

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061869.D
 Acq On : 18 Jun 2020 00:16
 Operator : JC/MD
 Sample : L3011-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20200611

Quant Time: Jun 18 04:00:03 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	135760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	238199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90663	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	89370	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	7.55	113	79666	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.06	98	307651	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.38	95	101401	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

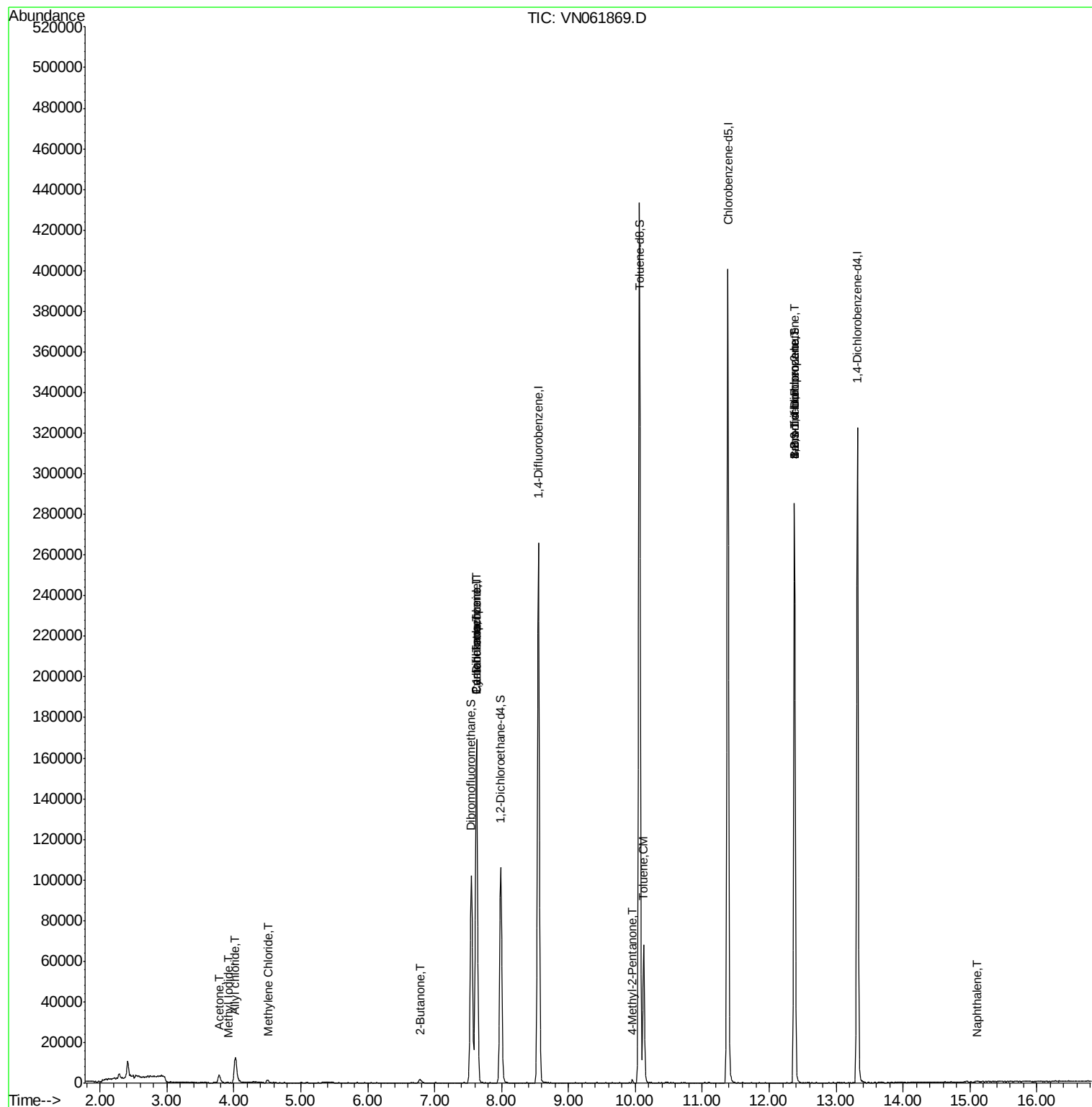
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.91	142	31	5.335	ug/l #	42
14) Allyl chloride	4.01	41	542	0.296	ug/l #	25
16) Acetone	3.78	43	6893	12.817	ug/l	98
20) Methylene Chloride	4.50	84	557	0.318	ug/l #	86
25) 2-Butanone	6.79	43	1048	1.336	ug/l #	44
31) Cyclohexane	7.63	56	2912	1.214	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	10793	4.750	ug/l #	49
38) Carbon Tetrachloride	7.63	117	13680	6.080	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	895	0.507	ug/l #	77
52) Toluene	10.13	92	29821	6.899	ug/l	97
71) Bromoform	12.37	173	624	0.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50672	28.468	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50672	77.645	ug/l #	14
95) Naphthalene	15.10	128	241	3.533	ug/l #	69

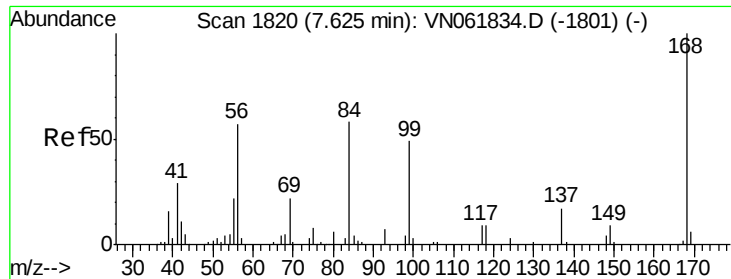
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

Instrument :

MSVOA_N

ClientSampleId :

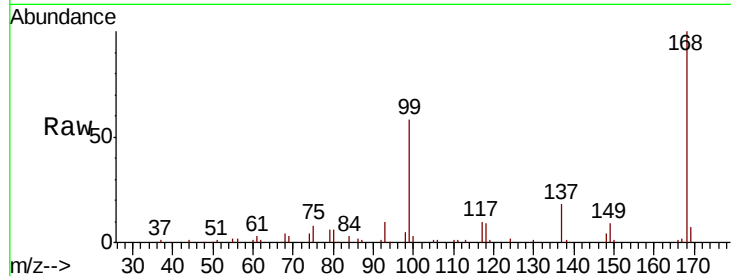
EB-20200611

Tot Ion:168 Resp: 135760

Ion Ratio Lower Upper

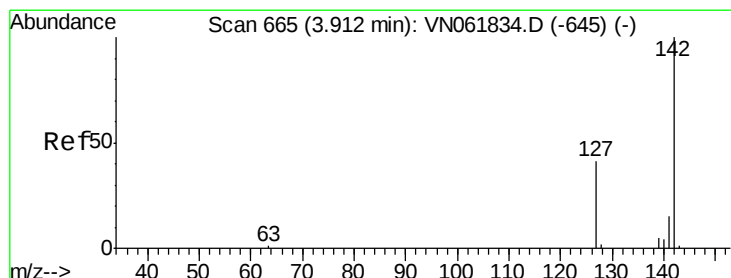
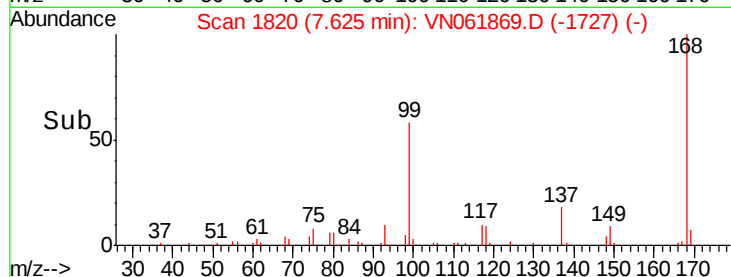
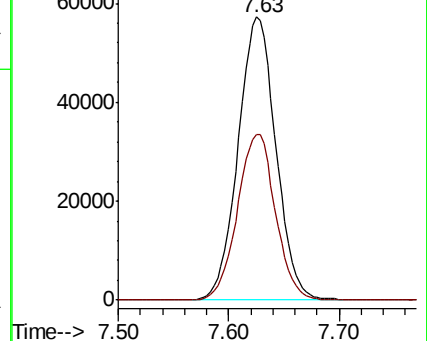
168 100

