

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062739.D
 Acq On : 3 Aug 2020 16:38
 Operator : JC/MD
 Sample : PB130675ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#01

Quant Time: Aug 04 03:33:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	126526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	221301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	226936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83913	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	107859	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	7.55	113	73013	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.06	98	298715	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.38	95	107021	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

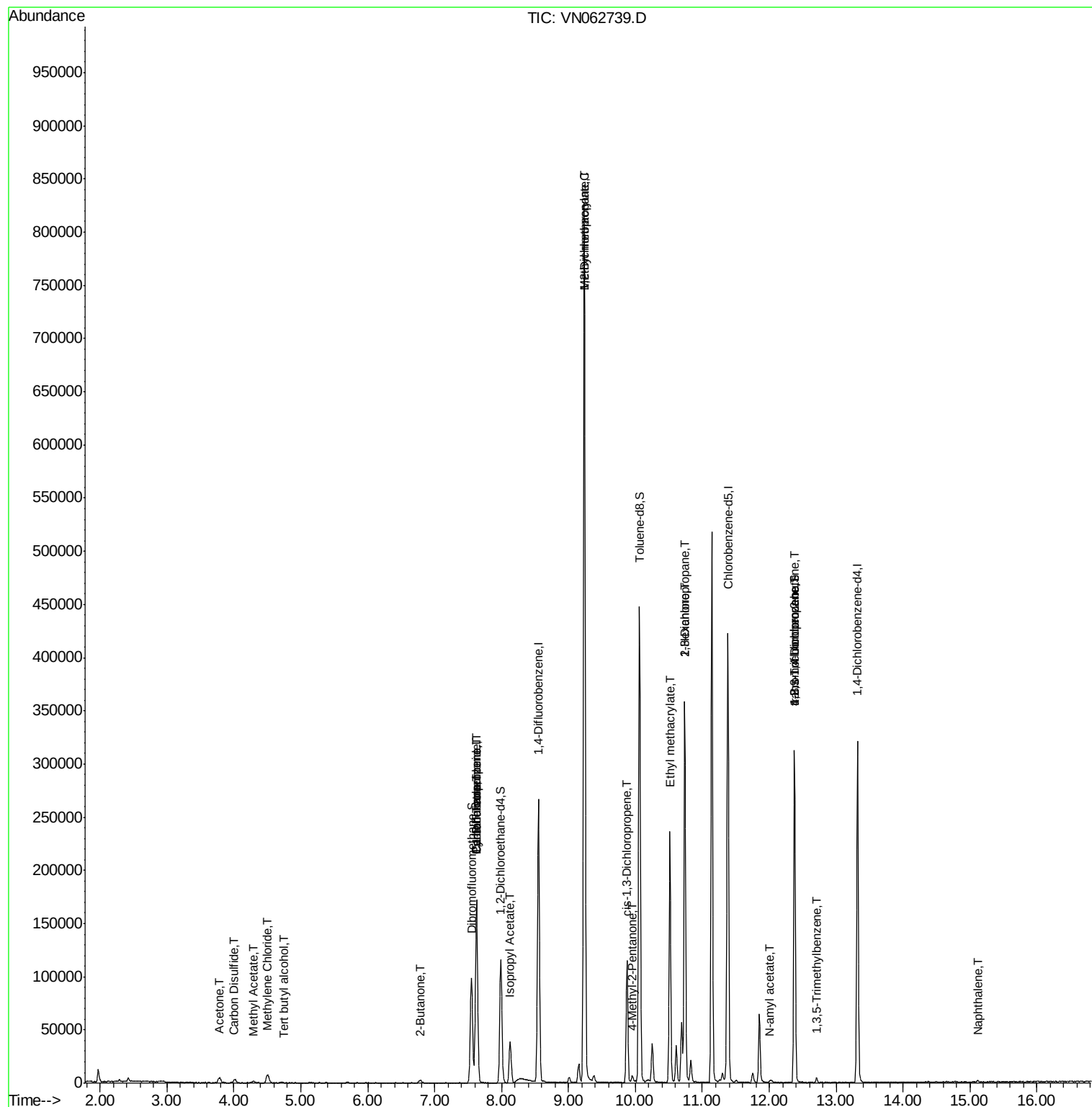
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	65	0.208	ug/l #	73
16) Acetone	3.78	43	9620	13.006	ug/l	95
17) Carbon Disulfide	4.01	76	6517	1.464	ug/l	97
18) Methyl Acetate	4.29	43	3707	1.980	ug/l	94
20) Methylene Chloride	4.50	84	5819	3.280	ug/l	97
25) 2-Butanone	6.80	43	1240	1.101	ug/l #	52
31) Cyclohexane	7.63	56	3069	1.060	ug/l #	2
36) 1,1-Dichloropropene	7.63	75	12070	5.117	ug/l #	50
38) Carbon Tetrachloride	7.63	117	13722	6.052	ug/l #	16
43) Isopropyl Acetate	8.13	43	45717	11.153	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	908	0.453	ug/l #	44
48) Methyl methacrylate	9.24	41	81879	42.021	ug/l #	45
51) 4-Methyl-2-Pentanone	9.96	43	3949	1.610	ug/l	92
54) cis-1,3-Dichloropropene	9.88	75	19103	6.370	ug/l #	66
56) Ethyl methacrylate	10.52	69	1000	2.103	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3528	1.197	ug/l #	42
59) 2-Hexanone	10.74	43	53568	30.866	ug/l #	52
74) N-amyl acetate	12.01	43	1582	0.534	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	61061	28.588	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3008	0.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	61061	79.583	ug/l #	12
95) Naphthalene	15.11	128	1813	4.211	ug/l #	73

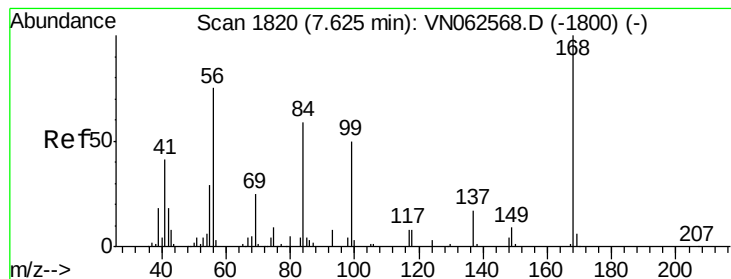
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 03:33:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

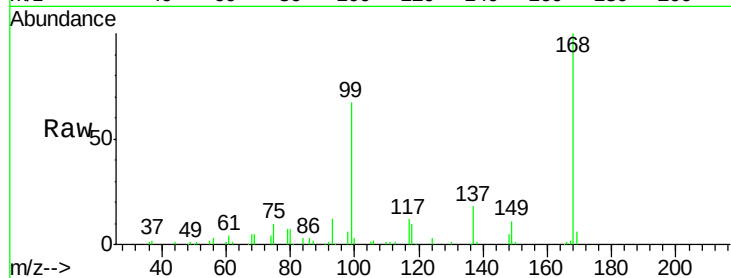
PB130675ZHE#01

Tot Ion:168 Resp: 126526

Ion Ratio Lower Upper

168 100

99 66.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

50000

40000

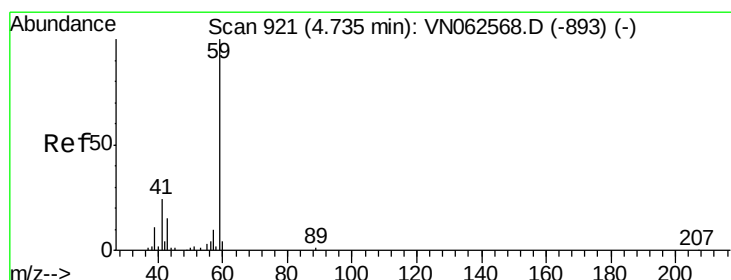
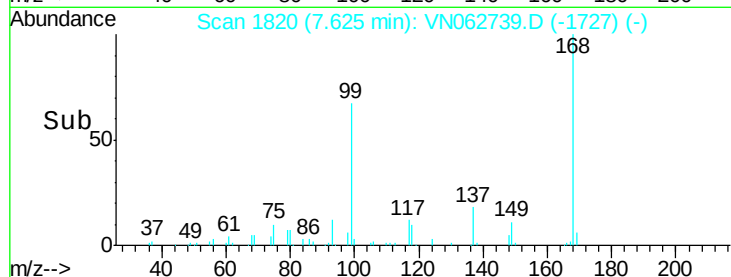
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.208 ug/l

