

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062026.D
 Acq On : 23 Jun 2020 3:10
 Operator : JC/MD
 Sample : L3033-07 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF001MW003-200616

Quant Time: Jun 23 05:25:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	160056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	291192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	282453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116221	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	106876	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.55	113	91743	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.06	98	361497	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	128262	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	

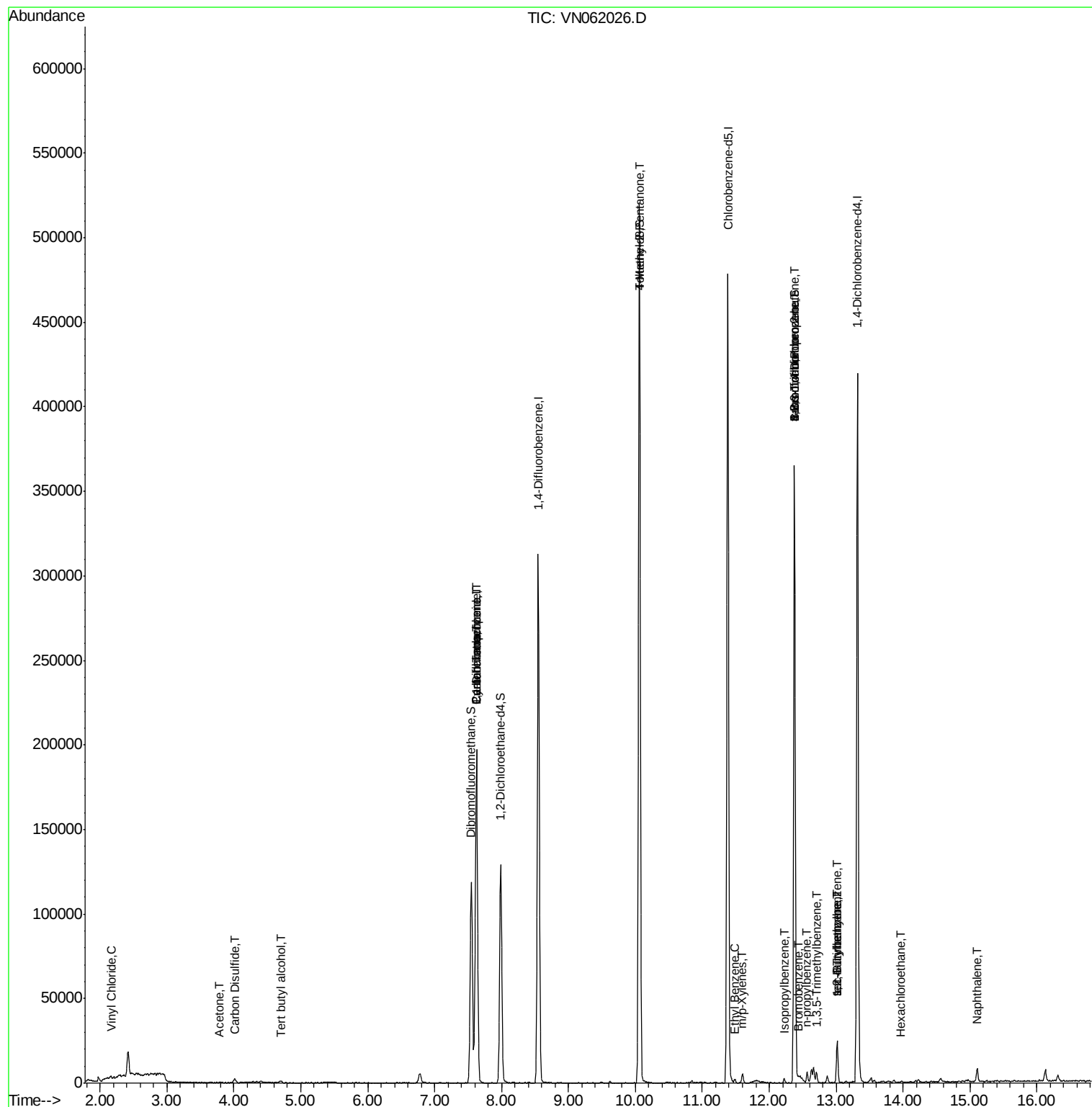
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	742	0.280	ug/l #	60
11) Tert butyl alcohol	4.71	59	272	0.916	ug/l #	74
16) Acetone	3.79	43	475	0.749	ug/l #	40
17) Carbon Disulfide	4.01	76	5013	1.054	ug/l	98
31) Cyclohexane	7.62	56	3526	1.246	ug/l #	3
36) 1,1-Dichloropropene	7.62	75	12335	4.644	ug/l #	48
38) Carbon Tetrachloride	7.63	117	15229	5.790	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1667	0.807	ug/l #	1
67) Ethyl Benzene	11.49	91	2408	0.241	ug/l #	87
68) m/p-Xylenes	11.60	106	2147	0.557	ug/l	99
71) Bromoform	12.37	173	1252	0.826	ug/l #	1
73) Isopropylbenzene	12.22	105	2575	0.312	ug/l	91
76) 1,2,3-Trichloropropane	12.38	75	63801	27.962	ug/l #	100
77) Bromobenzene	12.43	156	422	0.203	ug/l #	1
78) n-propylbenzene	12.57	91	5190	0.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	4058	0.594	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.38	75	63801	76.264	ug/l #	14
83) tert-Butylbenzene	13.02	119	2092	0.361	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.01	105	14403	2.135	ug/l	99
85) sec-Butylbenzene	13.01	105	14403	1.900	ug/l #	56
90) Hexachloroethane	13.98	117	249	0.201	ug/l #	15
95) Naphthalene	15.10	128	7198	4.641	ug/l	98

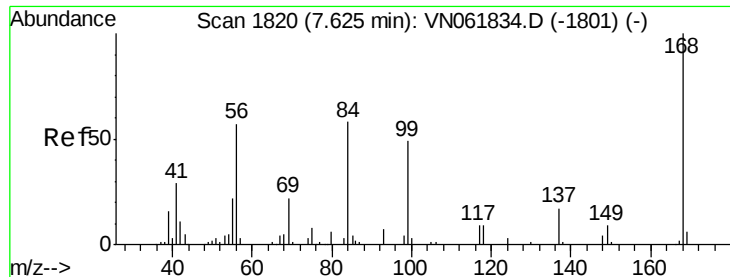
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062220\
Data File : VN062026.D
Acq On : 23 Jun 2020 3:10
Operator : JC/MD
Sample : L3033-07 100X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LF001MW003-200616

Quant Time: Jun 23 05:25:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
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: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

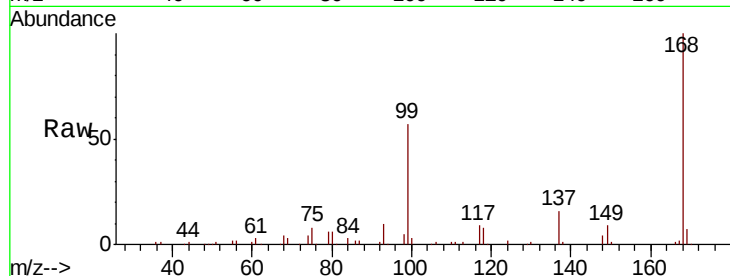
LF001MW003-200616

Tot Ion:168 Resp: 160056

Ion Ratio Lower Upper

168 100

99 57.0 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

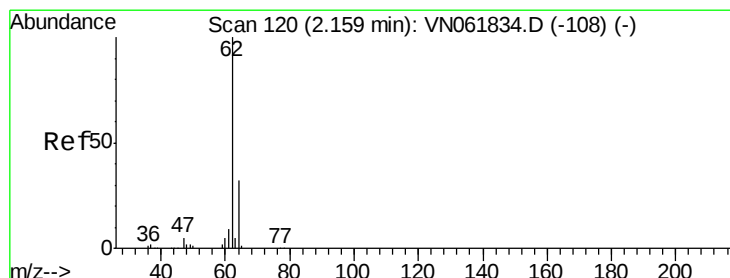
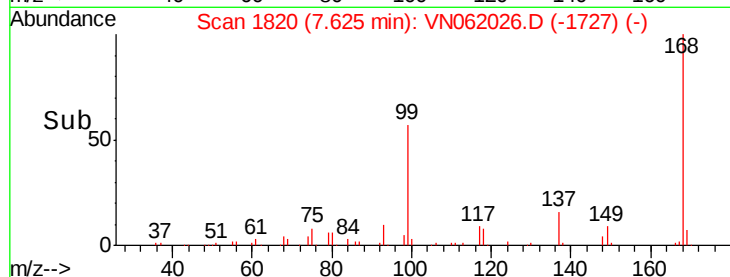
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 0.280 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN062026.D