99 58.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 5.335 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

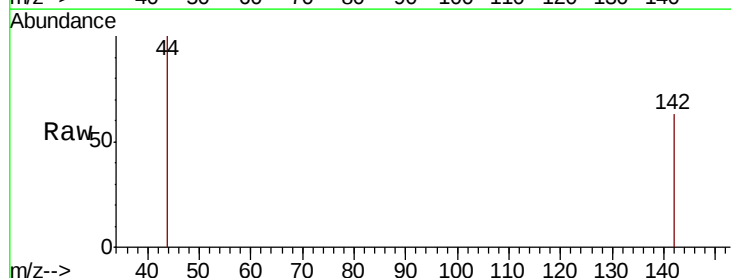
Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

127 0.0 33.4 50.0#

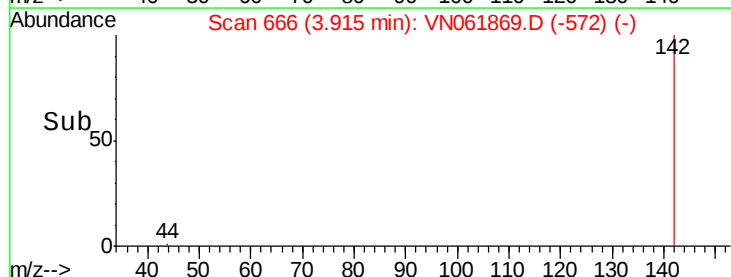
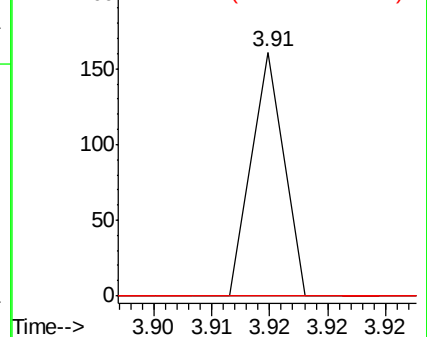
141 0.0 11.3 16.9#

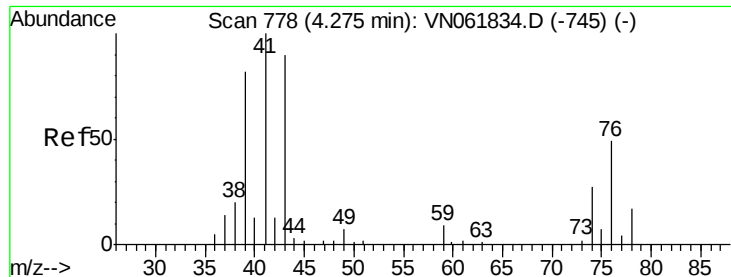


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#14

Allvl chloride

Concen: 0.296 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.27 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

Instrument :

MSVOA_N

ClientSampled :

EB-20200611

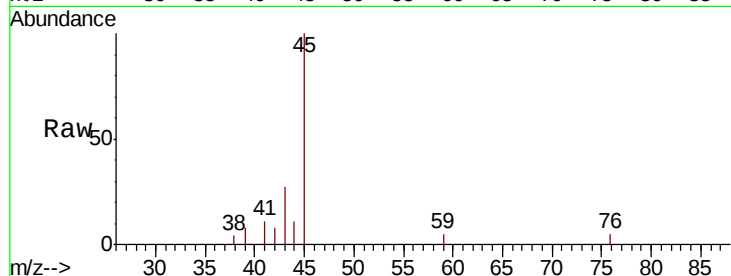
Tot Ion: 41 Resp: 542

Ion Ratio Lower Upper

41 100

39 0.0 60.2 90.2#

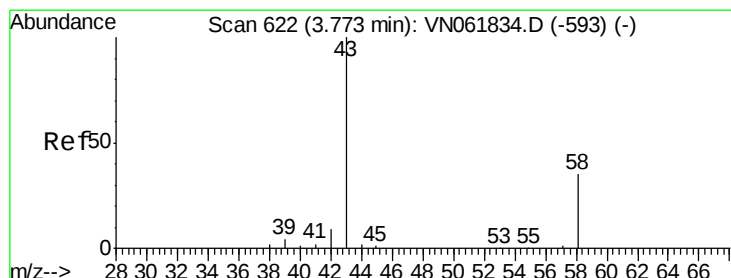
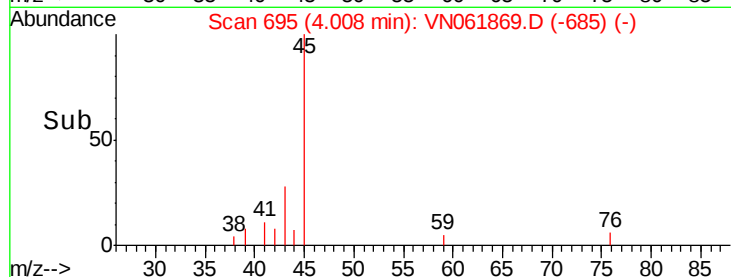
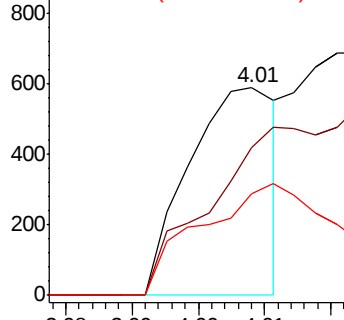
76 80.1 36.3 54.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 12.817 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061869.D

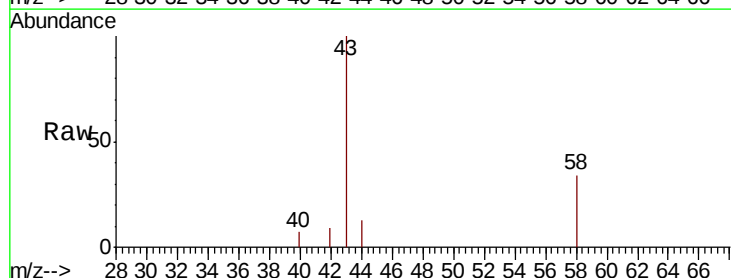
Acq: 18 Jun 2020 00:16

Tgt Ion: 43 Resp: 6893

Ion Ratio Lower Upper

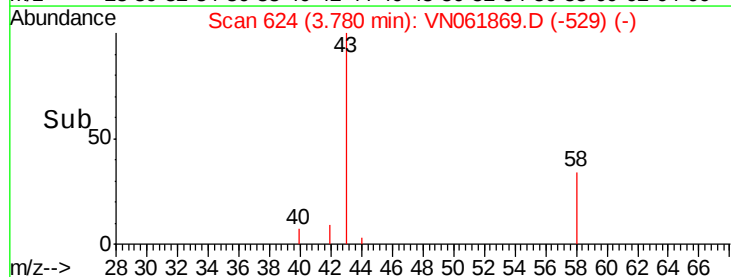
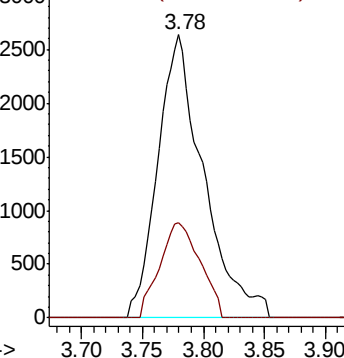
43 100

