

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062842.D
 Acq On : 11 Aug 2020 20:21
 Operator : JC/MD
 Sample : PB130874ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#04

Quant Time: Aug 11 21:24:17 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	123840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	225573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	230256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84591	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	104210	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.55	113	74276	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.06	98	295927	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.38	95	107802	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

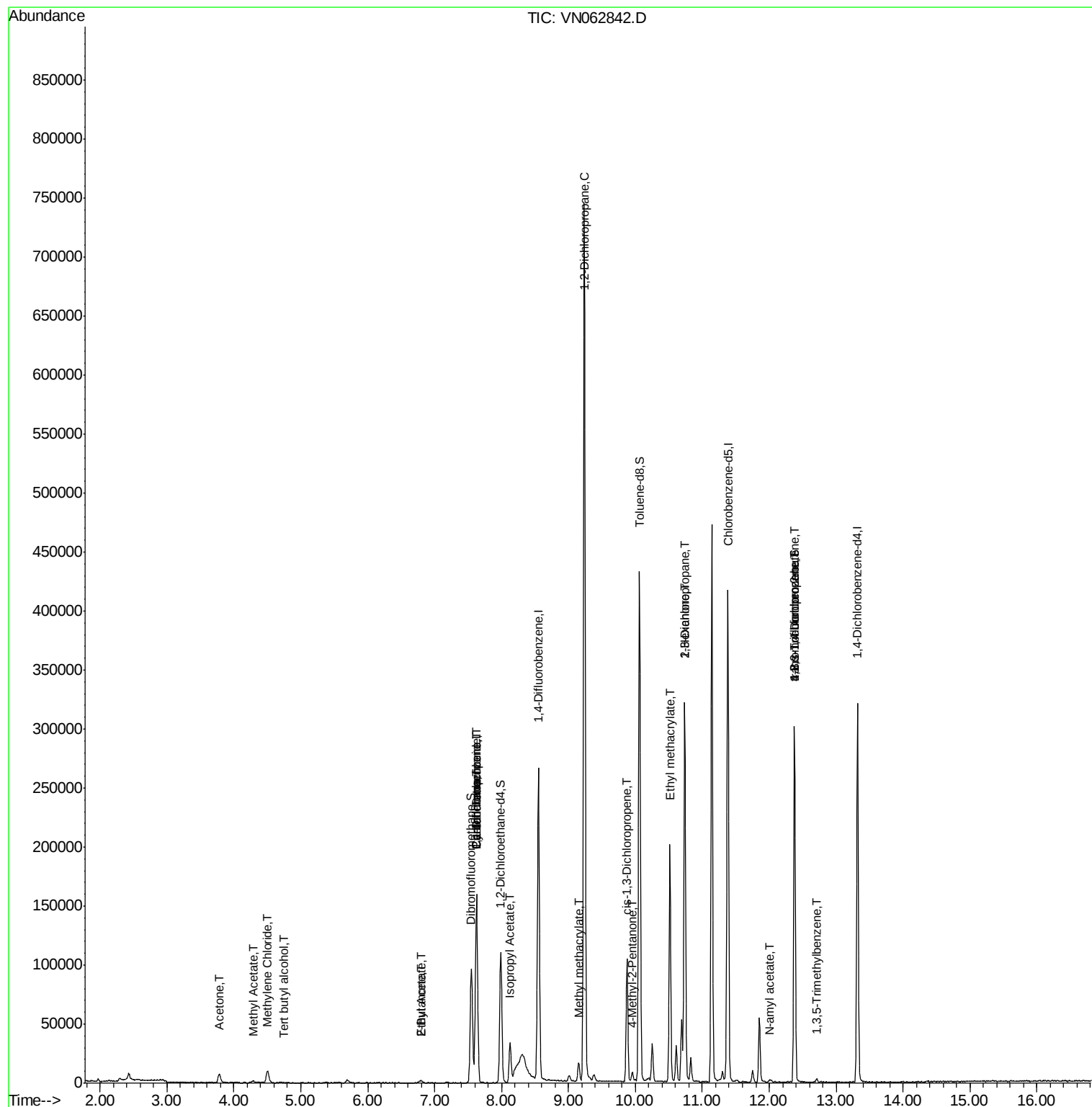
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	142	0.423	ug/l #	72
16) Acetone	3.78	43	13551	18.312	ug/l	92
18) Methyl Acetate	4.30	43	4243	1.325	ug/l #	58
20) Methylene Chloride	4.50	84	7891	5.145	ug/l	92
25) 2-Butanone	6.81	43	2400	2.290	ug/l	99
31) Cyclohexane	7.62	56	2766	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9747	4.438	ug/l #	52
37) Ethyl Acetate	6.81	43	2400	1.046	ug/l #	67
38) Carbon Tetrachloride	7.62	117	12682	4.882	ug/l #	15
43) Isopropyl Acetate	8.13	43	39620	10.353	ug/l	98
45) 1,2-Dichloropropane	9.24	63	778	0.439	ug/l #	45
48) Methyl methacrylate	9.15	41	2426	1.289	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	5083	2.053	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	18548	6.434	ug/l #	63
56) Ethyl methacrylate	10.51	69	1016	0.391	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3182	1.084	ug/l #	43
59) 2-Hexanone	10.74	43	46984	25.438	ug/l #	54
74) N-amyl acetate	12.01	43	1252	0.485	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	59813	26.219	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1978	0.358	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	59813	80.038	ug/l #	10

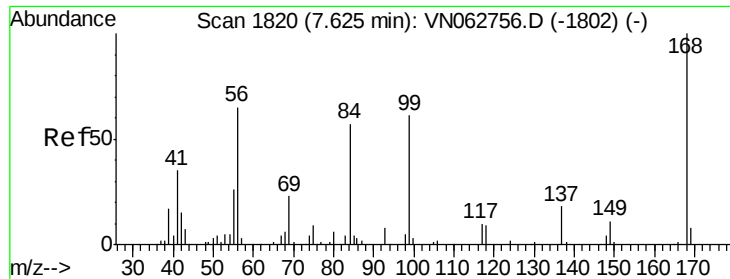
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

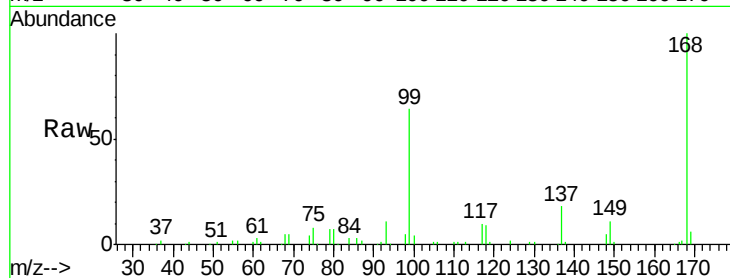
PB130874ZHE#04

Tgt Ion:168 Resp: 123840

Ion Ratio Lower Upper

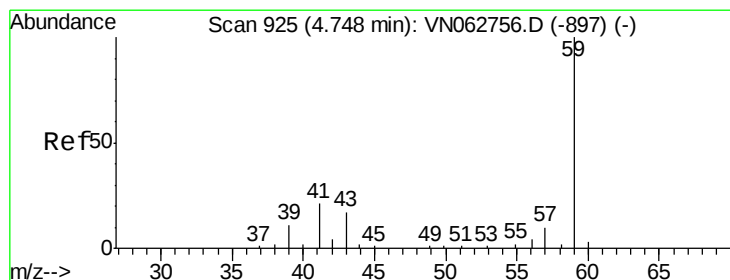
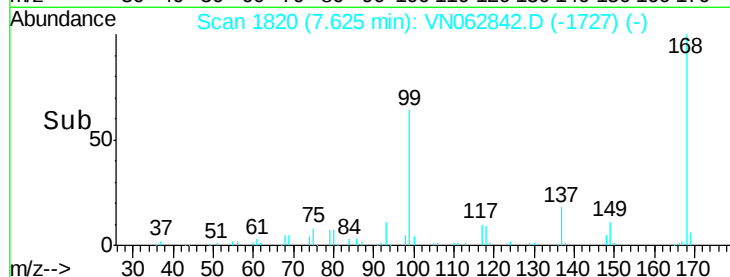
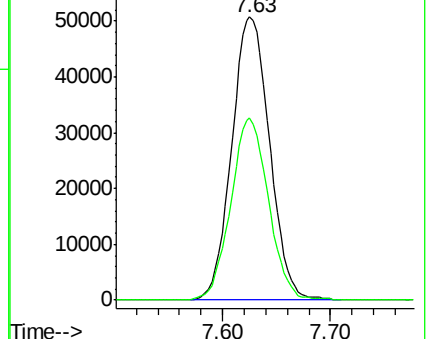
168 100

99 63.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.423 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.00 min

Lab File: VN062842.D

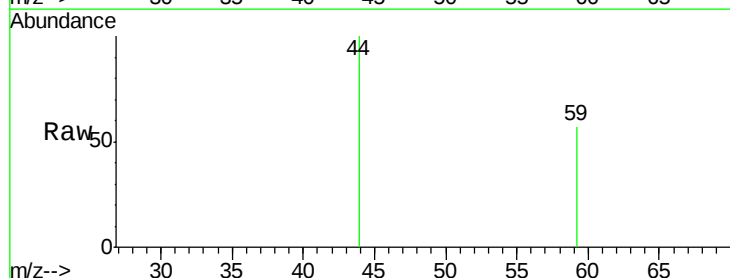
Acq: 11 Aug 2020 20:21

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

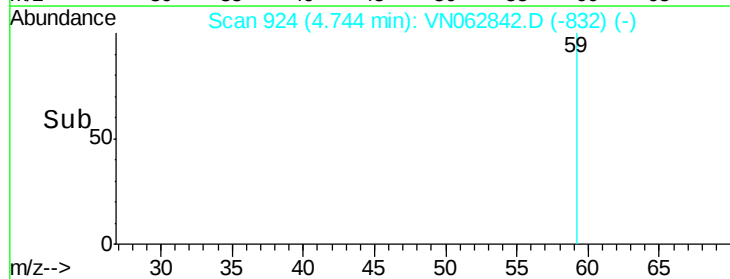
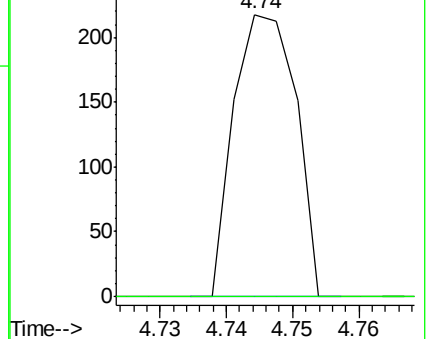
59 100

