

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063048.D
 Acq On : 20 Aug 2020 21:14
 Operator : JC/MD
 Sample : L3711-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20200814

Quant Time: Aug 21 06:37:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	234153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85788	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	94820	57.19	ug/l	0.00
Spiked Amount			Recovery	=	114.38%	
35) Dibromofluoromethane	7.55	113	81098	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
50) Toluene-d8	10.06	98	297463	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.38	95	97228	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

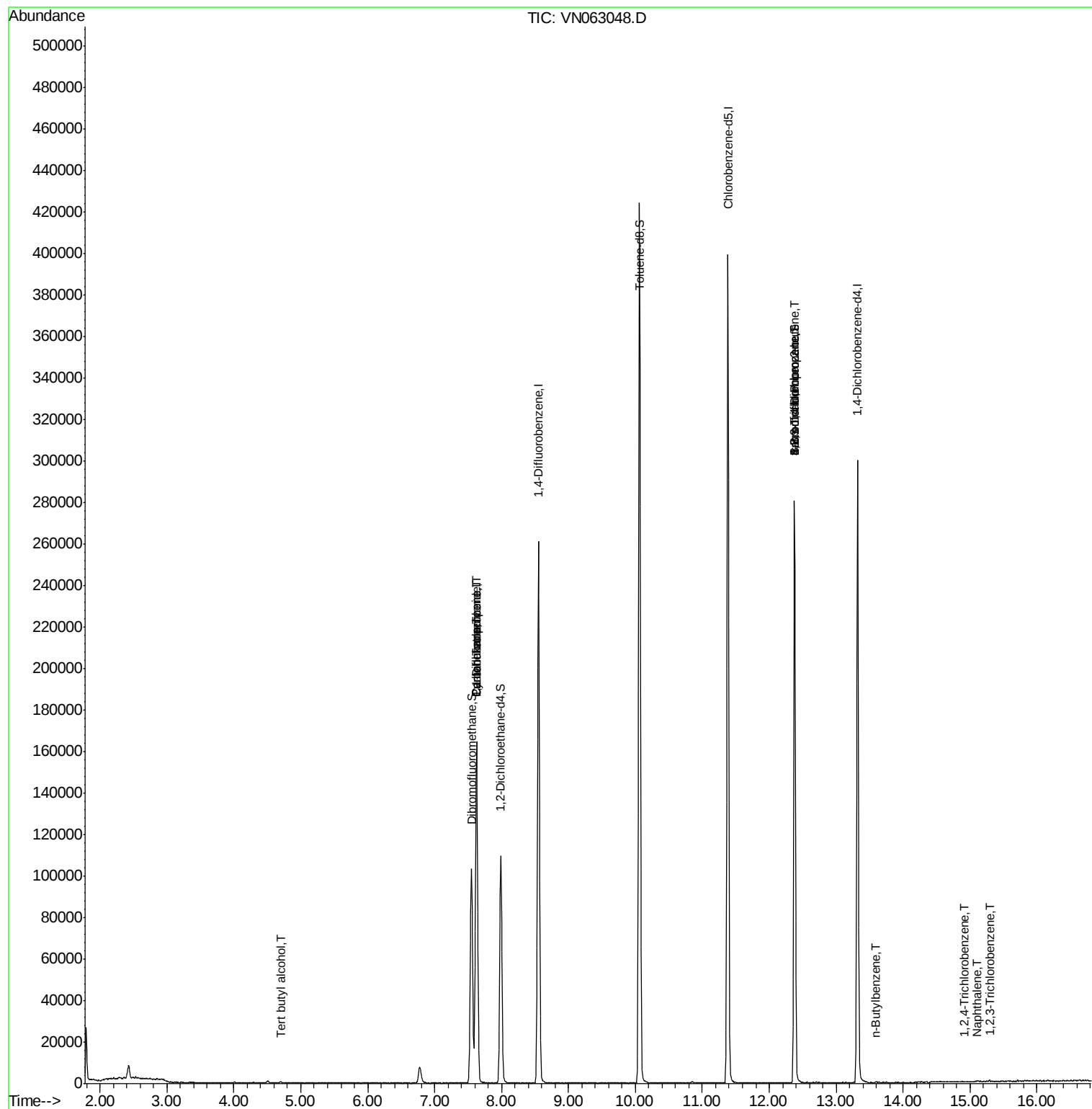
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	282	1.201	ug/l #	74
16) Acetone	3.78	43	137	Below Cal	#	40
20) Methylene Chloride	4.51	84	693	Below Cal	#	73
31) Cyclohexane	7.63	56	2564	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	10753	5.211	ug/l #	49
38) Carbon Tetrachloride	7.63	117	12573	6.035	ug/l #	19
71) Bromoform	12.37	173	889	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46556	27.919	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46556	76.679	ug/l #	15
89) n-Butylbenzene	13.59	91	158	2.803	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.90	180	64	4.584	ug/l #	12
95) Naphthalene	15.11	128	470	5.764	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	281	4.143	ug/l #	63

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063048.D

Acq: 20 Aug 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

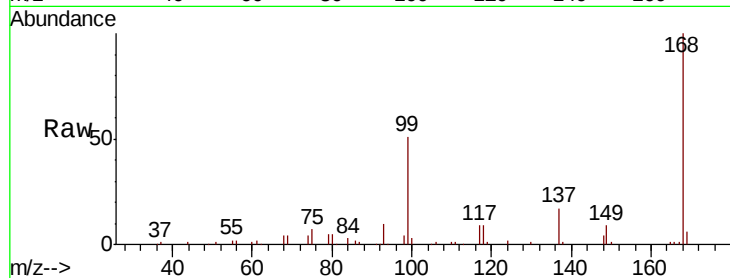
TT-TB-20200814

Tot Ion:168 Resp: 139900

Ion Ratio Lower Upper

168 100

99 50.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

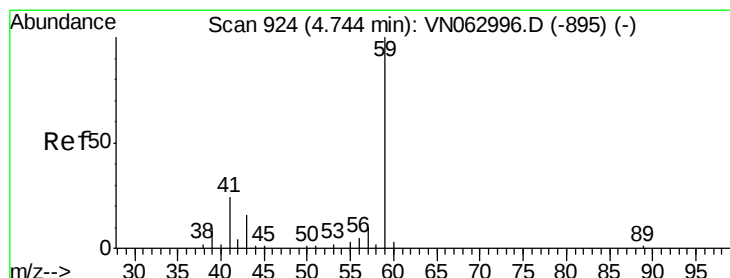
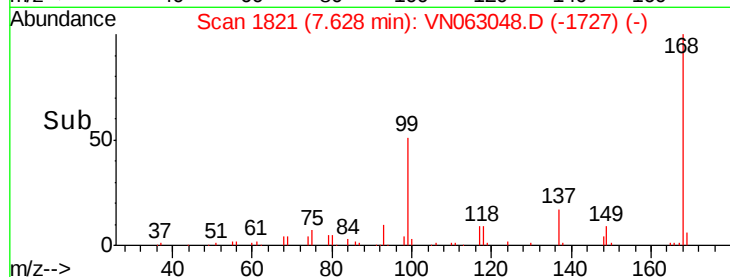
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.201 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.04 min