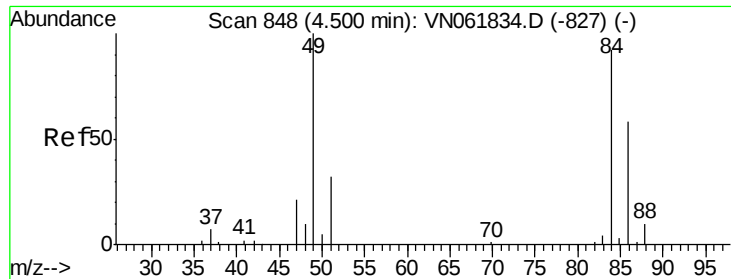
58 33.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

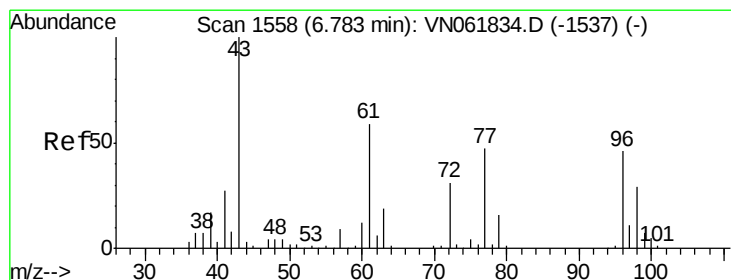
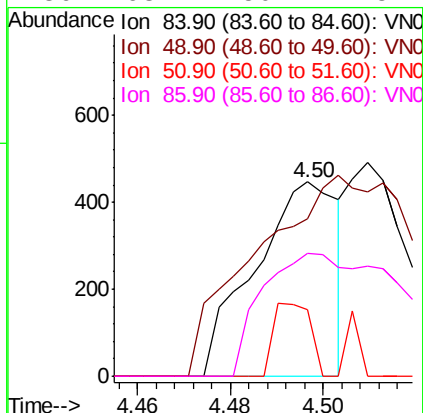
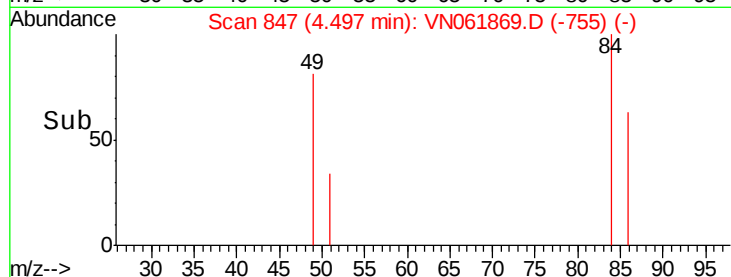
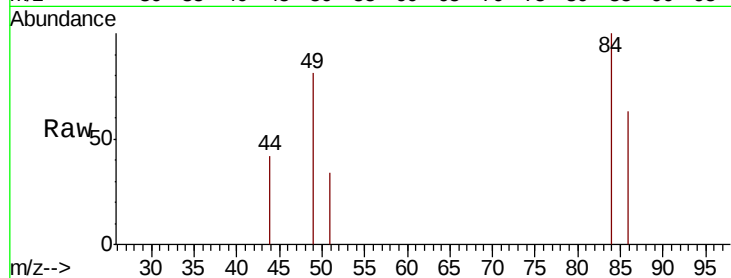




#20
Methvlene Chloride
Concen: 0.318 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

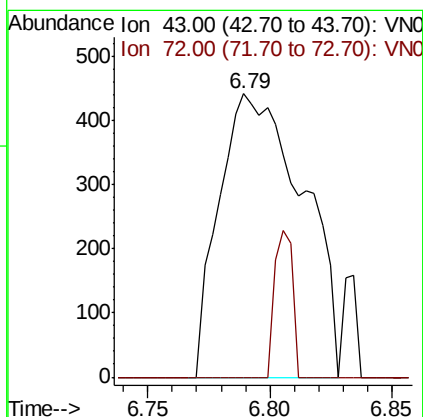
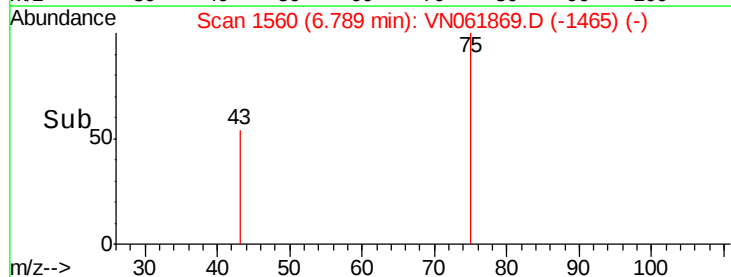
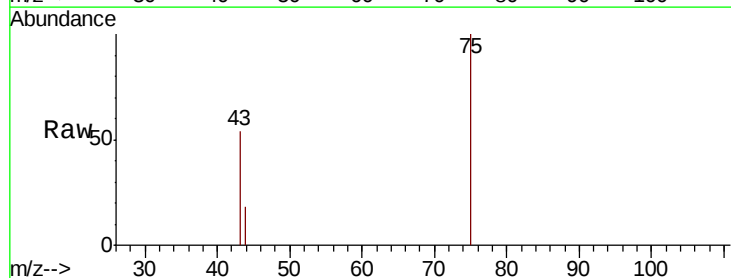
Instrument :
MSVOA_N
ClientSampled :
EB-20200611

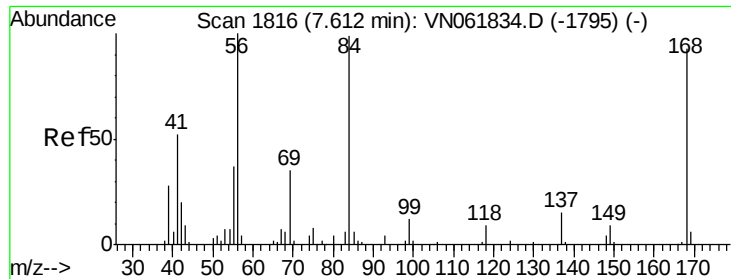
Tot Ion: 84 Resp: 557
Ion Ratio Lower Upper
84 100
49 81.0 87.0 130.4#
51 34.0 27.8 41.6
86 63.1 50.2 75.2



#25
2-Butanone
Concen: 1.336 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#

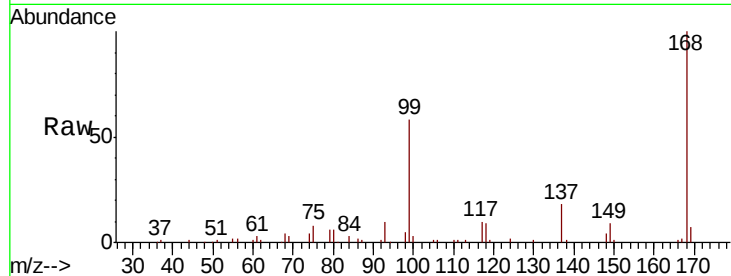




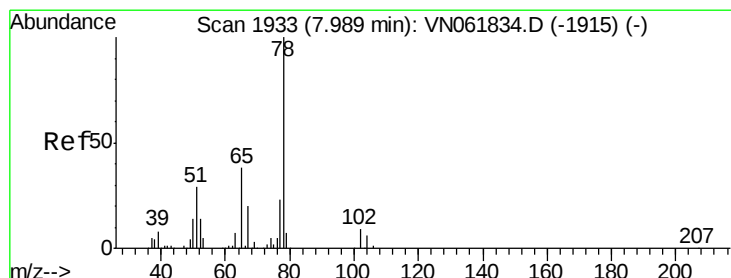
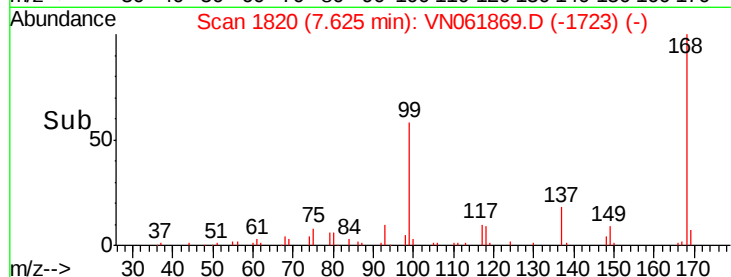
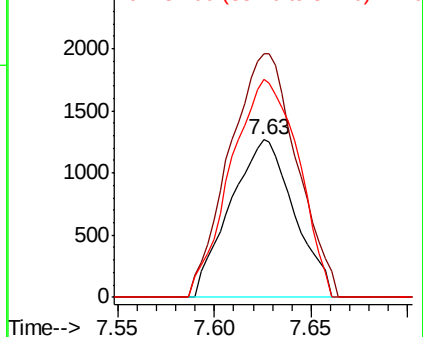
#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

