

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062317.D
 Acq On : 2 Jul 2020 3:08
 Operator : JC/MD
 Sample : PB129873ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129873ZHE#03

Quant Time: Jul 02 06:59:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	199264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142575	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	164967	58.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	117.98%		
35) Dibromofluoromethane	7.55	113	129749	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.32%		
50) Toluene-d8	10.06	98	556264	51.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.32%		
62) 4-Bromofluorobenzene	12.38	95	178486	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.12%		

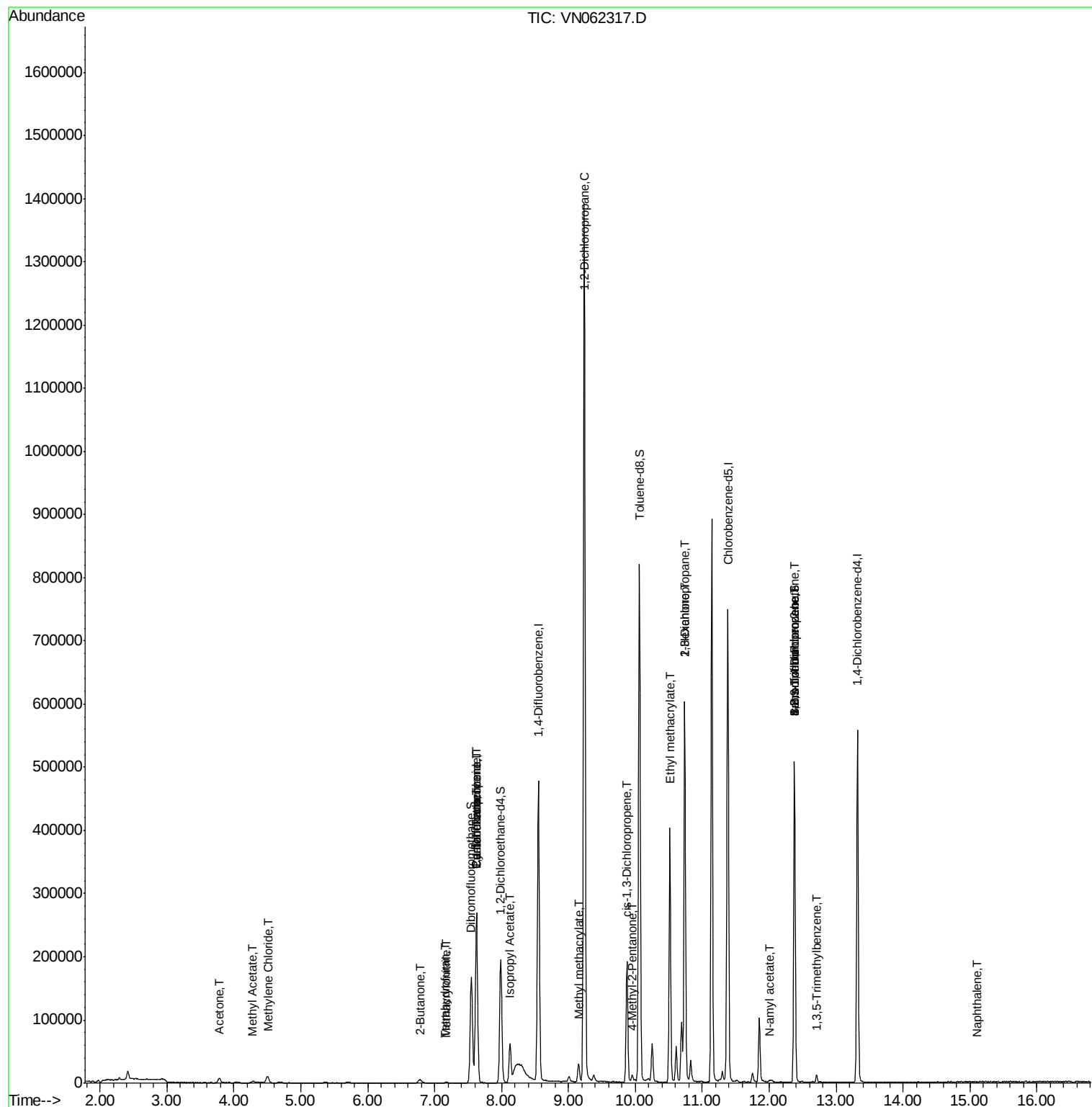
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	380	Below Cal	#	41
16) Acetone	3.78	43	12510	10.370	ug/l	91
18) Methyl Acetate	4.28	43	5379	2.420	ug/l #	83
20) Methylene Chloride	4.51	84	7251	2.619	ug/l	95
25) 2-Butanone	6.79	43	1472	1.077	ug/l #	83
29) Tetrahydrofuran	7.16	42	322	0.360	ug/l #	50
31) Cyclohexane	7.63	56	5202	1.346	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	18588	4.404	ug/l #	42
38) Carbon Tetrachloride	7.63	117	21112	5.306	ug/l #	16
41) Methacrylonitrile	7.18	41	438	0.270	ug/l #	31
43) Isopropyl Acetate	8.13	43	69182	12.143	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1913	0.603	ug/l #	43
48) Methyl methacrylate	9.15	41	3897	1.525	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	6635	1.993	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	34779	6.834	ug/l #	67
56) Ethyl methacrylate	10.51	69	1704	0.414	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	6453	1.215	ug/l #	42
59) 2-Hexanone	10.74	43	83291	34.651	ug/l #	49
71) Bromoform	12.38	173	1667	0.747	ug/l #	1
74) N-amyl acetate	12.00	43	3289	4.099	ug/l #	43
76) 1,2,3-Trichloropropane	12.37	75	91396	27.231	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6062	0.678	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.37	75	91396	79.525	ug/l #	13
95) Naphthalene	15.11	128	145	4.015	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

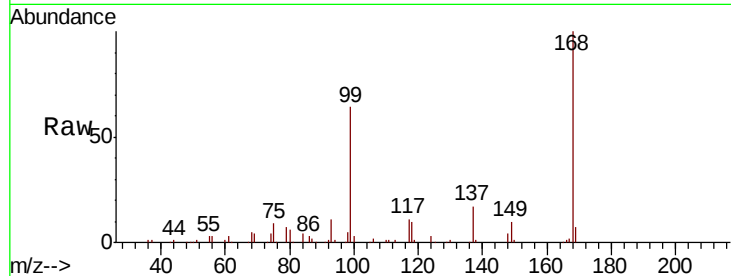
PB129873ZHE#03

Tot Ion:168 Resp: 199264

Ion Ratio Lower Upper

168 100

99 63.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

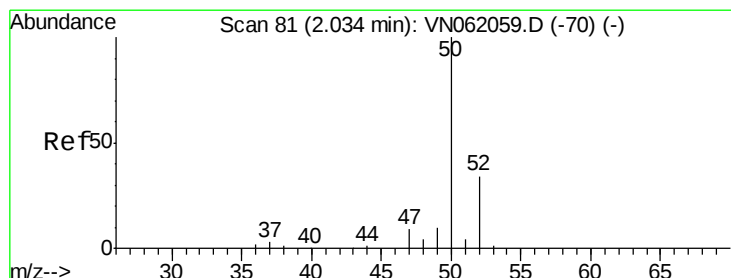
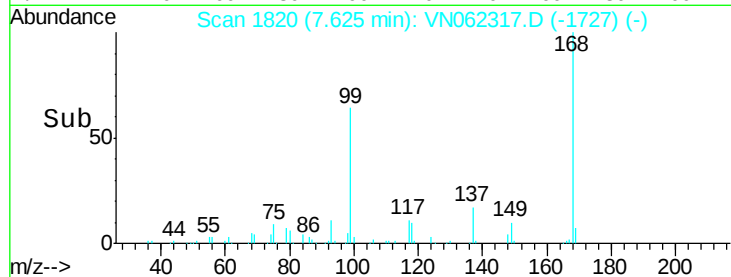
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062317.D

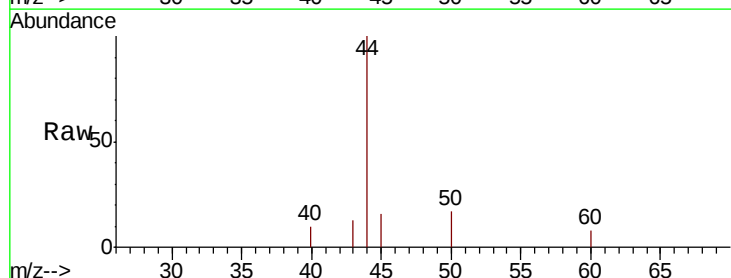
Acq: 2 Jul 2020 3:08

Tgt Ion: 50 Resp: 380

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

400

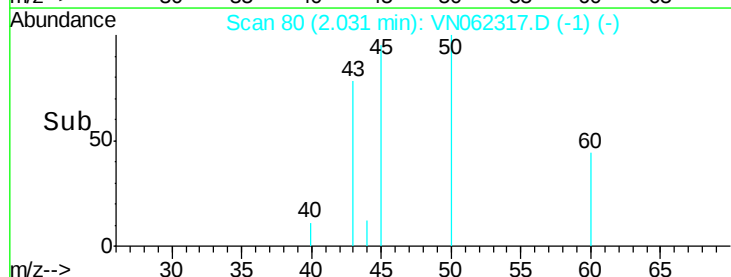
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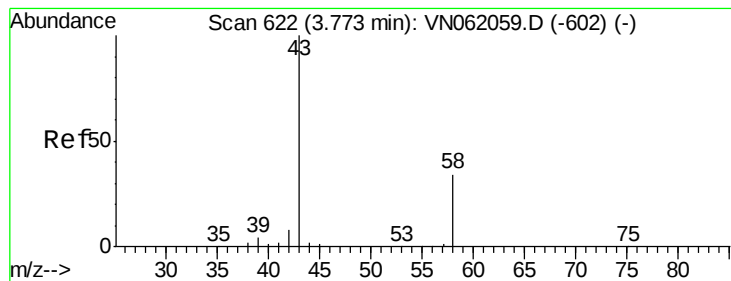
200