RT: 4.74 min Scan# 924

Delta R.T. 0.01 min

Lab File: VN062739.D

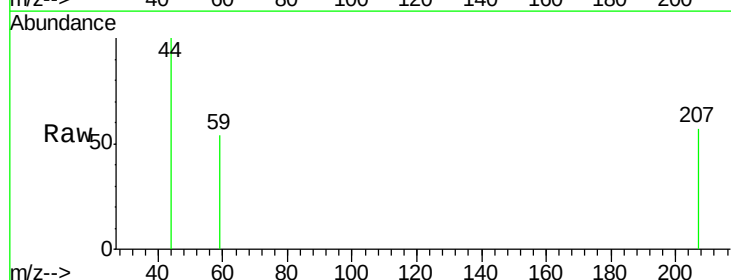
Acq: 3 Aug 2020 16:38

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

200

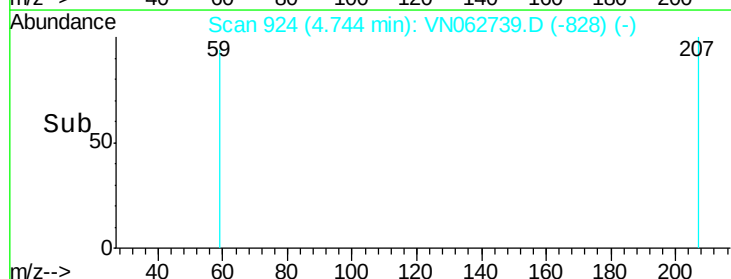
150

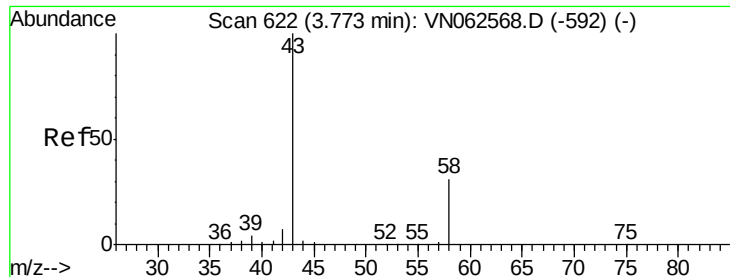
100

50

0

Time-->





#16

Acetone

Concen: 13.006 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

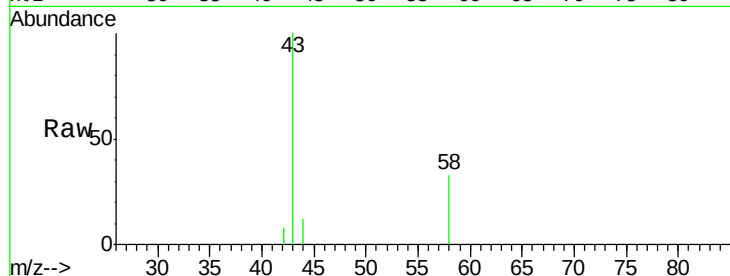
PB130675ZHE#01

Tot Ion: 43 Resp: 9620

Ion Ratio Lower Upper

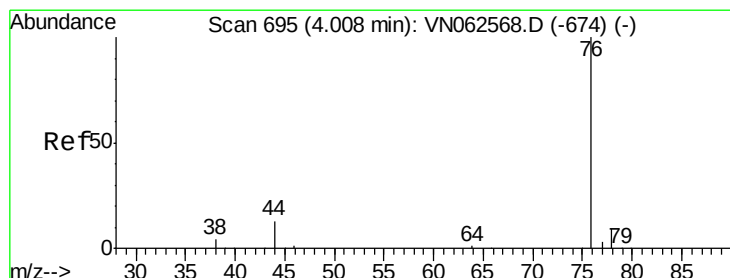
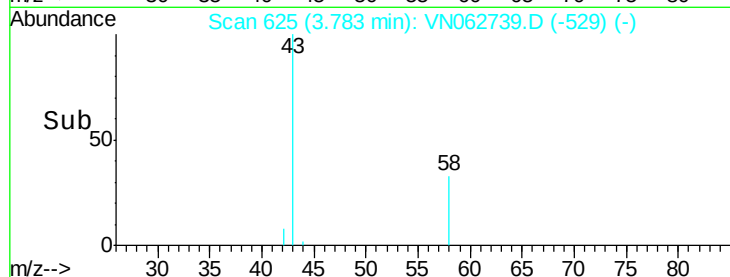
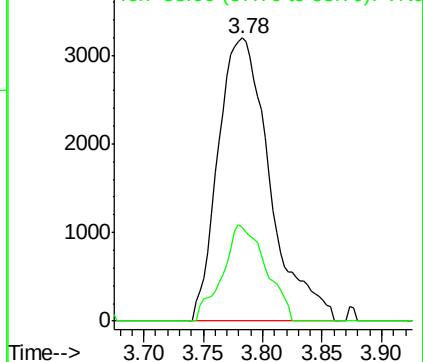
43 100

58 33.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062739.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062739.D (-529) (-)



#17

Carbon Disulfide

Concen: 1.464 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062739.D

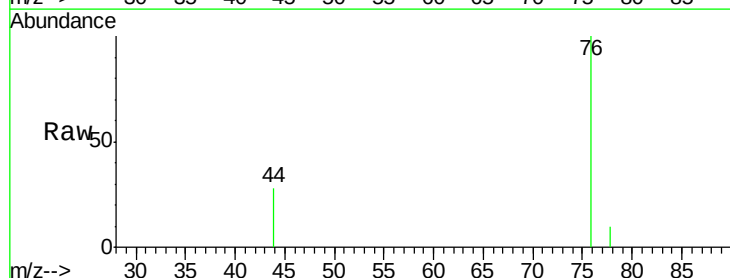
Acq: 3 Aug 2020 16:38

Tgt Ion: 76 Resp: 6517

Ion Ratio Lower Upper

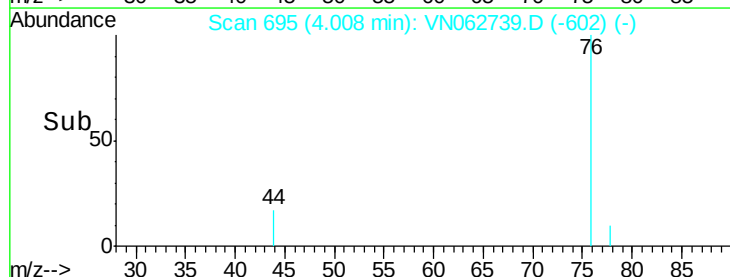
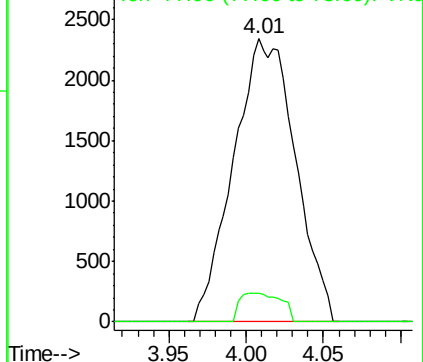
76 100

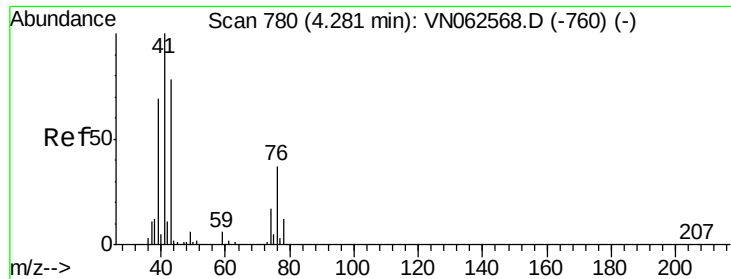
78 10.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062739.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN062739.D (-602) (-)





#18

Methvl Acetate

Concen: 1.980 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

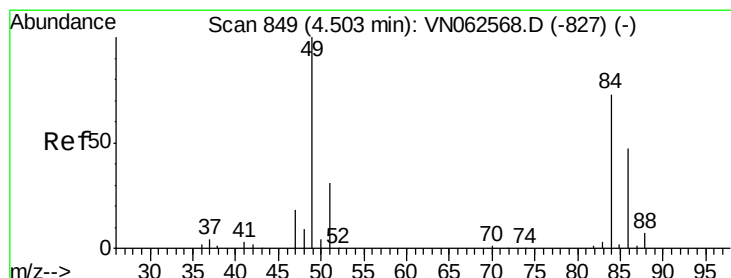
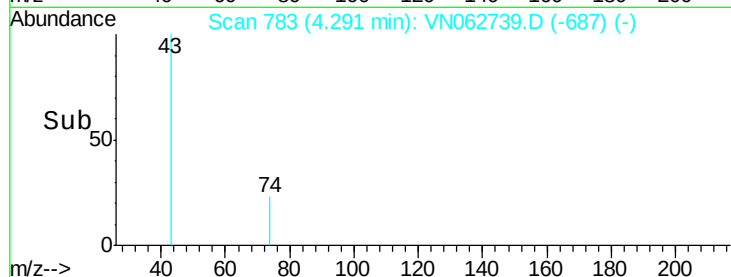
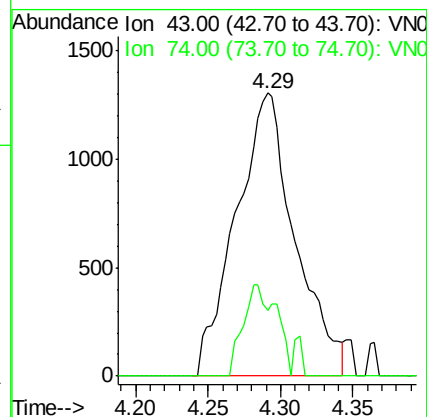
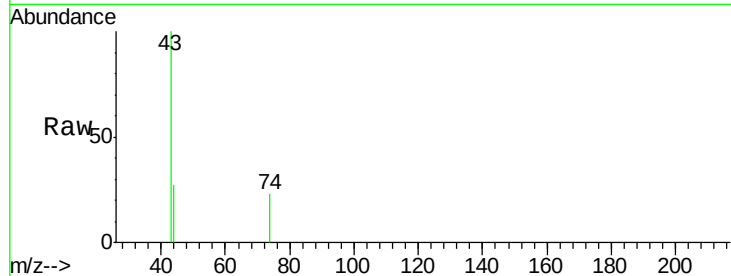
PB130675ZHE#01

Tot Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

74 18.1 16.6 24.8



#20

Methylene Chloride

Concen: 3.280 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Tgt Ion: 84 Resp: 5819

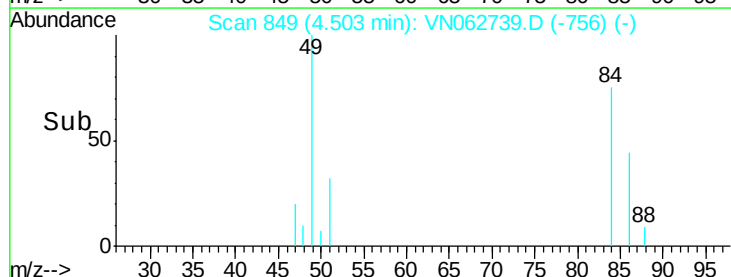
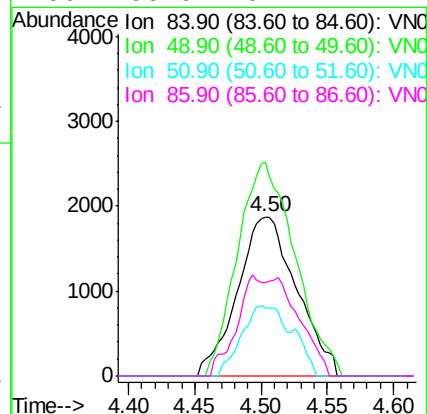
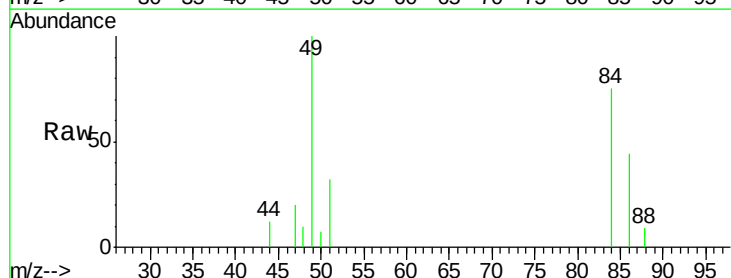
Ion Ratio Lower Upper

