

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062741.D
 Acq On : 3 Aug 2020 17:26
 Operator : JC/MD
 Sample : PB130675ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#03

Quant Time: Aug 04 03:34:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	116938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	212783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	214117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79894	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	101413	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	7.55	113	71080	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	10.06	98	280144	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.38	95	103766	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

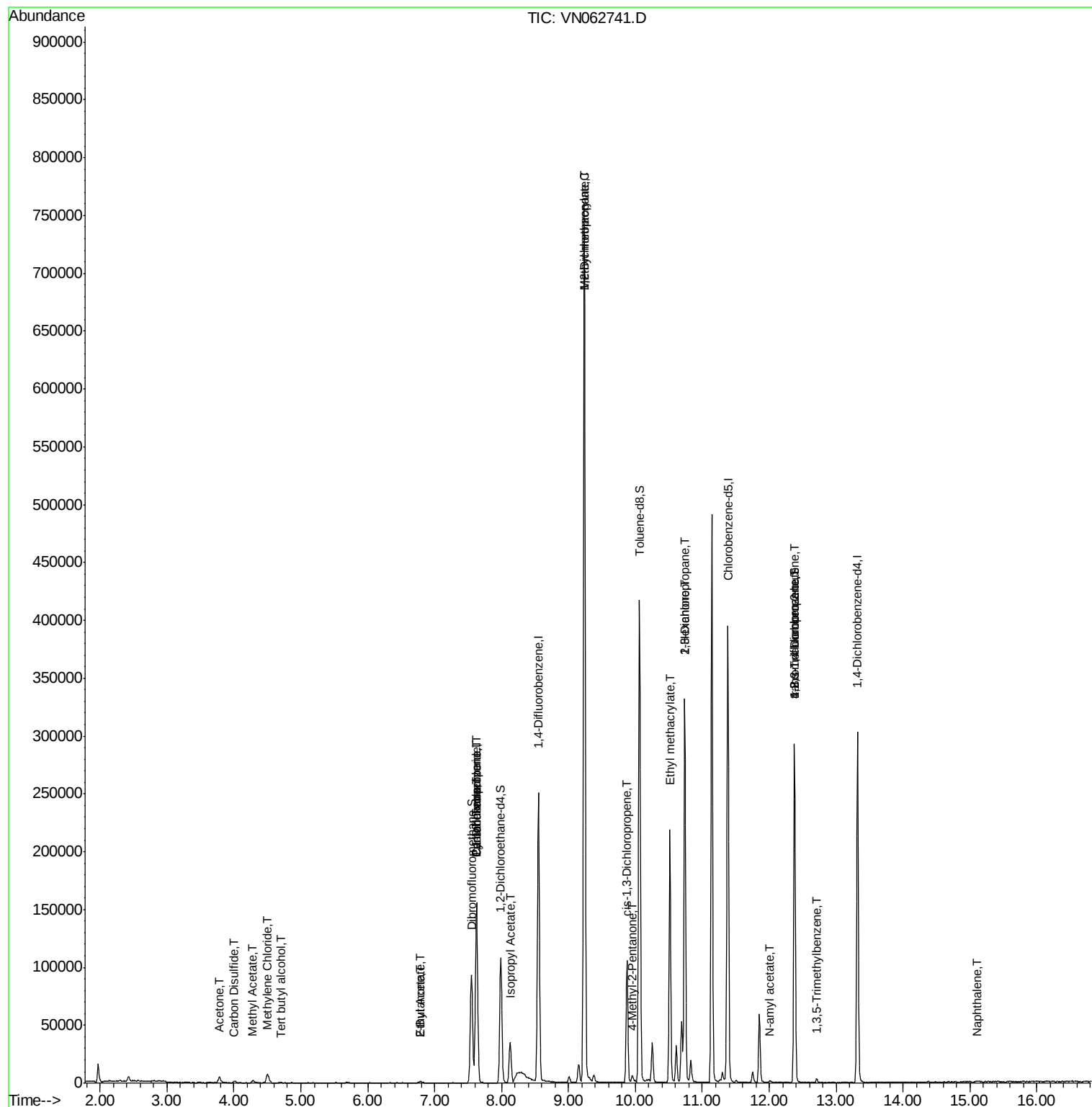
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	63	0.218	ug/l #	73
16) Acetone	3.78	43	8624	12.616	ug/l	98
17) Carbon Disulfide	4.01	76	2839	0.690	ug/l #	75
18) Methyl Acetate	4.28	43	3666	2.118	ug/l #	90
20) Methylene Chloride	4.50	84	6082	3.710	ug/l #	85
25) 2-Butanone	6.80	43	1354	1.301	ug/l #	52
31) Cyclohexane	7.62	56	2858	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10528	4.642	ug/l #	52
37) Ethyl Acetate	6.80	43	1354	0.554	ug/l #	69
38) Carbon Tetrachloride	7.63	117	12051	5.528	ug/l #	18
43) Isopropyl Acetate	8.13	43	40801	10.352	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	666	0.345	ug/l #	44
48) Methyl methacrylate	9.24	41	73684	39.329	ug/l #	46
51) 4-Methyl-2-Pentanone	9.96	43	4714	1.999	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	17786	6.168	ug/l #	66
56) Ethyl methacrylate	10.51	69	821	2.054	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3280	1.158	ug/l #	42
59) 2-Hexanone	10.74	43	48938	29.475	ug/l #	52
74) N-amyl acetate	12.01	43	1881	0.667	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	58698	28.864	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2828	0.540	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	58698	80.351	ug/l #	12
95) Naphthalene	15.10	128	271	3.832	ug/l #	69

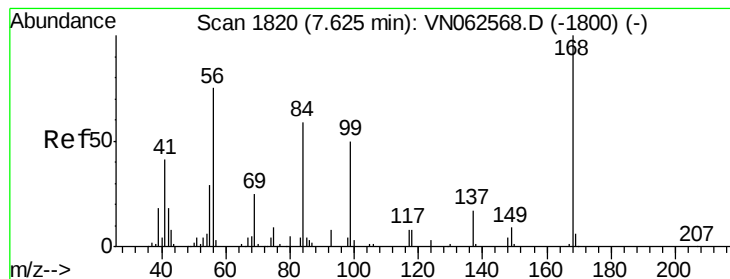
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 03:34:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

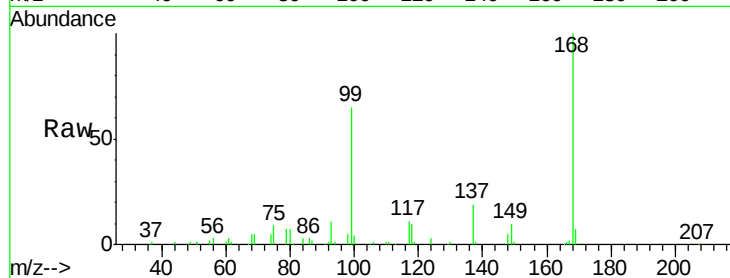
PB130675ZHE#03

Tot Ion:168 Resp: 116938

Ion Ratio Lower Upper

168 100

99 65.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

50000

40000

30000

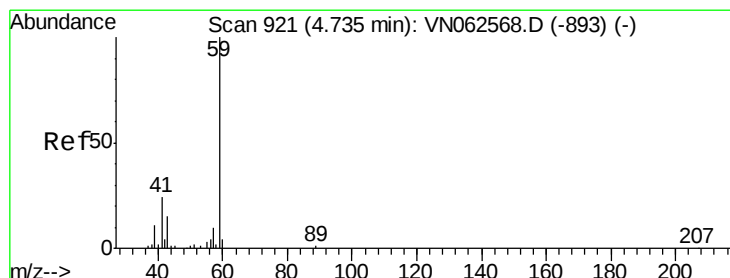
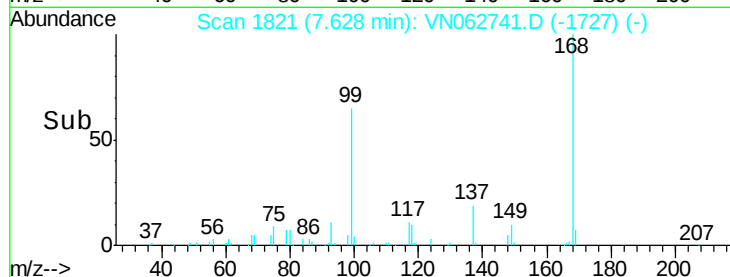
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.218 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.04 min

Lab File: VN062741.D

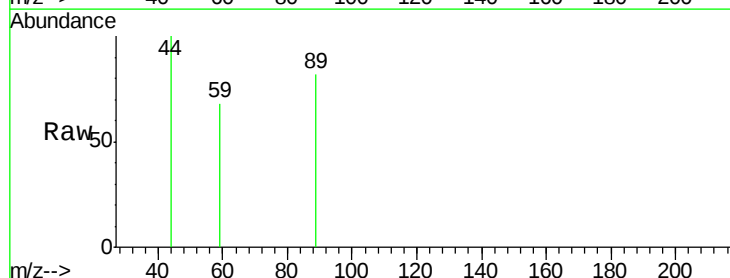
Acq: 3 Aug 2020 17:26

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.70

200

150

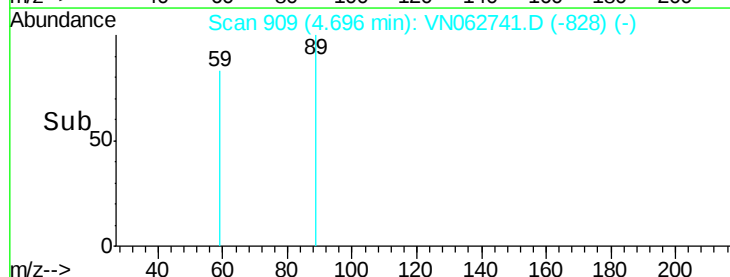
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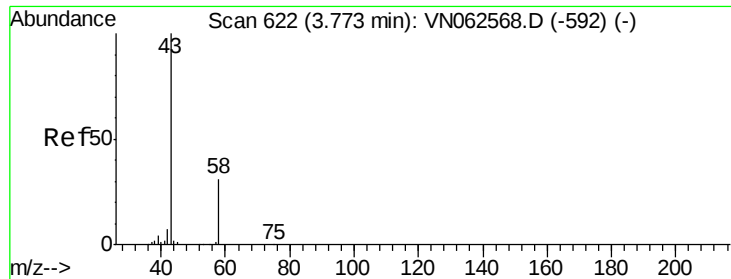
50