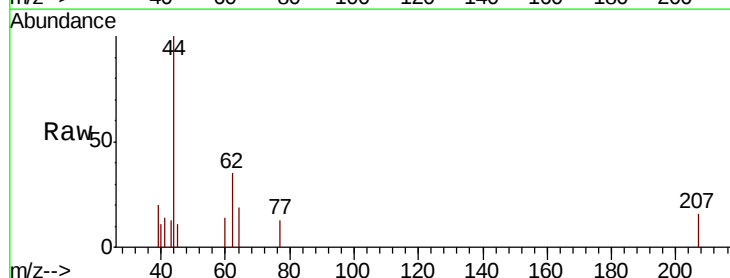
Acq: 23 Jun 2020 3:10

Tgt Ion: 62 Resp: 742

Ion Ratio Lower Upper

62 100

64 54.2 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

600

500

400

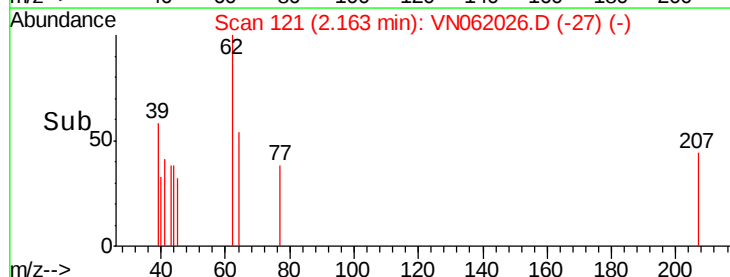
300

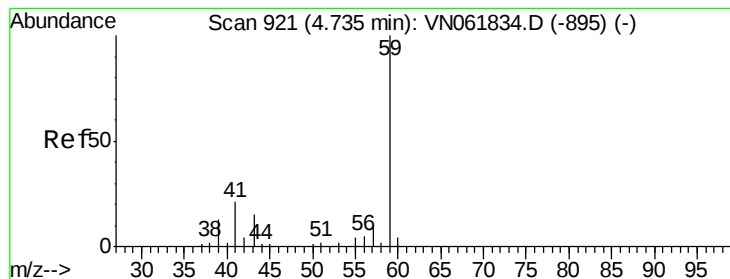
200

100

0

Time--> 2.12 2.14 2.16 2.18



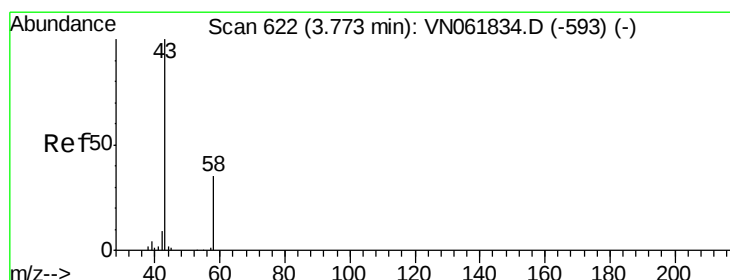
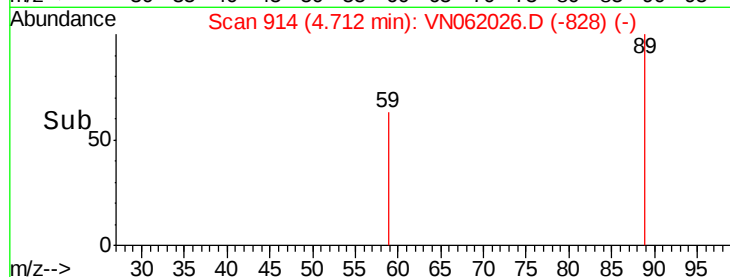
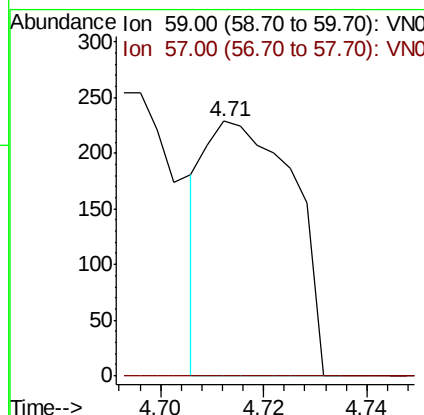
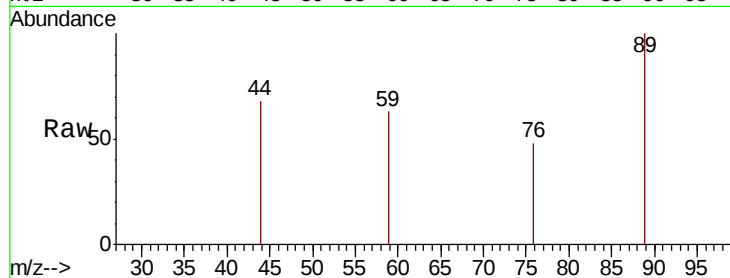


#11

Tert butyl alcohol
 Concen: 0.916 ug/l
 RT: 4.71 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

Instrument :
 MSVOA_N
 ClientSampleId :
 LF001MW003-200616

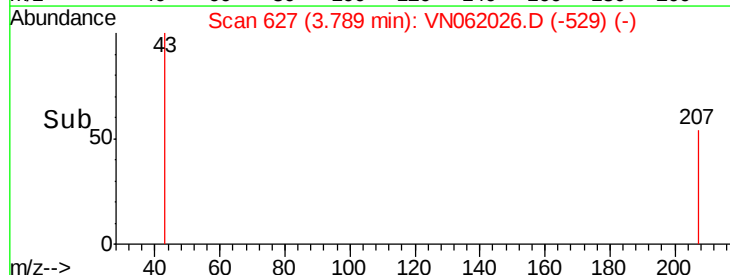
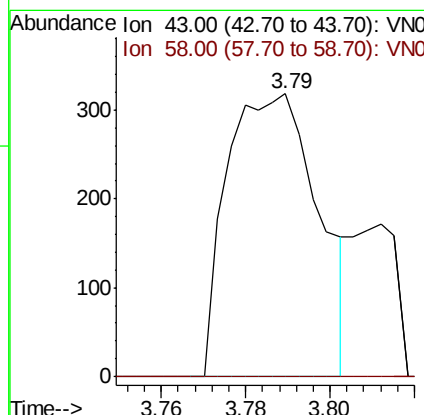
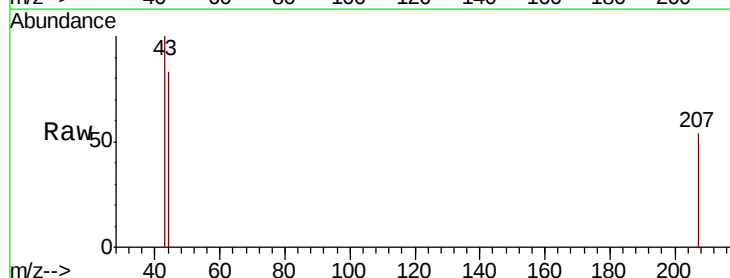
Tot Ion: 59 Resp: 272
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

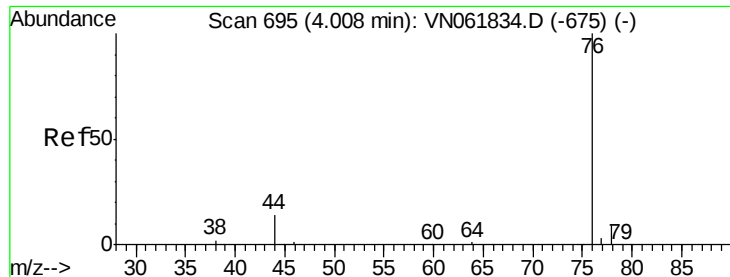


#16

Acetone
 Concen: 0.749 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.02 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

Tgt Ion: 43 Resp: 475
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8#





#17

Carbon Disulfide

Concen: 1.054 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

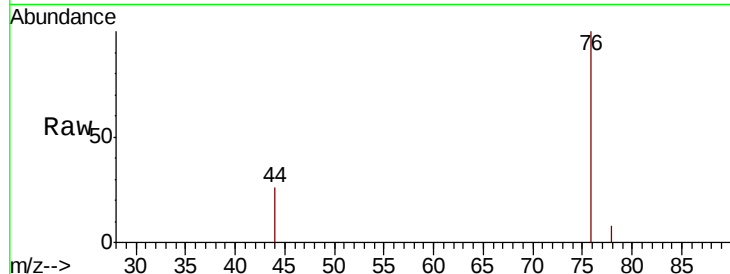
LF001MW003-200616

Tot Ion: 76 Resp: 5013

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

2000

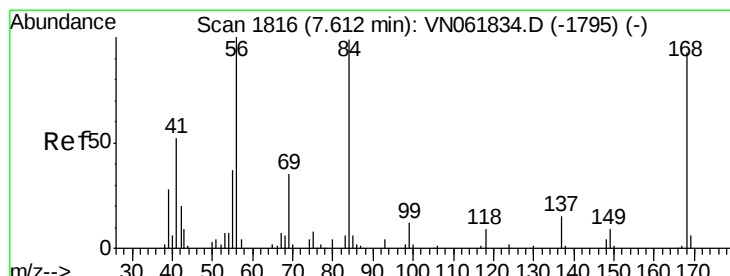
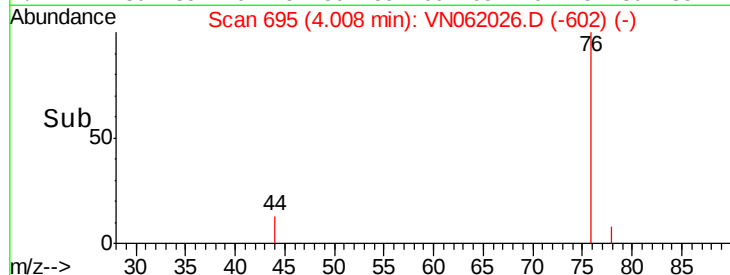
1500

1000

500

0

Time-->



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

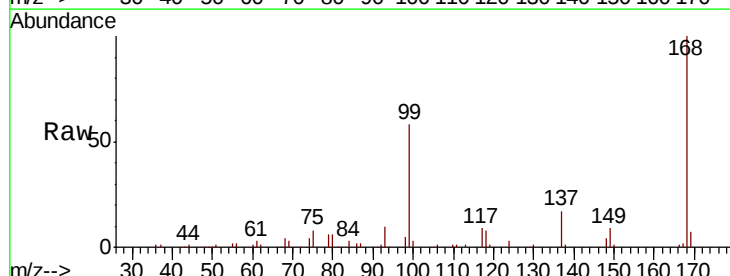
Tgt Ion: 56 Resp: 3526

Ion Ratio Lower Upper

56 100

69 156.3 27.7 41.5#

84 156.3 79.1 118.7#



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

3000

2500

2000

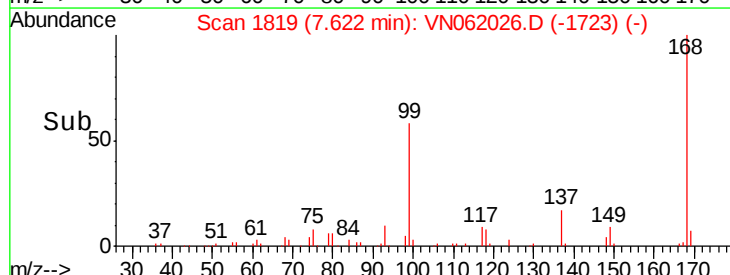
1500

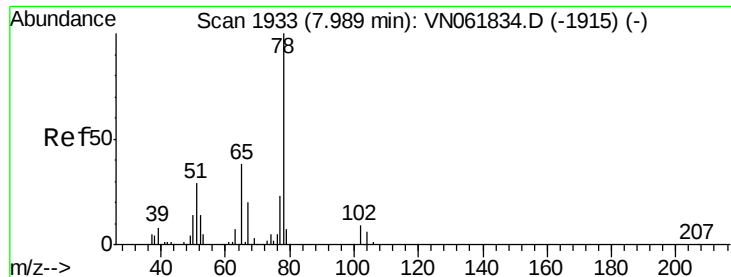
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.789 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

