
Instrument :
MSVOA_N
ClientSampleId :
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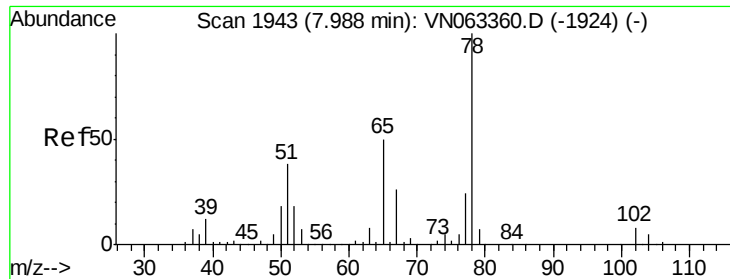
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

Tgt Ion: 56 Resp: 6286
Ion Ratio Lower Upper
56 100
69 118.6 26.1 39.1#
84 97.3 65.4 98.2

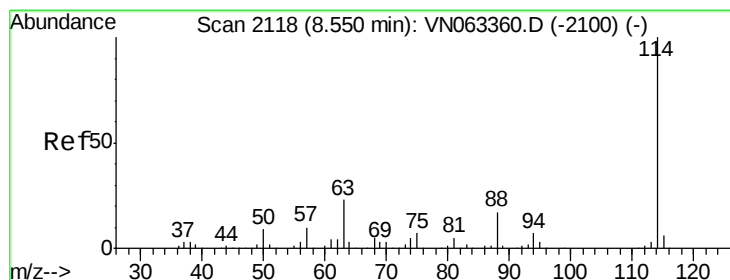
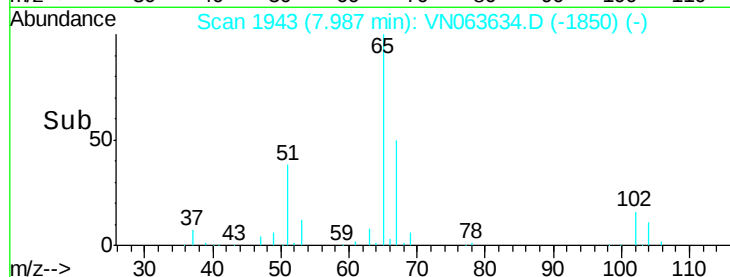
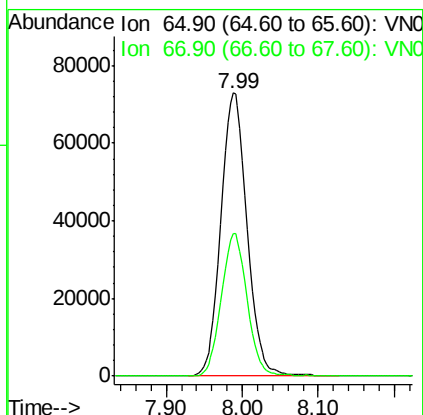
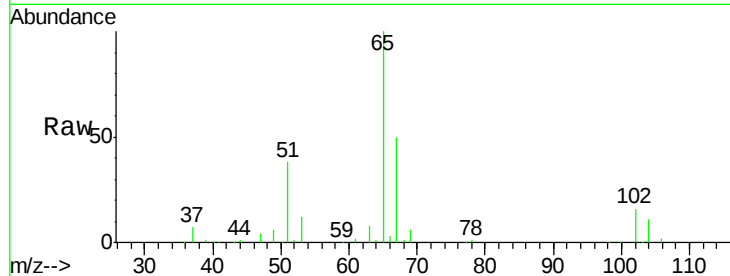




#33
 1,2-Dichloroethane-d4
 Concen: 50.945 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063634.D
 Acq: 24 Sep 2020 17:28

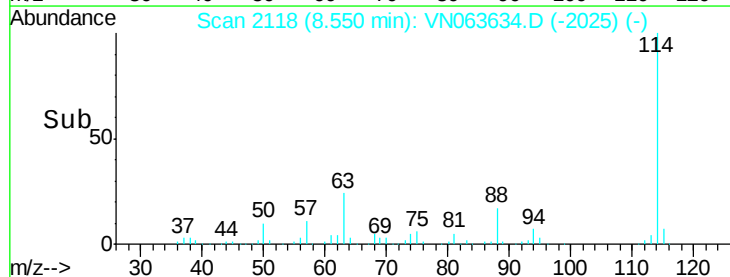
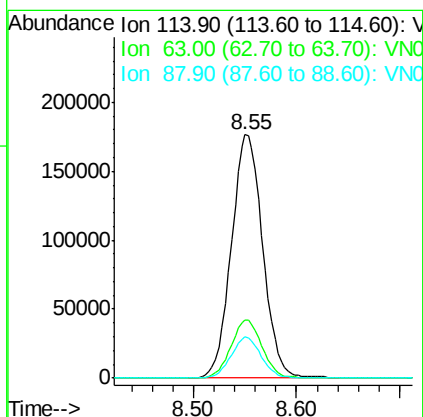
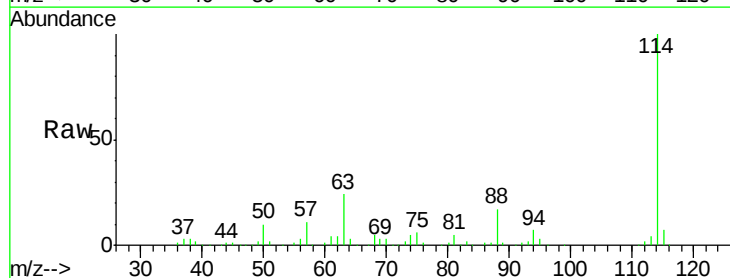
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 ClientSampleId :
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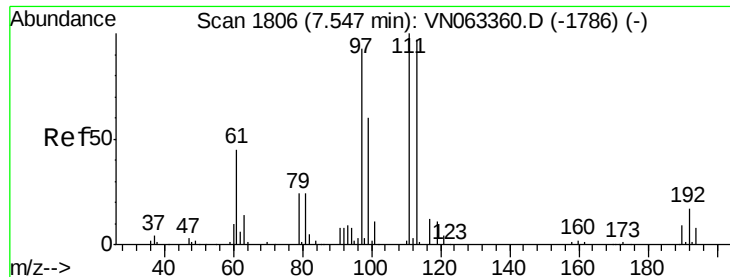
Tgt Ion: 65 Resp: 175664
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063634.D
 Acq: 24 Sep 2020 17:28