0

Time-->

4.69 4.70 4.71

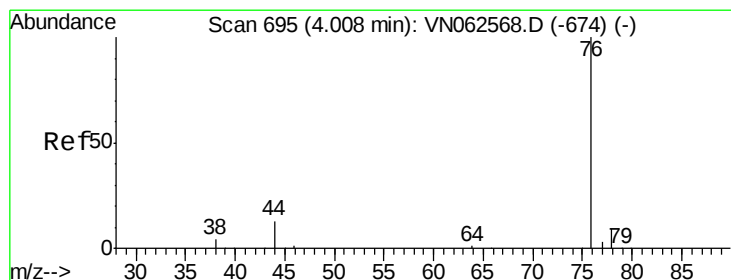
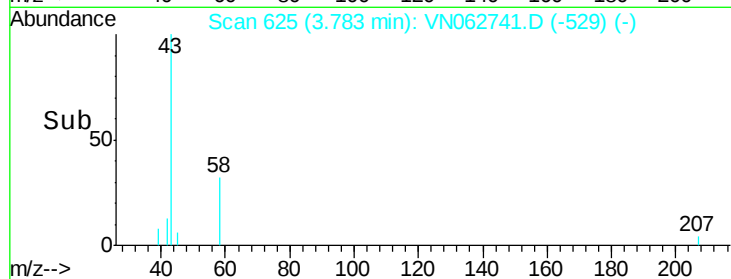
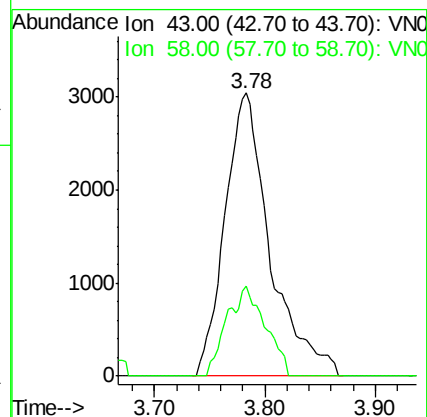
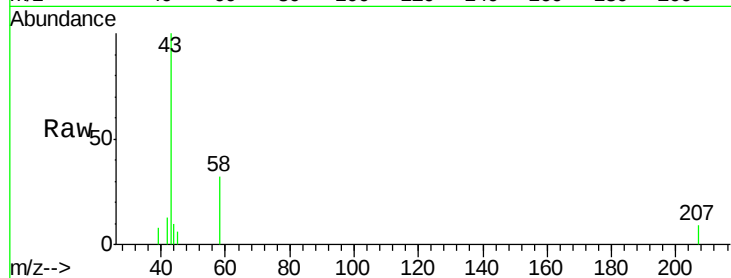




#16
Acetone
Concen: 12.616 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

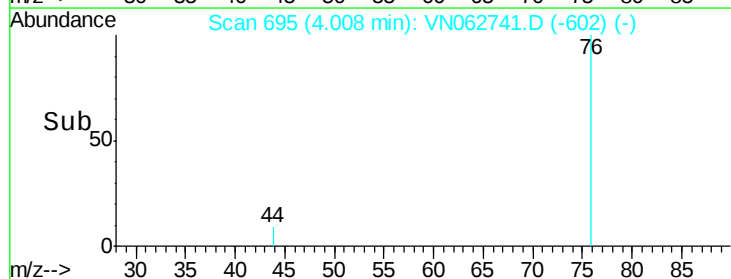
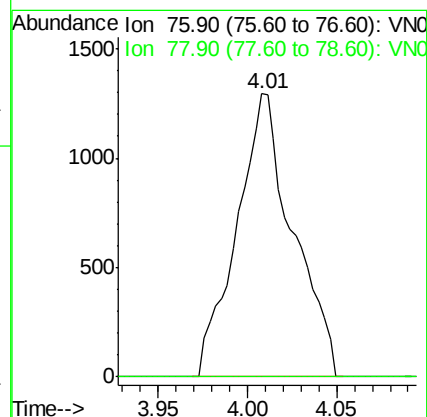
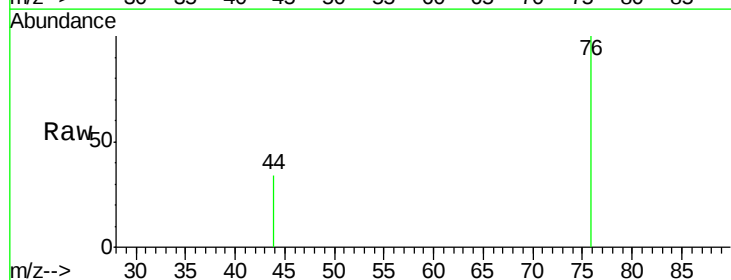
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#03

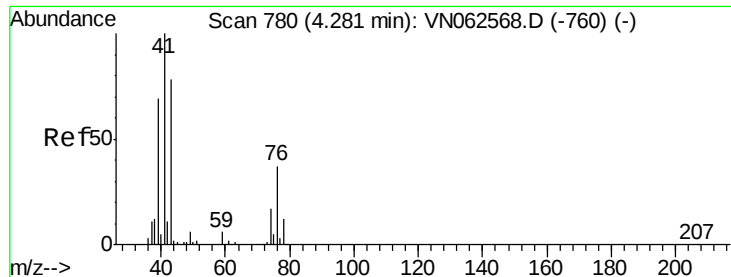
Tot Ion: 43 Resp: 8624
Ion Ratio Lower Upper
43 100
58 32.0 24.6 37.0



#17
Carbon Disulfide
Concen: 0.690 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Tgt Ion: 76 Resp: 2839
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

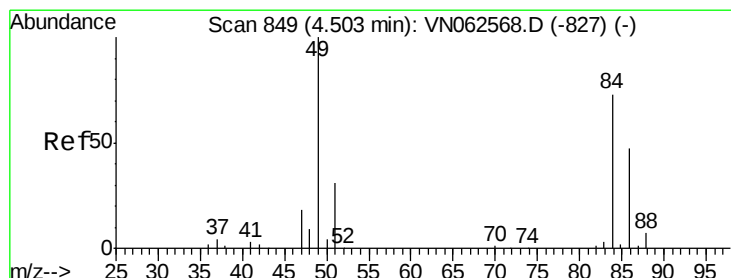
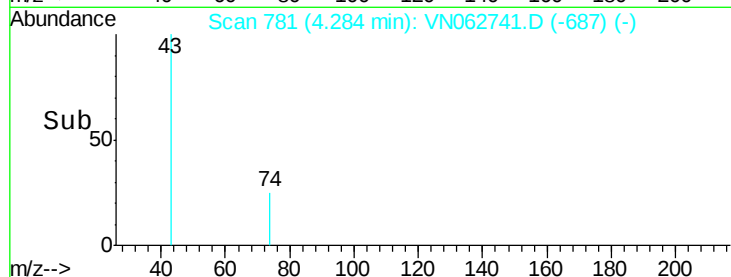
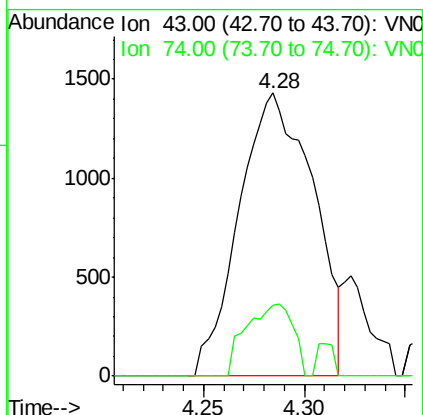
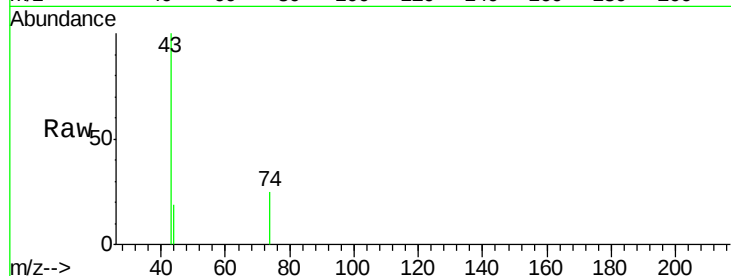




#18
Methvl Acetate
Concen: 2.118 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

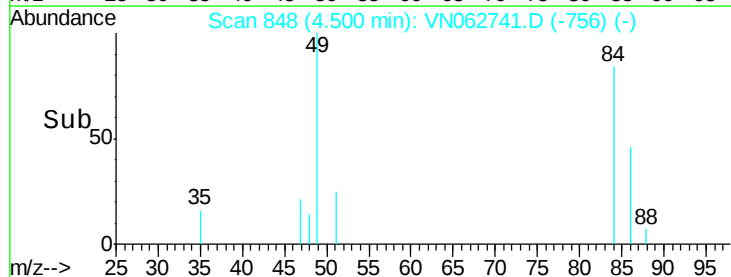
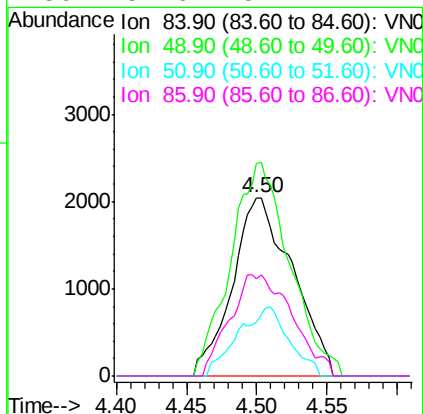
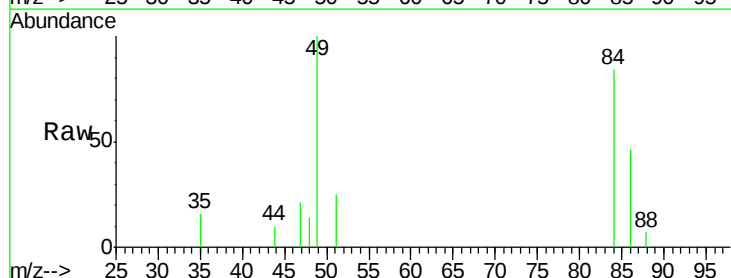
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PB130675ZHE#03

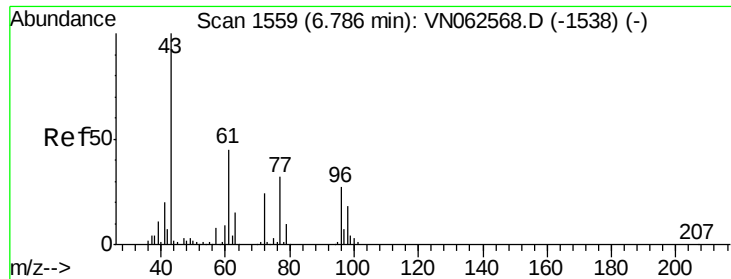
Tot Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
74 16.2 16.6 24.8#



#20
Methylene Chloride
Concen: 3.710 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Tgt Ion: 84 Resp: 6082
Ion Ratio Lower Upper
84 100
49 119.3 109.4 164.0
51 30.1 33.6 50.4#
86 54.6 51.4 77.2