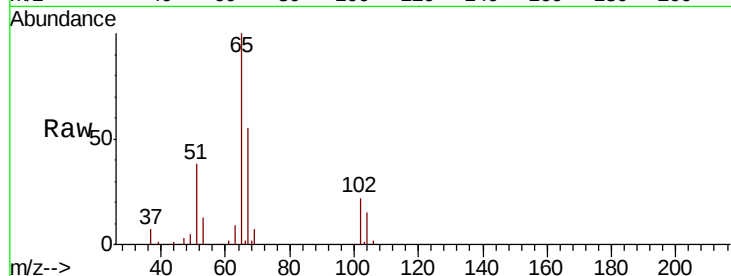
LF001MW003-200616

Tot Ion: 65 Resp: 106876

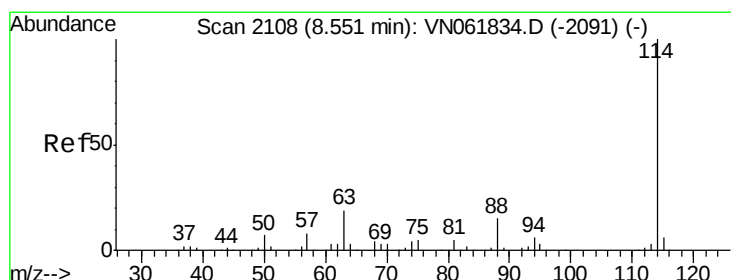
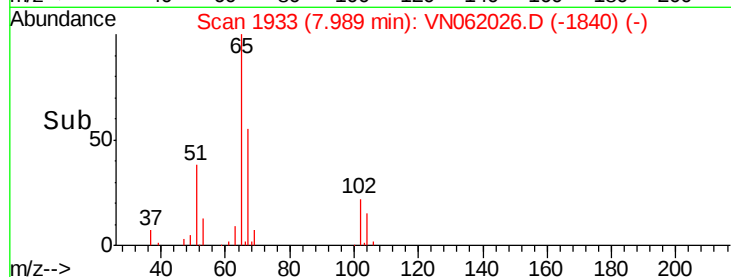
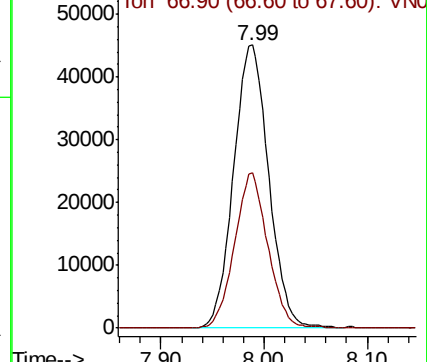
Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

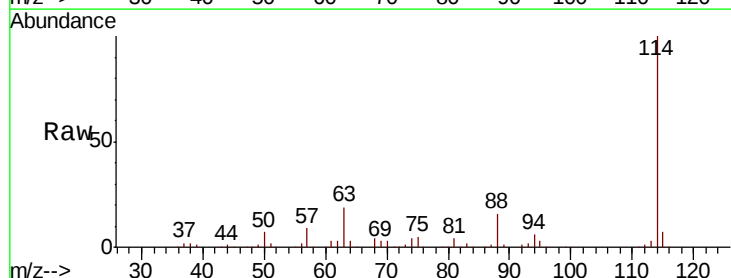
Tgt Ion: 114 Resp: 291192

Ion Ratio Lower Upper

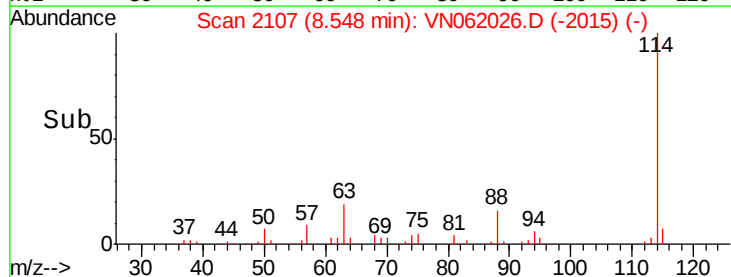
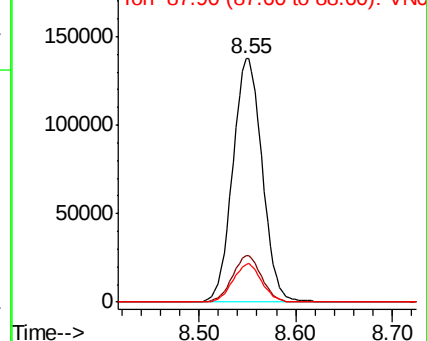
114 100

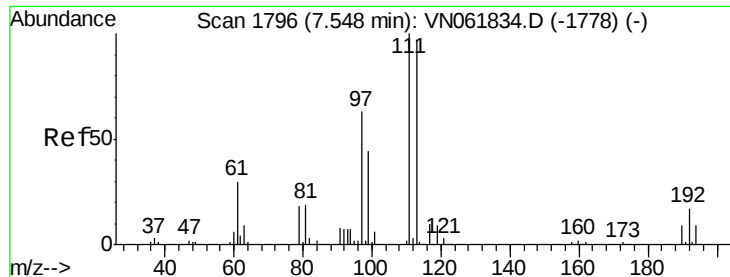
63 19.2 0.0 37.6

88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061834.D (-2091) (-)

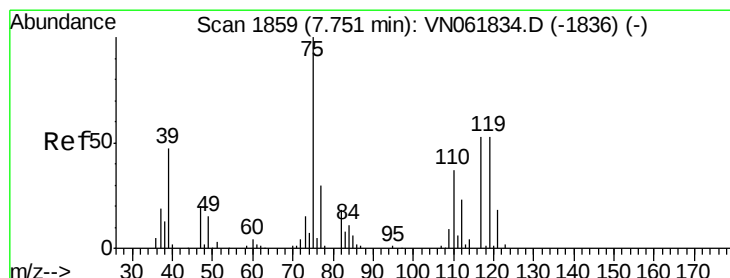
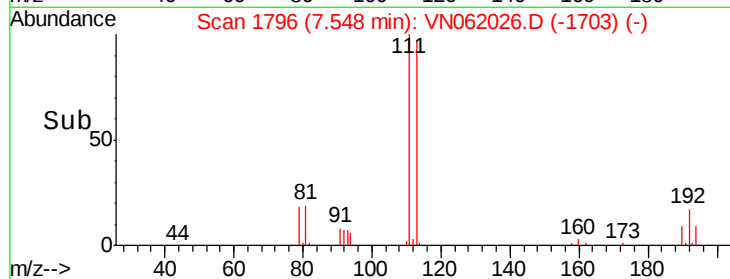
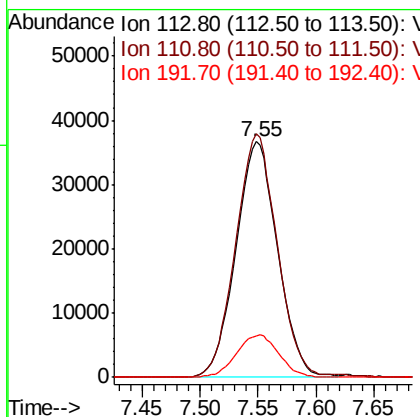
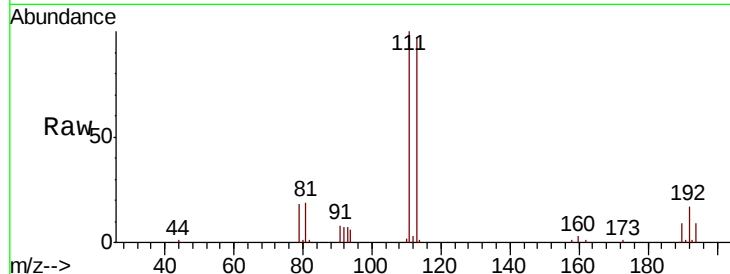




#35
 Dibromofluoromethane
 Concen: 49.248 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

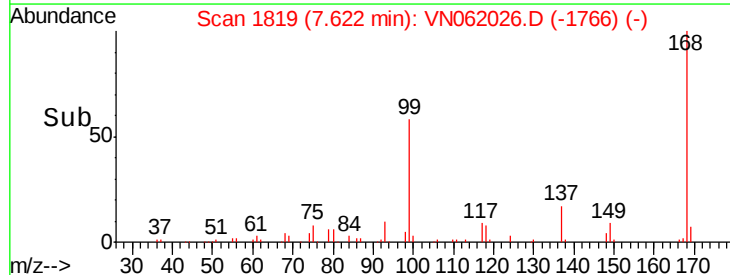
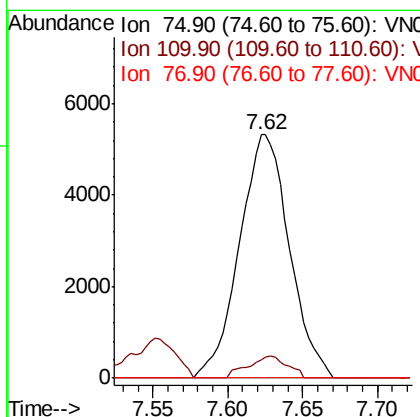
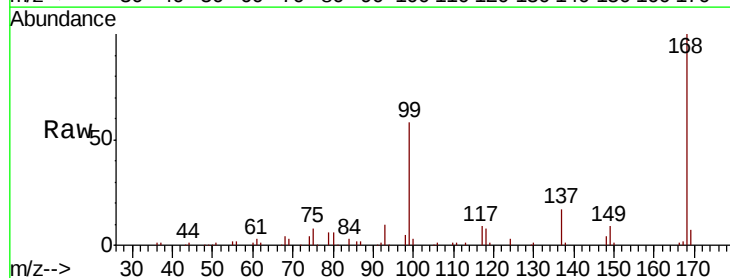
Instrument :
 MSVOA_N
 ClientSampleId :
 LF001MW003-200616

