

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062841.D
 Acq On : 11 Aug 2020 19:57
 Operator : JC/MD
 Sample : PB130874ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#03

Quant Time: Aug 11 21:24:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	120711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	224034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	229326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	107299	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.55	113	76188	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.06	98	294355	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.38	95	107665	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

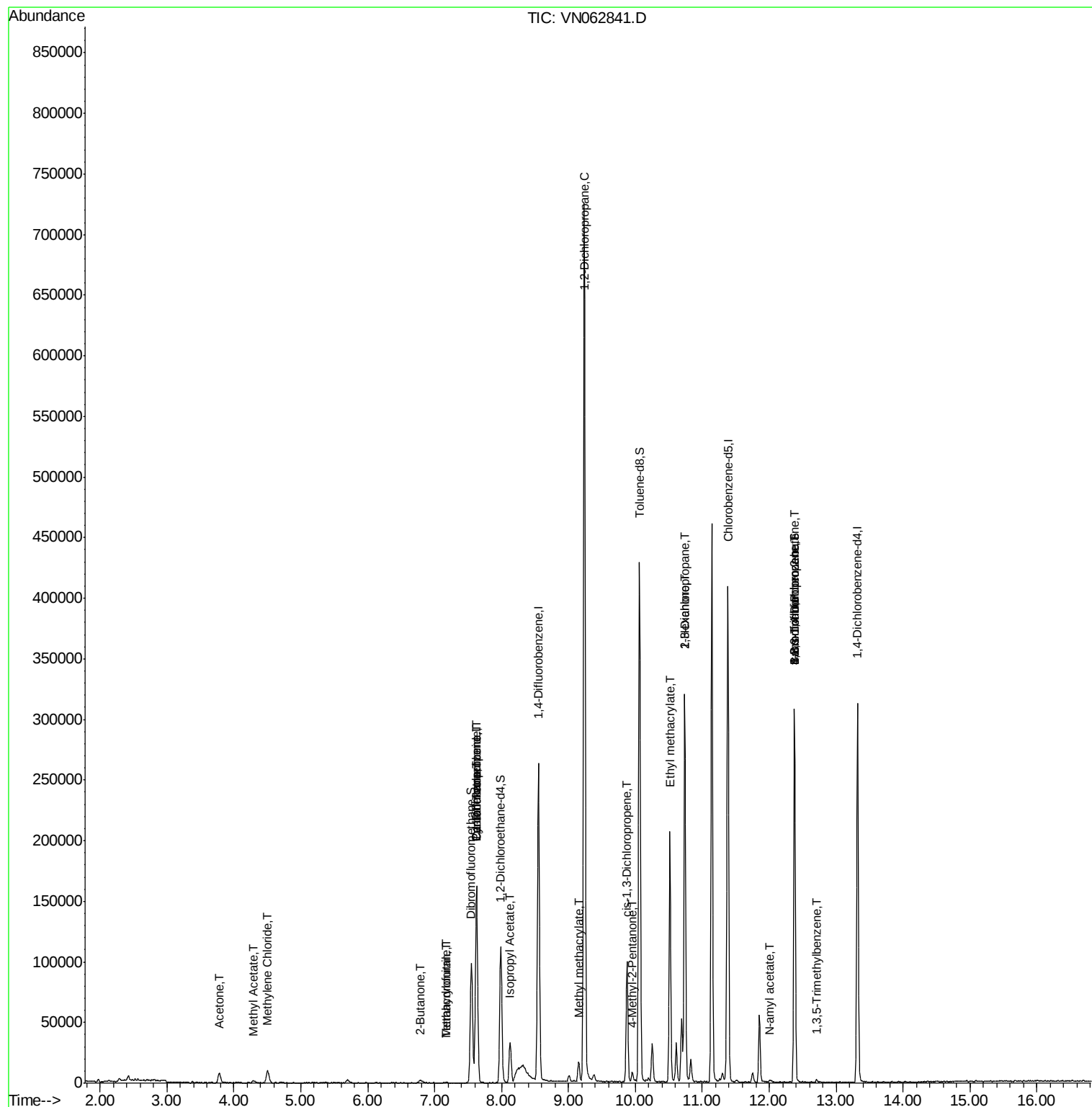
Target Compounds						Qvalue
16) Acetone	3.78	43	13836	19.182	ug/l	100
18) Methyl Acetate	4.29	43	3922	1.196	ug/l #	58
20) Methylene Chloride	4.50	84	8094	5.454	ug/l #	80
25) 2-Butanone	6.79	43	2799	2.740	ug/l	92
29) Tetrahydrofuran	7.17	42	424	0.639	ug/l #	33
31) Cyclohexane	7.62	56	1662	0.687	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10489	4.808	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13305	5.157	ug/l #	16
41) Methacrylonitrile	7.18	41	324	0.315	ug/l #	6
43) Isopropyl Acetate	8.13	43	40036	10.533	ug/l	98
45) 1,2-Dichloropropane	9.23	63	981	0.557	ug/l #	45
48) Methyl methacrylate	9.14	41	2389	1.278	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	4975	2.023	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	18063	6.309	ug/l #	66
56) Ethyl methacrylate	10.52	69	1100	0.426	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3419	1.172	ug/l #	43
59) 2-Hexanone	10.74	43	46491	25.344	ug/l #	54
71) Bromoform	12.37	173	1030	0.654	ug/l #	1
74) N-amyl acetate	12.01	43	1933	0.754	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	57223	25.264	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1922	0.350	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	57223	77.124	ug/l #	10

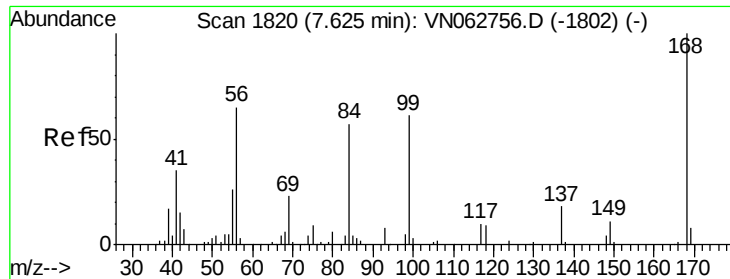
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

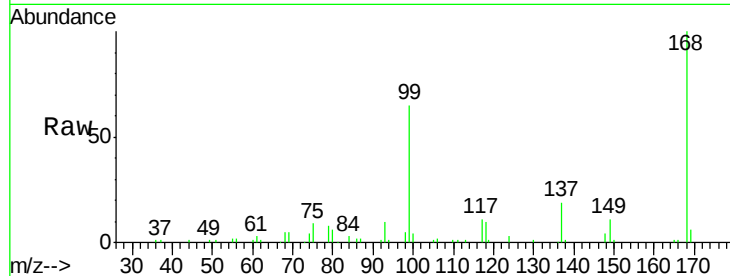
PB130874ZHE#03

Tgt Ion:168 Resp: 120711

Ion Ratio Lower Upper

168 100

99 65.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062841.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062841.D (-1727) (-)

7.63

60000

50000

40000

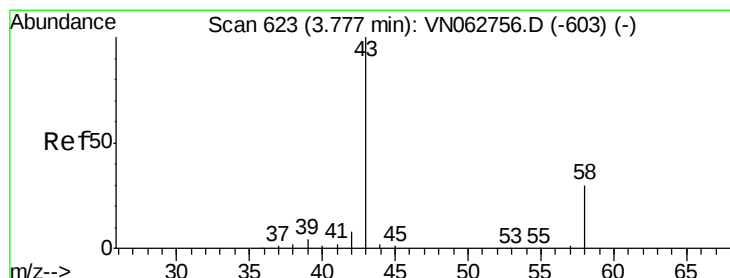
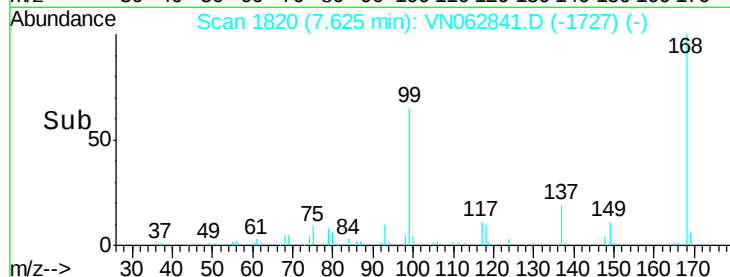
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 19.182 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062841.D

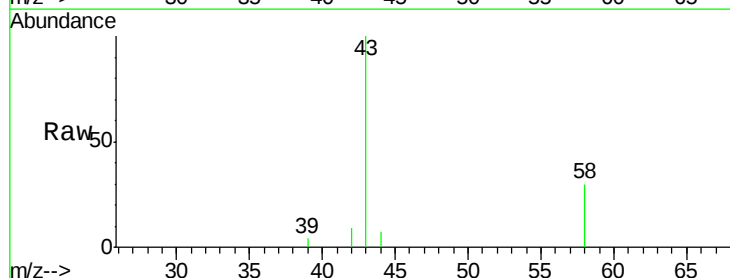
Acq: 11 Aug 2020 19:57

Tgt Ion: 43 Resp: 13836

Ion Ratio Lower Upper

43 100

58 30.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062841.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062841.D (-530) (-)

3.78

6000

5000

4000

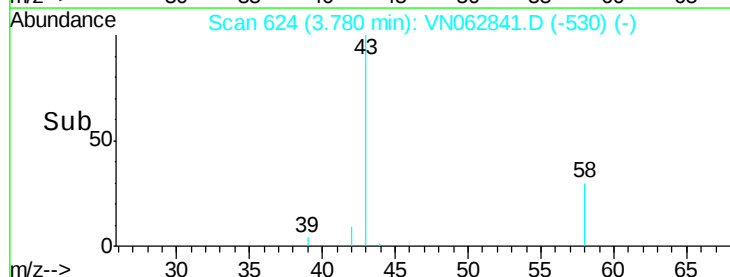
3000

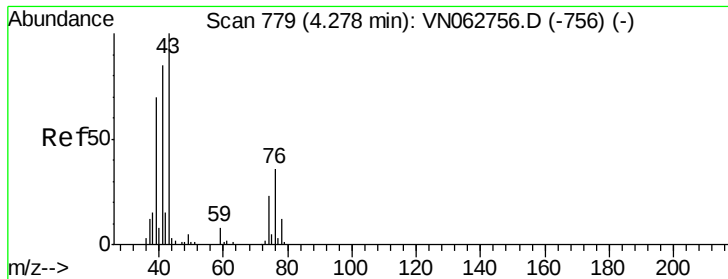
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