100

0

Time--> 2.00 2.02 2.04 2.06





#16

Acetone

Concen: 10.370 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

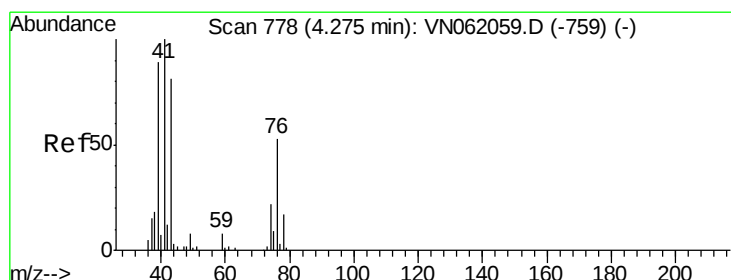
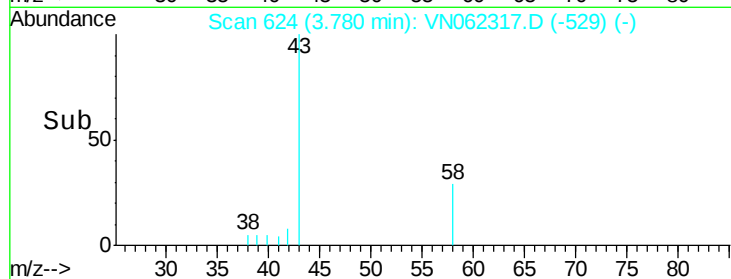
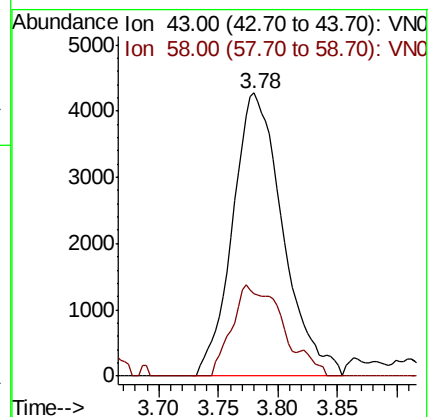
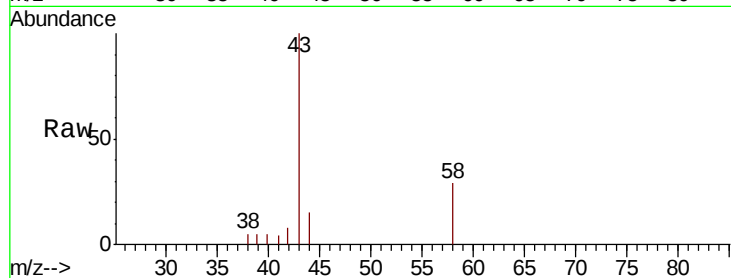
PB129873ZHE#03

Tot Ion: 43 Resp: 12510

Ion Ratio Lower Upper

43 100

58 29.2 27.5 41.3



#18

Methyl Acetate

Concen: 2.420 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062317.D

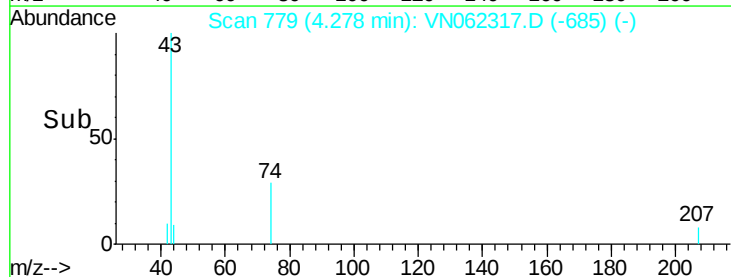
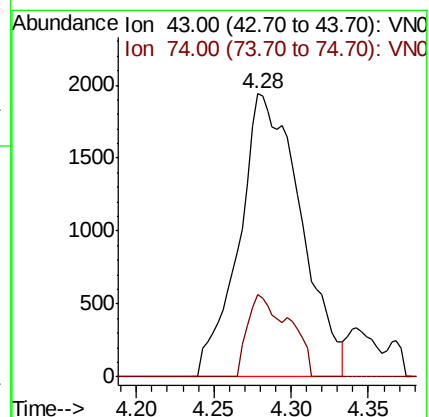
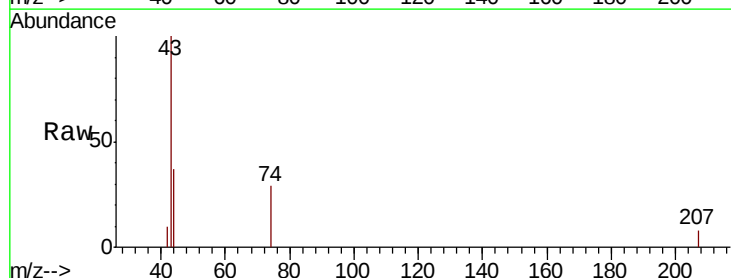
Acq: 2 Jul 2020 3:08

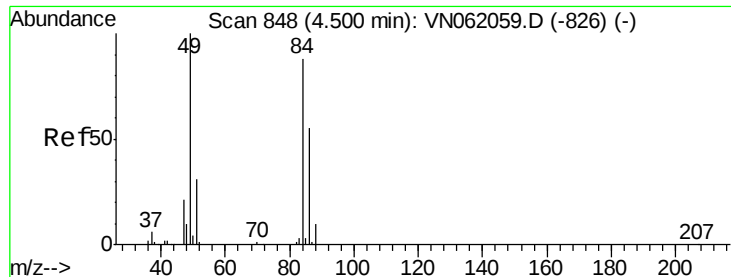
Tgt Ion: 43 Resp: 5379

Ion Ratio Lower Upper

43 100

74 19.4 22.9 34.3#

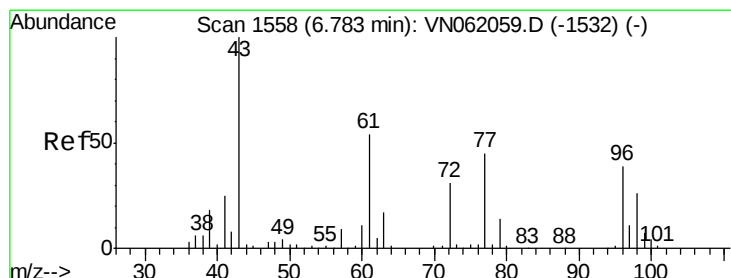
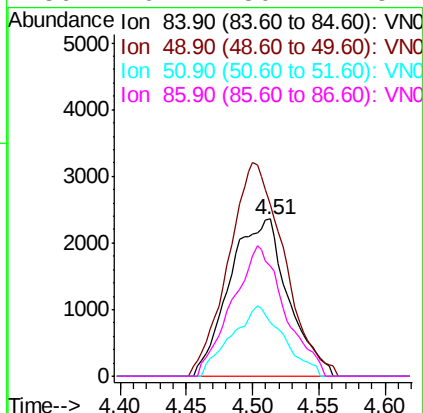
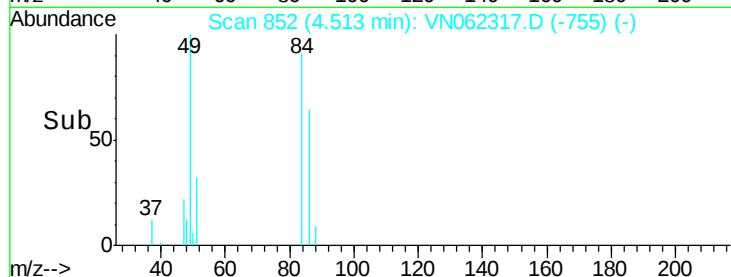
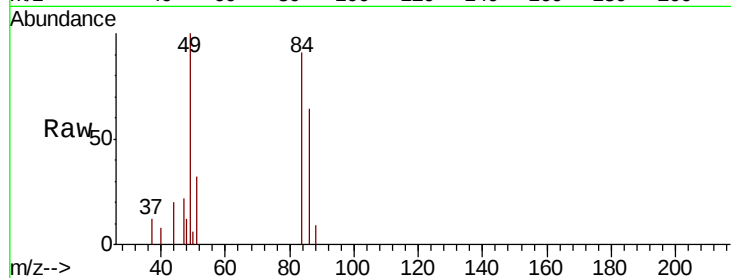




#20
Methvlene Chloride
Concen: 2.619 ug/l
RT: 4.51 min Scan# 852
Delta R.T. 0.01 min
Lab File: VN062317.D
Acq: 2 Jul 2020 3:08

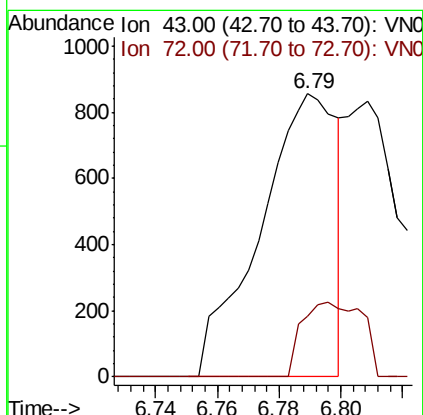
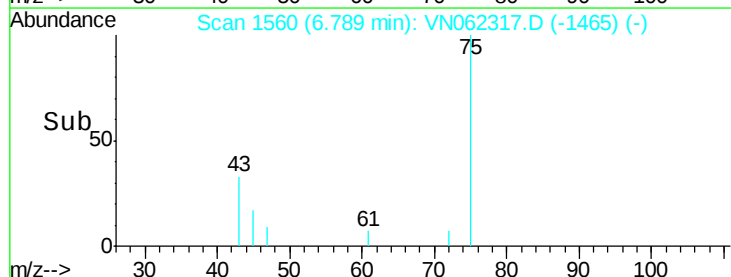
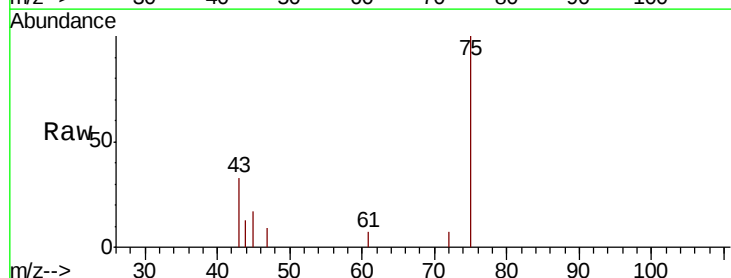
Instrument :
MSVOA_N
ClientSampleId :
PB129873ZHE#03

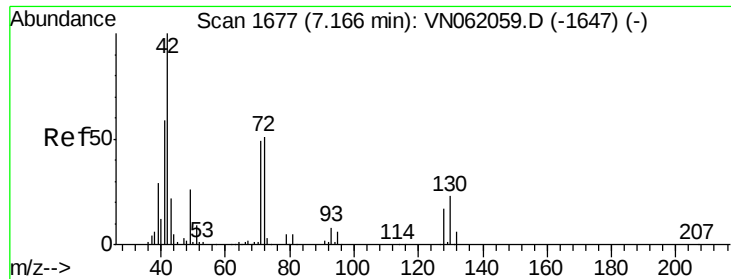
Tot Ion: 84	Resp: 7251
Ion Ratio	Lower Upper
84 100	
49 109.5	90.6 136.0
51 34.6	27.8 41.8
86 70.4	50.1 75.1



#25
2-Butanone
Concen: 1.077 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062317.D
Acq: 2 Jul 2020 3:08