Tgt Ion: 114 Resp: 373742
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.4
 88 16.9 0.0 33.2

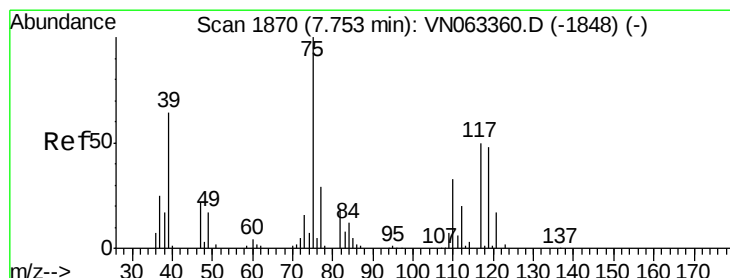
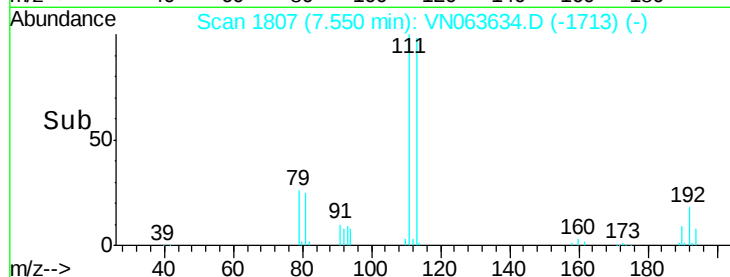
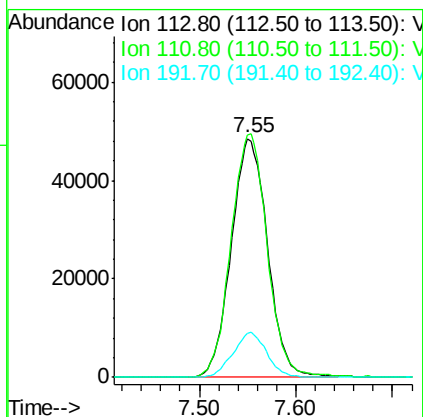
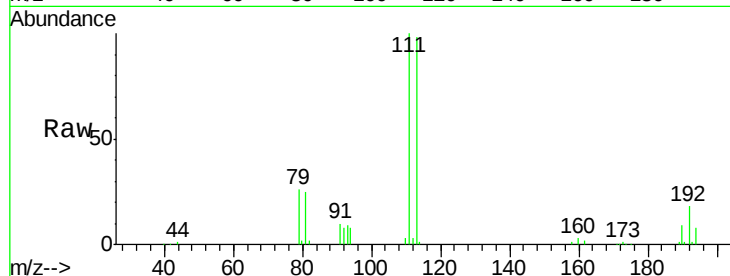




#35
 Dibromofluoromethane
 Concen: 48.870 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063634.D
 Acq: 24 Sep 2020 17:28

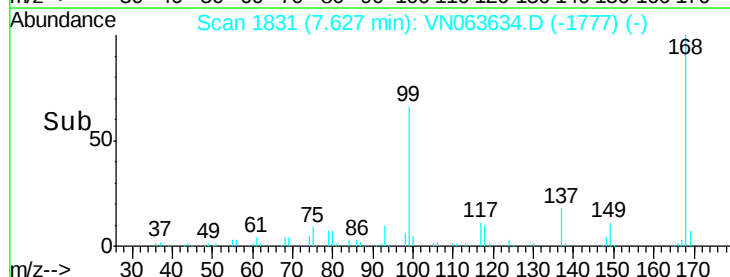
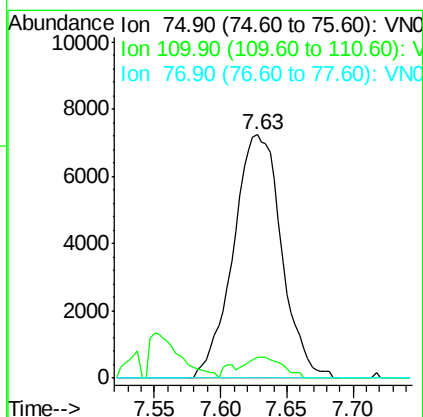
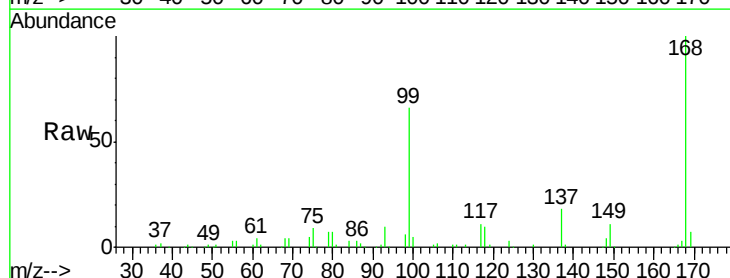
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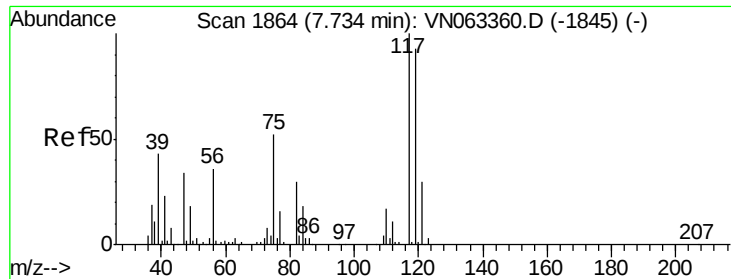
Tgt Ion: 113 Resp: 126444
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 17.5 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063634.D
 Acq: 24 Sep 2020 17:28

