

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062740.D
 Acq On : 3 Aug 2020 17:02
 Operator : JC/MD
 Sample : PB130675ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#02

Quant Time: Aug 04 03:33:52 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	120227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	217244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	104897	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
35) Dibromofluoromethane	7.55	113	71662	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.06	98	285136	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.38	95	105457	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

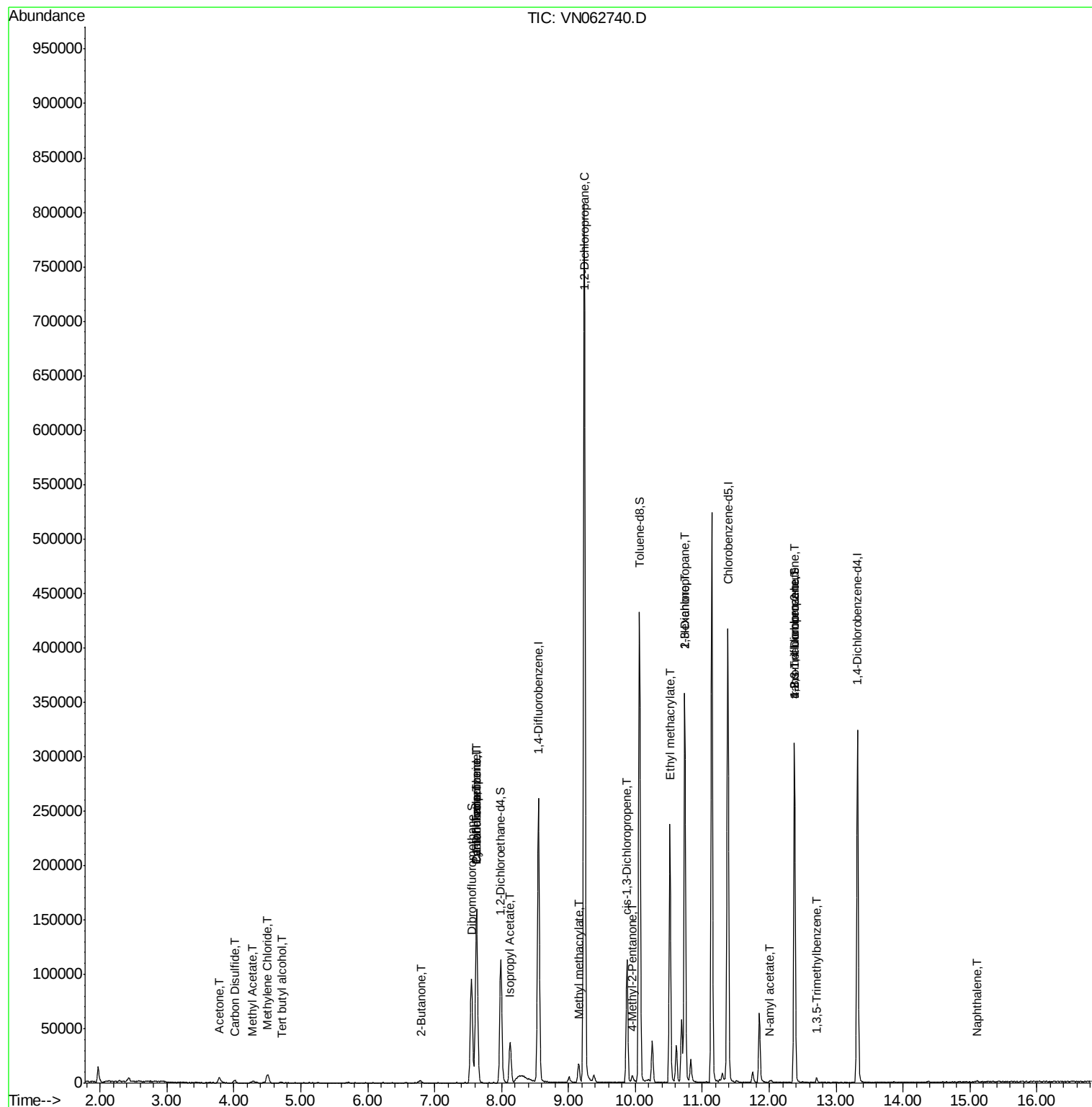
Target Compounds						Qvalue
11) Tert butyl alcohol	4.73	59	102	0.343	ug/l #	73
16) Acetone	3.78	43	9057	12.887	ug/l	97
17) Carbon Disulfide	4.02	76	4411	1.043	ug/l #	75
18) Methyl Acetate	4.29	43	3961	2.226	ug/l #	88
20) Methylene Chloride	4.51	84	5888	3.493	ug/l #	86
25) 2-Butanone	6.79	43	1330	1.243	ug/l #	52
31) Cyclohexane	7.63	56	2826	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10923	4.717	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13005	5.843	ug/l #	16
43) Isopropyl Acetate	8.13	43	44853	11.147	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	776	0.394	ug/l #	44
48) Methyl methacrylate	9.15	41	2413	1.261	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4362	1.812	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	18226	6.191	ug/l #	68
56) Ethyl methacrylate	10.51	69	1105	2.145	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3577	1.237	ug/l #	42
59) 2-Hexanone	10.74	43	54029	31.632	ug/l #	52
74) N-amyl acetate	12.00	43	1742	0.597	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	60290	28.649	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3045	0.562	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.38	75	60290	79.752	ug/l #	12
95) Naphthalene	15.11	128	1083	4.034	ug/l #	69