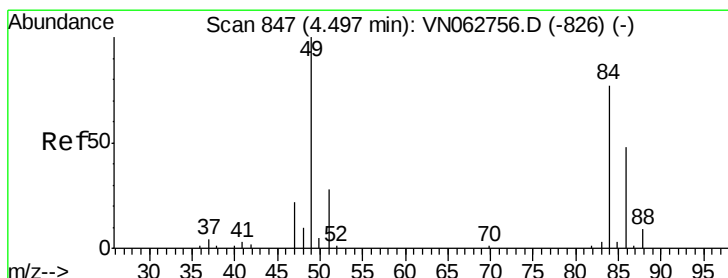
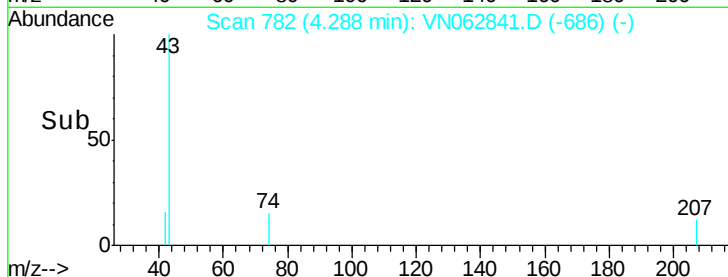
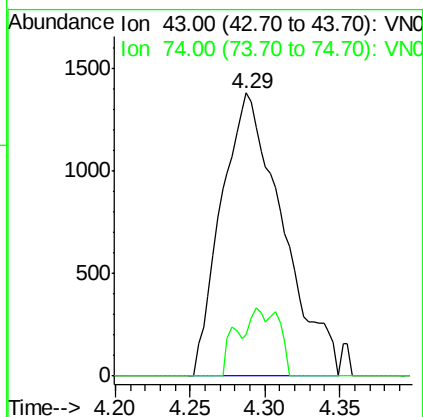
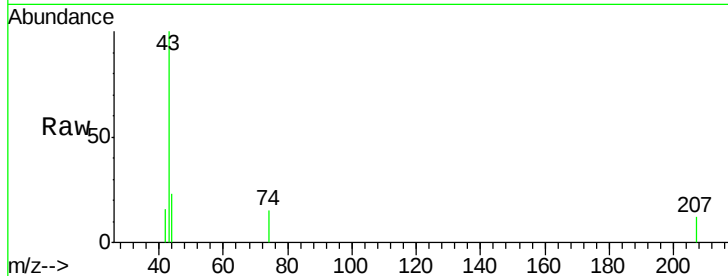




#18
Methyl Acetate
Concen: 1.196 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

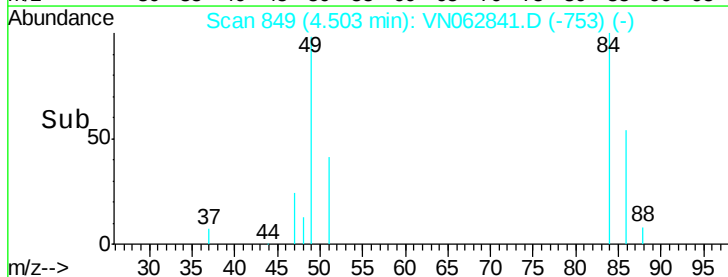
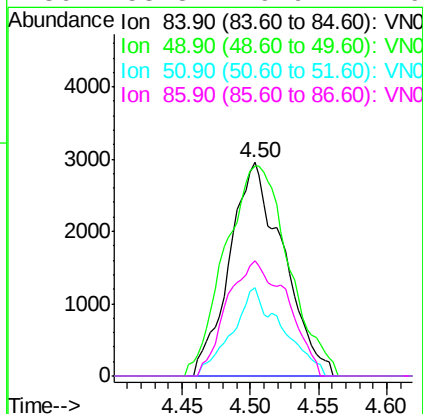
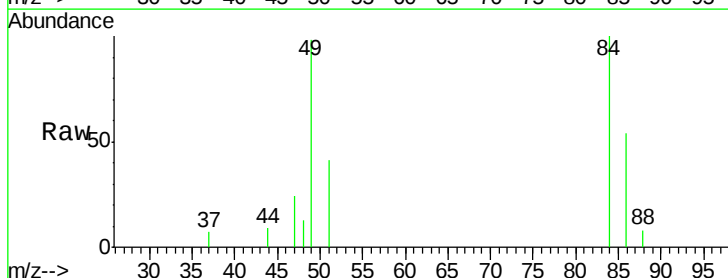
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#03

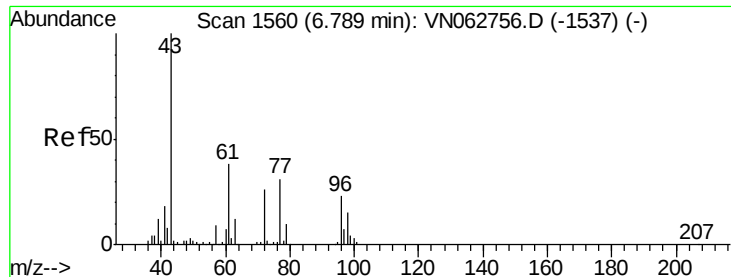
Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
74 3.0 18.6 28.0#



#20
Methylene Chloride
Concen: 5.454 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

Tgt Ion: 84 Resp: 8094
Ion Ratio Lower Upper
84 100
49 98.1 103.4 155.2#
51 41.3 29.3 43.9
86 53.8 49.9 74.9

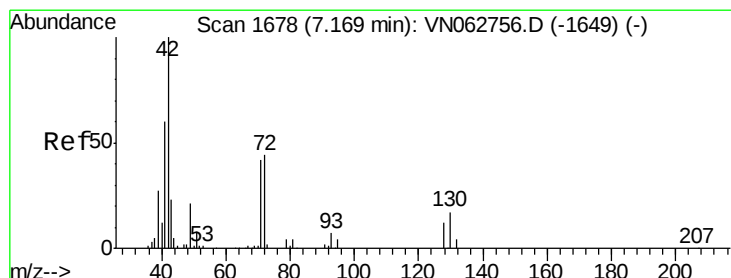
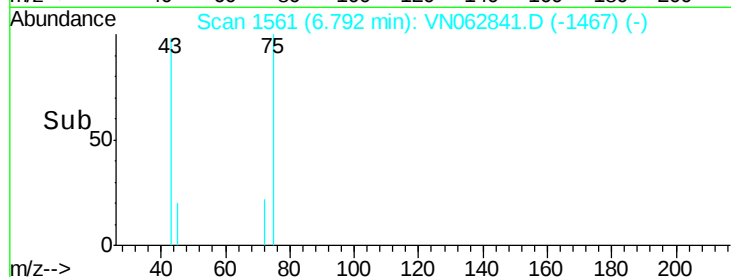
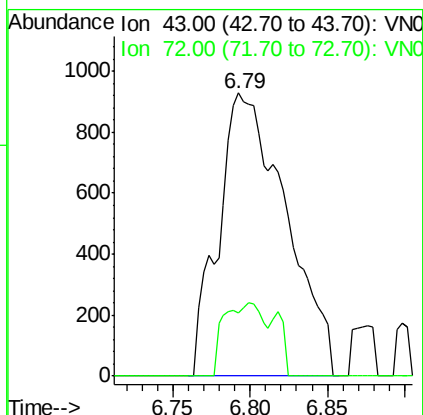
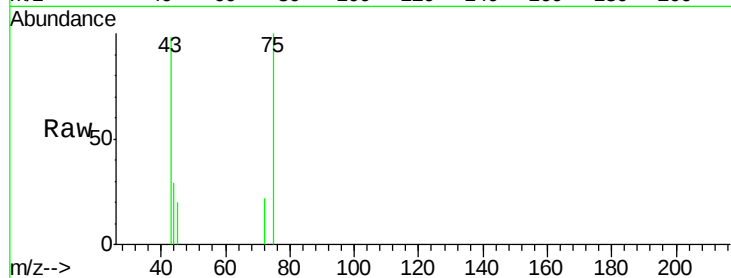




#25
2-Butanone
Concen: 2.740 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

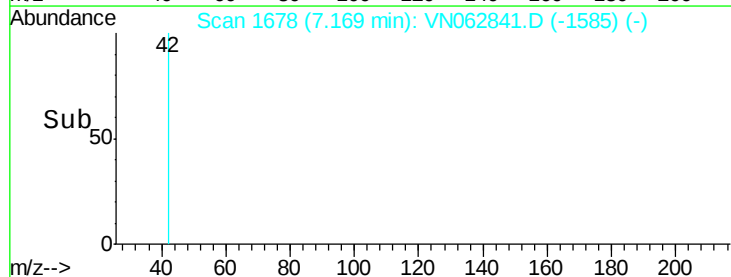
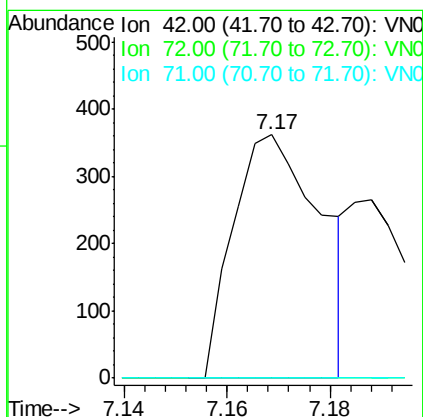
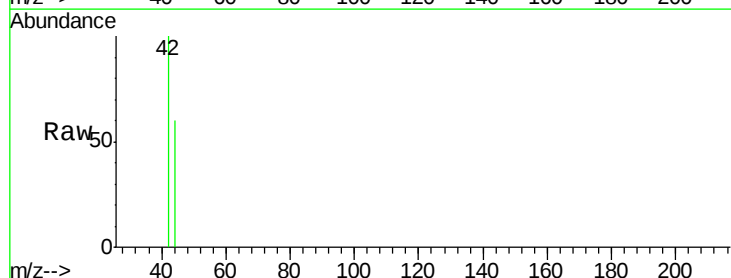
Instrument :
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PB130874ZHE#03