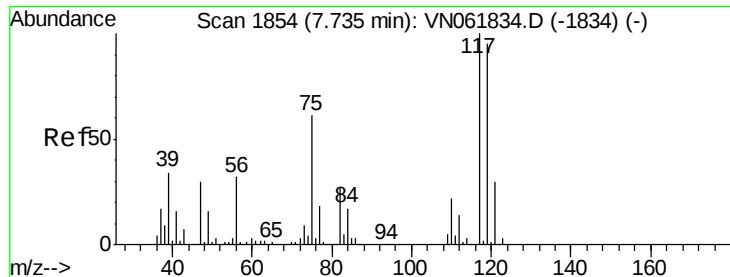
Tot Ion:113 Resp: 91743
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.7 125.5
 192 18.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.644 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

Tgt Ion: 75 Resp: 12335
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.2 54.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

LF001MW003-200616

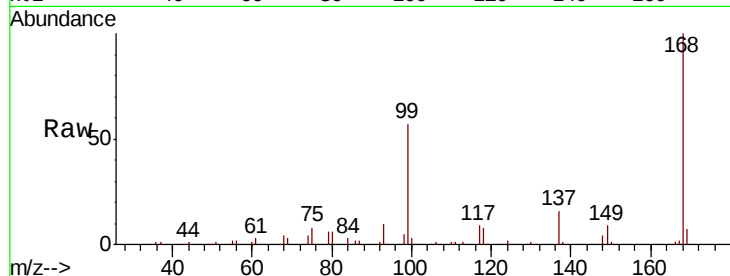
Tot Ion:117 Resp: 15229

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

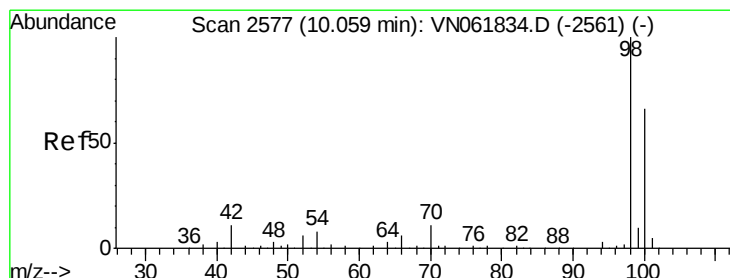
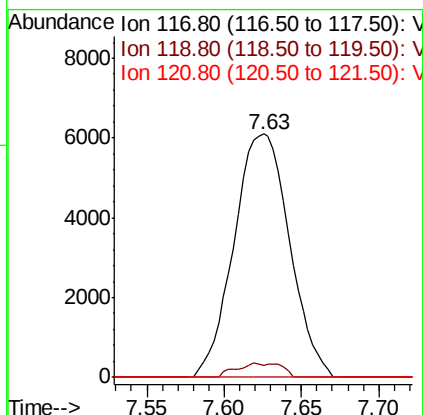
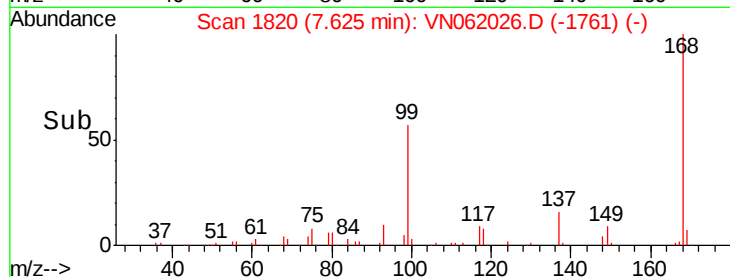
121 0.0 23.8 35.6#



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: 49.359 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062026.D

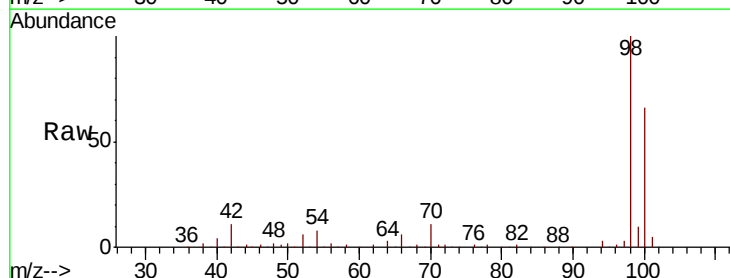
Acq: 23 Jun 2020 3:10

Tgt Ion: 98 Resp: 361497

Ion Ratio Lower Upper

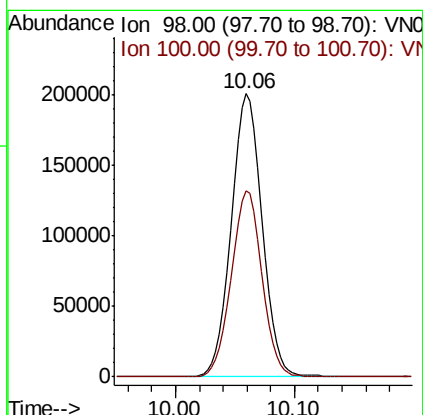
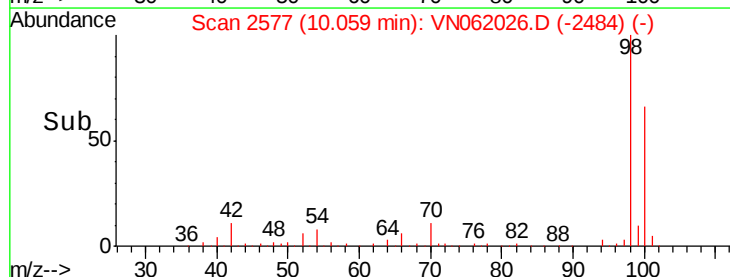
98 100

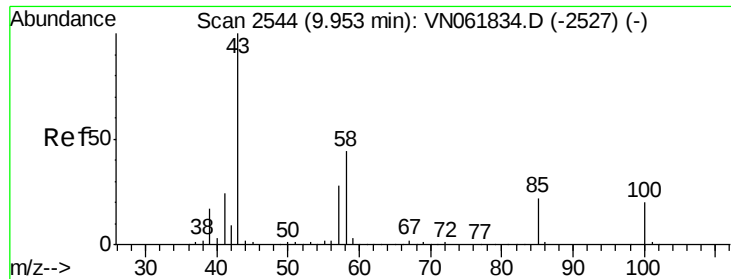
100 65.3 52.7 79.1



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: 0.807 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

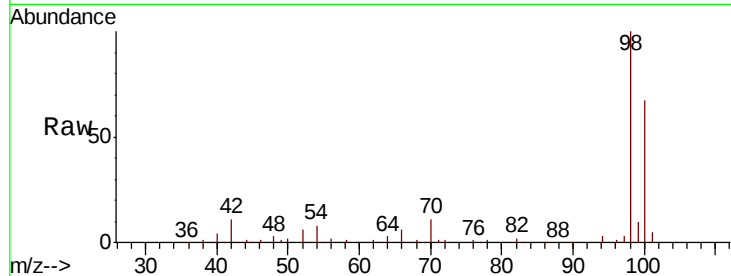
LF001MW003-200616

Tot Ion: 43 Resp: 1667

Ion Ratio Lower Upper

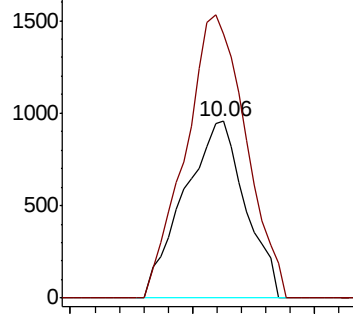
43 100

58 158.2 34.6 52.0#

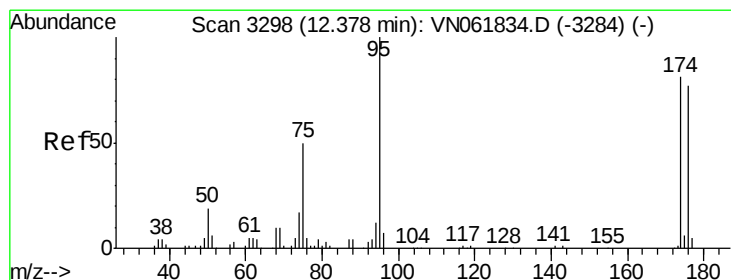
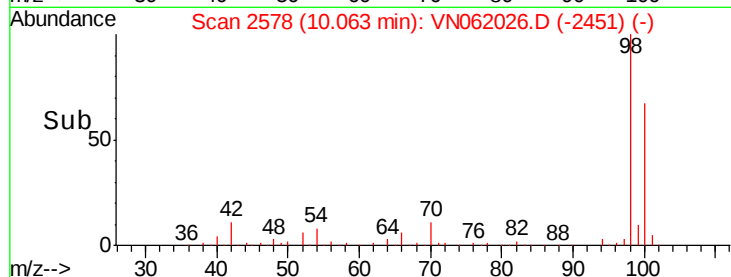


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 51.056 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

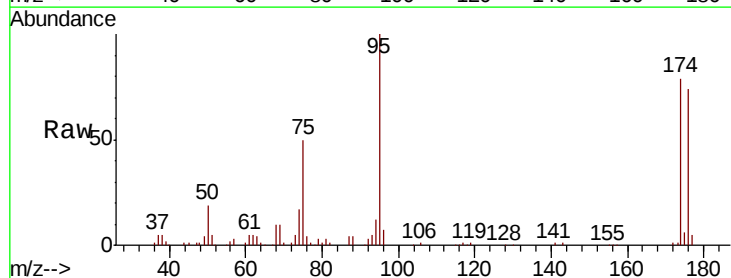
Tgt Ion: 95 Resp: 128262

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.6

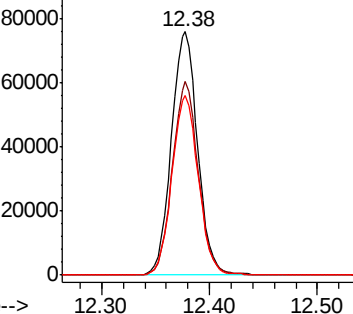
176 74.1 0.0 152.0



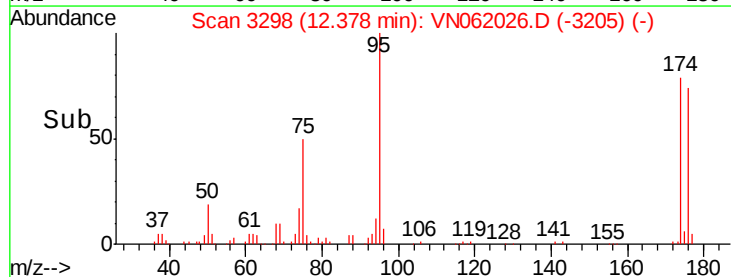
Abundance Ion 94.90 (94.60 to 95.60): VN0