Lab File: VN063048.D

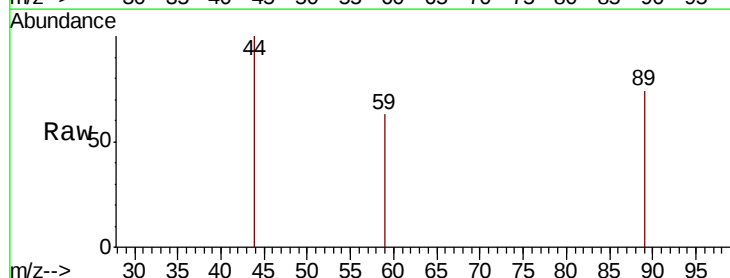
Acq: 20 Aug 2020 21:14

Tgt Ion: 59 Resp: 282

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.70

200

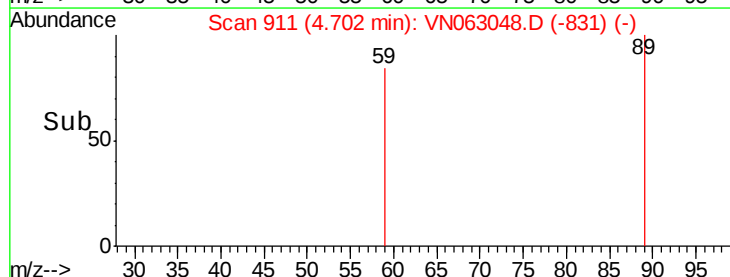
150

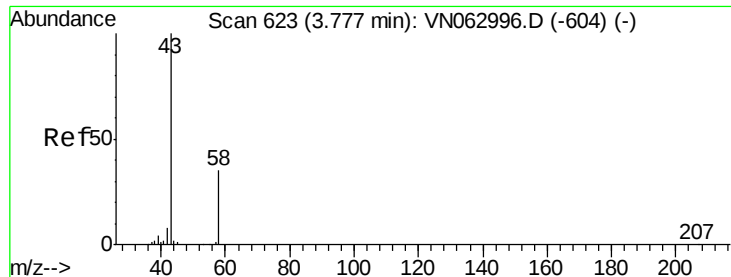
100

50

0

Time--> 4.68 4.70 4.72





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN063048.D

Acq: 20 Aug 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

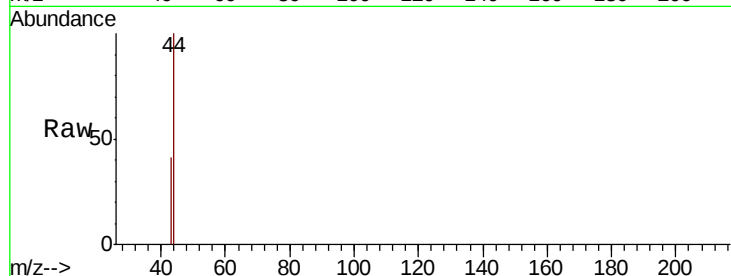
TT-TB-20200814

Tot Ion: 43 Resp: 137

Ion Ratio Lower Upper

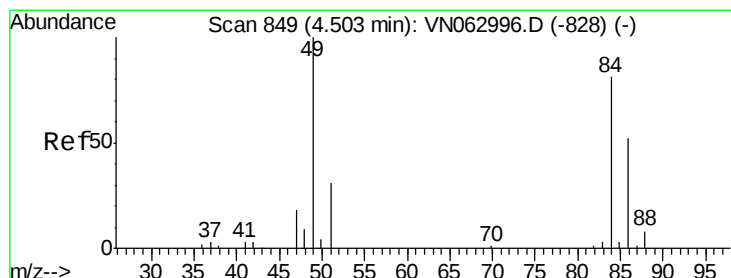
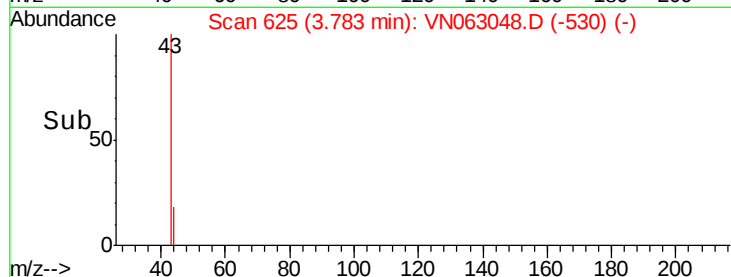
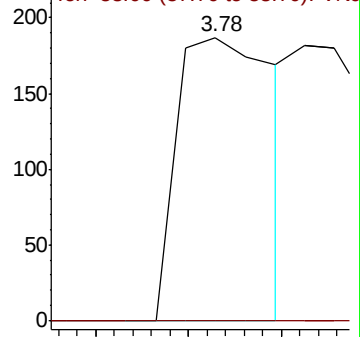
43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN063048.D

Acq: 20 Aug 2020 21:14

Tgt Ion: 84 Resp: 693

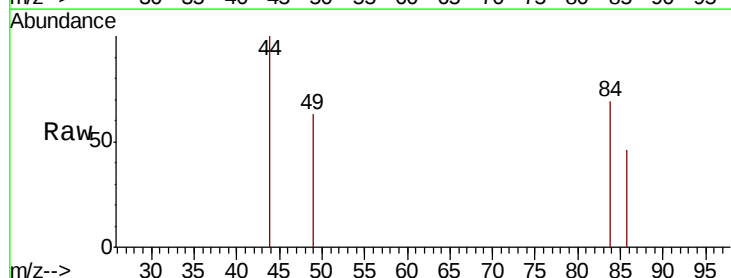
Ion Ratio Lower Upper

84 100

49 91.2 98.7 148.1#

51 0.0 30.8 46.2#

86 65.8 51.2 76.8

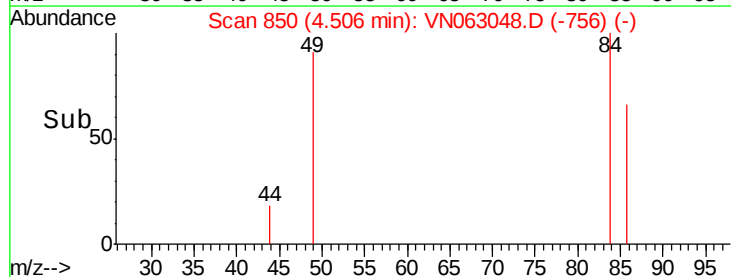
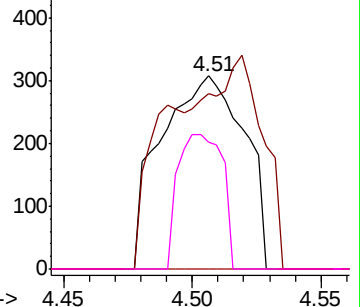


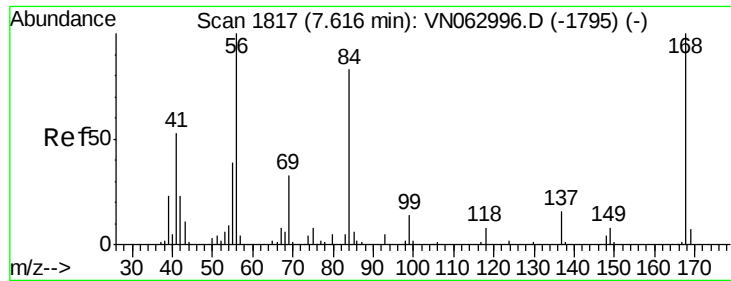
Abundance Ion 83.90 (83.60 to 84.60): VN0