Instrument :
MSVOA_N
ClientSampleId :
EB-20200611

Tot Ion: 56 Resp: 2912
Ion Ratio Lower Upper
56 100
69 154.7 27.7 41.5#
84 138.7 79.1 118.7#

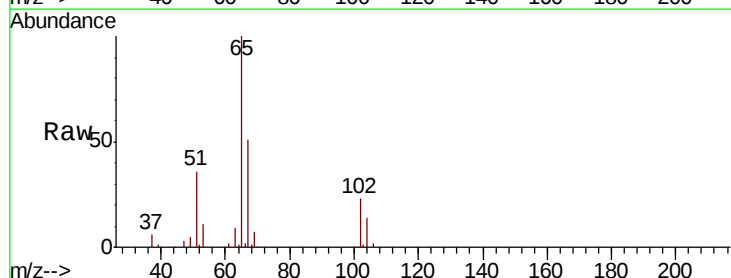


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

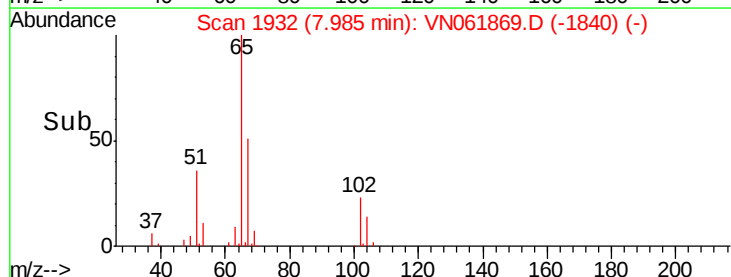
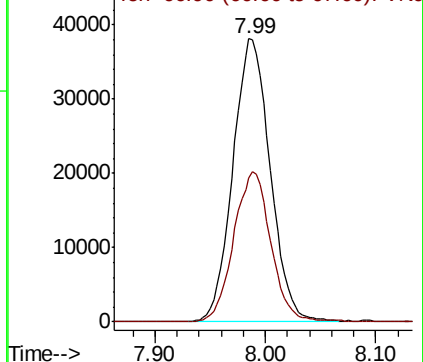


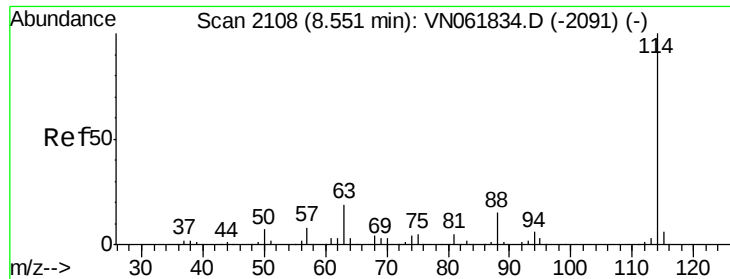
#33
1,2-Dichloroethane-d4
Concen: 49.084 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

Tgt Ion: 65 Resp: 89370
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2



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

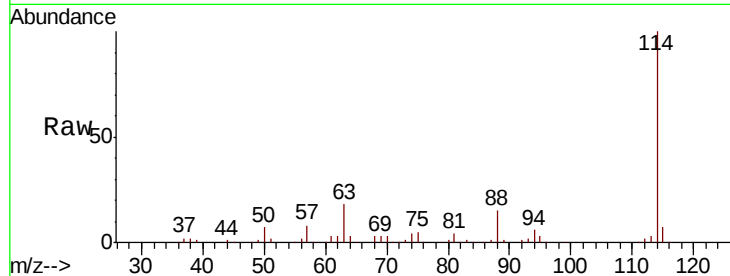




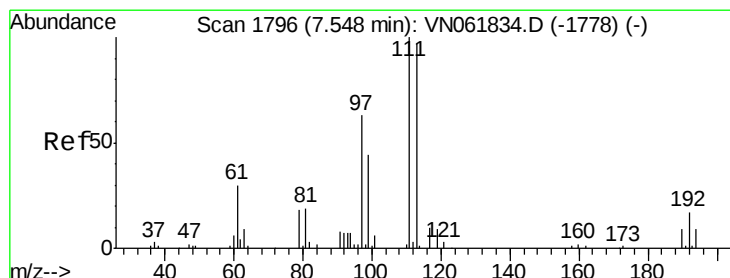
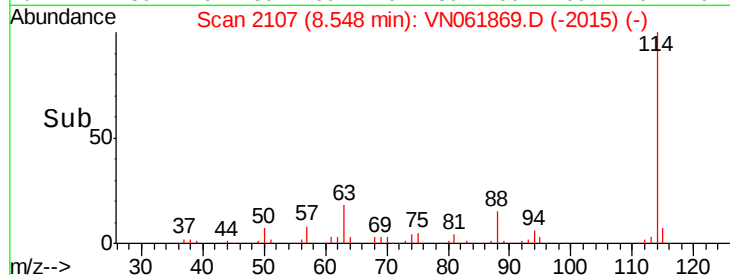
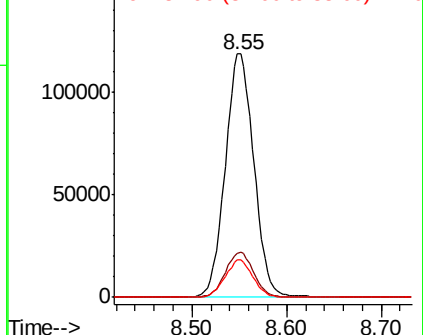
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061869.D
 Acq: 18 Jun 2020 00:16

Instrument :
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 EB-20200611

Tot Ion:114 Resp: 249093
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.6
 88 15.2 0.0 31.0

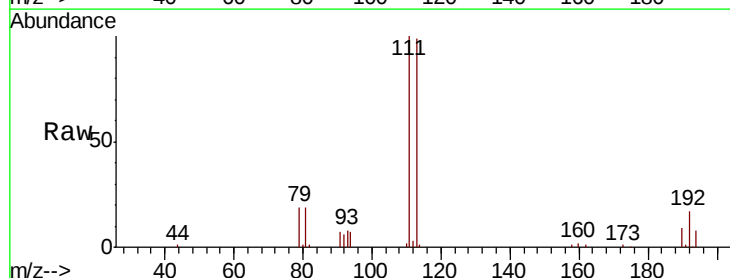


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

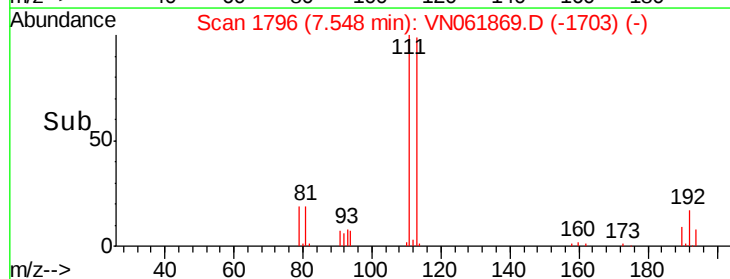
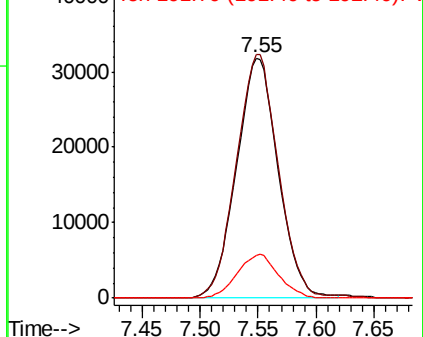