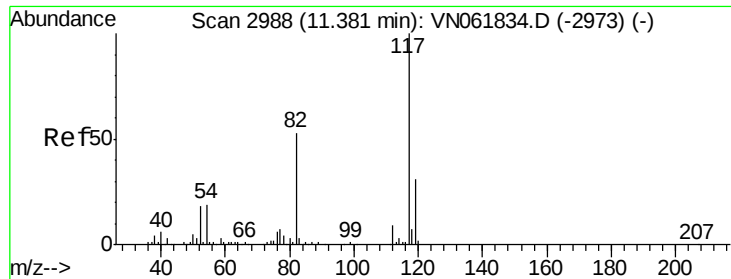
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

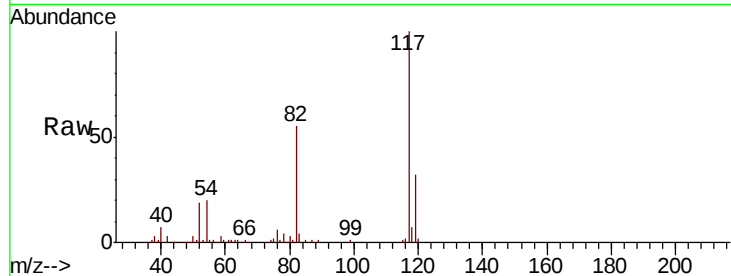




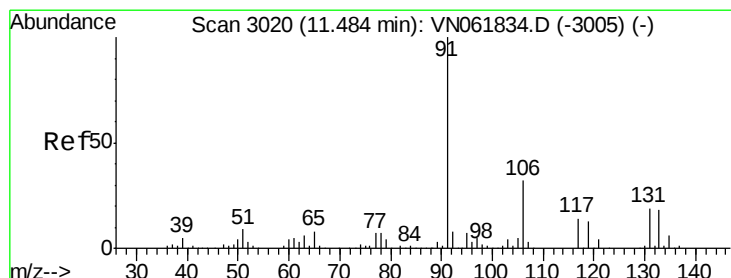
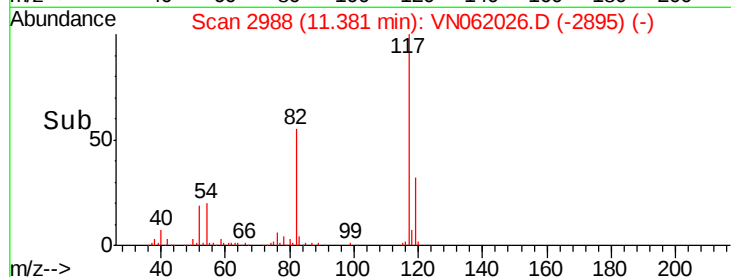
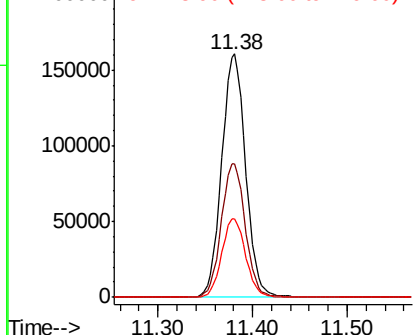
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Instrument :
MSVOA_N
ClientSampleId :
LF001MW003-200616

Tot Ion:117 Resp: 282453
Ion Ratio Lower Upper
117 100
82 54.8 42.6 64.0
119 32.5 24.7 37.1

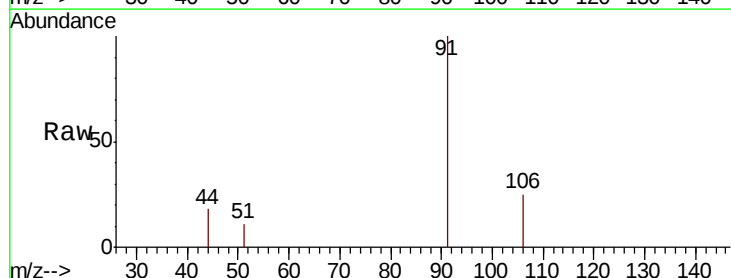


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

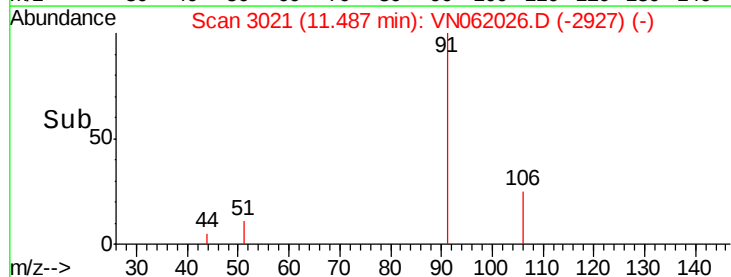
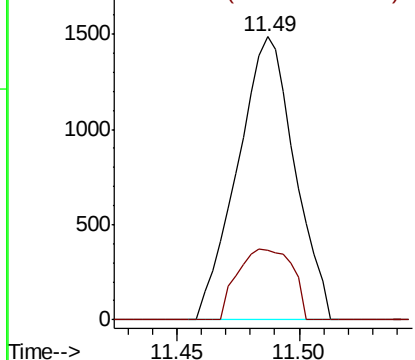


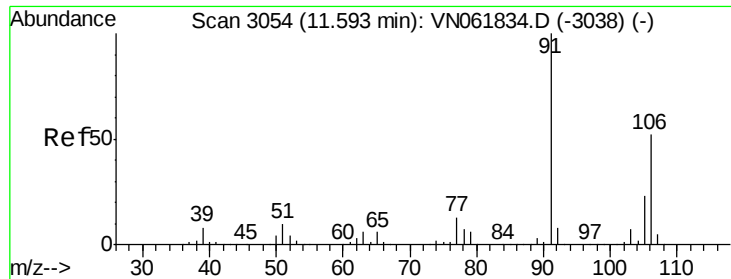
#67
Ethyl Benzene
Concen: 0.241 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Tgt Ion: 91 Resp: 2408
Ion Ratio Lower Upper
91 100
106 24.7 25.4 38.2#



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

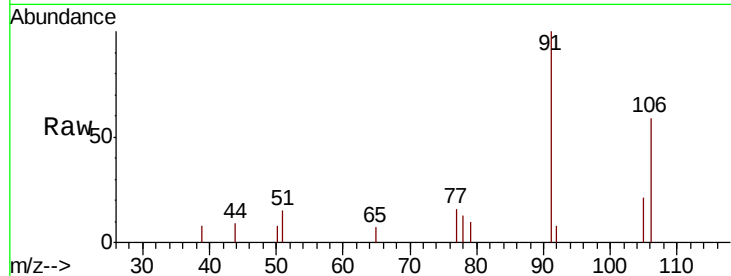




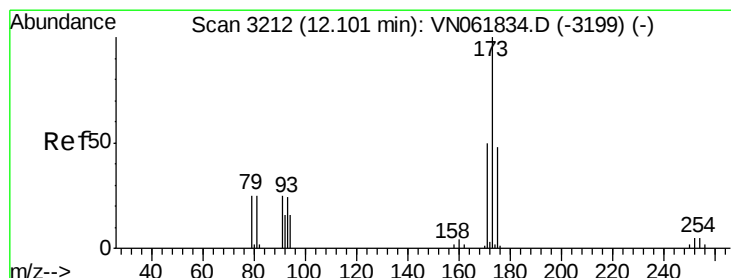
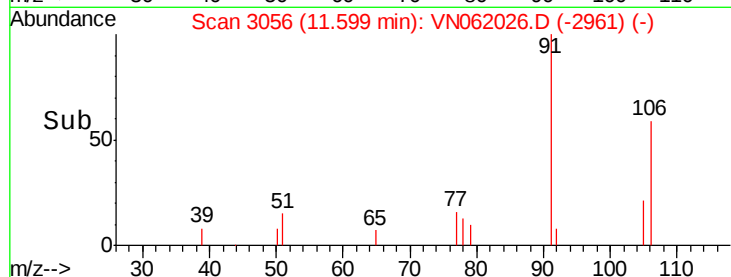
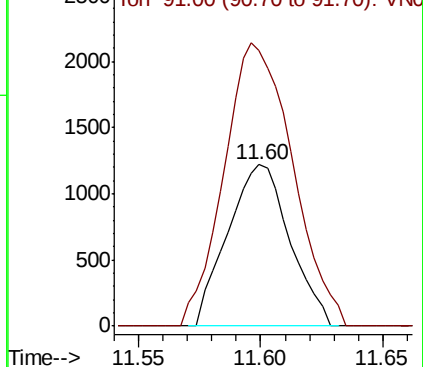
#68
m/p-Xvlenes
Concen: 0.557 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Instrument :
MSVOA_N
ClientSampleId :
LF001MW003-200616

Tot Ion:106 Resp: 2147
Ion Ratio Lower Upper
106 100
91 194.2 157.0 235.6

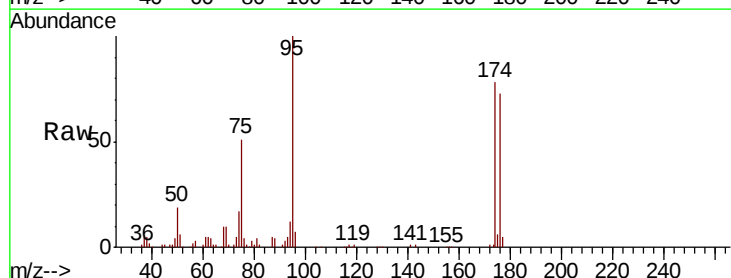


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

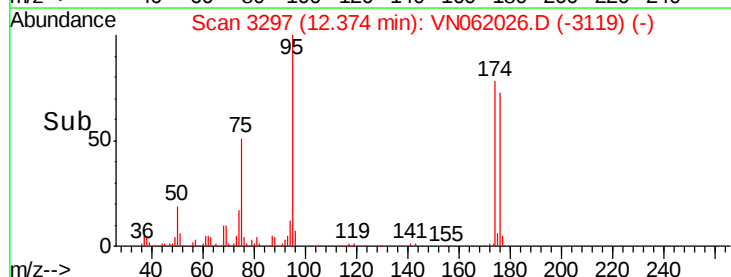
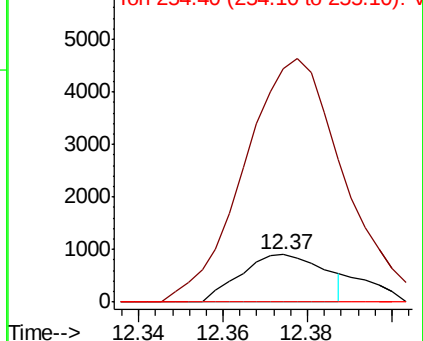


