

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062023.D
 Acq On : 23 Jun 2020 1:57
 Operator : JC/MD
 Sample : L3071-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-8

Quant Time: Jun 23 05:24:21 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	147160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99080	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	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
35) Dibromofluoromethane	7.55	113	90395	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	10.06	98	349557	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.38	95	112550	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

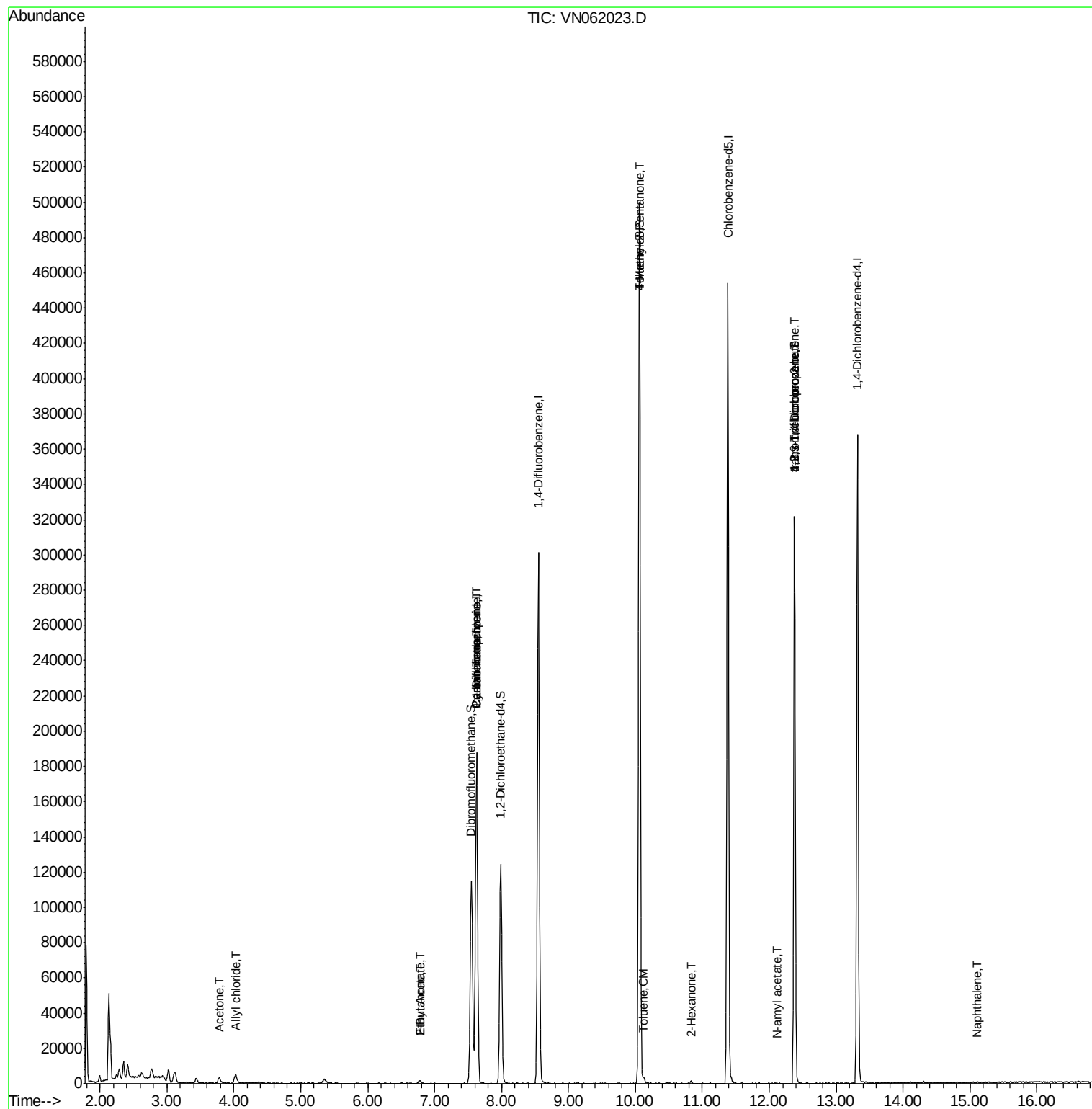
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.03	41	897	0.452	ug/l #	64
16) Acetone	3.78	43	5661	9.711	ug/l #	87
25) 2-Butanone	6.79	43	959	1.127	ug/l #	44
31) Cyclohexane	7.63	56	3437	1.321	ug/l #	23
36) 1,1-Dichloropropene	7.63	75	11943	4.712	ug/l #	47
37) Ethyl Acetate	6.79	43	959	0.485	ug/l #	65
38) Carbon Tetrachloride	7.63	117	14948	5.955	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1571	0.797	ug/l #	1
52) Toluene	10.12	92	1175	0.244	ug/l	90
59) 2-Hexanone	10.83	43	177	13.513	ug/l #	20
74) N-amyl acetate	12.11	43	104	3.102	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	56814	29.207	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56814	79.661	ug/l #	14
95) Naphthalene	15.11	128	310	3.542	ug/l #	69

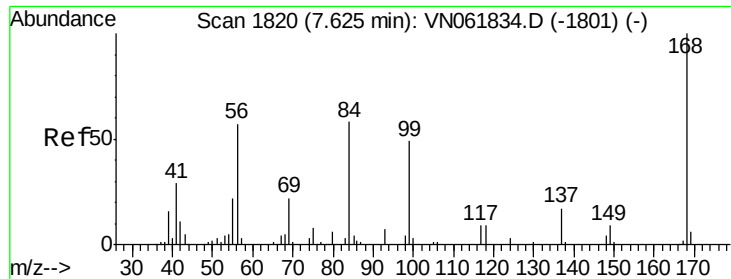
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062220\
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Acq On : 23 Jun 2020 1:57
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MSVOA_N
ClientSampleId :
TW-8

Quant Time: Jun 23 05:24:21 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: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA_N

ClientSampled :

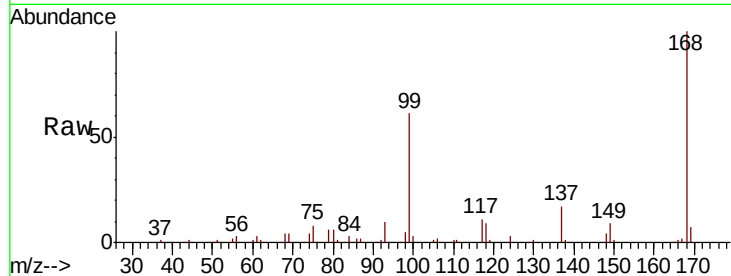
TW-8

Tot Ion:168 Resp: 147160

Ion Ratio Lower Upper

168 100

99 60.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.63

60000

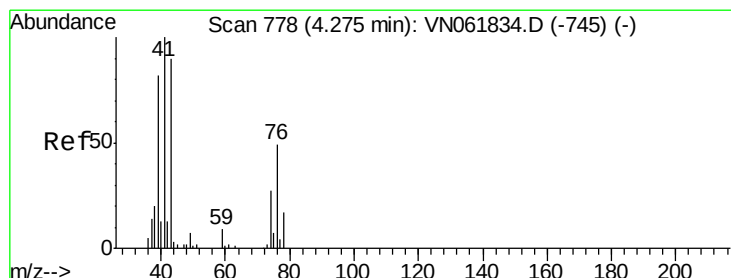
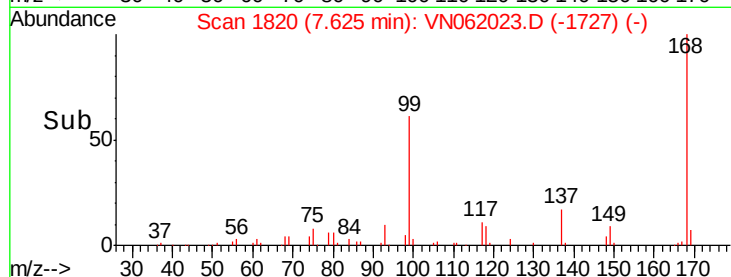
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#14