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

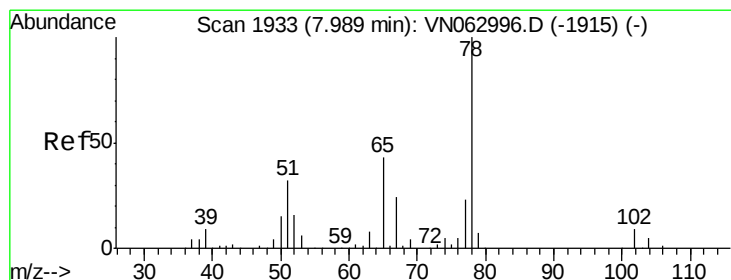
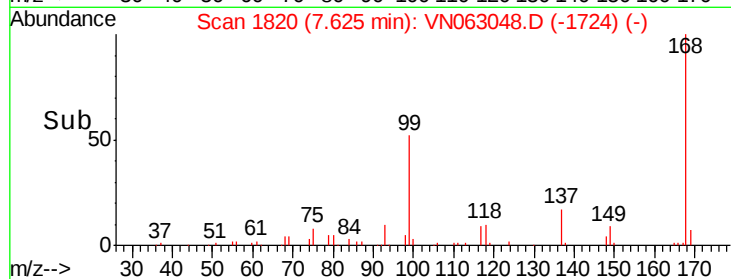
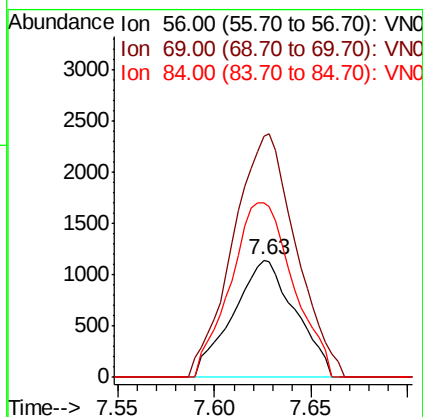
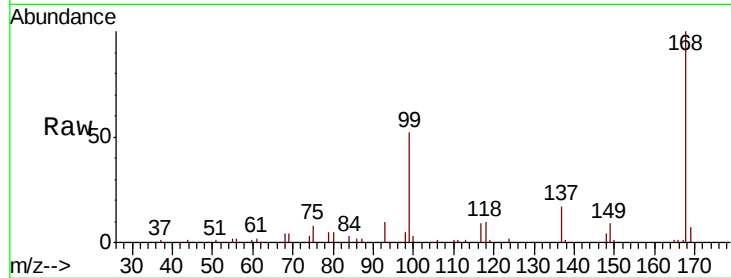




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

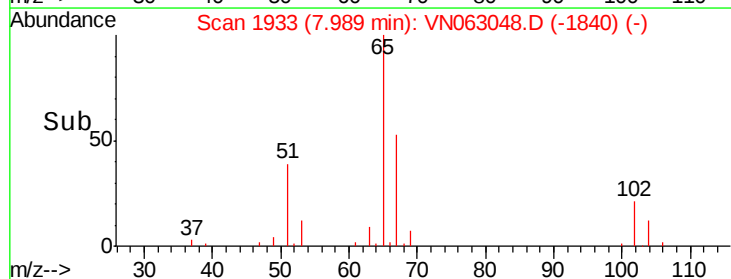
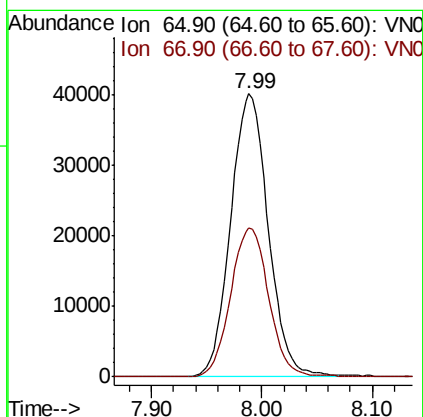
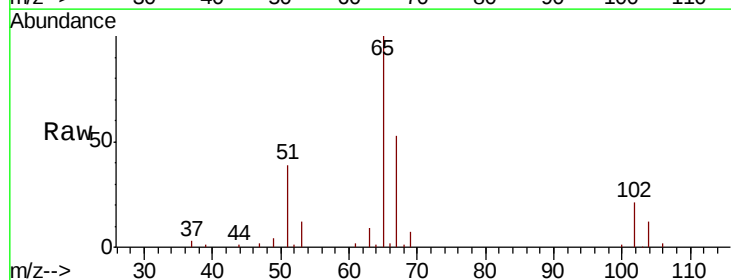
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20200814

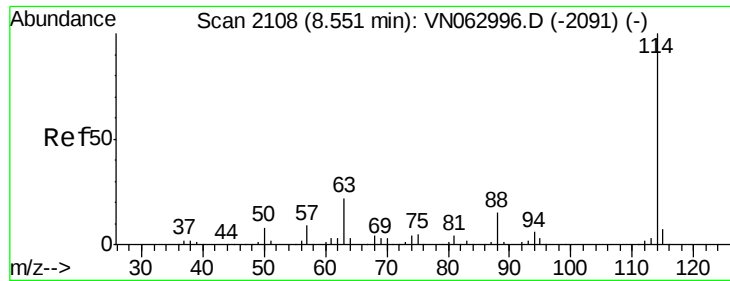
Tot Ion: 56 Resp: 2564
Ion Ratio Lower Upper
56 100
69 206.3 26.6 40.0#
84 149.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.187 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

Tgt Ion: 65 Resp: 94820
Ion Ratio Lower Upper
65 100
67 53.4 0.0 112.0

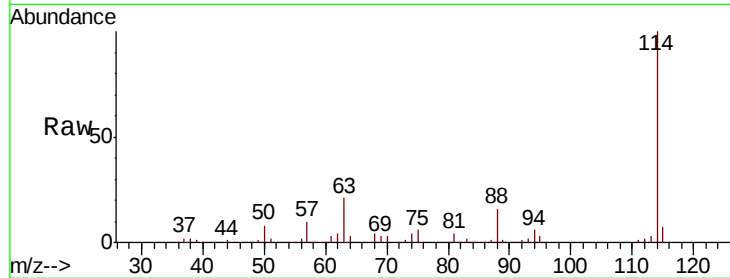




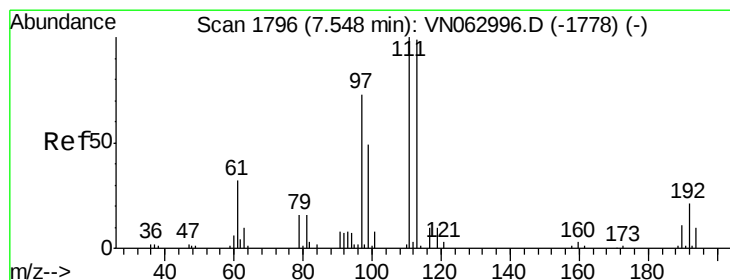
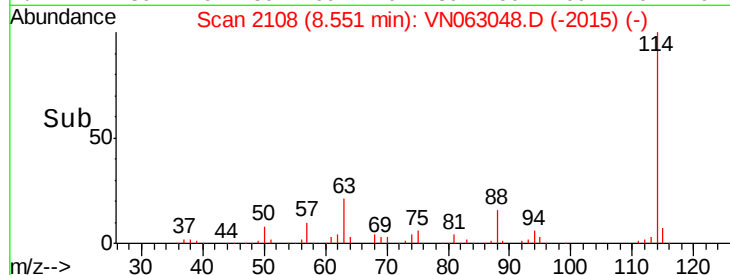
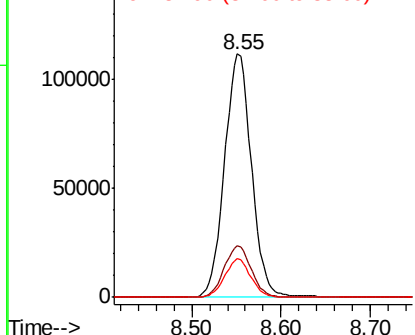
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20200814