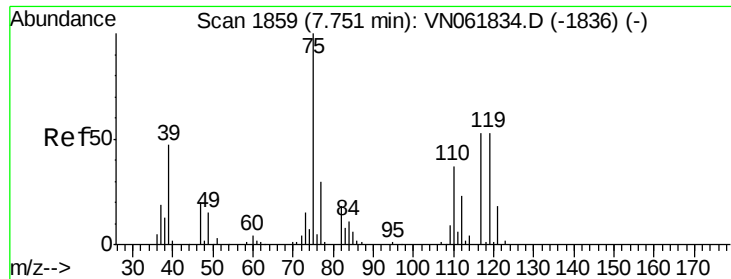
#35
 Dibromofluoromethane
 Concen: 49.992 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061869.D
 Acq: 18 Jun 2020 00:16

Tgt Ion:113 Resp: 79666
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.7 125.5
 192 17.9 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

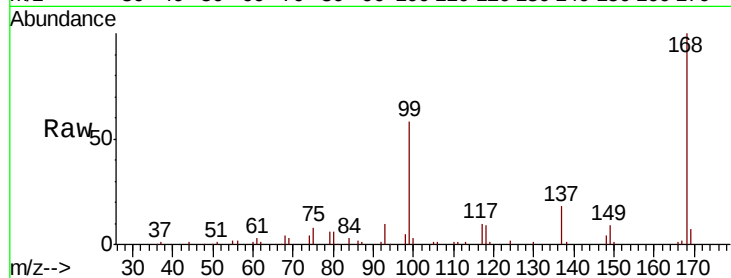




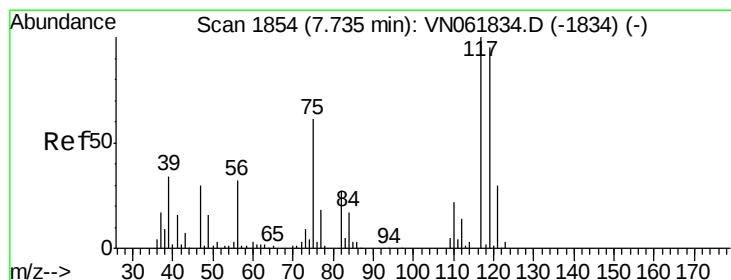
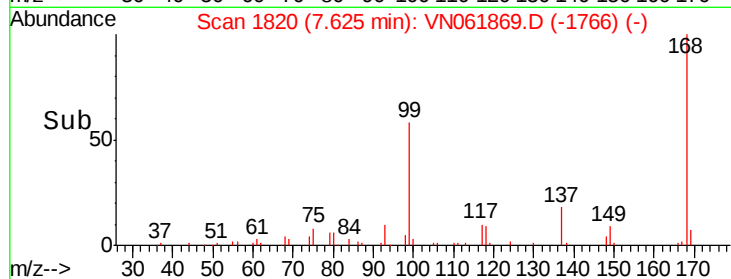
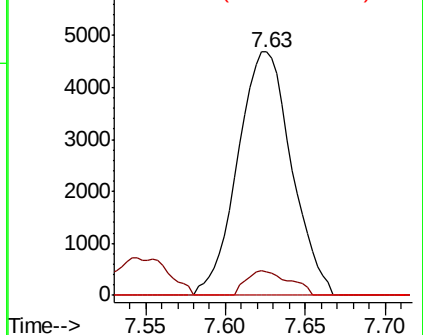
#36
 1,1-Dichloropropene
 Concen: 4.750 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061869.D
 Acq: 18 Jun 2020 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20200611

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.2	54.6#
77	0.0	24.2	36.4#

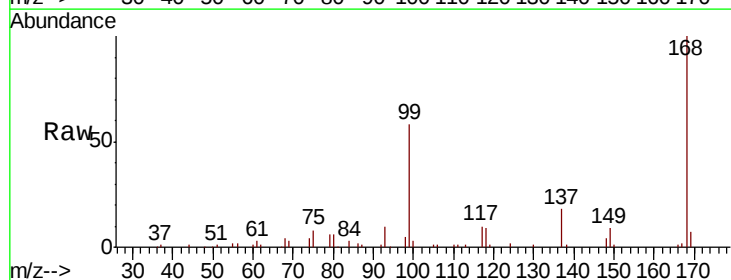


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

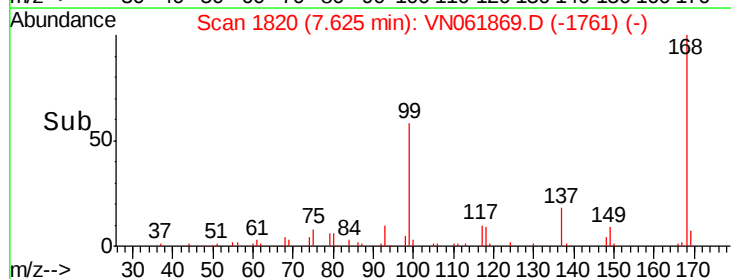
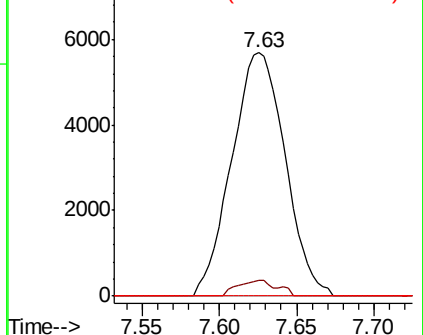


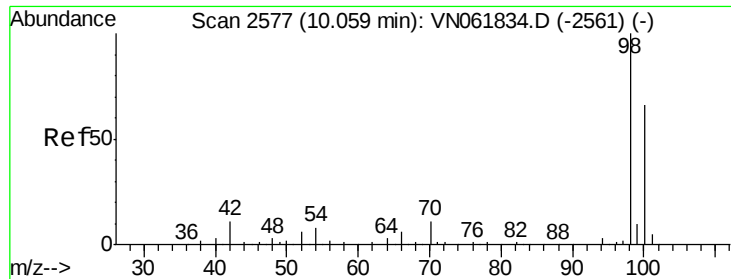
#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061869.D
 Acq: 18 Jun 2020 00:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)
 Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)
 Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)

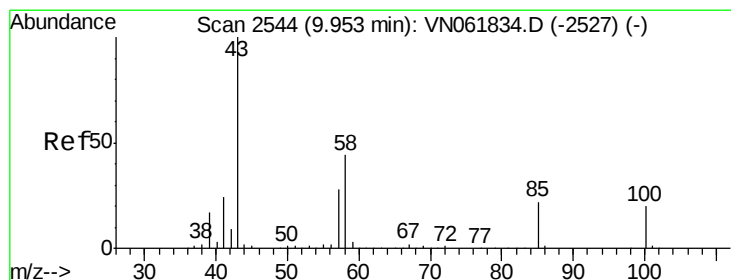
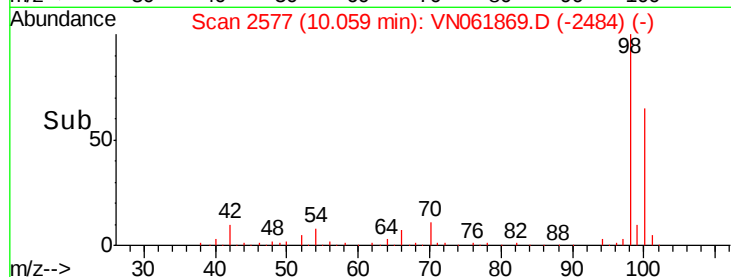
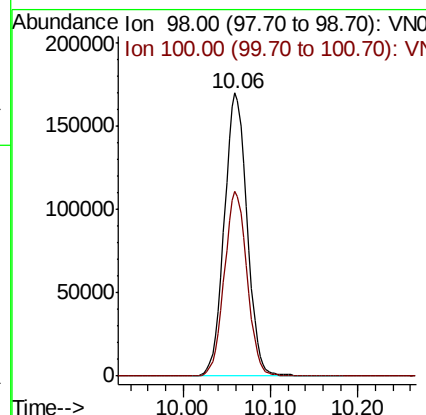
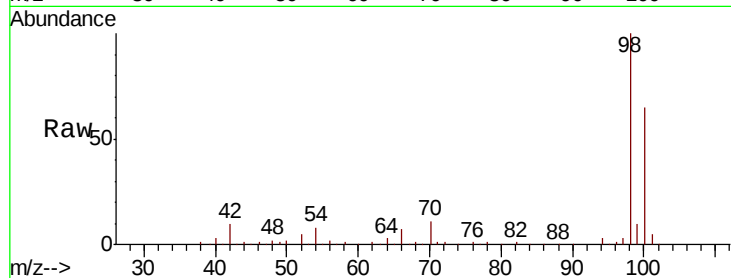