Allyl chloride

Concen: 0.452 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.24 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

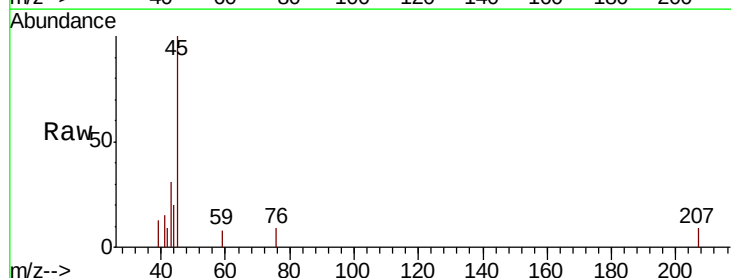
Tgt Ion: 41 Resp: 897

Ion Ratio Lower Upper

41 100

39 61.5 60.2 90.2

76 0.0 36.3 54.5#



Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061834.D (-745) (-)

4.03

500

400

300

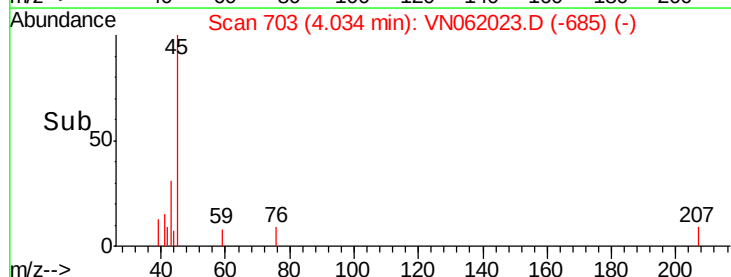
200

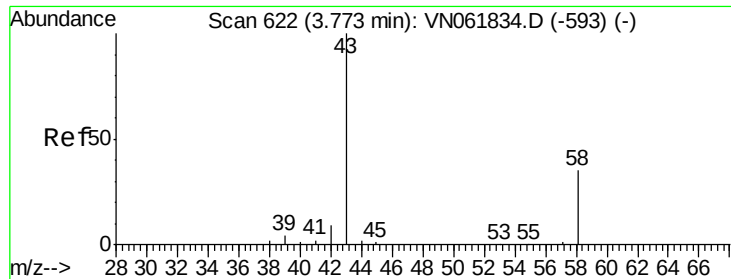
100

0

4.00 4.05

Time-->





#16

Acetone

Concen: 9.711 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA_N

ClientSampled :

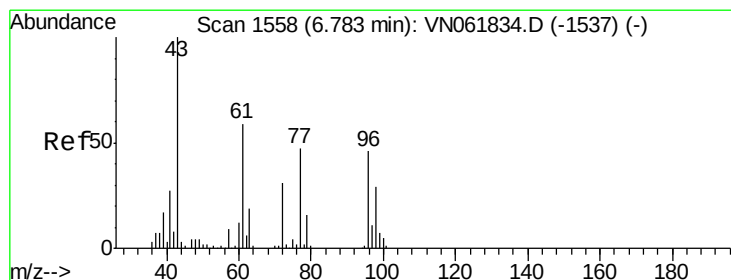
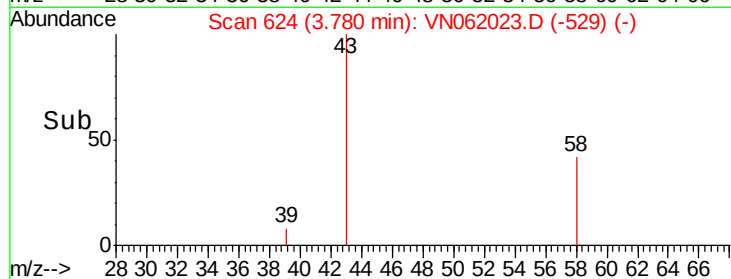
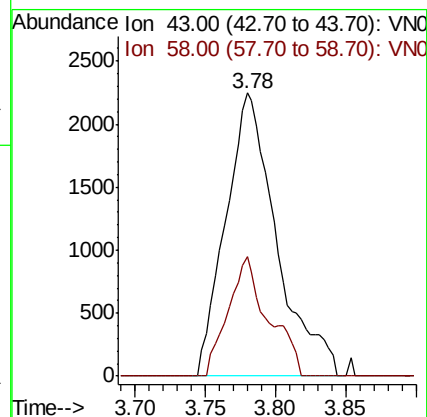
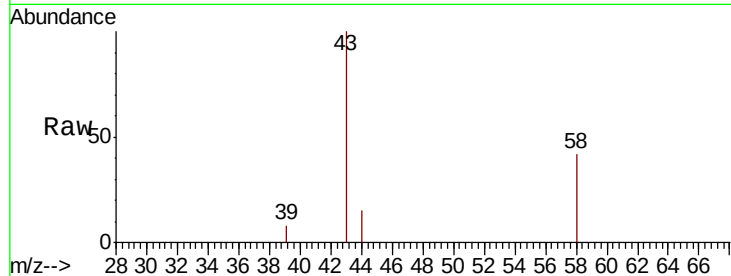
TW-8

Tot Ion: 43 Resp: 5661

Ion Ratio Lower Upper

43 100

58 42.1 27.8 41.8#



#25

2-Butanone

Concen: 1.127 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062023.D

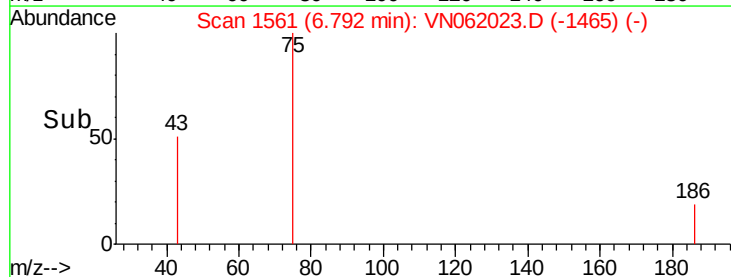
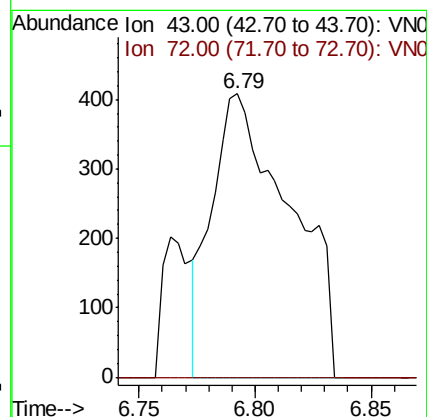
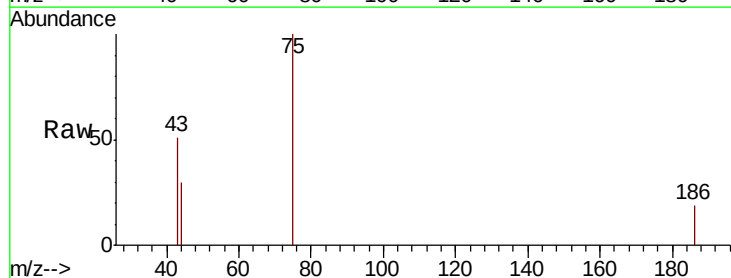
Acq: 23 Jun 2020 1:57

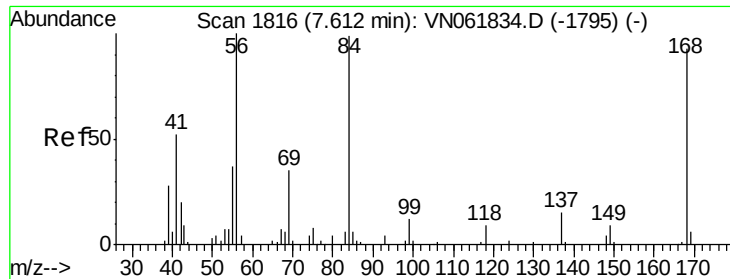
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