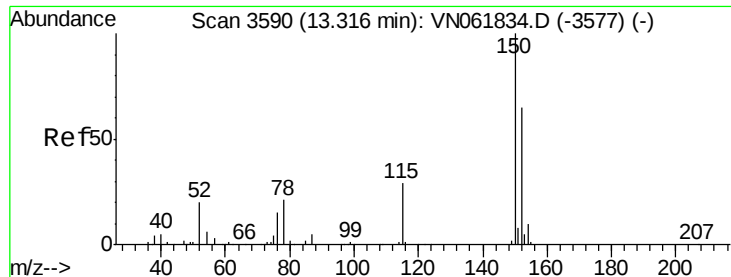
#71
Bromoform
Concen: 0.826 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Tgt Ion:173 Resp: 1252
Ion Ratio Lower Upper
173 100
175 518.6 23.9 71.7#
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: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

LF001MW003-200616

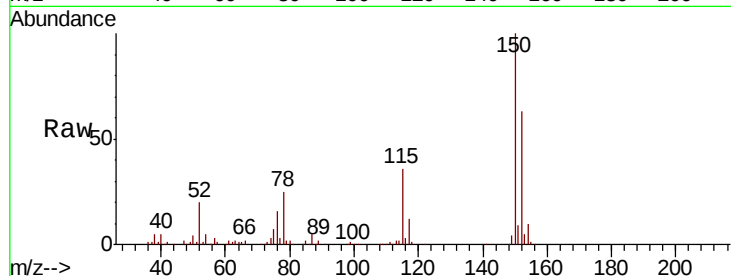
Tot Ion:152 Resp: 116221

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.3

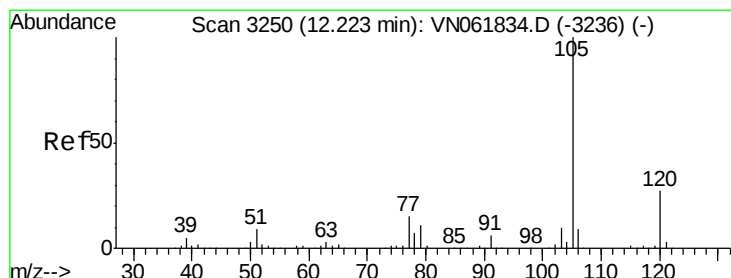
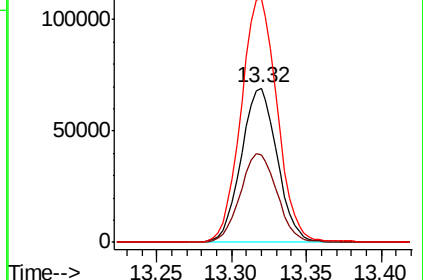
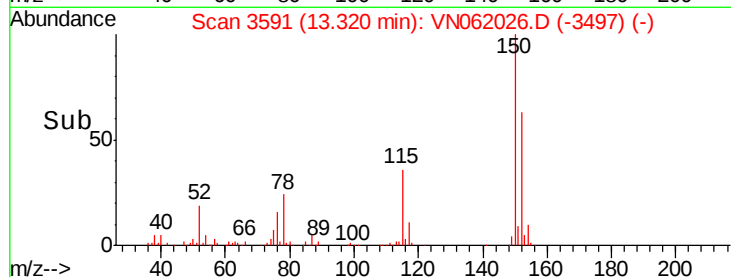
150 159.7 0.0 347.6



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



#73

Isopropylbenzene

Concen: 0.312 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062026.D

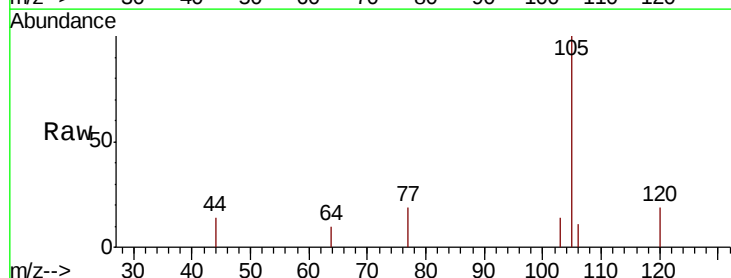
Acq: 23 Jun 2020 3:10

Tgt Ion:105 Resp: 2575

Ion Ratio Lower Upper

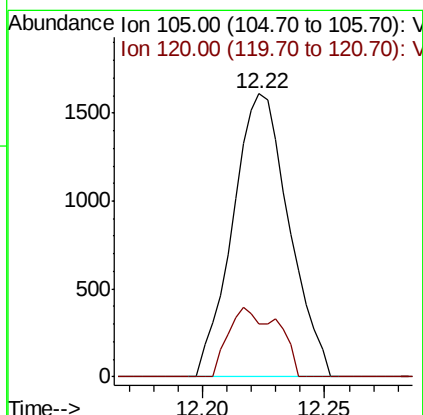
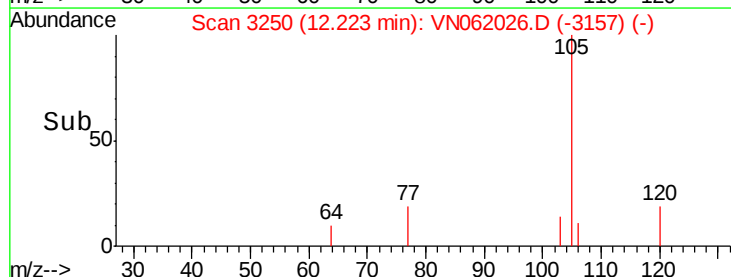
105 100

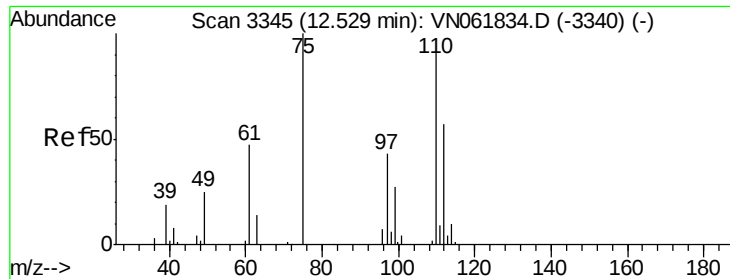
120 21.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

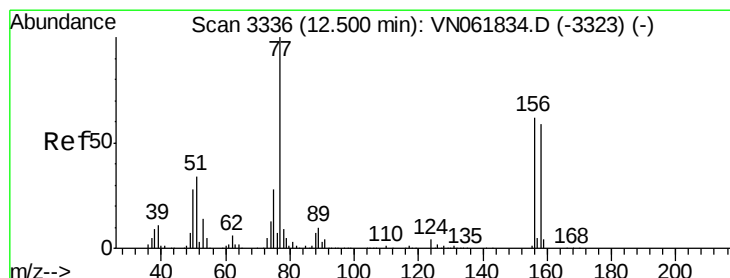
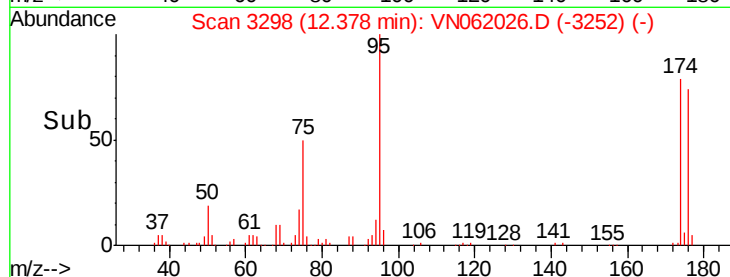
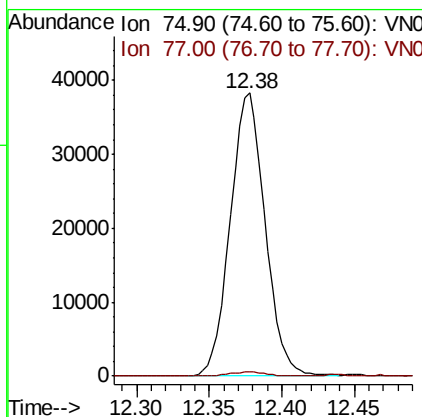
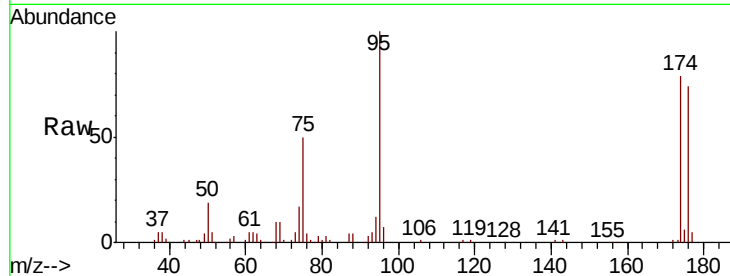




#76
 1,2,3-Trichloropropane
 Concen: 27.962 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

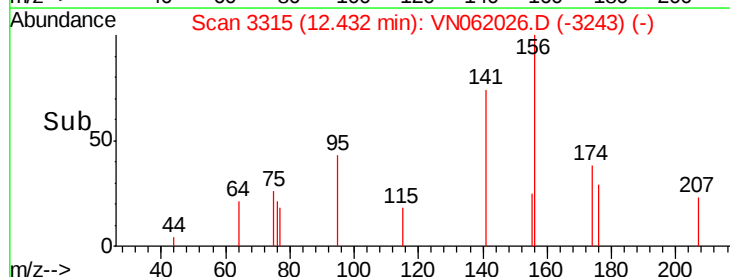
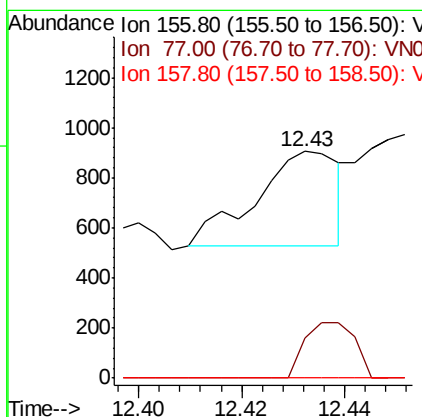
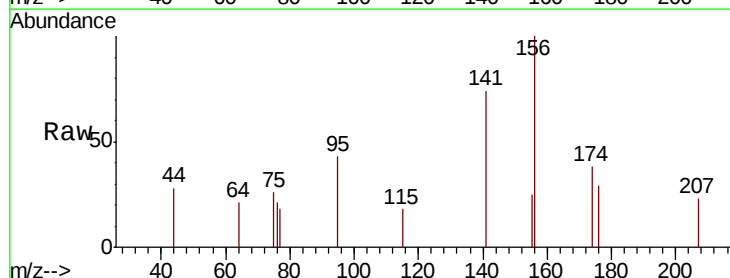
Instrument :
 MSVOA_N
 ClientSampleId :
 LF001MW003-200616