Tot Ion:114 Resp: 234153
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.2
88 15.7 0.0 30.6

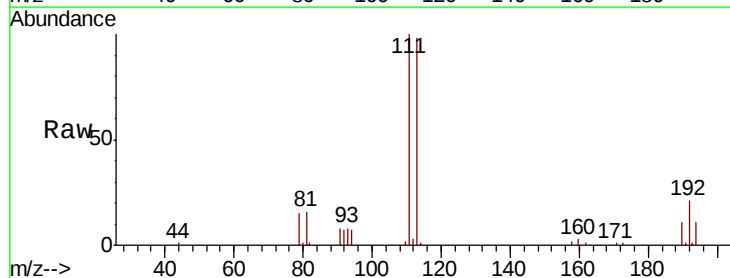


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

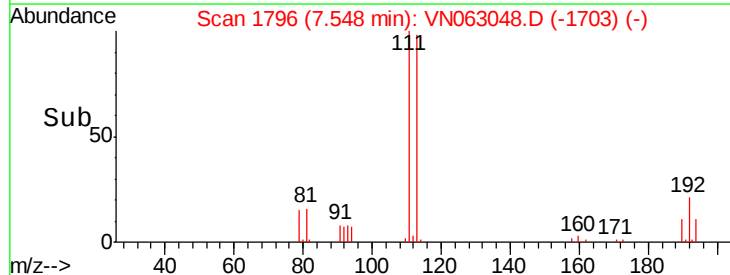
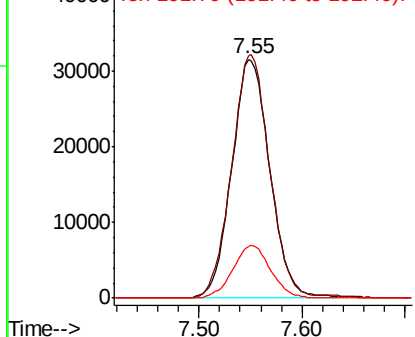


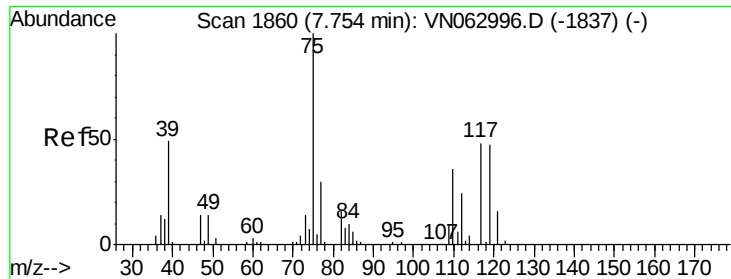
#35
Dibromofluoromethane
Concen: 53.153 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

Tgt Ion:113 Resp: 81098
Ion Ratio Lower Upper
113 100
111 101.2 81.7 122.5
192 21.7 17.5 26.3



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

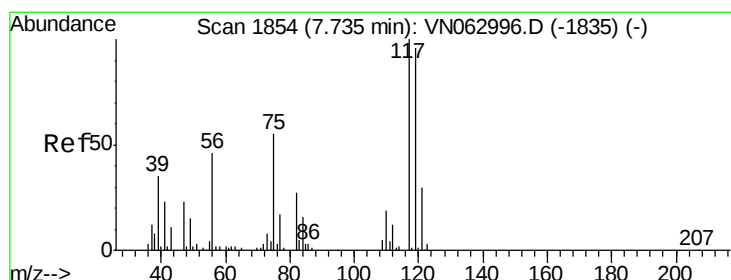
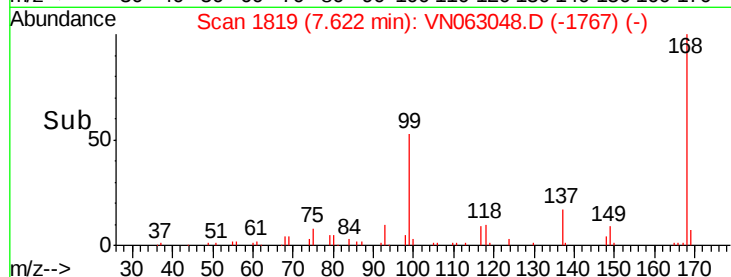
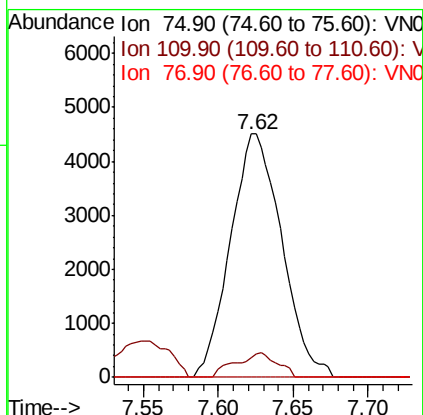
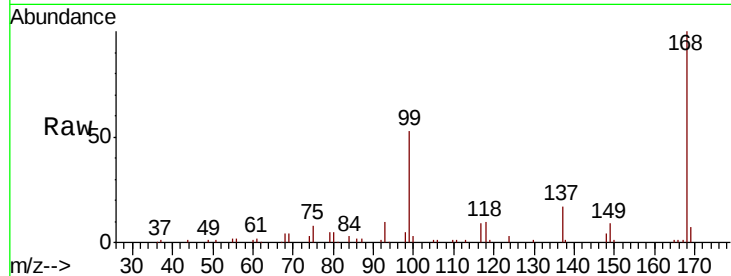




#36
 1,1-Dichloropropene
 Concen: 5.211 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN063048.D
 Acq: 20 Aug 2020 21:14