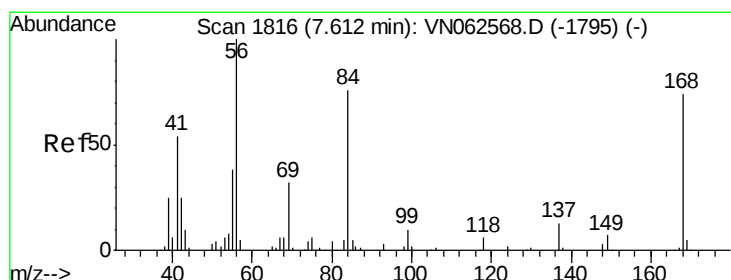
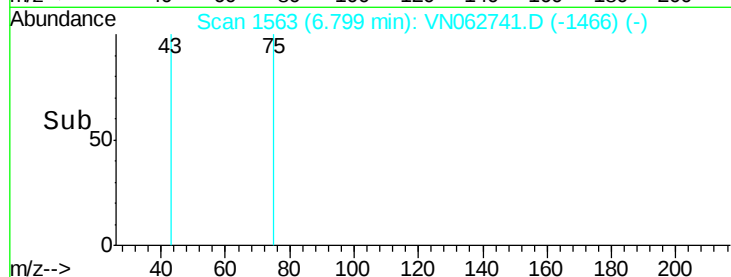
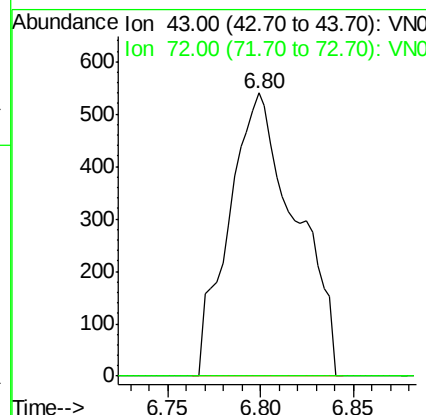
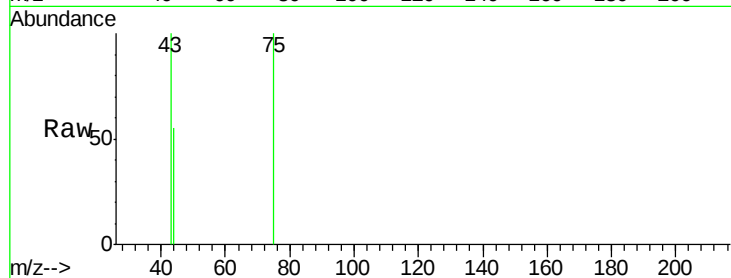




#25
2-Butanone
Concen: 1.301 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

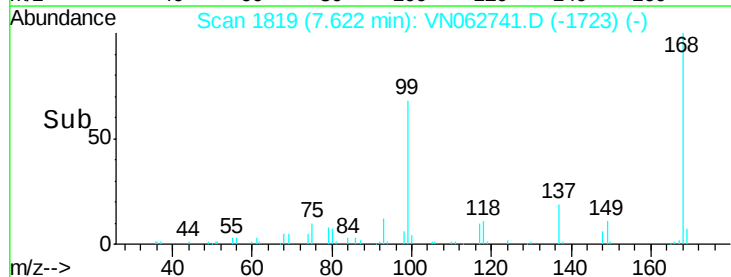
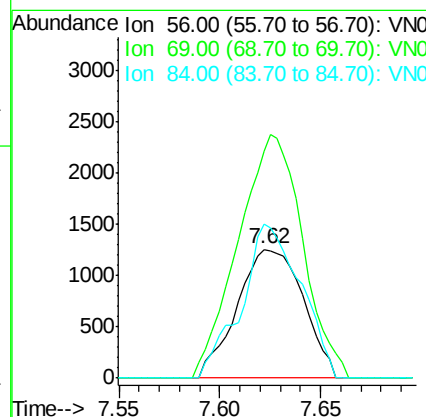
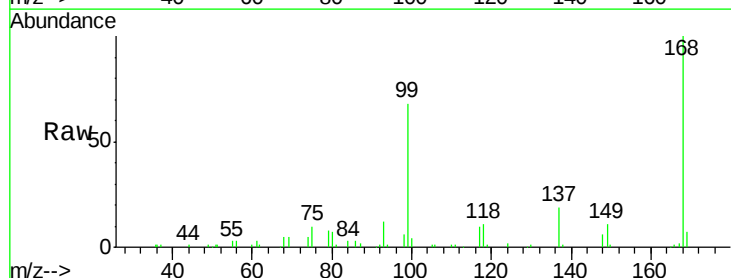
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#03

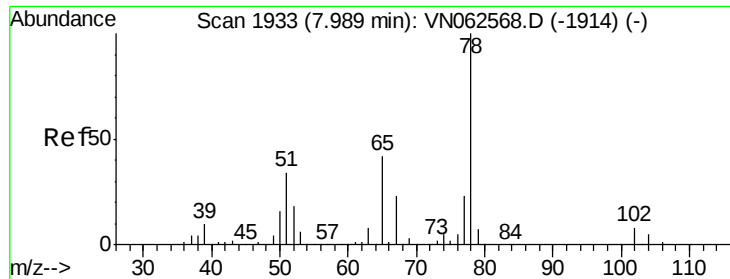
Tot Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Tgt Ion: 56 Resp: 2858
Ion Ratio Lower Upper
56 100
69 176.3 25.3 37.9#
84 119.5 61.0 91.4#

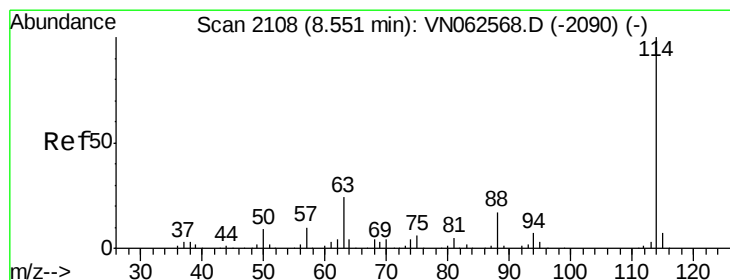
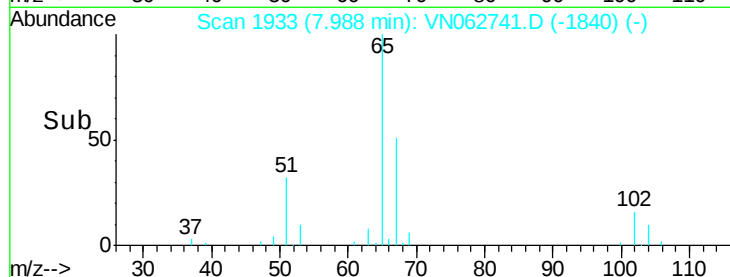
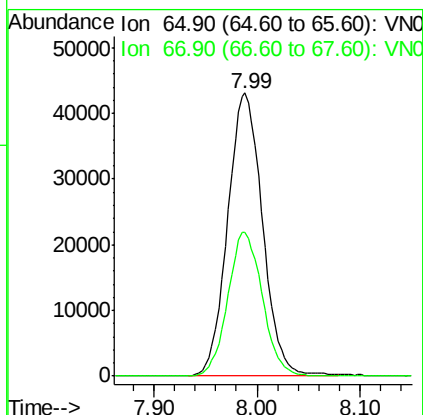
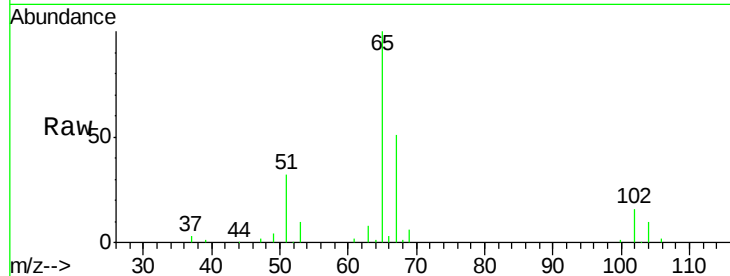




#33
 1,2-Dichloroethane-d4
 Concen: 55.826 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062741.D
 Acq: 3 Aug 2020 17:26

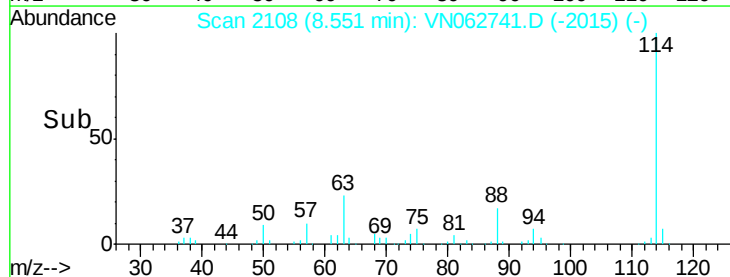
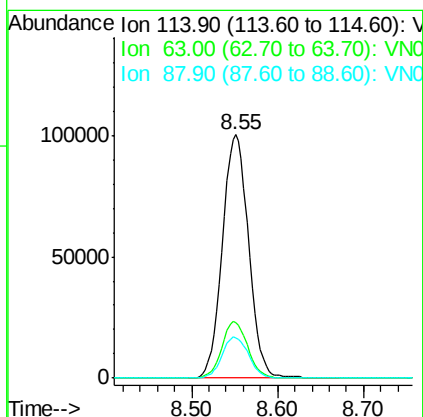
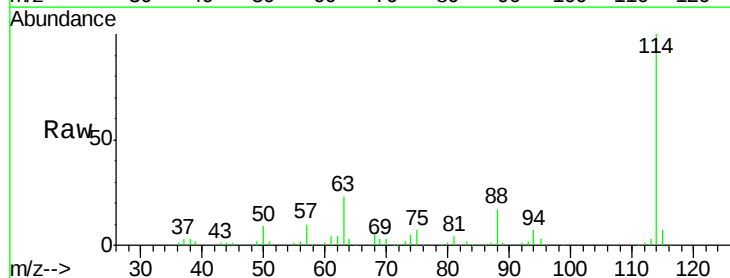
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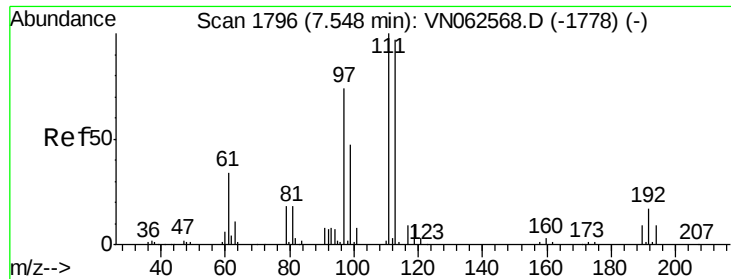
Tot Ion: 65 Resp: 101413
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062741.D
 Acq: 3 Aug 2020 17:26

Tgt Ion: 114 Resp: 212783
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 48.4
 88 16.7 0.0 33.8