Tgt Ion: 43	Resp: 1472
Ion Ratio	Lower Upper
43 100	
72 21.5	24.8 37.2#

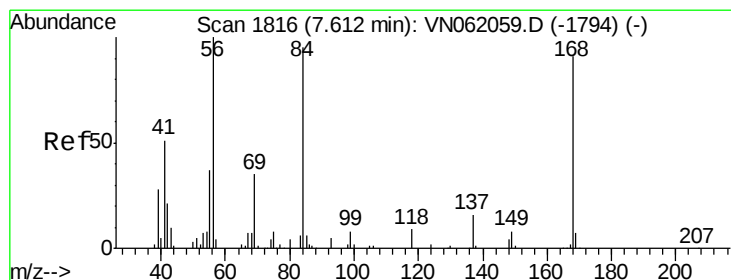
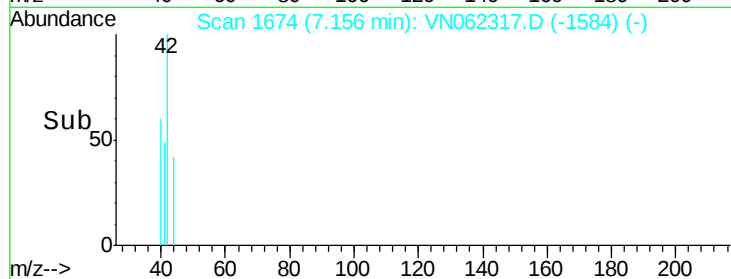
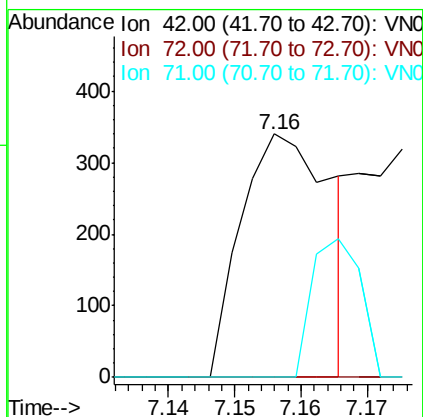
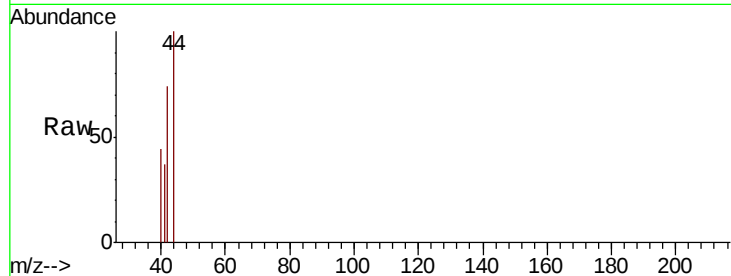




#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN062317.D
Acq: 2 Jul 2020 3:08

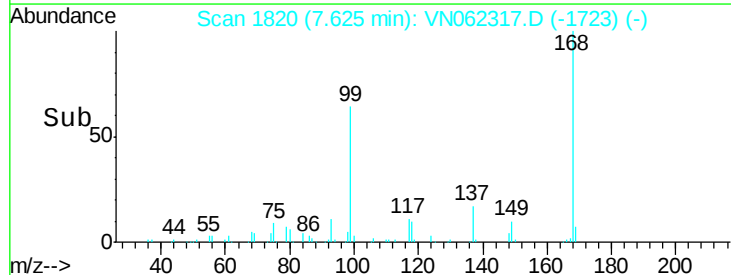
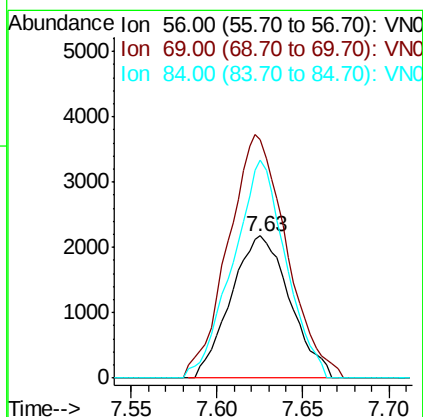
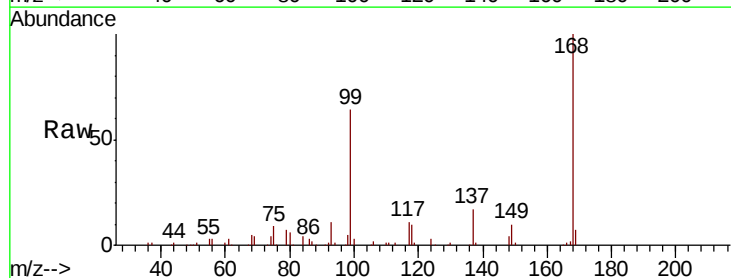
Instrument :
MSVOA_N
ClientSampleId :
PB129873ZHE#03

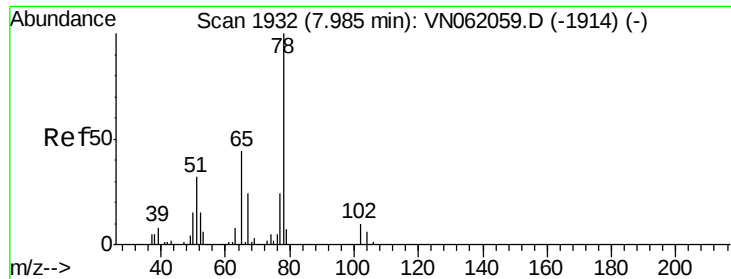
Tot Ion: 42 Resp: 322
Ion Ratio Lower Upper
42 100
72 0.0 41.1 61.7#
71 31.1 38.2 57.4#



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062317.D
Acq: 2 Jul 2020 3:08

Tgt Ion: 56 Resp: 5202
Ion Ratio Lower Upper
56 100
69 160.5 28.0 42.0#
84 153.0 76.1 114.1#

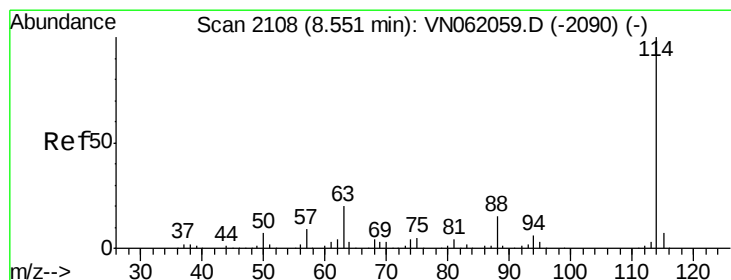
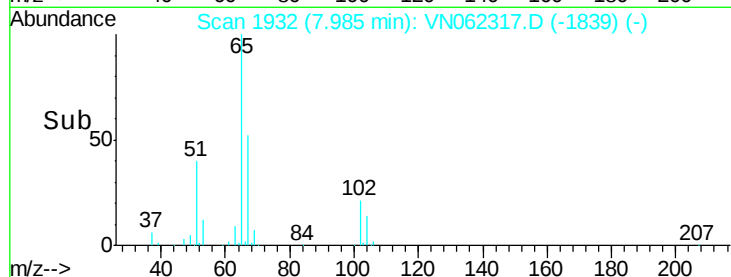
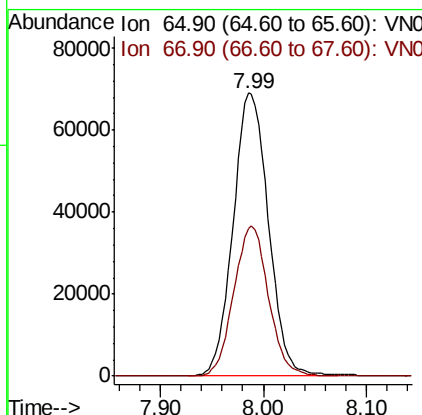
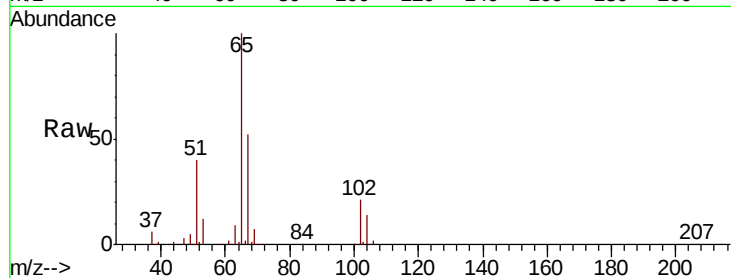




#33
 1,2-Dichloroethane-d4
 Concen: 58.994 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062317.D
 Acq: 2 Jul 2020 3:08

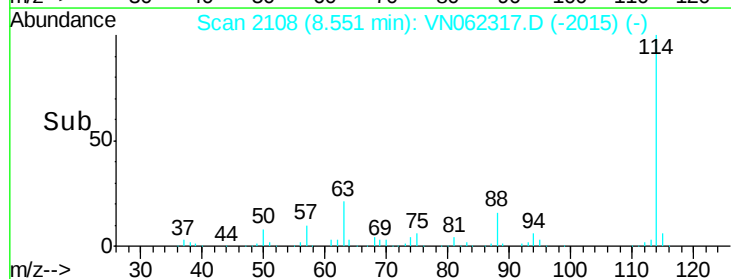
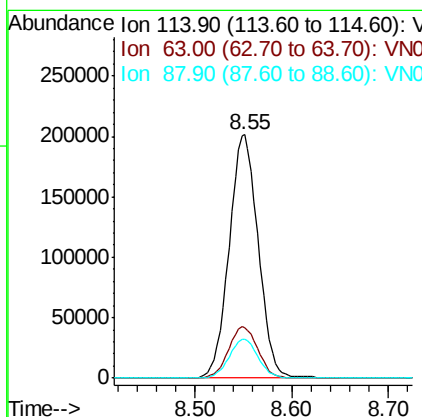
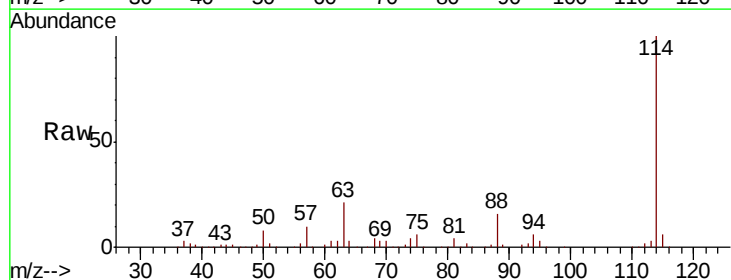
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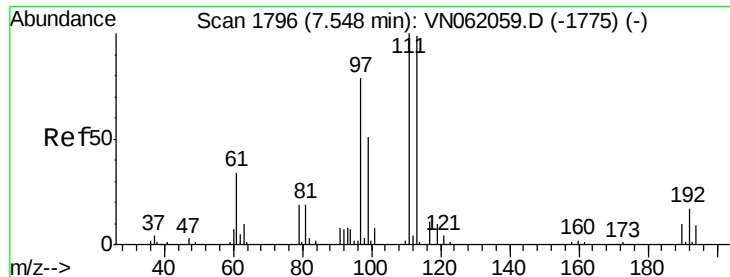
Tot Ion: 65 Resp: 164967
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062317.D
 Acq: 2 Jul 2020 3:08

Tgt Ion: 114 Resp: 419914
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.2
 88 16.1 0.0 30.8