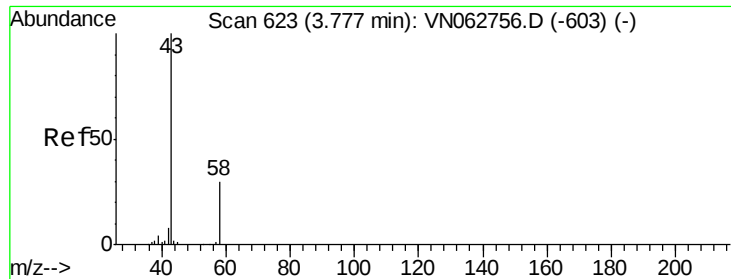
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 18.312 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

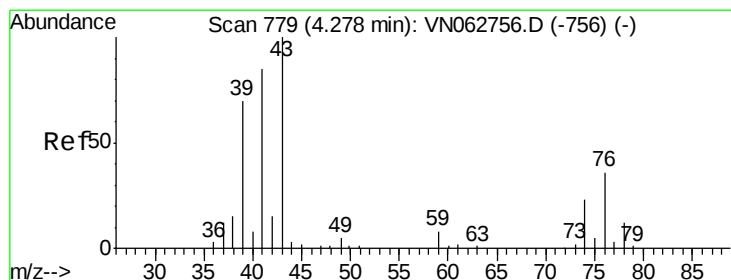
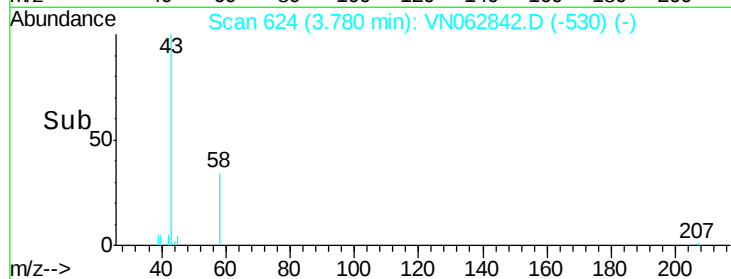
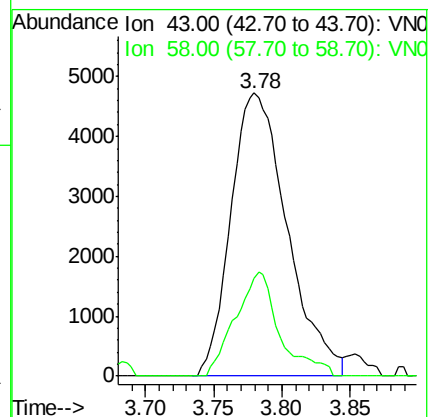
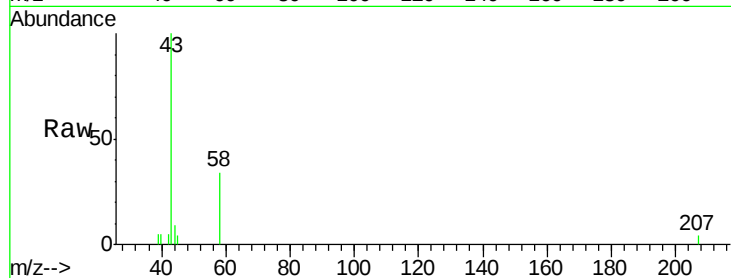
PB130874ZHE#04

Tgt Ion: 43 Resp: 13551

Ion Ratio Lower Upper

43 100

58 34.4 24.1 36.1



#18

Methyl Acetate

Concen: 1.325 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.02 min

Lab File: VN062842.D

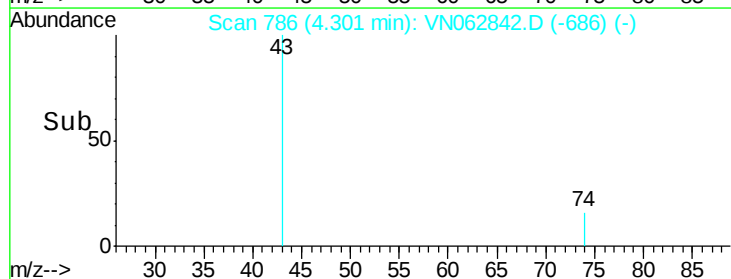
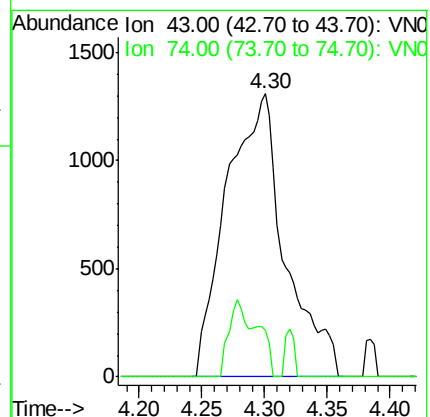
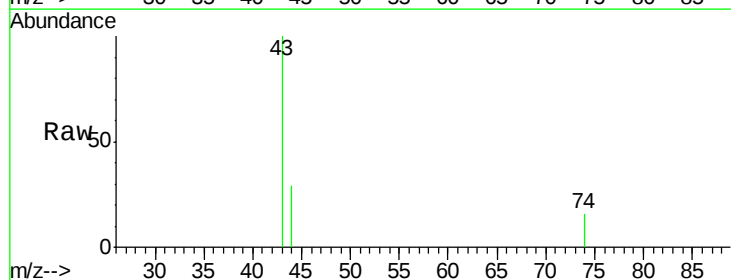
Acq: 11 Aug 2020 20:21

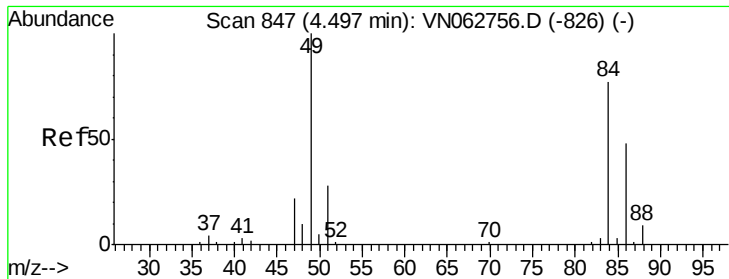
Tgt Ion: 43 Resp: 4243

Ion Ratio Lower Upper

43 100

74 2.7 18.6 28.0#





#20

Methylene Chloride

Concen: 5.145 ug/l

RT: 4.50 min Scan# 847

Delta R.T. 0.00 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#04

Tgt Ion: 84 Resp: 7891

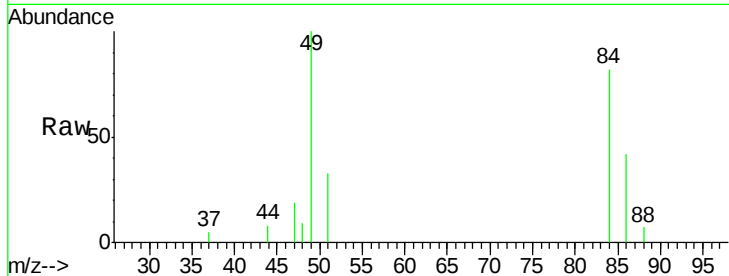
Ion Ratio Lower Upper

84 100

49 122.2 103.4 155.2

51 39.9 29.3 43.9

86 51.0 49.9 74.9

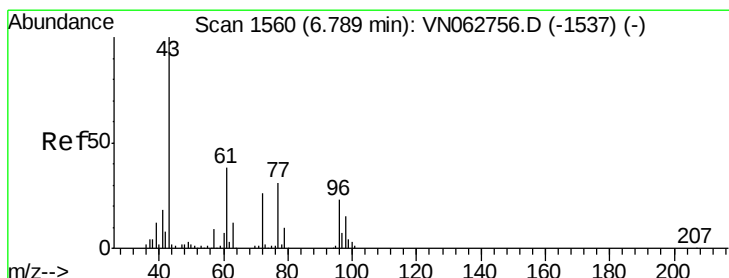
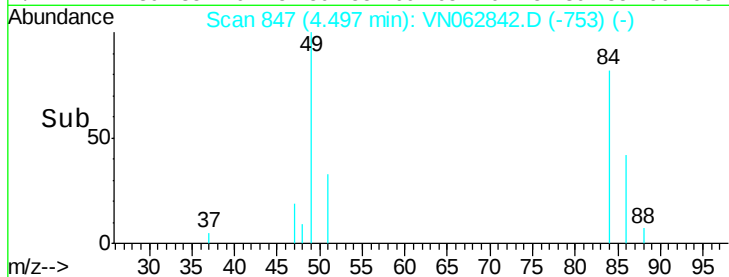
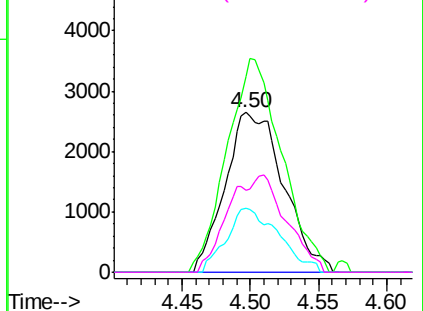


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 2.290 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.02 min