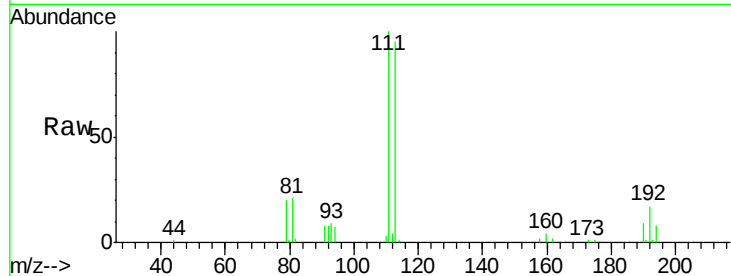




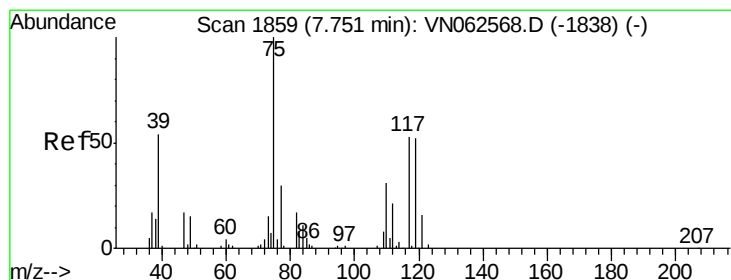
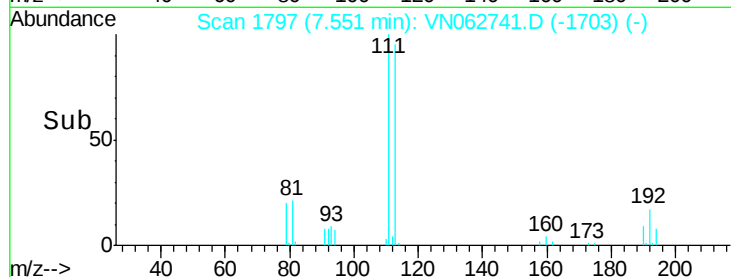
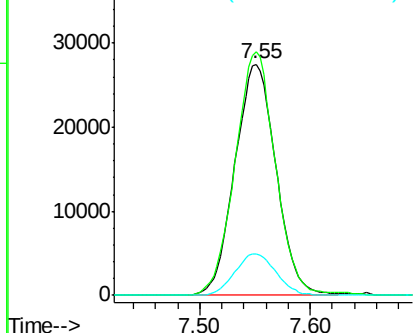
#35
 Dibromofluoromethane
 Concen: 50.856 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062741.D
 Acq: 3 Aug 2020 17:26

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Tot Ion:113 Resp: 71080
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 17.8 14.8 22.2

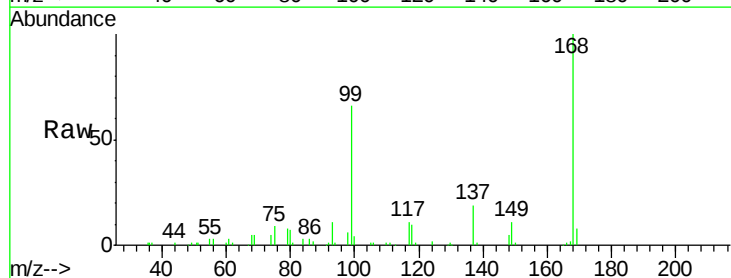


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

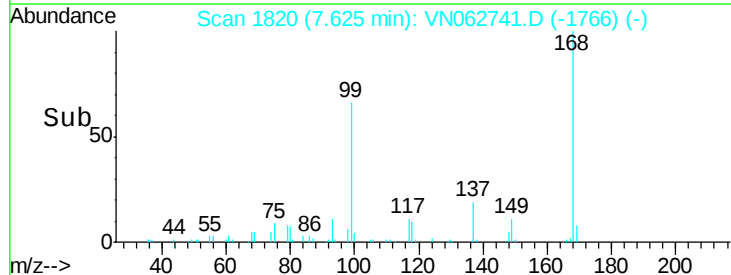
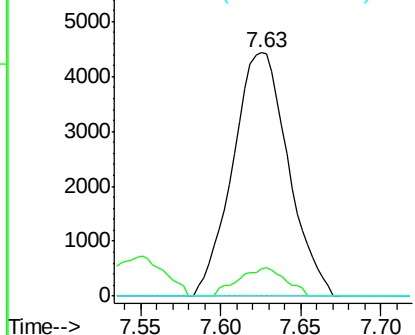


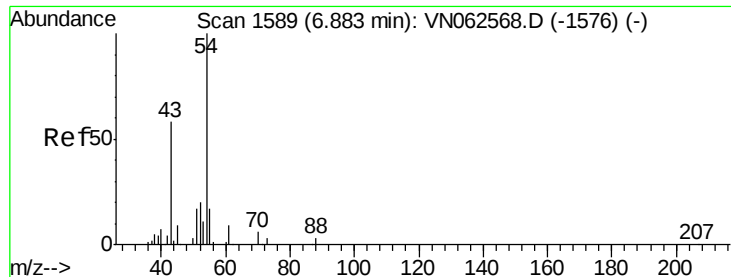
#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062741.D
 Acq: 3 Aug 2020 17:26

Tgt Ion: 75 Resp: 10528
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.0 48.0#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

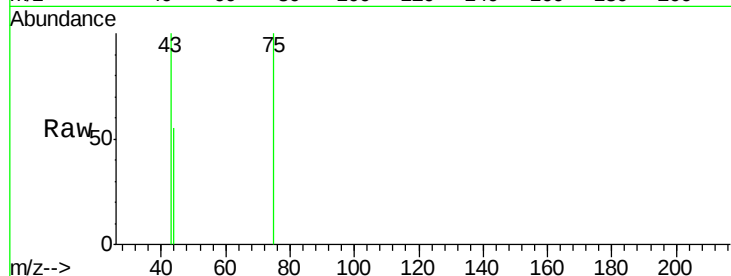




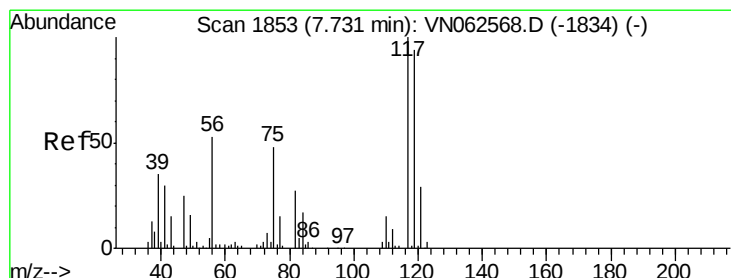
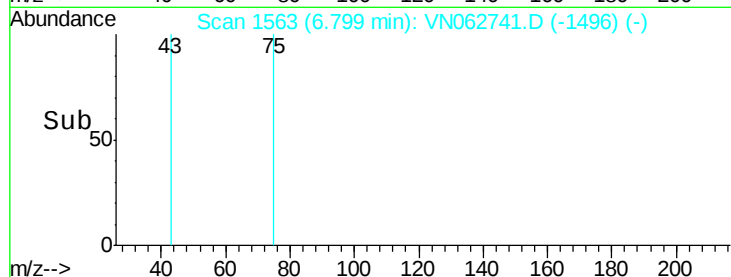
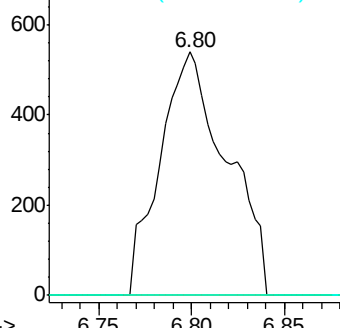
#37
Ethyl Acetate
Concen: 0.554 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.08 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Instrument :
MSVOA_N
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PB130675ZHE#03

Tot Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 7.7 11.5#

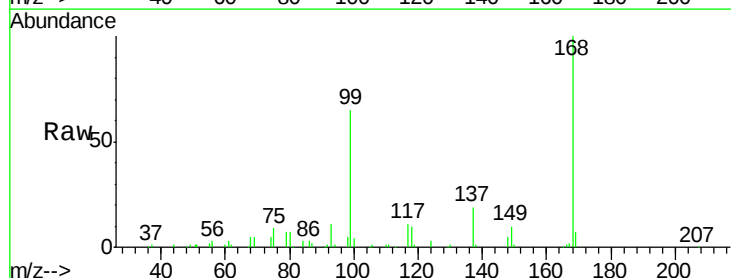


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

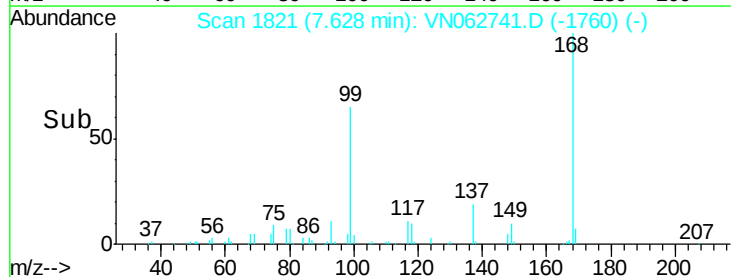
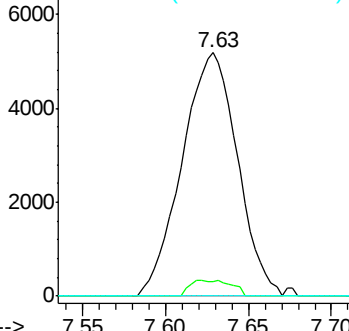


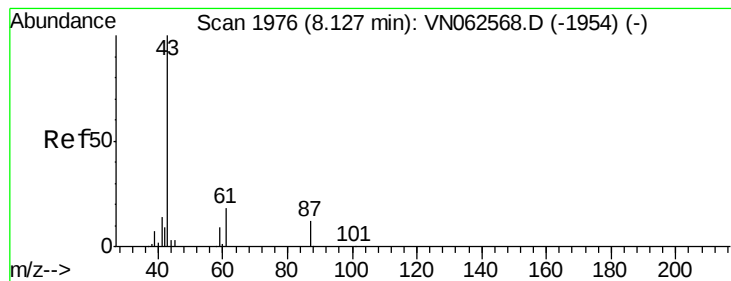
#38
Carbon Tetrachloride
Concen: 5.528 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Tgt Ion: 117 Resp: 12051
Ion Ratio Lower Upper
117 100
119 6.1 74.8 112.2#
121 0.0 23.0 34.6#