72 0.0 24.6 37.0#

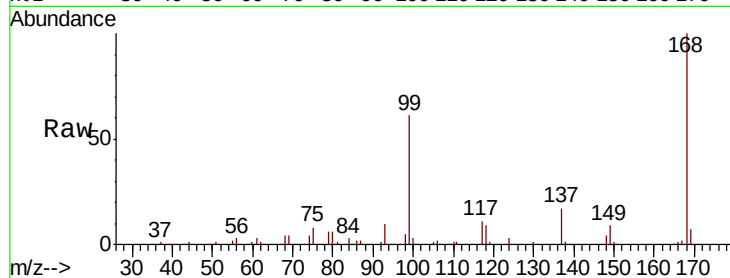




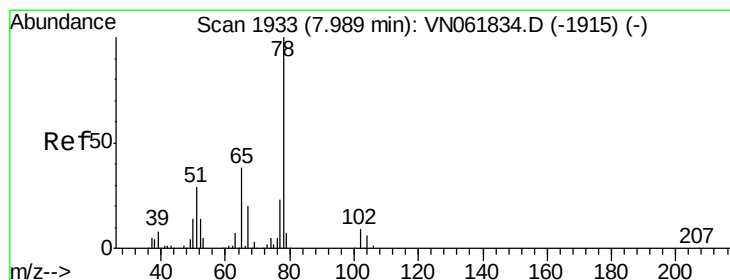
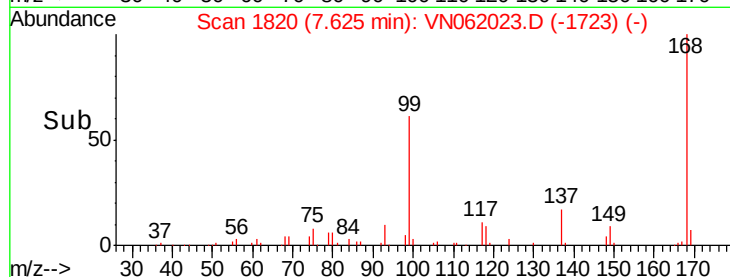
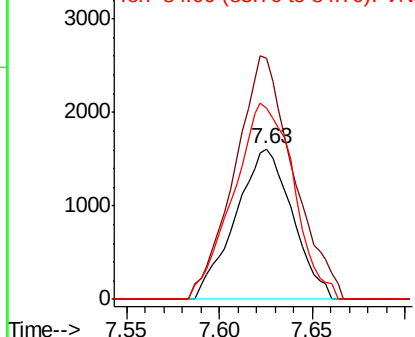
#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

Instrument :
MSVOA_N
ClientSampled :
TW-8

Tot Ion: 56 Resp: 3437
Ion Ratio Lower Upper
56 100
69 159.7 27.7 41.5#
84 126.7 79.1 118.7#

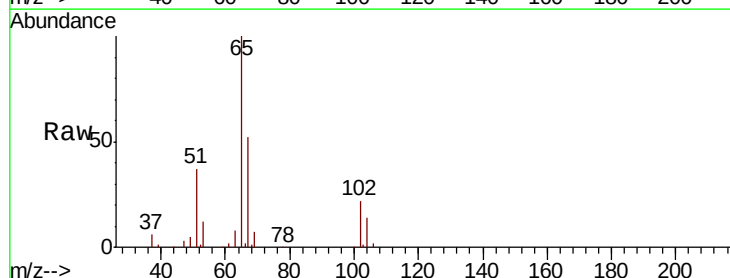


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

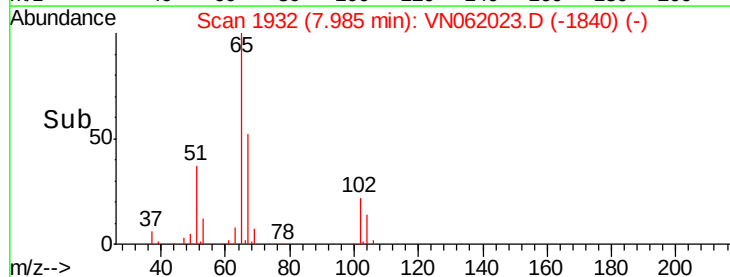
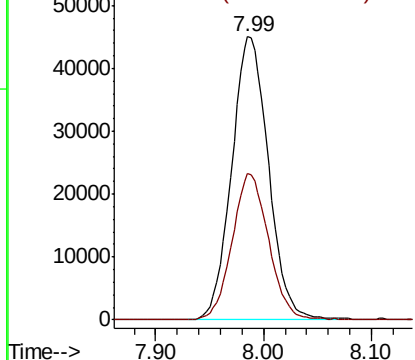


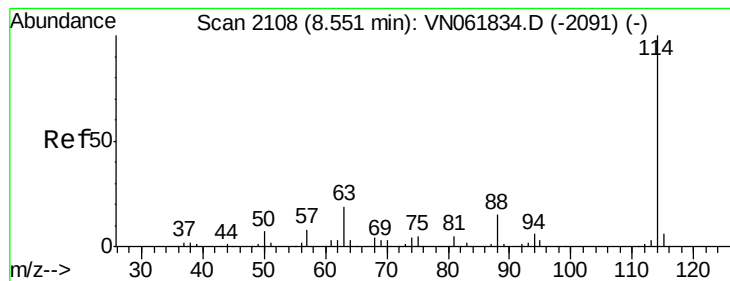
#33
1,2-Dichloroethane-d4
Concen: 54.152 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

Tgt Ion: 65 Resp: 106876
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA_N

ClientSampleId :

TW-8

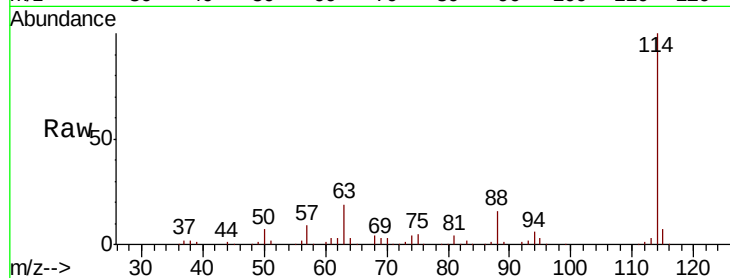
Tot Ion:114 Resp: 277888

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.6

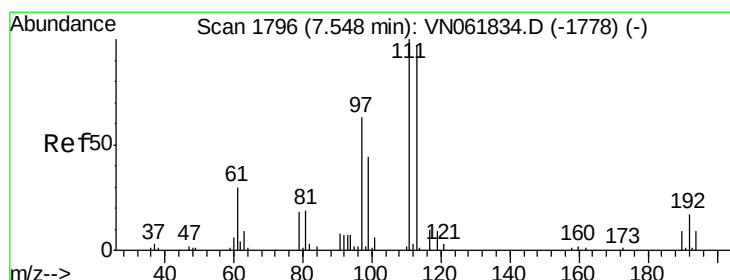
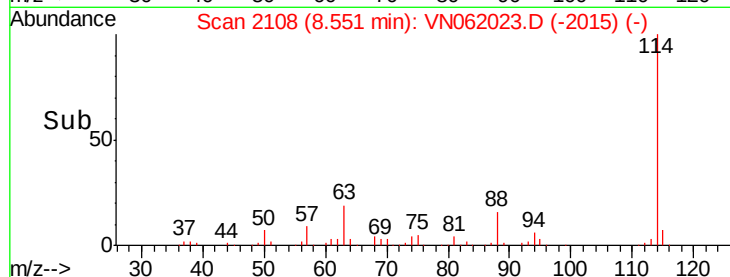
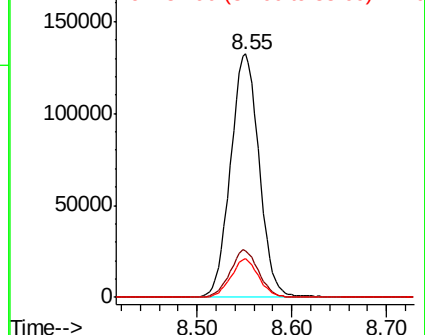
88 15.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.847 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