#50
Toluene-d8
Concen: 49.107 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

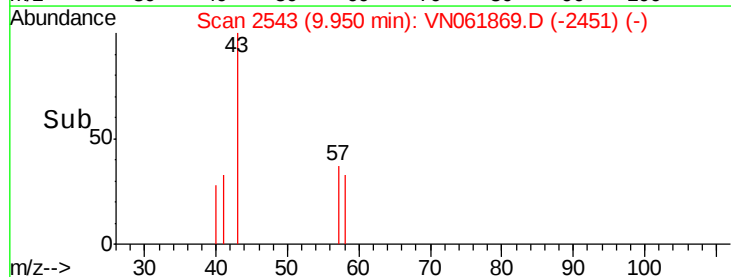
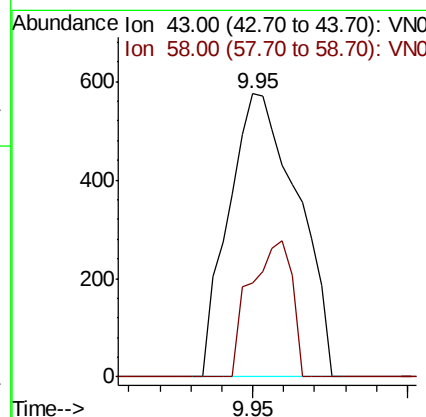
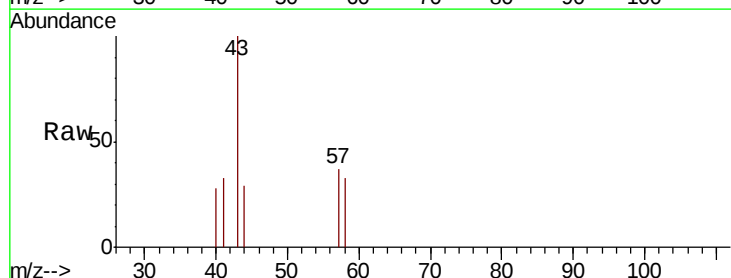
Instrument :
MSVOA_N
ClientSampled :
EB-20200611

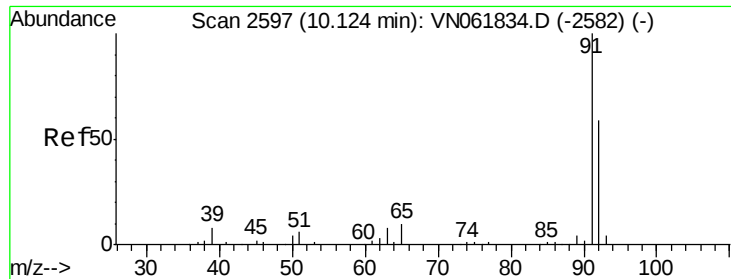
Tot Ion: 98 Resp: 307651
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.507 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

Tgt Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
58 28.7 34.6 52.0#





#52

Toluene

Concen: 6.899 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

Instrument :

MSVOA_N

ClientSampled :

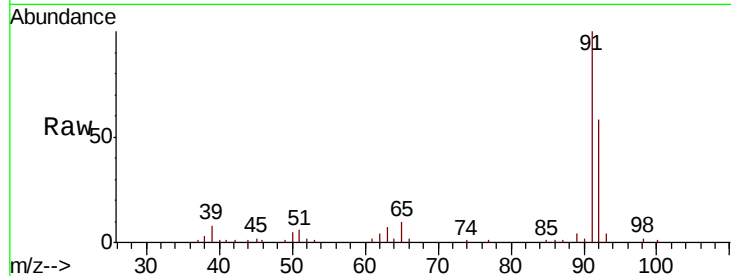
EB-20200611

Tot Ion: 92 Resp: 29821

Ion Ratio Lower Upper

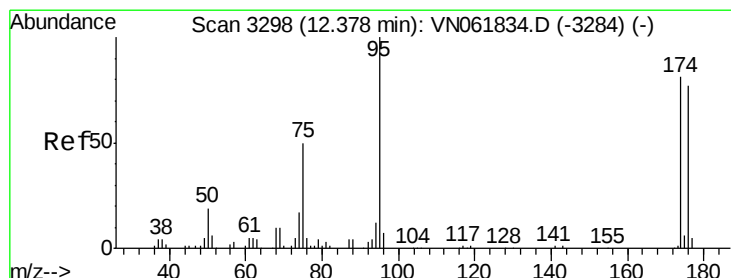
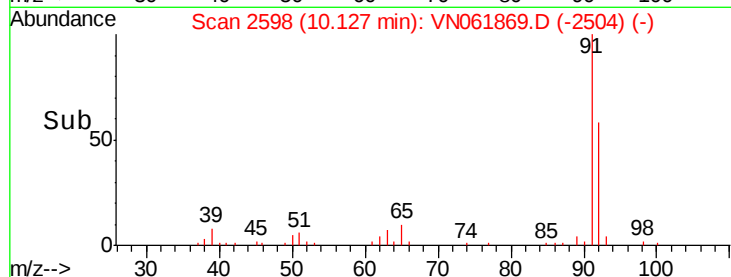
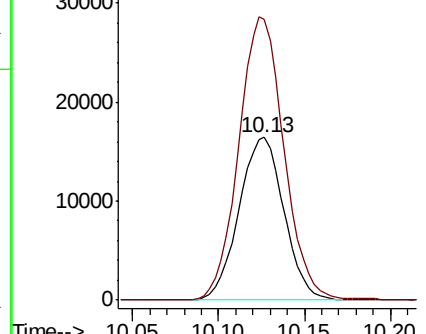
92 100

91 175.5 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.186 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

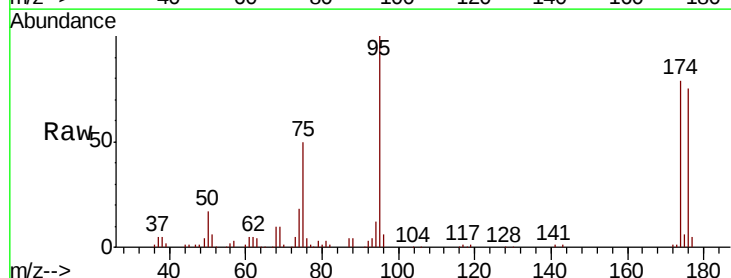
Tgt Ion: 95 Resp: 101401

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.6

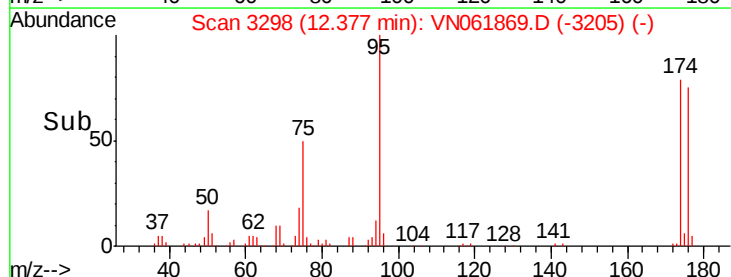
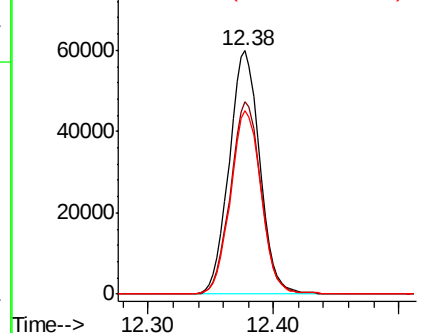
176 75.6 0.0 152.0