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





#43

Isopropyl Acetate

Concen: 10.352 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#03

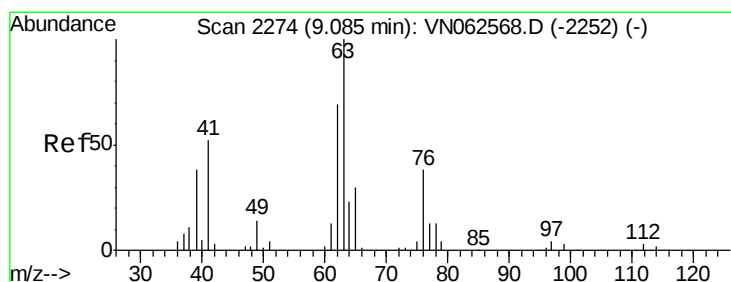
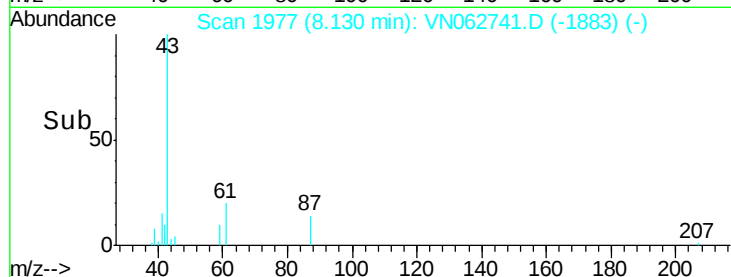
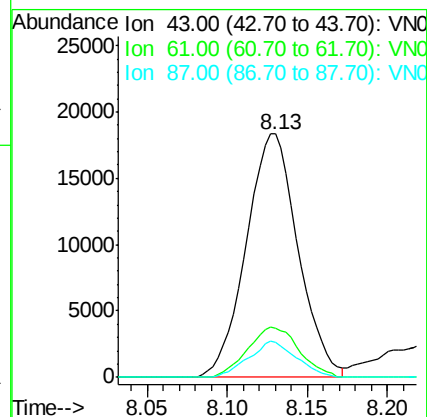
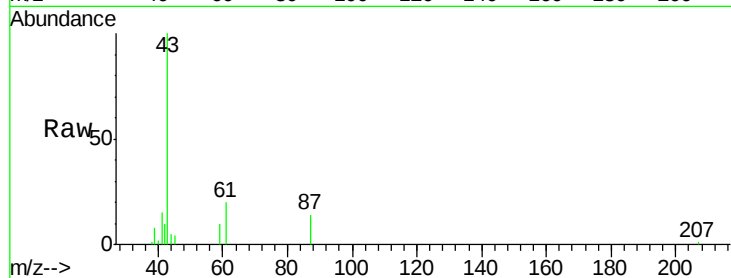
Tot Ion: 43 Resp: 40801

Ion Ratio Lower Upper

43 100

61 20.4 20.8 31.2#

87 13.6 9.2 13.8



#45

1,2-Dichloropropane

Concen: 0.345 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062741.D

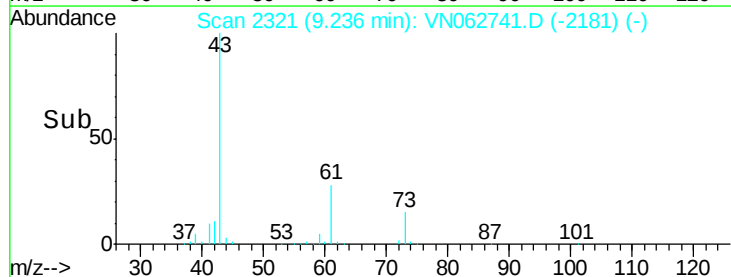
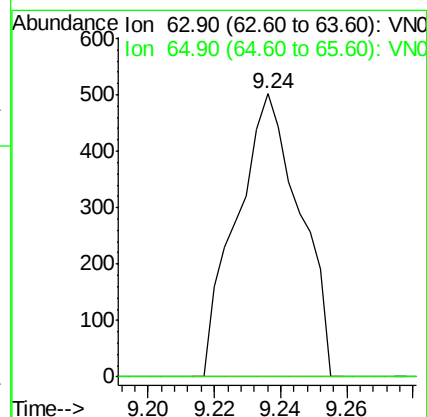
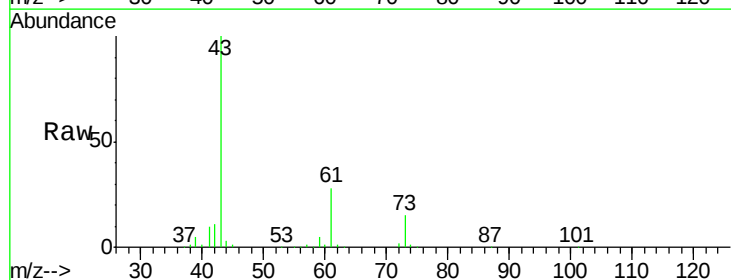
Acq: 3 Aug 2020 17:26

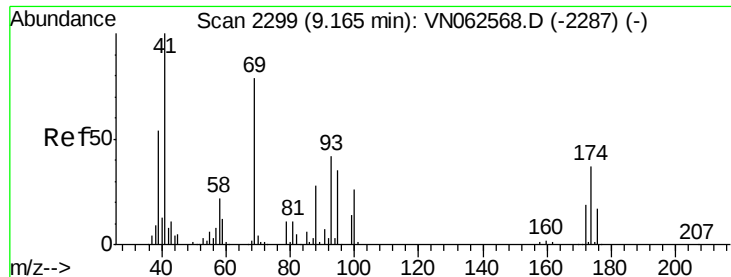
Tgt Ion: 63 Resp: 666

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#

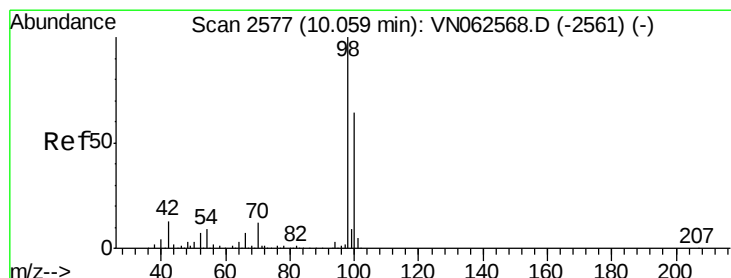
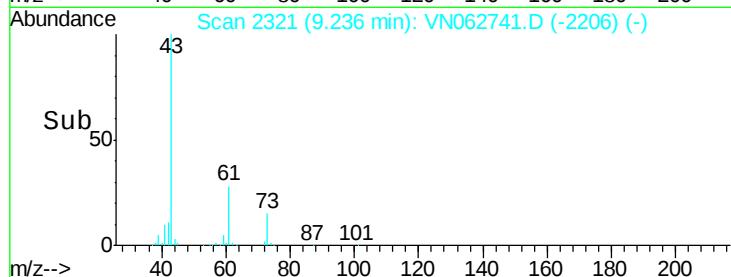
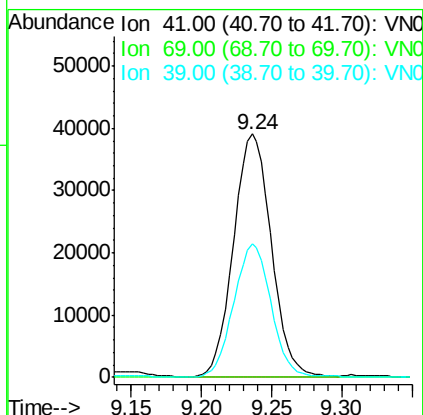
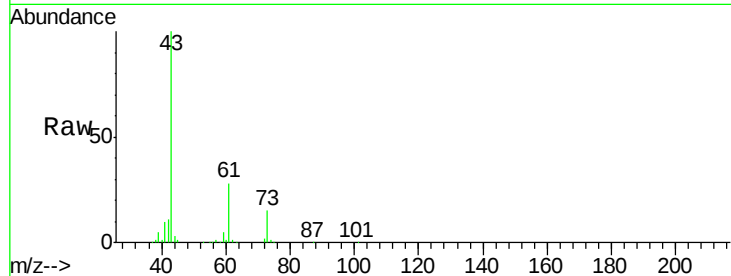




#48
Methvl methacrylate
Concen: 39.329 ug/l
RT: 9.24 min Scan# 2321
Delta R.T. 0.07 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

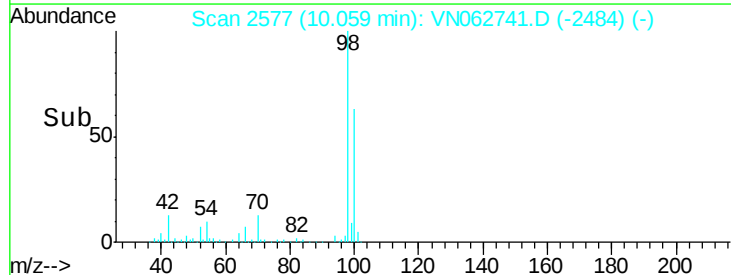
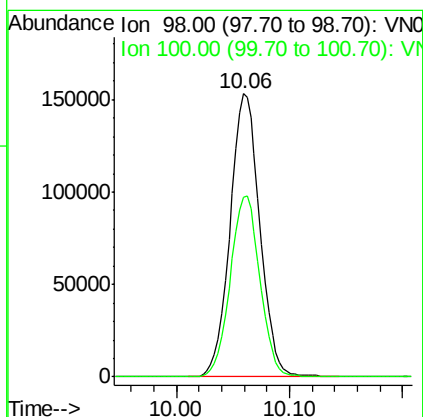
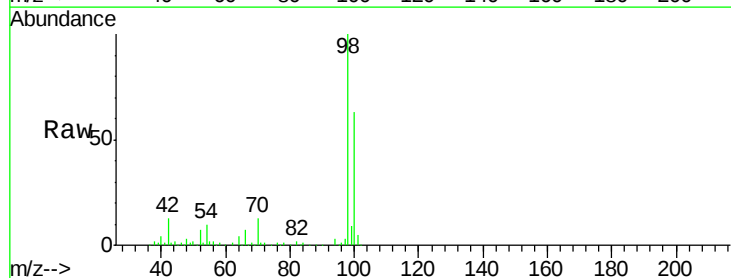
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#03

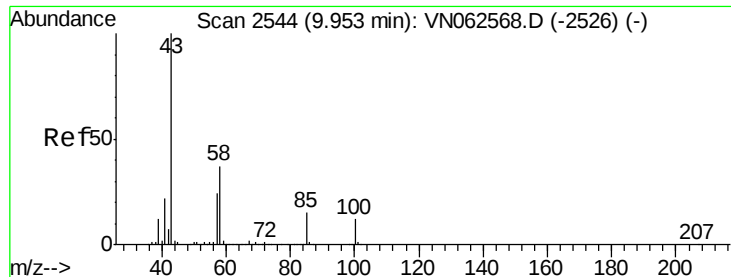
Tot Ion: 41 Resp: 73684
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 54.1 43.5 65.3



#50
Toluene-d8
Concen: 50.235 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Tgt Ion: 98 Resp: 280144
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.999 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

