

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063049.D
 Acq On : 20 Aug 2020 21:38
 Operator : JC/MD
 Sample : L3720-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Aug 21 06:38:02 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	140972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	233214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	239270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87589	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	95945	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
35) Dibromofluoromethane	7.55	113	82439	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
50) Toluene-d8	10.06	98	298653	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.38	95	99261	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

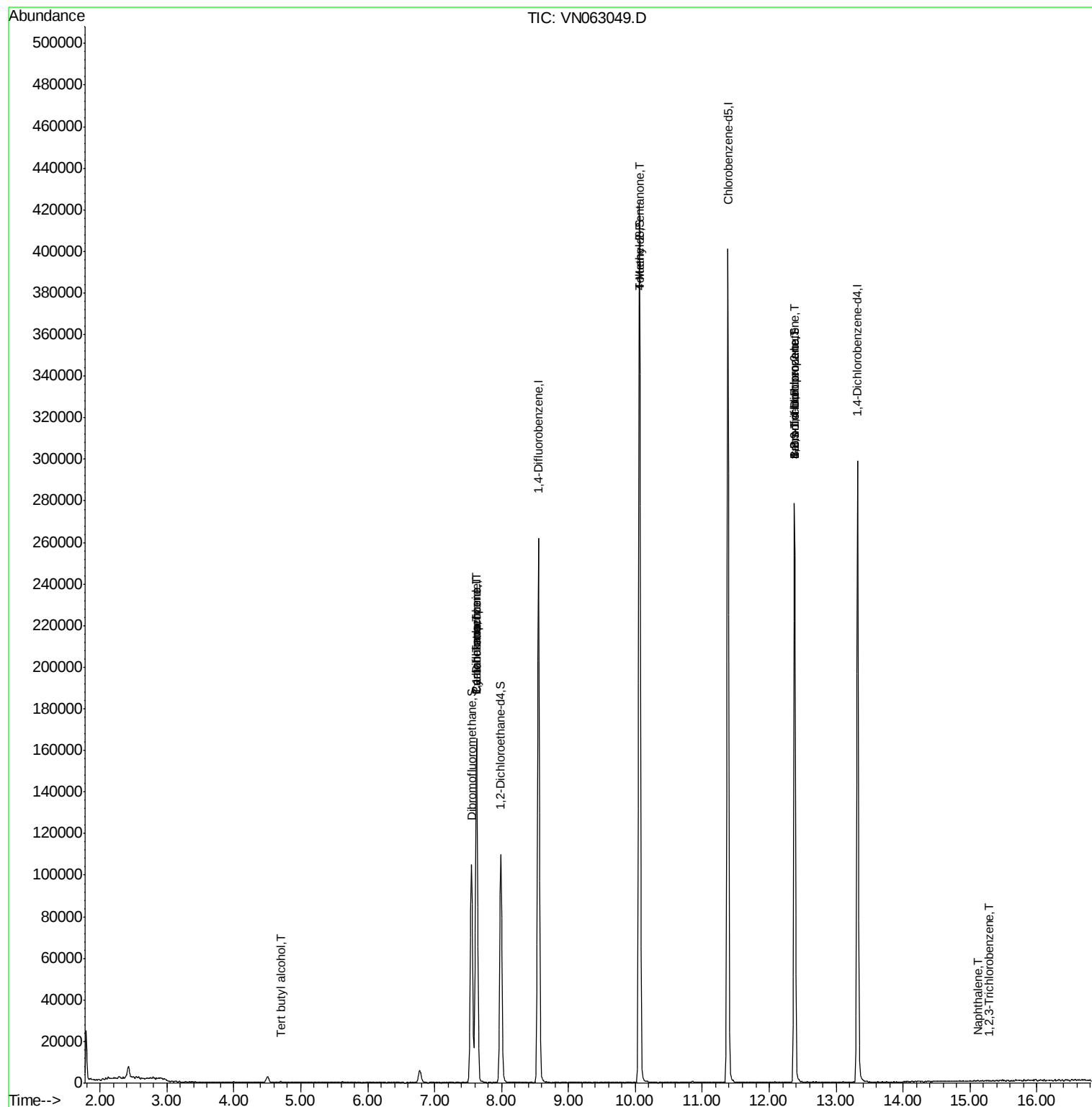
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	180	0.761	ug/l #	74
16) Acetone	3.82	43	30	Below Cal	#	40
31) Cyclohexane	7.63	56	2632	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10460	5.090	ug/l #	45
38) Carbon Tetrachloride	7.62	117	12861	6.198	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1199	0.595	ug/l #	1
71) Bromoform	12.38	173	846	0.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48174	28.296	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48174	77.712	ug/l #	15
95) Naphthalene	15.11	128	341	5.729	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	62	4.004	ug/l #	13

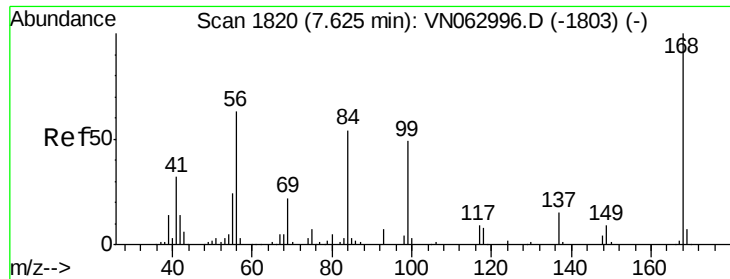
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063049.D

Acq: 20 Aug 2020 21:38

Instrument :

MSVOA_N

ClientSampled :

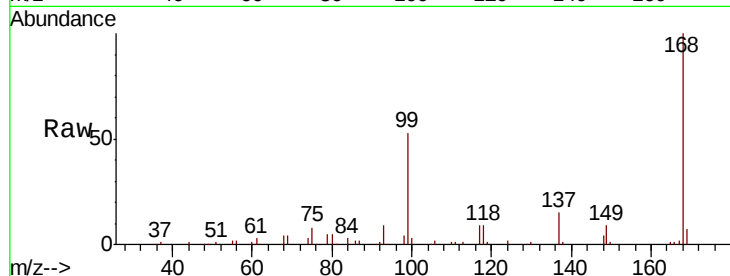
TB

Tot Ion:168 Resp: 140972

Ion Ratio Lower Upper

168 100

99 52.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

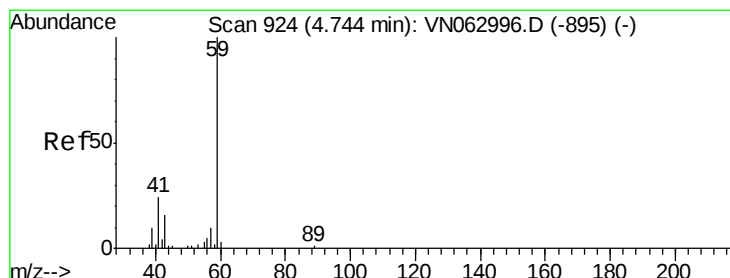
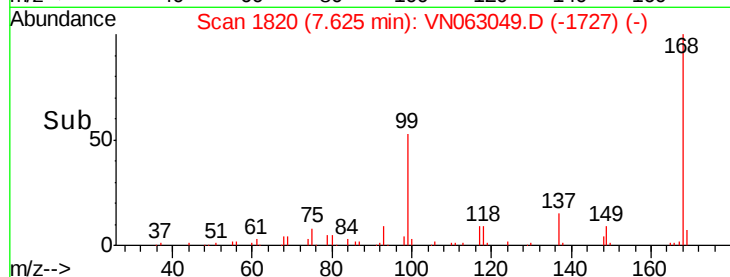
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.761 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.04 min