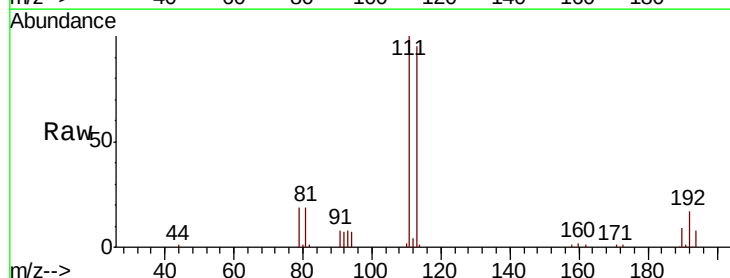
Tgt Ion:113 Resp: 90395

Ion Ratio Lower Upper

113 100

111 103.9 83.7 125.5

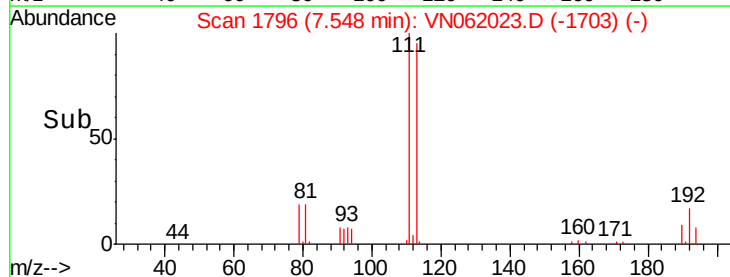
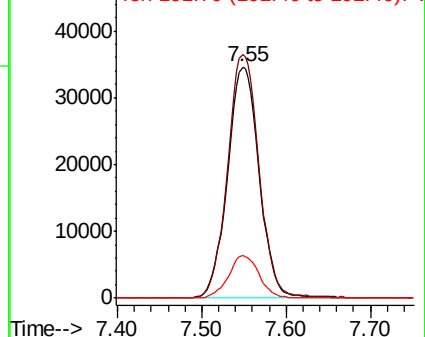
192 17.7 13.9 20.9

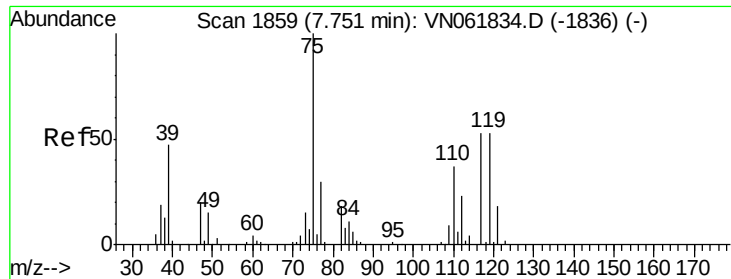


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA_N

ClientSampled :

TW-8

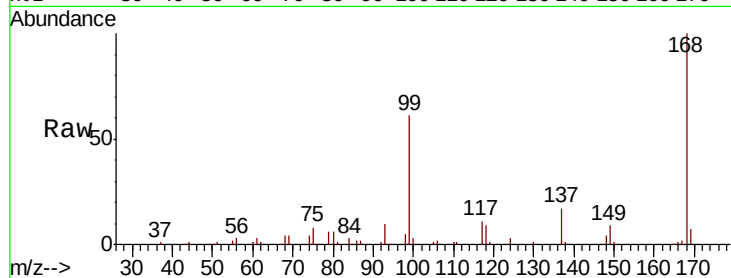
Tot Ion: 75 Resp: 11943

Ion Ratio Lower Upper

75 100

110 6.5 18.2 54.6#

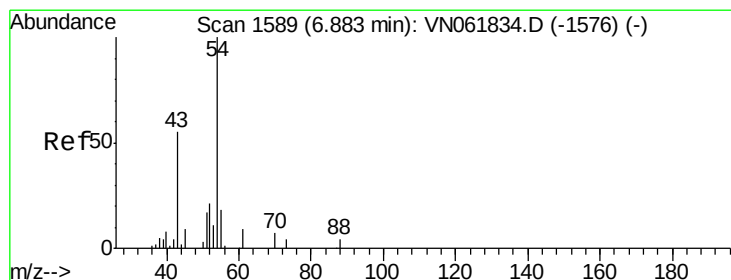
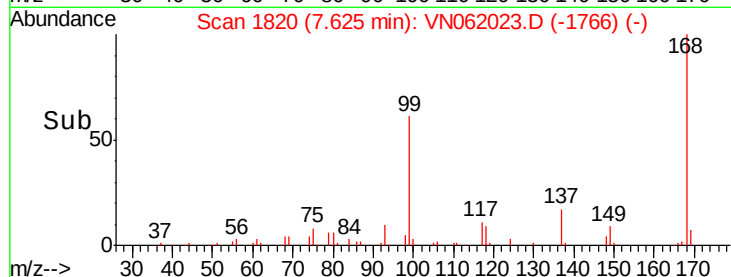
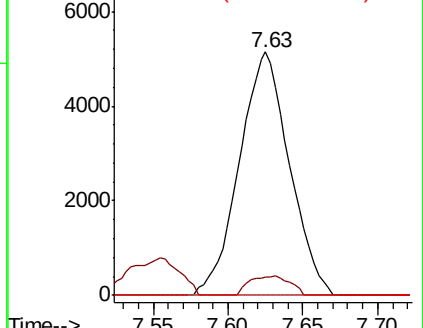
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.485 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.09 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

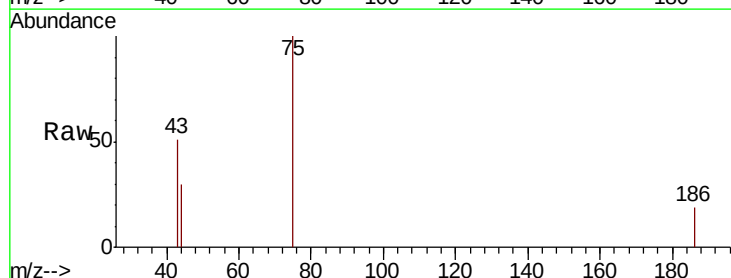
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

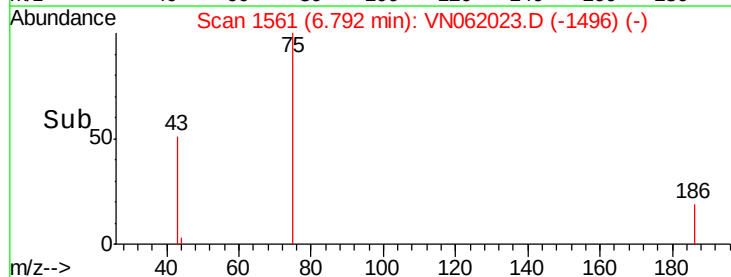
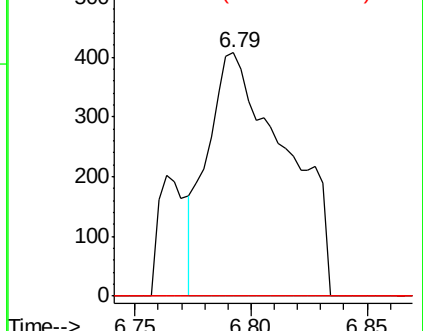
70 0.0 9.4 14.2#