Lab File: VN062842.D

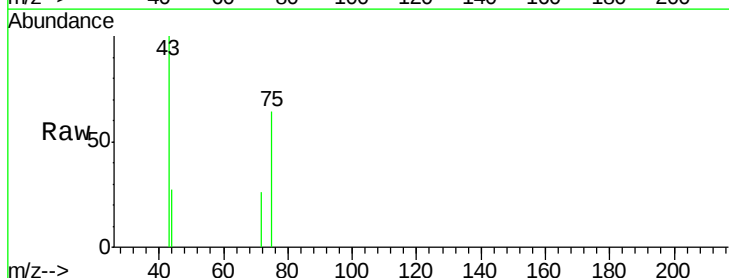
Acq: 11 Aug 2020 20:21

Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

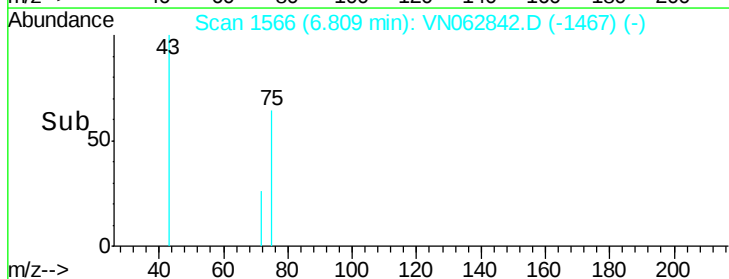
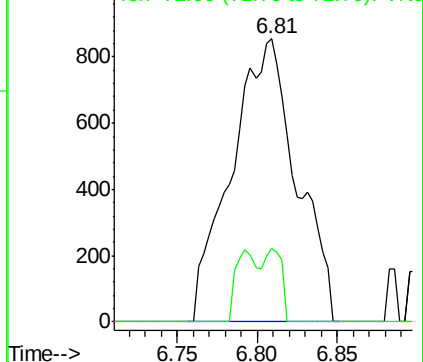
43 100

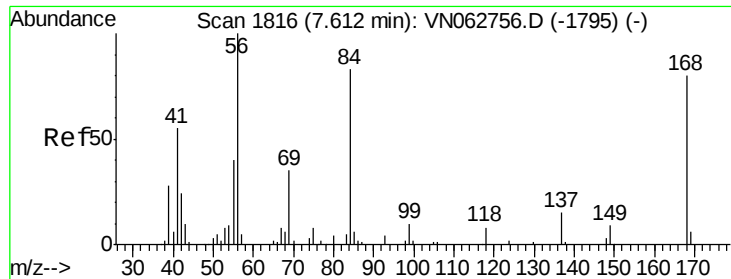
72 26.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

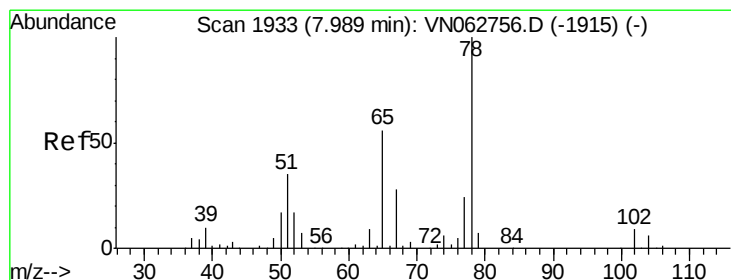
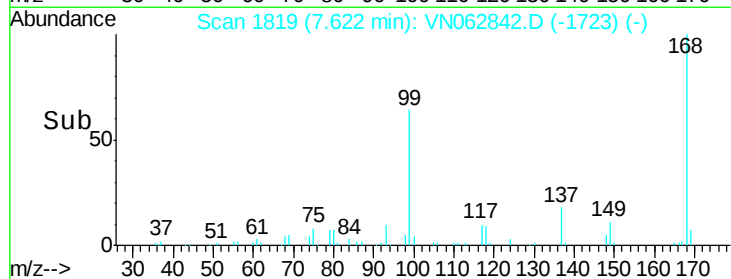
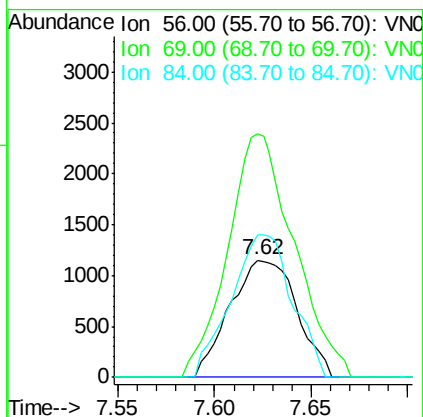
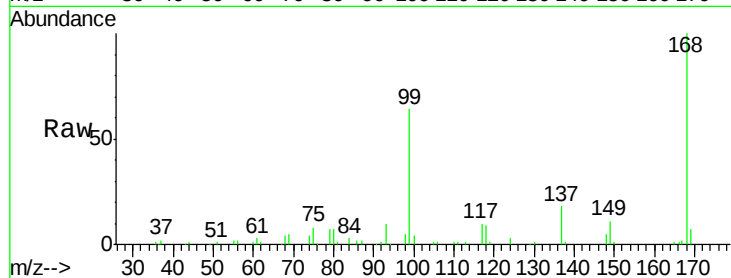




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062842.D
Acq: 11 Aug 2020 20:21

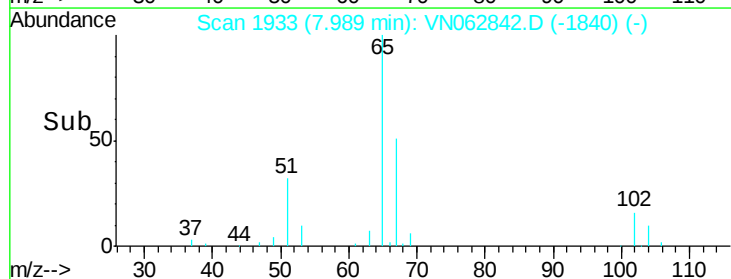
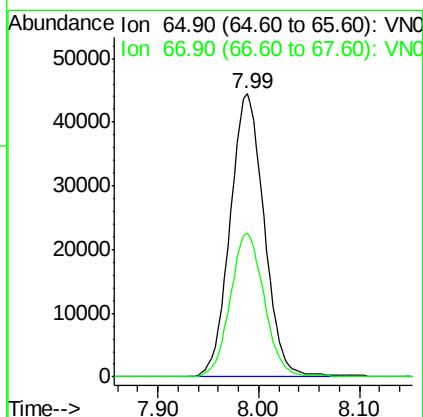
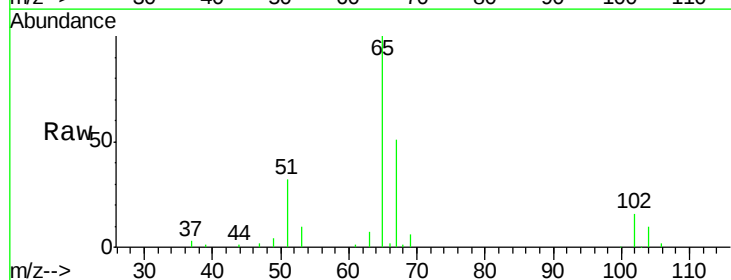
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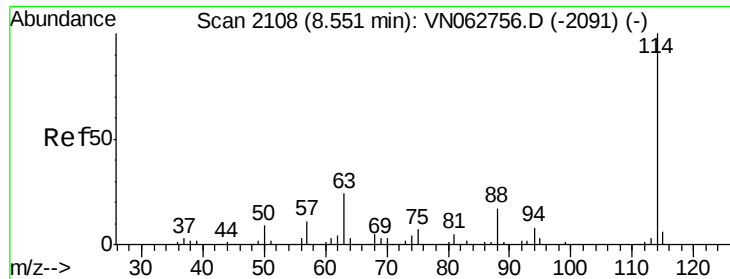
Tgt Ion: 56 Resp: 2766
Ion Ratio Lower Upper
56 100
69 193.9 28.1 42.1#
84 121.1 66.8 100.2#



#33
1,2-Dichloroethane-d4
Concen: 50.886 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062842.D
Acq: 11 Aug 2020 20:21

Tgt Ion: 65 Resp: 104210
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.4

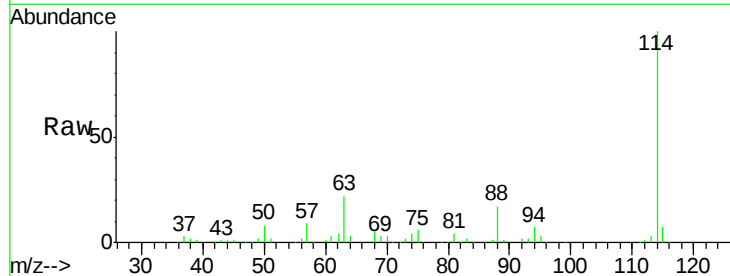




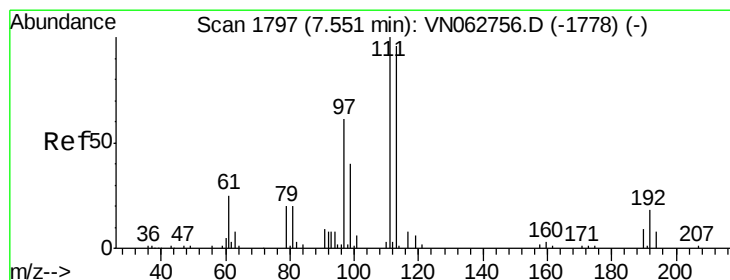
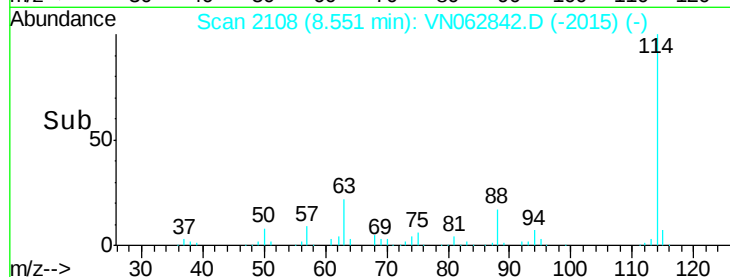
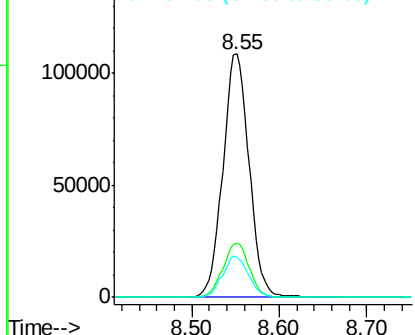
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#04

Tgt Ion:114 Resp: 225573
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.6
 88 16.6 0.0 34.4