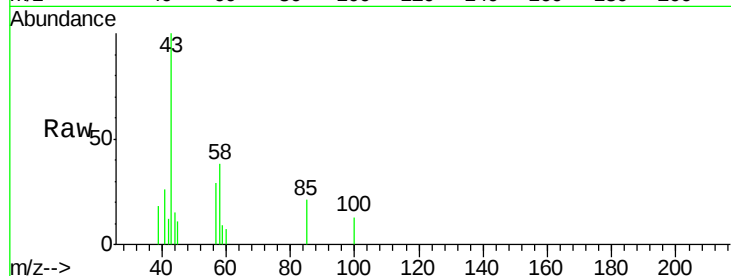
PB130675ZHE#03

Tot Ion: 43 Resp: 4714

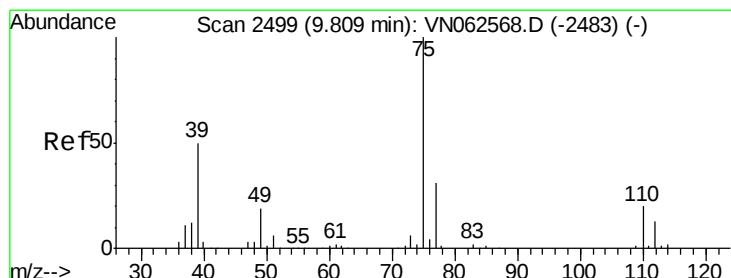
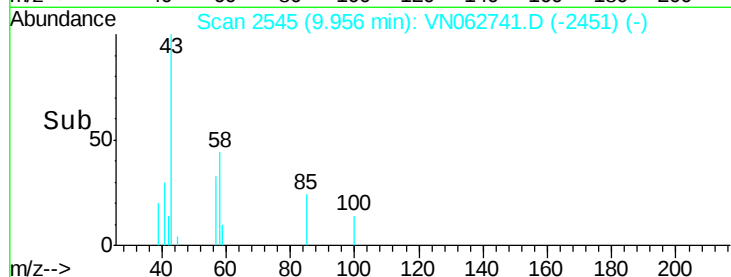
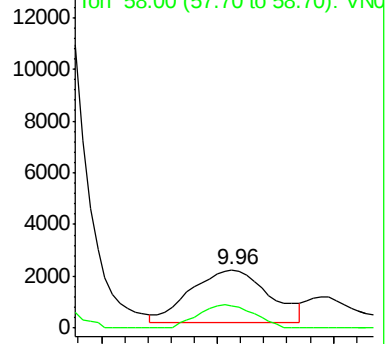
Ion Ratio Lower Upper

43 100

58 32.1 29.8 44.6



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



#54

cis-1,3-Dichloropropene

Concen: 6.168 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

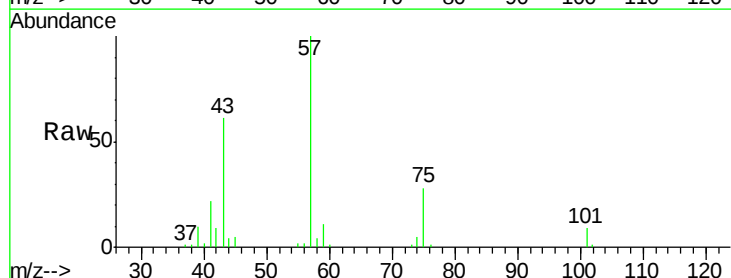
Tgt Ion: 75 Resp: 17786

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

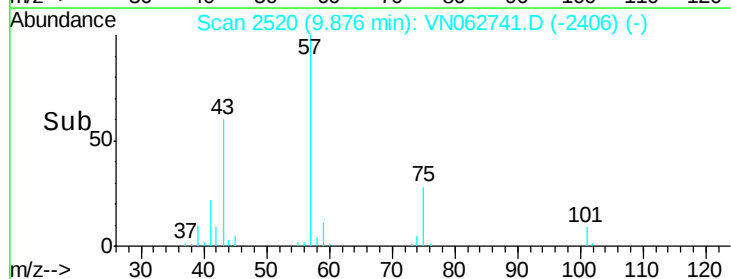
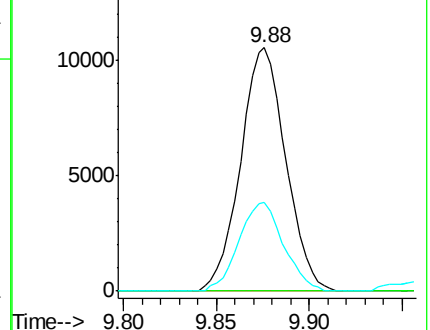
39 36.2 39.8 59.8#

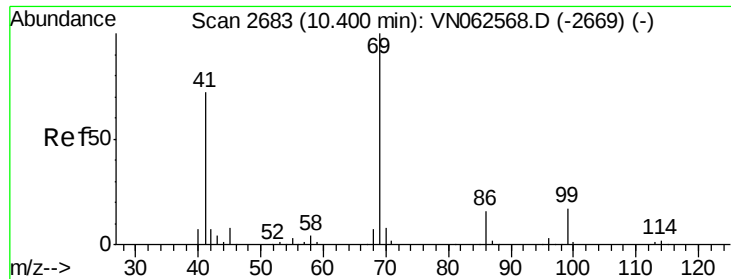


Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-2483) (-)

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

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





#56

Ethyl methacrylate

Concen: 2.054 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#03

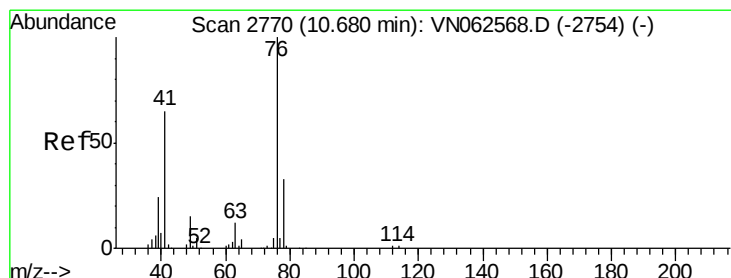
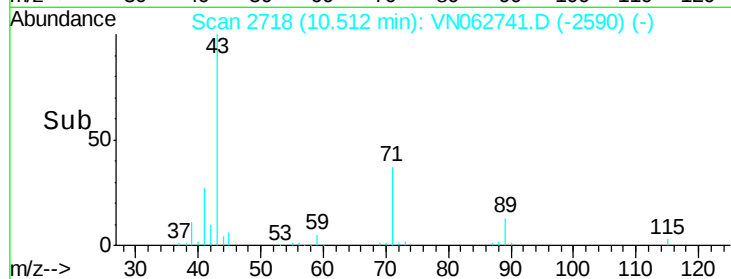
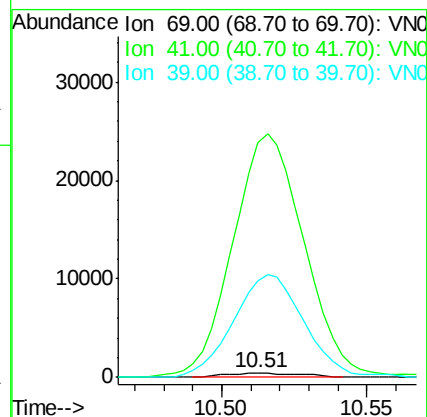
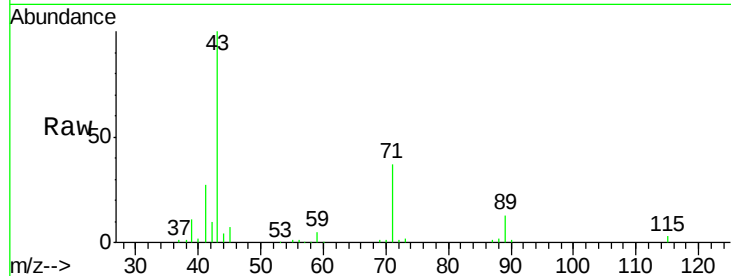
Tot Ion: 69 Resp: 821

Ion Ratio Lower Upper

69 100

41 5169.7 57.2 85.8#

39 2127.6 28.6 43.0#



#57

1,3-Dichloropropane

Concen: 1.158 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062741.D

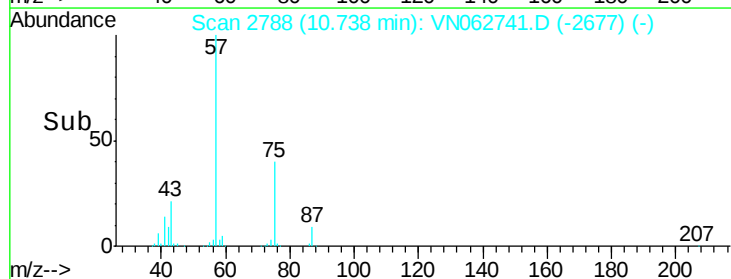
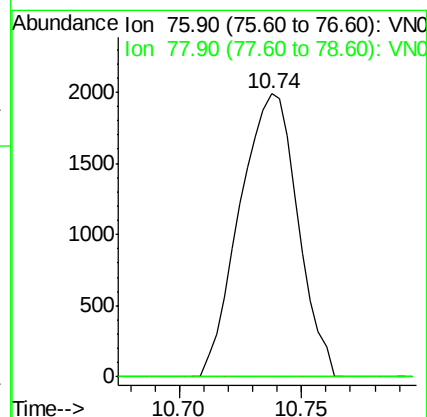
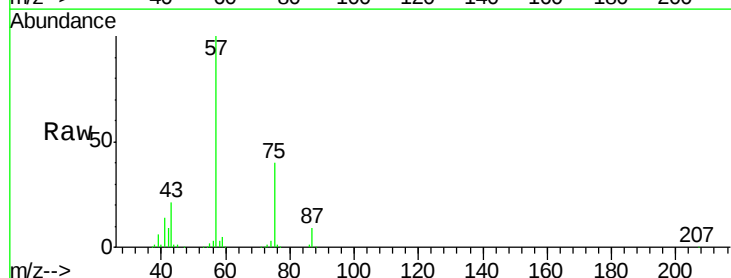
Acq: 3 Aug 2020 17:26