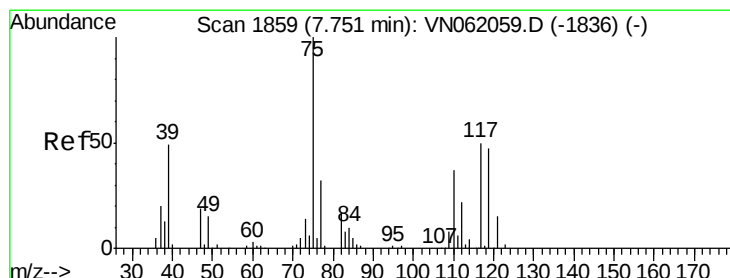
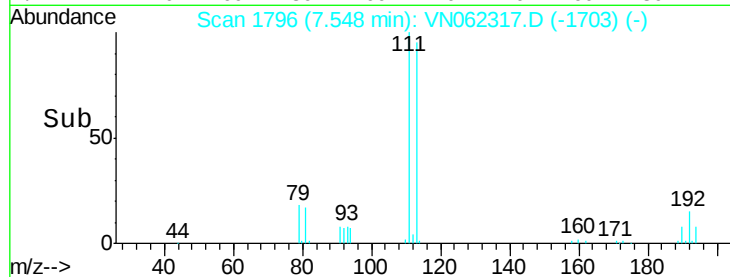
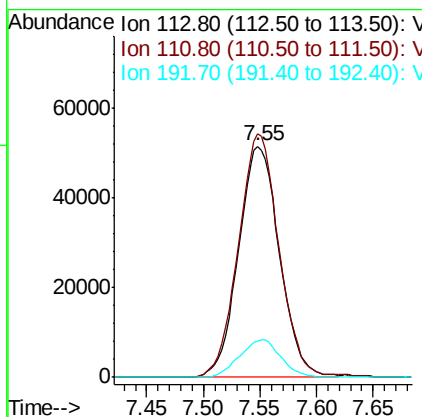
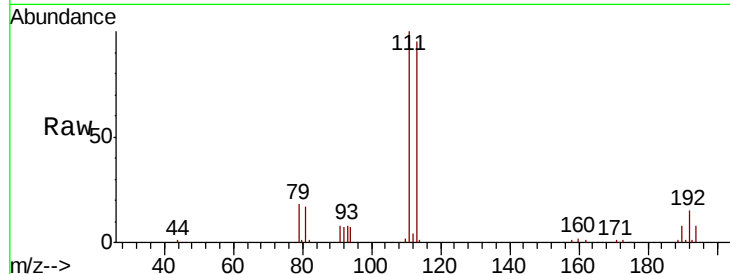




#35
 Dibromofluoromethane
 Concen: 48.163 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062317.D
 Acq: 2 Jul 2020 3:08

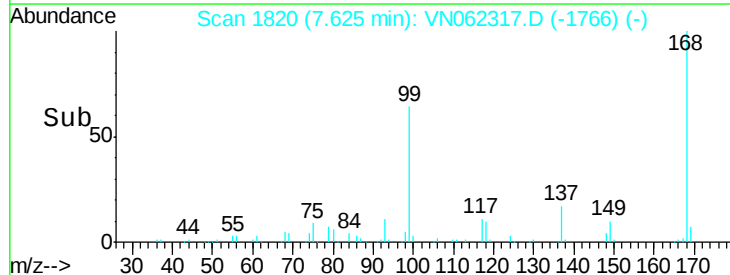
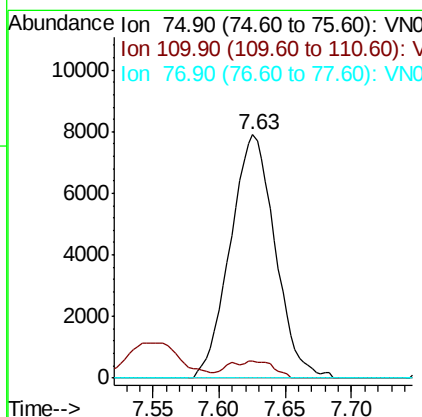
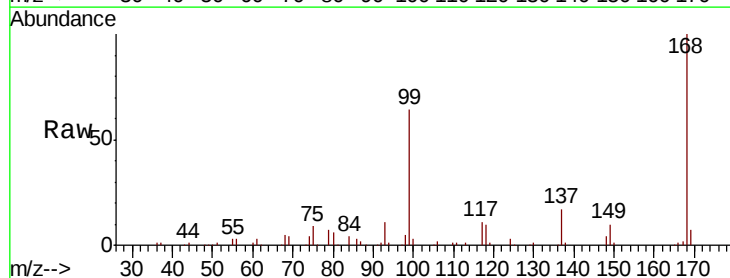
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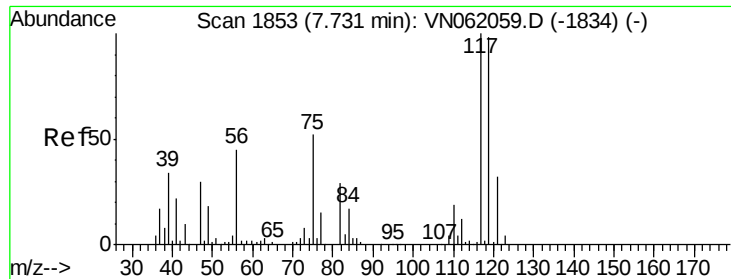
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.4
192	16.6	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.404 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062317.D
 Acq: 2 Jul 2020 3:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	1.3	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.306 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

PB129873ZHE#03

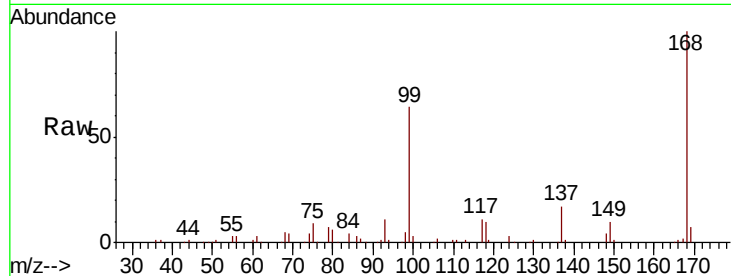
Tot Ion:117 Resp: 21112

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.2#

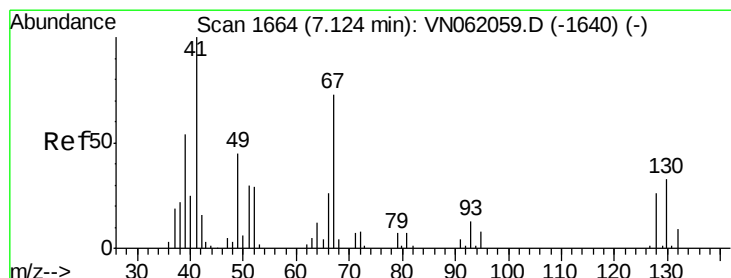
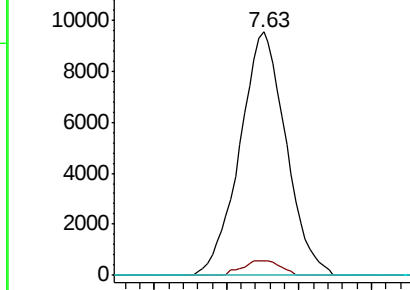
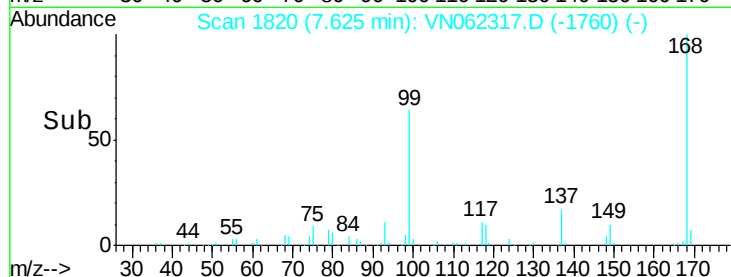
121 0.0 25.8 38.6#



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



#41

Methacrylonitrile

Concen: 0.270 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.05 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Tgt Ion: 41 Resp: 438

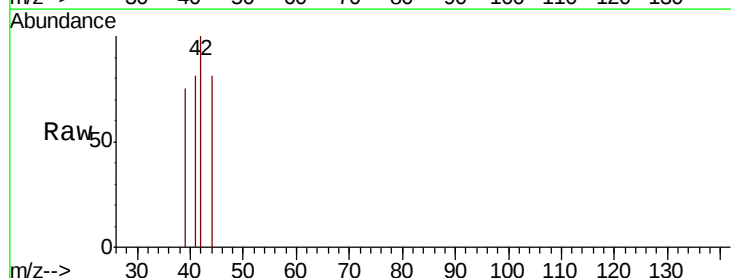
Ion Ratio Lower Upper

41 100

39 43.6 44.2 66.2#

67 0.0 79.5 119.3#

52 0.0 32.3 48.5#

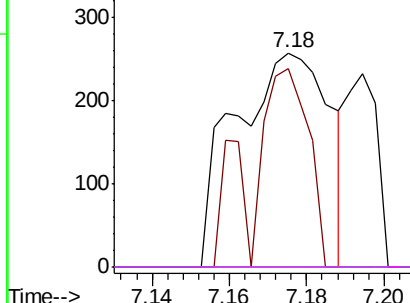
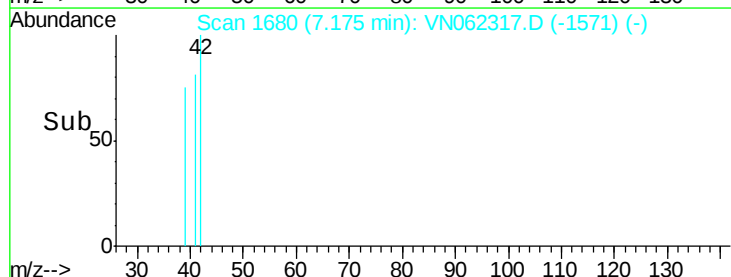


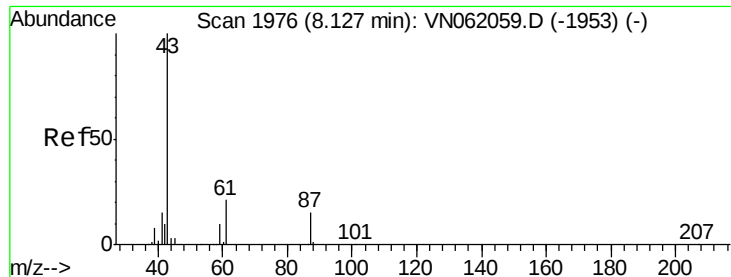
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 12.143 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

PB129873ZHE#03

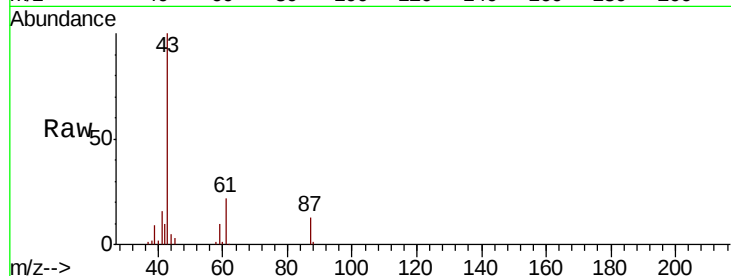
Tot Ion: 43 Resp: 69182

Ion Ratio Lower Upper

43 100

61 22.6 17.2 25.8

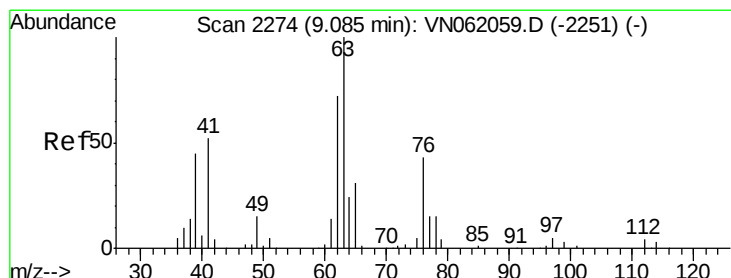
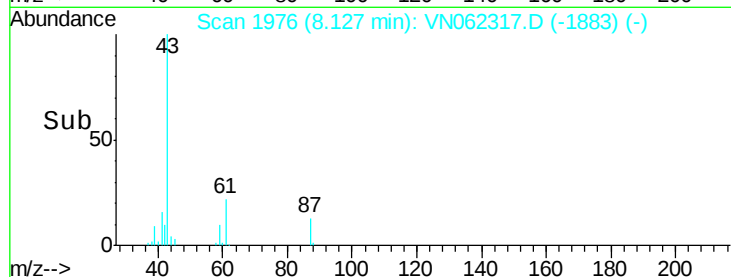
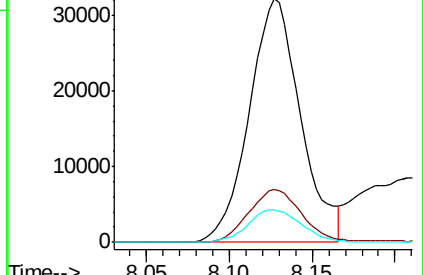
87 13.9 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062317.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062317.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062317.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.603 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN062317.D