Lab File: VN063049.D

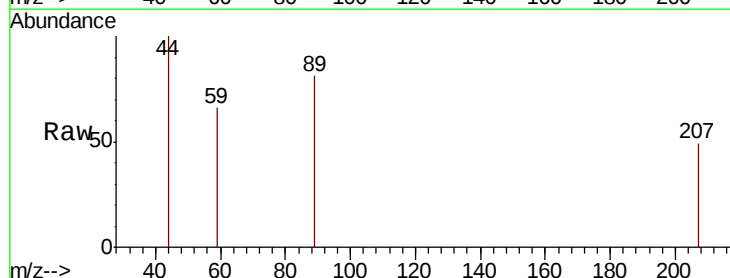
Acq: 20 Aug 2020 21:38

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.70

250

200

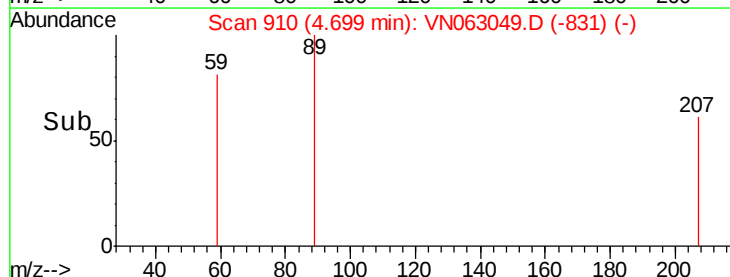
150

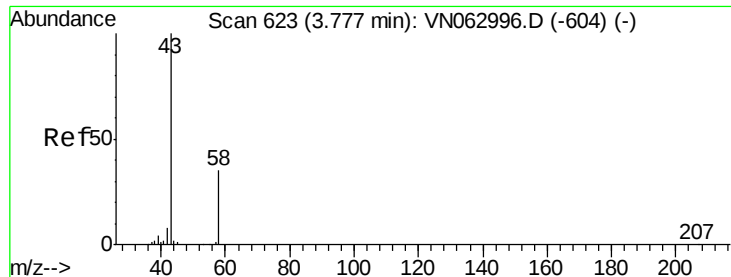
100

50

0

Time--> 4.68 4.69 4.70 4.71 4.72





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 635

Delta R.T. 0.04 min

Lab File: VN063049.D

Acq: 20 Aug 2020 21:38

Instrument :

MSVOA_N

ClientSampleId :

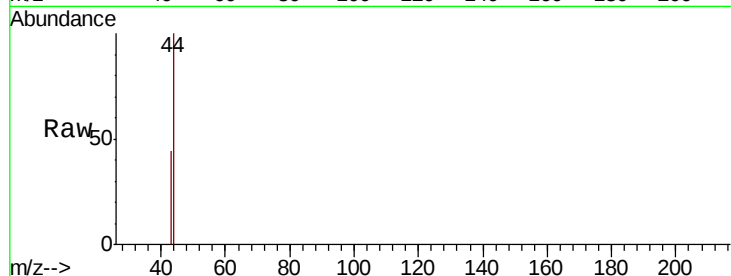
TB

Tot Ion: 43 Resp: 30

Ion Ratio Lower Upper

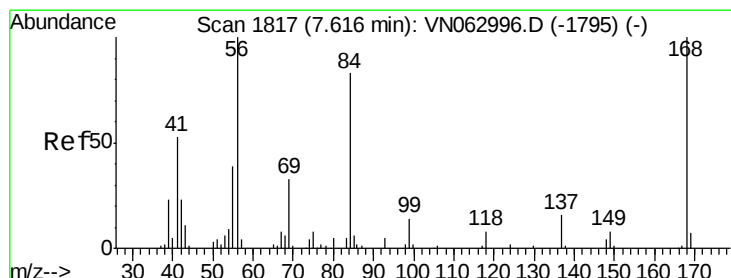
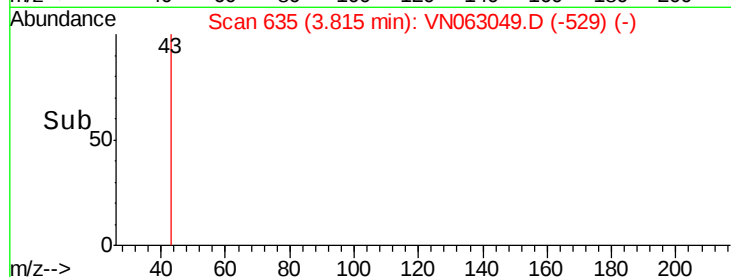
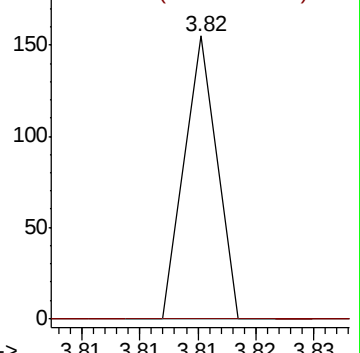
43 100

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



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN063049.D

Acq: 20 Aug 2020 21:38

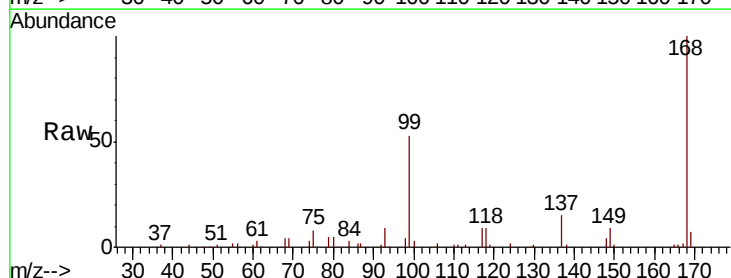
Tgt Ion: 56 Resp: 2632

Ion Ratio Lower Upper

56 100

69 202.8 26.6 40.0#

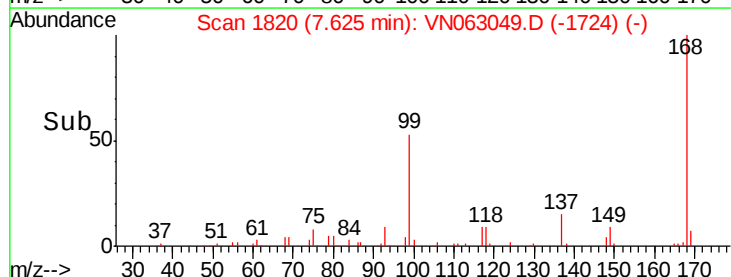
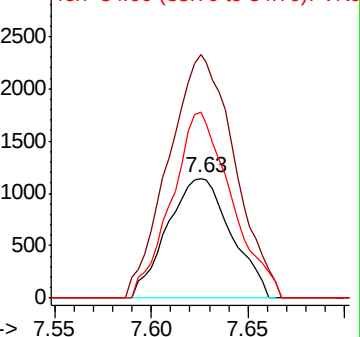
84 154.8 66.4 99.6#