Tgt Ion: 75 Resp: 18332
 Ion Ratio Lower Upper
 75 100
 110 6.6 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.612 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063634.D

Acq: 24 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

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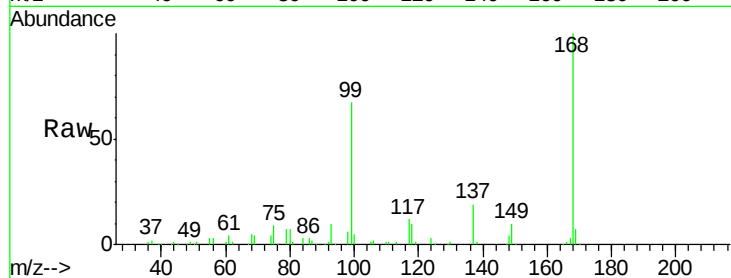
Tgt Ion:117 Resp: 22810

Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

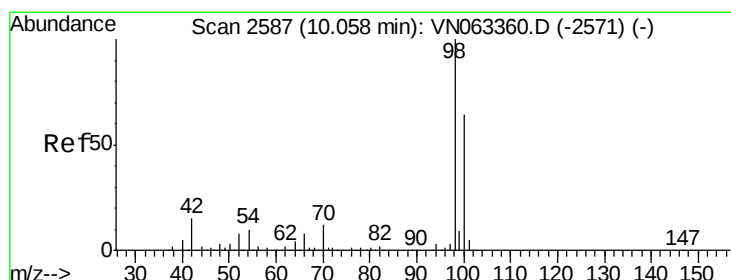
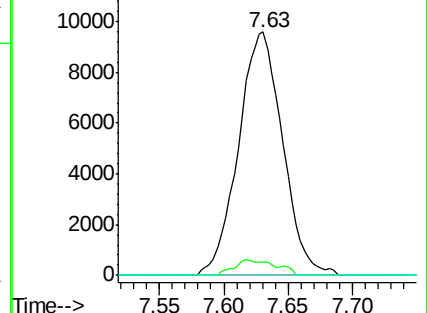
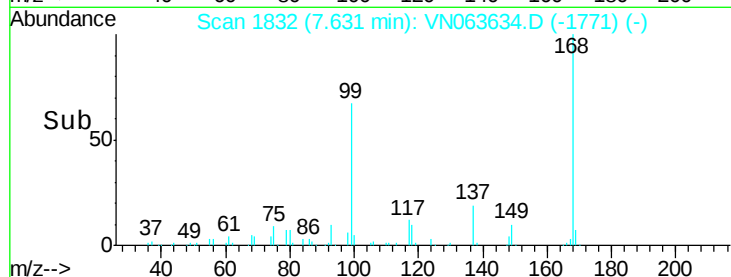
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 49.536 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063634.D

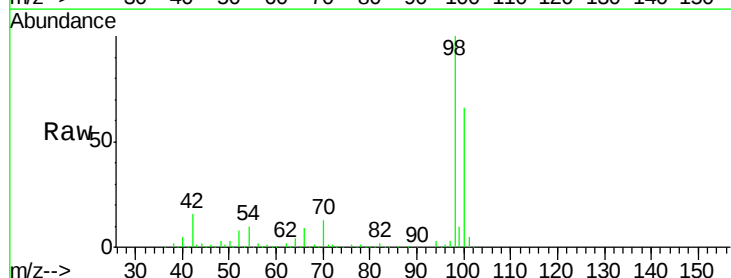
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Tgt Ion: 98 Resp: 481926

Ion Ratio Lower Upper

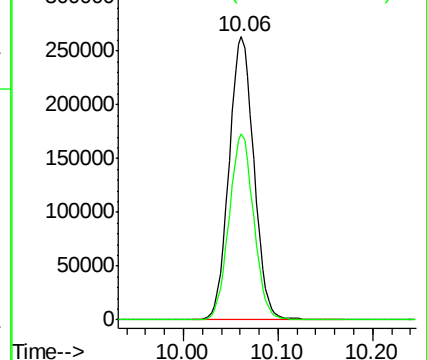
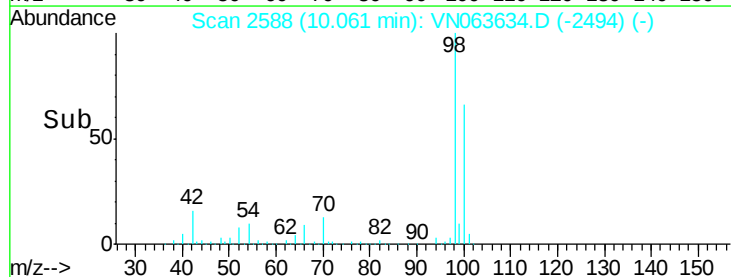
98 100

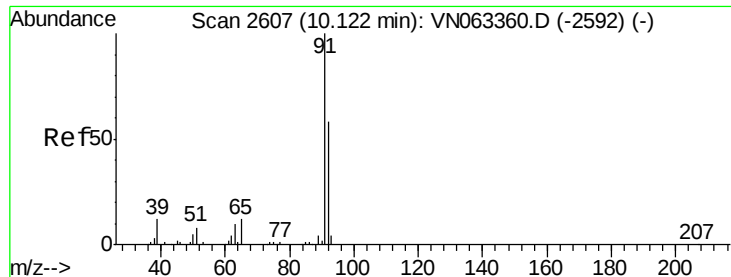
100 64.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 1.899 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063634.D

