

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062606.D
 Acq On : 27 Jul 2020 18:22
 Operator : JC/MD
 Sample : PB130485ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#03

Quant Time: Jul 28 06:25:11 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	138087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98639	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	112548	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
35) Dibromofluoromethane	7.55	113	80434	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.06	98	313785	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.38	95	122724	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	

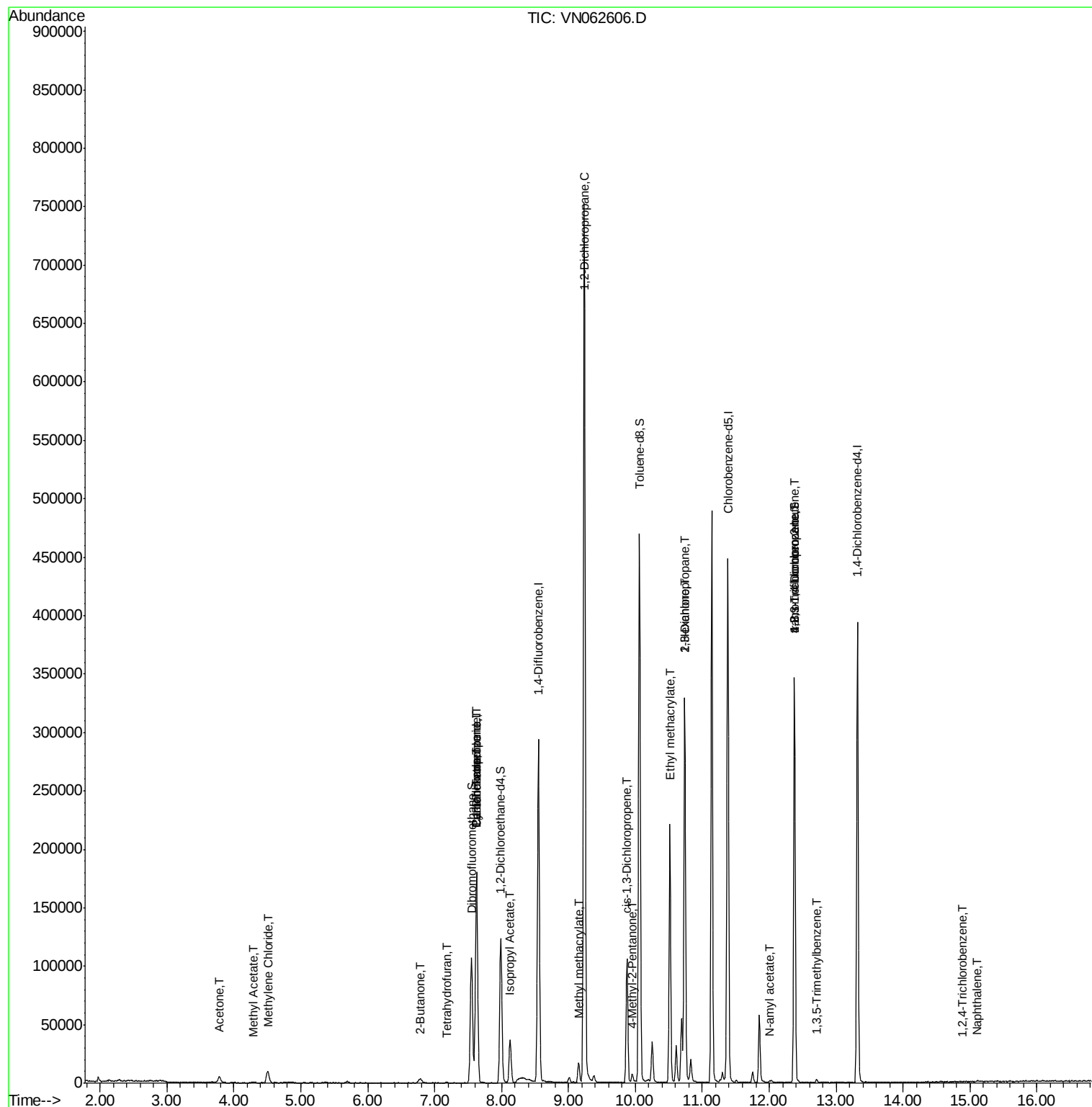
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9233	11.438	ug/l	100
18) Methyl Acetate	4.29	43	1593	0.780	ug/l #	56
20) Methylene Chloride	4.50	84	7015	3.623	ug/l	87
25) 2-Butanone	6.79	43	908	0.739	ug/l #	52
29) Tetrahydrofuran	7.18	42	581	0.698	ug/l #	38
31) Cyclohexane	7.63	56	3556	1.125	ug/l #	3
36) 1,1-Dichloropropene	7.63	75	12218	4.689	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14525	5.800	ug/l #	16
43) Isopropyl Acetate	8.13	43	43963	9.710	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	757	0.342	ug/l #	44
48) Methyl methacrylate	9.15	41	2424	1.126	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5564	2.054	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	18489	5.581	ug/l #	65
56) Ethyl methacrylate	10.51	69	845	2.025	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3103	0.953	ug/l #	42
59) 2-Hexanone	10.74	43	49970	26.527	ug/l #	54
74) N-amyl acetate	12.01	43	2036	0.585	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	66930	26.658	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2121	0.328	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	66930	74.209	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.89	180	62	3.139	ug/l #	12
95) Naphthalene	15.11	128	816	3.933	ug/l #	69

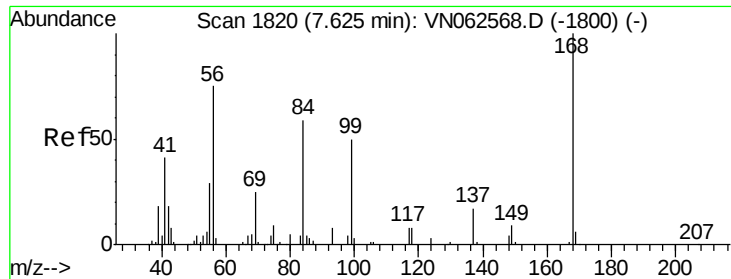
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\
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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: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

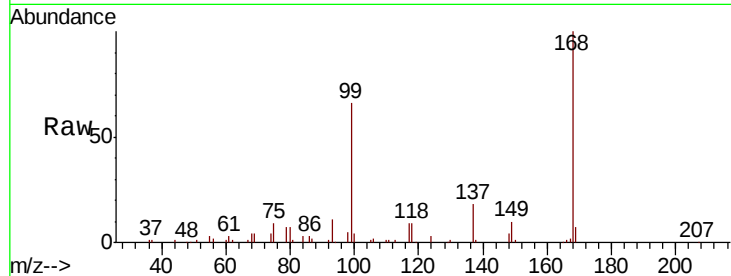
PB130485ZHE#03

Tot Ion:168 Resp: 138087

Ion Ratio Lower Upper

168 100

99 66.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

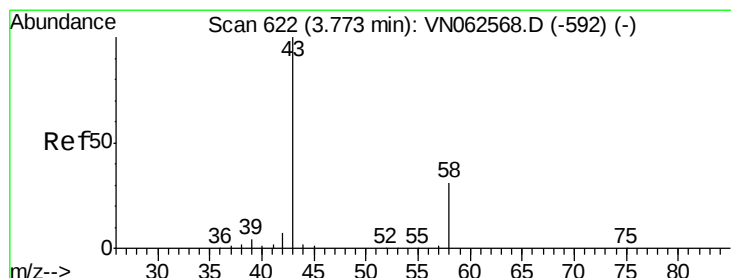
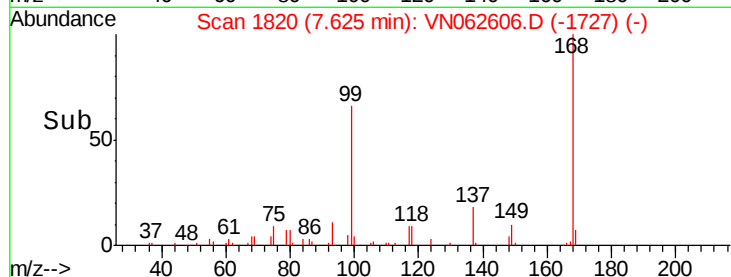
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 11.438 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062606.D