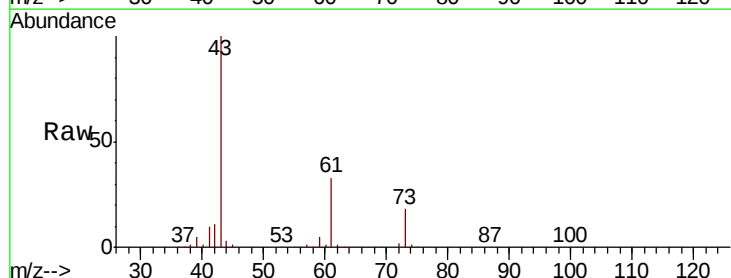
Acq: 2 Jul 2020 3:08

Tgt Ion: 63 Resp: 1913

Ion Ratio Lower Upper

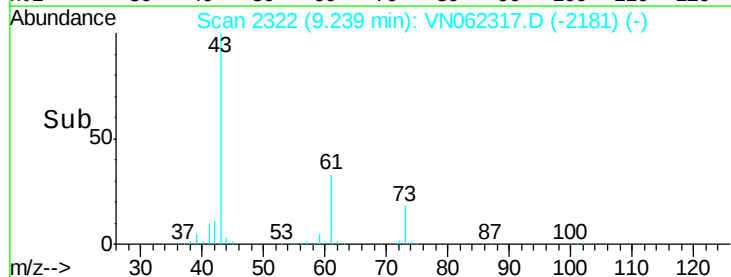
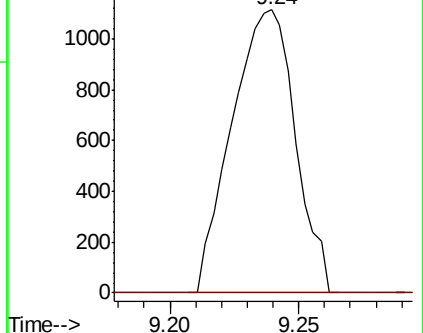
63 100

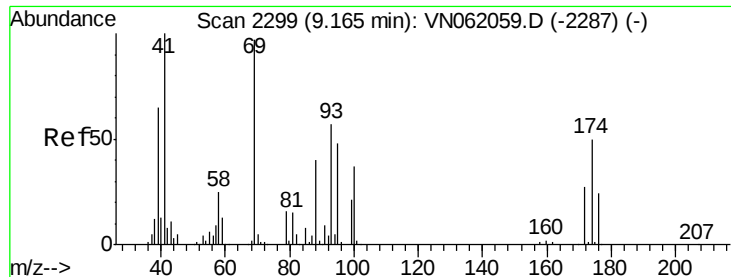
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN062317.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062317.D (-2181) (-)

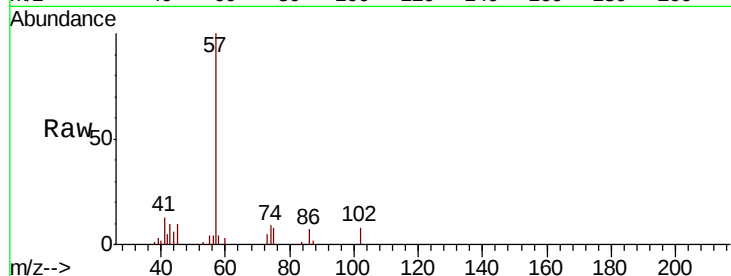




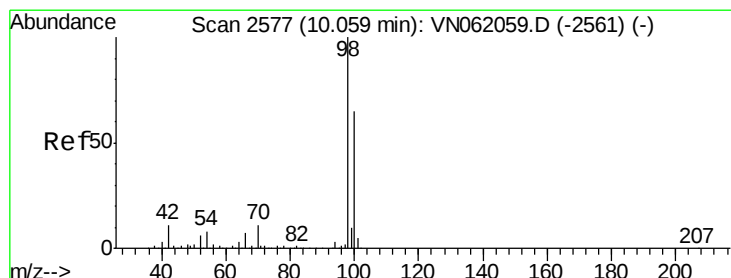
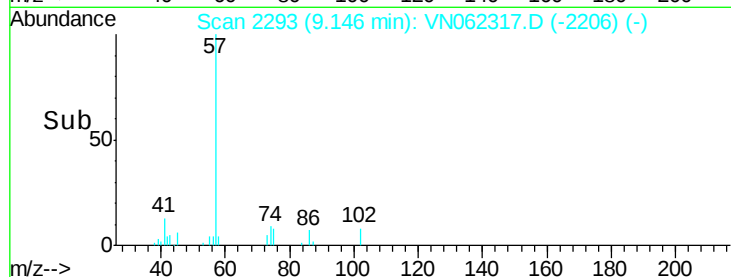
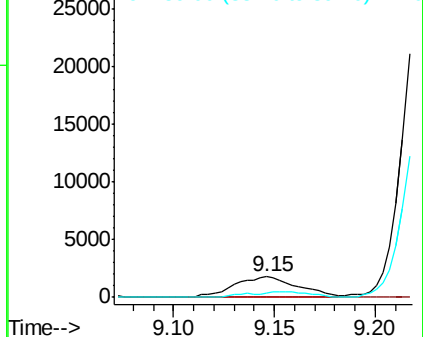
#48
Methvl methacrylate
Concen: 1.525 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062317.D
Acq: 2 Jul 2020 3:08

Instrument :
MSVOA_N
ClientSampleId :
PB129873ZHE#03

Tot Ion: 41 Resp: 3897
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 0.0 54.5 81.7#

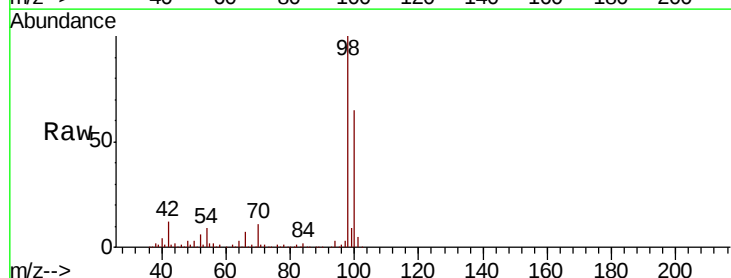


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

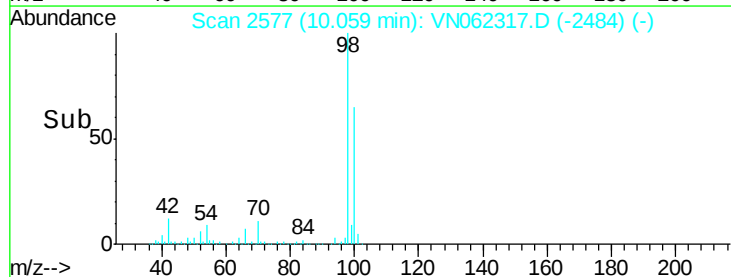
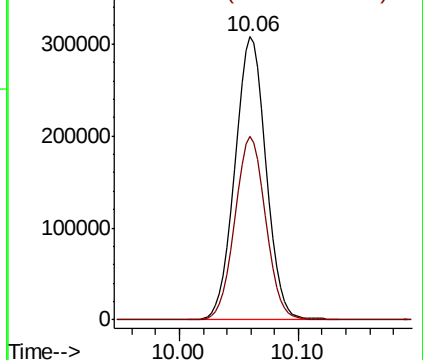


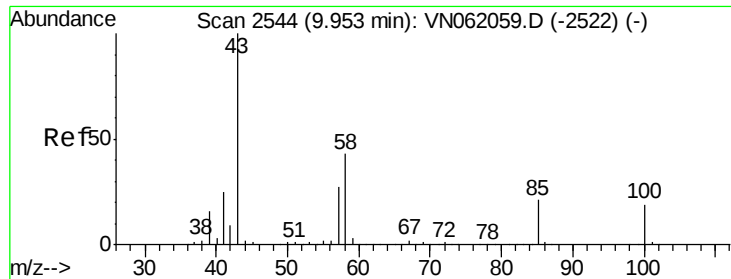
#50
Toluene-d8
Concen: 51.656 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062317.D
Acq: 2 Jul 2020 3:08

Tgt Ion: 98 Resp: 556264
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 1.993 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

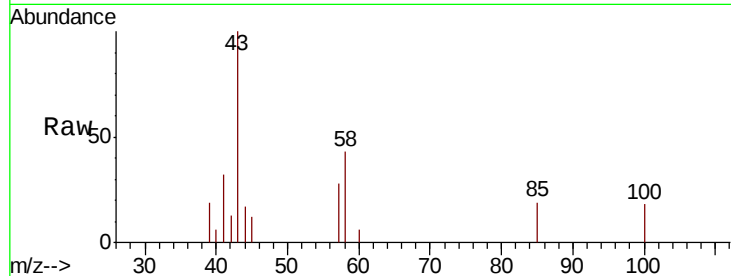
PB129873ZHE#03

Tot Ion: 43 Resp: 6635

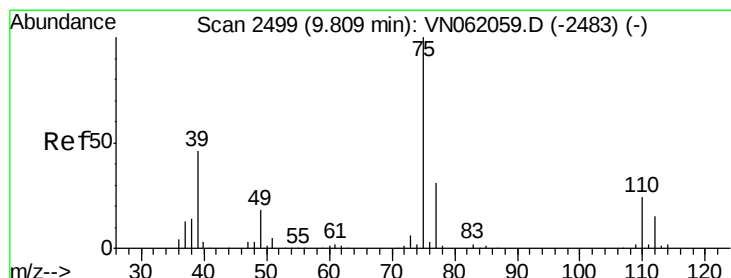
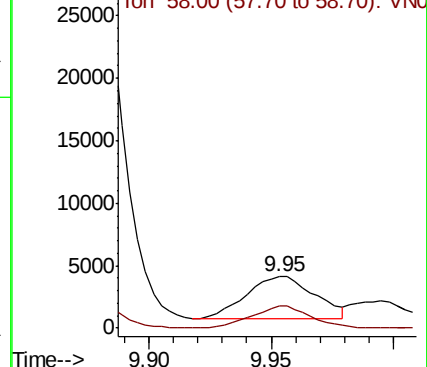
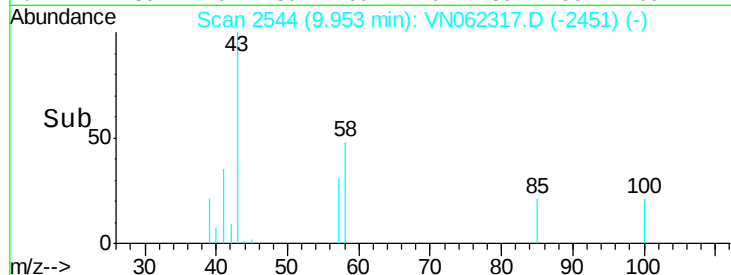
Ion Ratio Lower Upper