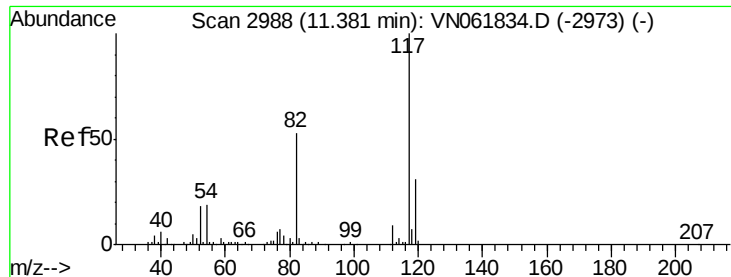


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

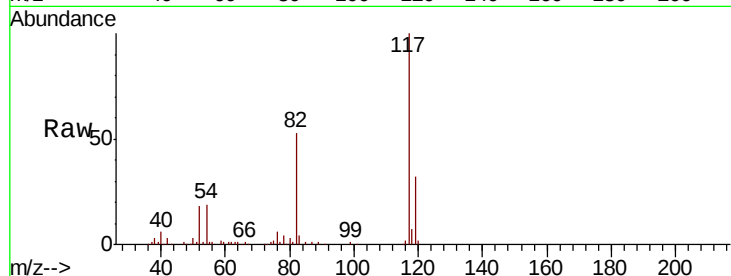




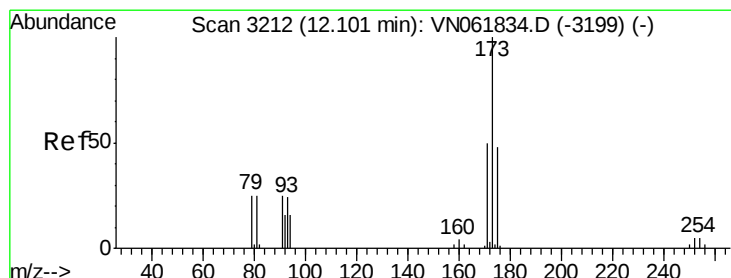
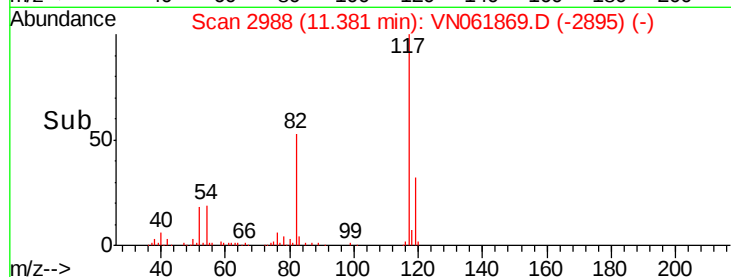
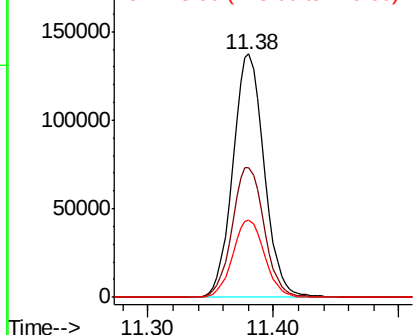
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

Instrument :
MSVOA_N
ClientSampleId :
EB-20200611

Tot Ion:117 Resp: 238199
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 31.6 24.7 37.1

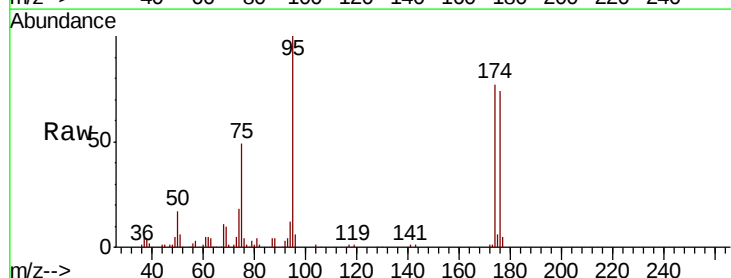


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

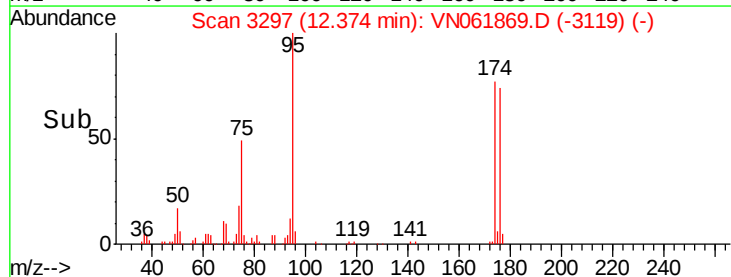
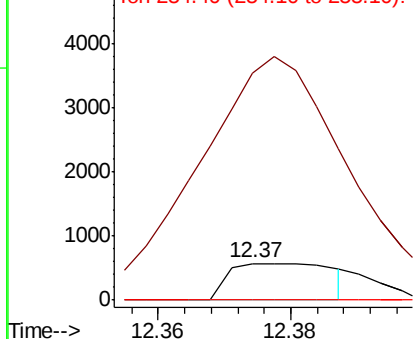


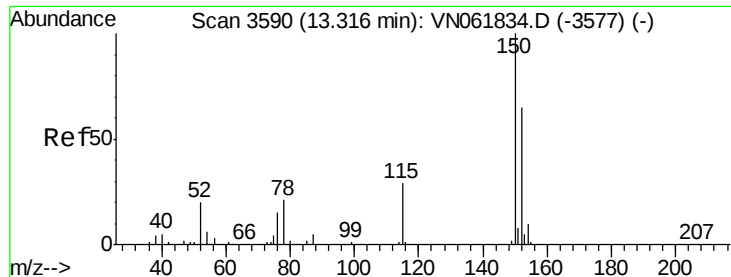
#71
Bromoform
Concen: 0.488 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061869.D
Acq: 18 Jun 2020 00:16

Tgt Ion:173 Resp: 624
Ion Ratio Lower Upper
173 100
175 821.5 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: VN061869.D

Acq: 18 Jun 2020 00:16

Instrument :

MSVOA_N

ClientSampled :