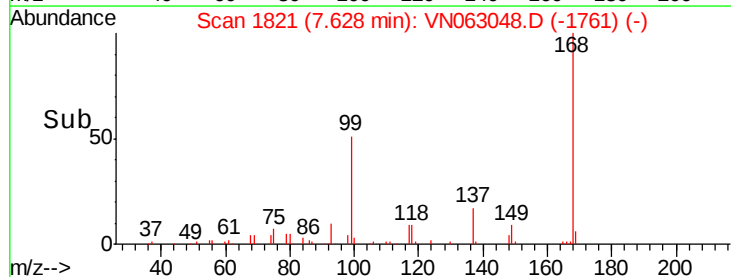
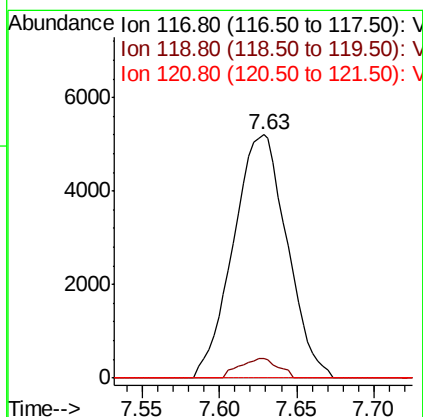
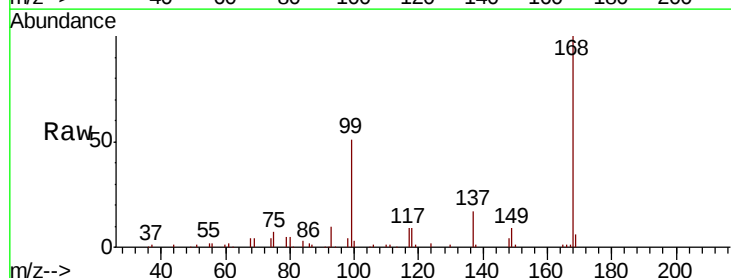
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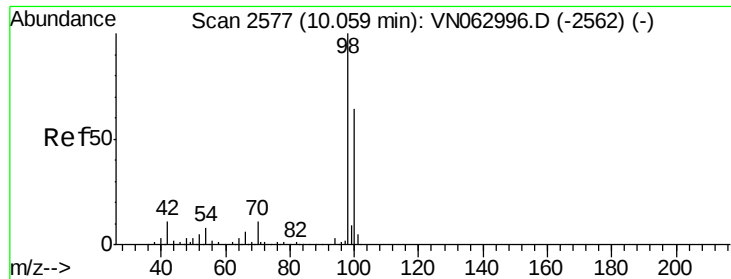
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.5	52.6#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.035 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN063048.D
 Acq: 20 Aug 2020 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.3	76.2	114.4#
121	0.0	24.2	36.2#

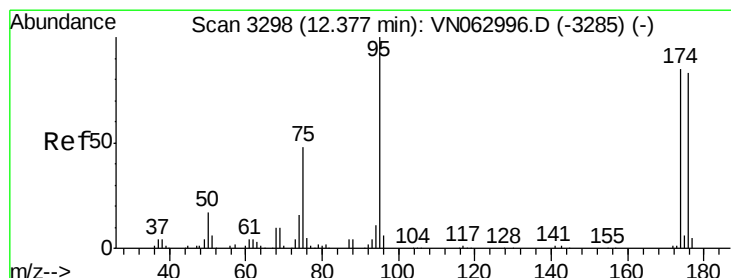
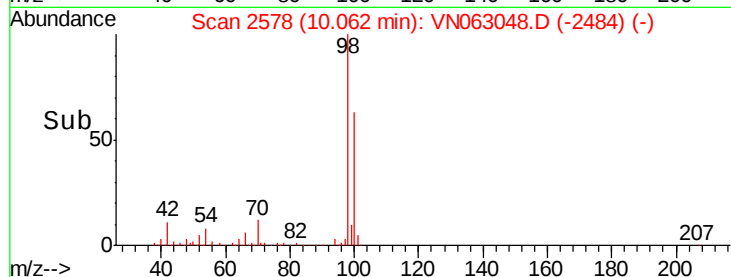
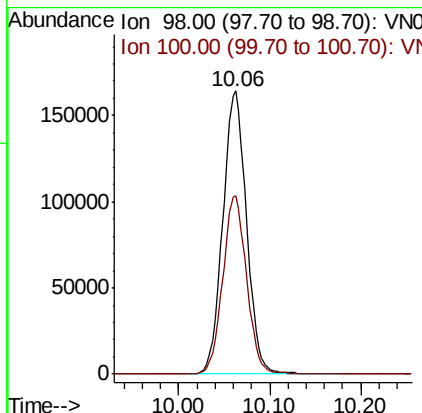
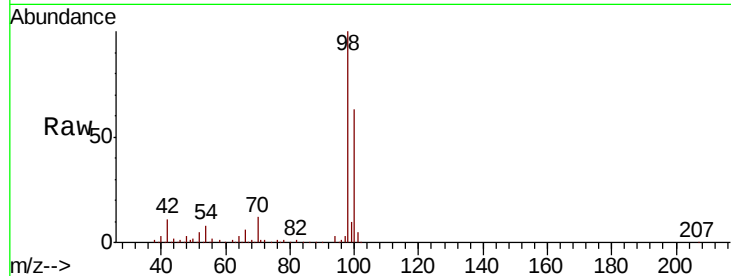




#50
Toluene-d8
Concen: 50.758 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

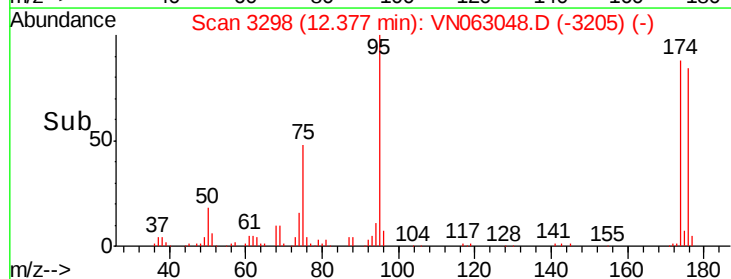
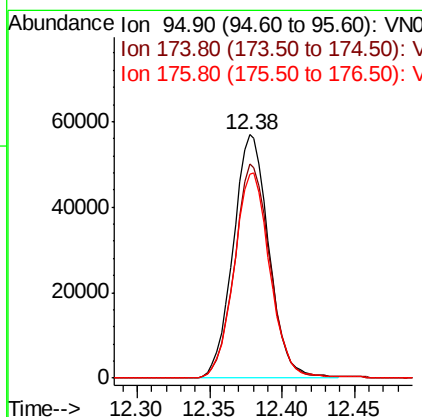
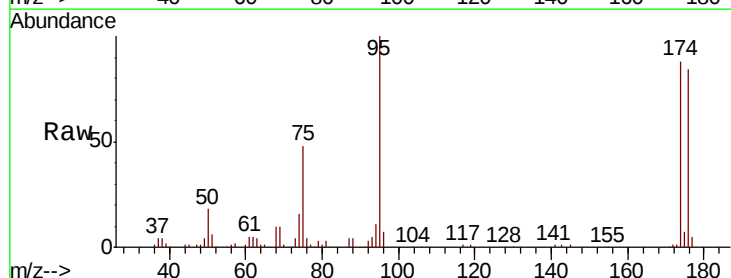
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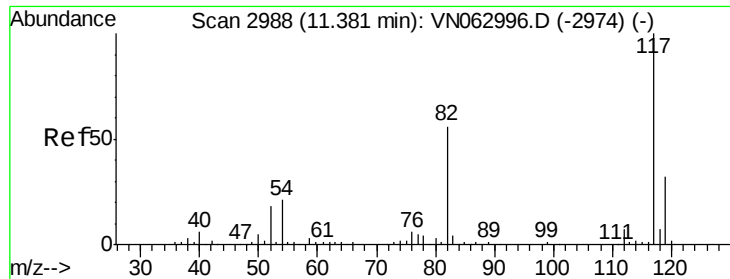
Tot Ion: 98 Resp: 297463
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 47.014 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

Tgt Ion: 95 Resp: 97228
Ion Ratio Lower Upper
95 100
174 88.2 0.0 170.8
176 85.0 0.0 164.8