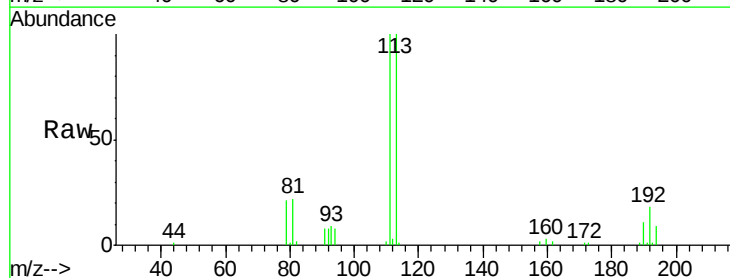


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

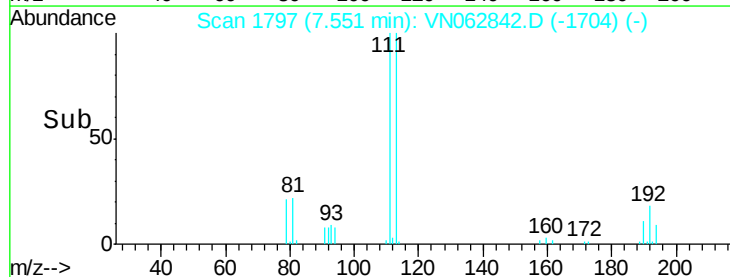
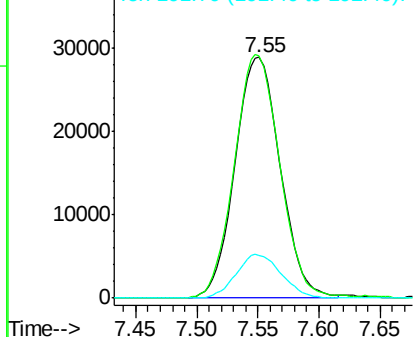


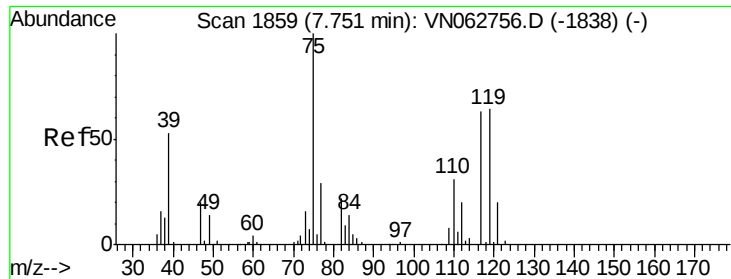
#35
 Dibromofluoromethane
 Concen: 48.136 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

Tgt Ion:113 Resp: 74276
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.6
 192 18.1 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

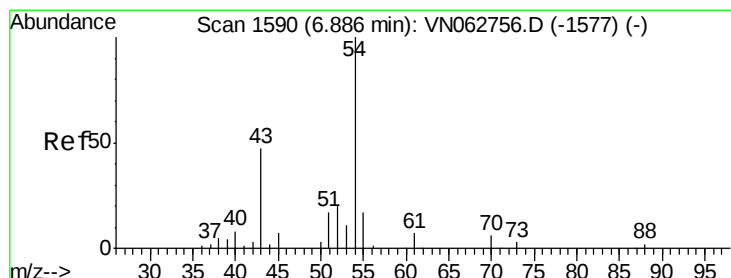
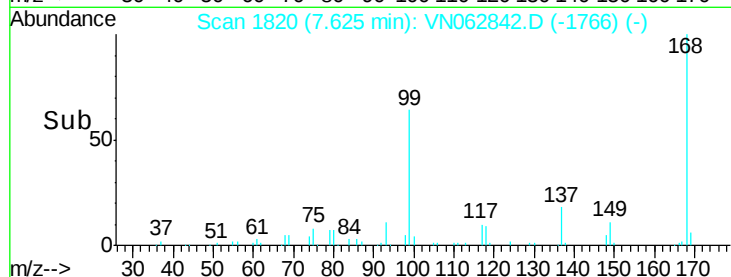
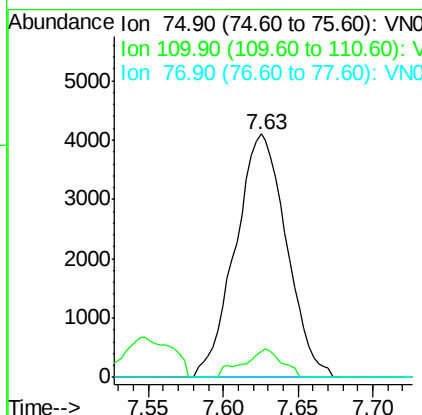
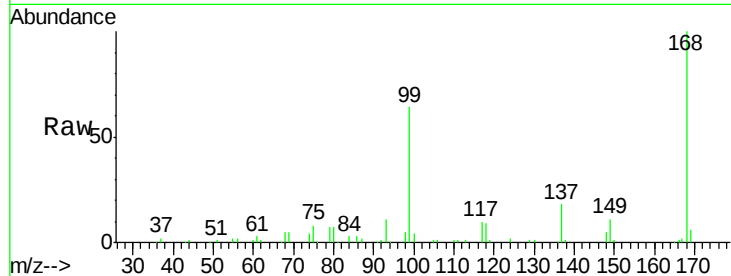




#36
 1,1-Dichloropropene
 Concen: 4.438 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

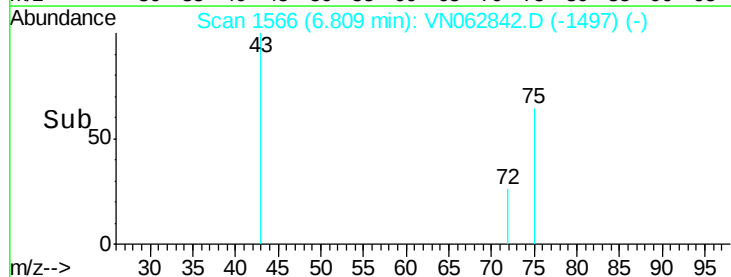
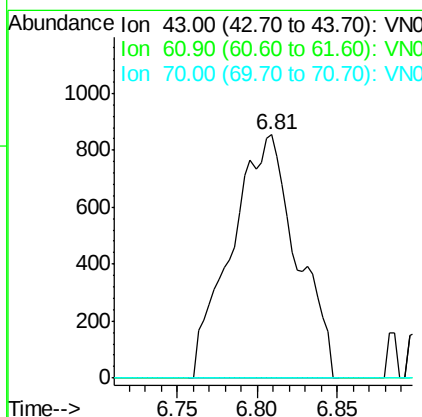
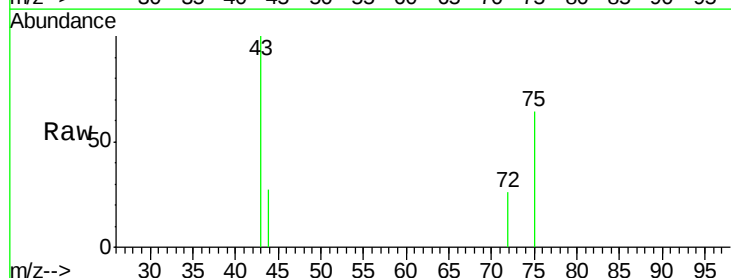
Instrument :
 MSVOA_N
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 PB130874ZHE#04

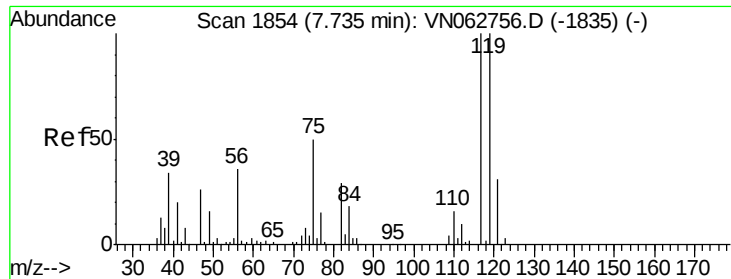
Tgt Ion: 75 Resp: 9747
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.7#
 77 0.0 24.1 36.1#



#37
 Ethyl Acetate
 Concen: 1.046 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.08 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

Tgt Ion: 43 Resp: 2400
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.3 12.5#

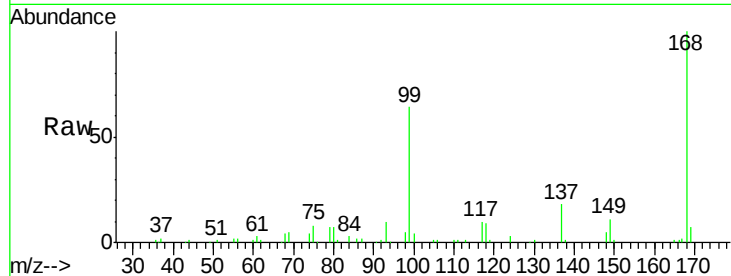




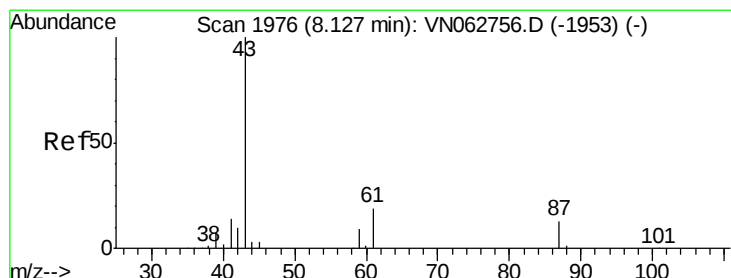
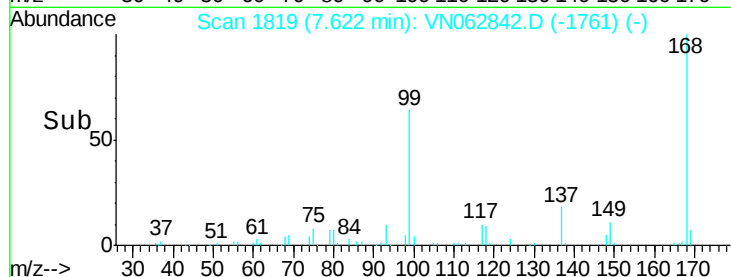
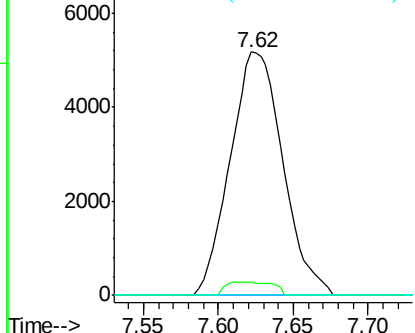
#38
Carbon Tetrachloride
Concen: 4.882 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN062842.D
Acq: 11 Aug 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#04