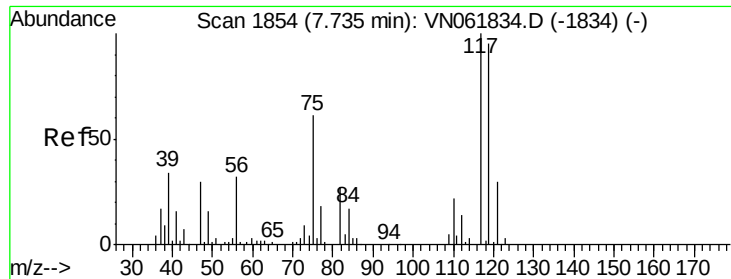


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.955 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA_N

ClientSampled :

TW-8

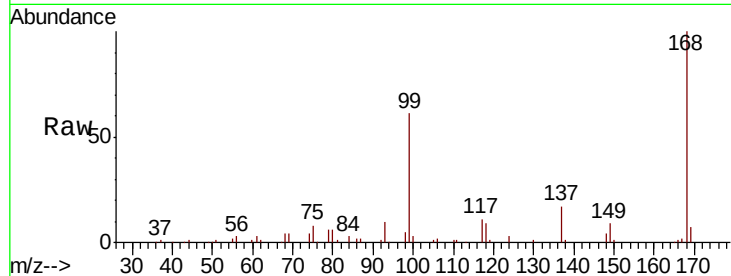
Tot Ion:117 Resp: 14948

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

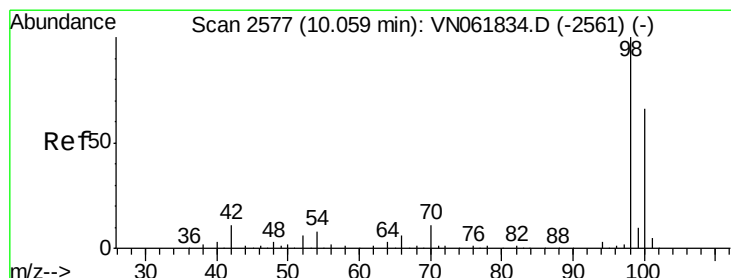
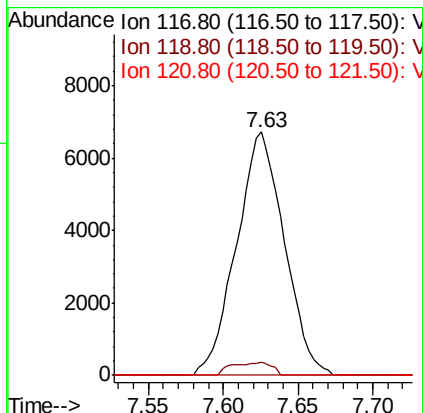
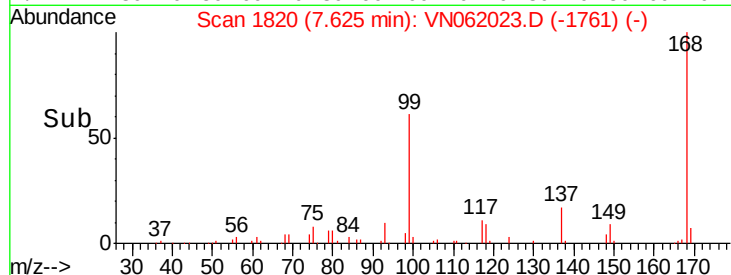
121 0.0 23.8 35.6#



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: 50.014 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062023.D

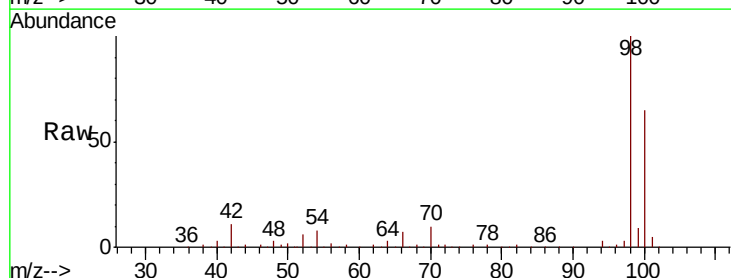
Acq: 23 Jun 2020 1:57

Tgt Ion: 98 Resp: 349557

Ion Ratio Lower Upper

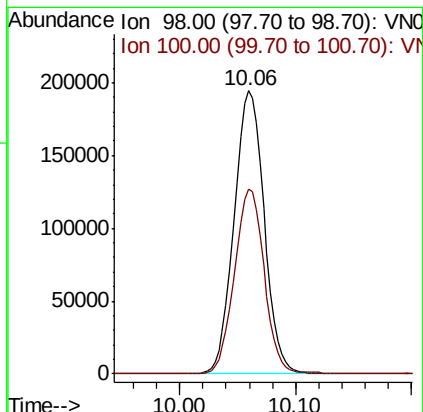
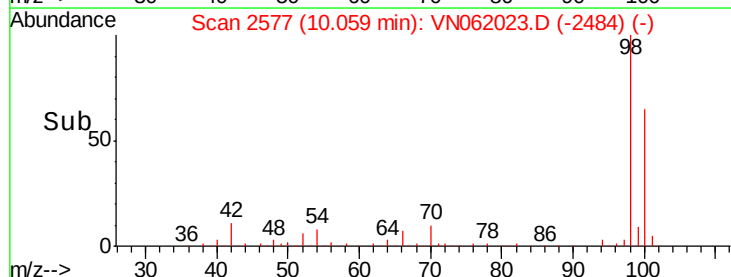
98 100

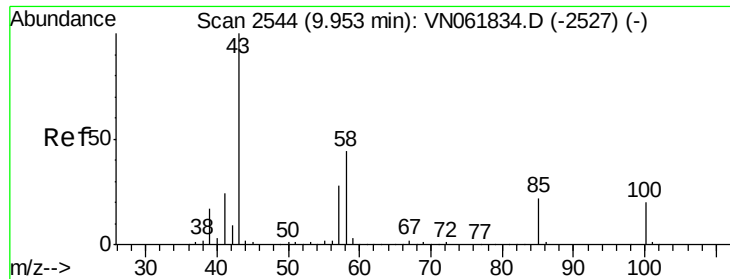
100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

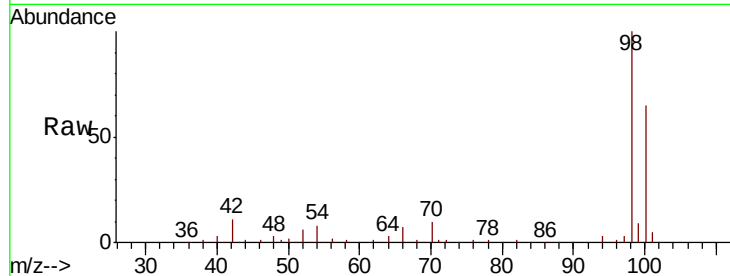




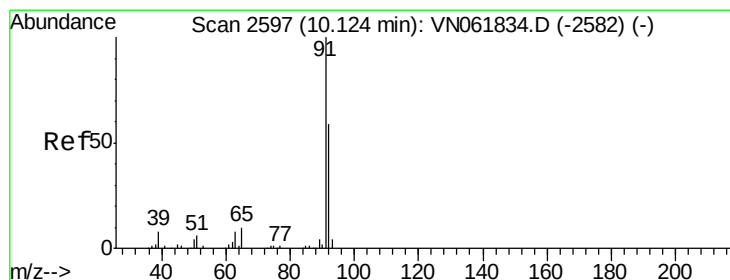
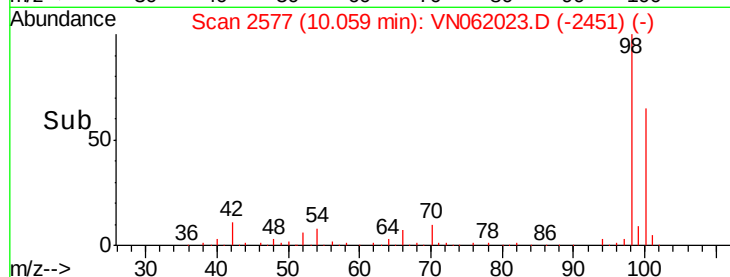
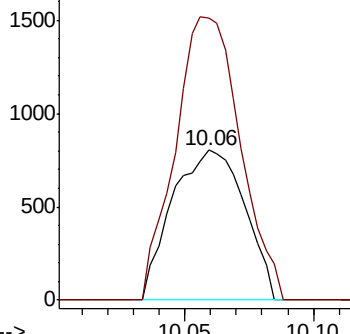
#51
 4-Methyl-2-Pentanone
 Concen: 0.797 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.11 min
 Lab File: VN062023.D
 Acq: 23 Jun 2020 1:57