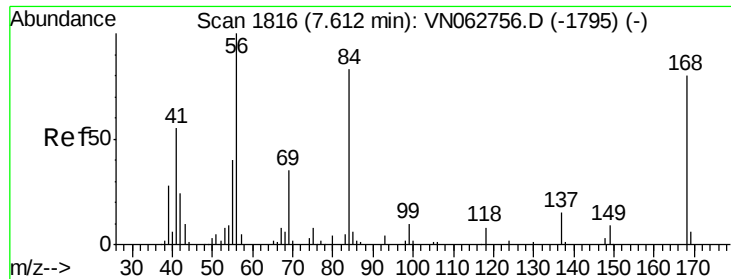
Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
72 22.4 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.639 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

Tgt Ion: 42 Resp: 424
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#

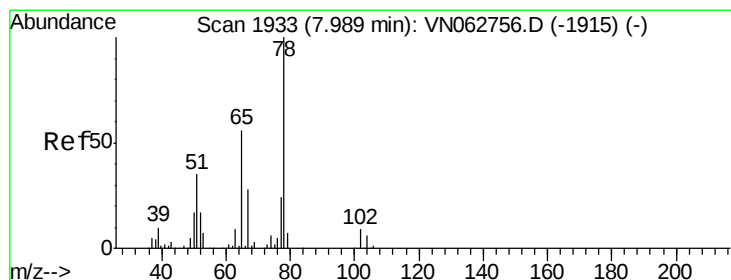
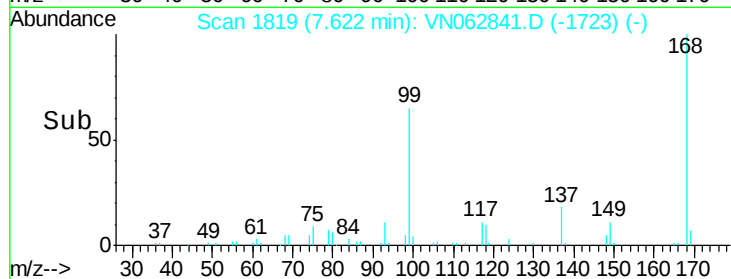
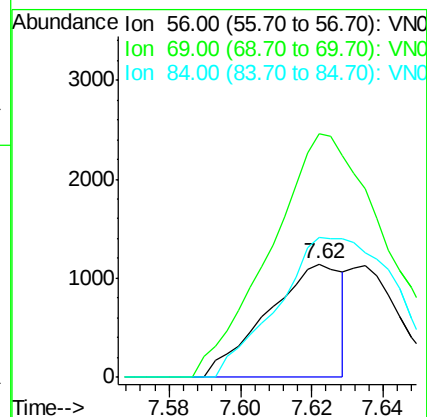
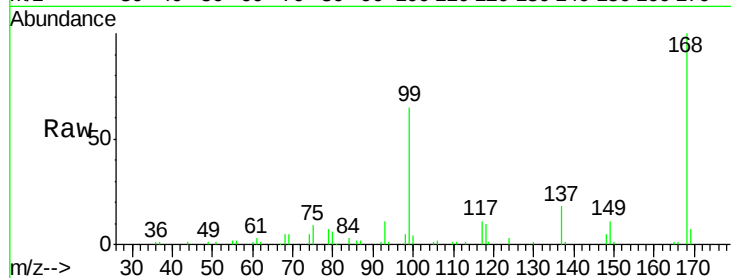




#31
Cyclohexane
Concen: 0.687 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

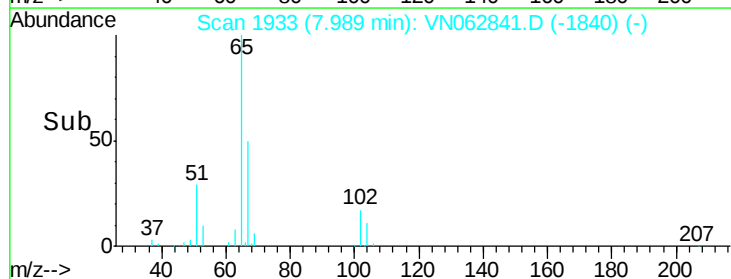
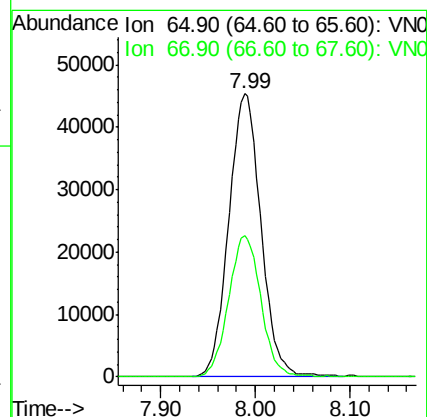
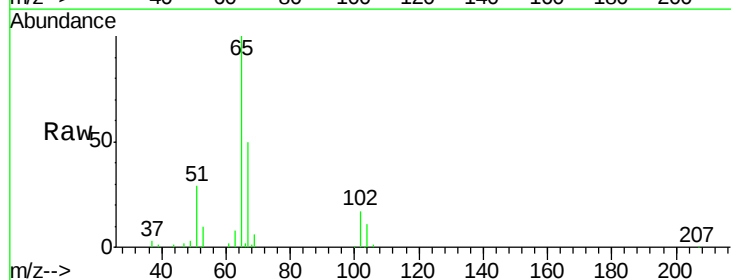
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#03

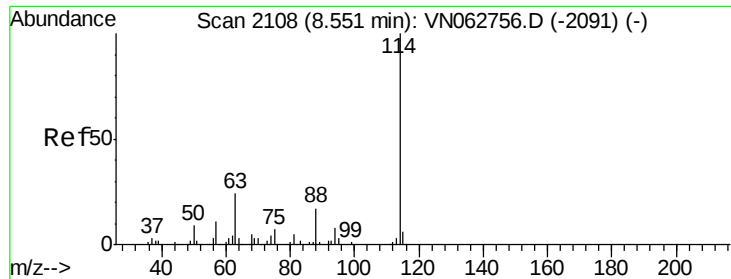
Tgt Ion: 56 Resp: 1662
Ion Ratio Lower Upper
56 100
69 215.2 28.1 42.1#
84 124.2 66.8 100.2#



#33
1,2-Dichloroethane-d4
Concen: 53.752 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

Tgt Ion: 65 Resp: 107299
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.4

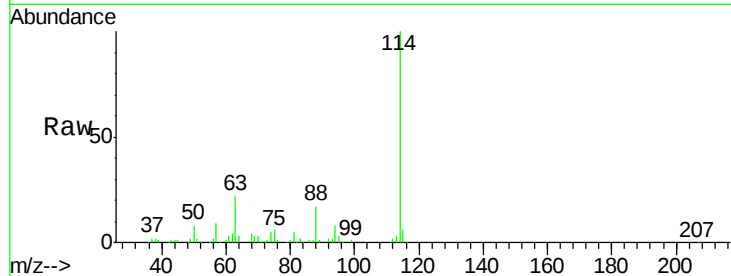




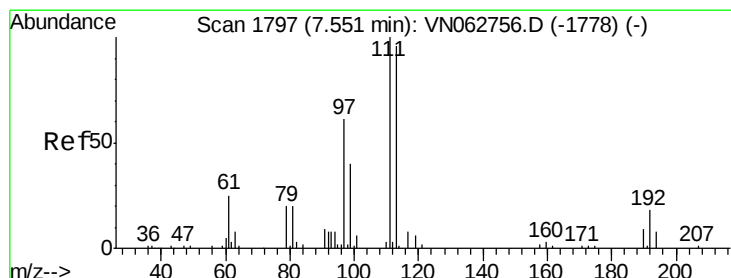
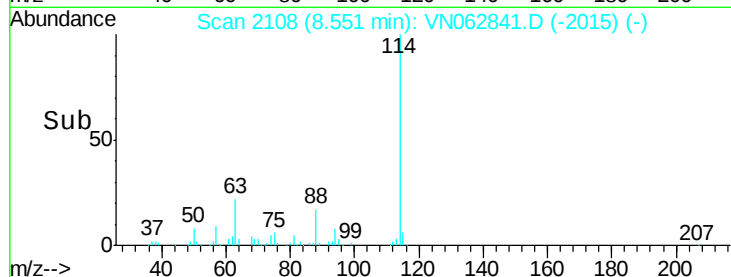
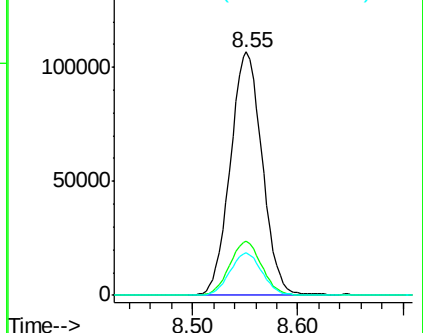
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	17.5	0.0	34.4

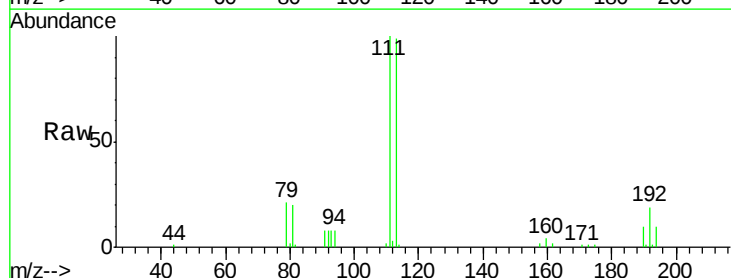


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

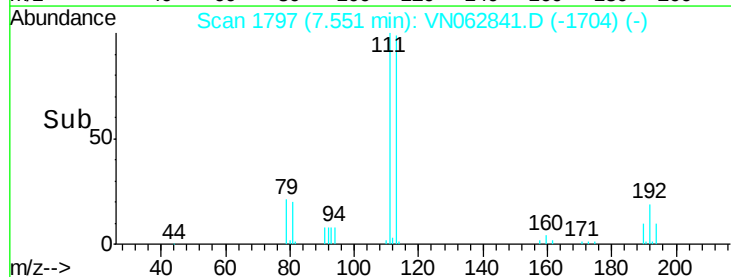
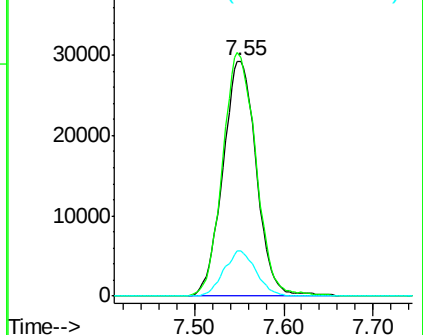