Tgt Ion: 117 Resp: 12682
Ion Ratio Lower Upper
117 100
119 5.3 79.4 119.2#
121 0.0 24.9 37.3#

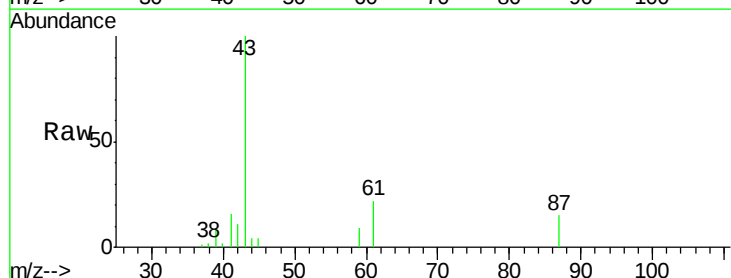


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

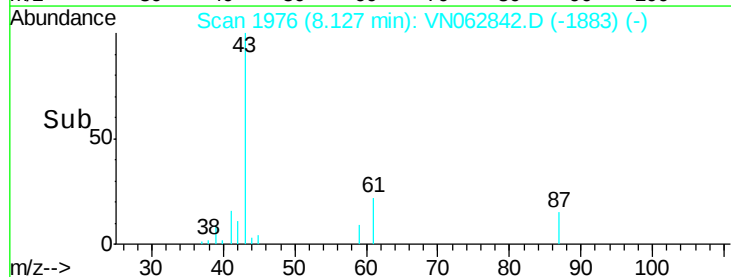
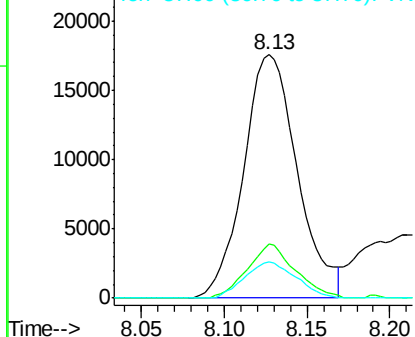


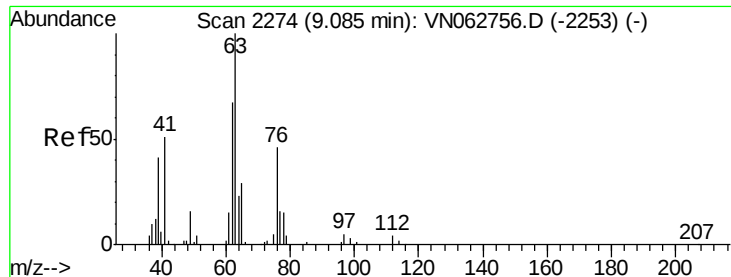
#43
Isopropyl Acetate
Concen: 10.353 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062842.D
Acq: 11 Aug 2020 20:21

Tgt Ion: 43 Resp: 39620
Ion Ratio Lower Upper
43 100
61 19.8 15.8 23.6
87 14.2 9.9 14.9



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





#45

1,2-Dichloropropane

Concen: 0.439 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

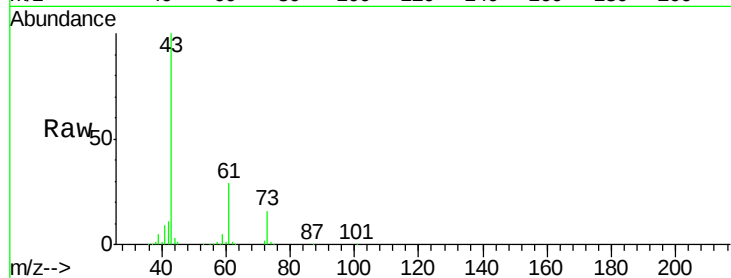
PB130874ZHE#04

Tgt Ion: 63 Resp: 778

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

9.24

500

400

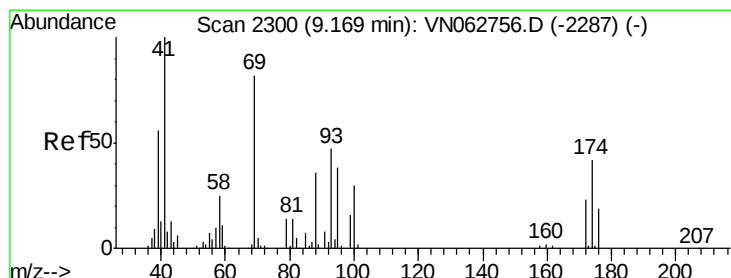
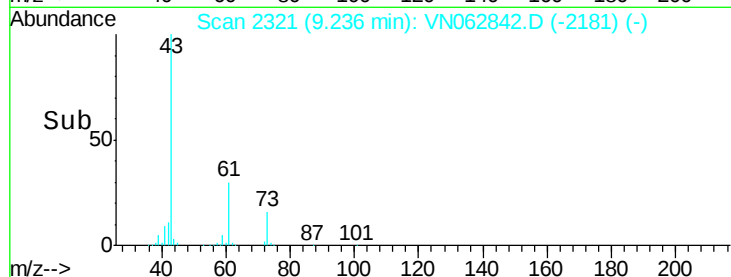
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 1.289 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.02 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

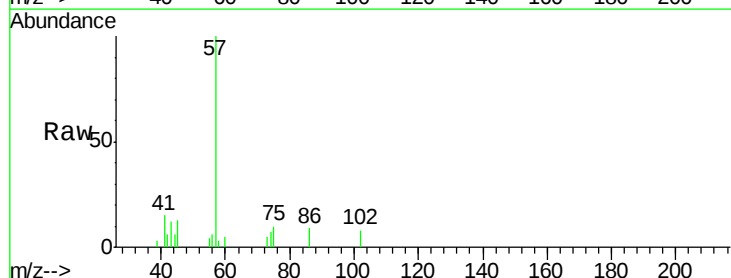
Tgt Ion: 41 Resp: 2426

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

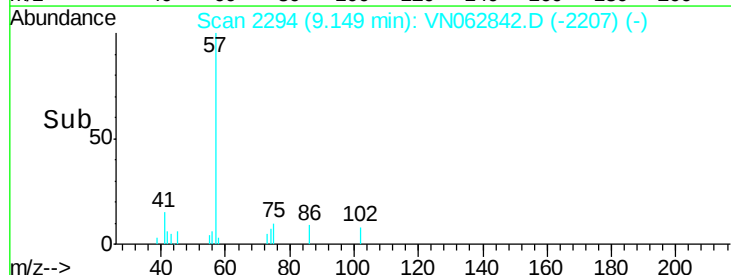
30000

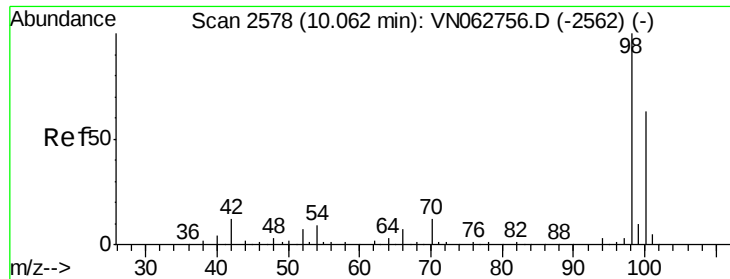
20000

10000

0

Time-->

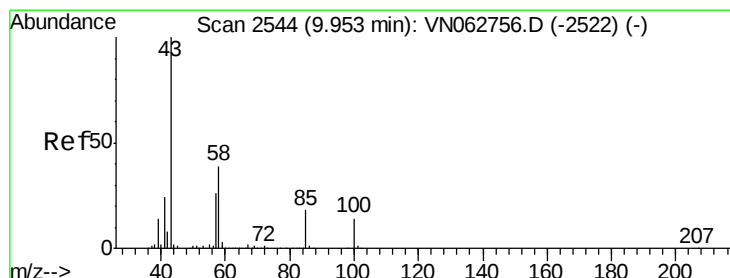
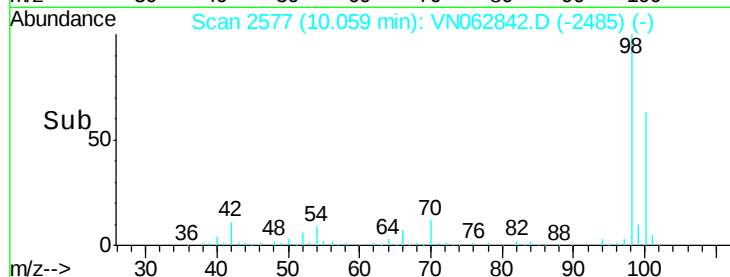
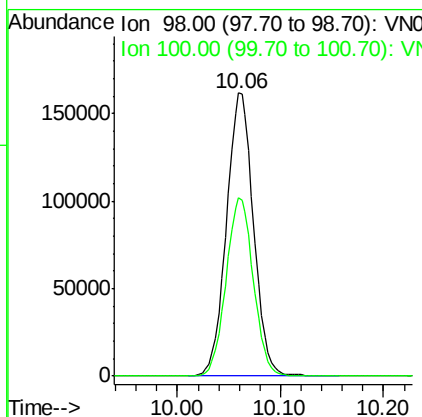
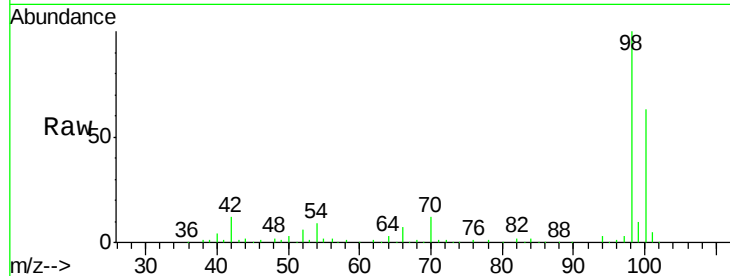