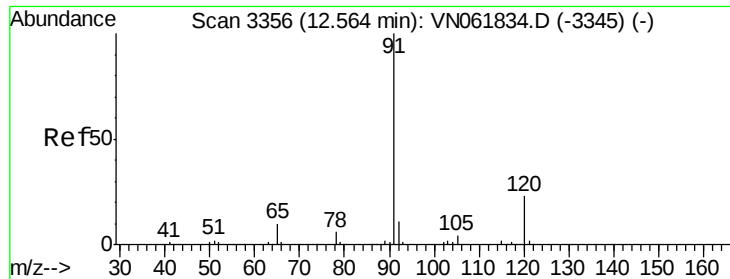
Tot Ion: 75 Resp: 63801
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.203 ug/l
 RT: 12.43 min Scan# 3315
 Delta R.T. -0.07 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

Tgt Ion: 156 Resp: 422
 Ion Ratio Lower Upper
 156 100
 77 35.3 100.7 302.1#
 158 0.0 48.5 145.5#





#78

n-propylbenzene

Concen: 0.551 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062026.D

Acq: 23 Jun 2020 3:10

Instrument :

MSVOA_N

ClientSampleId :

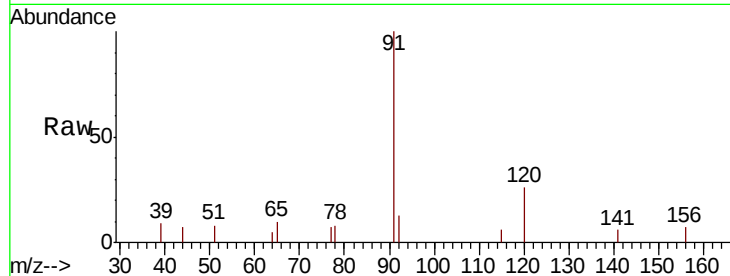
LF001MW003-200616

Tot Ion: 91 Resp: 5190

Ion Ratio Lower Upper

91 100

120 22.8 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3345) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3345) (-)

12.57

3000

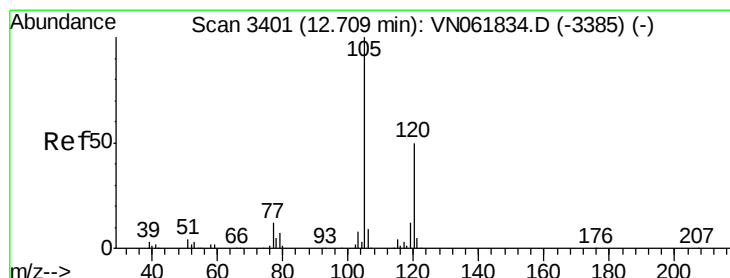
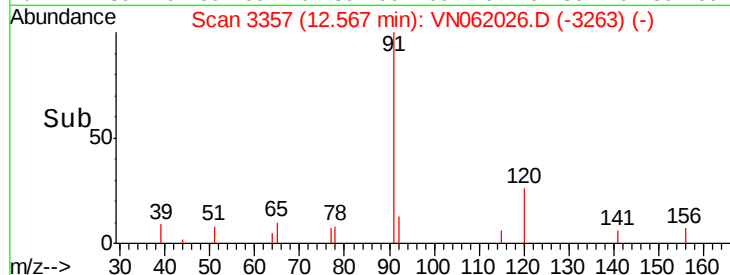
2000

1000

0

12.55 12.60

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.594 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062026.D

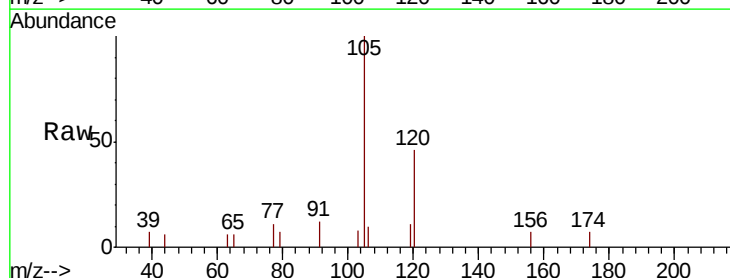
Acq: 23 Jun 2020 3:10

Tgt Ion: 105 Resp: 4058

Ion Ratio Lower Upper

105 100

120 45.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)

4000

3000

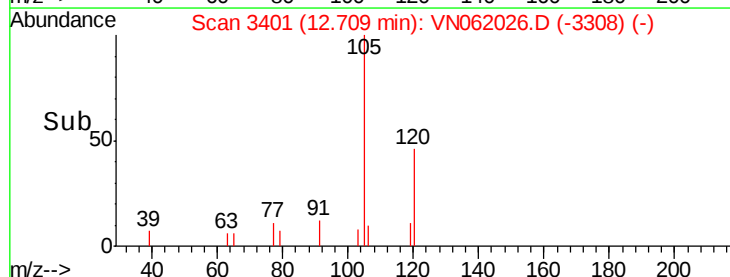
2000

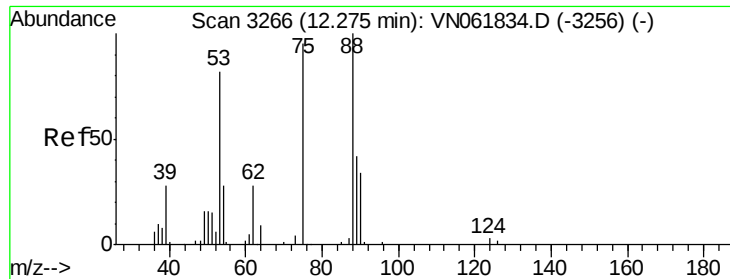
1000

0

12.70 12.75

Time-->

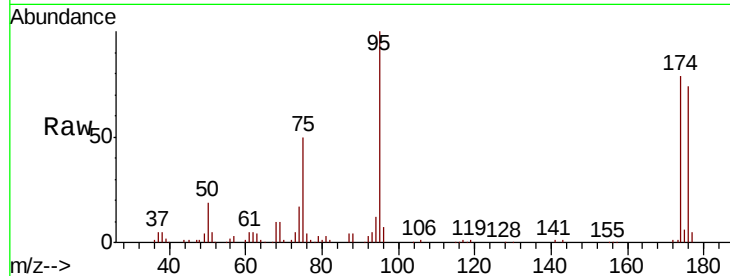




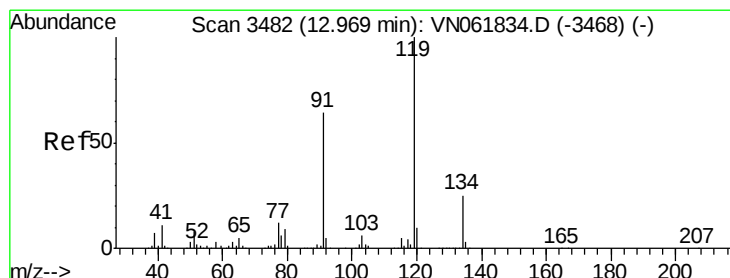
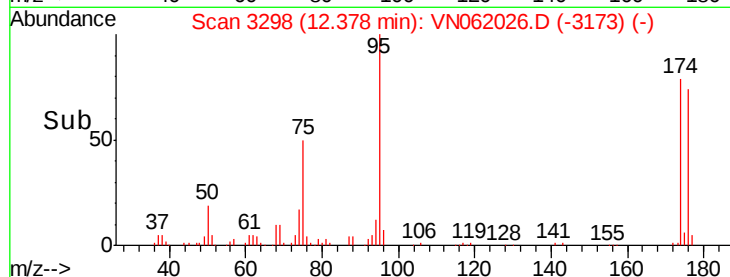
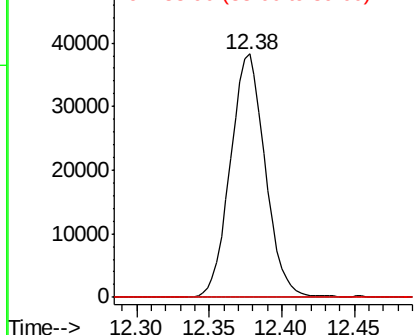
#81
trans-1,4-Dichloro-2-butene
Concen: 76.264 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Instrument :
MSVOA_N
ClientSampleId :
LF001MW003-200616

Tot Ion: 75 Resp: 63801
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 36.0 54.0#

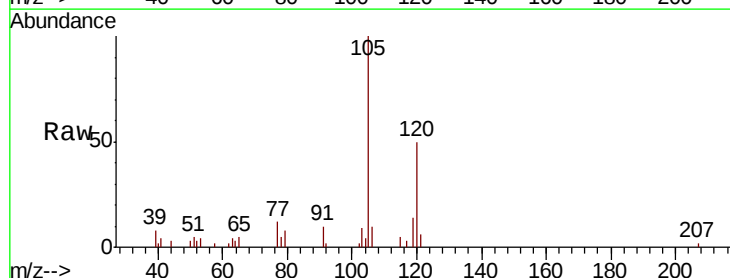


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

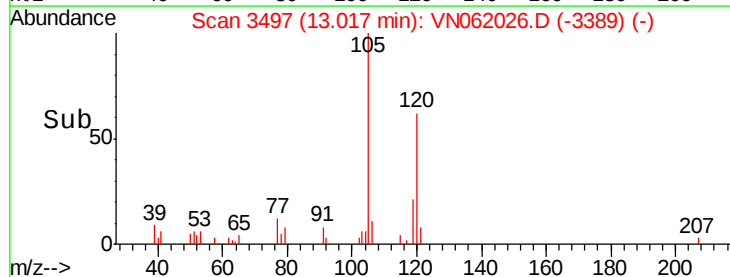
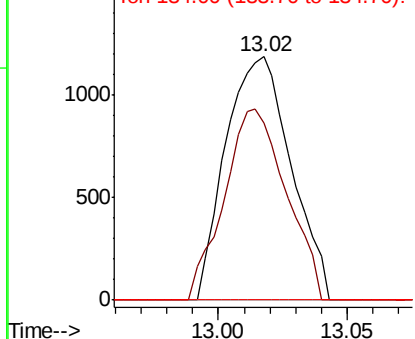