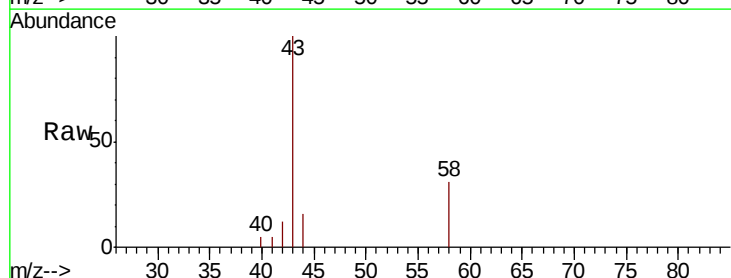
Acq: 27 Jul 2020 18:22

Tgt Ion: 43 Resp: 9233

Ion Ratio Lower Upper

43 100

58 30.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

4000

3000

2000

1000

0

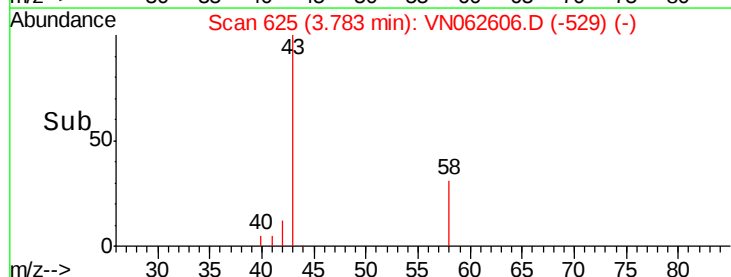
3.70

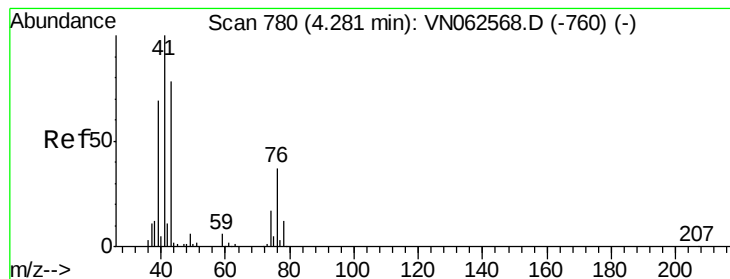
3.75

3.80

3.85

Time-->





#18

Methvl Acetate

Concen: 0.780 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

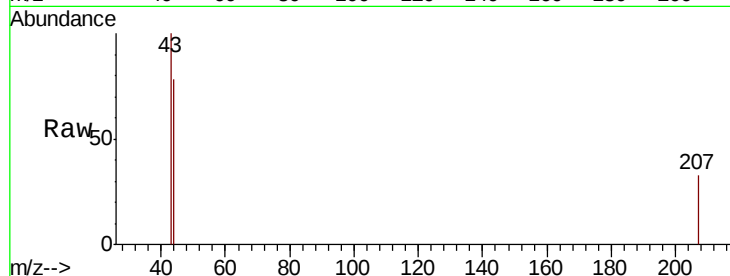
PB130485ZHE#03

Tot Ion: 43 Resp: 1593

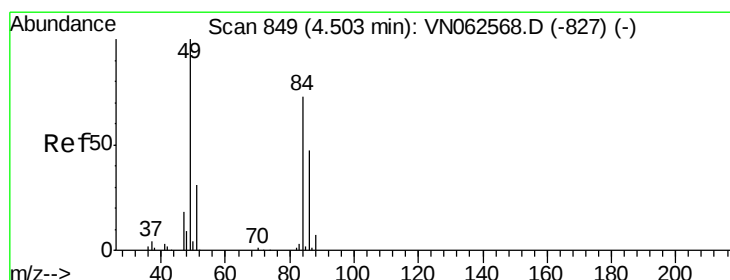
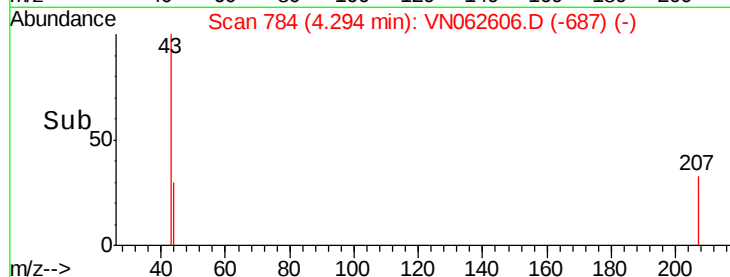
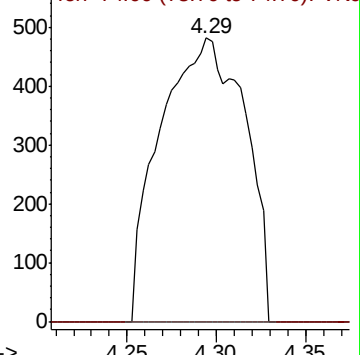
Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-760) (-)



#20

Methylene Chloride

Concen: 3.623 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.01 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Tgt Ion: 84 Resp: 7015

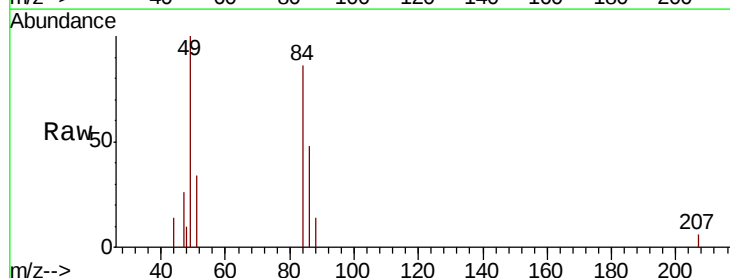
Ion Ratio Lower Upper

84 100

49 116.7 109.4 164.0

51 39.9 33.6 50.4

86 55.7 51.4 77.2

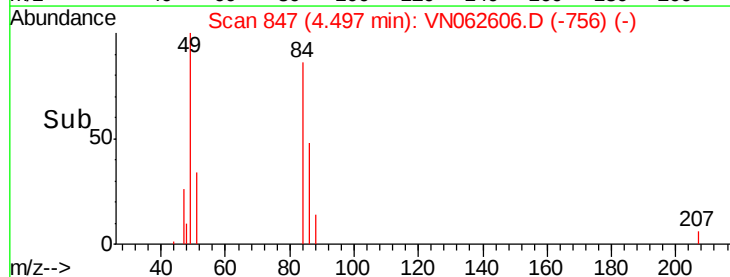
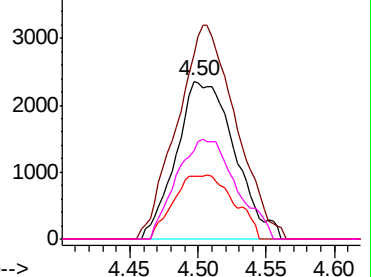


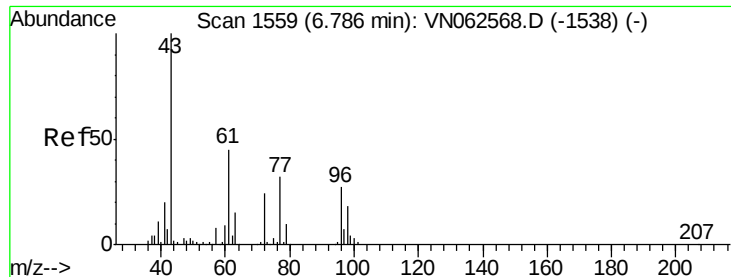
Abundance Ion 83.90 (83.60 to 84.60): VN062568.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN062568.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN062568.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN062568.D (-827) (-)

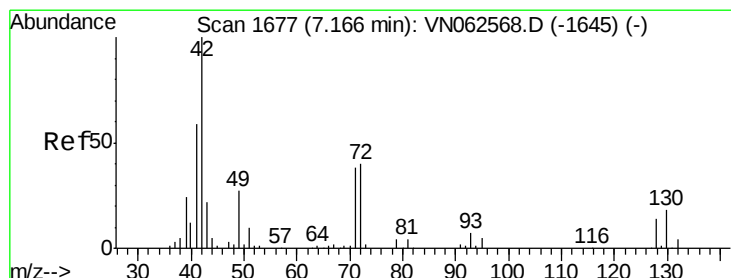
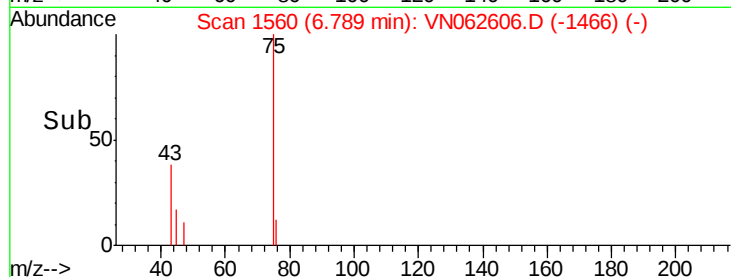
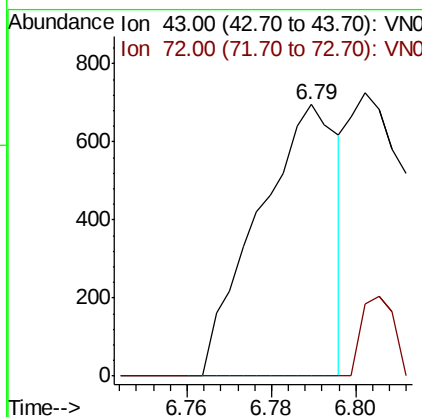
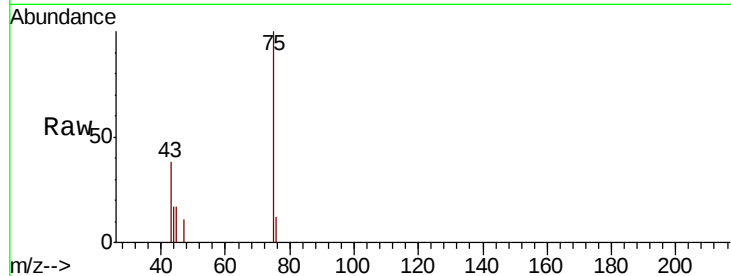




#25
2-Butanone
Concen: 0.739 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062606.D
Acq: 27 Jul 2020 18:22

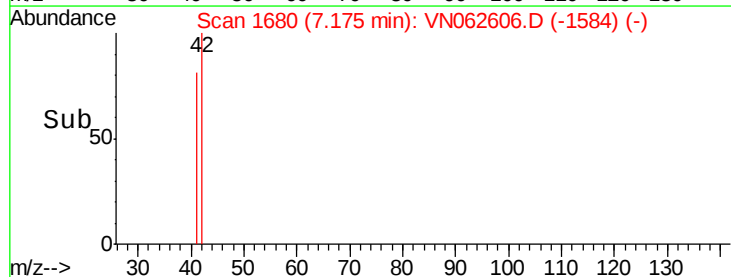
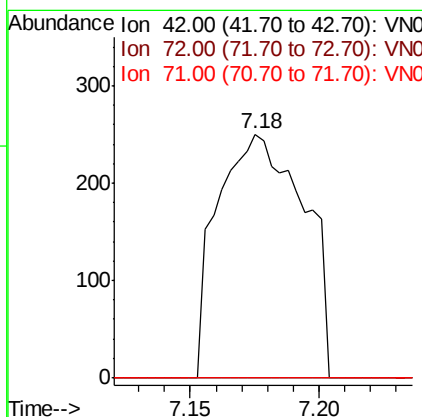
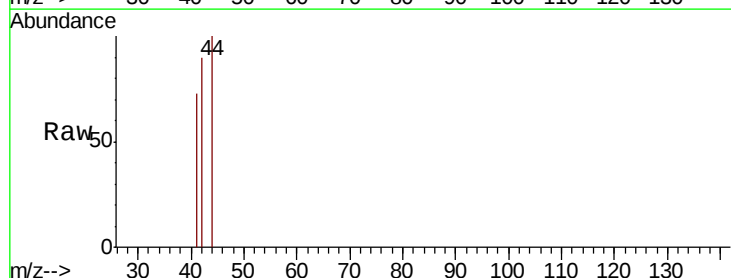
Instrument :
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ClientSampleId :
PB130485ZHE#03

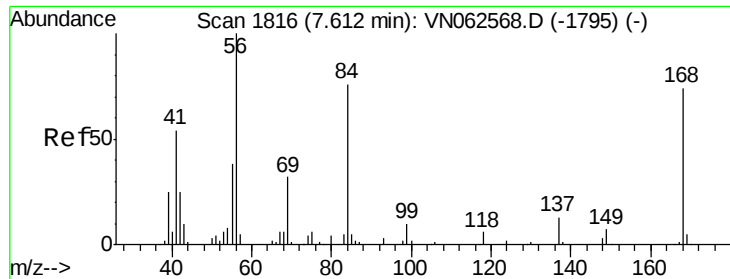
Tot Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#29
Tetrahydrofuran
Concen: 0.698 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062606.D
Acq: 27 Jul 2020 18:22