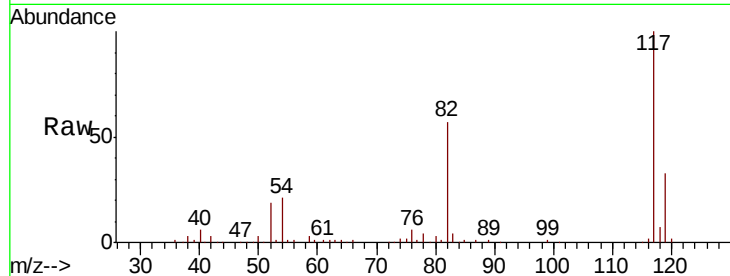




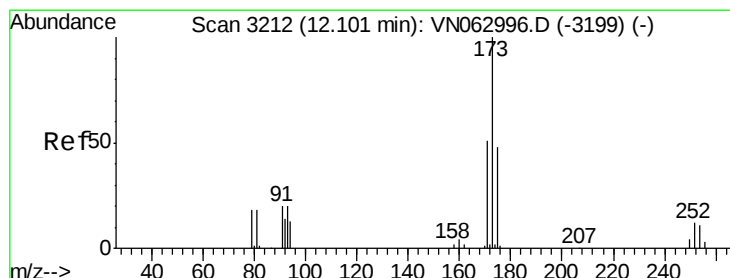
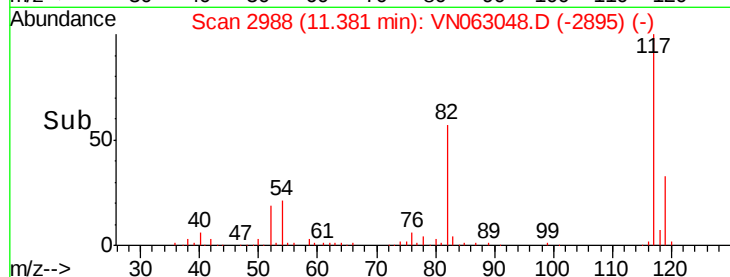
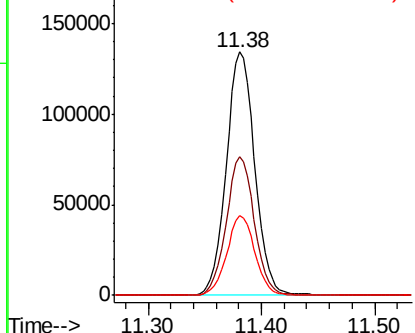
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20200814

Tot Ion:117 Resp: 235020
Ion Ratio Lower Upper
117 100
82 57.0 44.5 66.7
119 32.9 25.5 38.3

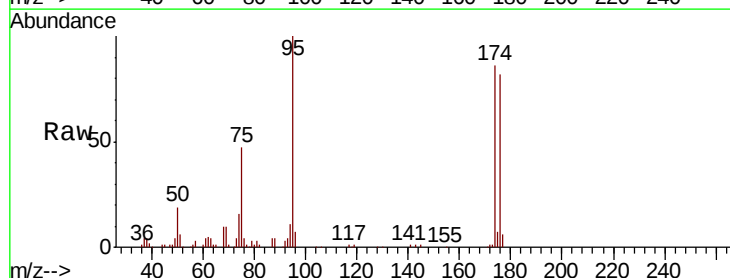


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

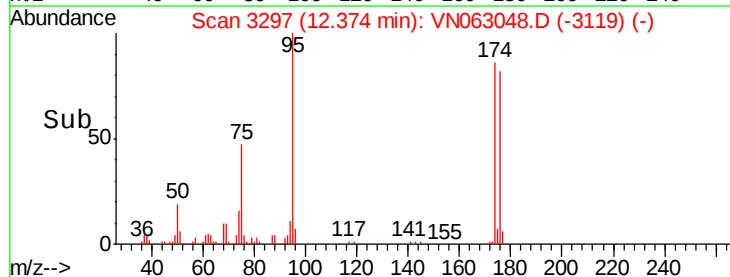
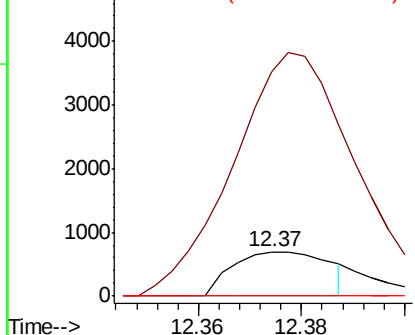


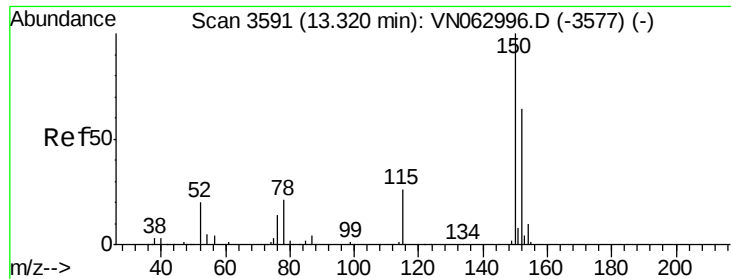
#71
Bromoform
Concen: 0.608 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN063048.D
Acq: 20 Aug 2020 21:14

Tgt Ion:173 Resp: 889
Ion Ratio Lower Upper
173 100
175 572.9 24.3 72.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063048.D

Acq: 20 Aug 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20200814

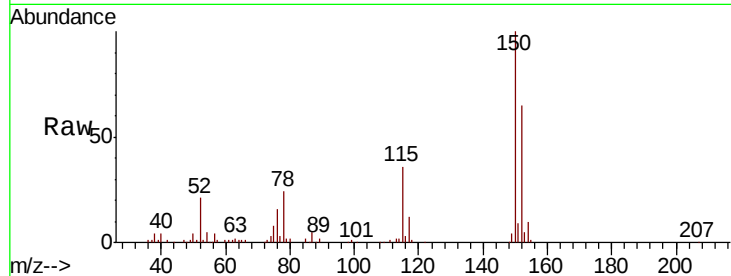
Tot Ion:152 Resp: 85788

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.3

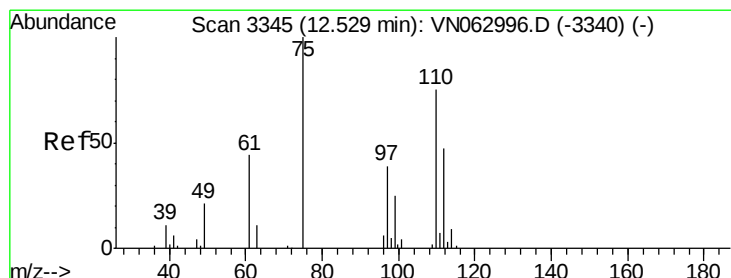
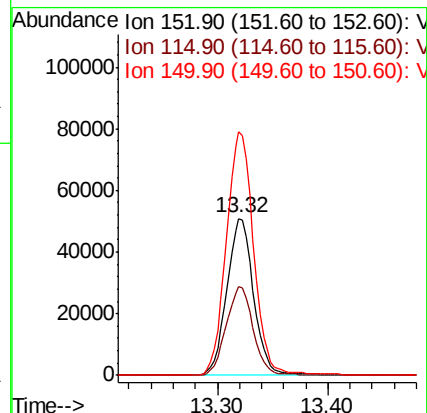
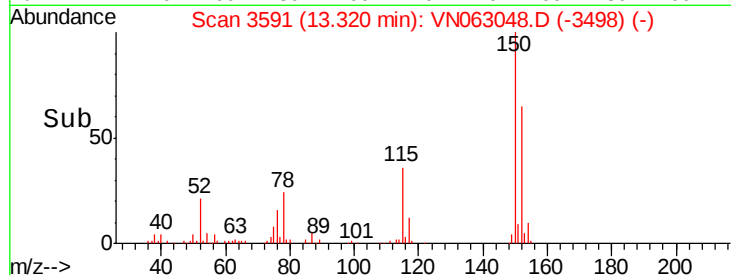
150 158.4 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.919 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063048.D