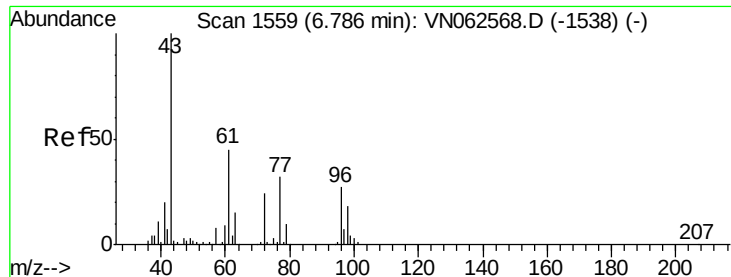
84 100

49 134.2 109.4 164.0

51 42.5 33.6 50.4

86 58.5 51.4 77.2

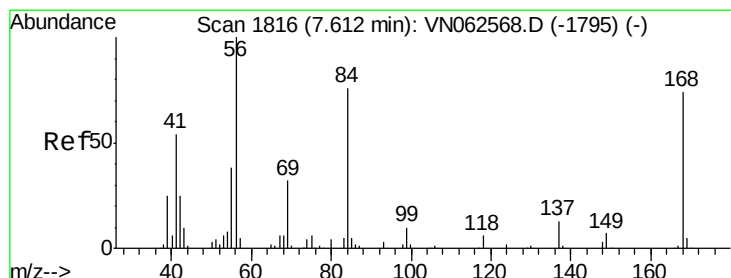
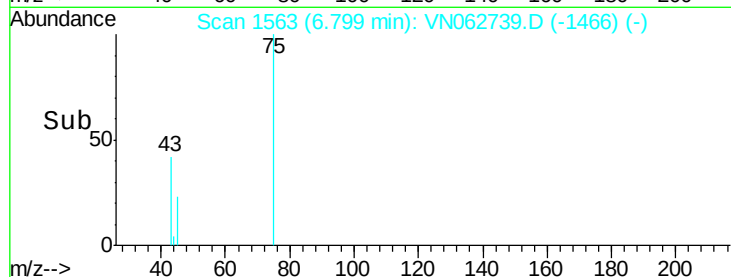
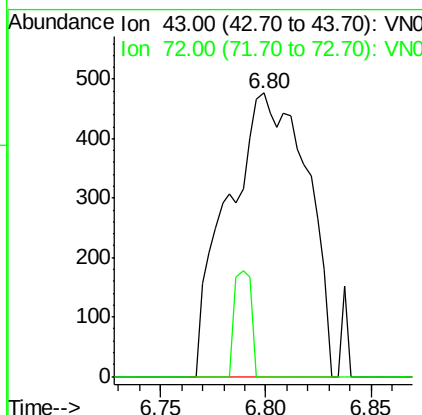
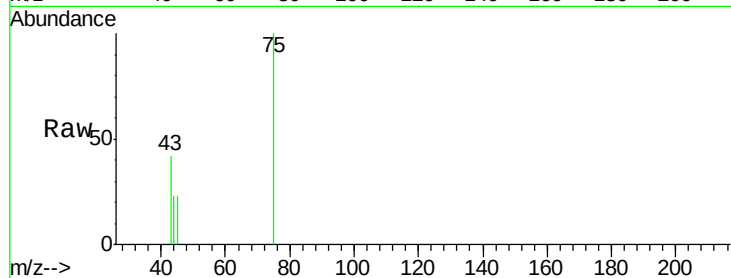




#25
2-Butanone
Concen: 1.101 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062739.D
Acq: 3 Aug 2020 16:38

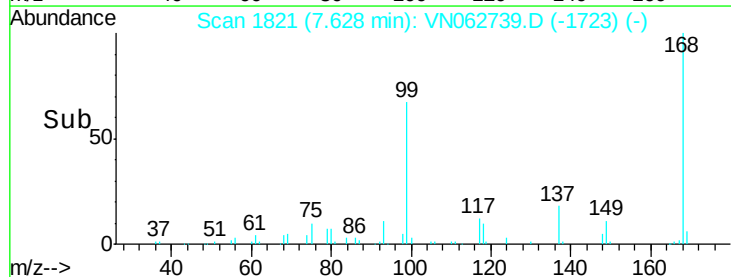
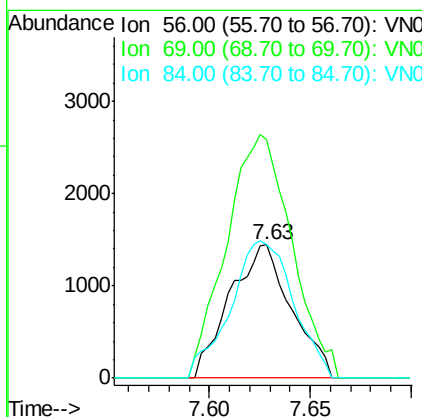
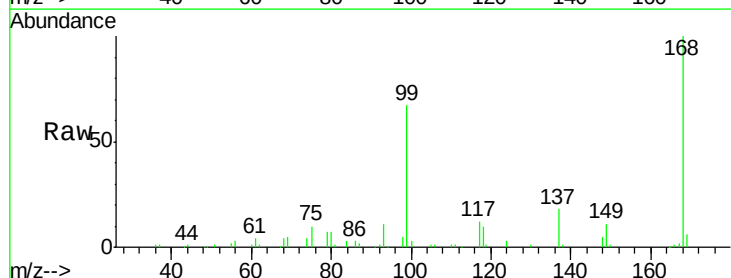
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#01

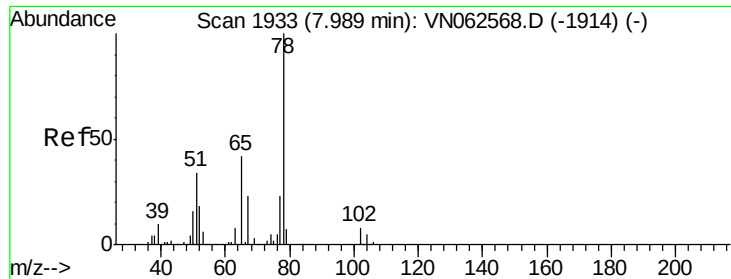
Tot Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062739.D
Acq: 3 Aug 2020 16:38

Tgt Ion: 56 Resp: 3069
Ion Ratio Lower Upper
56 100
69 178.8 25.3 37.9#
84 100.6 61.0 91.4#

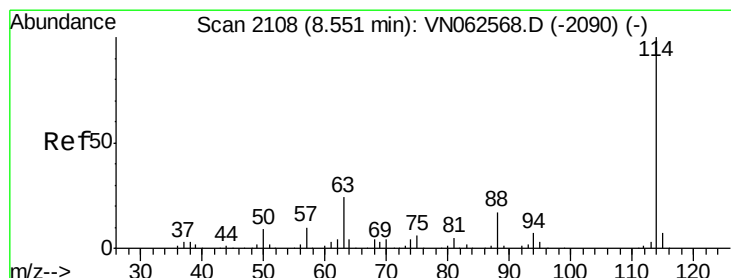
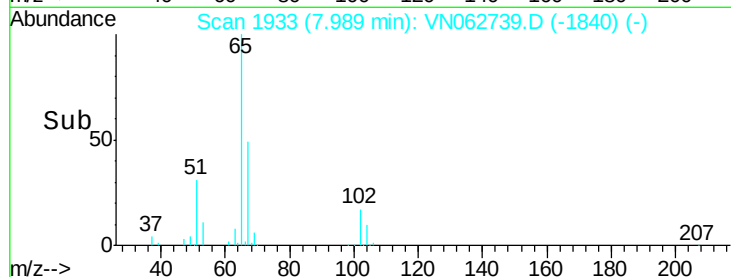
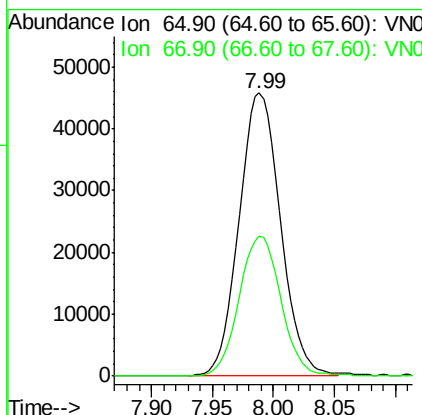
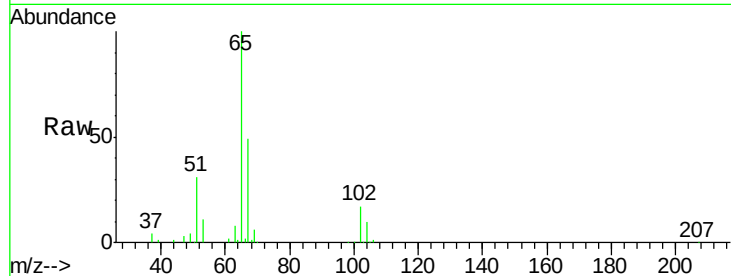




#33
 1,2-Dichloroethane-d4
 Concen: 54.876 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

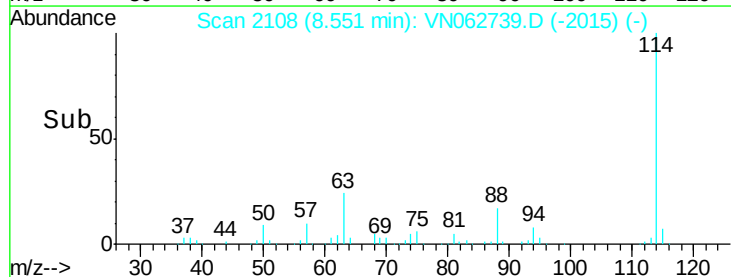
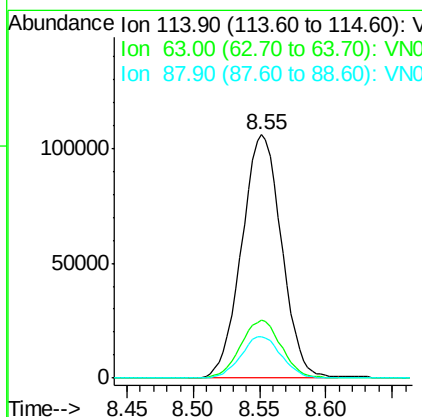
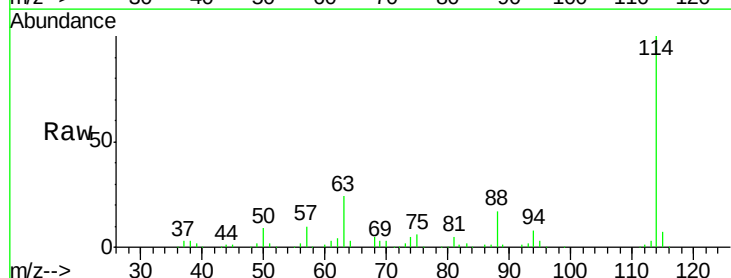
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#01