Tgt Ion: 42 Resp: 581
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 29.1 43.7#

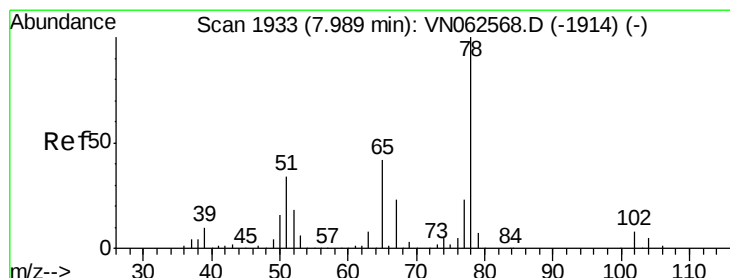
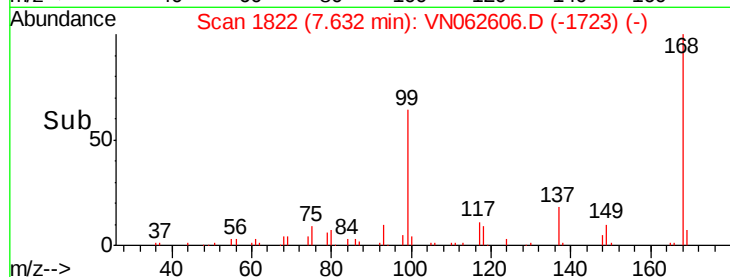
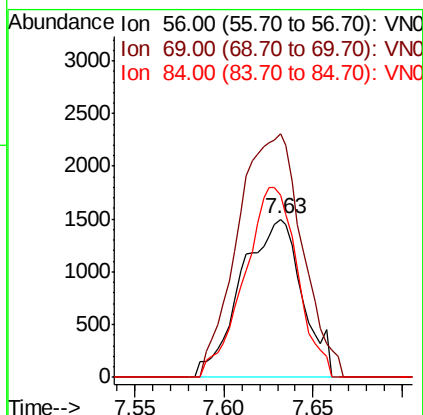
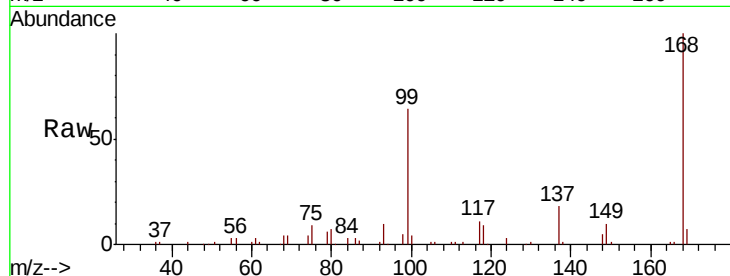




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN062606.D
Acq: 27 Jul 2020 18:22

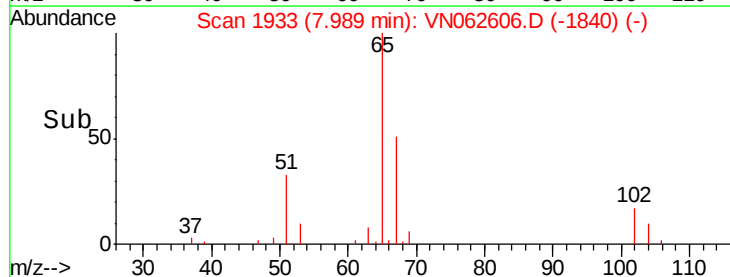
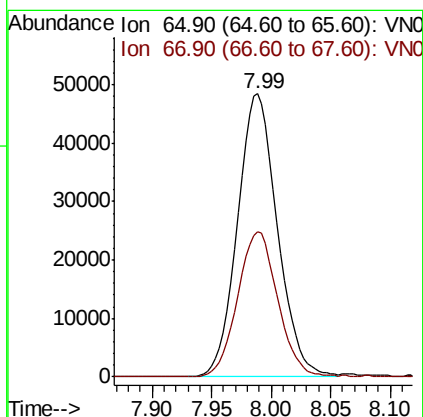
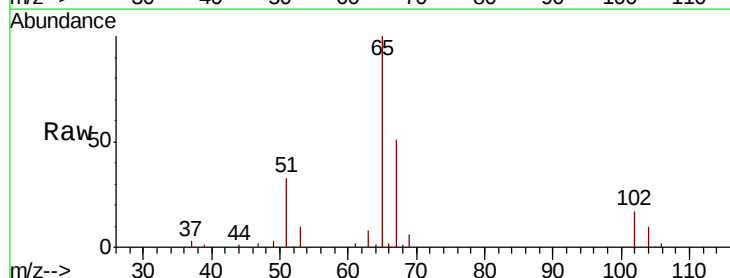
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#03

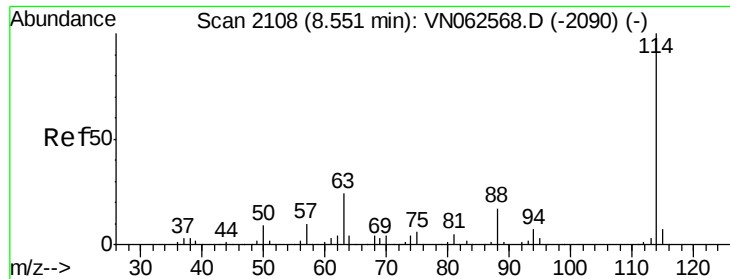
Tot Ion: 56 Resp: 3556
Ion Ratio Lower Upper
56 100
69 153.9 25.3 37.9#
84 115.1 61.0 91.4#



#33
1,2-Dichloroethane-d4
Concen: 52.467 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062606.D
Acq: 27 Jul 2020 18:22

Tgt Ion: 65 Resp: 112548
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0

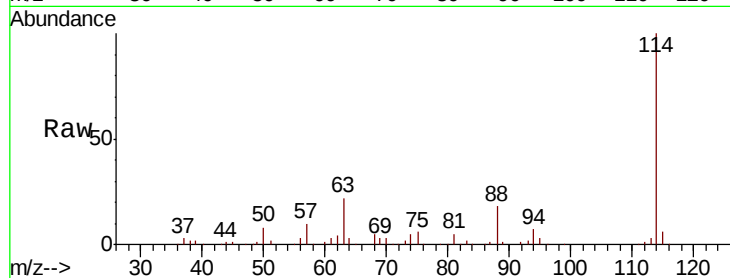




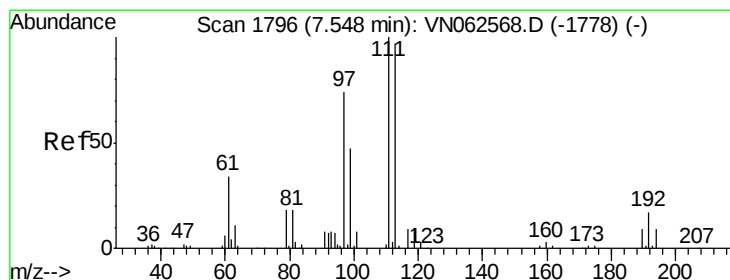
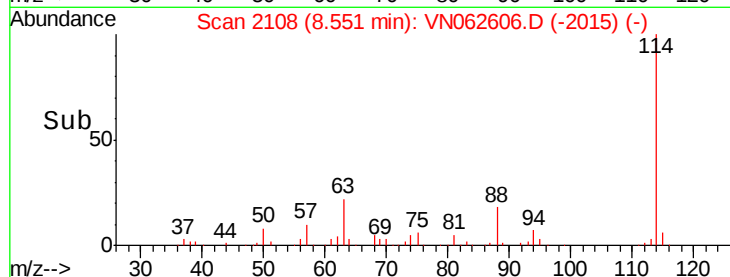
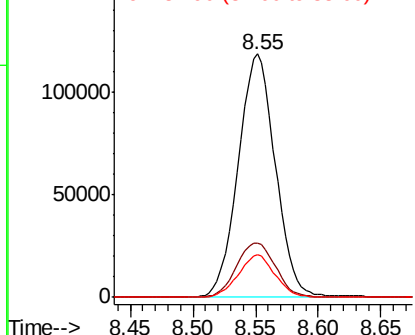
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#03

Tot Ion:114 Resp: 244446
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 48.4
 88 17.6 0.0 33.8

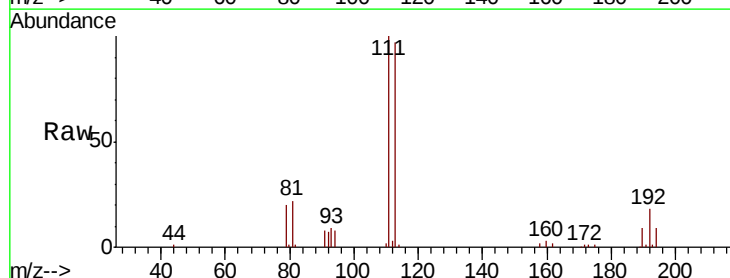


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

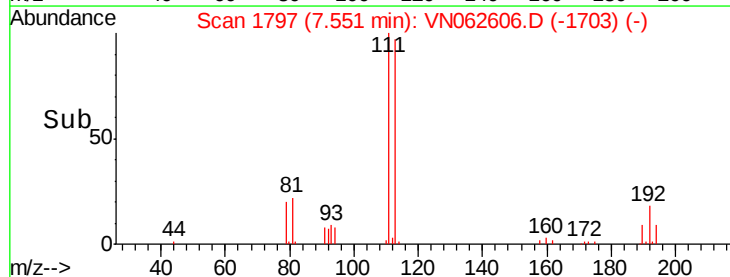
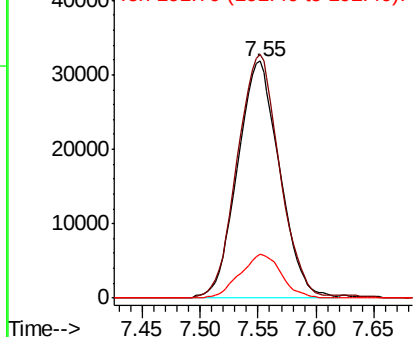