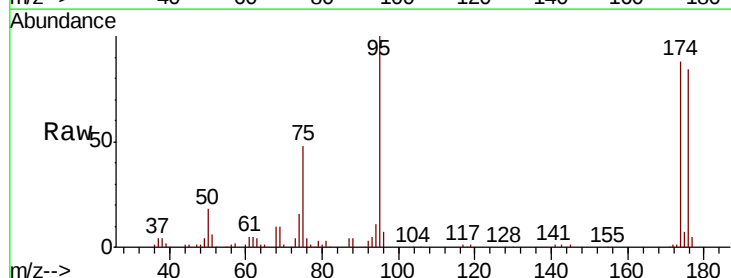
Acq: 20 Aug 2020 21:14

Tgt Ion: 75 Resp: 46556

Ion Ratio Lower Upper

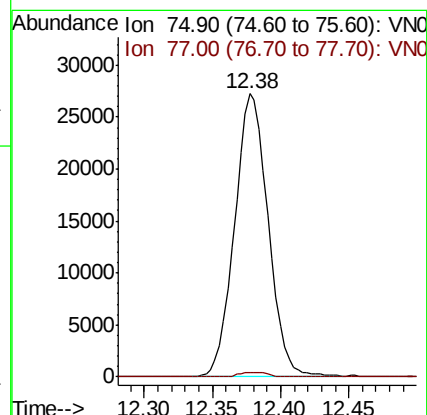
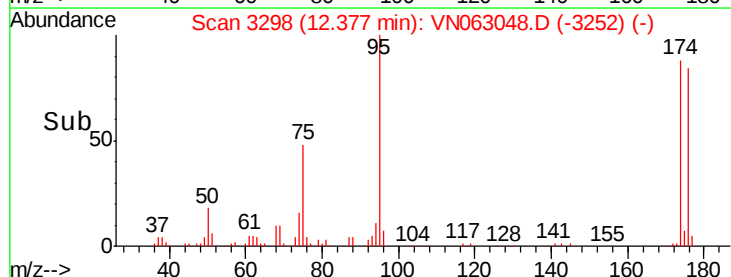
75 100

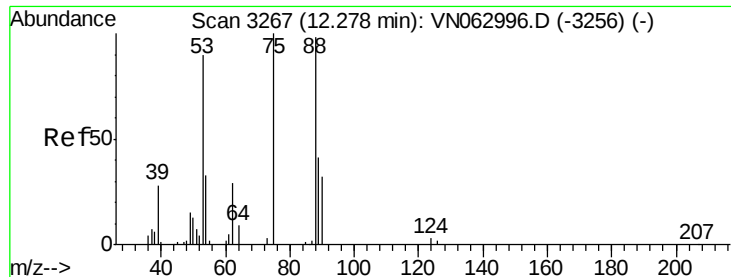
77 1.2 0.0 0.0#



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: 76.679 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063048.D

Acq: 20 Aug 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20200814

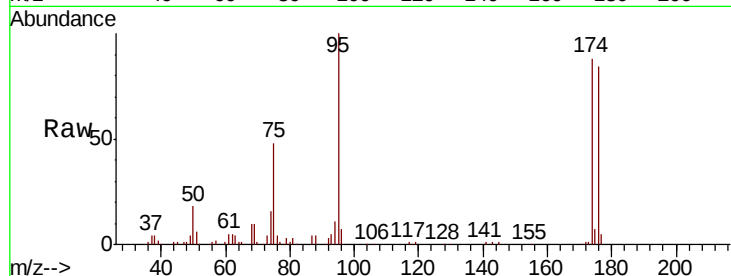
Tot Ion: 75 Resp: 46556

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

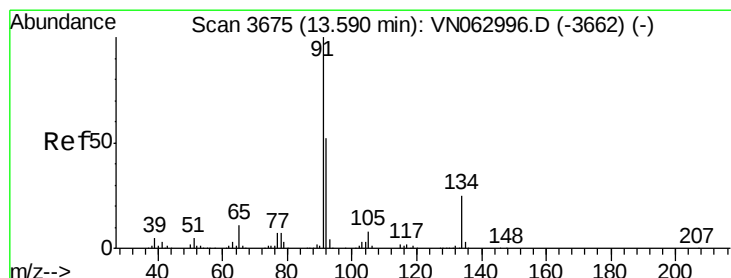
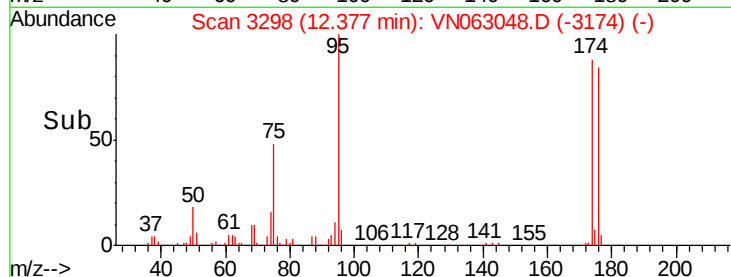
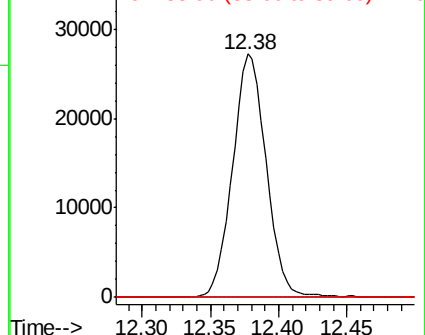
89 0.0 34.2 51.4#



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



#89

n-Butylbenzene

Concen: 2.803 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063048.D

Acq: 20 Aug 2020 21:14

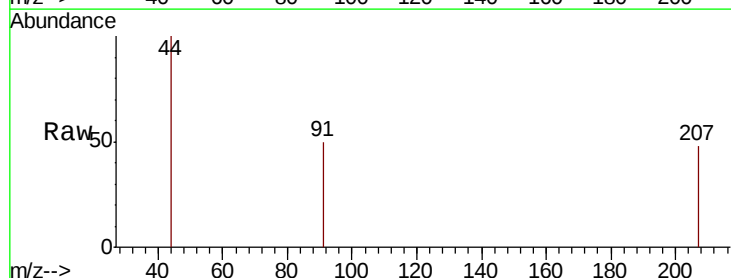
Tgt Ion: 91 Resp: 158

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

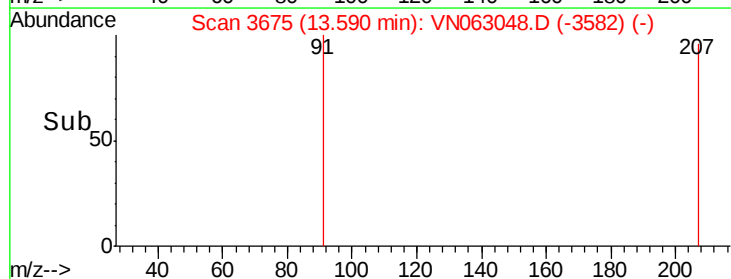
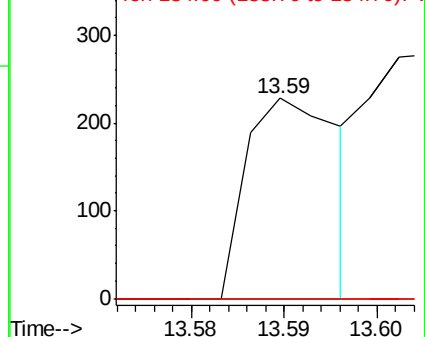
134 0.0 12.4 37.0#