#50
Toluene-d8
Concen: 49.123 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062842.D
Acq: 11 Aug 2020 20:21

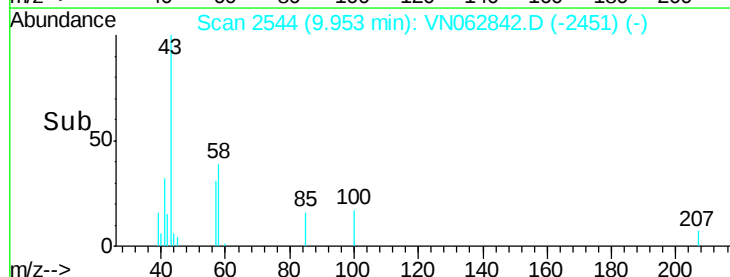
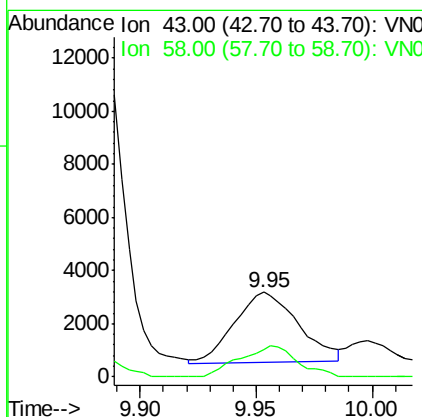
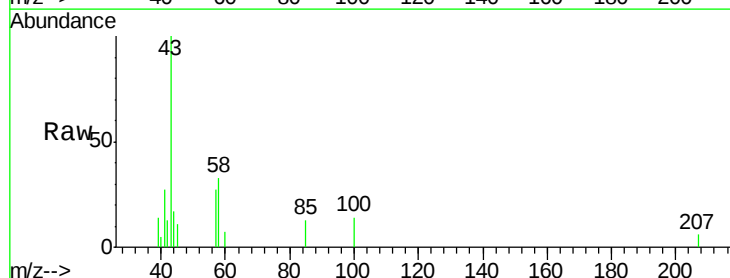
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#04

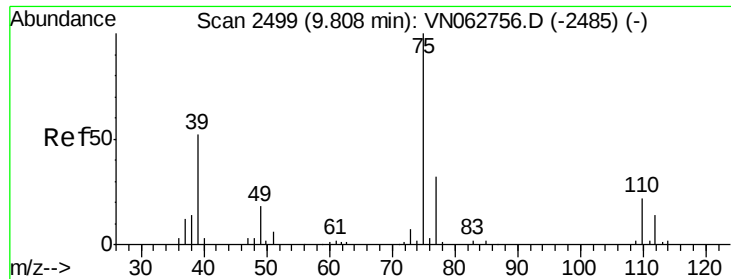
Tgt Ion: 98 Resp: 295927
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.053 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062842.D
Acq: 11 Aug 2020 20:21

Tgt Ion: 43 Resp: 5083
Ion Ratio Lower Upper
43 100
58 40.2 31.1 46.7

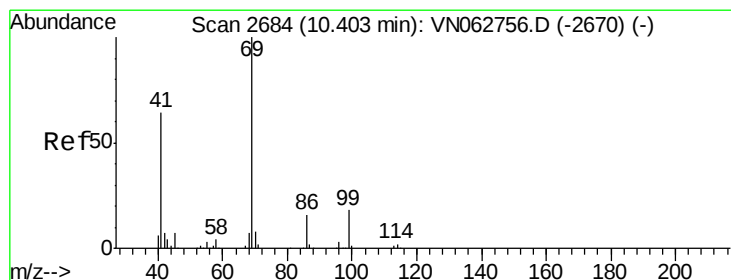
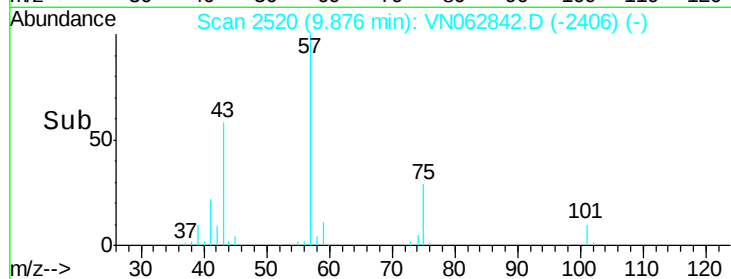
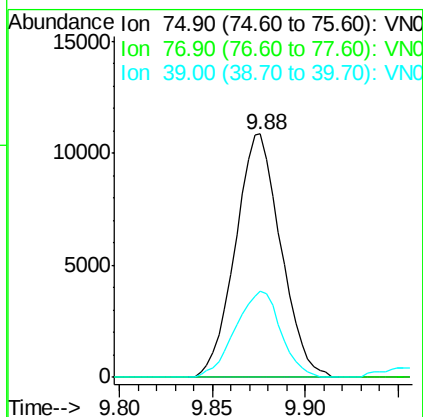
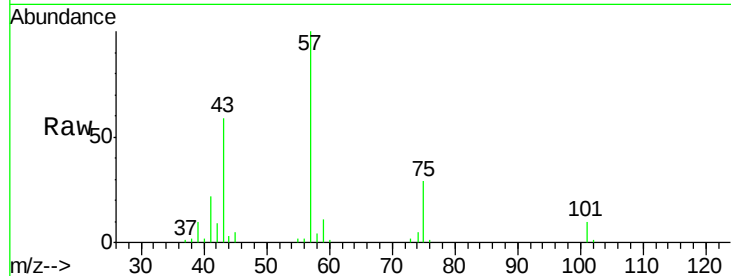




#54
 cis-1,3-Dichloropropene
 Concen: 6.434 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

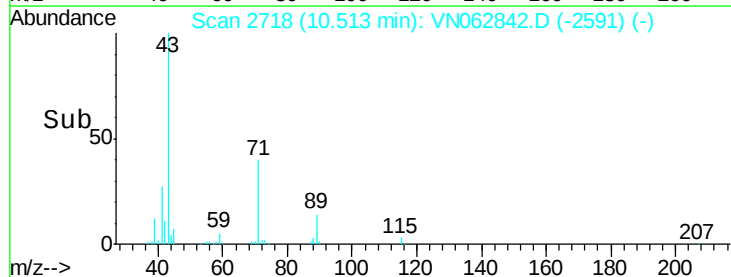
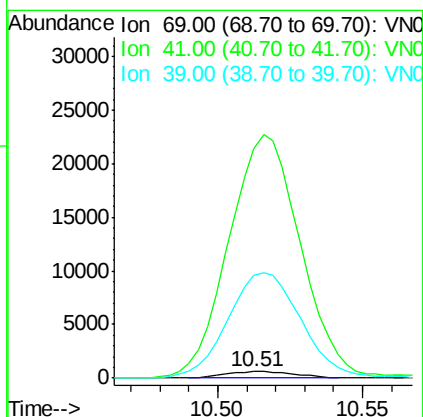
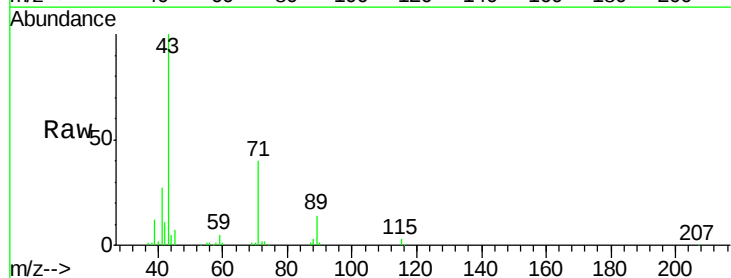
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#04

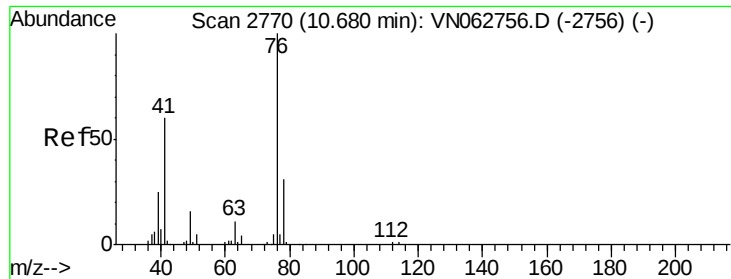
Tgt Ion: 75 Resp: 18548
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 35.2 41.9 62.9#



#56
 Ethyl methacrylate
 Concen: 0.391 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

Tgt Ion: 69 Resp: 1016
 Ion Ratio Lower Upper
 69 100
 41 3847.9 52.2 78.2#
 39 1702.5 30.9 46.3#

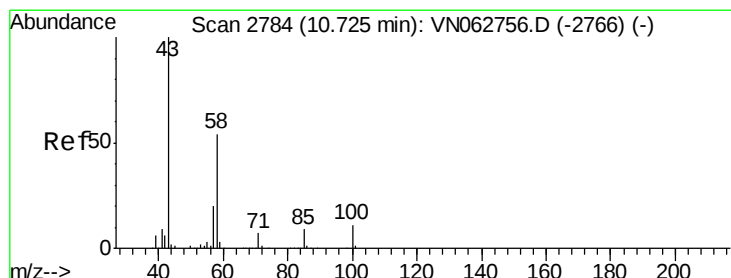
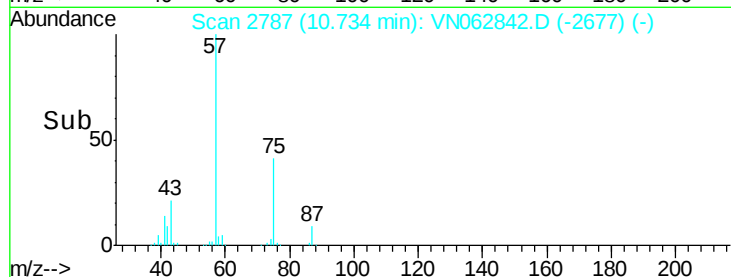
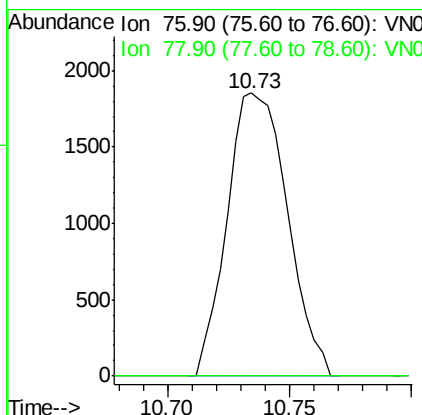
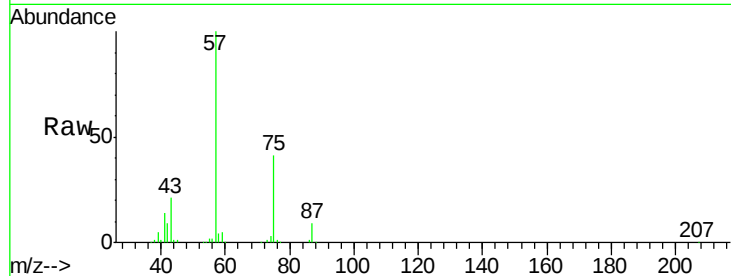