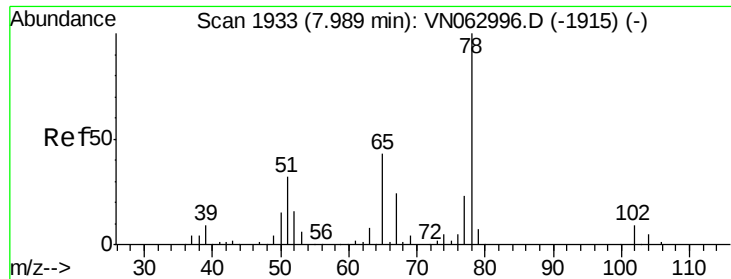


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

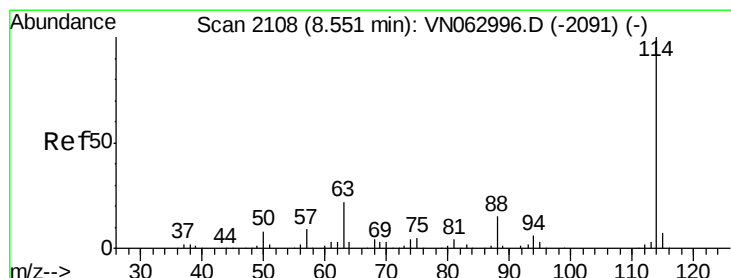
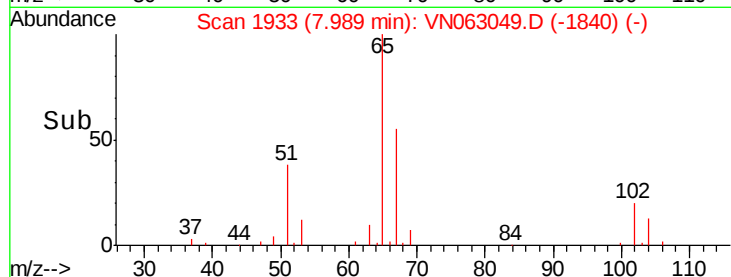
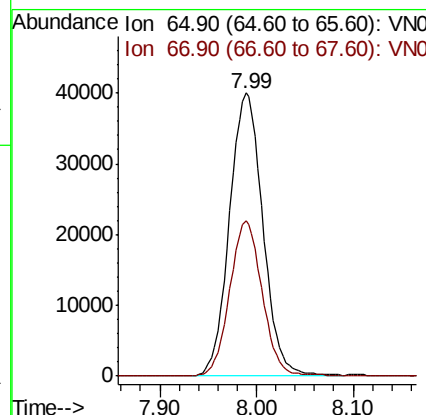
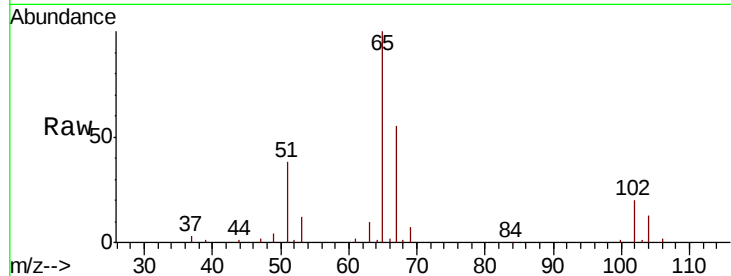




#33
 1,2-Dichloroethane-d4
 Concen: 57.425 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063049.D
 Acq: 20 Aug 2020 21:38

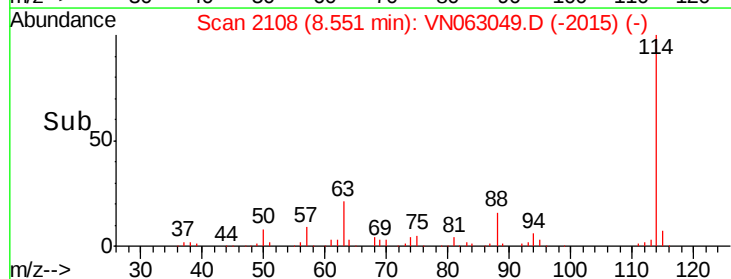
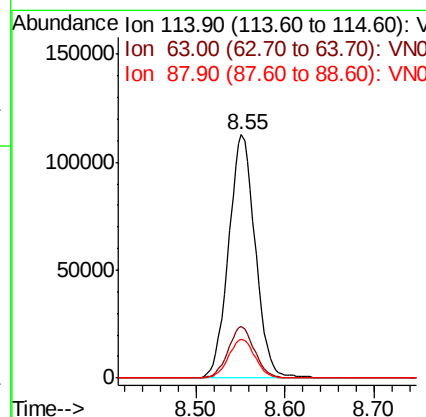
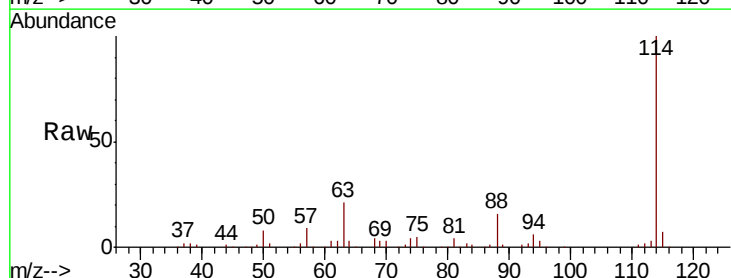
Instrument :
 MSVOA_N
 ClientSampleId :
 TB