Instrument :
 MSVOA_N
 ClientSampled :
 TW-8

Tot Ion: 43 Resp: 1571
 Ion Ratio Lower Upper
 43 100
 58 169.4 34.6 52.0#

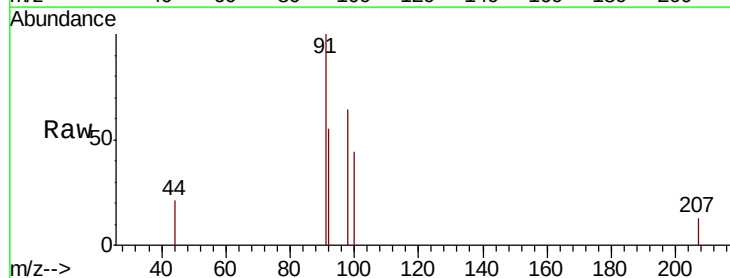


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

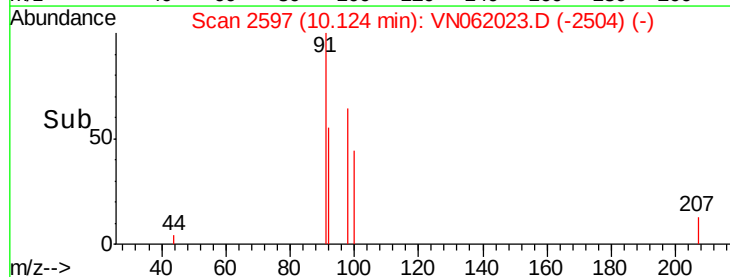
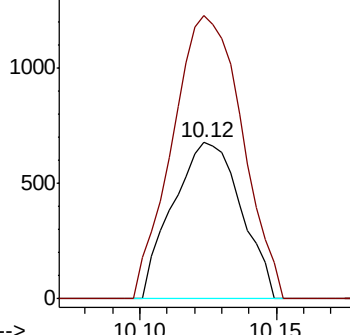


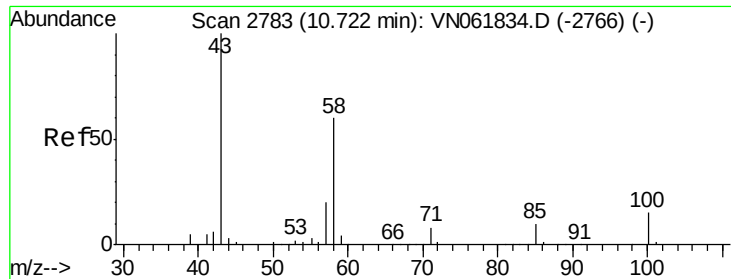
#52
 Toluene
 Concen: 0.244 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062023.D
 Acq: 23 Jun 2020 1:57

Tgt Ion: 92 Resp: 1175
 Ion Ratio Lower Upper
 92 100
 91 185.2 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0
 Ion 91.00 (90.70 to 91.70): VN0

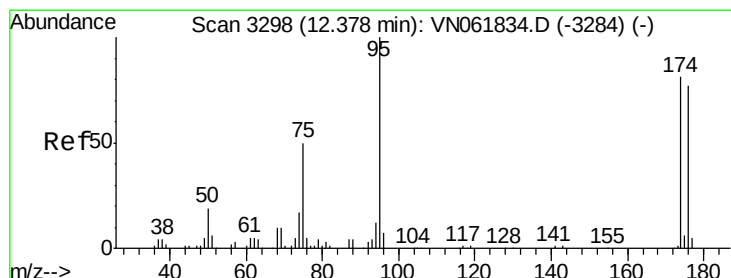
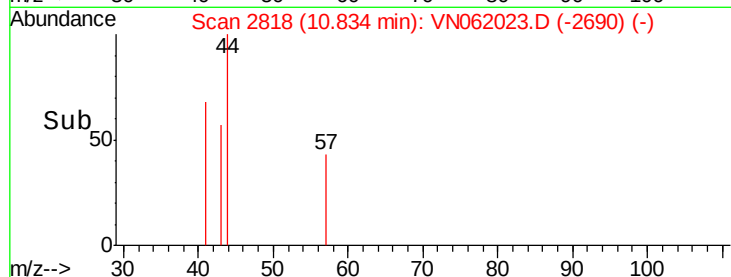
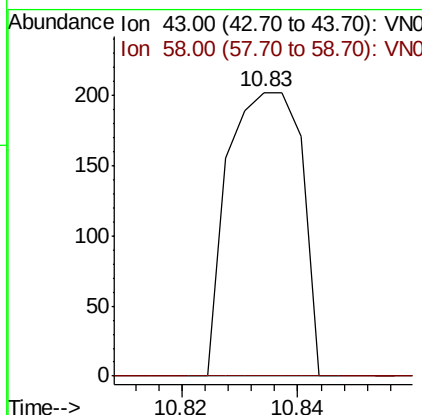
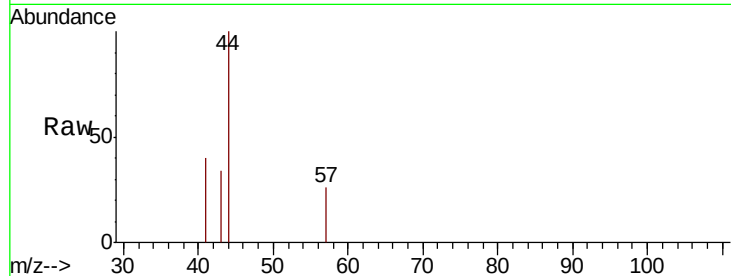




#59
2-Hexanone
Concen: 13.513 ug/l
RT: 10.83 min Scan# 2818
Delta R.T. 0.11 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

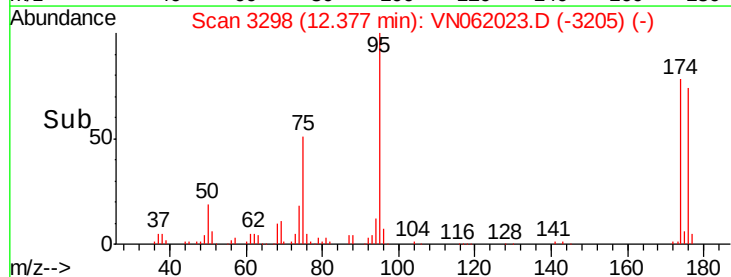
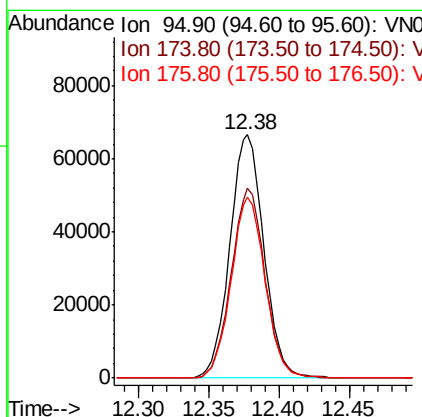
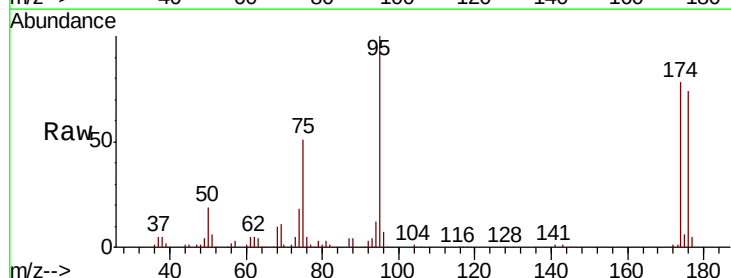
Instrument :
MSVOA_N
ClientSampleId :
TW-8