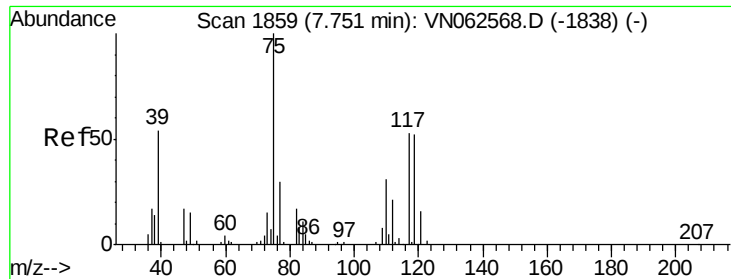
#35
 Dibromofluoromethane
 Concen: 50.094 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

Tgt Ion:113 Resp: 80434
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 18.1 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

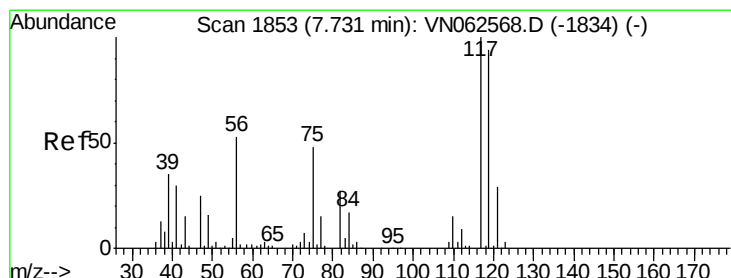
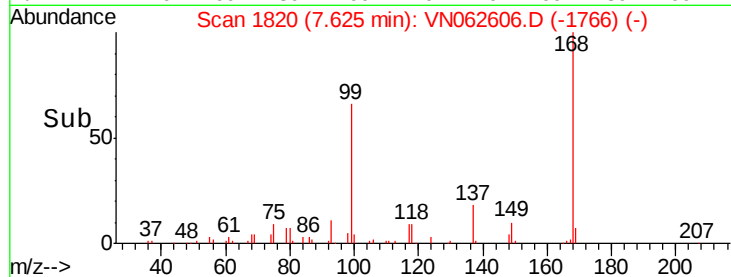
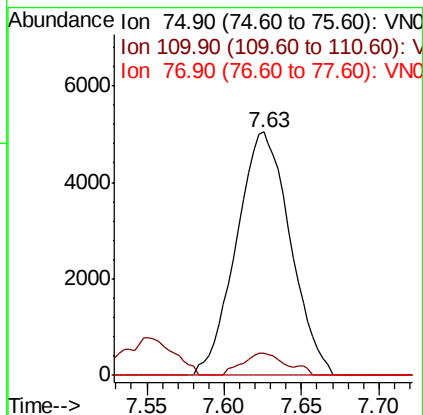
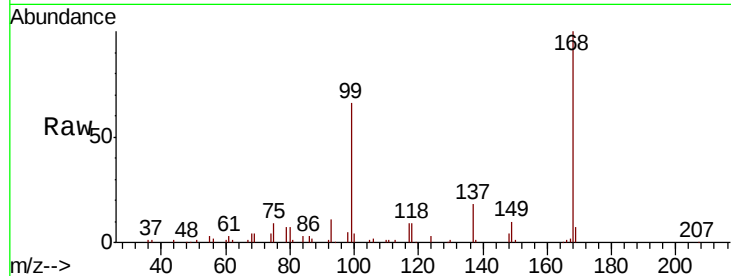




#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

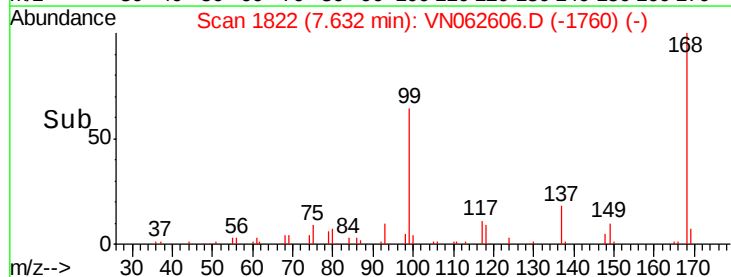
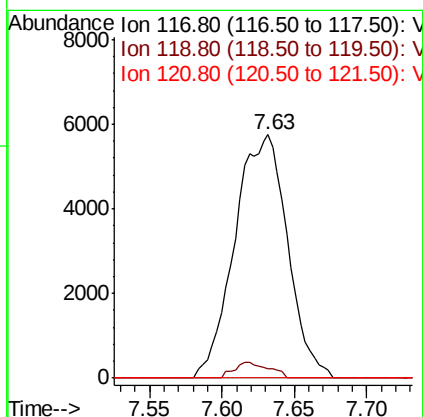
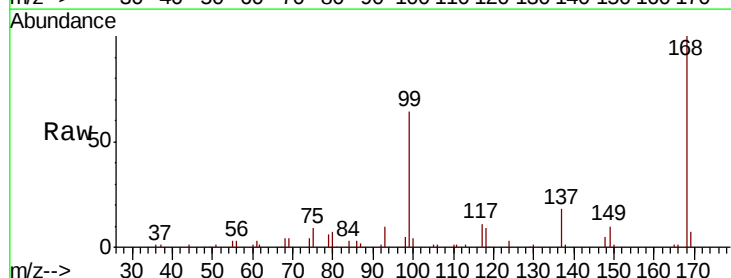
Instrument :
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 PB130485ZHE#03

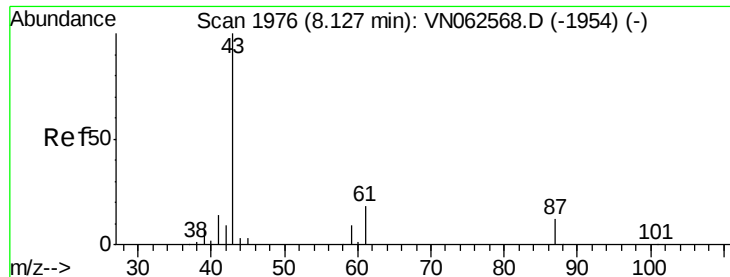
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.800 ug/l
 RT: 7.63 min Scan# 1822
 Delta R.T. -0.10 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 9.710 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#03

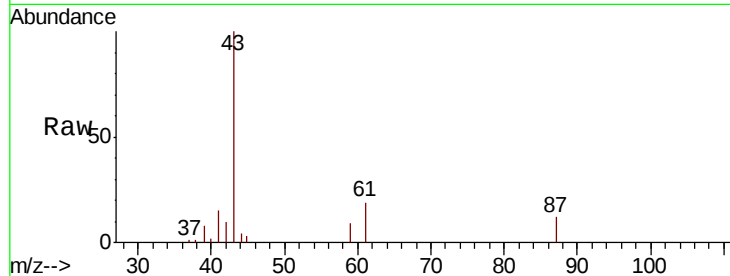
Tot Ion: 43 Resp: 43963

Ion Ratio Lower Upper

43 100

61 19.1 20.8 31.2#

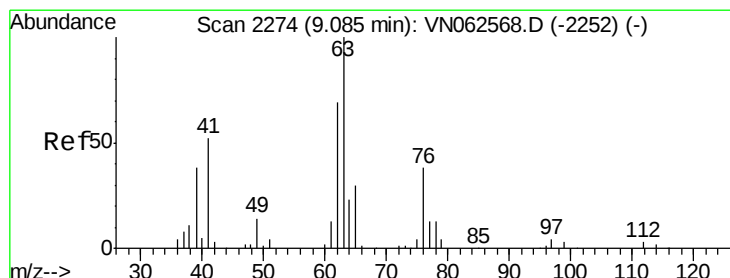
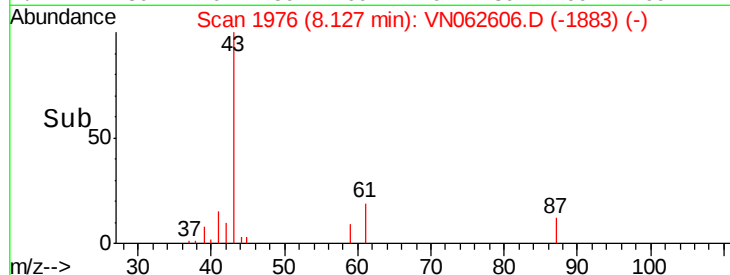
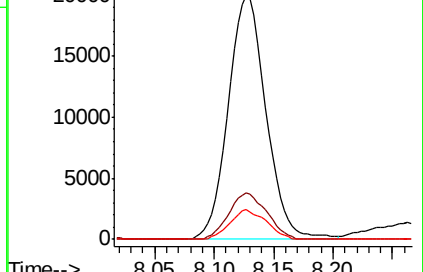
87 11.6 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062606.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062606.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062606.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.342 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062606.D

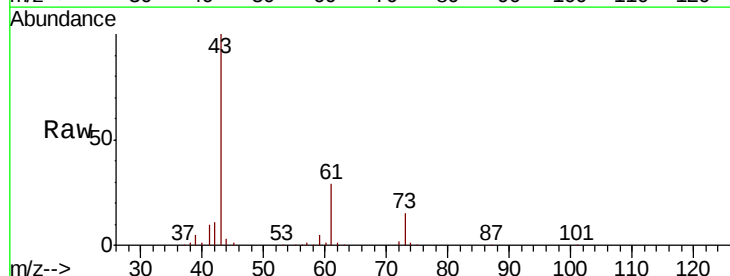
Acq: 27 Jul 2020 18:22

Tgt Ion: 63 Resp: 757

Ion Ratio Lower Upper

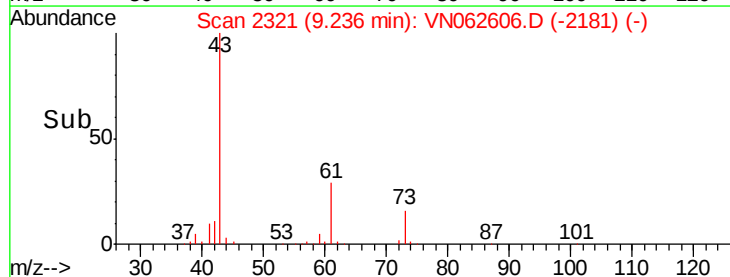
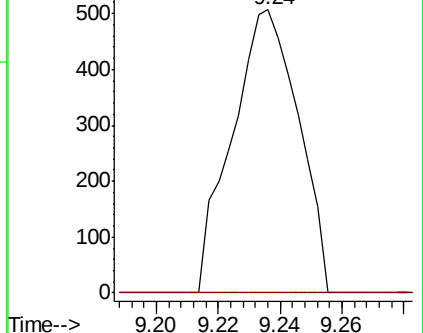
63 100