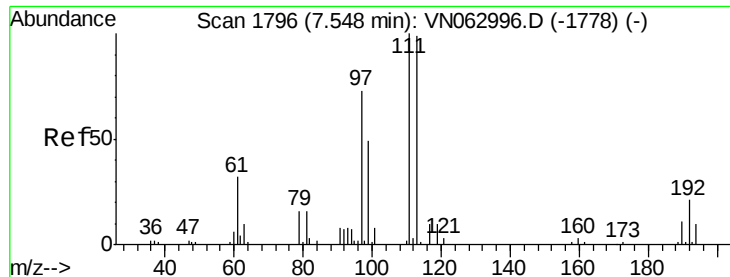
Tot Ion: 65 Resp: 95945
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063049.D
 Acq: 20 Aug 2020 21:38

Tgt Ion: 114 Resp: 233214
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 15.7 0.0 30.6

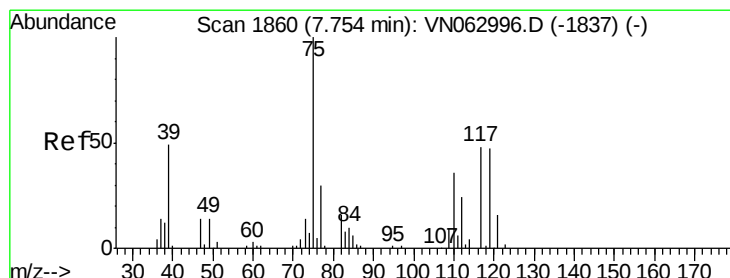
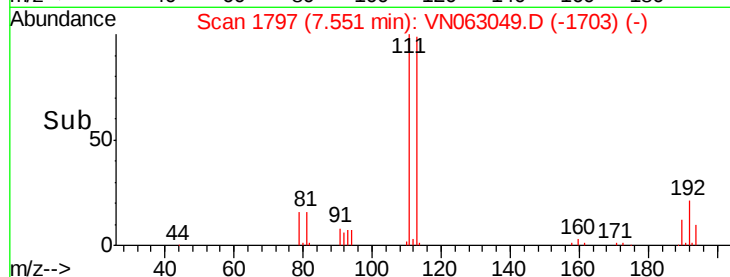
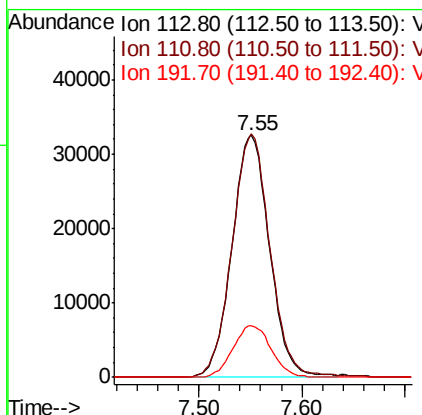
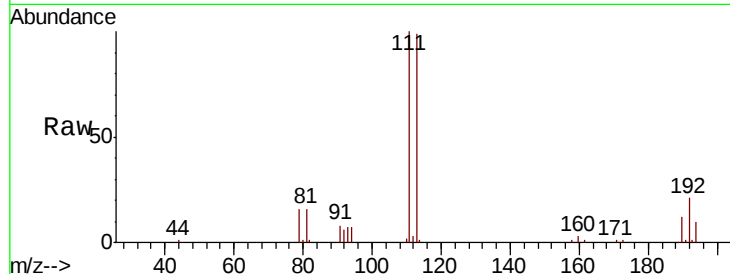




#35
Dibromofluoromethane
Concen: 54.250 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN063049.D
Acq: 20 Aug 2020 21:38

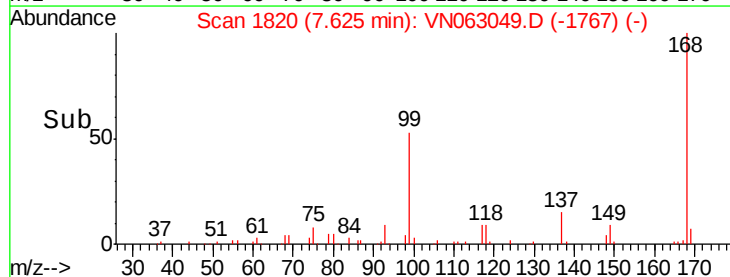
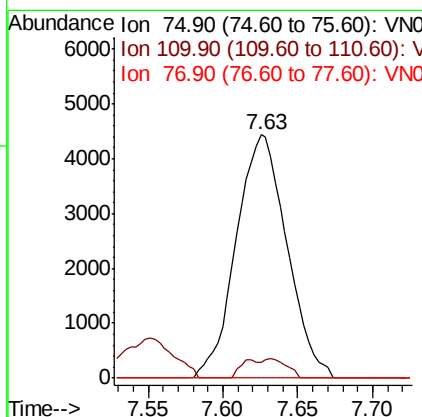
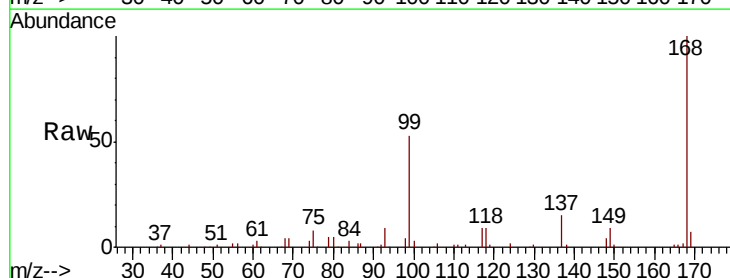
Instrument :
MSVOA_N
ClientSampleId :
TB

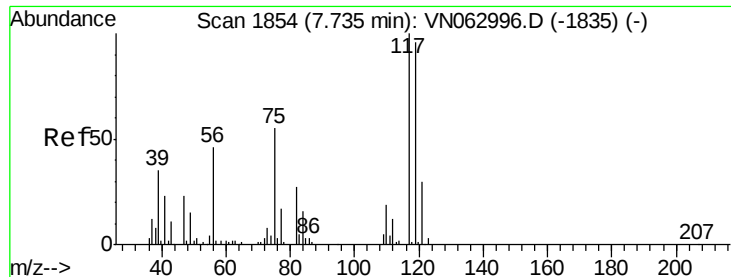
Tot Ion:113 Resp: 82439
Ion Ratio Lower Upper
113 100
111 101.8 81.7 122.5
192 21.5 17.5 26.3



#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN063049.D
Acq: 20 Aug 2020 21:38

Tgt Ion: 75 Resp: 10460
Ion Ratio Lower Upper
75 100
110 3.1 17.5 52.6#
77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.198 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN063049.D

Acq: 20 Aug 2020 21:38

Instrument :

MSVOA_N

ClientSampled :