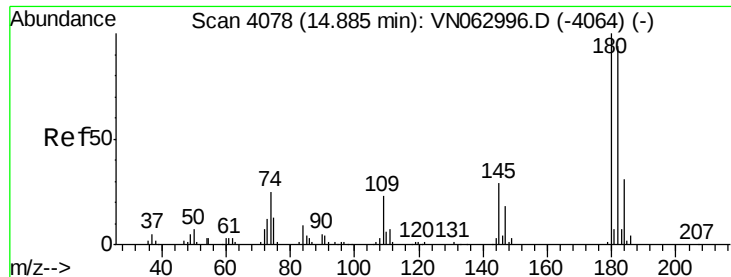


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

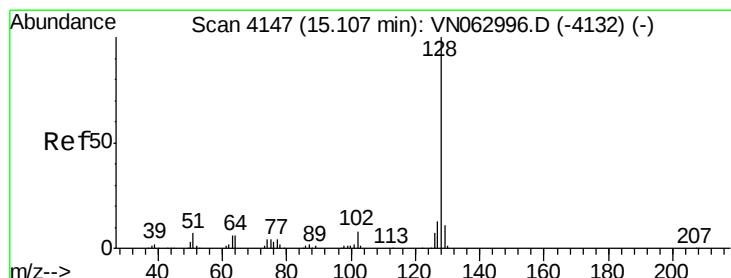
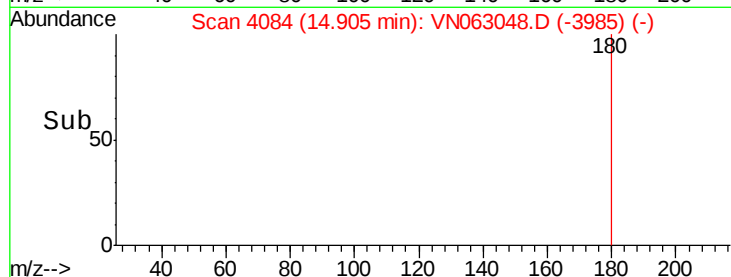
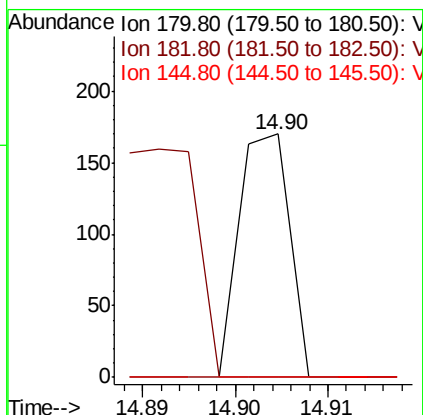
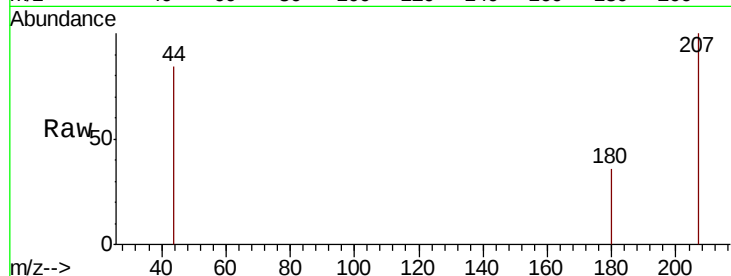




#93
 1,2,4-Trichlorobenzene
 Concen: 4.584 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.02 min
 Lab File: VN063048.D
 Acq: 20 Aug 2020 21:14

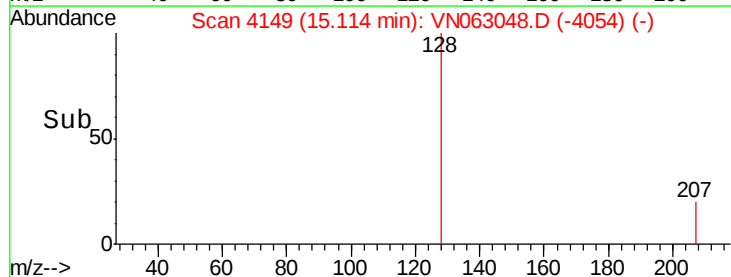
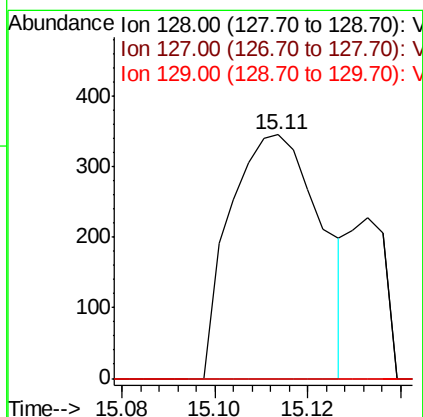
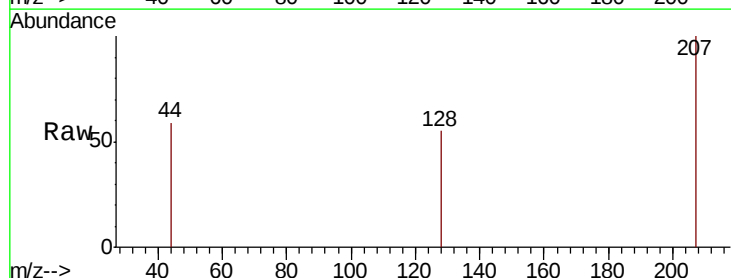
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20200814

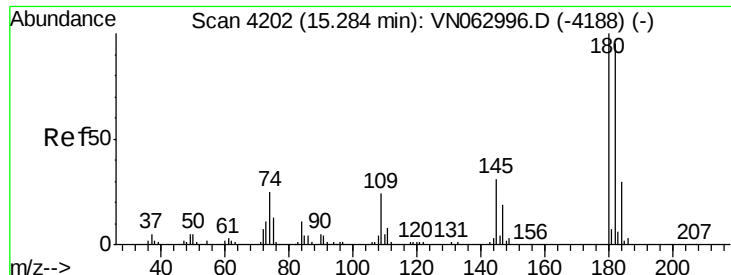
Tot Ion:180 Resp: 64
 Ion Ratio Lower Upper
 180 100
 182 189.1 47.0 141.2#
 145 0.0 14.1 42.4#



#95
 Naphthalene
 Concen: 5.764 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN063048.D
 Acq: 20 Aug 2020 21:14

Tgt Ion:128 Resp: 470
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.143 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.01 min
 Lab File: VN063048.D
 Acq: 20 Aug 2020 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20200814

Tot Ion:180 Resp: 281
 Ion Ratio Lower Upper
 180 100
 182 65.1 47.3 141.9
 145 0.0 15.6 46.7#