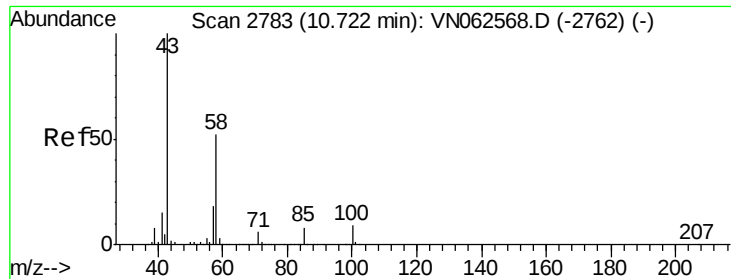
Tgt Ion: 76 Resp: 3280

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

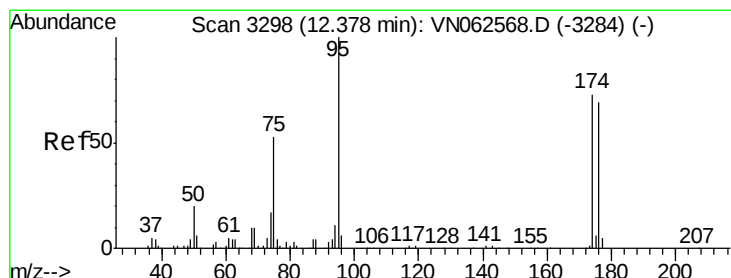
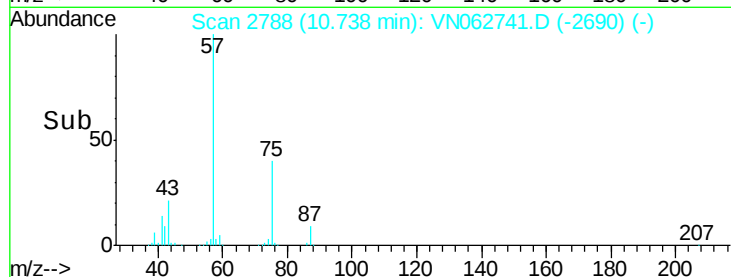
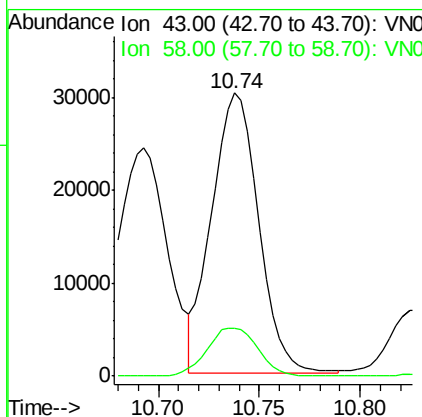
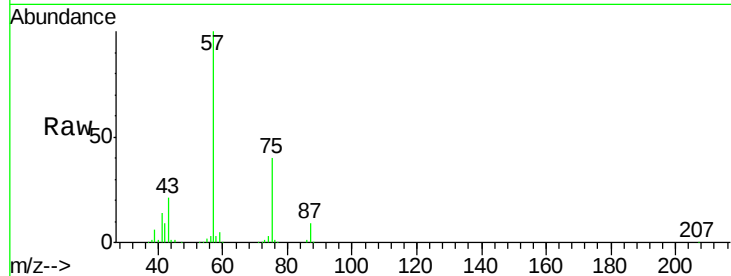




#59
2-Hexanone
Concen: 29.475 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

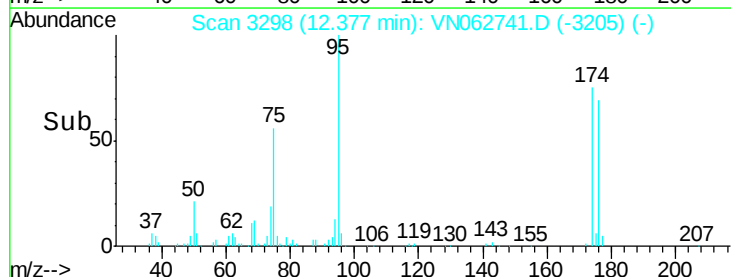
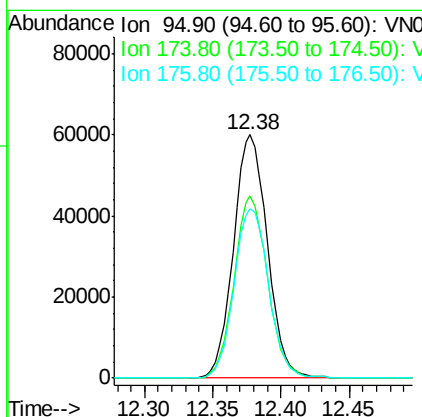
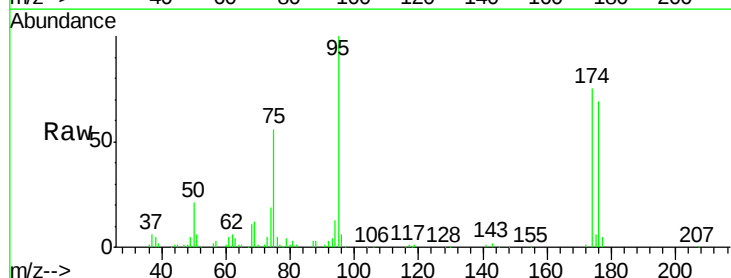
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#03

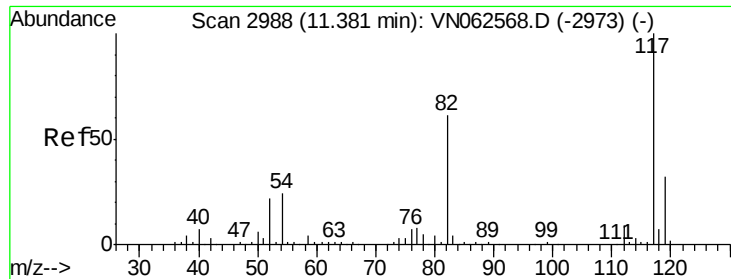
Tot Ion: 43 Resp: 48938
Ion Ratio Lower Upper
43 100
58 18.4 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 50.889 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062741.D
Acq: 3 Aug 2020 17:26

Tgt Ion: 95 Resp: 103766
Ion Ratio Lower Upper
95 100
174 74.2 0.0 144.6
176 71.0 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#03

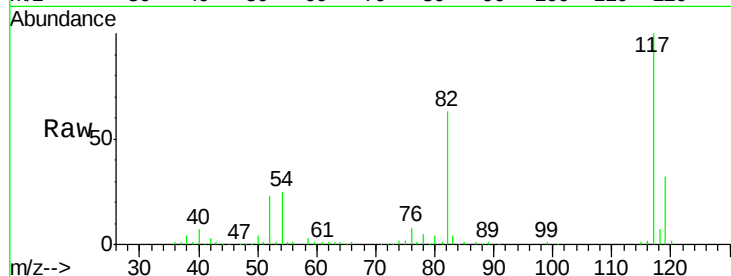
Tot Ion:117 Resp: 214117

Ion Ratio Lower Upper

117 100

82 62.8 49.0 73.6

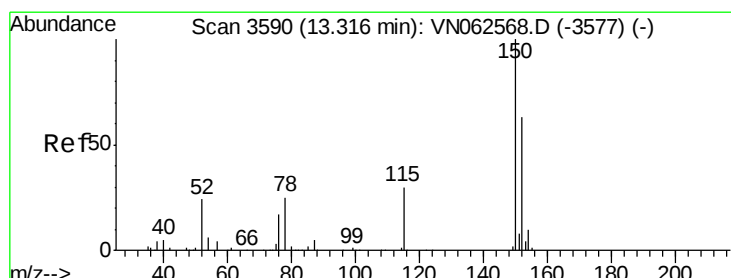
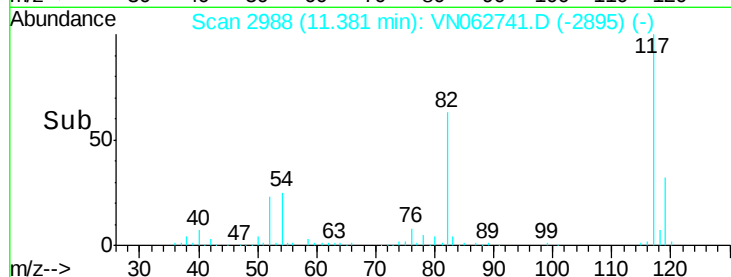
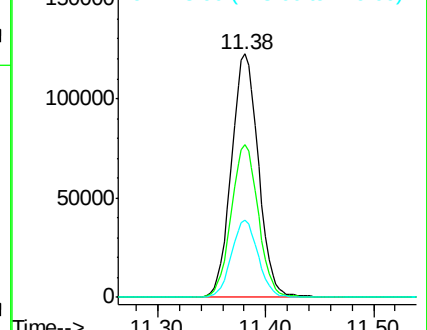
119 31.7 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

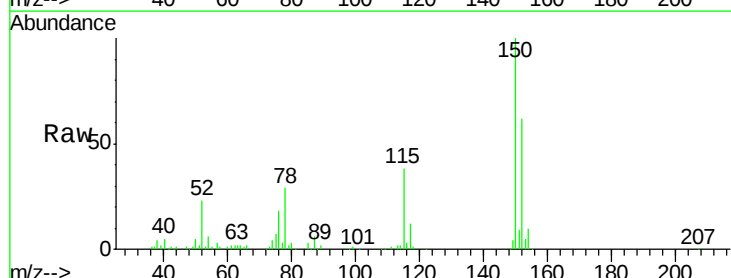
Tgt Ion:152 Resp: 79894

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

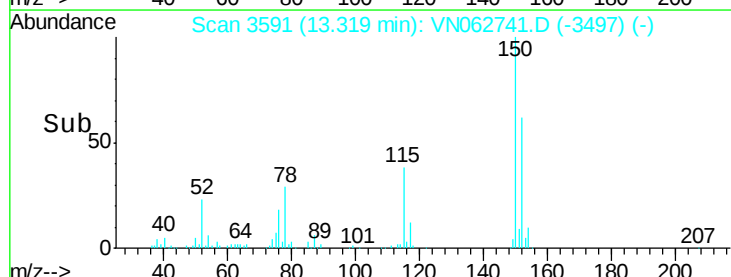
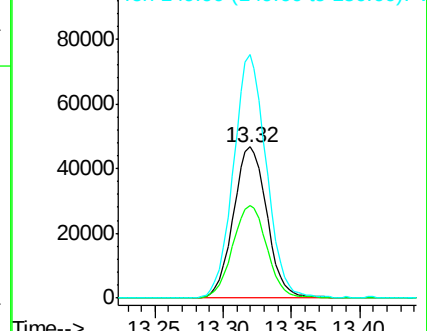
150 157.3 0.0 351.4

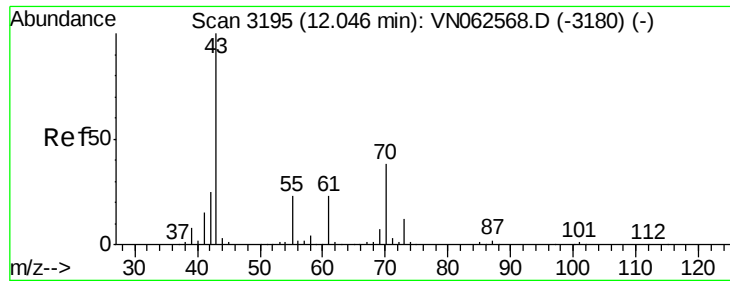


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.667 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#03