Acq: 24 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

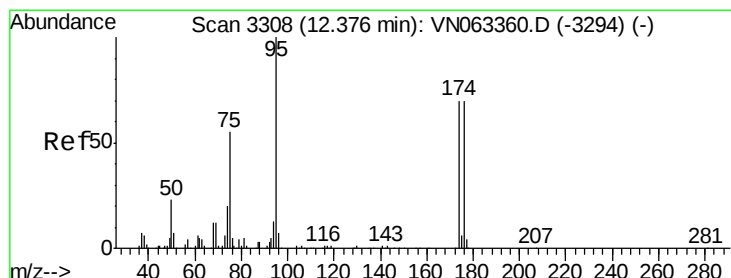
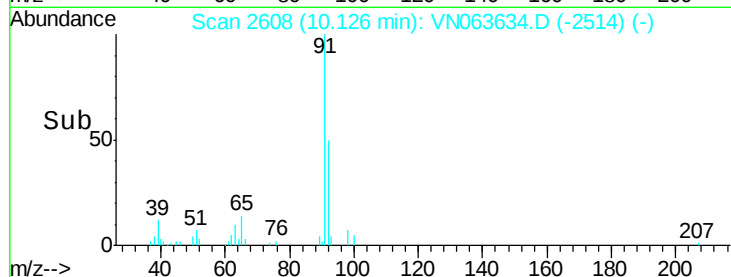
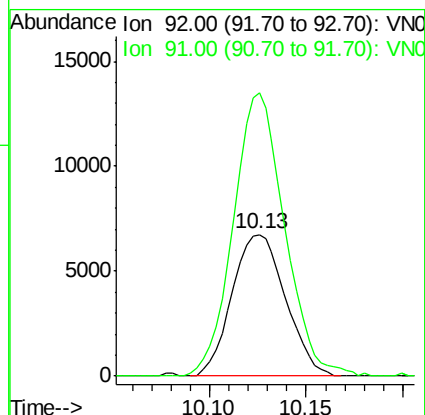
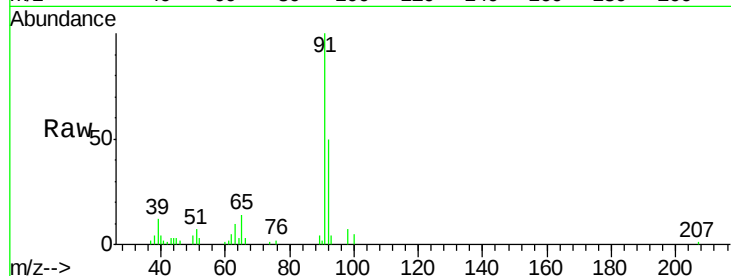
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Tgt Ion: 92 Resp: 12977

Ion Ratio Lower Upper

92 100

91 191.6 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 53.692 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063634.D

Acq: 24 Sep 2020 17:28

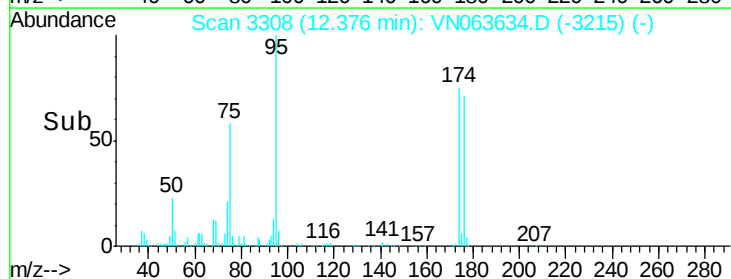
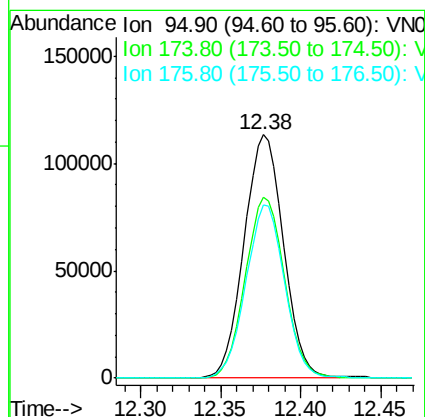
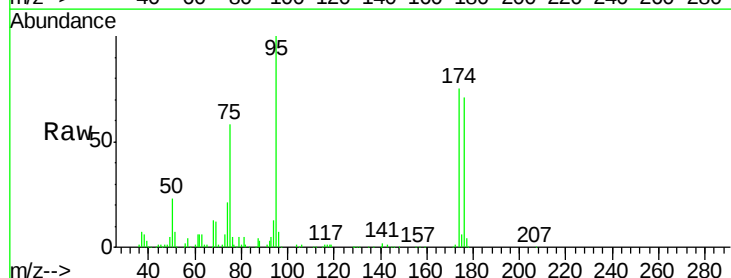
Tgt Ion: 95 Resp: 191487