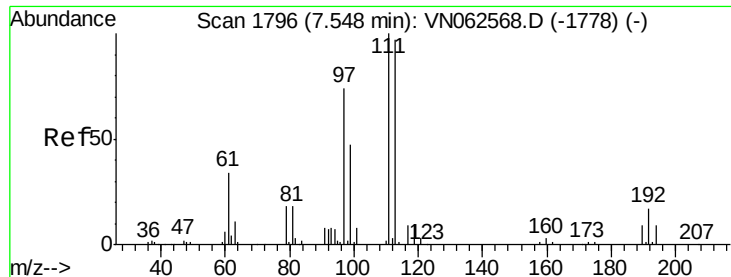
Tot Ion: 65 Resp: 107859
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

Tgt Ion: 114 Resp: 221301
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.4
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.228 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#01

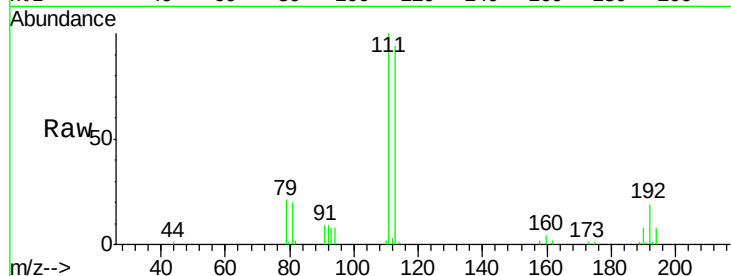
Tot Ion:113 Resp: 73013

Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

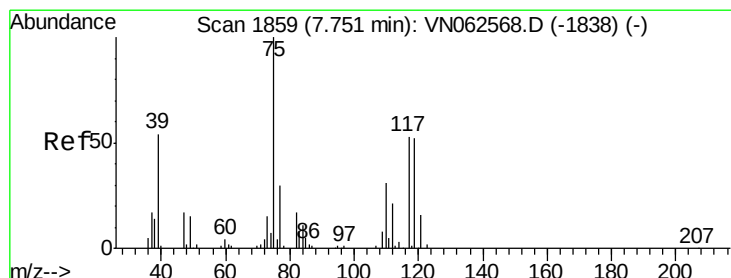
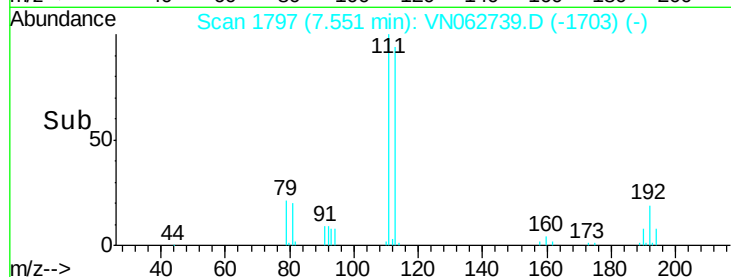
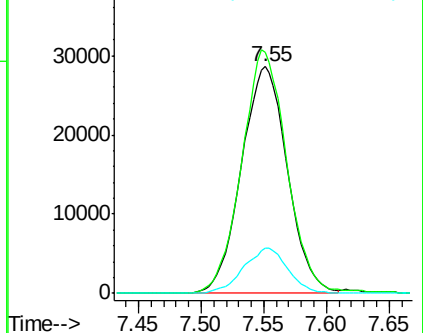
192 19.1 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.117 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

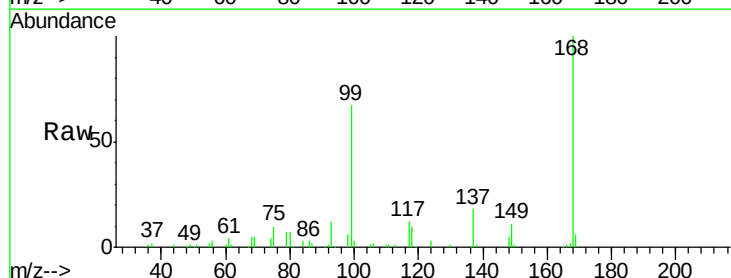
Tgt Ion: 75 Resp: 12070

Ion Ratio Lower Upper

75 100

110 7.7 16.0 48.0#

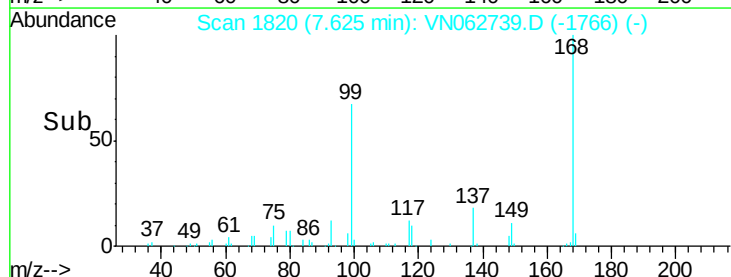
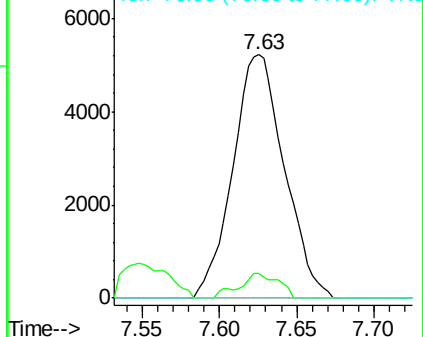
77 0.0 24.6 36.8#

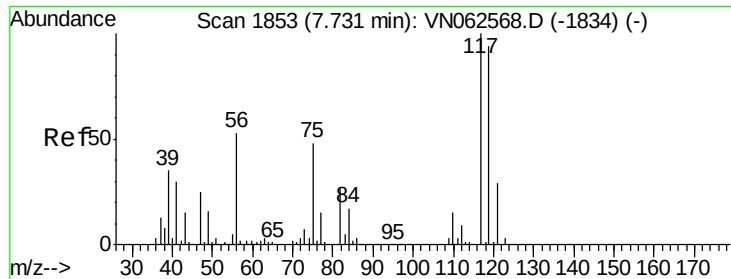


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.052 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#01

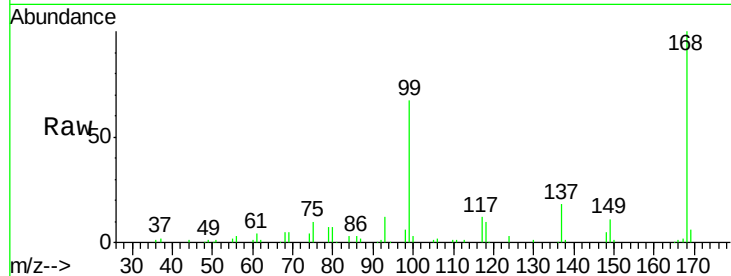
Tot Ion:117 Resp: 13722

Ion Ratio Lower Upper

117 100

119 4.0 74.8 112.2#

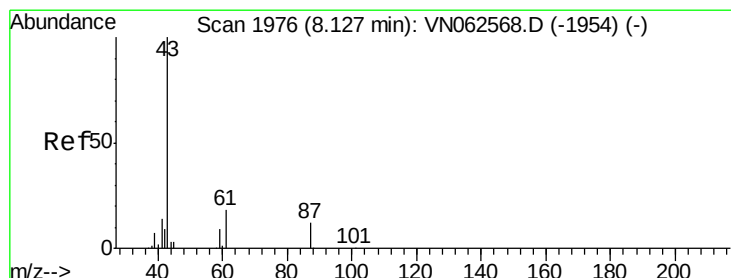
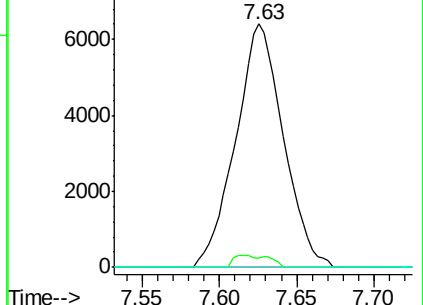
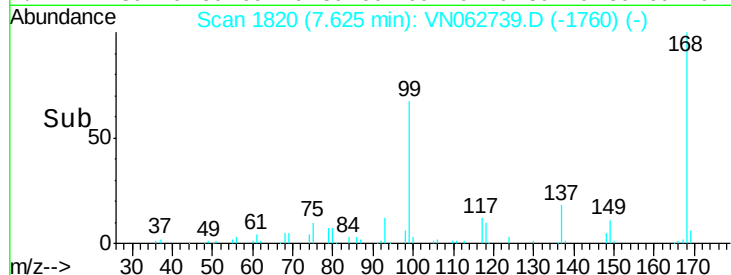
121 0.0 23.0 34.6#



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



#43

Isopropyl Acetate

Concen: 11.153 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

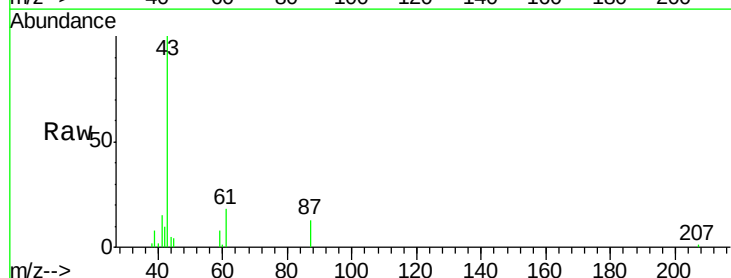
Tgt Ion: 43 Resp: 45717

Ion Ratio Lower Upper

43 100

61 18.4 20.8 31.2#

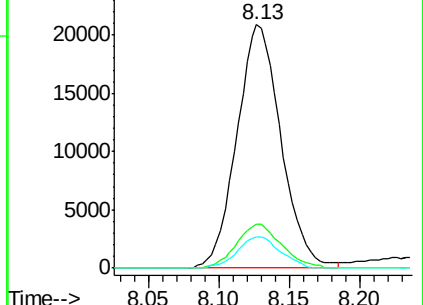
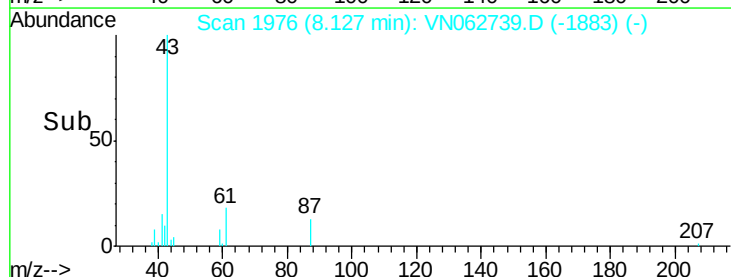
87 12.4 9.2 13.8