43 100

58 45.1 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062317.D (-2451) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.834 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

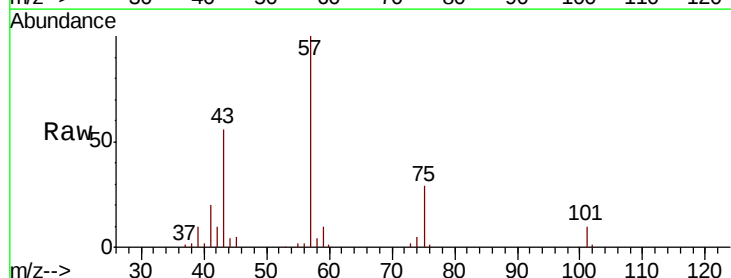
Tgt Ion: 75 Resp: 34779

Ion Ratio Lower Upper

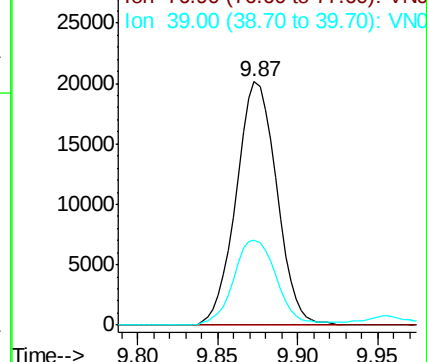
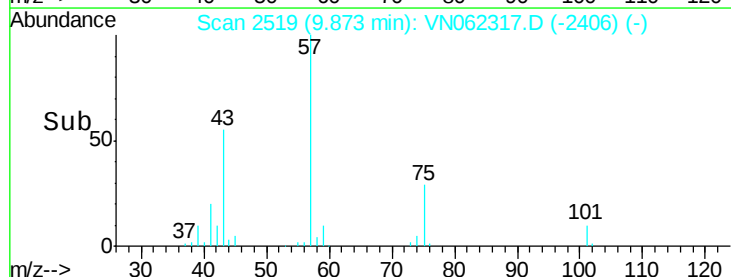
75 100

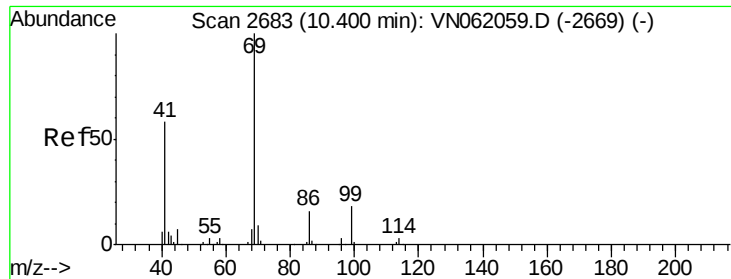
77 0.0 25.0 37.6#

39 34.7 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062317.D (-2406) (-)





#56

Ethyl methacrylate

Concen: 0.414 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

PB129873ZHE#03

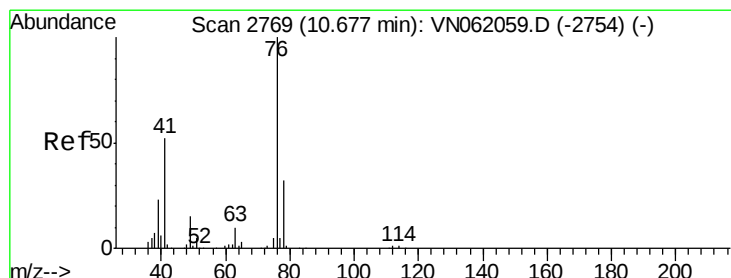
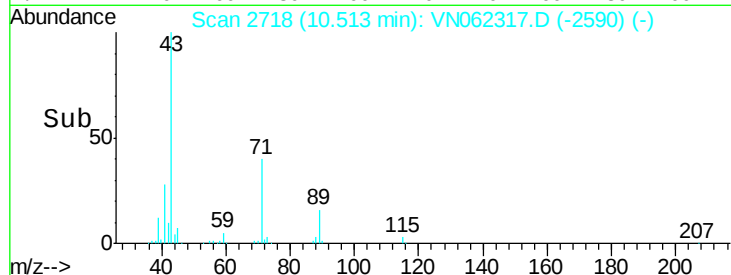
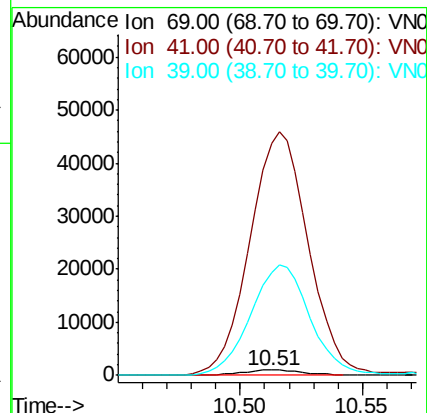
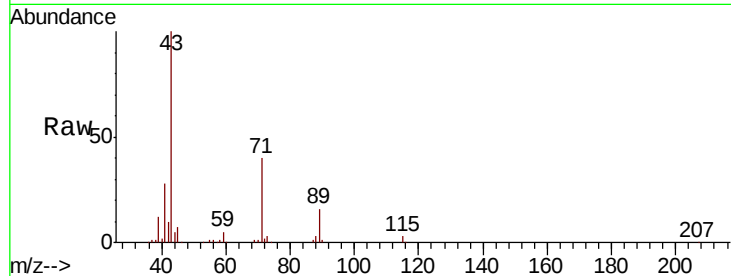
Tot Ion: 69 Resp: 1704

Ion Ratio Lower Upper

69 100

41 4488.1 46.6 70.0#

39 2076.1 31.0 46.4#



#57

1,3-Dichloropropane

Concen: 1.215 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN062317.D

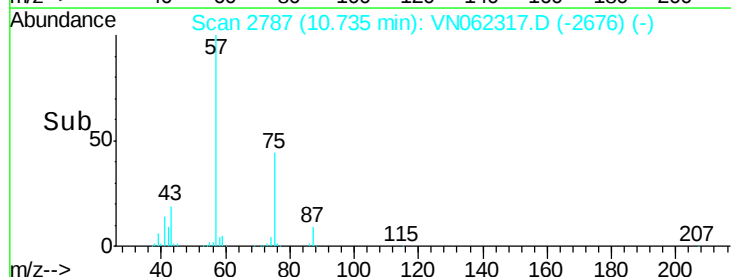
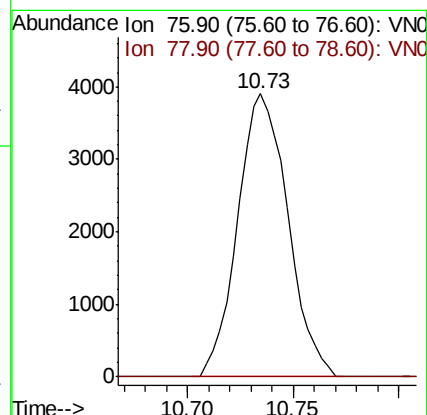
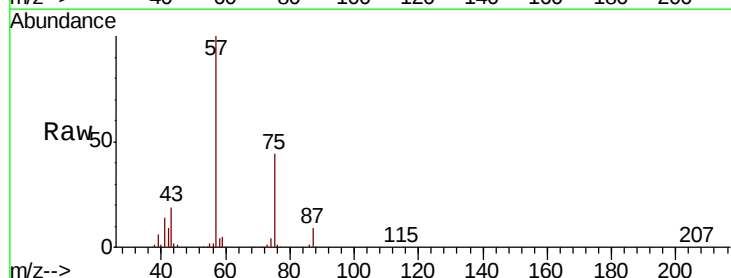
Acq: 2 Jul 2020 3:08

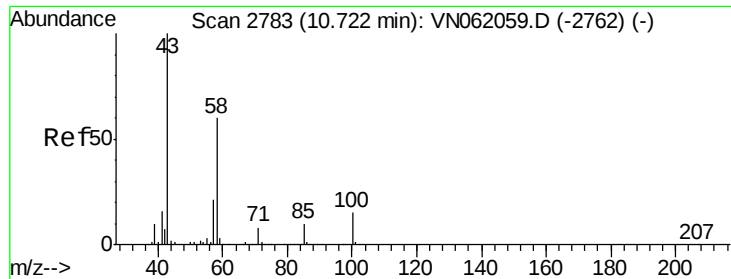
Tgt Ion: 76 Resp: 6453

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 34.651 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

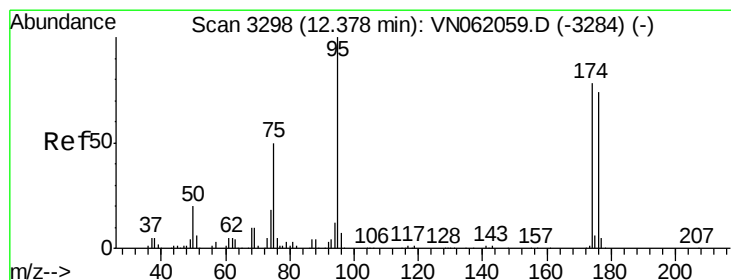
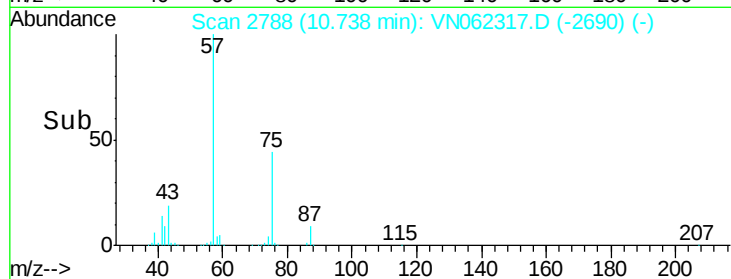
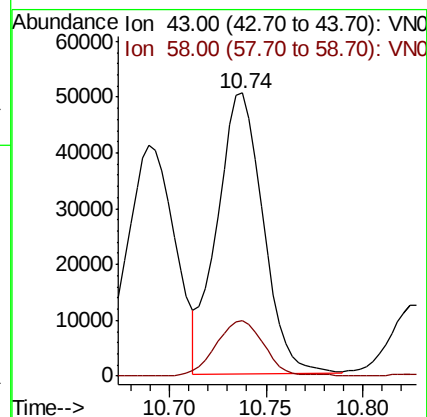
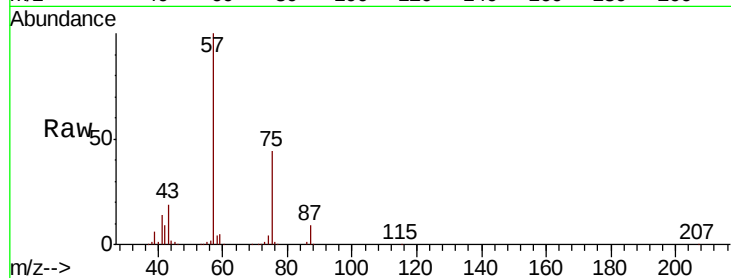
PB129873ZHE#03