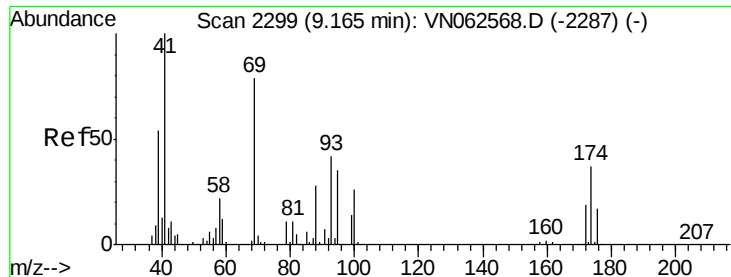
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062606.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062606.D (-2181) (-)

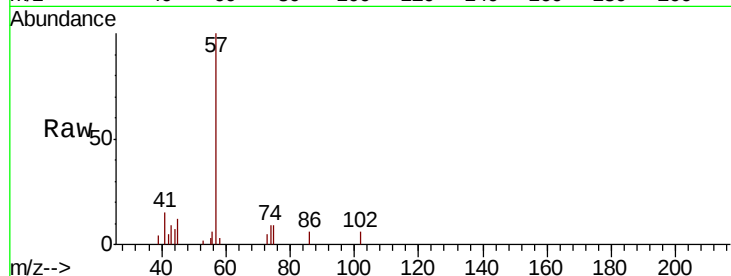




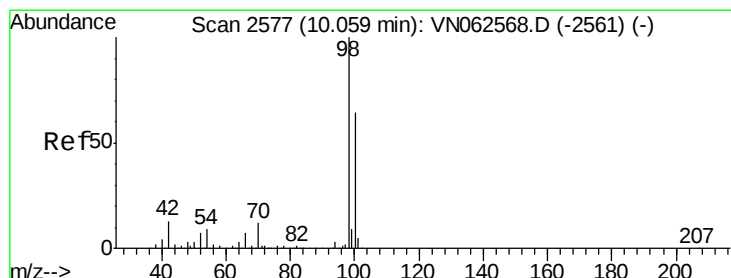
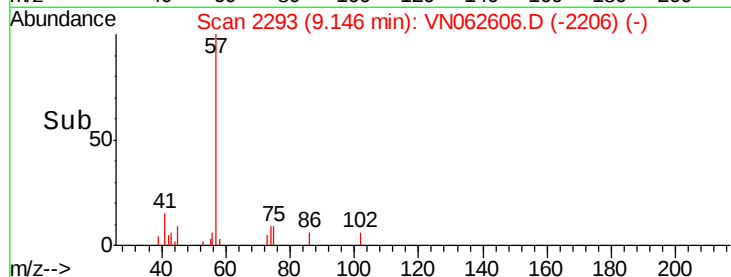
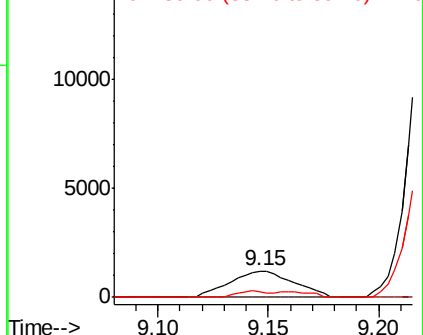
#48
Methyl methacrylate
Concen: 1.126 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062606.D
Acq: 27 Jul 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#03

Tot Ion: 41 Resp: 2424
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#

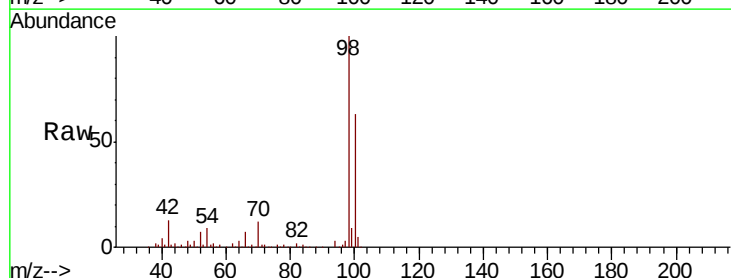


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

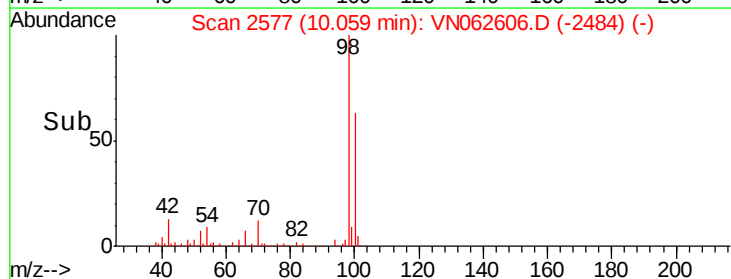
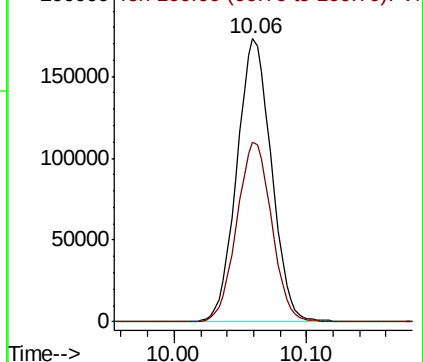


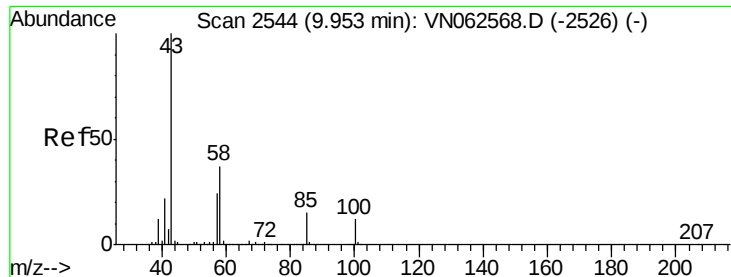
#50
Toluene-d8
Concen: 48.979 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062606.D
Acq: 27 Jul 2020 18:22

Tgt Ion: 98 Resp: 313785
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



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: 2.054 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

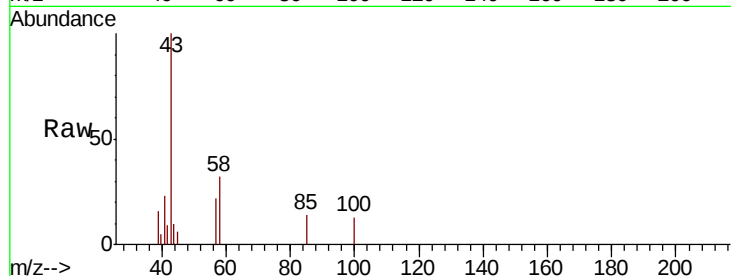
PB130485ZHE#03

Tot Ion: 43 Resp: 5564

Ion Ratio Lower Upper

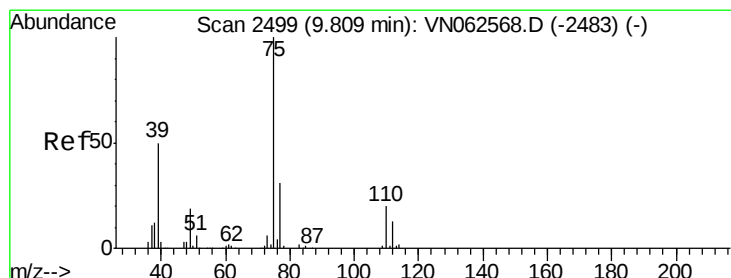
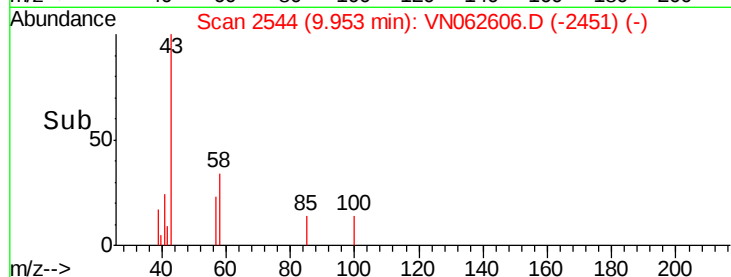
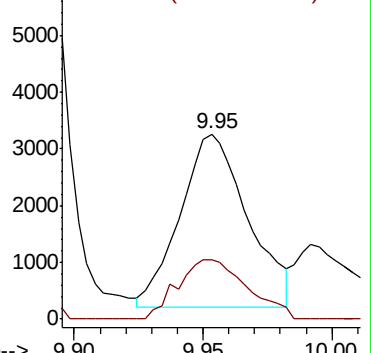
43 100

58 35.5 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.581 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

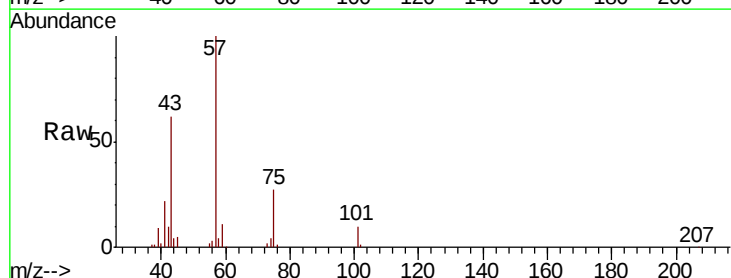
Tgt Ion: 75 Resp: 18489

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

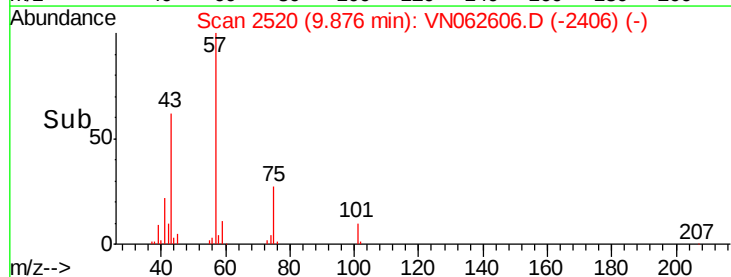
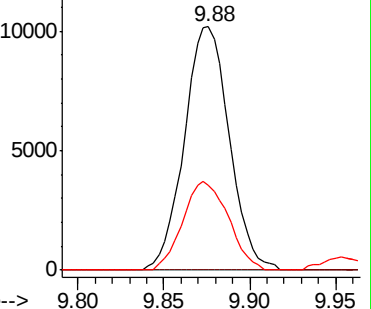
39 35.1 39.8 59.8#