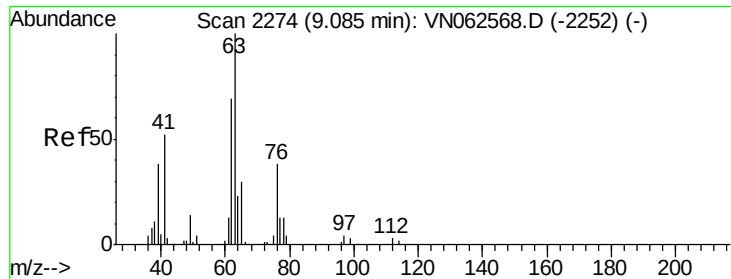


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

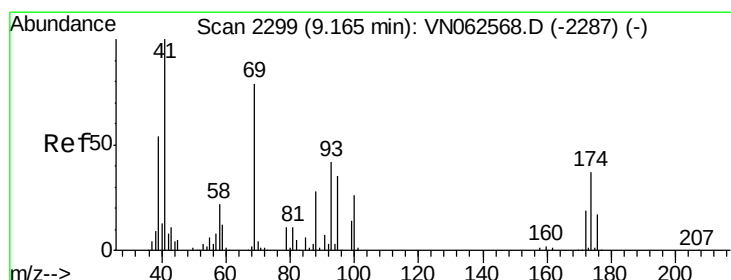
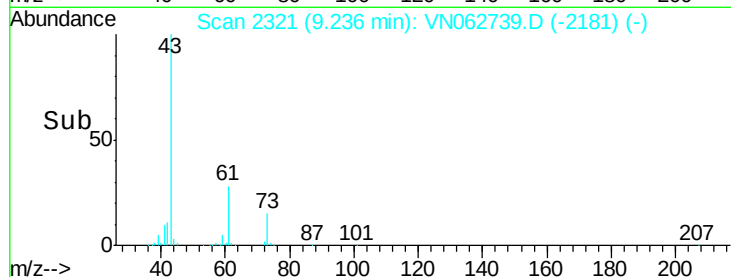
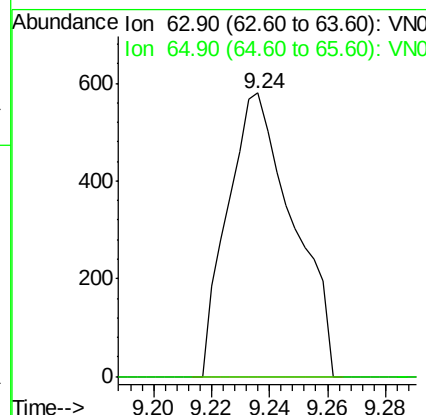
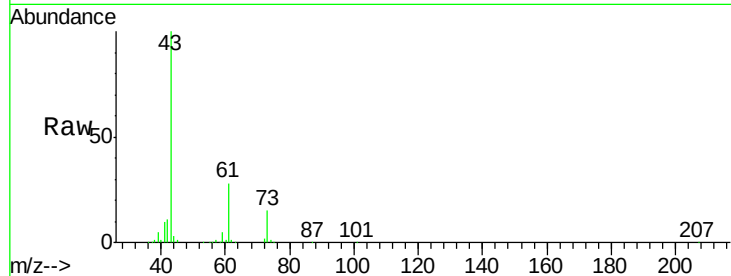




#45
 1,2-Dichloropropane
 Concen: 0.453 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

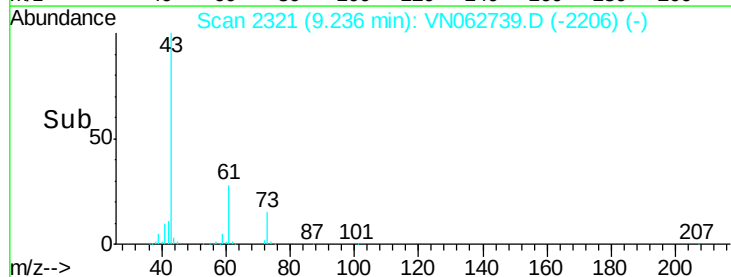
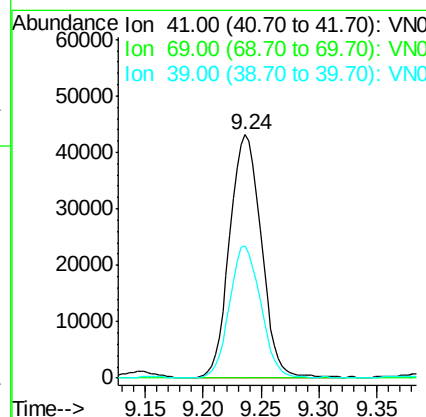
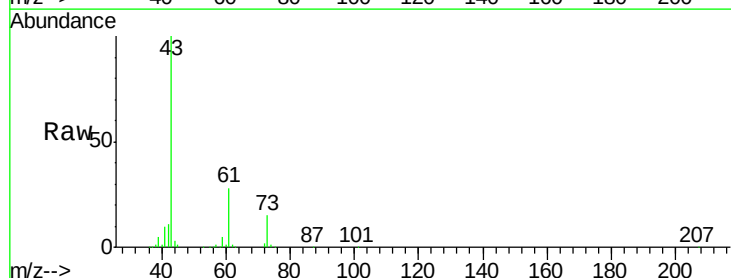
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#01

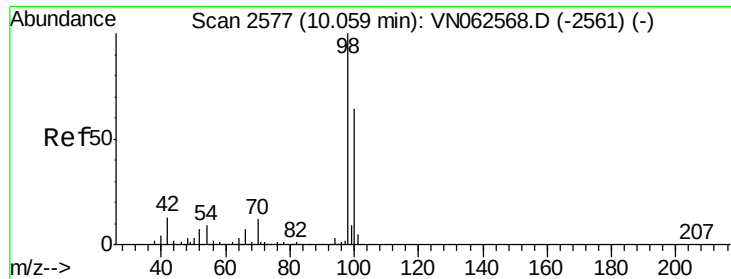
Tot Ion: 63 Resp: 908
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 42.021 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

Tgt Ion: 41 Resp: 81879
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 53.4 43.5 65.3

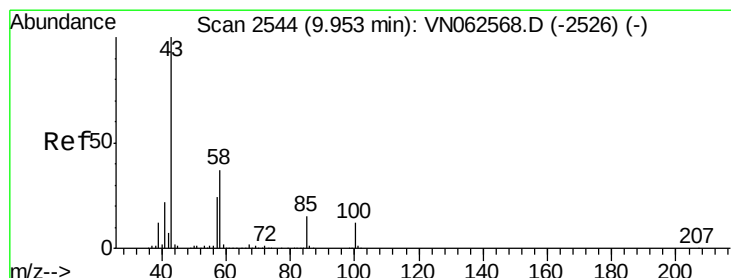
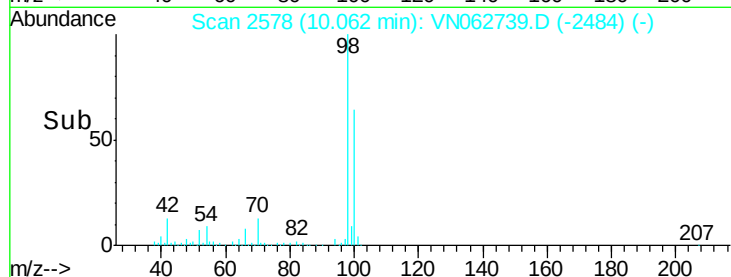
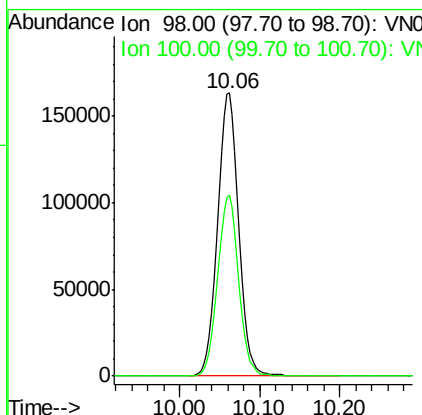
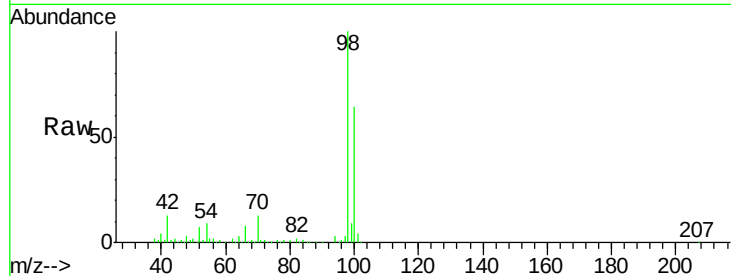




#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062739.D
Acq: 3 Aug 2020 16:38

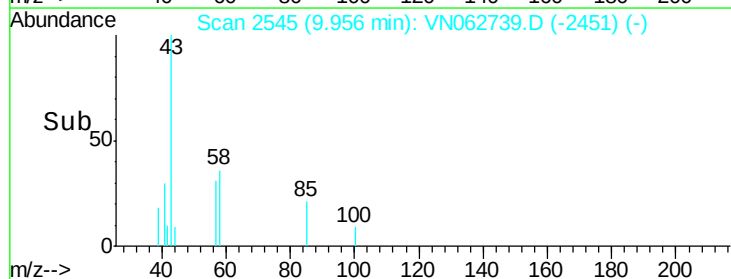
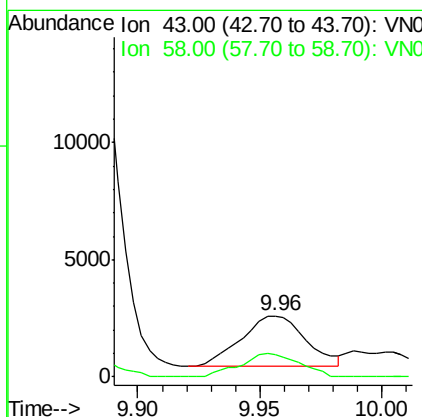
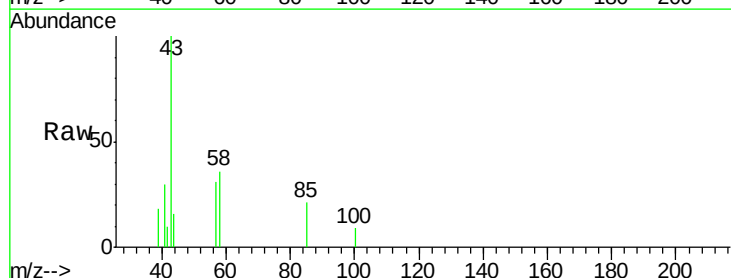
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#01