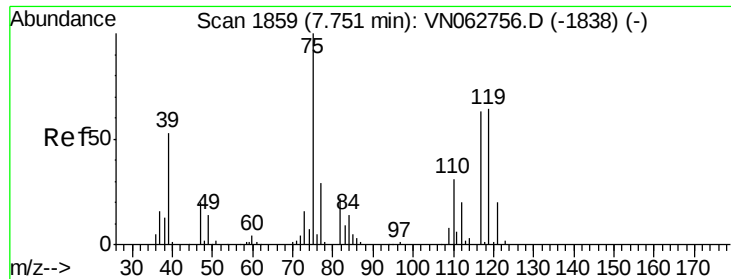
#35
 Dibromofluoromethane
 Concen: 49.714 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	18.3	15.0	22.4



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

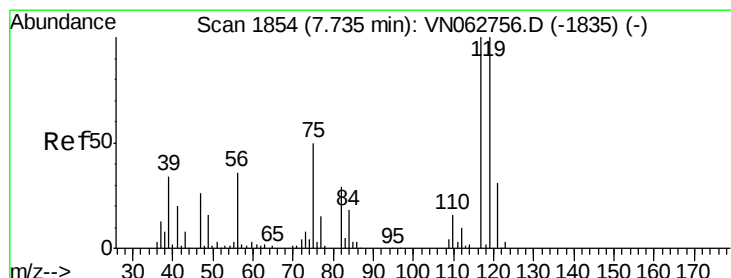
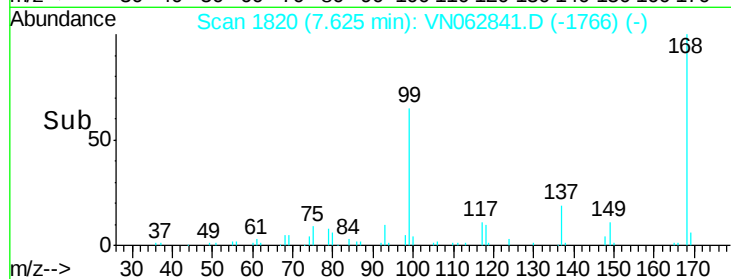
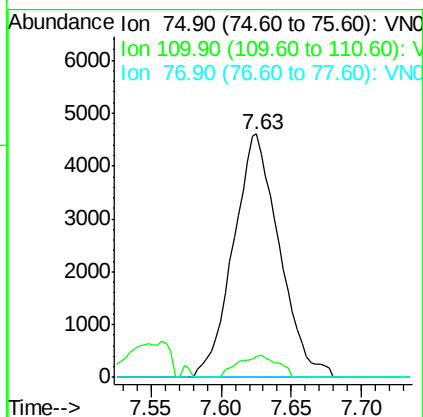
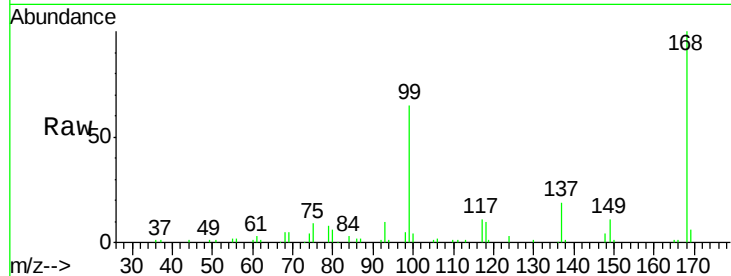




#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

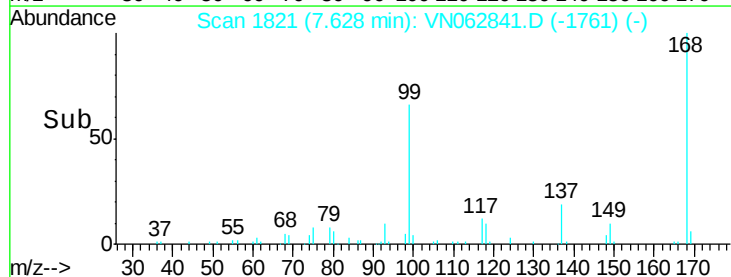
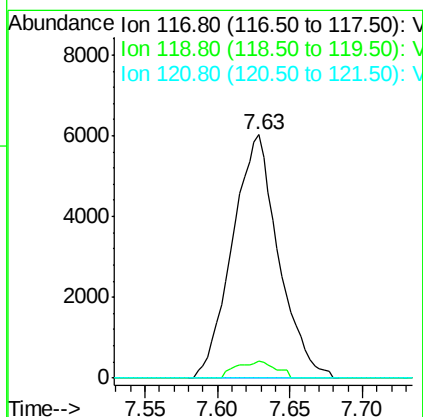
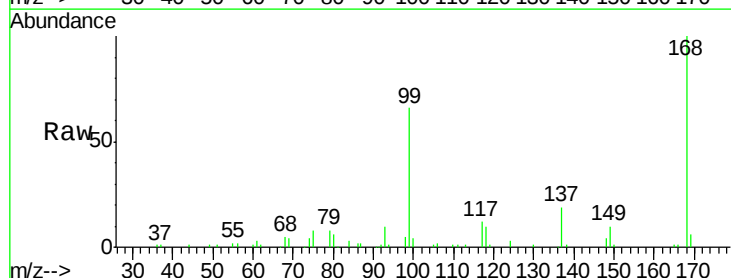
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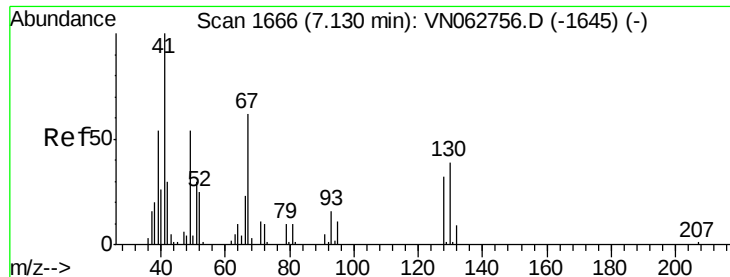
Tgt Ion: 75 Resp: 10489
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.157 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Tgt Ion: 117 Resp: 13305
 Ion Ratio Lower Upper
 117 100
 119 6.9 79.4 119.2#
 121 0.0 24.9 37.3#

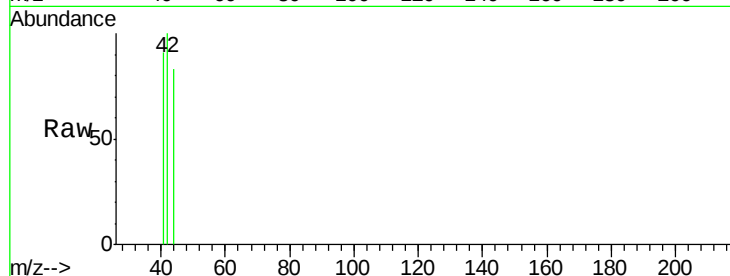




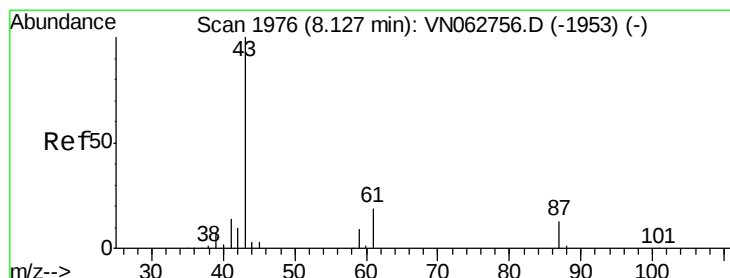
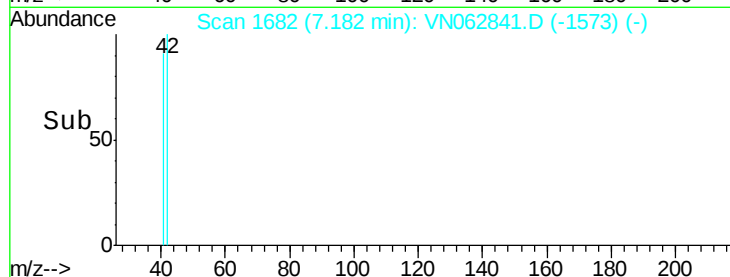
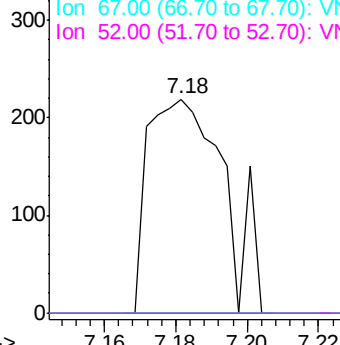
#41
Methacrylonitrile
Concen: 0.315 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.05 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#03

Tgt Ion:	41	Resp:	324
Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

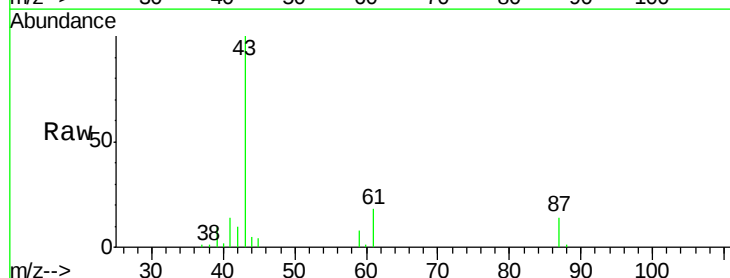


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

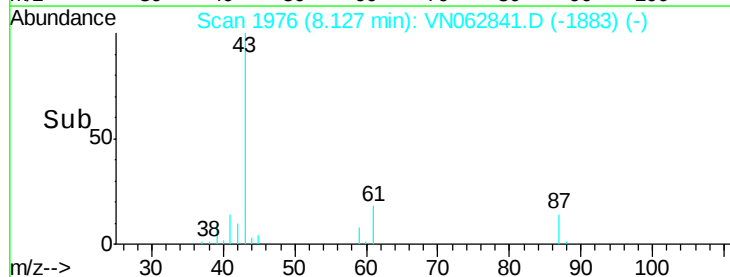
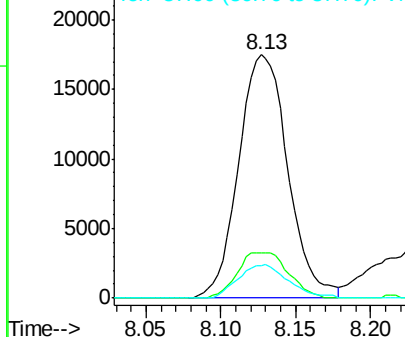