EB-20200611

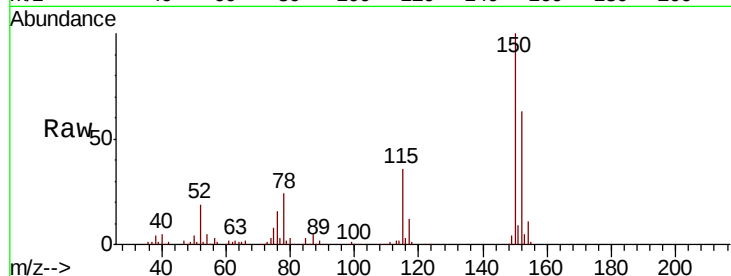
Tot Ion:152 Resp: 90663

Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

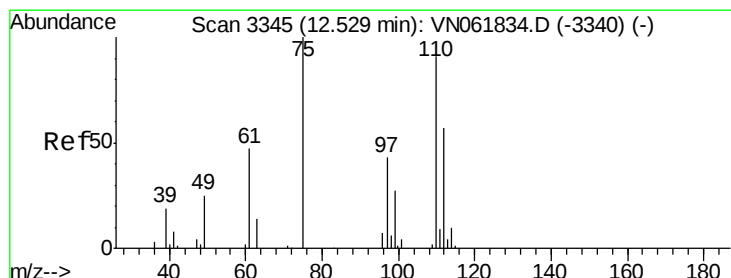
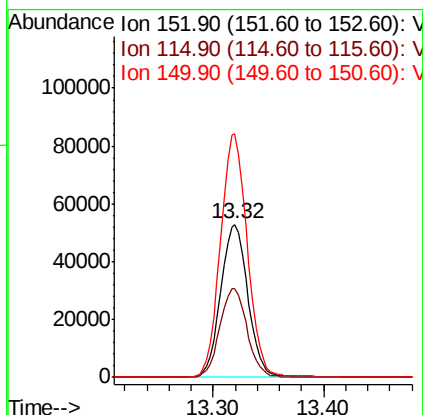
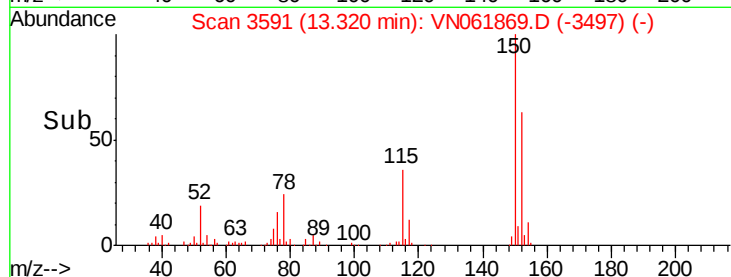
150 156.0 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 28.468 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061869.D

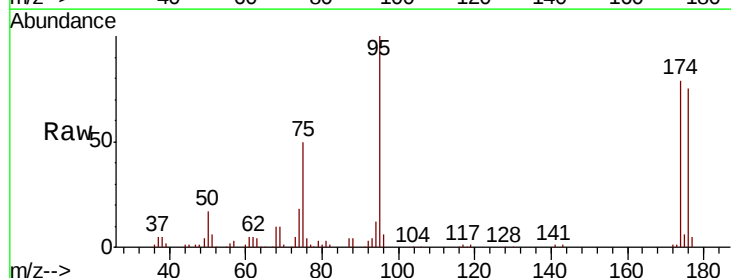
Acq: 18 Jun 2020 00:16

Tgt Ion: 75 Resp: 50672

Ion Ratio Lower Upper

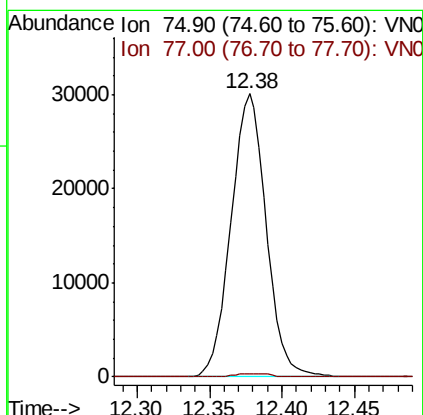
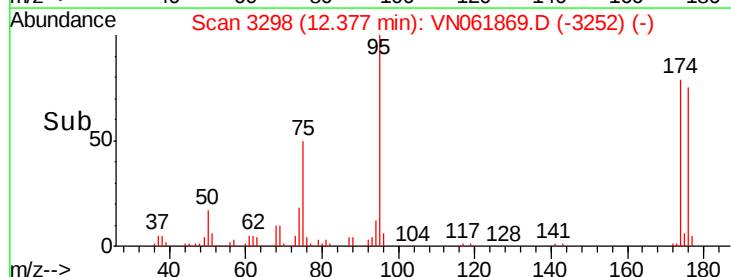
75 100

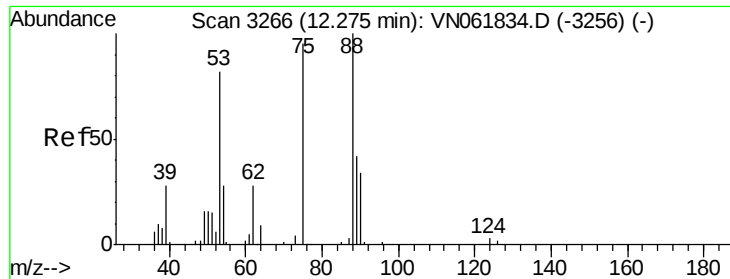
77 1.1 0.0 0.0#



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: 77.645 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

Instrument :

MSVOA_N

ClientSampled :

EB-20200611

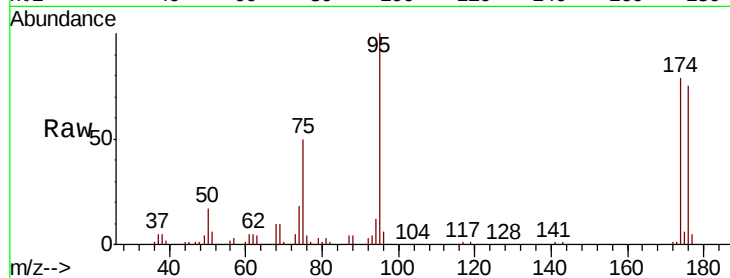
Tot Ion: 75 Resp: 50672

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

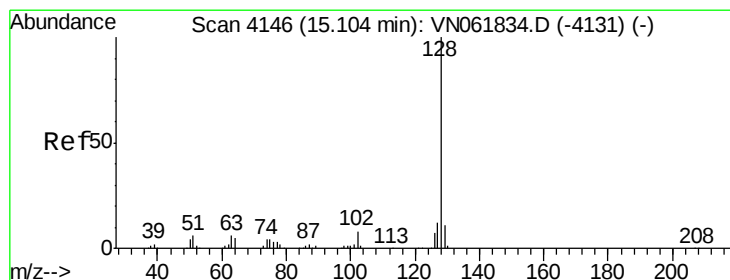
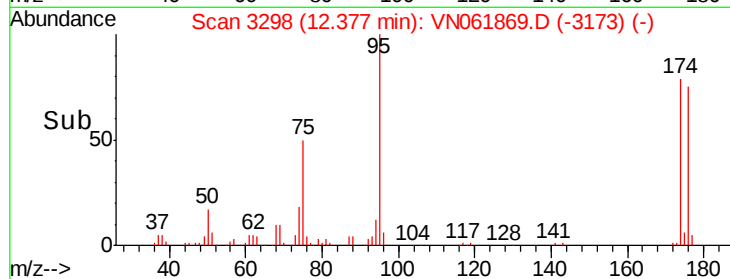
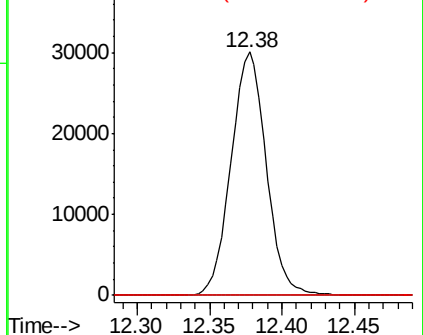
89 0.0 36.0 54.0#



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: 3.533 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061869.D

Acq: 18 Jun 2020 00:16

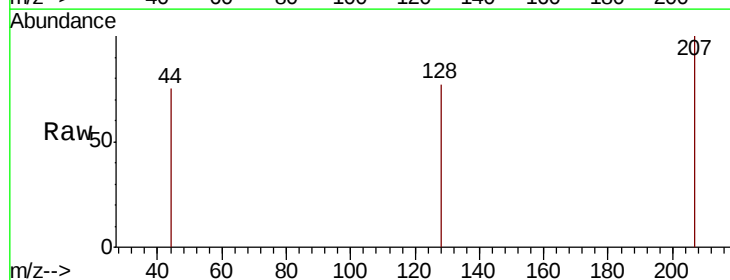
Tgt Ion: 128 Resp: 241

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) (-)