#57
 1,3-Dichloropropane
 Concen: 1.084 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

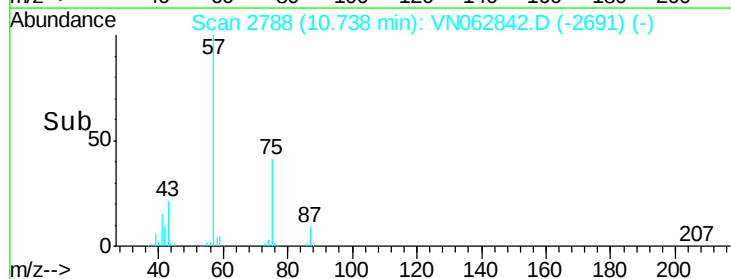
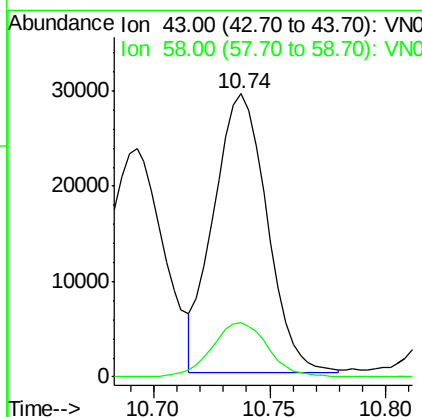
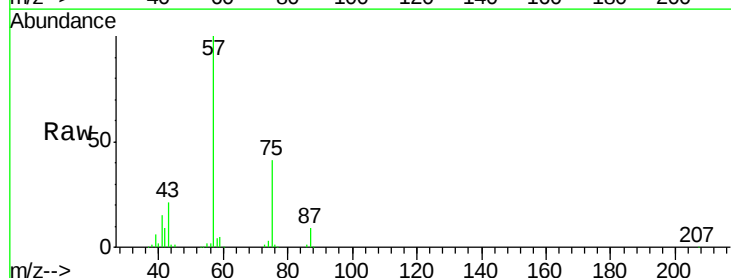
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#04

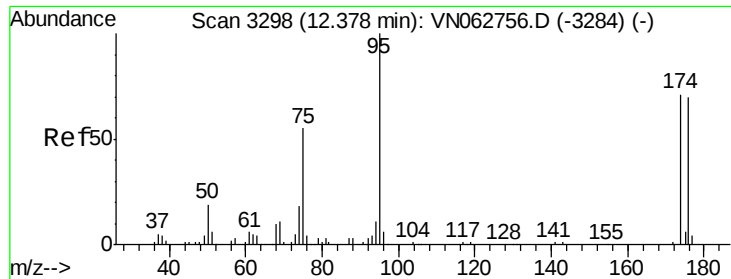
Tgt Ion: 76 Resp: 3182
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 25.438 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062842.D
 Acq: 11 Aug 2020 20:21

Tgt Ion: 43 Resp: 46984
 Ion Ratio Lower Upper
 43 100
 58 20.3 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 47.353 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#04

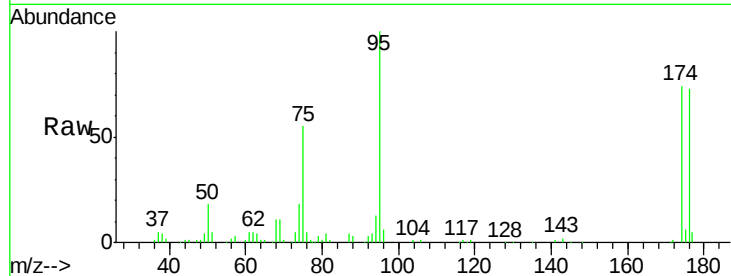
Tgt Ion: 95 Resp: 107802

Ion Ratio Lower Upper

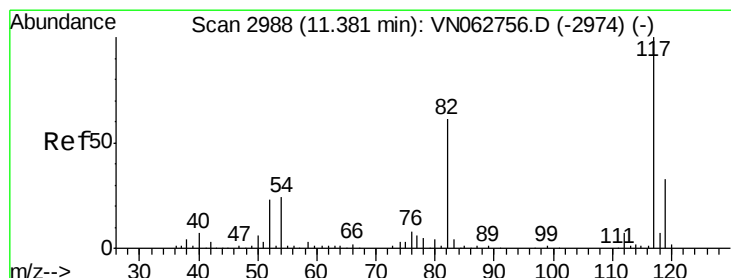
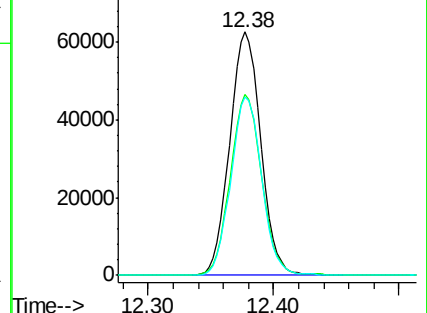
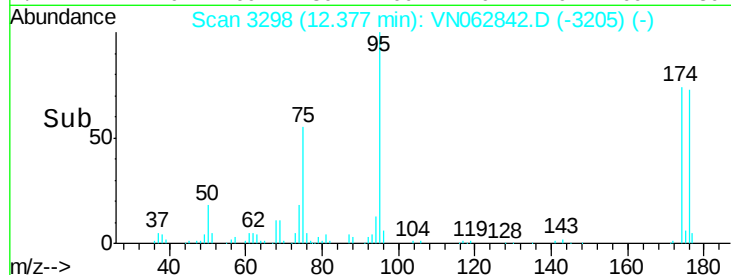
95 100

174 74.7 0.0 144.8

176 72.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062842.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

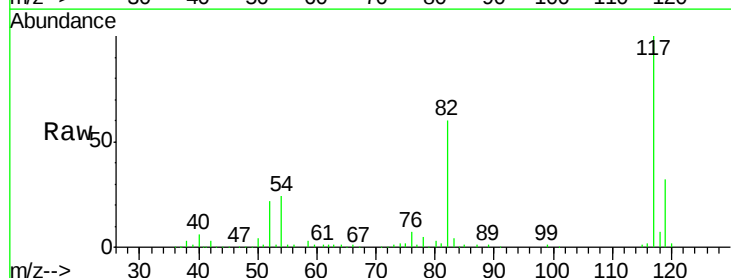
Tgt Ion: 117 Resp: 230256

Ion Ratio Lower Upper

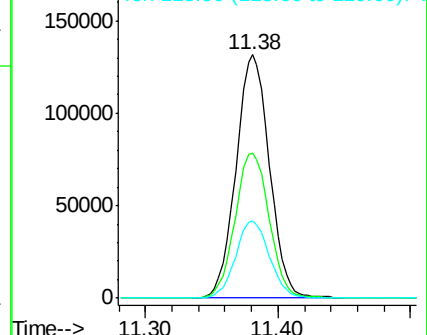
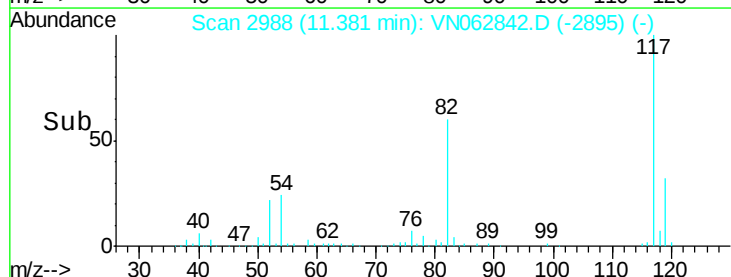
117 100

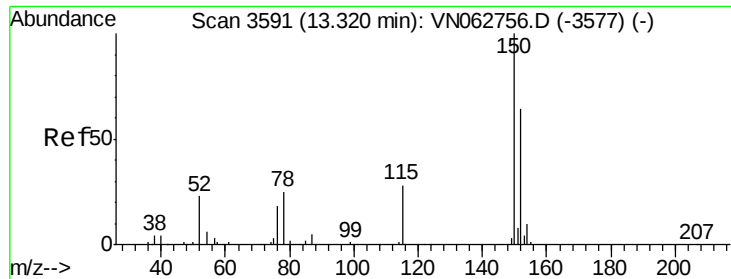
82 59.5 49.0 73.4

119 31.8 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062842.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#04