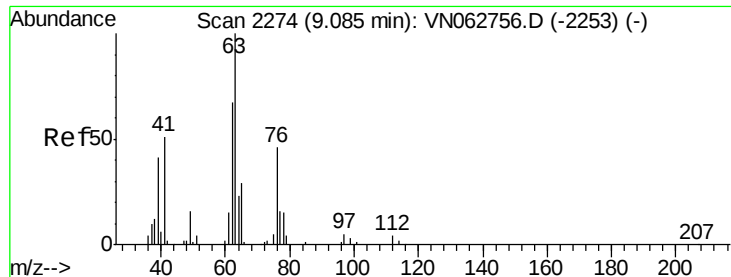
#43
Isopropyl Acetate
Concen: 10.533 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

Tgt Ion:	43	Resp:	40036
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.8	23.6
87	13.8	9.9	14.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.557 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

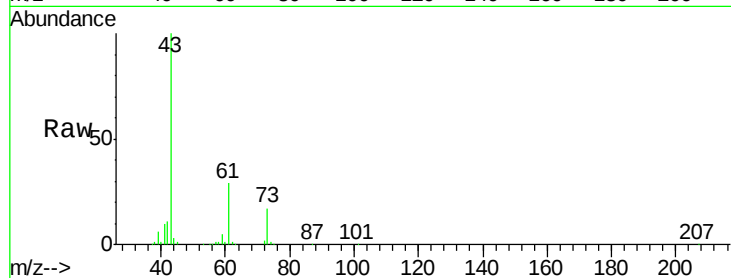
PB130874ZHE#03

Tgt Ion: 63 Resp: 981

Ion Ratio Lower Upper

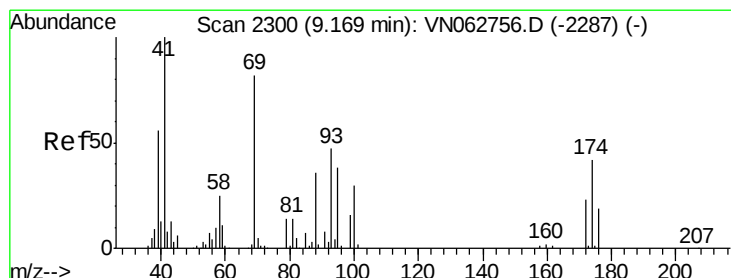
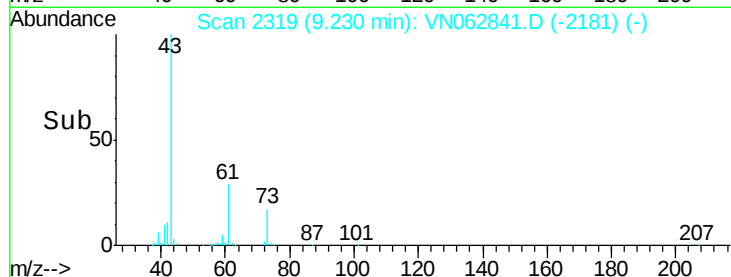
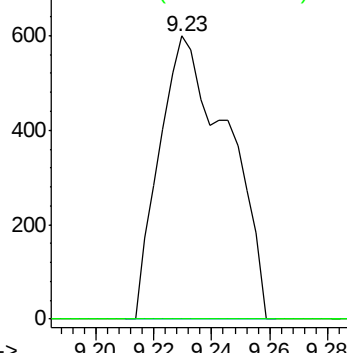
63 100

65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.278 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.03 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

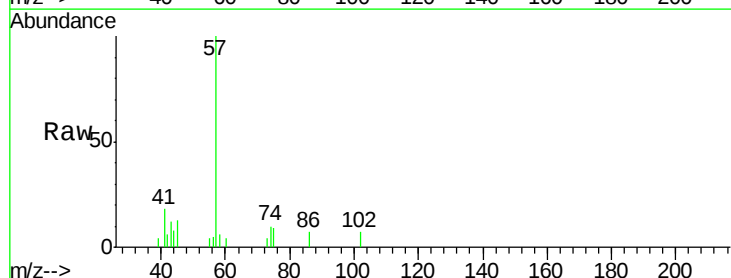
Tgt Ion: 41 Resp: 2389

Ion Ratio Lower Upper

41 100

69 0.0 67.4 101.2#

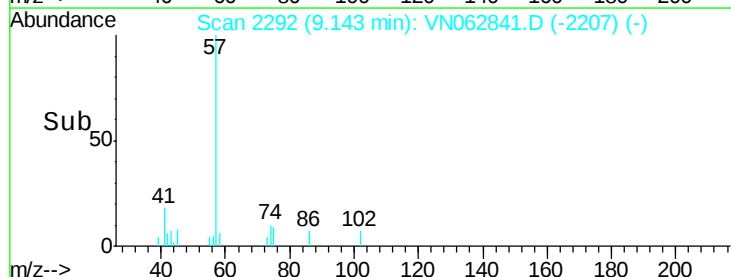
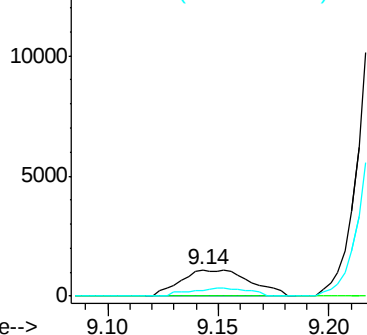
39 0.0 47.6 71.4#

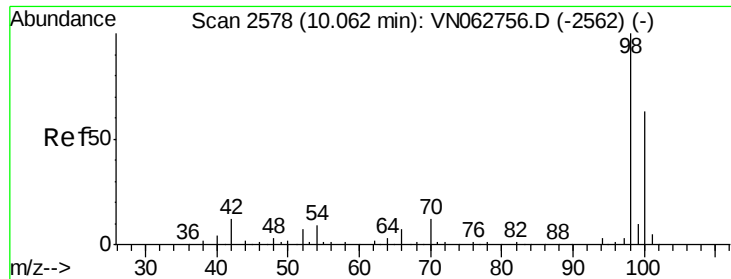


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 49.198 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

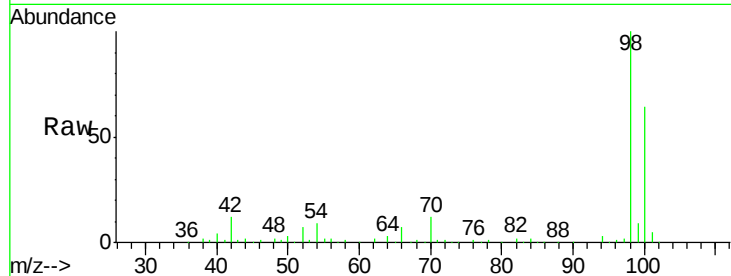
PB130874ZHE#03

Tgt Ion: 98 Resp: 294355

Ion Ratio Lower Upper

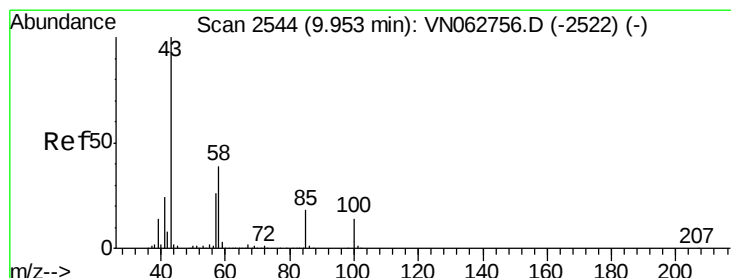
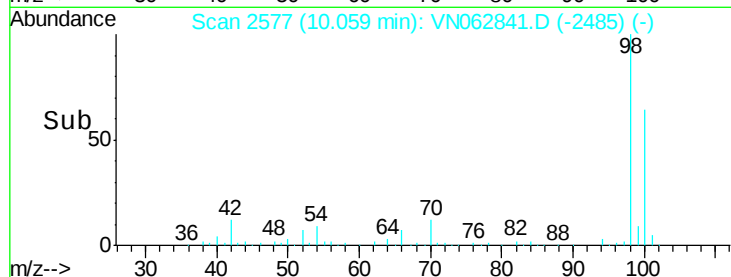
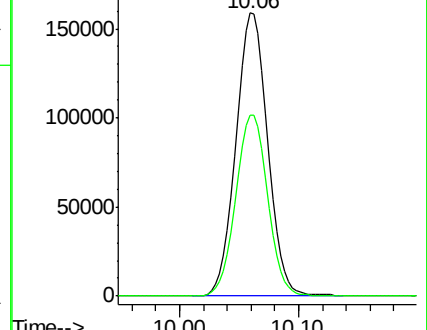
98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.023 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062841.D

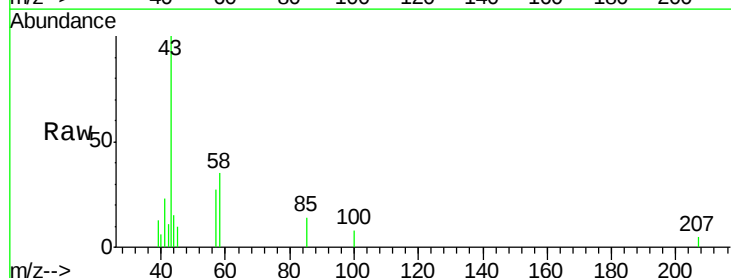
Acq: 11 Aug 2020 19:57

Tgt Ion: 43 Resp: 4975

Ion Ratio Lower Upper

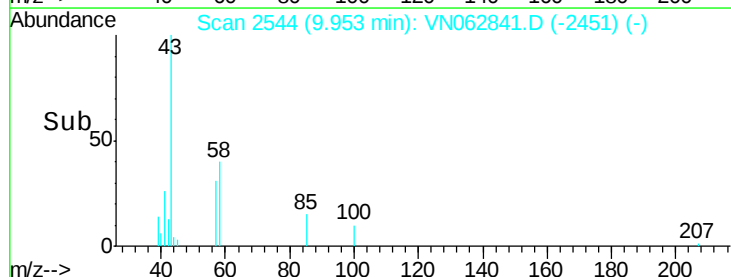
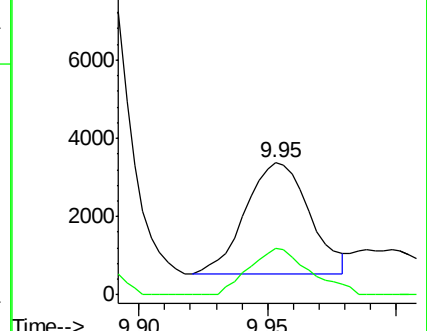
43 100