Tot Ion: 43 Resp: 83291

Ion Ratio Lower Upper

43 100

58 21.0 29.5 88.5#



#62

4-Bromofluorobenzene

Concen: 49.058 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

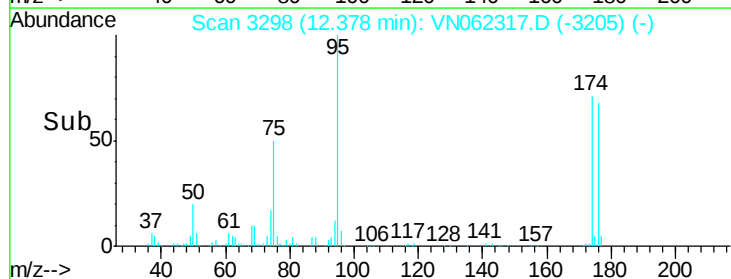
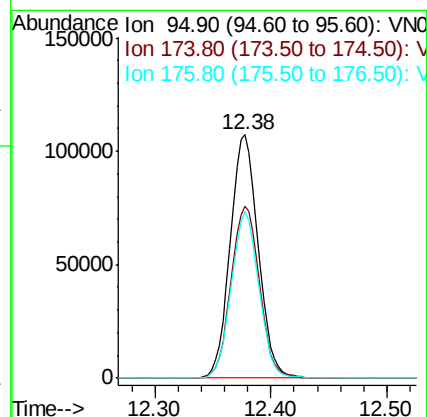
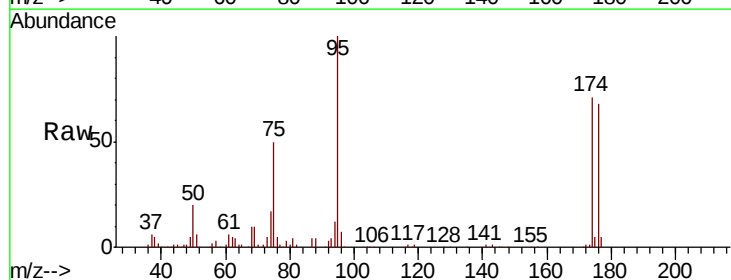
Tgt Ion: 95 Resp: 178486

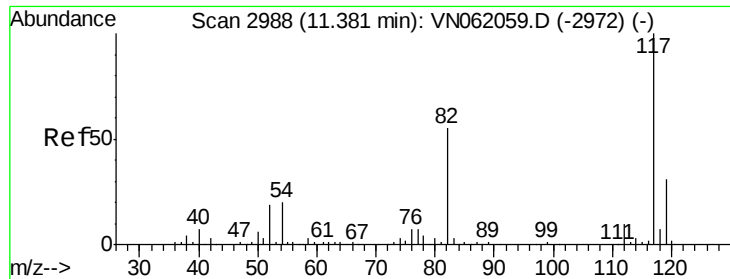
Ion Ratio Lower Upper

95 100

174 71.8 0.0 154.8

176 67.4 0.0 147.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

PB129873ZHE#03

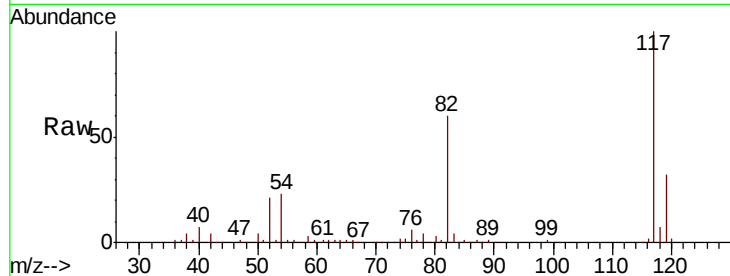
Tot Ion:117 Resp: 413431

Ion Ratio Lower Upper

117 100

82 59.8 43.8 65.8

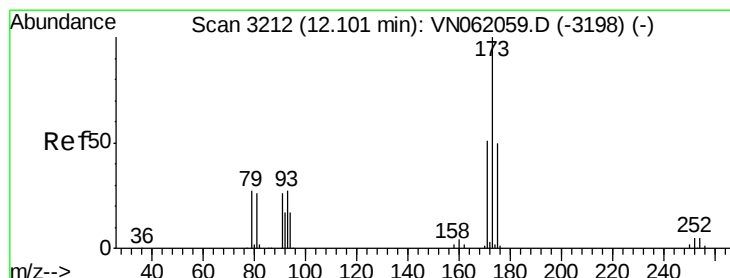
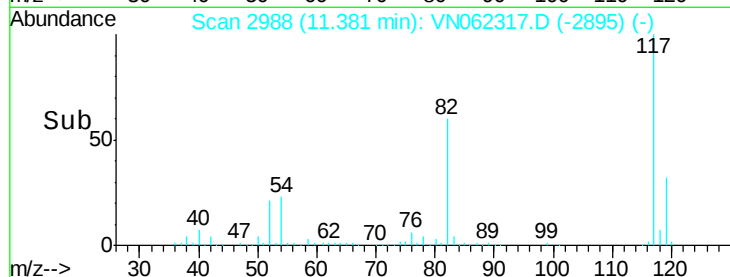
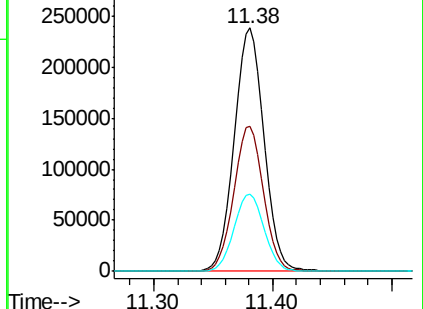
119 31.9 25.2 37.8



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



#71

Bromoform

Concen: 0.747 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

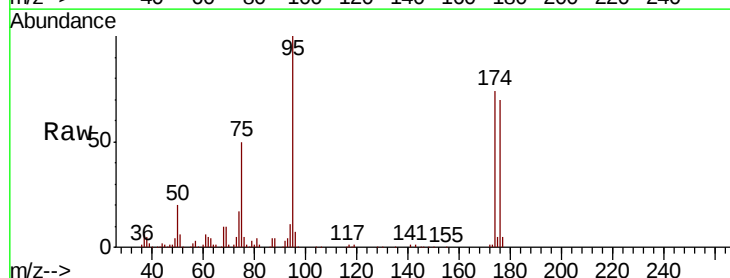
Tgt Ion:173 Resp: 1667

Ion Ratio Lower Upper

173 100

175 496.3 24.7 74.1#

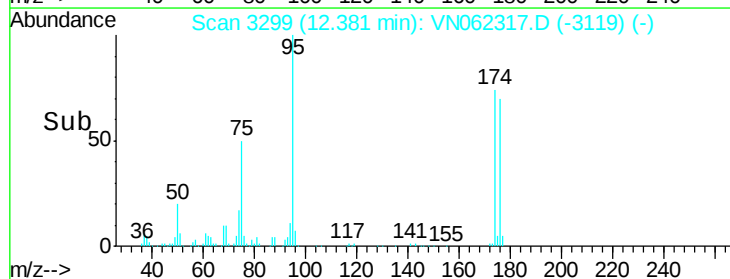
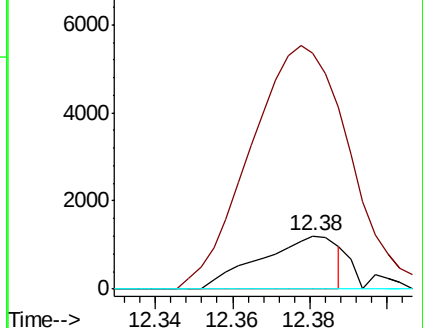
254 0.0 0.0 0.0

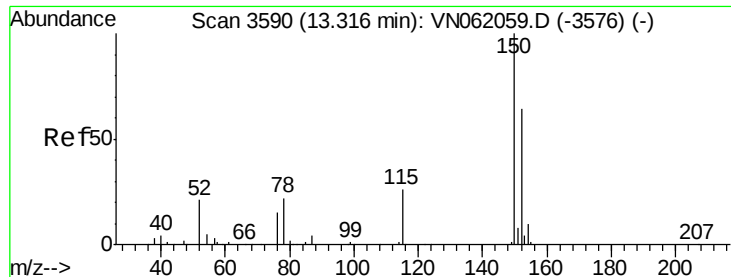


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

PB129873ZHE#03

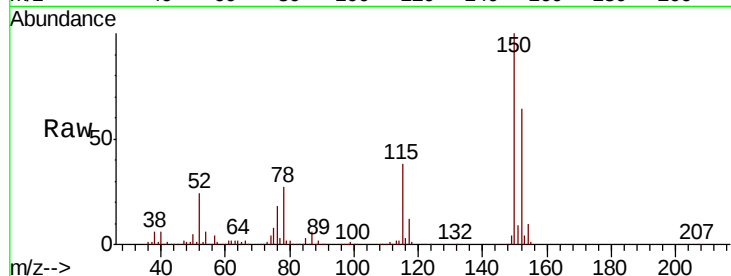
Tot Ion:152 Resp: 142575

Ion Ratio Lower Upper

152 100

115 61.1 29.5 88.5

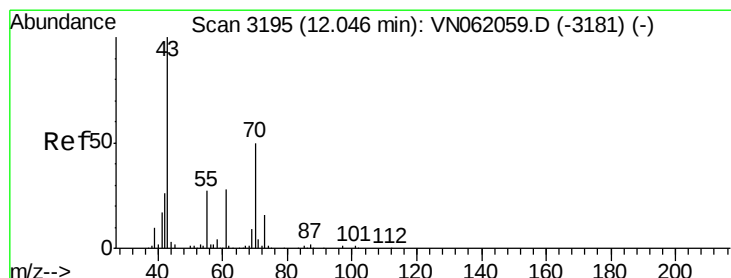
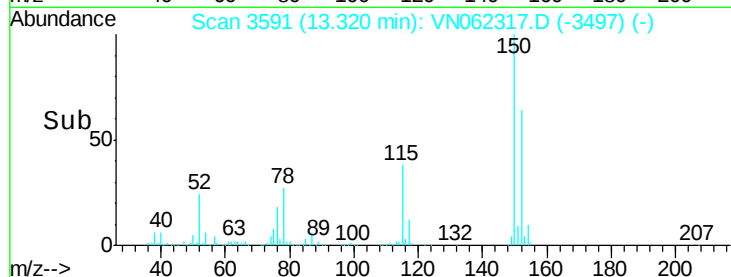
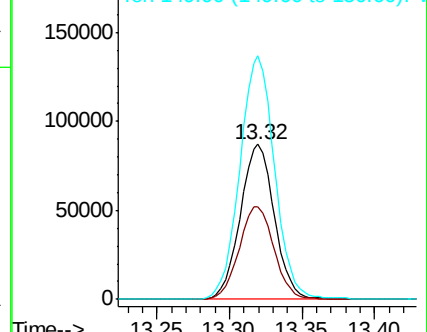
150 160.4 0.0 351.4



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: 4.099 ug/l

RT: 12.00 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Tgt Ion: 43 Resp: 3289