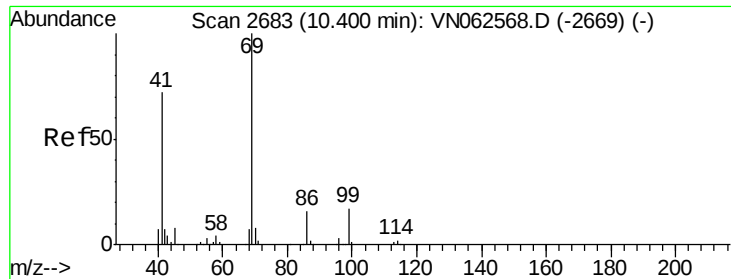


Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-2483) (-)

Ion 76.90 (76.60 to 77.60): VN062568.D (-2483) (-)

Ion 39.00 (38.70 to 39.70): VN062568.D (-2483) (-)





#56

Ethyl methacrylate

Concen: 2.025 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#03

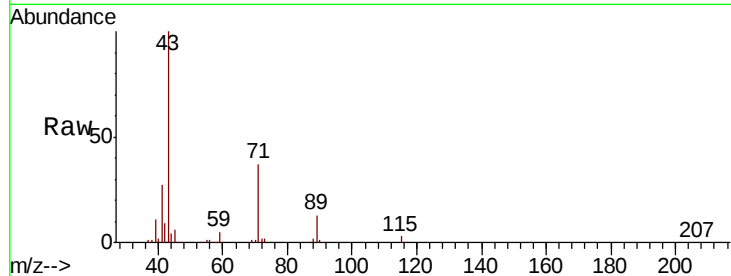
Tot Ion: 69 Resp: 845

Ion Ratio Lower Upper

69 100

41 5023.7 57.2 85.8#

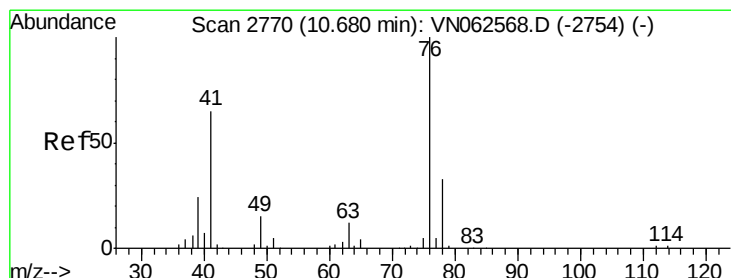
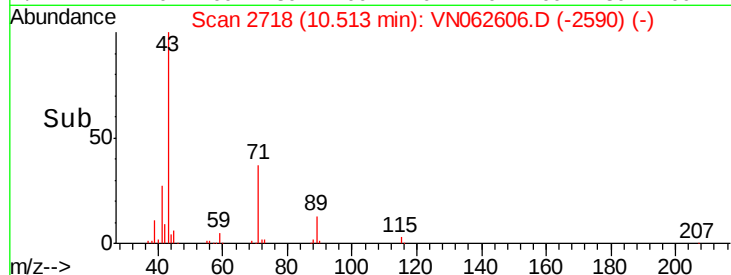
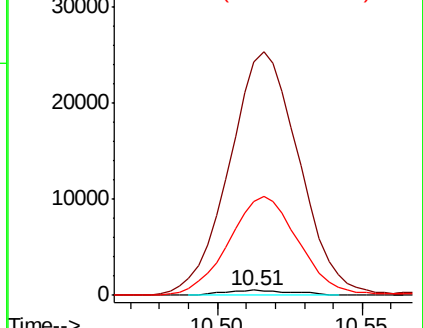
39 2053.4 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062606.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062606.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062606.D (-2669) (-)



#57

1,3-Dichloropropane

Concen: 0.953 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062606.D

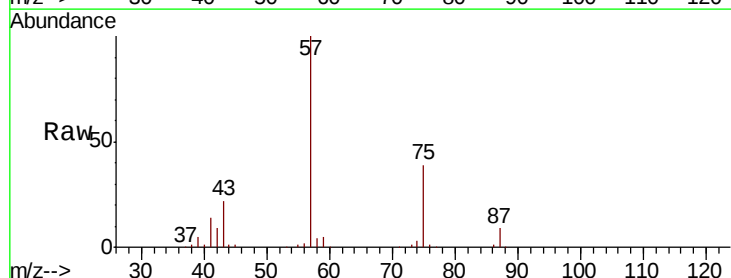
Acq: 27 Jul 2020 18:22

Tgt Ion: 76 Resp: 3103

Ion Ratio Lower Upper

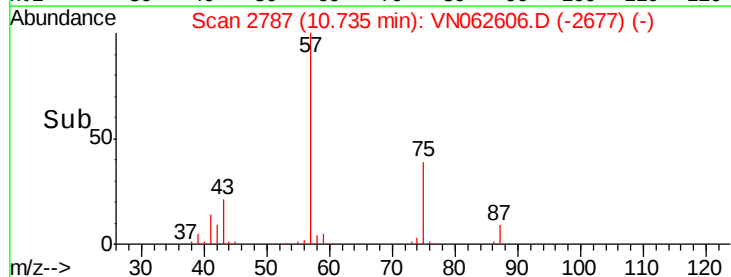
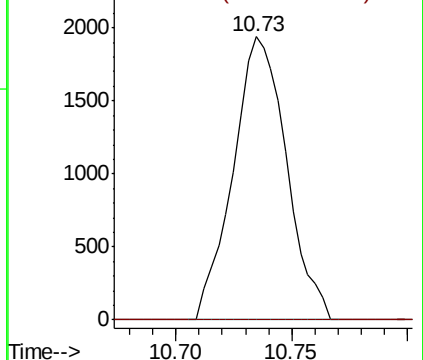
76 100

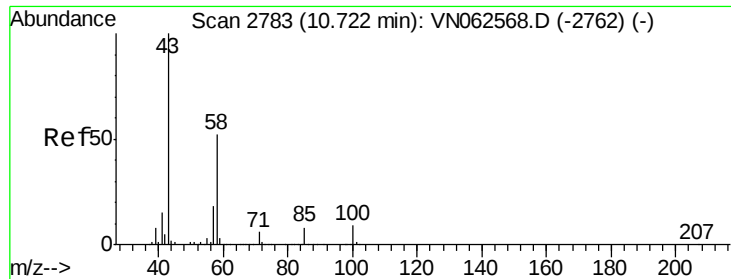
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062606.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062606.D (-2677) (-)





#59

2-Hexanone

Concen: 26.527 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

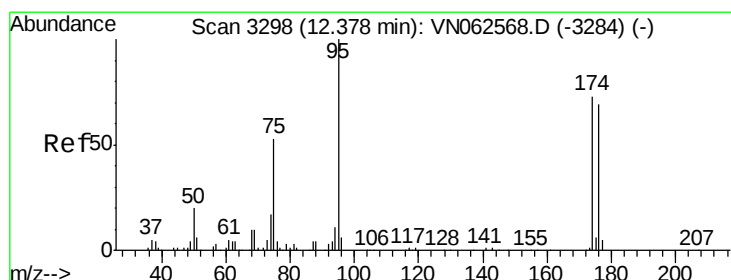
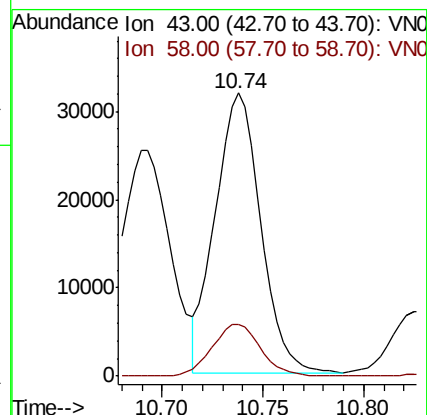
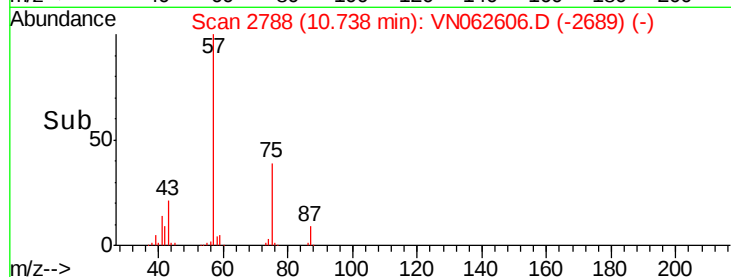
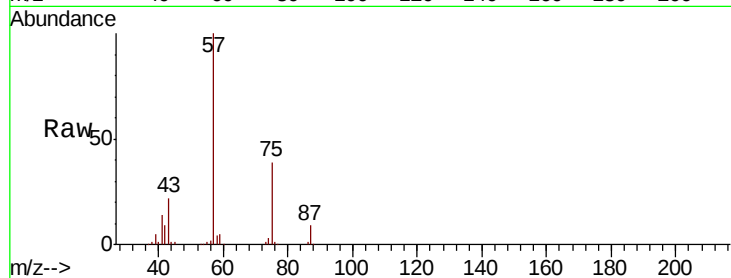
PB130485ZHE#03

Tot Ion: 43 Resp: 49970

Ion Ratio Lower Upper

43 100

58 19.6 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 52.391 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

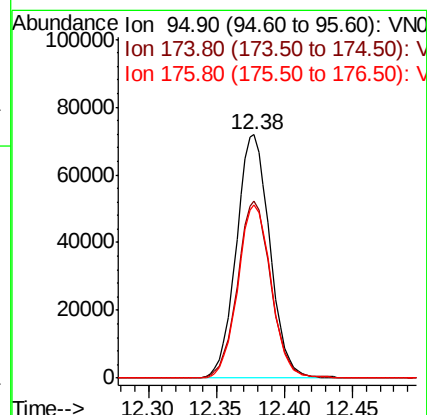
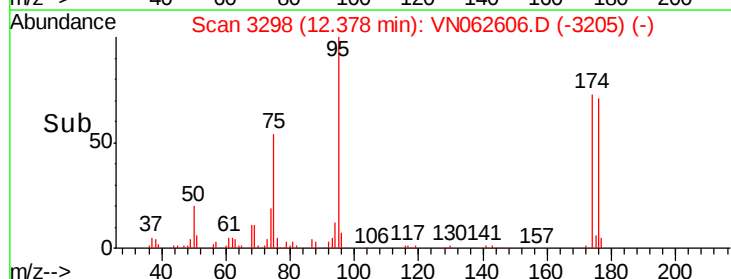
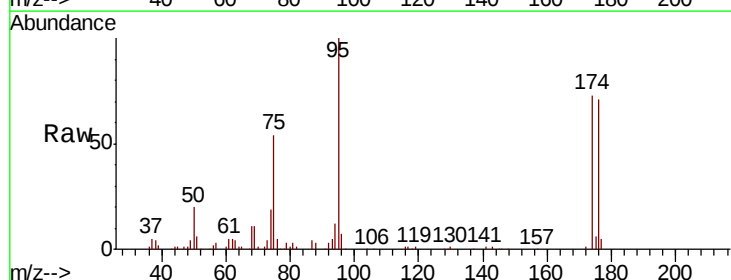
Tgt Ion: 95 Resp: 122724