TB

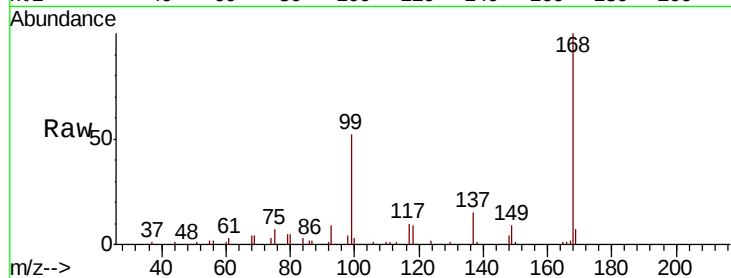
Tot Ion:117 Resp: 12861

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.4#

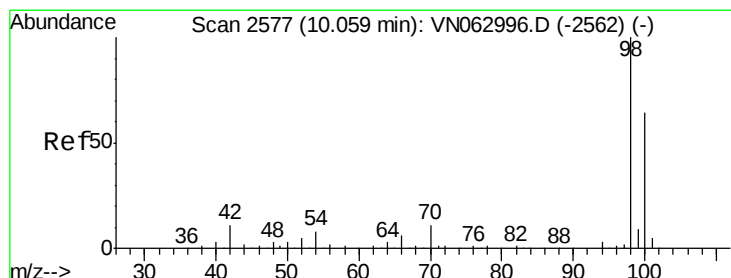
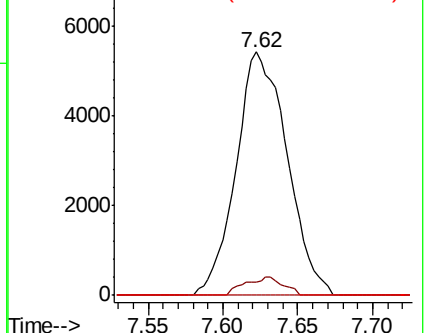
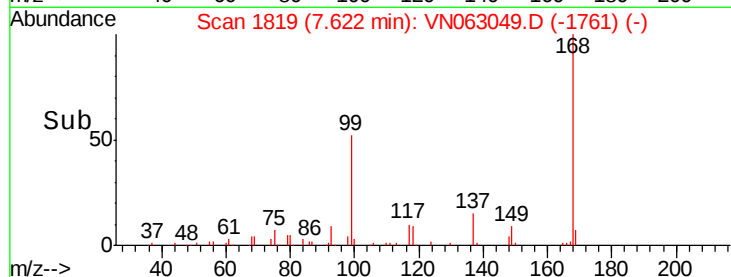
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 51.166 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063049.D

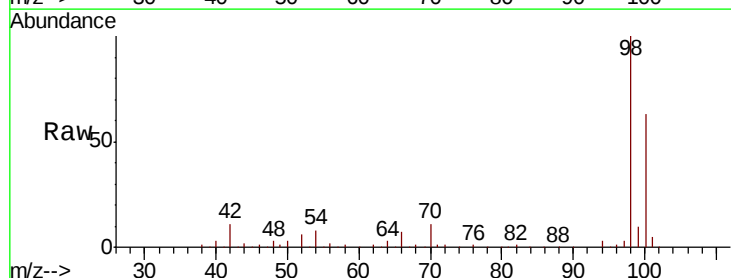
Acq: 20 Aug 2020 21:38

Tgt Ion: 98 Resp: 298653

Ion Ratio Lower Upper

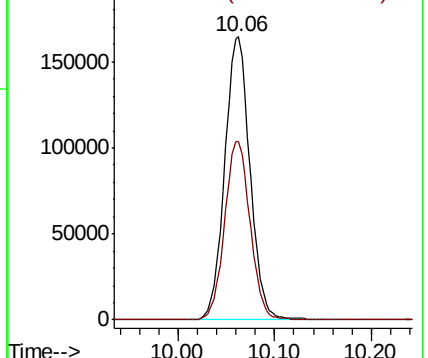
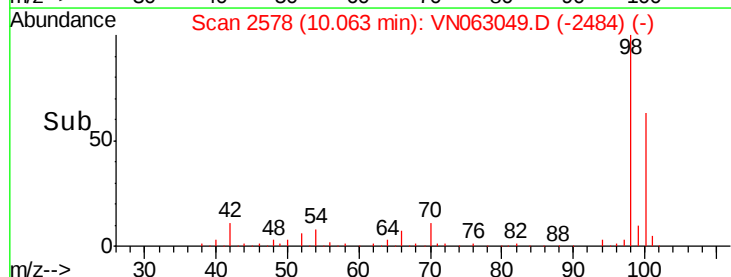
98 100

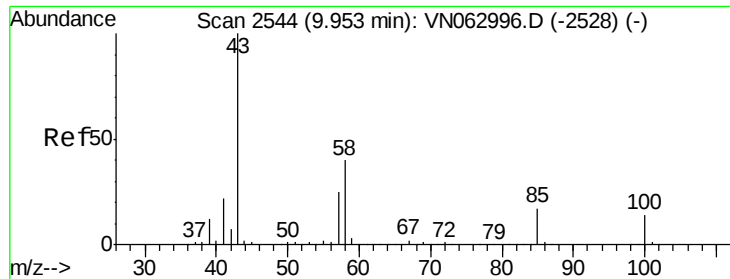
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

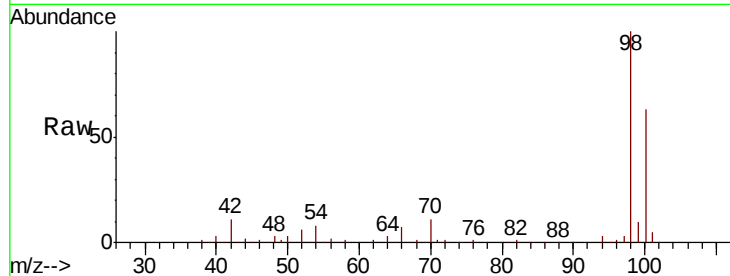




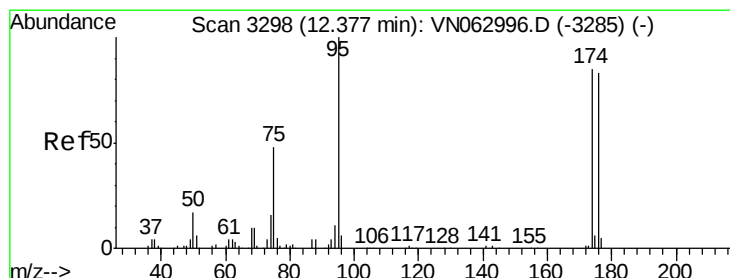
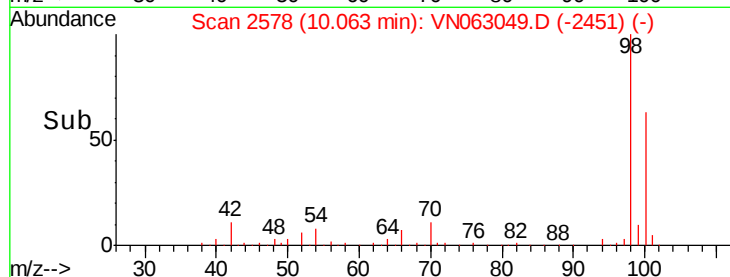
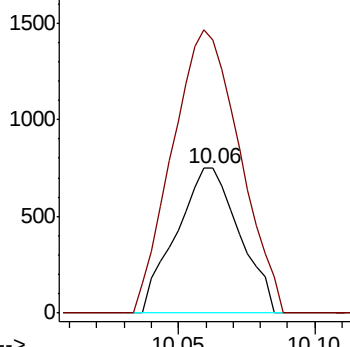
#51
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.11 min
Lab File: VN063049.D
Acq: 20 Aug 2020 21:38