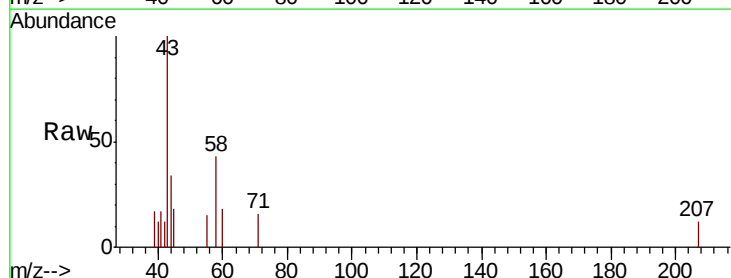
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 9.1 21.7 32.5#

61 0.0 21.3 31.9#

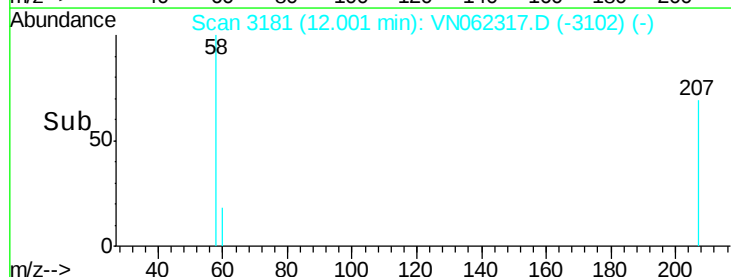
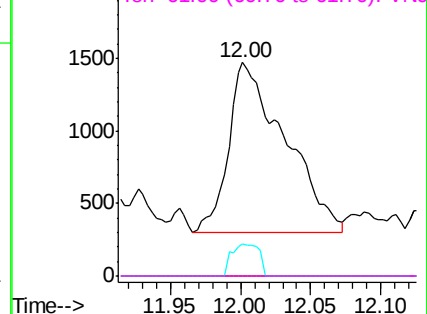


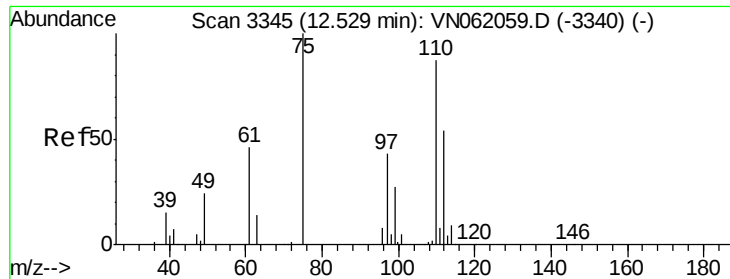
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

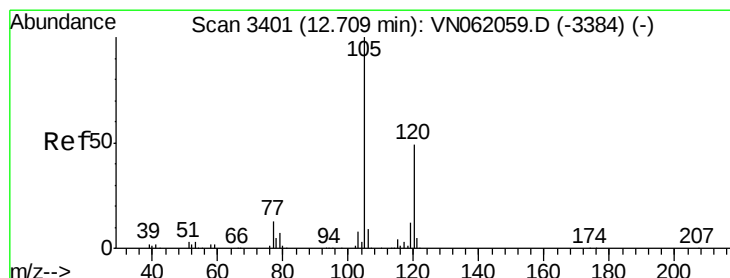
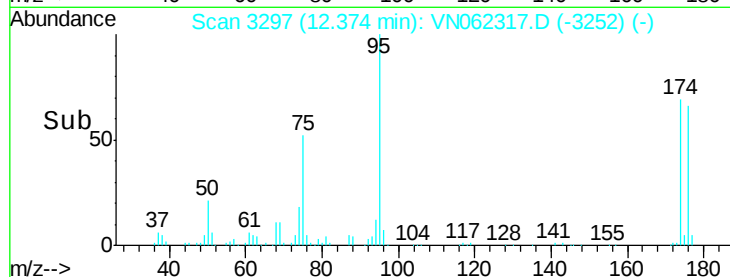
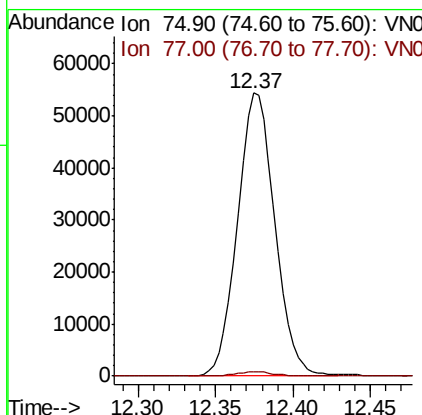
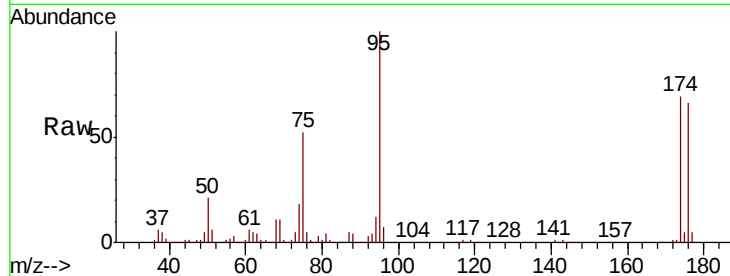




#76
 1,2,3-Trichloropropane
 Concen: 27.231 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN062317.D
 Acq: 2 Jul 2020 3:08

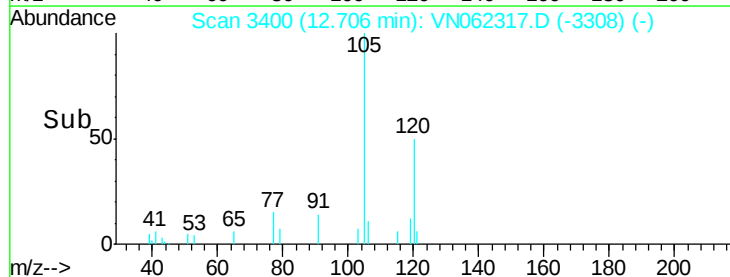
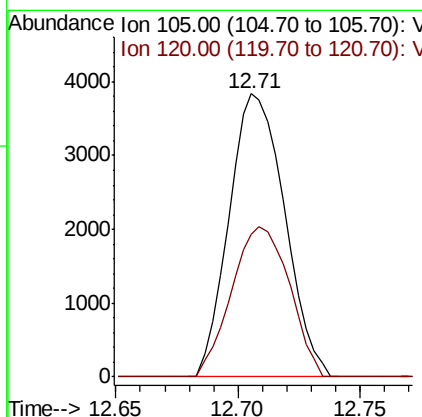
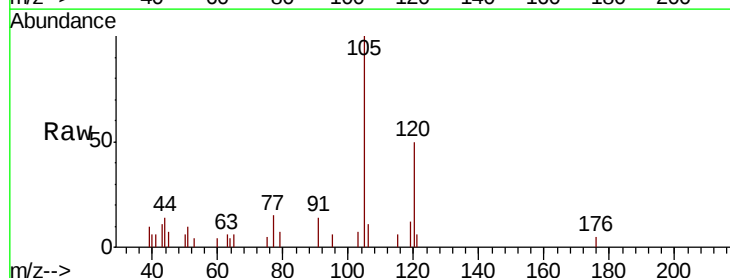
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129873ZHE#03

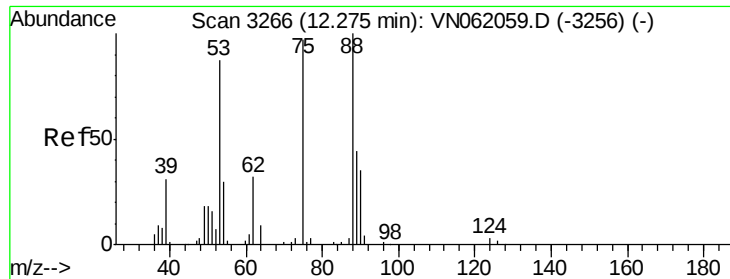
Tot Ion: 75 Resp: 91396
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.678 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN062317.D
 Acq: 2 Jul 2020 3:08

Tgt Ion: 105 Resp: 6062
 Ion Ratio Lower Upper
 105 100
 120 55.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.525 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

Instrument :

MSVOA_N

ClientSampleId :

PB129873ZHE#03

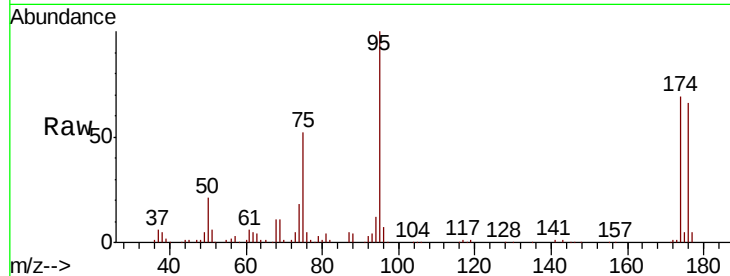
Tot Ion: 75 Resp: 91396

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

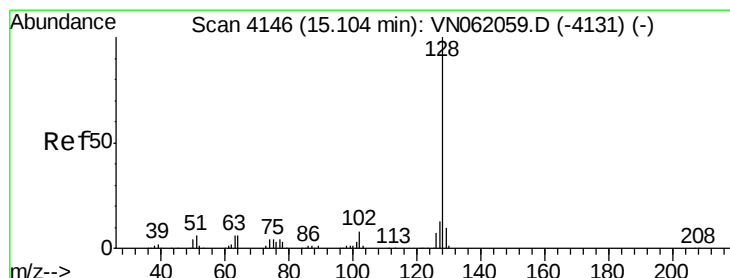
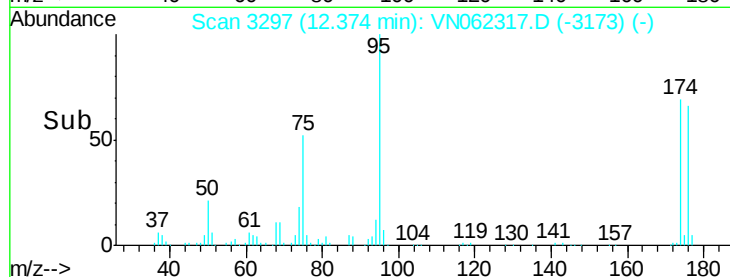
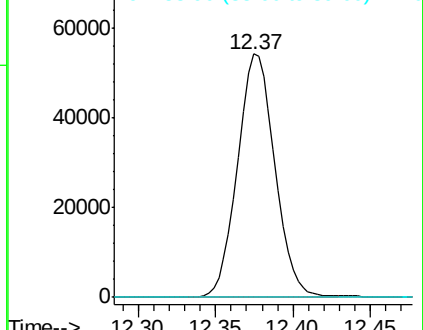
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062317.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062317.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062317.D (-3173) (-)



#95

Naphthalene

Concen: 4.015 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062317.D

Acq: 2 Jul 2020 3:08

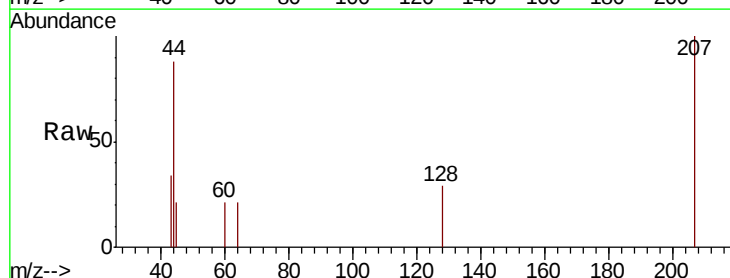
Tgt Ion: 128 Resp: 145

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062317.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062317.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062317.D (-4053) (-)