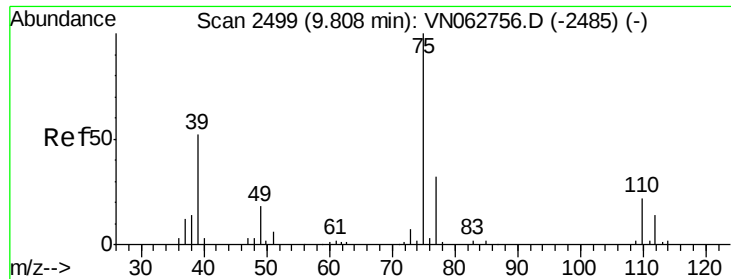
58 39.3 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)

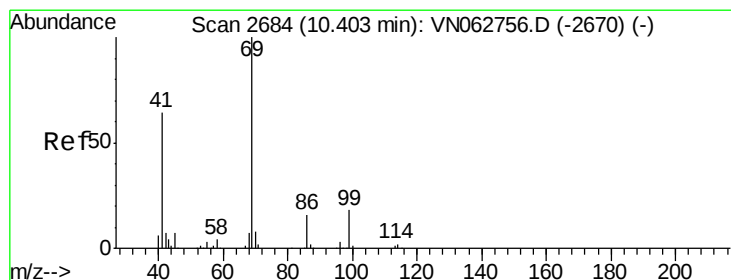
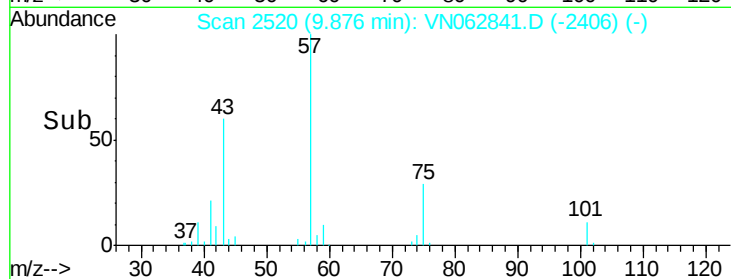
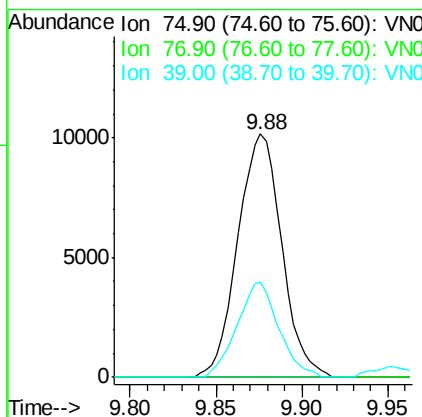
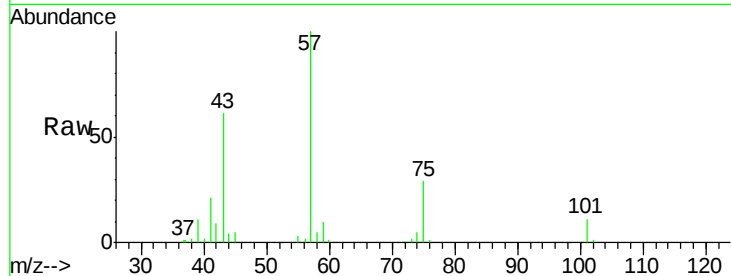




#54
 cis-1,3-Dichloropropene
 Concen: 6.309 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

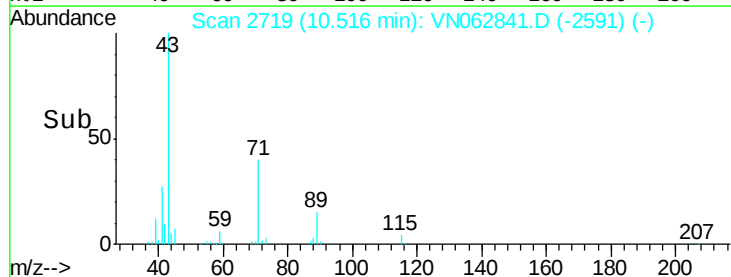
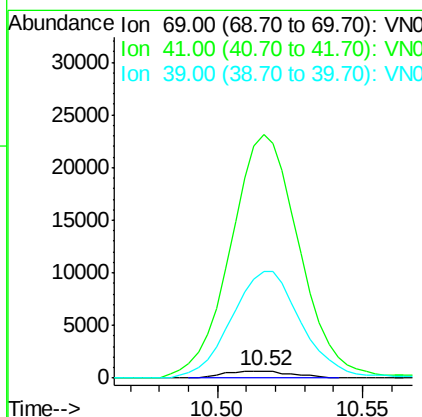
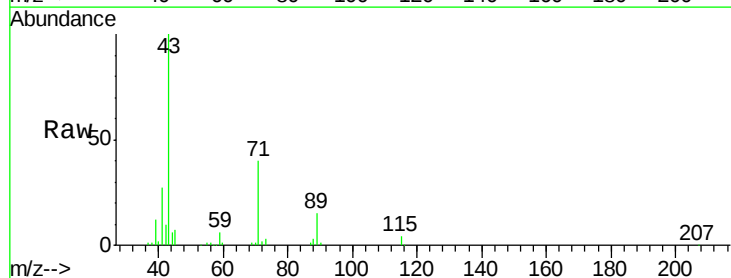
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#03

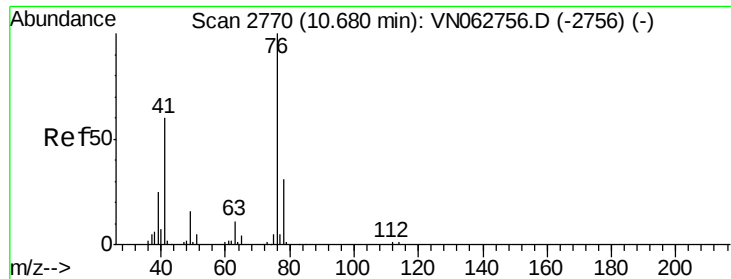
Tgt Ion: 75 Resp: 18063
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 39.0 41.9 62.9#



#56
 Ethyl methacrylate
 Concen: 0.426 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.11 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Tgt Ion: 69 Resp: 1100
 Ion Ratio Lower Upper
 69 100
 41 3458.3 52.2 78.2#
 39 1553.5 30.9 46.3#

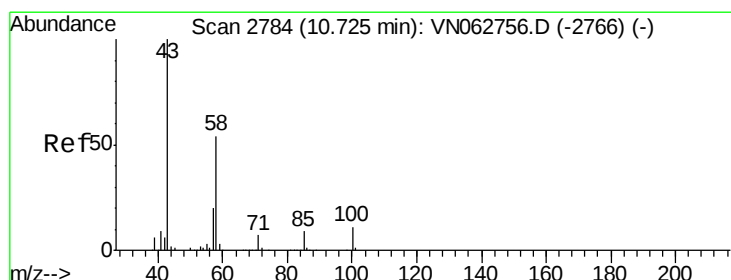
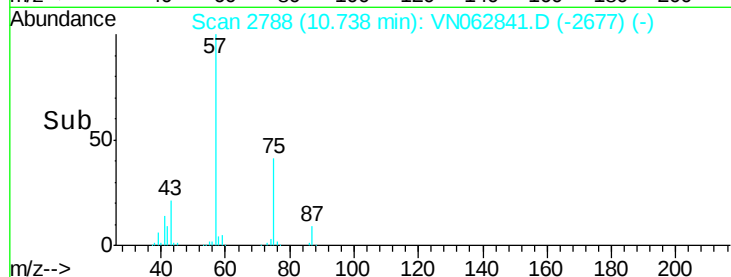
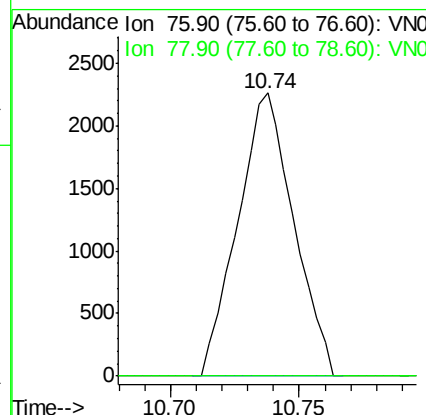
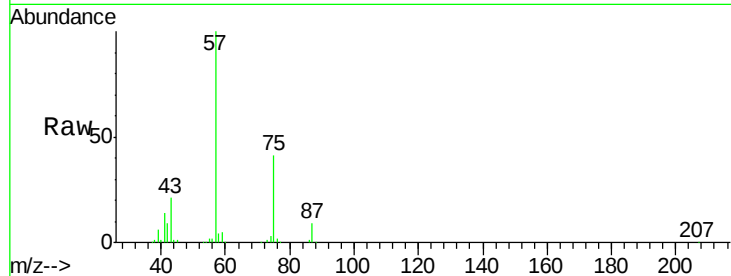




#57
 1,3-Dichloropropane
 Concen: 1.172 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

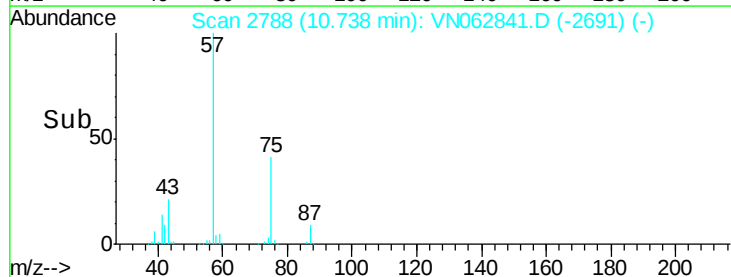
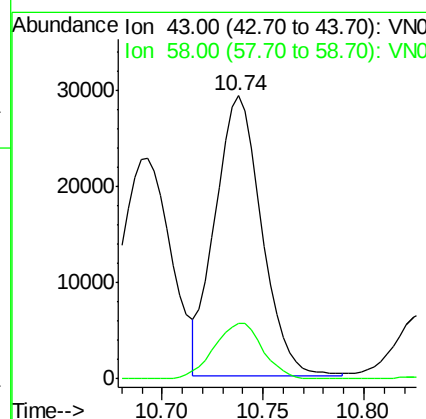
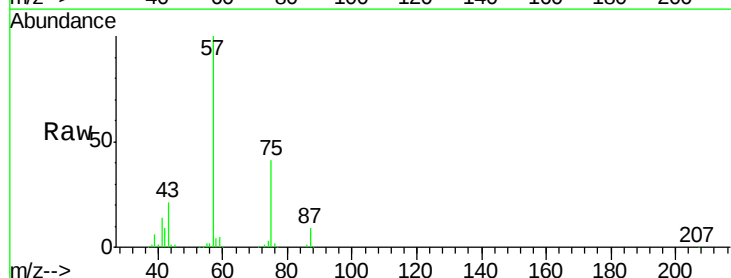
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#03