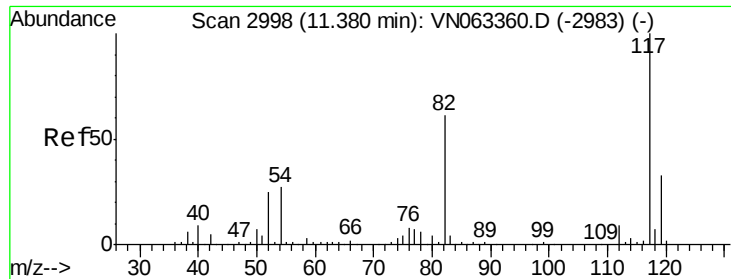
Ion Ratio Lower Upper

95 100

174 74.3 0.0 140.8

176 70.2 0.0 137.6

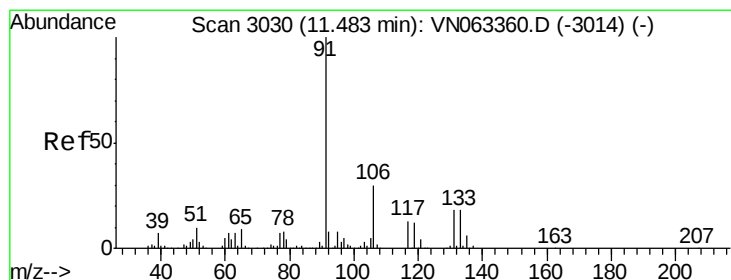
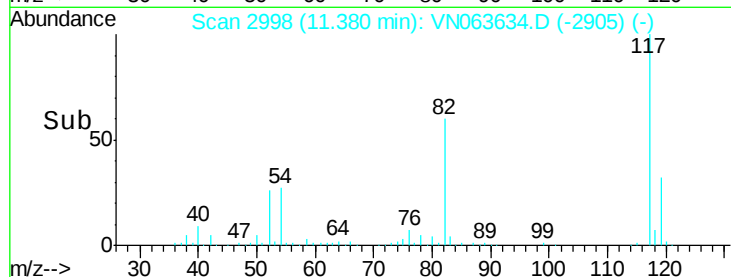
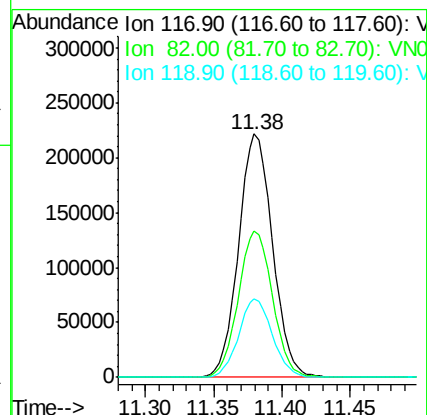
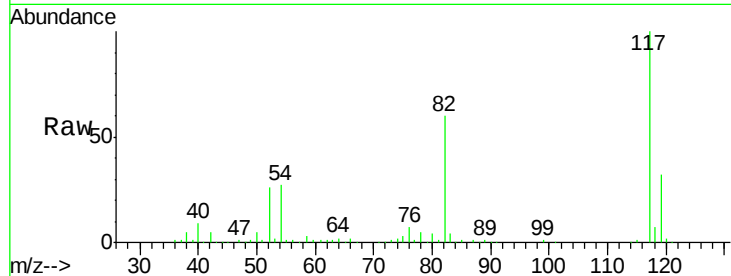




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

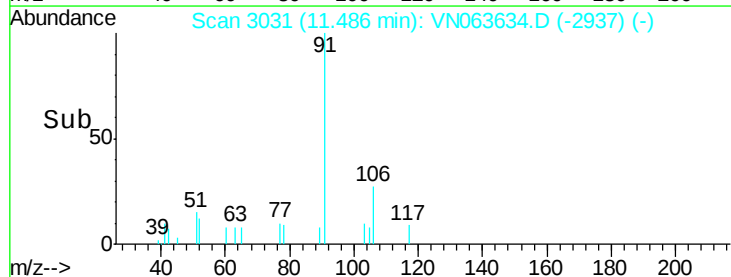
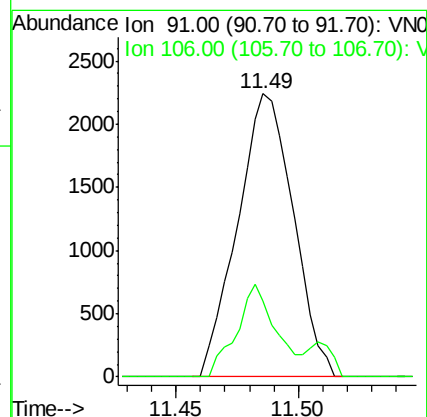
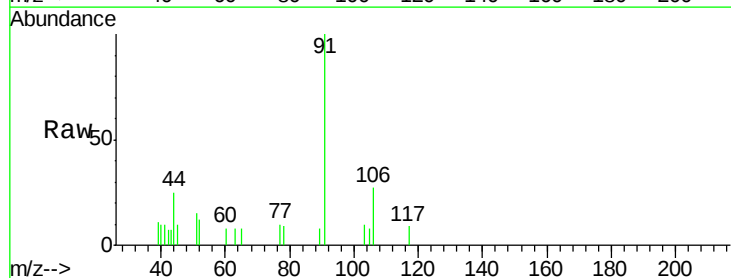
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MSVOA_N
ClientSampled :
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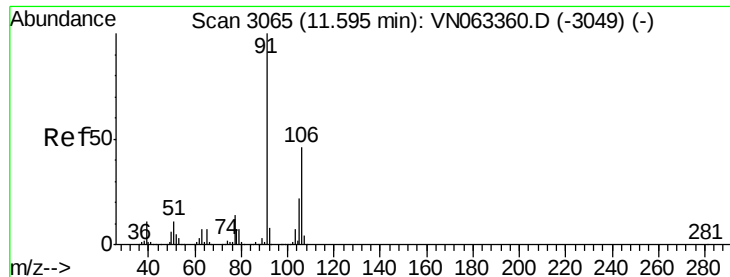
Tgt Ion: 117 Resp: 384370
Ion Ratio Lower Upper
117 100
82 60.1 49.2 73.8
119 32.1 26.2 39.4



#67
Ethyl Benzene
Concen: 0.231 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