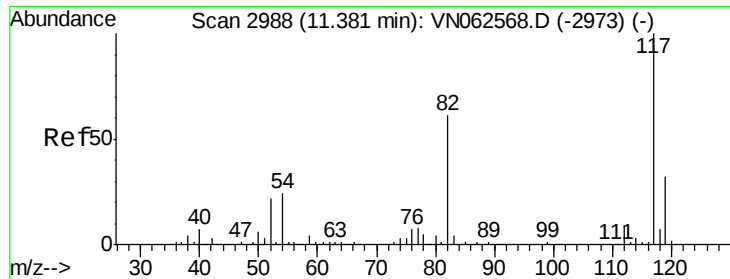
Ion Ratio Lower Upper

95 100

174 72.3 0.0 144.6

176 70.8 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: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#03

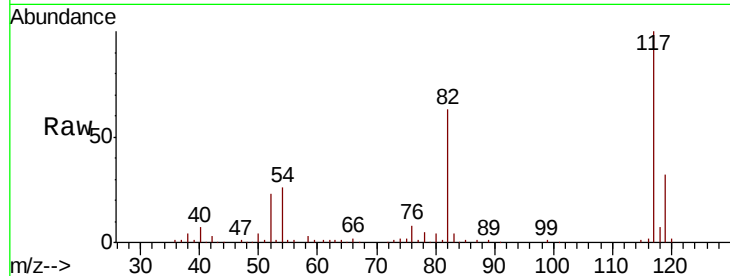
Tot Ion:117 Resp: 241352

Ion Ratio Lower Upper

117 100

82 63.2 49.0 73.6

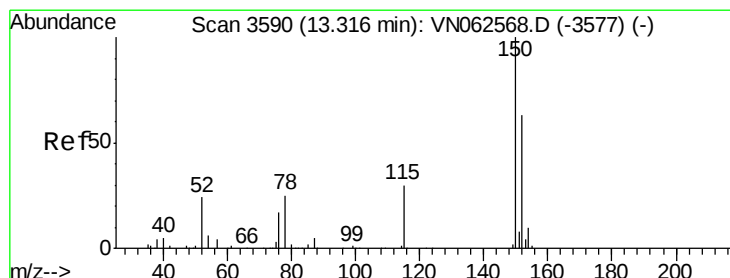
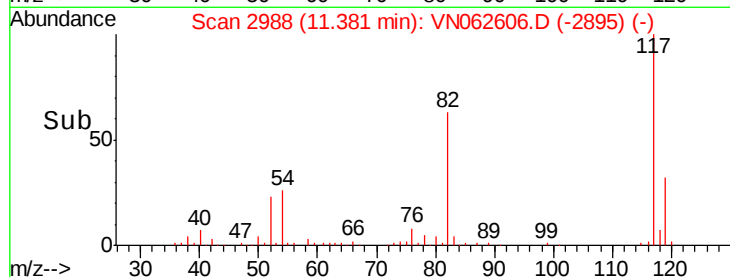
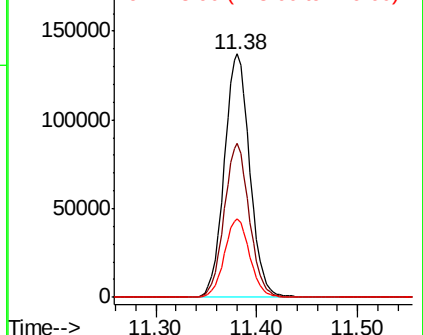
119 32.2 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN062606.D

Acq: 27 Jul 2020 18:22

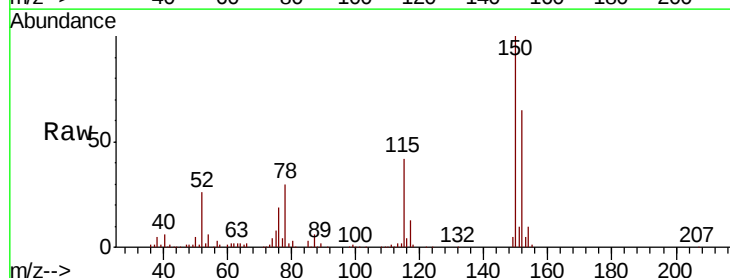
Tgt Ion:152 Resp: 98639

Ion Ratio Lower Upper

152 100

115 64.7 31.8 95.4

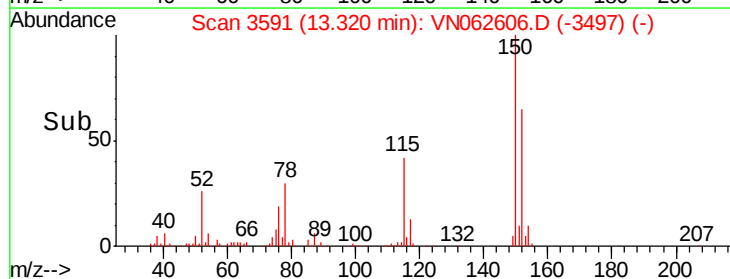
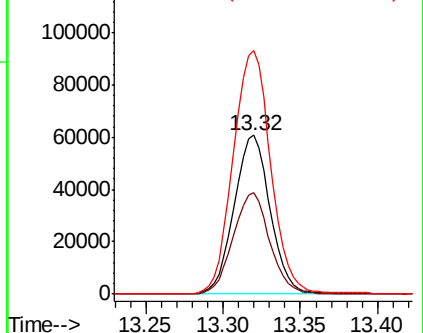
150 159.8 0.0 351.4

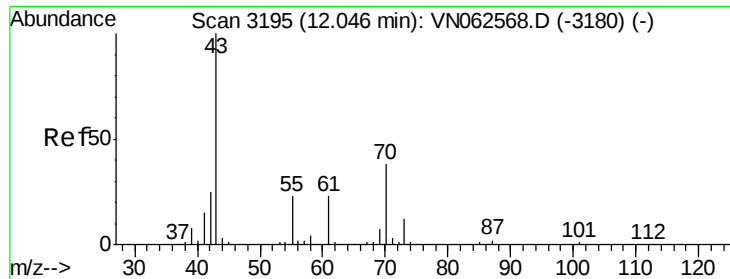


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.585 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062606.D

Acq: 27 Jul 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#03

Tot Ion: 43 Resp: 2036

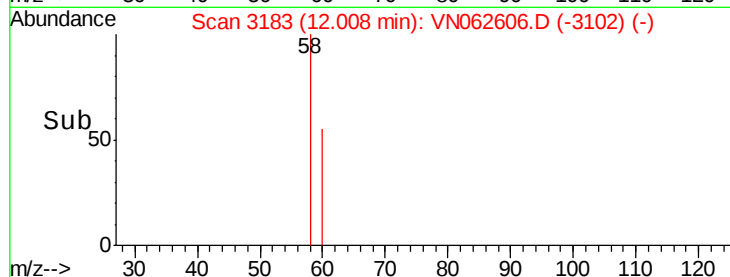
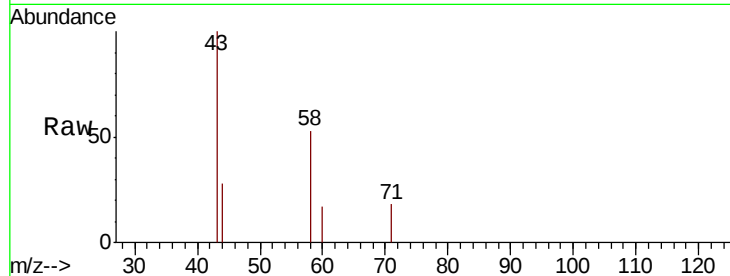
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

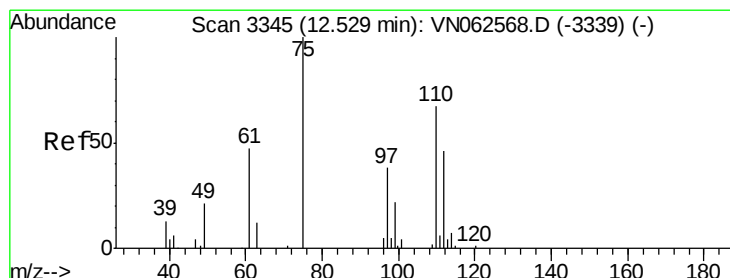
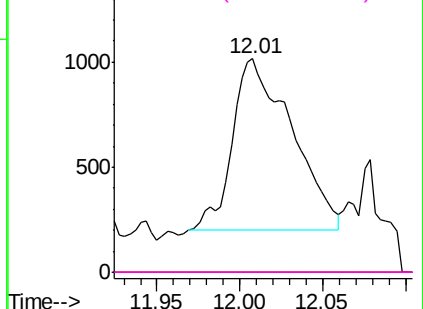


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.658 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062606.D

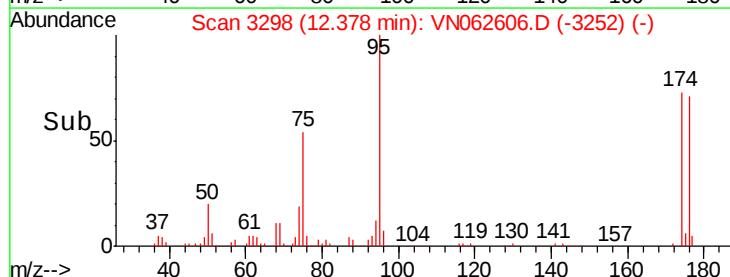
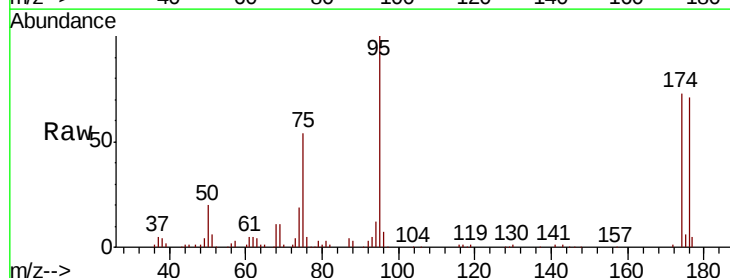
Acq: 27 Jul 2020 18:22