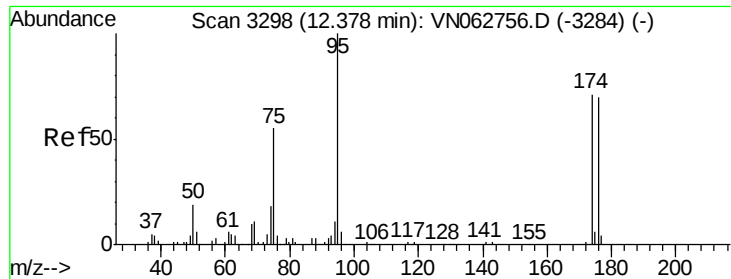
Tgt Ion: 76 Resp: 3419
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 25.344 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Tgt Ion: 43 Resp: 46491
 Ion Ratio Lower Upper
 43 100
 58 20.8 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 47.618 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#03

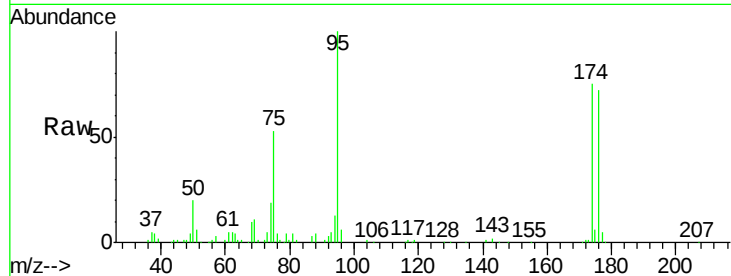
Tgt Ion: 95 Resp: 107665

Ion Ratio Lower Upper

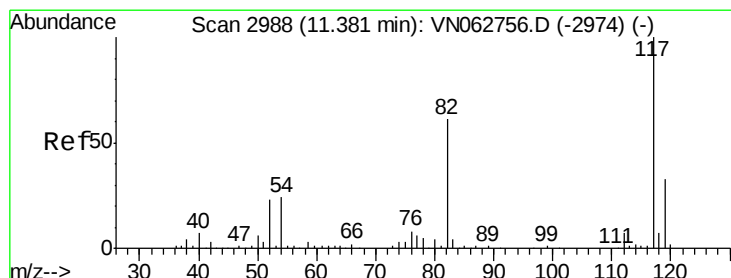
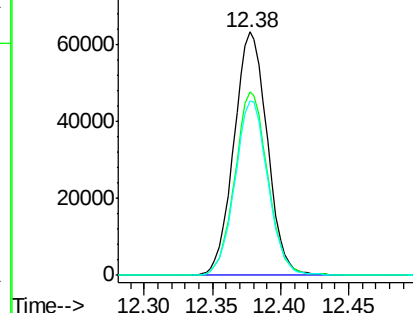
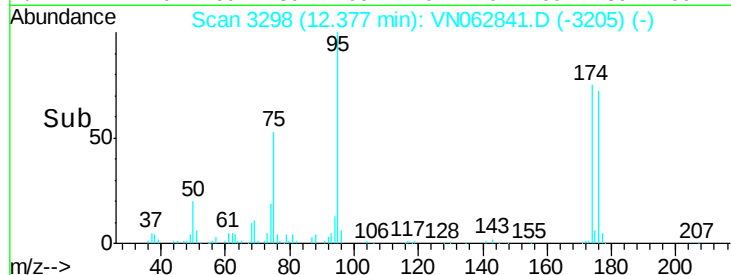
95 100

174 74.1 0.0 144.8

176 70.8 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062841.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

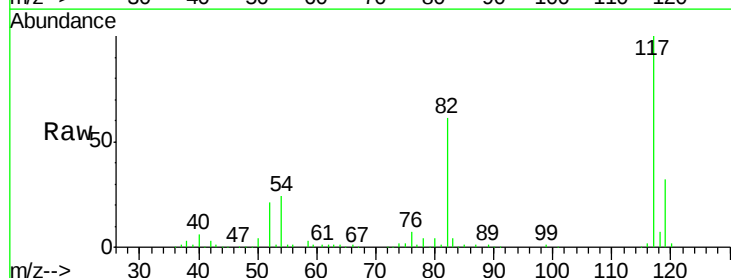
Tgt Ion: 117 Resp: 229326

Ion Ratio Lower Upper

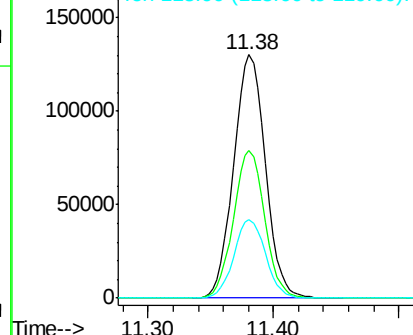
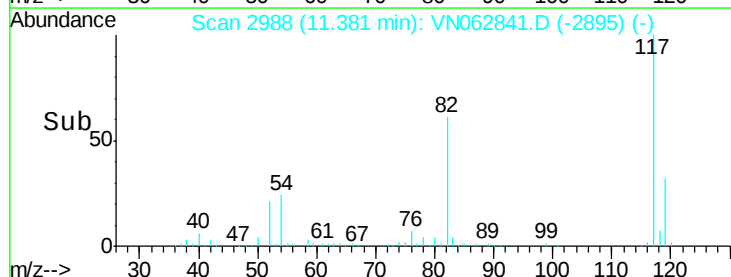
117 100

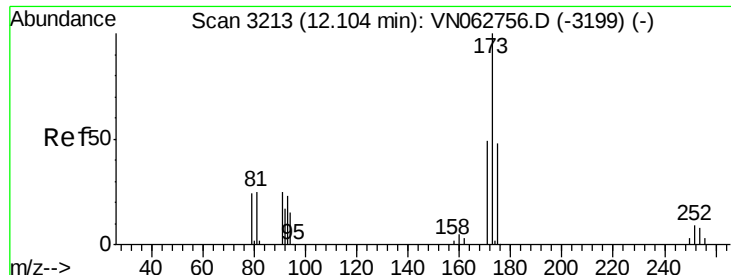
82 60.6 49.0 73.4

119 32.1 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062841.D (-2895) (-)





#71

Bromoform

Concen: 0.654 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062841.D

Acq: 11 Aug 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#03

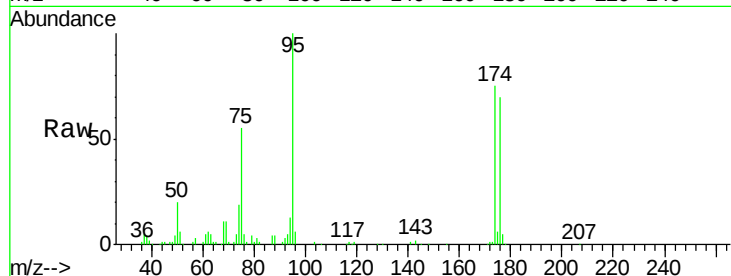
Tgt Ion:173 Resp: 1030

Ion Ratio Lower Upper

173 100

175 528.2 24.0 72.0#

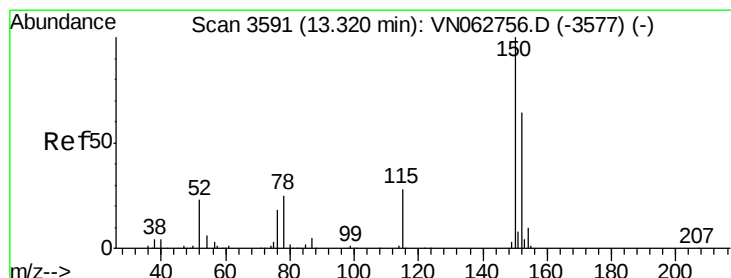
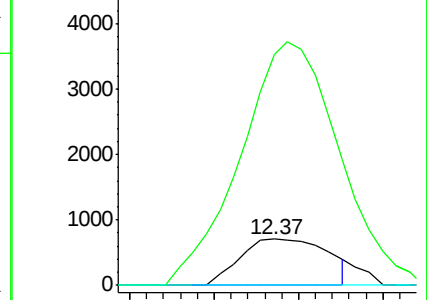
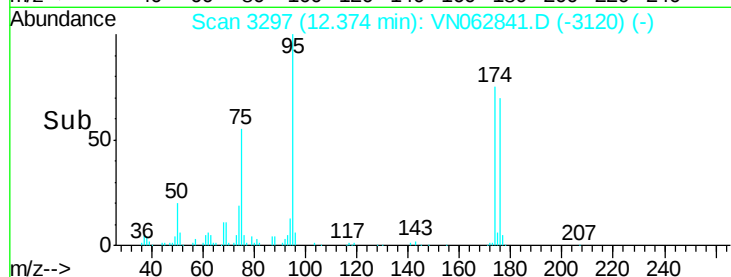
254 0.0 0.0 0.0