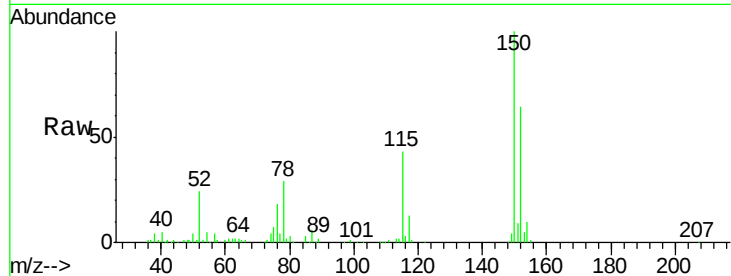
Tgt Ion:152 Resp: 84591

Ion Ratio Lower Upper

152 100

115 64.8 31.6 94.8

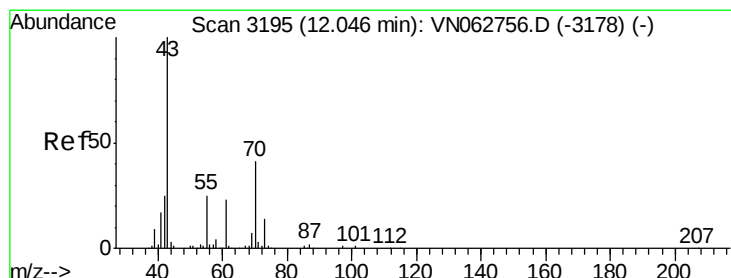
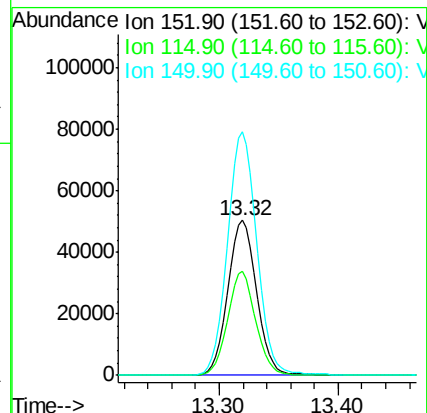
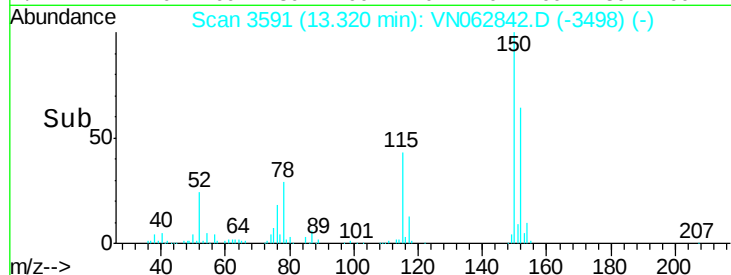
150 159.4 0.0 349.2



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: 0.485 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Tgt Ion: 43 Resp: 1252

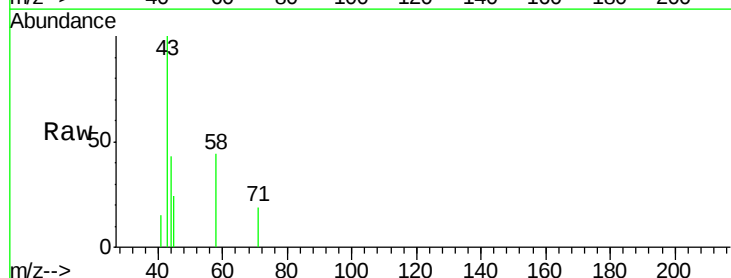
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

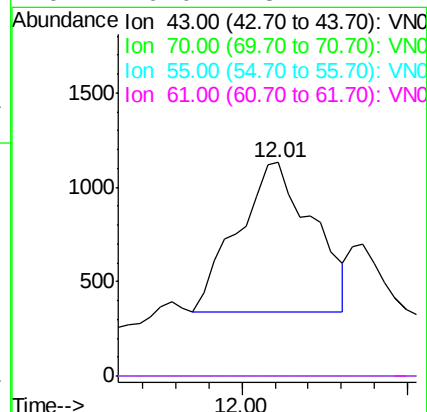
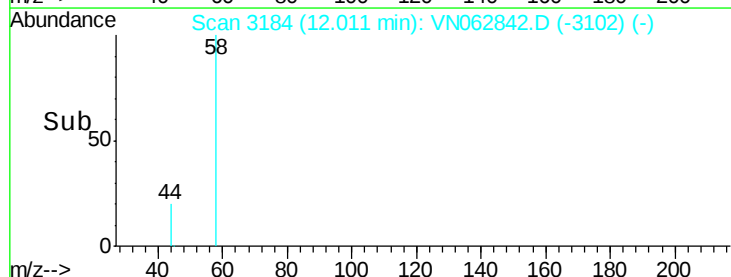


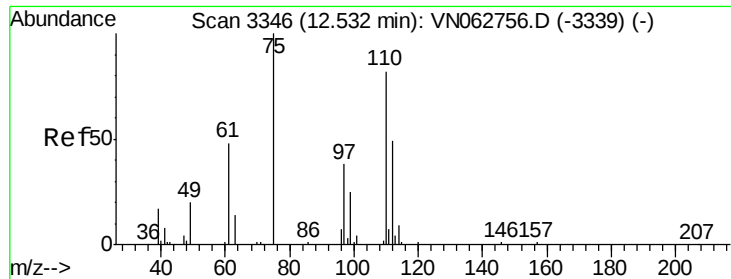
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.219 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

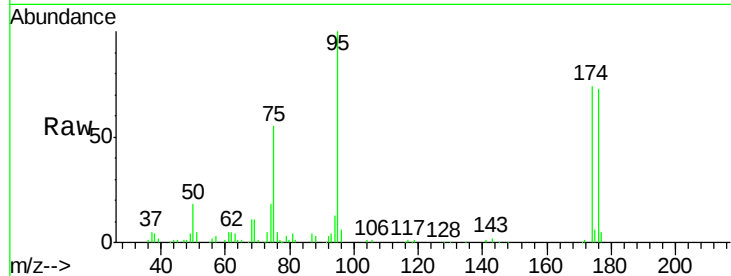
PB130874ZHE#04

Tgt Ion: 75 Resp: 59813

Ion Ratio Lower Upper

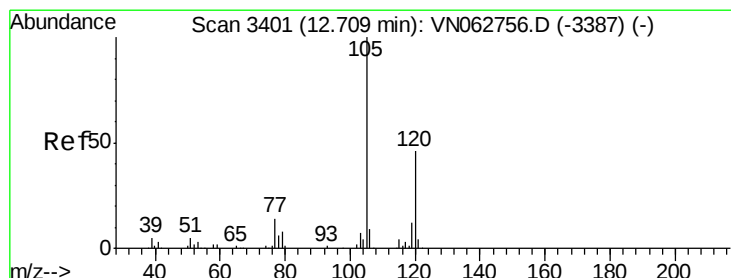
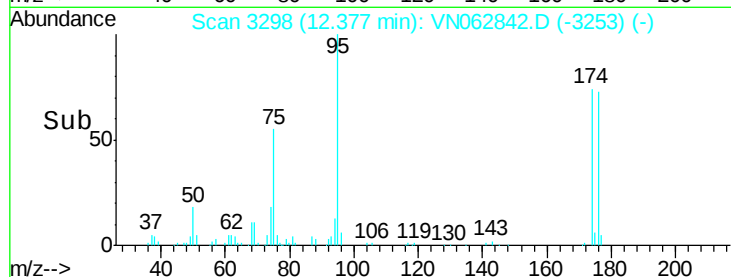
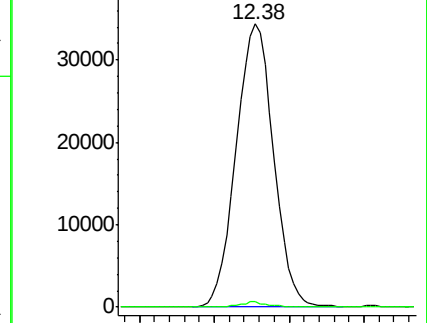
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062842.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062842.D (-3253) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.358 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062842.D

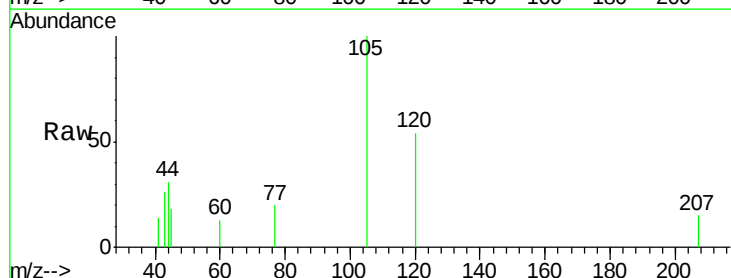
Acq: 11 Aug 2020 20:21

Tgt Ion: 105 Resp: 1978

Ion Ratio Lower Upper

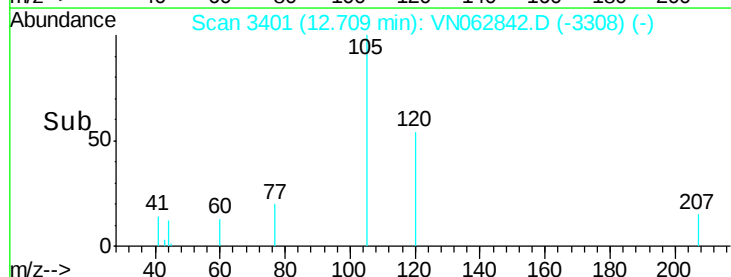
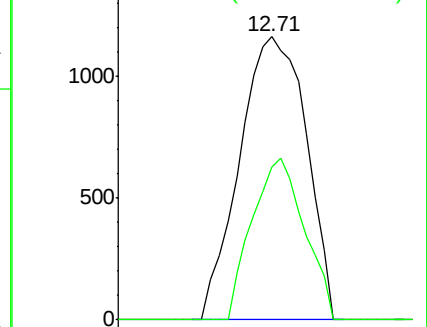
105 100

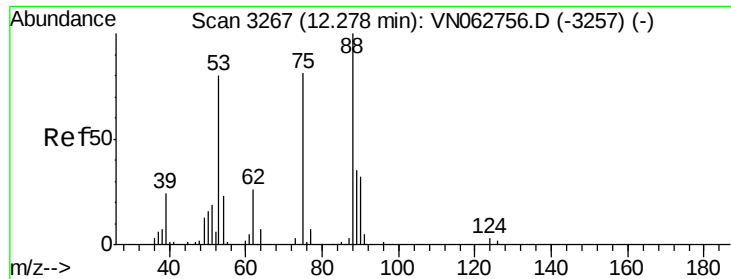
120 44.8 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062842.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062842.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 80.038 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062842.D

Acq: 11 Aug 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#04

Tgt Ion: 75 Resp: 59813

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