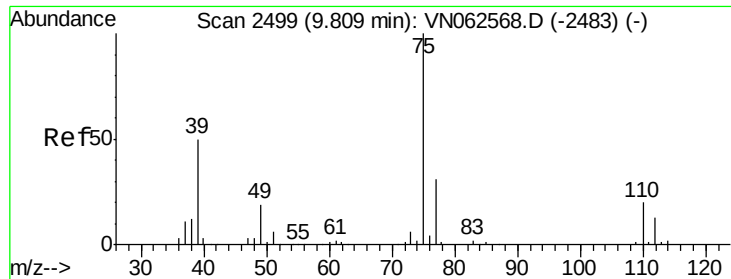
Tot Ion: 98 Resp: 298715
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.610 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062739.D
Acq: 3 Aug 2020 16:38

Tgt Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
58 42.0 29.8 44.6

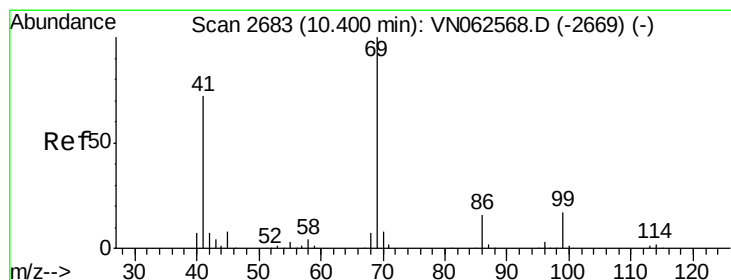
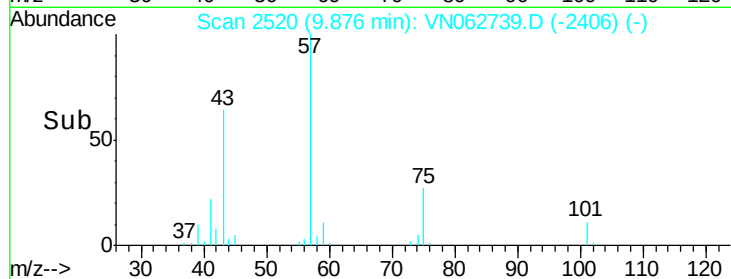
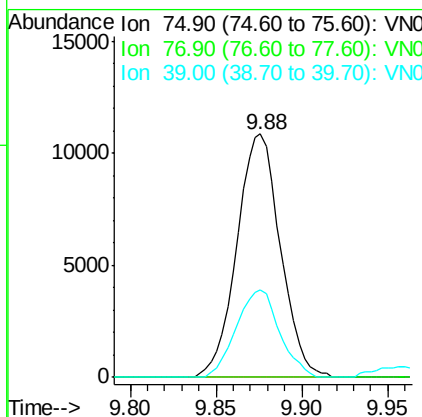
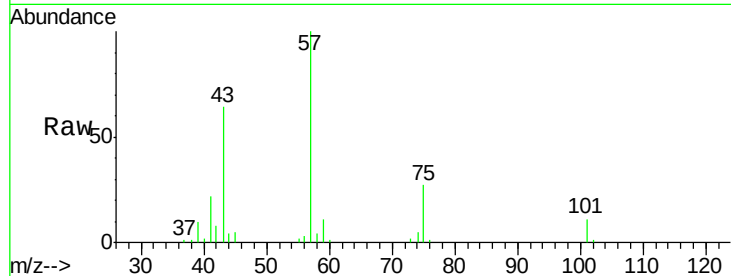




#54
 cis-1,3-Dichloropropene
 Concen: 6.370 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

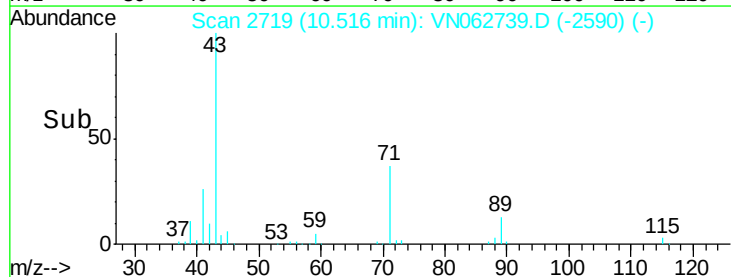
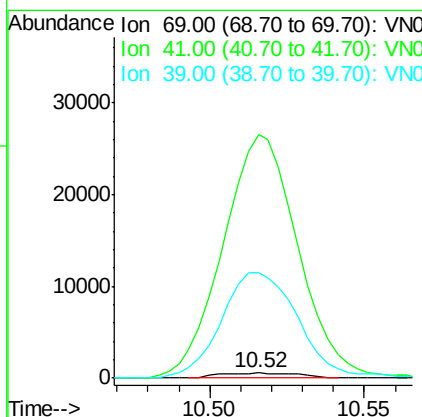
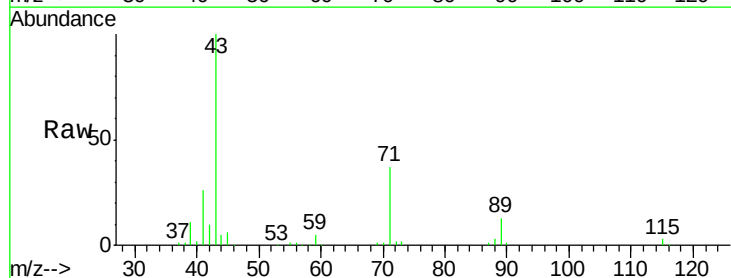
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#01

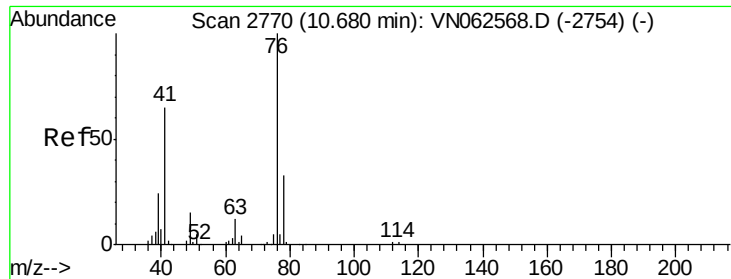
Tot Ion: 75 Resp: 19103
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 36.0 39.8 59.8#



#56
 Ethyl methacrylate
 Concen: 2.103 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

Tgt Ion: 69 Resp: 1000
 Ion Ratio Lower Upper
 69 100
 41 4486.8 57.2 85.8#
 39 2000.5 28.6 43.0#

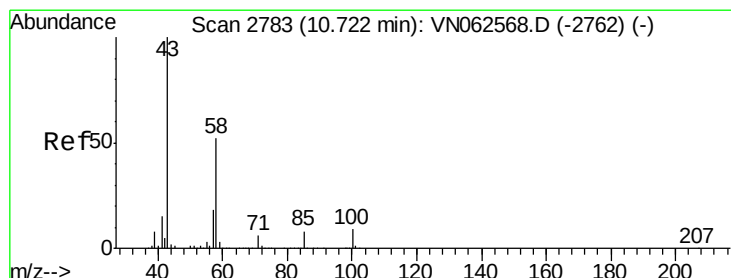
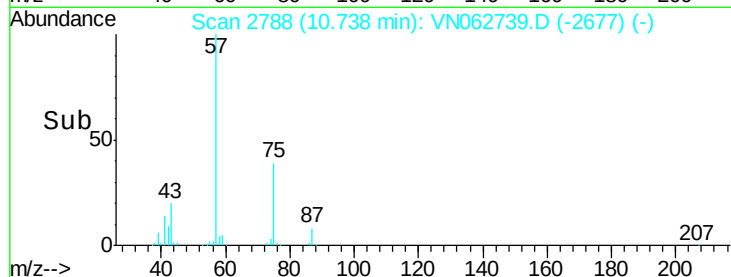
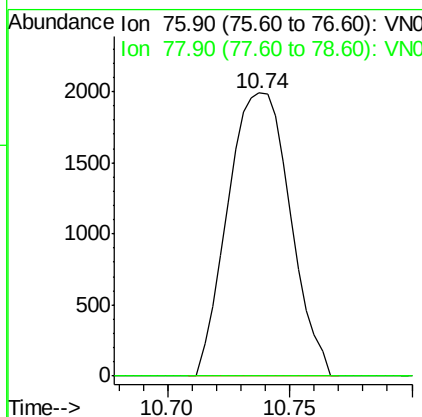
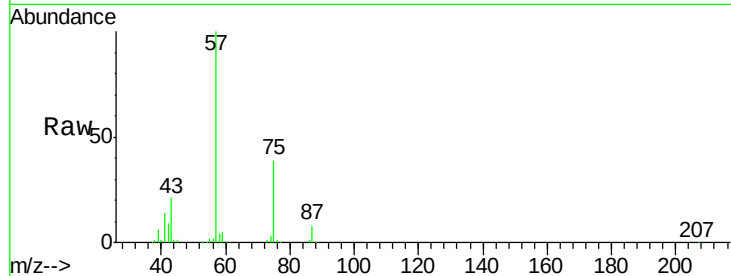




#57
 1,3-Dichloropropane
 Concen: 1.197 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