Instrument :
MSVOA_N
ClientSampleId :
TB

Tot Ion: 43 Resp: 1199
Ion Ratio Lower Upper
43 100
58 209.2 32.2 48.2#

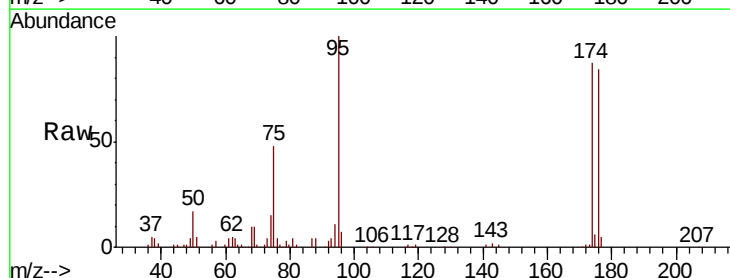


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

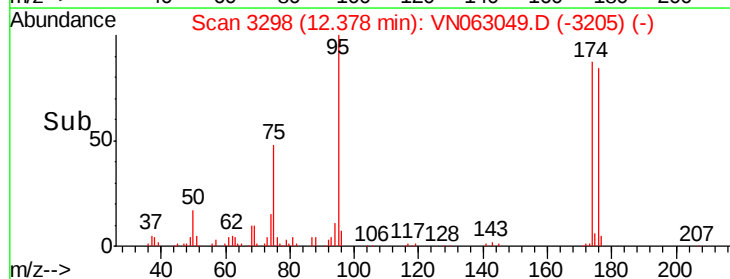
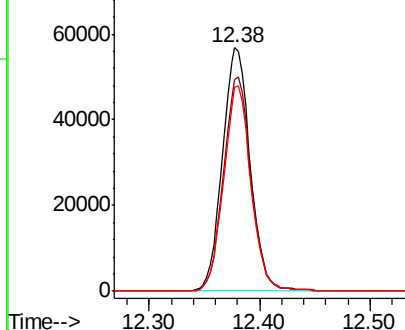


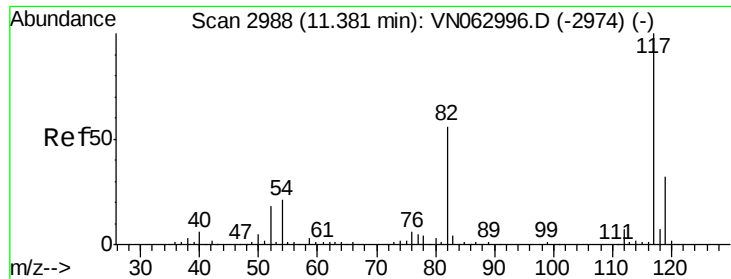
#62
4-Bromofluorobenzene
Concen: 48.191 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063049.D
Acq: 20 Aug 2020 21:38

Tgt Ion: 95 Resp: 99261
Ion Ratio Lower Upper
95 100
174 87.3 0.0 170.8
176 83.0 0.0 164.8



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

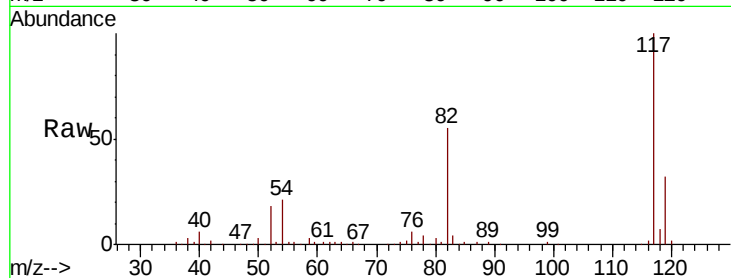




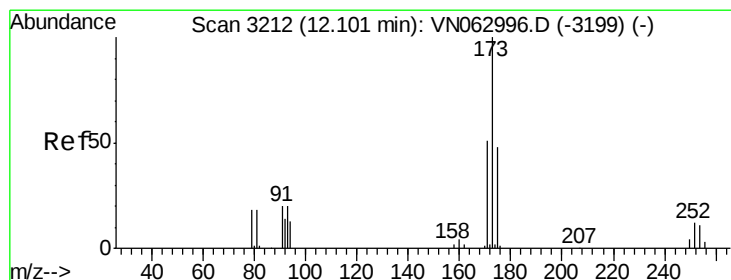
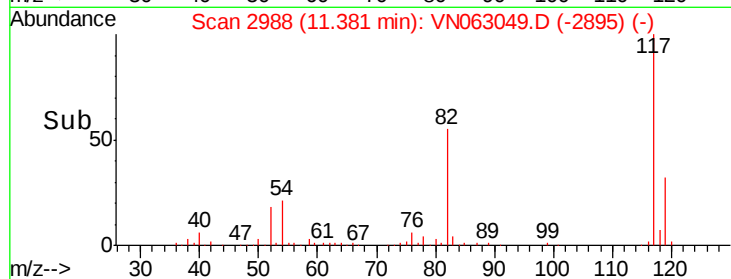
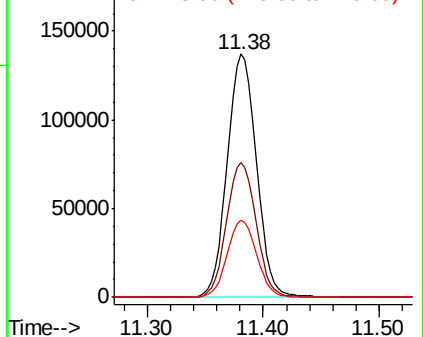
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN063049.D
 Acq: 20 Aug 2020 21:38

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Tot Ion:117 Resp: 239270
 Ion Ratio Lower Upper
 117 100
 82 55.2 44.5 66.7
 119 31.5 25.5 38.3