Tgt Ion: 91 Resp: 3550
Ion Ratio Lower Upper
91 100
106 27.0 23.8 35.6

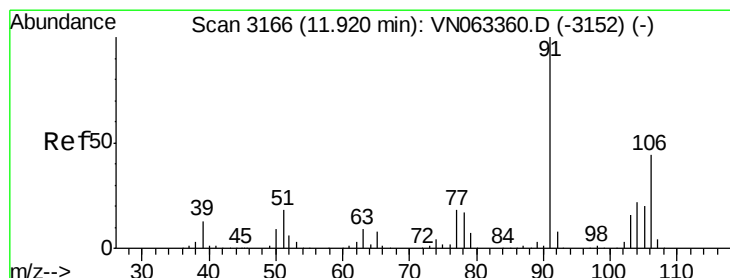
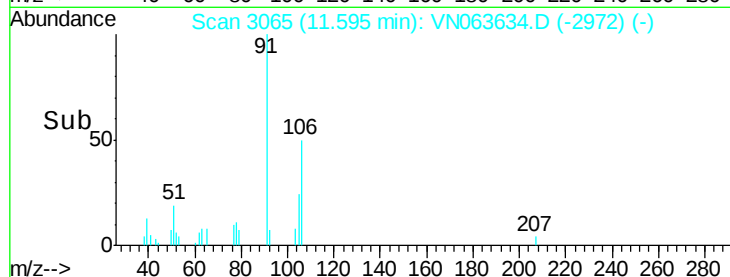
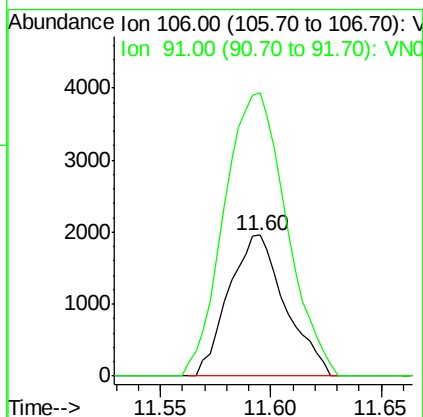
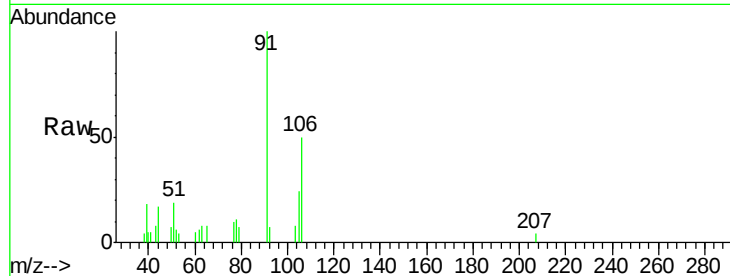




#68
m/p-Xylenes
Concen: 0.630 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

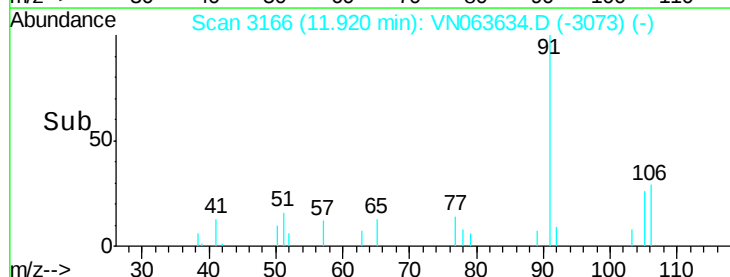
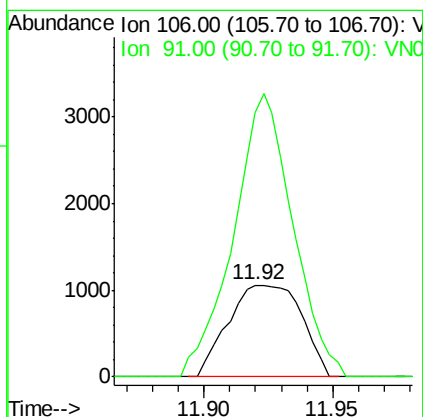
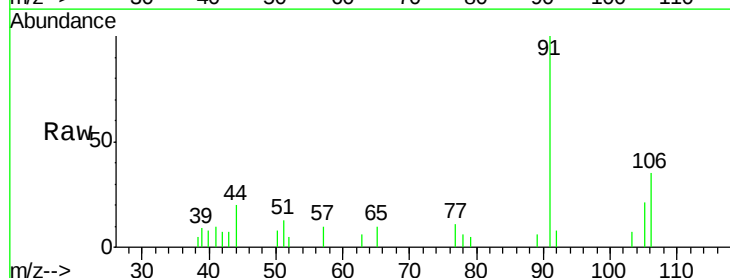
Instrument :
MSVOA_N
ClientSampled :
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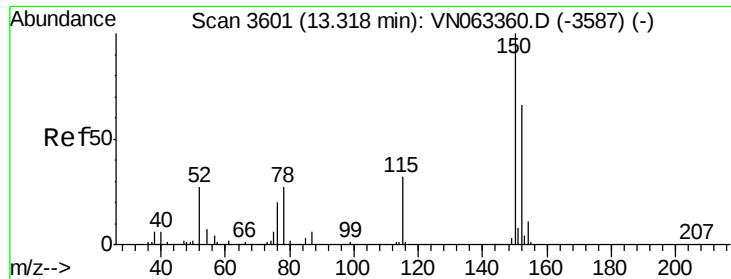
Tgt Ion:106 Resp: 3489
Ion Ratio Lower Upper
106 100
91 220.8 171.2 256.8



#69
o-Xylene
Concen: 0.398 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

Tgt Ion:106 Resp: 2101
Ion Ratio Lower Upper
106 100
91 248.8 113.6 340.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063634.D