Tot Ion: 43 Resp: 1881

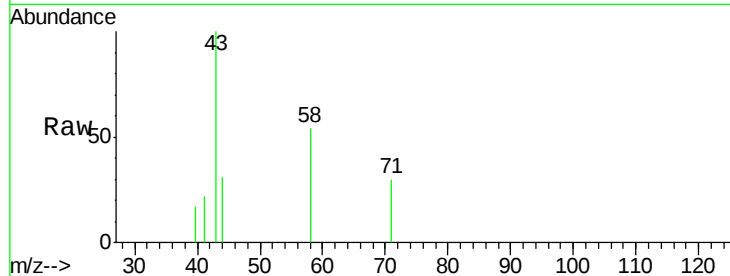
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

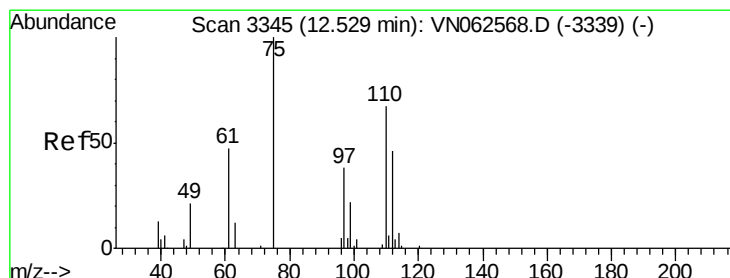
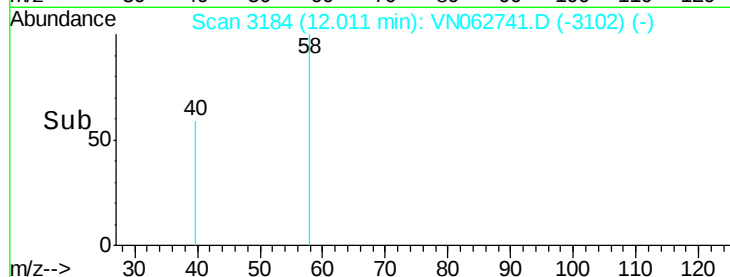
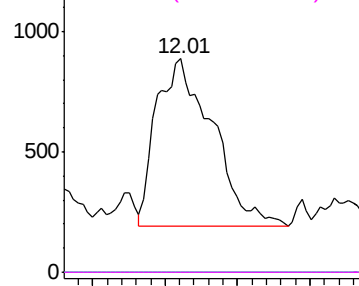


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 28.864 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062741.D

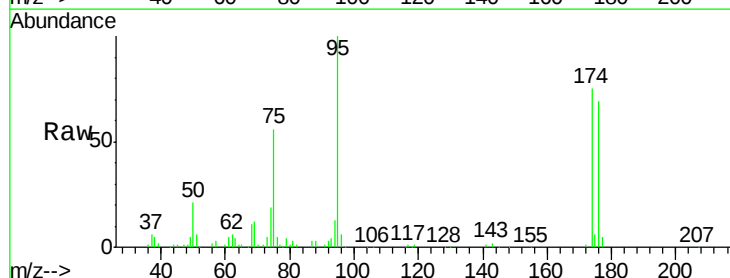
Acq: 3 Aug 2020 17:26

Tgt Ion: 75 Resp: 58698

Ion Ratio Lower Upper

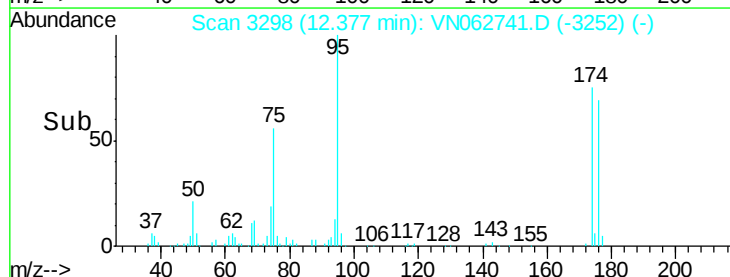
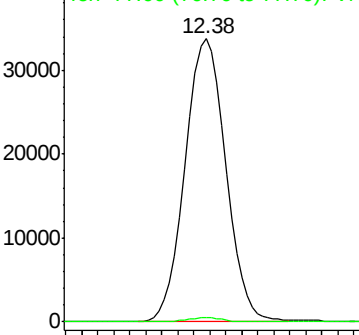
75 100

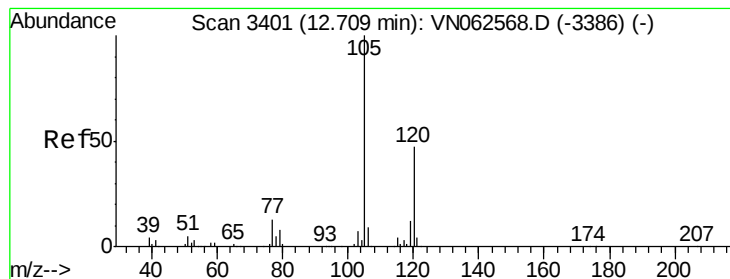
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.540 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

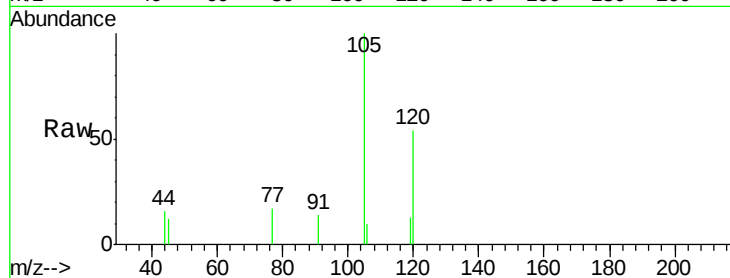
PB130675ZHE#03

Tot Ion:105 Resp: 2828

Ion Ratio Lower Upper

105 100

120 48.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000

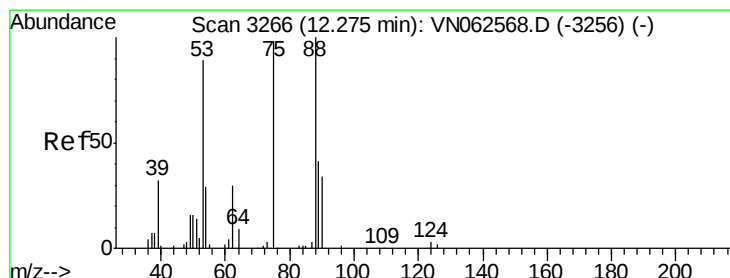
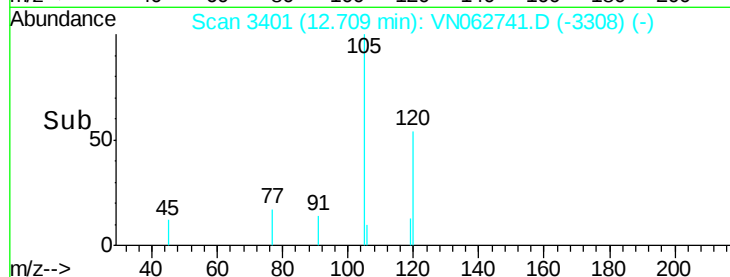
1500

1000

500

0

Time--> 12.65 12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 80.351 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

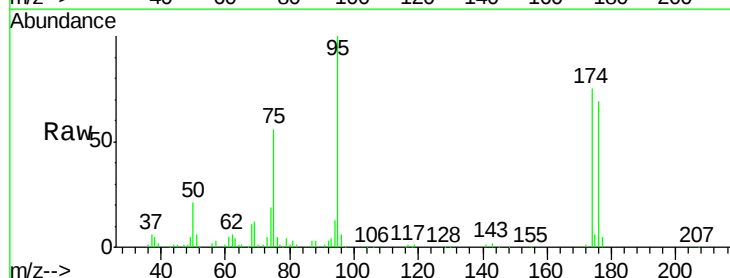
Tgt Ion: 75 Resp: 58698

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

40000

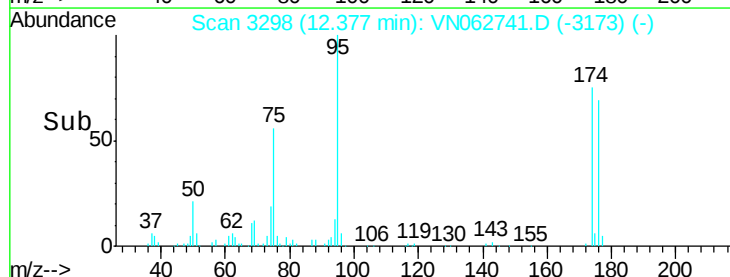
30000

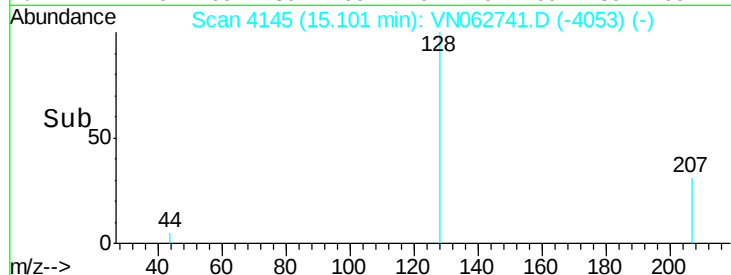
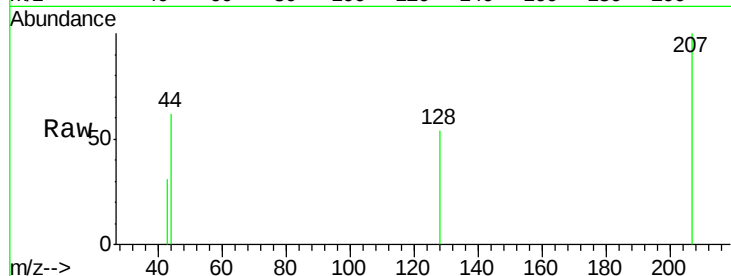
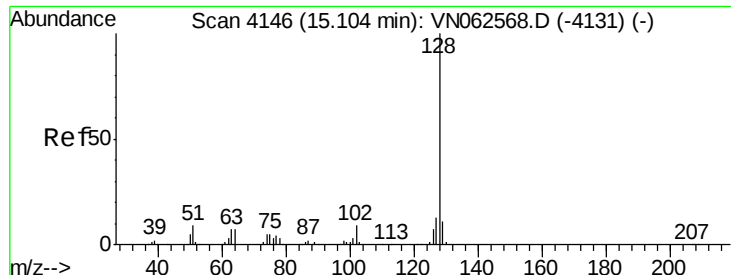
20000

10000

0

Time--> 12.30 12.35 12.40 12.45





#95

Naphthalene

Concen: 3.832 ug/l

RT: 15.10 min Scan# 4145

Delta R.T. -0.00 min

Lab File: VN062741.D

Acq: 3 Aug 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#03

Tot Ion:128 Resp: 271

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