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: VN062841.D

Acq: 11 Aug 2020 19:57

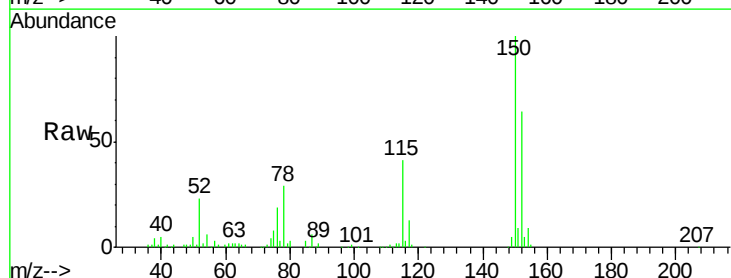
Tgt Ion:152 Resp: 83986

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

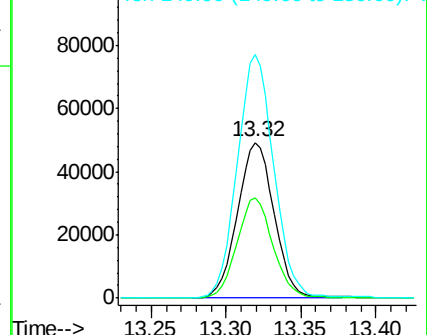
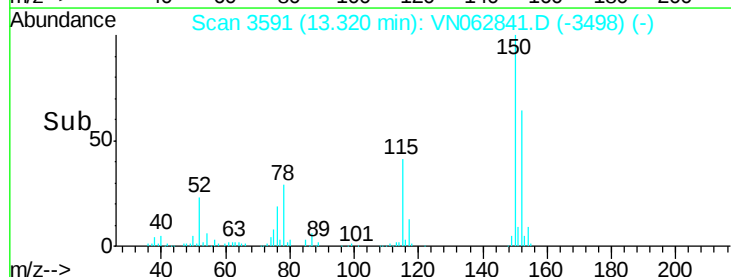
150 155.9 0.0 349.2

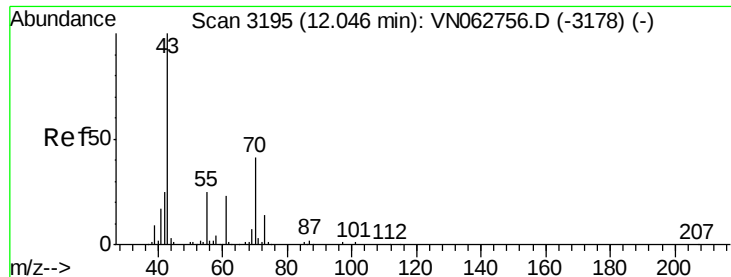


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

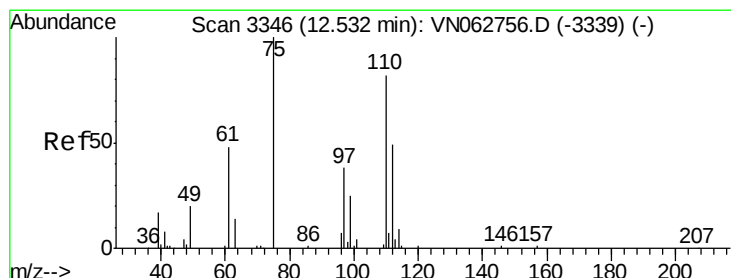
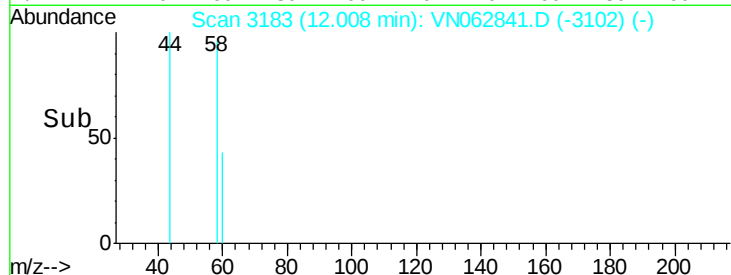
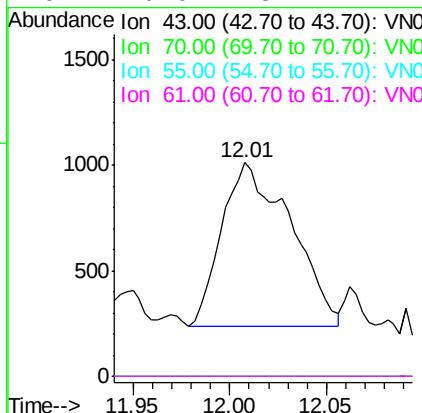
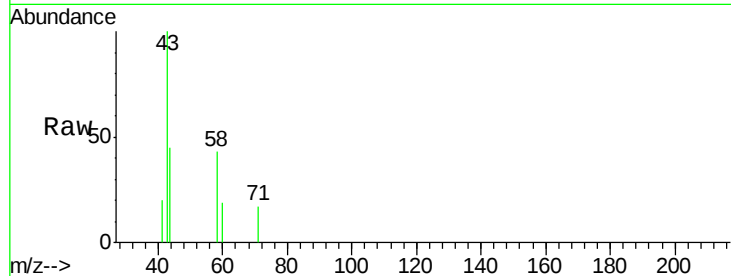




#74
N-ethyl acetate
Concen: 0.754 ug/l
RT: 12.01 min Scan# 3183
Delta R.T. -0.04 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

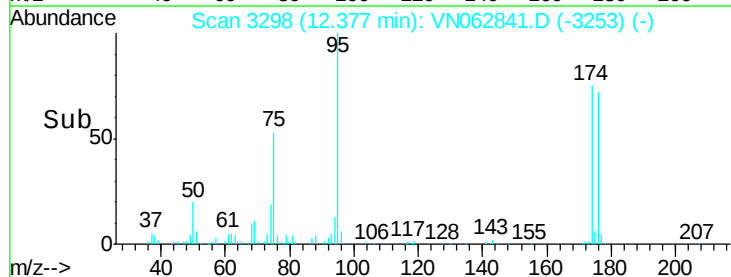
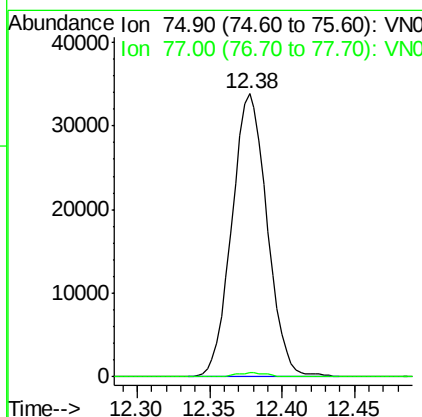
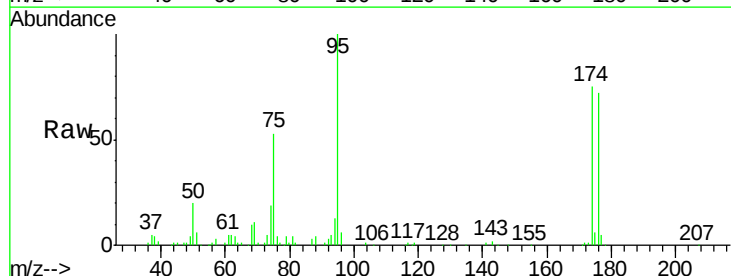
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#03

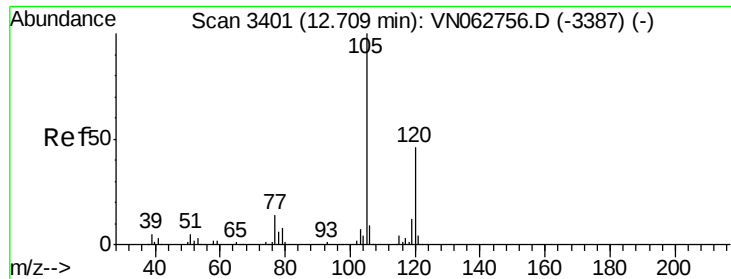
Tgt Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 20.2 30.2#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 25.264 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062841.D
Acq: 11 Aug 2020 19:57

Tgt Ion: 75 Resp: 57223
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

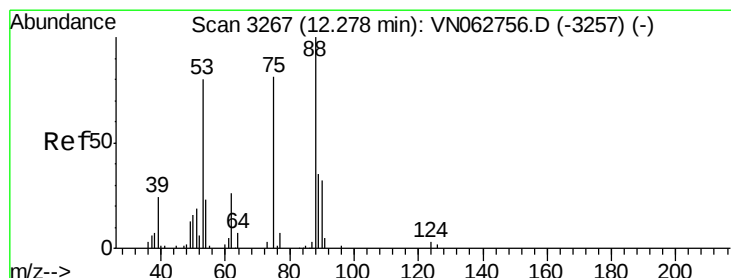
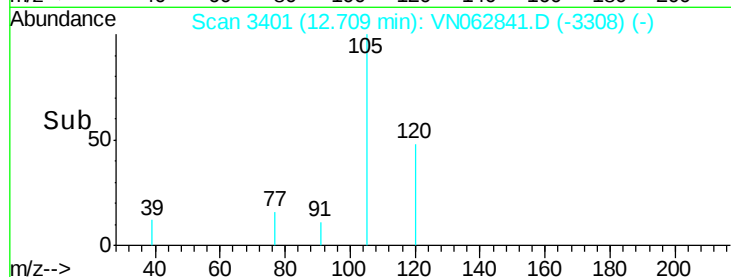
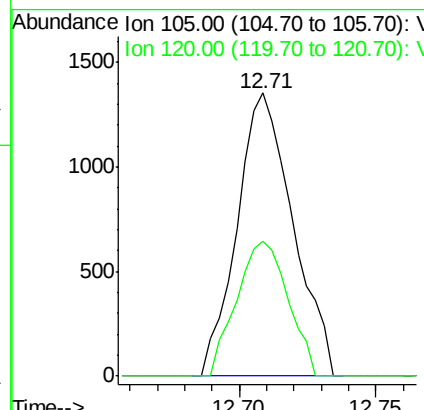
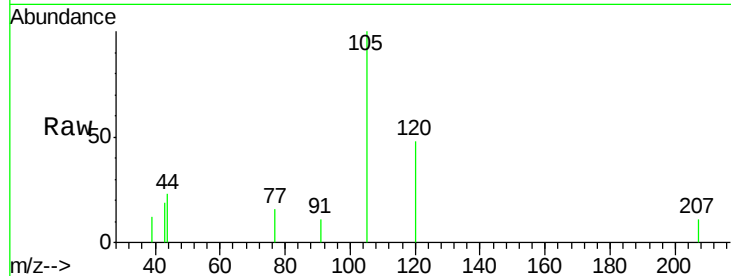




#80
 1,3,5-Trimethylbenzene
 Concen: 0.350 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#03

Tgt Ion:105 Resp: 1922
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.9 68.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.124 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062841.D
 Acq: 11 Aug 2020 19:57

Tgt Ion: 75 Resp: 57223
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