Acq: 24 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

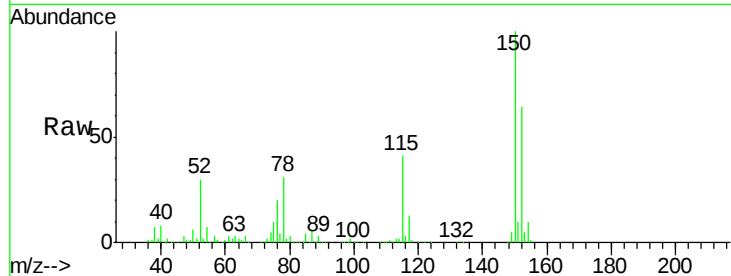
Tgt Ion:152 Resp: 166907

Ion Ratio Lower Upper

152 100

115 63.0 32.2 96.6

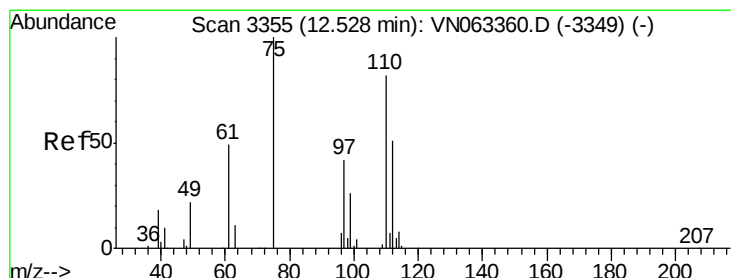
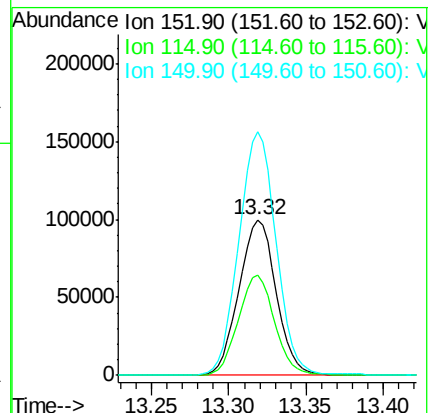
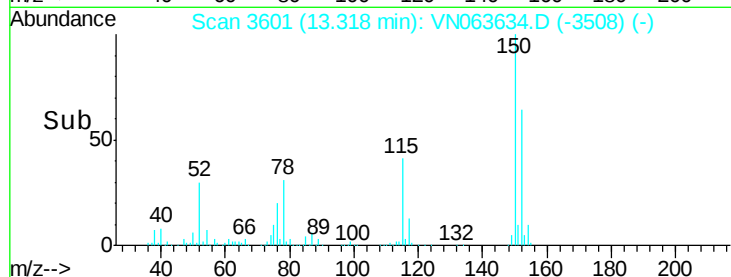
150 156.5 0.0 343.4



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: 26.864 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063634.D

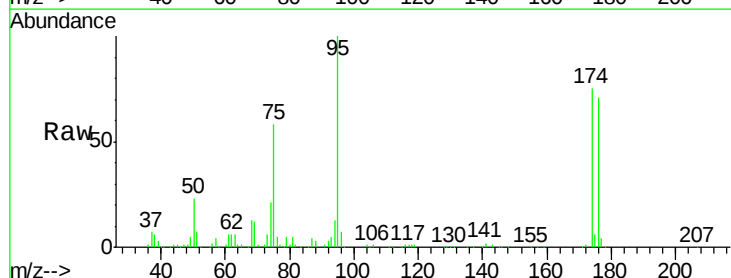
Acq: 24 Sep 2020 17:28

Tgt Ion: 75 Resp: 110982

Ion Ratio Lower Upper

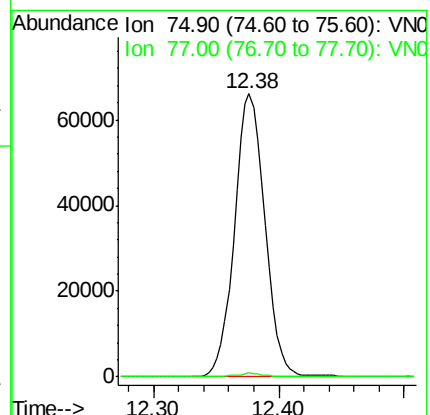
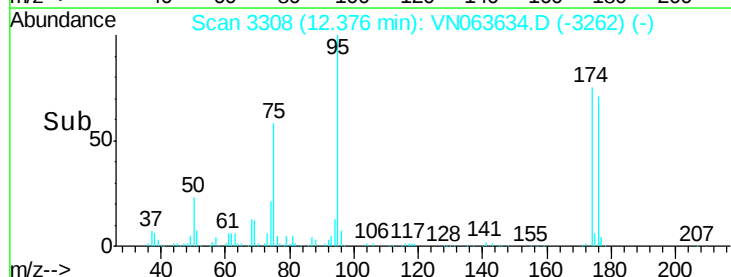
75 100

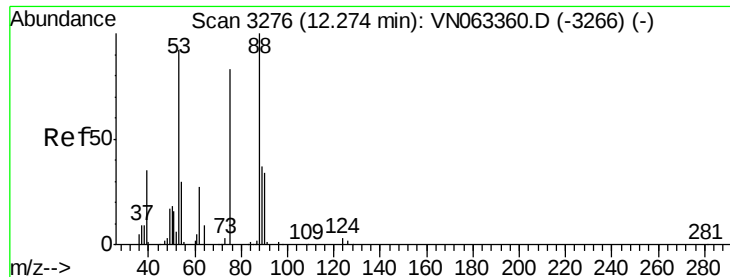
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

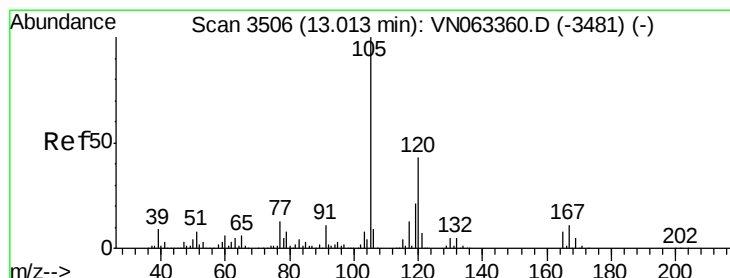
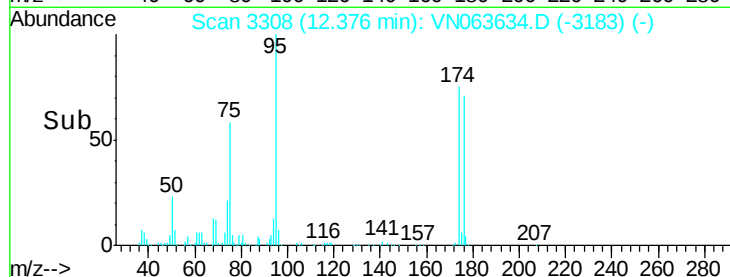
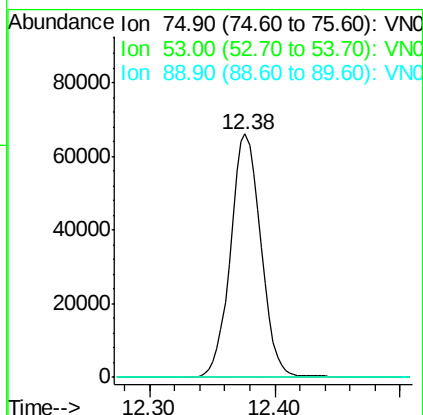
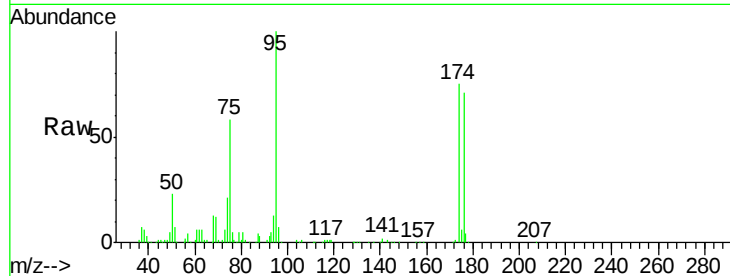