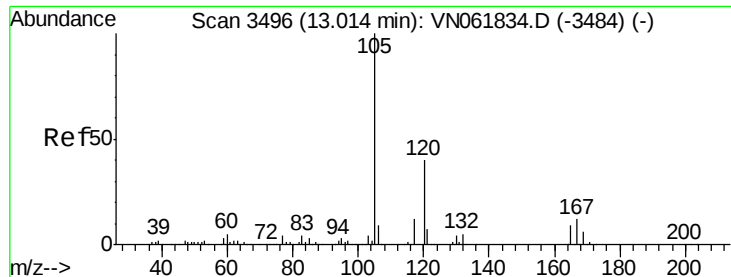
#83
tert-Butylbenzene
Concen: 0.361 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.05 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Tgt Ion: 119 Resp: 2092
Ion Ratio Lower Upper
119 100
91 74.5 31.5 94.5
134 0.0 13.3 39.9#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN0
Ion 134.00 (133.70 to 134.70): V

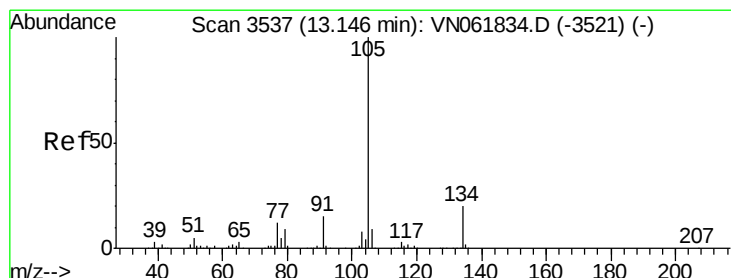
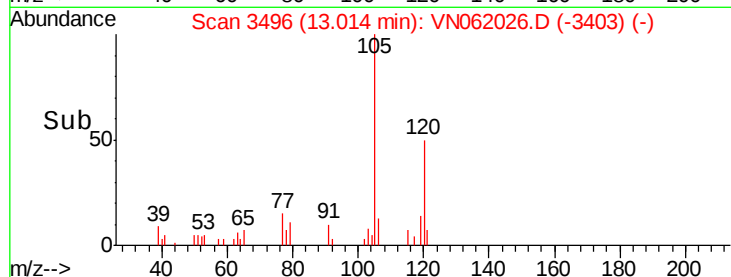
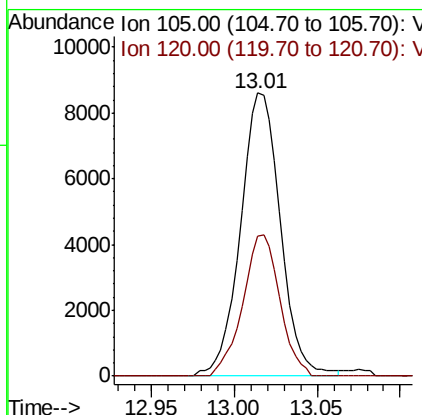
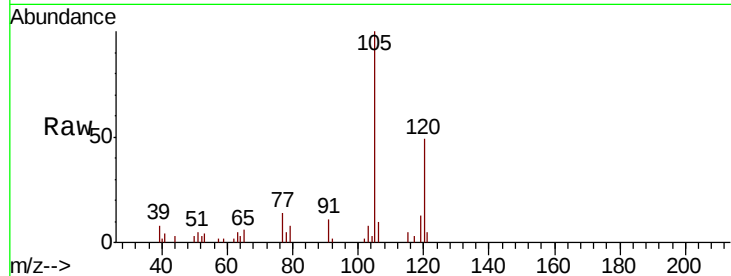




#84
 1,2,4-Trimethylbenzene
 Concen: 2.135 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

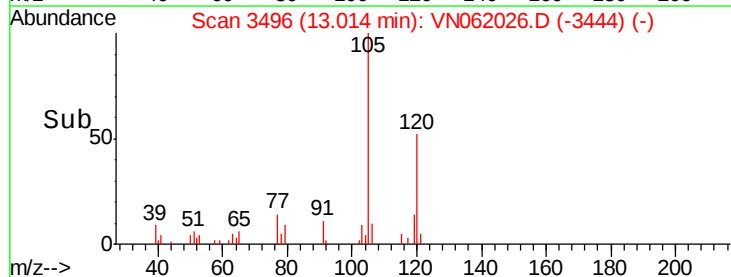
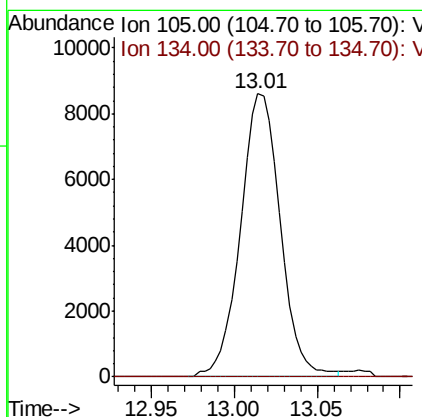
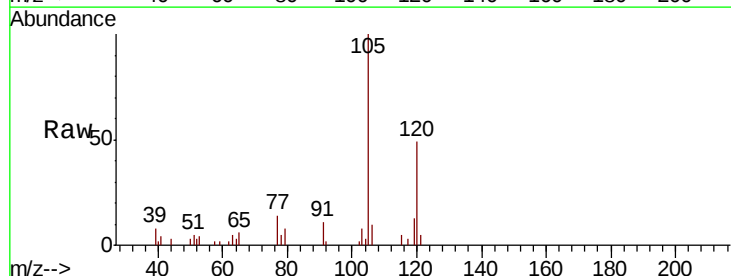
Instrument :
 MSVOA_N
 ClientSampleId :
 LF001MW003-200616

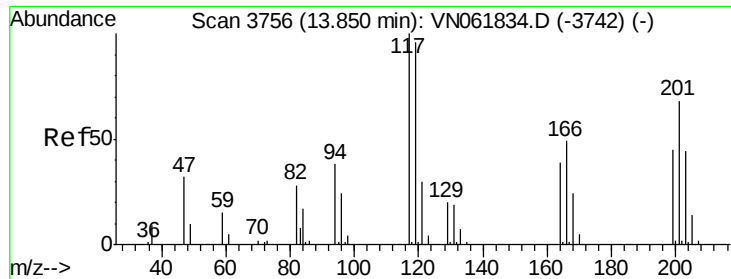
Tot Ion:105 Resp: 14403
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 1.900 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.13 min
 Lab File: VN062026.D
 Acq: 23 Jun 2020 3:10

Tgt Ion:105 Resp: 14403
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#

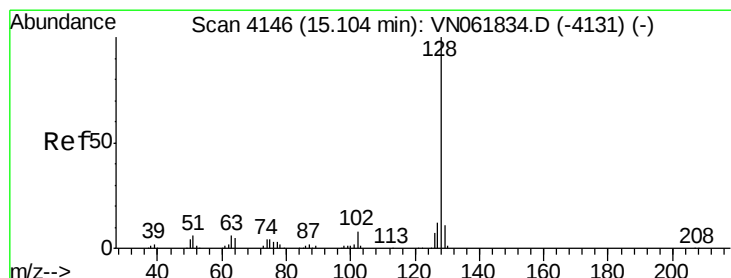
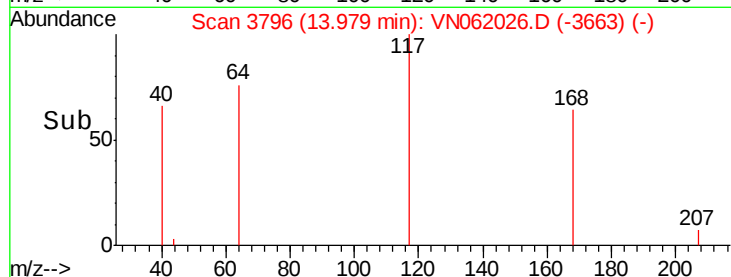
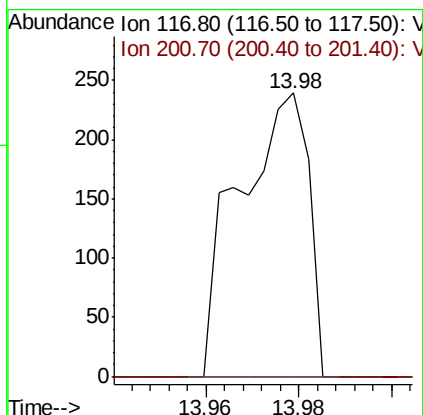
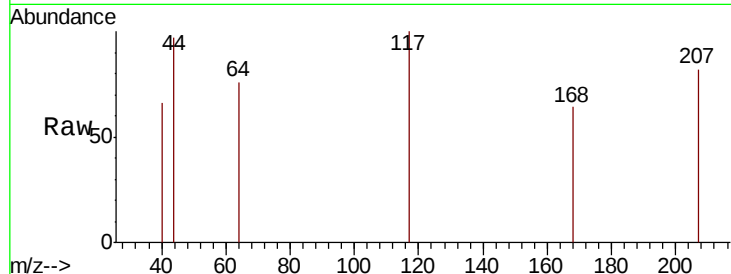




#90
Hexachloroethane
Concen: 0.201 ug/l
RT: 13.98 min Scan# 3796
Delta R.T. 0.13 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Instrument :
MSVOA_N
ClientSampleId :
LF001MW003-200616

Tot Ion:117 Resp: 249
Ion Ratio Lower Upper
117 100
201 0.0 34.6 103.8#



#95
Naphthalene
Concen: 4.641 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062026.D
Acq: 23 Jun 2020 3:10

Tgt Ion:128 Resp: 7198
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 11.0 8.6 13.0