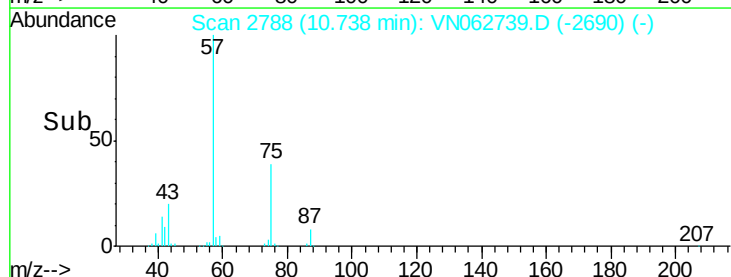
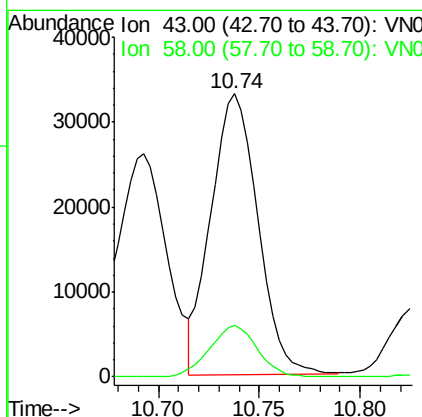
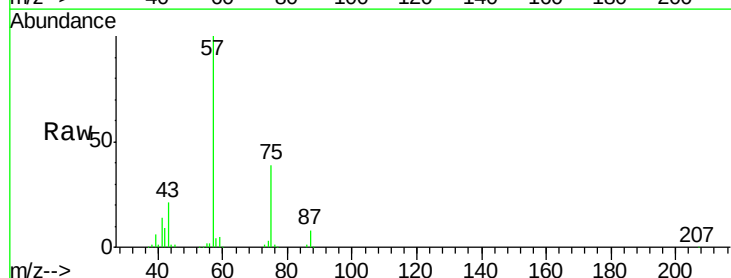
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#01

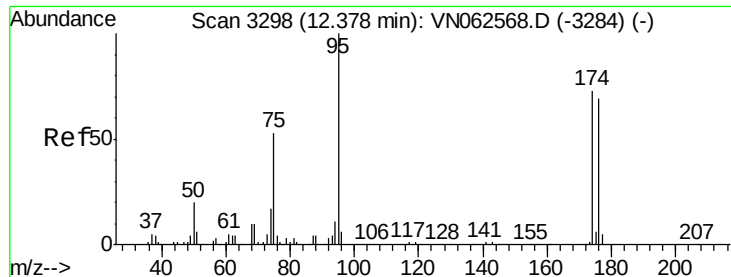
Tot Ion: 76 Resp: 3528
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 30.866 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

Tgt Ion: 43 Resp: 53568
 Ion Ratio Lower Upper
 43 100
 58 18.5 26.0 78.0#

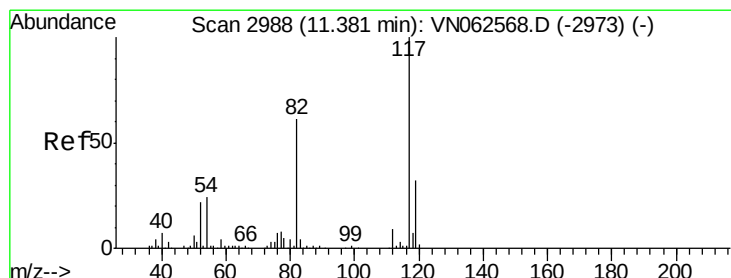
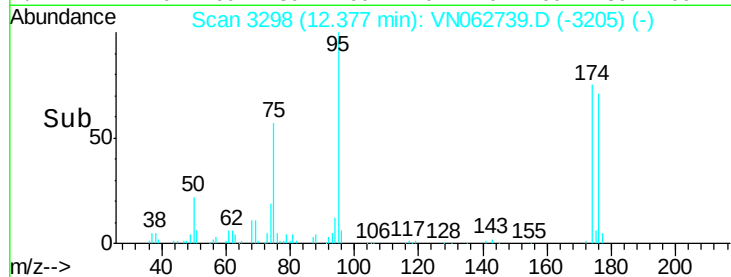
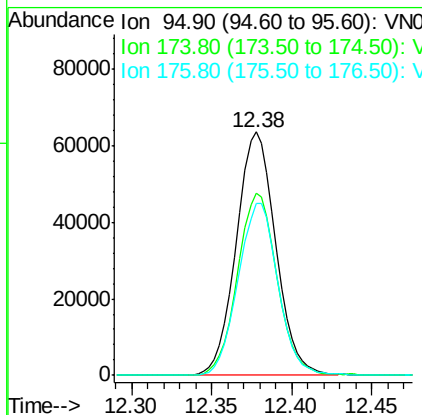
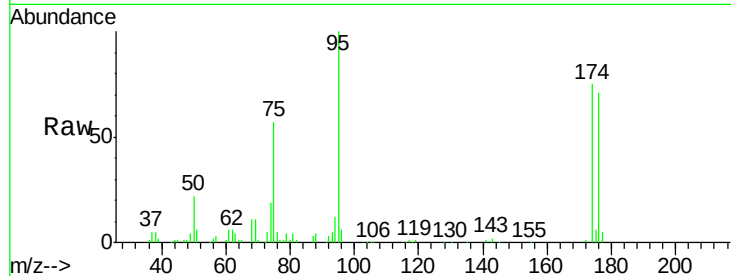




#62
 4-Bromofluorobenzene
 Concen: 50.465 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

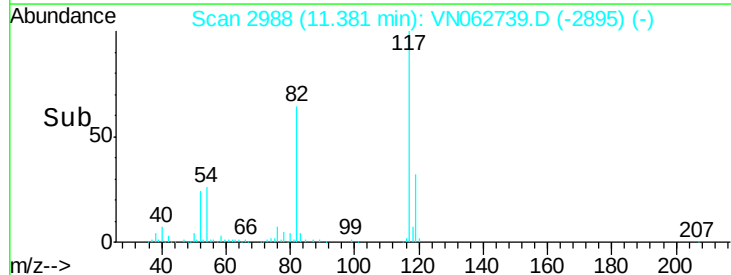
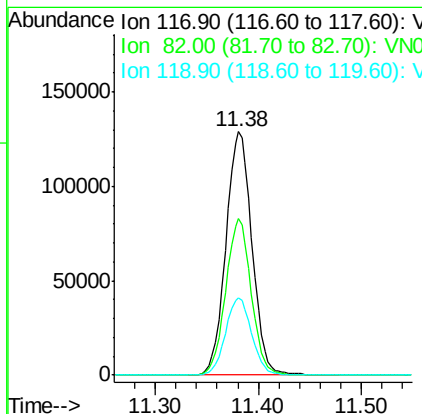
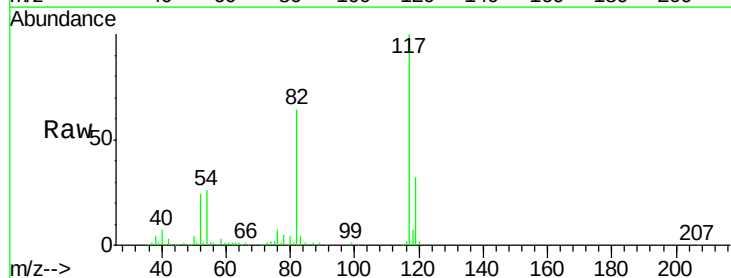
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#01

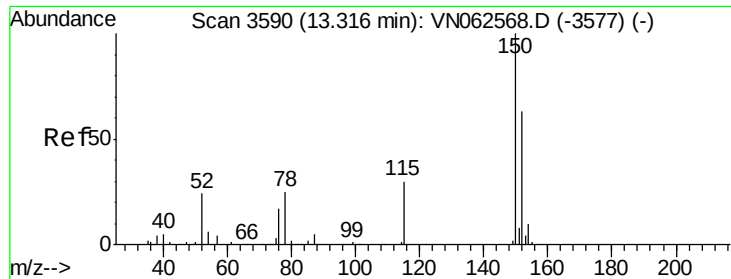
Tot Ion: 95 Resp: 107021
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 144.6
 176 71.6 0.0 139.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062739.D
 Acq: 3 Aug 2020 16:38

Tgt Ion: 117 Resp: 226936
 Ion Ratio Lower Upper
 117 100
 82 64.3 49.0 73.6
 119 32.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#01

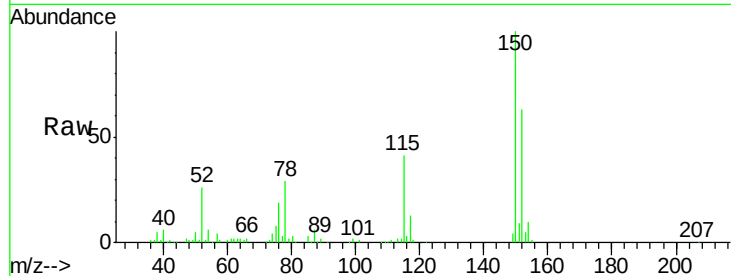
Tot Ion:152 Resp: 83913

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

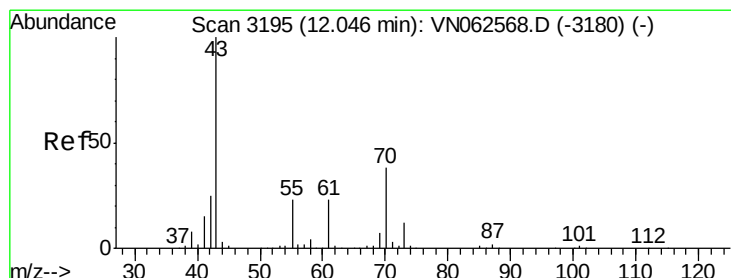
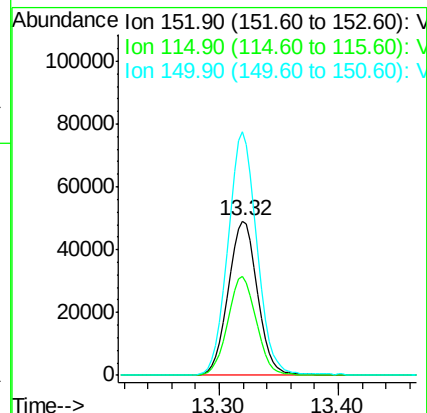
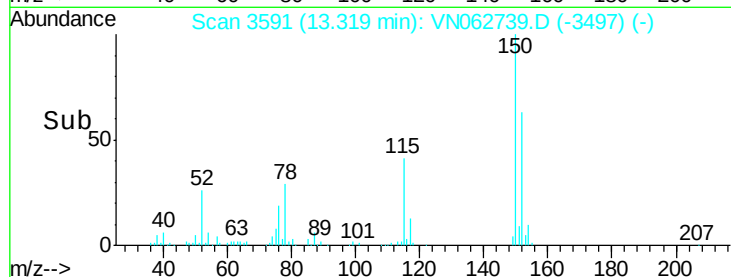
150 155.9 0.0 351.4



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-ethyl acetate

Concen: 0.534 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Tgt Ion: 43 Resp: 1582