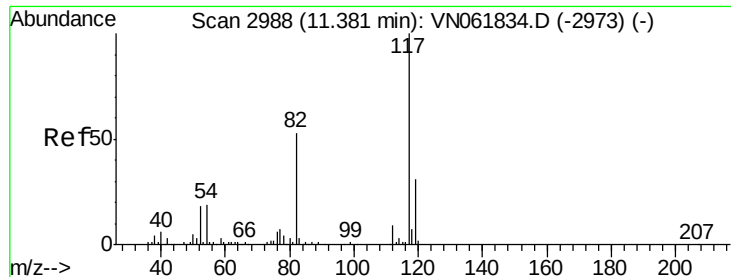
Tot Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.5#



#62
4-Bromofluorobenzene
Concen: 46.947 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

Tgt Ion: 95 Resp: 112550
Ion Ratio Lower Upper
95 100
174 77.8 0.0 158.6
176 74.3 0.0 152.0

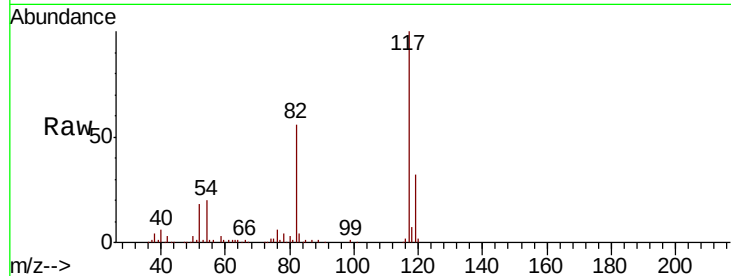




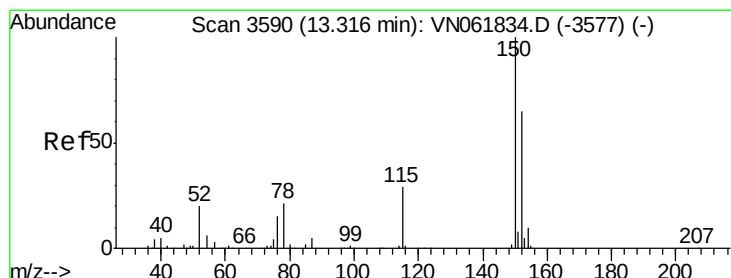
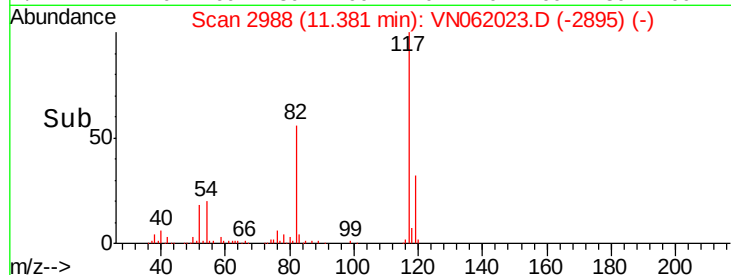
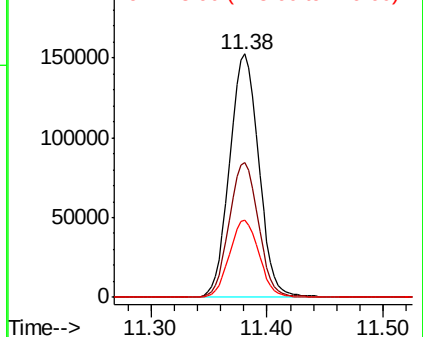
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

Instrument :
MSVOA_N
ClientSampleId :
TW-8

Tot Ion:117 Resp: 265851
Ion Ratio Lower Upper
117 100
82 55.6 42.6 64.0
119 31.9 24.7 37.1

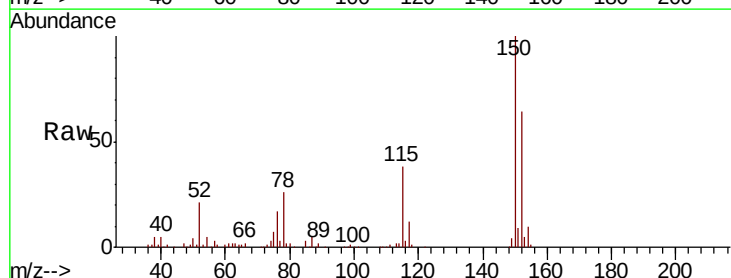


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

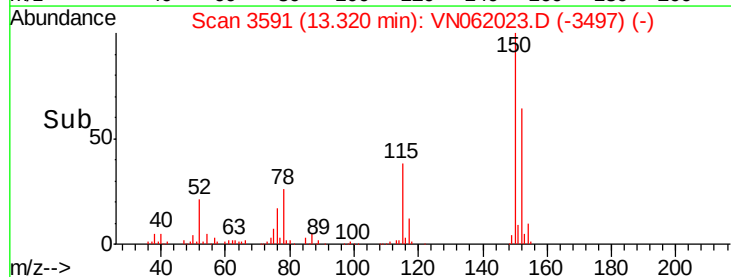
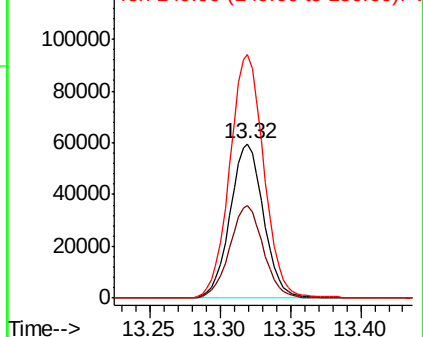


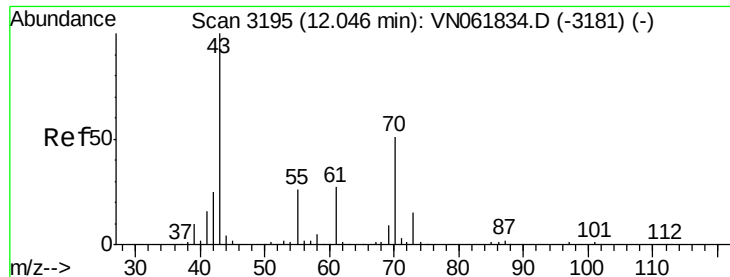
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

Tgt Ion:152 Resp: 99080
Ion Ratio Lower Upper
152 100
115 60.5 29.1 87.3
150 160.9 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