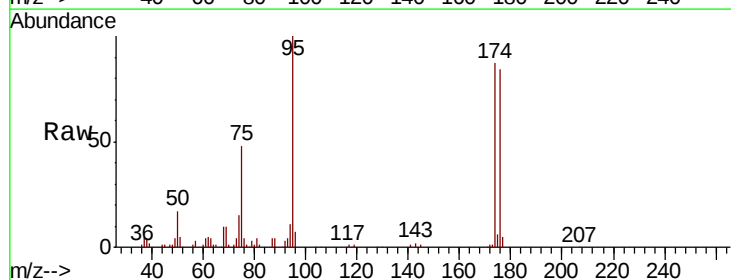


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

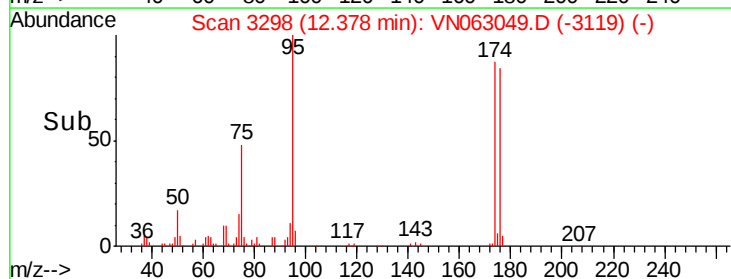
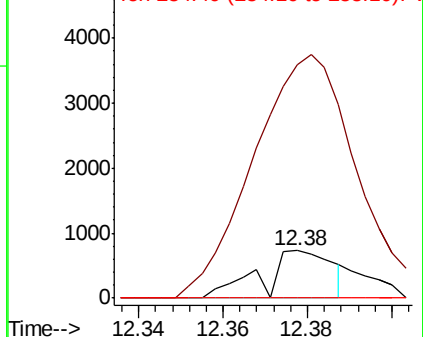


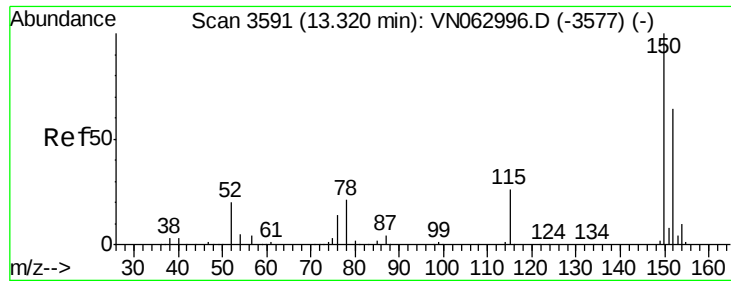
#71
 Bromoform
 Concen: 0.569 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.28 min
 Lab File: VN063049.D
 Acq: 20 Aug 2020 21:38

Tgt Ion:173 Resp: 846
 Ion Ratio Lower Upper
 173 100
 175 601.9 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: VN063049.D

Acq: 20 Aug 2020 21:38

Instrument :

MSVOA_N

ClientSampleId :

TB

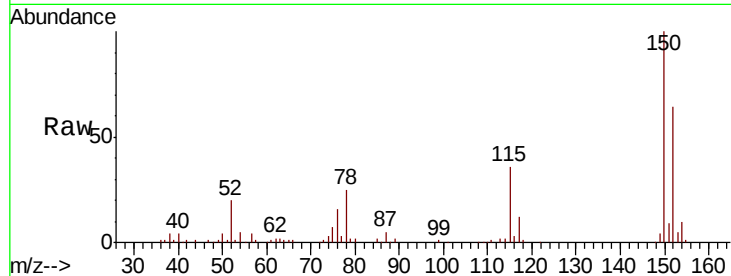
Tot Ion:152 Resp: 87589

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.3

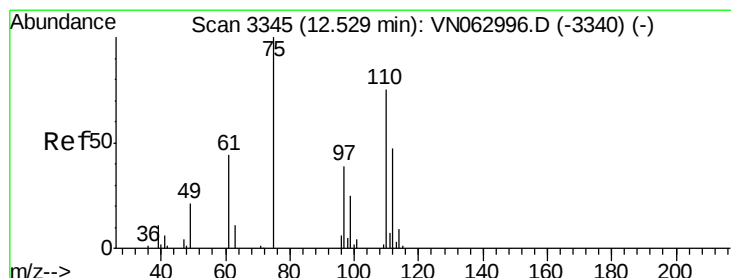
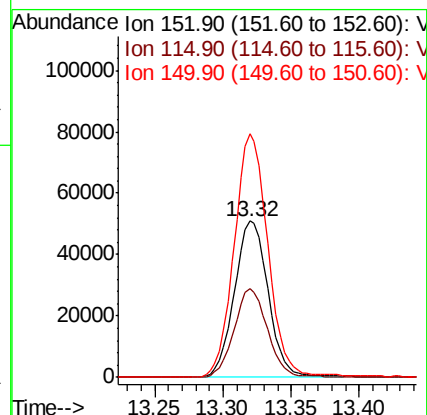
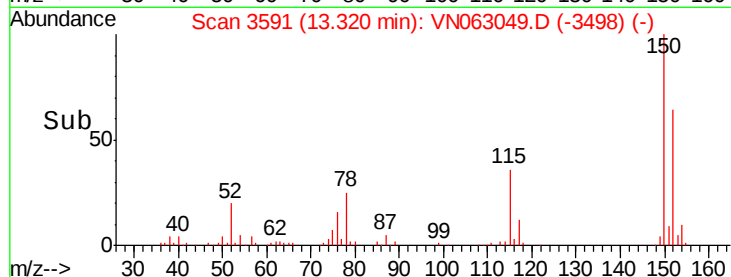
150 155.6 0.0 348.8



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: 28.296 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063049.D

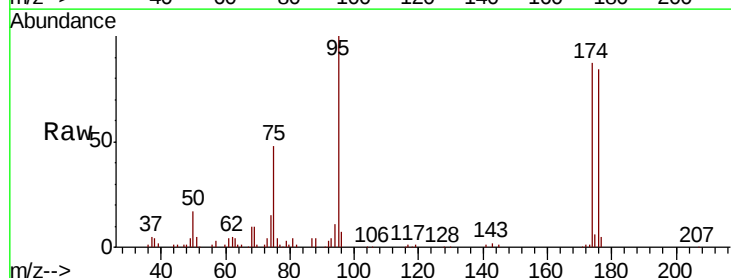
Acq: 20 Aug 2020 21:38

Tgt Ion: 75 Resp: 48174

Ion Ratio Lower Upper

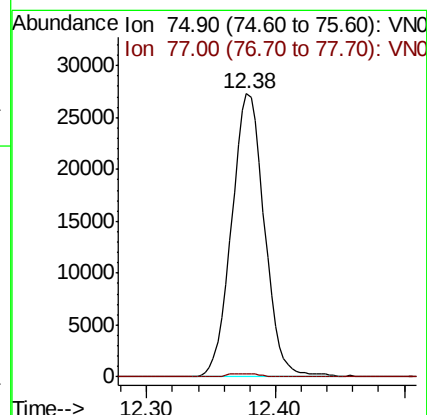
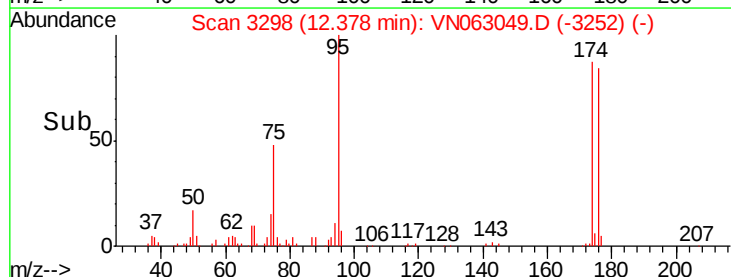
75 100