Tgt Ion: 75 Resp: 66930

Ion Ratio Lower Upper

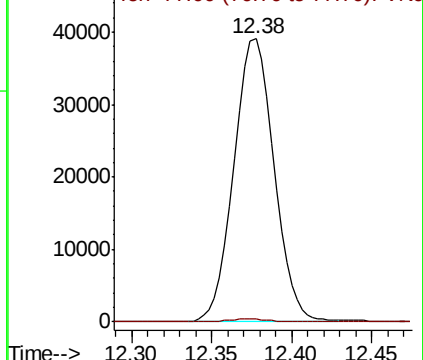
75 100

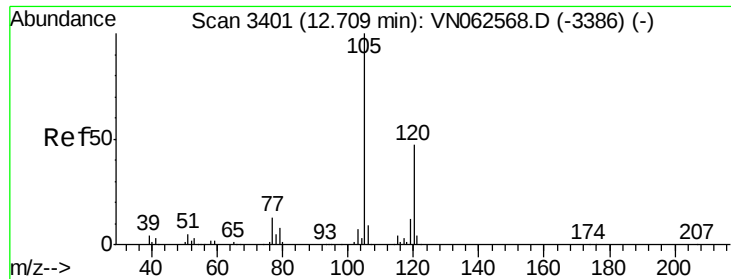
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

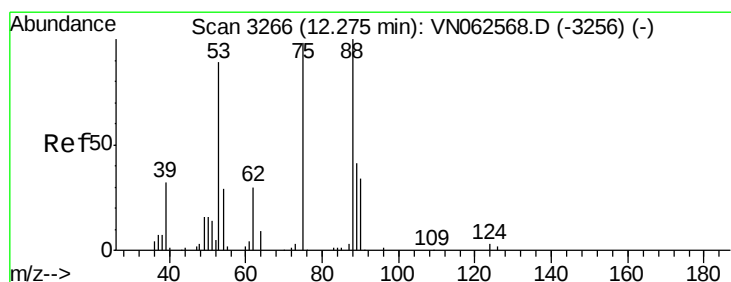
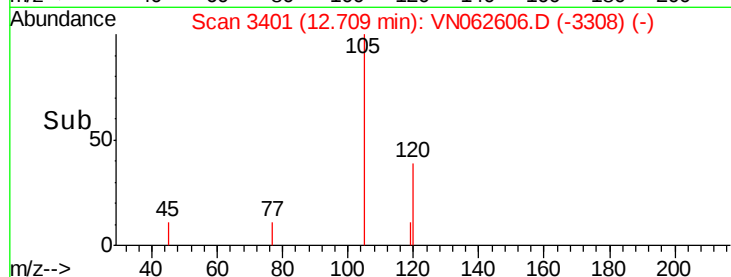
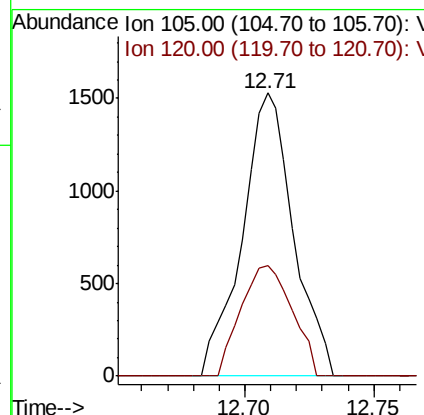
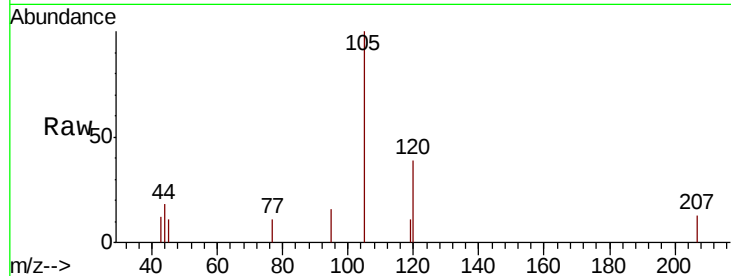




#80
 1,3,5-Trimethylbenzene
 Concen: 0.328 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

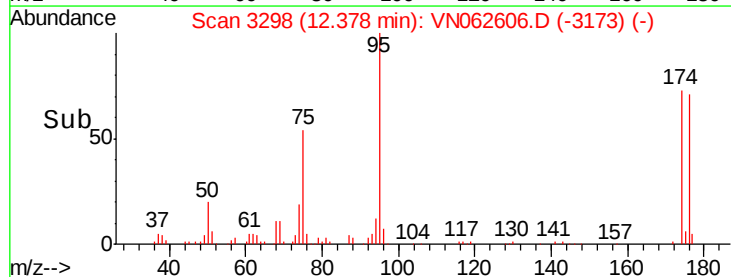
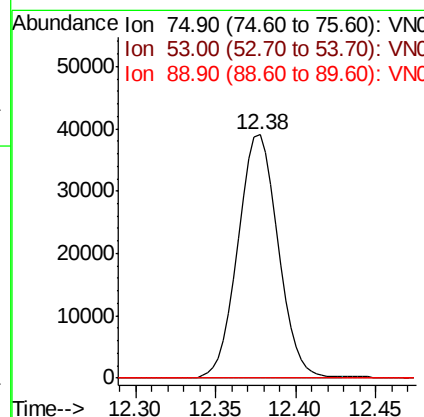
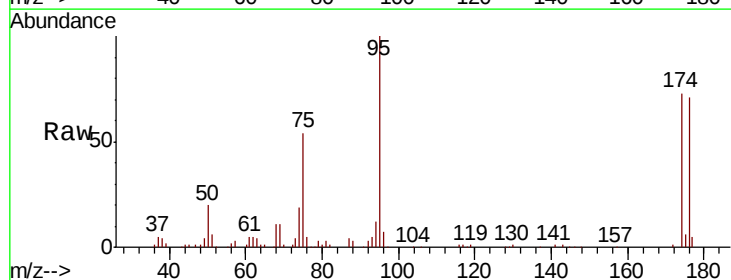
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#03

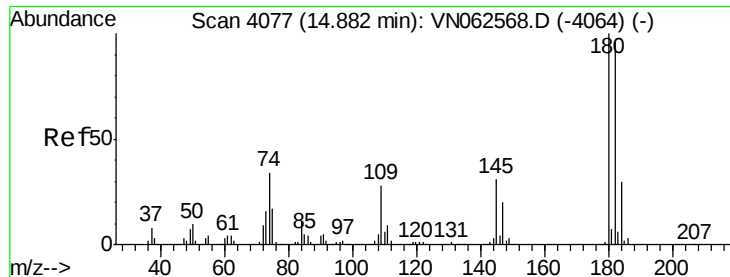
Tot Ion:105 Resp: 2121
 Ion Ratio Lower Upper
 105 100
 120 39.2 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.209 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

Tgt Ion: 75 Resp: 66930
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

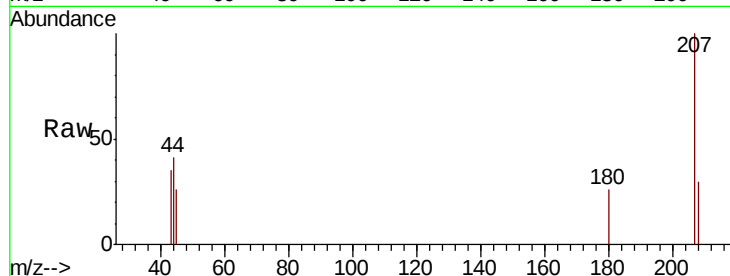




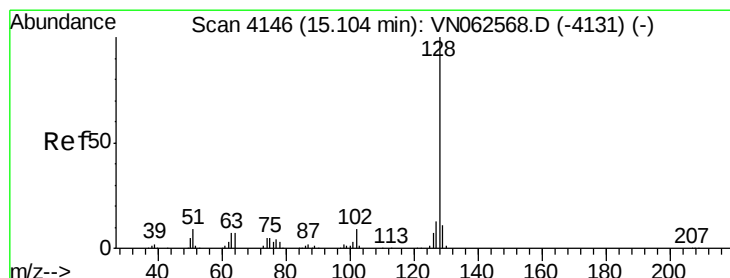
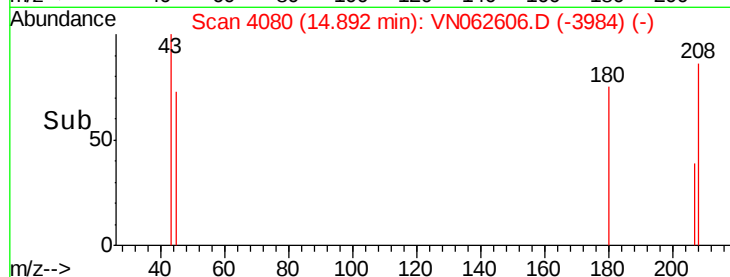
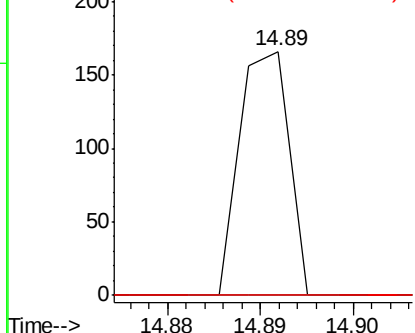
#93
 1,2,4-Trichlorobenzene
 Concen: 3.139 ug/l
 RT: 14.89 min Scan# 4080
 Delta R.T. 0.01 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#03

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.3	45.9#

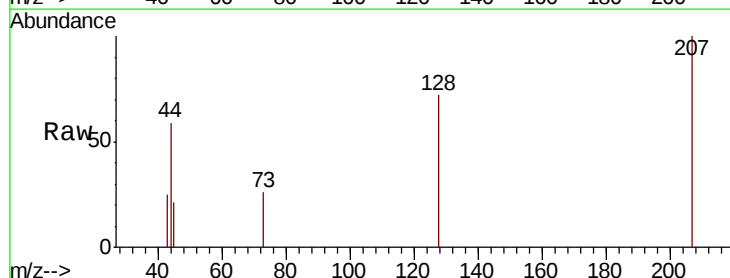


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.933 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN062606.D
 Acq: 27 Jul 2020 18:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