#81
trans-1,4-Dichloro-2-butene
Concen: 73.652 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

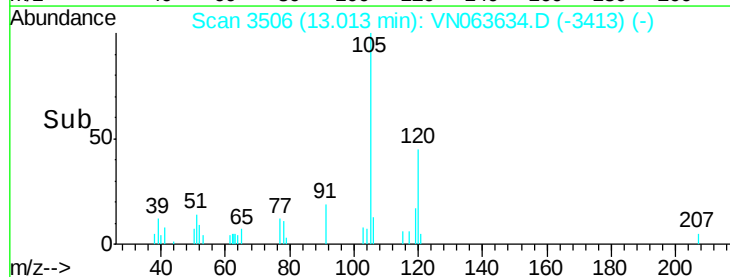
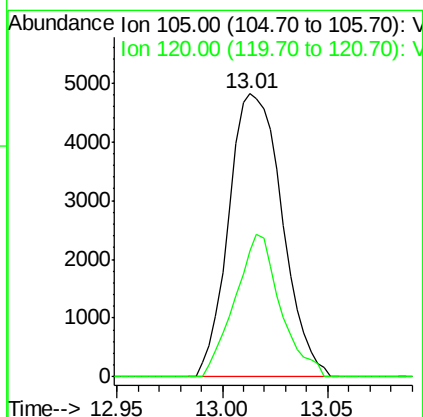
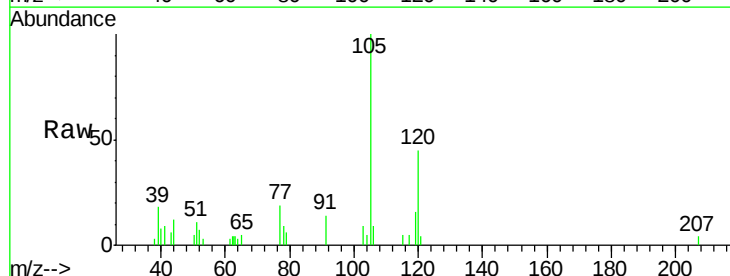
Instrument :
MSVOA_N
ClientSampled :
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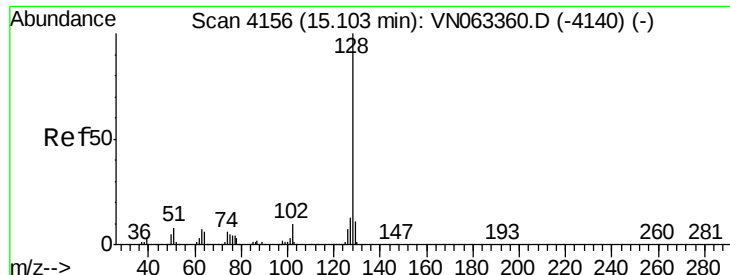
Tgt Ion: 75 Resp: 110982
Ion Ratio Lower Upper
75 100
53 0.0 85.7 128.5#
89 0.0 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.752 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063634.D
Acq: 24 Sep 2020 17:28

Tgt Ion: 105 Resp: 8467
Ion Ratio Lower Upper
105 100
120 42.9 21.3 63.9





#95

Naphthalene

Concen: 0.345 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN063634.D

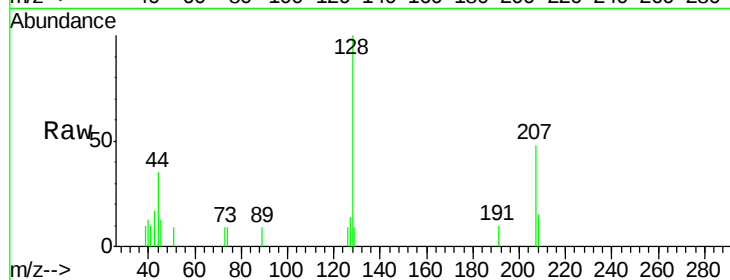
Acq: 24 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

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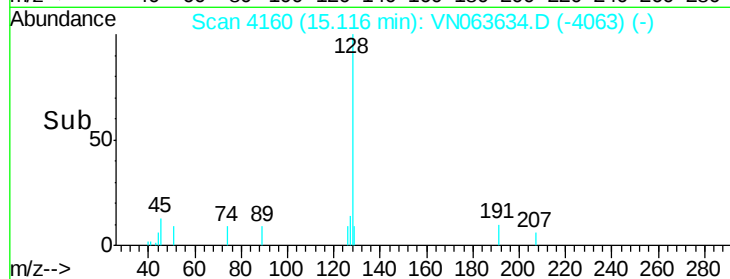
Tgt Ion:128 Resp: 3675

Ion Ratio Lower Upper

128 100

127 11.8 10.6 15.8

129 7.4 8.8 13.2#



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