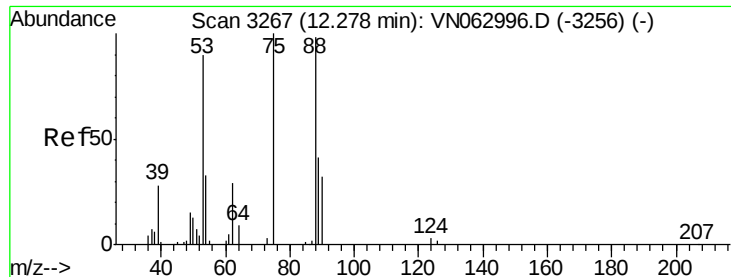
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

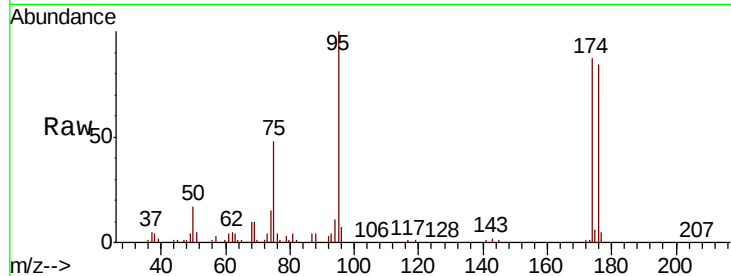




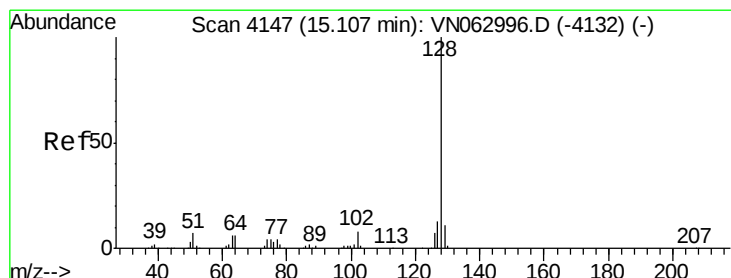
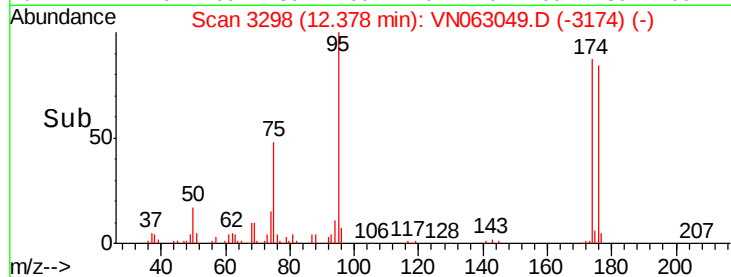
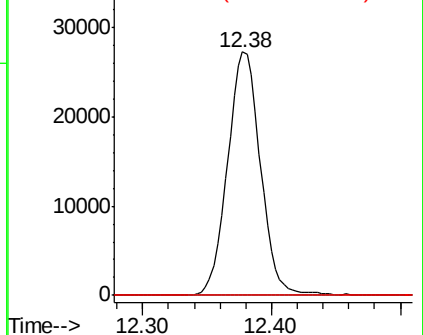
#81
trans-1,4-Dichloro-2-butene
Concen: 77.712 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN063049.D
Acq: 20 Aug 2020 21:38

Instrument :
MSVOA_N
ClientSampled :
TB

Tot Ion: 75 Resp: 48174
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 34.2 51.4#

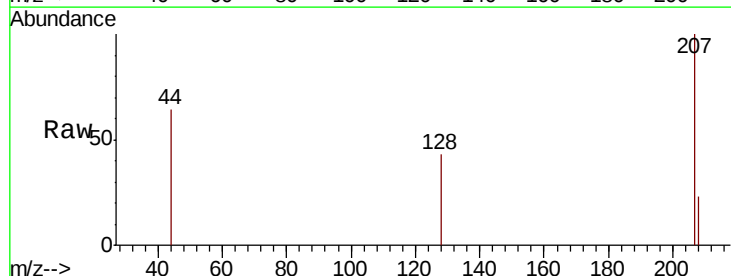


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

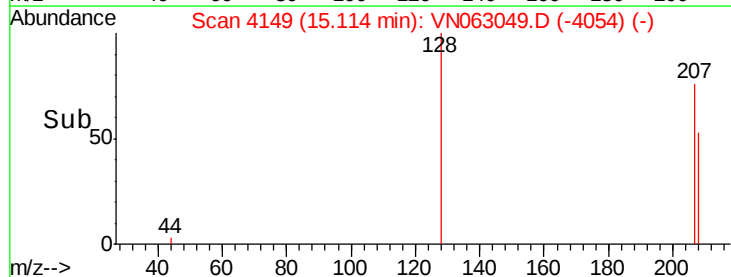
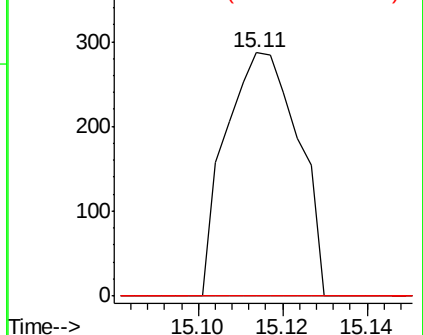


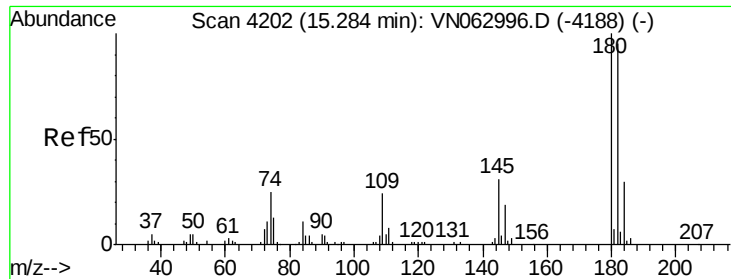
#95
Naphthalene
Concen: 5.729 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN063049.D
Acq: 20 Aug 2020 21:38

Tgt Ion: 128 Resp: 341
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.9 13.3#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 4.004 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN063049.D
 Acq: 20 Aug 2020 21:38

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	15.6	46.7#