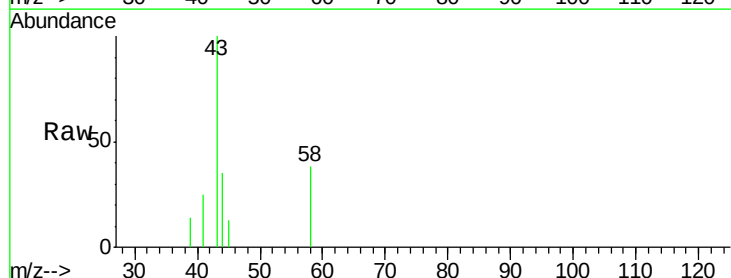
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

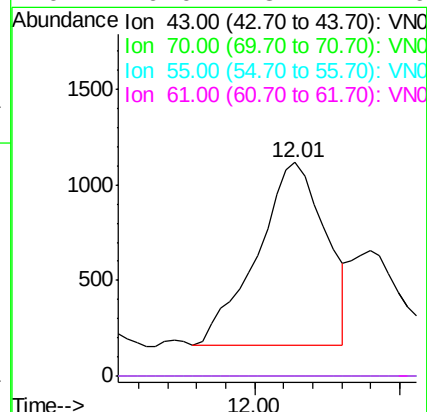
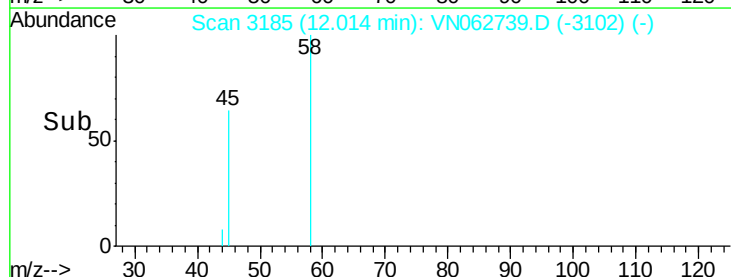


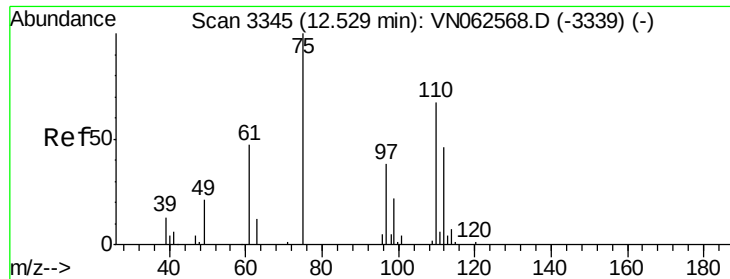
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 28.588 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

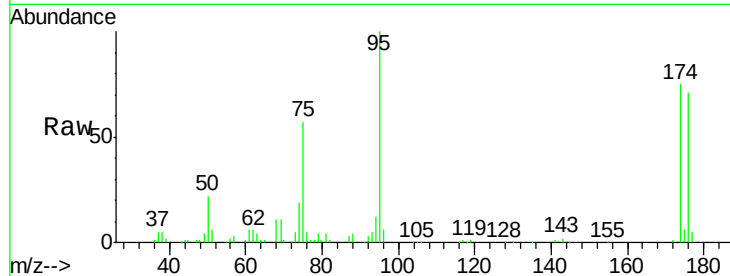
PB130675ZHE#01

Tot Ion: 75 Resp: 61061

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062739.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062739.D (-3252) (-)

12.38

40000

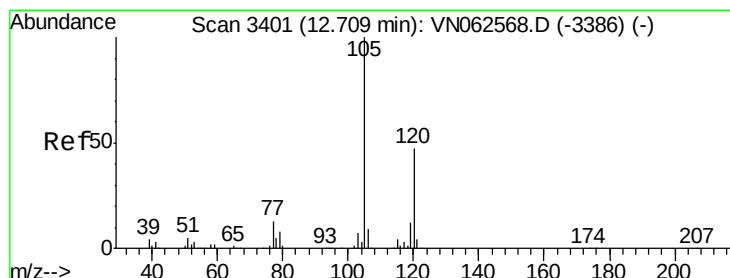
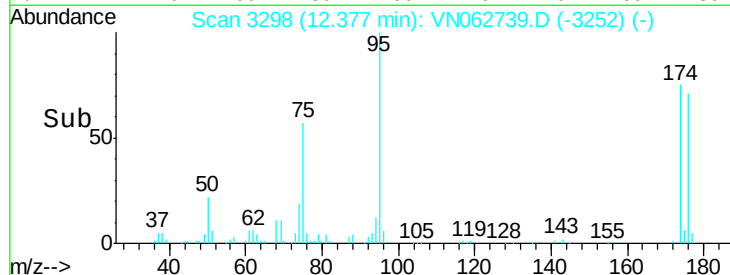
30000

20000

10000

0

Time--> 12.30 12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.547 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062739.D

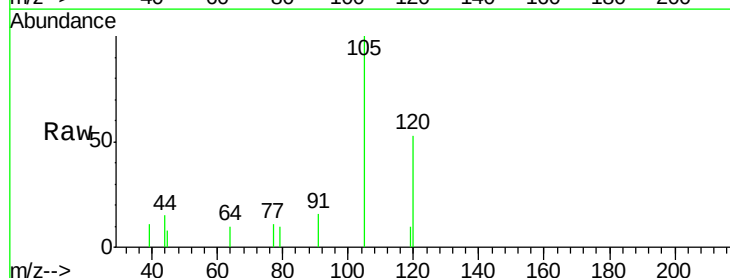
Acq: 3 Aug 2020 16:38

Tgt Ion:105 Resp: 3008

Ion Ratio Lower Upper

105 100

120 47.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062739.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062739.D (-3308) (-)

12.71

2000

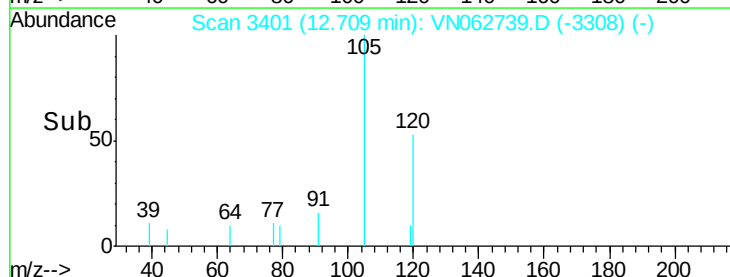
1500

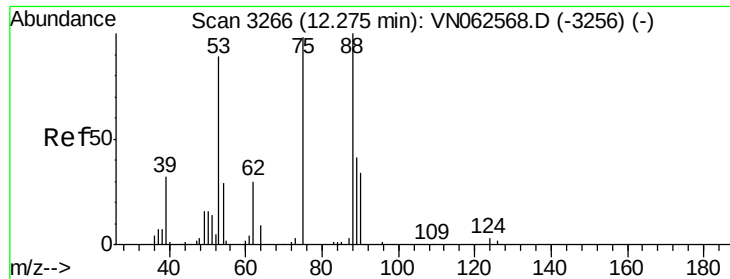
1000

500

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 79.583 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#01

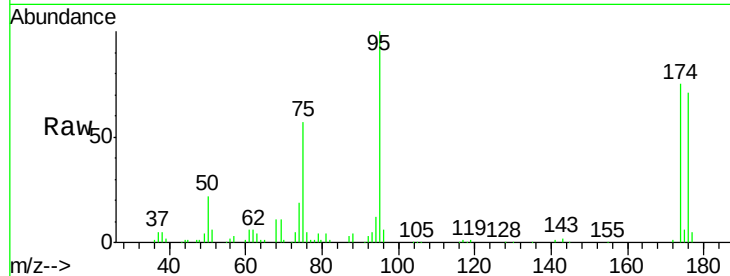
Tot Ion: 75 Resp: 61061

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

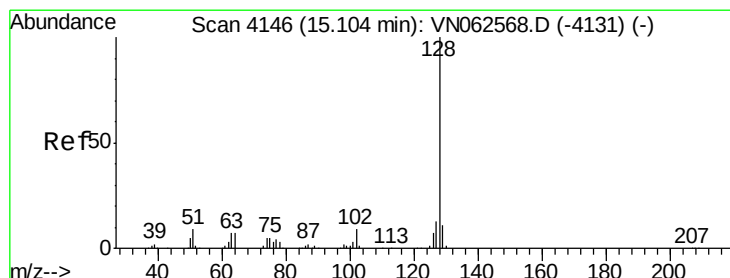
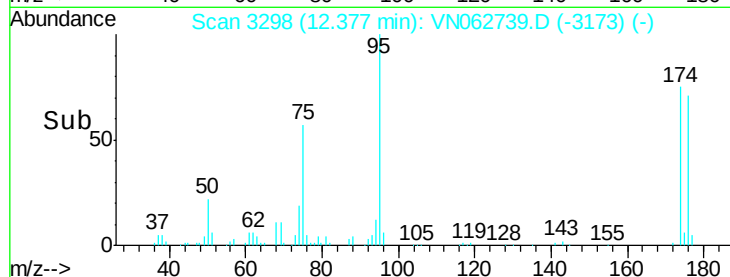
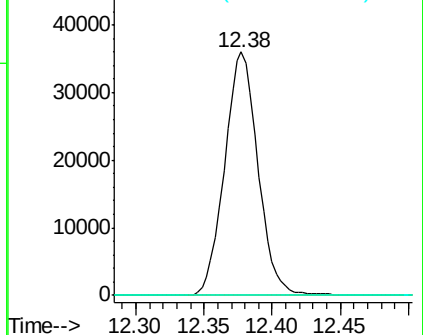
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN062739.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062739.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062739.D (-3173) (-)



#95

Naphthalene

Concen: 4.211 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062739.D

Acq: 3 Aug 2020 16:38

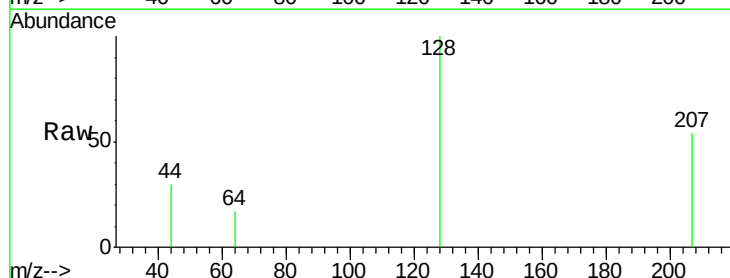
Tgt Ion: 128 Resp: 1813

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 3.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN062739.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062739.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062739.D (-4053) (-)