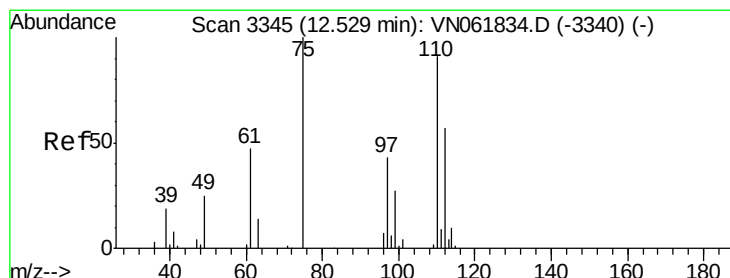
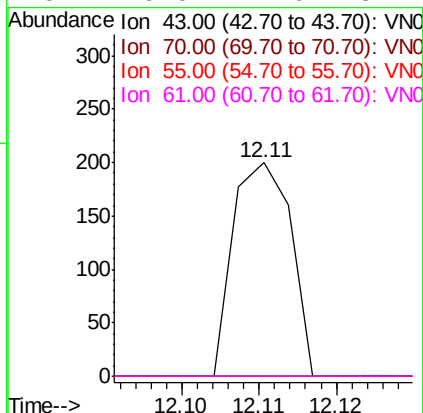
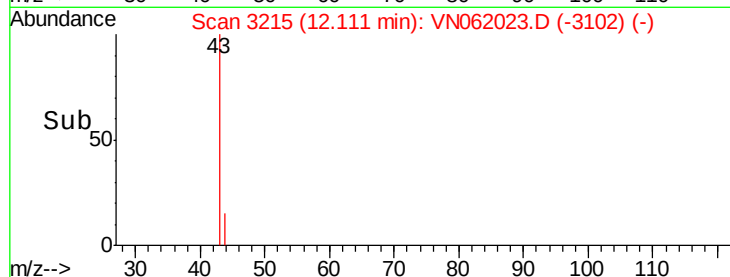
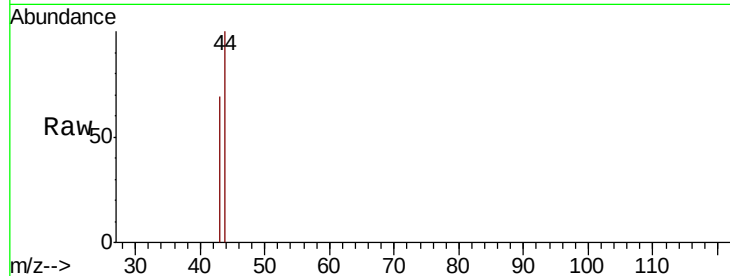




#74
N-amyl acetate
Concen: 3.102 ug/l
RT: 12.11 min Scan# 3215
Delta R.T. 0.06 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

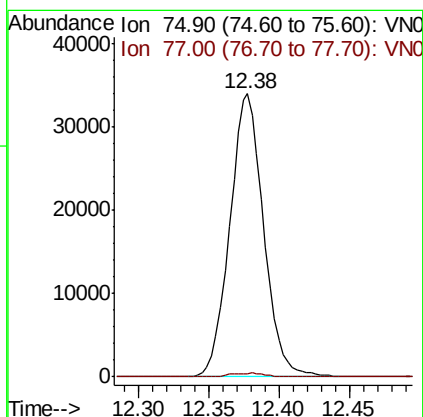
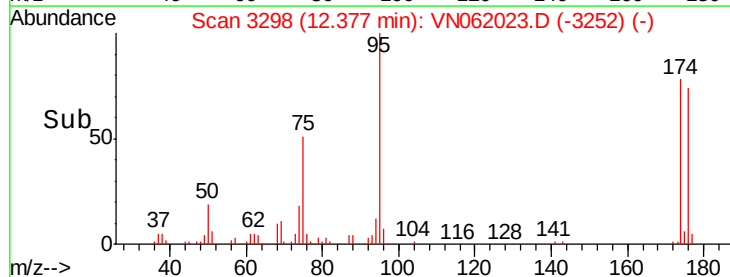
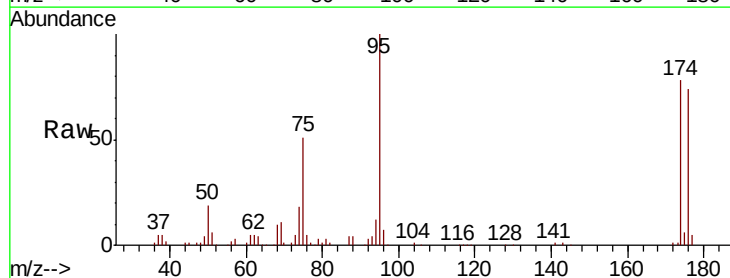
Instrument :
MSVOA_N
ClientSampled :
TW-8

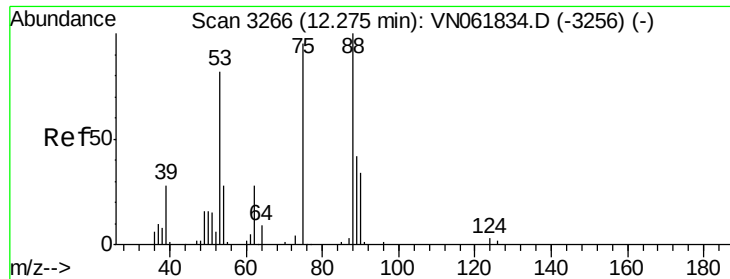
Tot Ion:	43	Resp:	104
Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.6	60.8#
55	0.0	21.5	32.3#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 29.207 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062023.D
Acq: 23 Jun 2020 1:57

Tgt Ion:	75	Resp:	56814
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 79.661 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA_N

ClientSampled :

TW-8

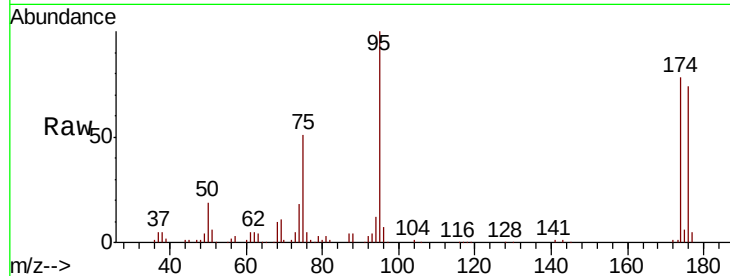
Tot Ion: 75 Resp: 56814

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

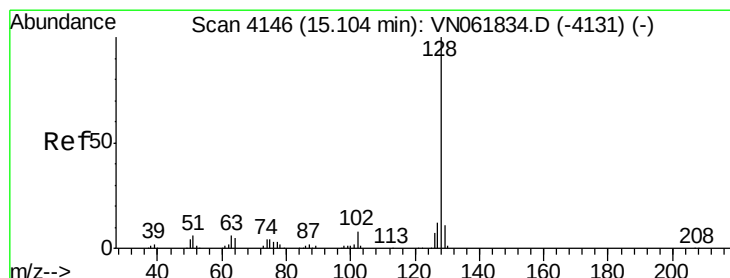
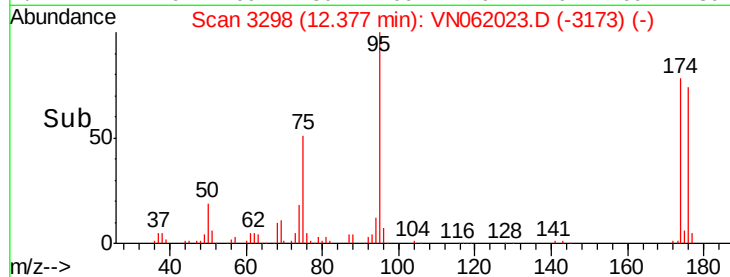
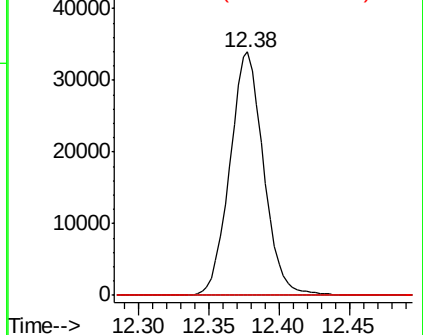
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061834.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061834.D (-3256) (-)



#95

Naphthalene

Concen: 3.542 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

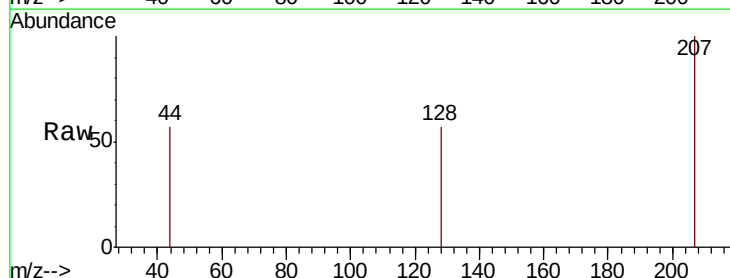
Tgt Ion: 128 Resp: 310

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN061834.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN061834.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN061834.D (-4131) (-)