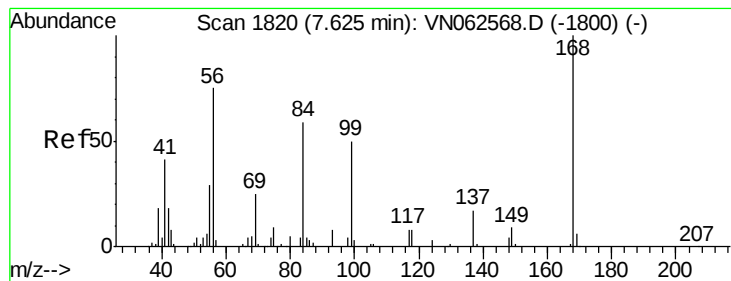
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

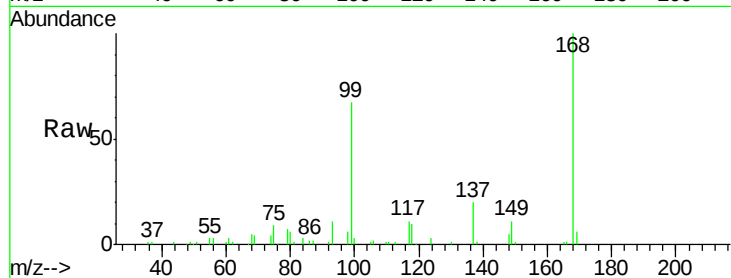
PB130675ZHE#02

Tot Ion:168 Resp: 120227

Ion Ratio Lower Upper

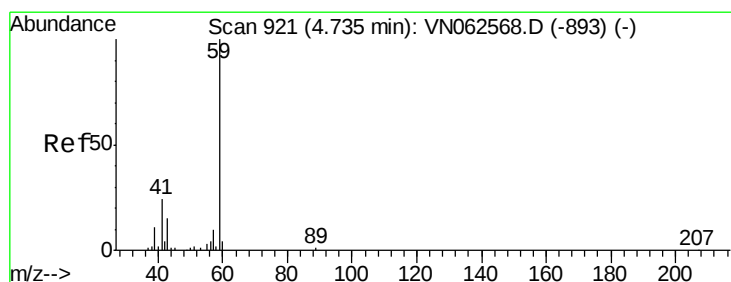
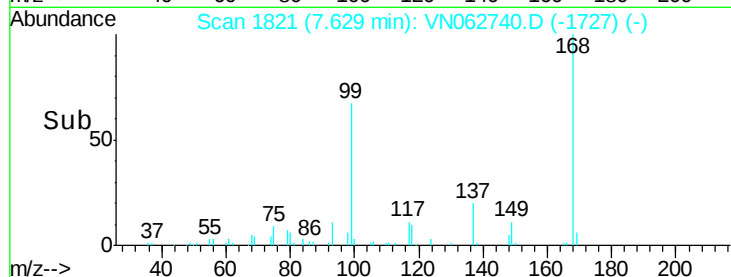
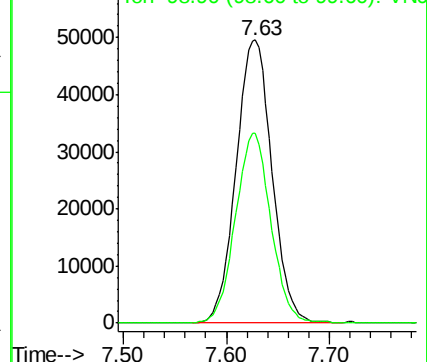
168 100

99 67.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.343 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN062740.D

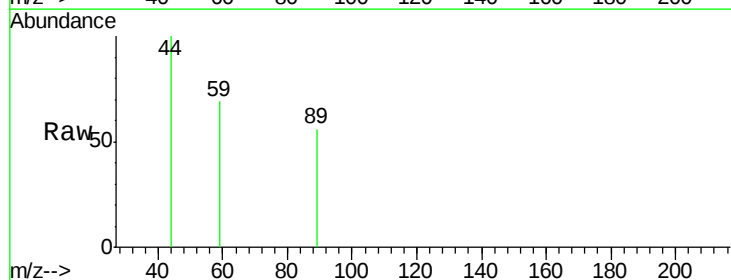
Acq: 3 Aug 2020 17:02

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

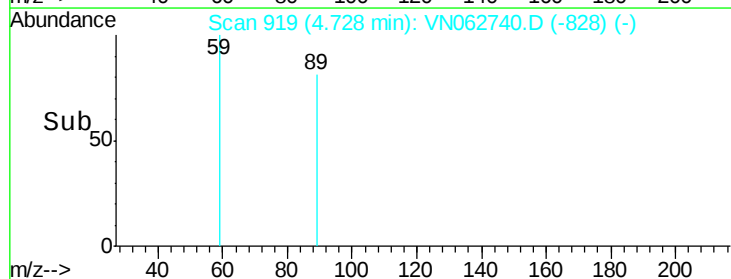
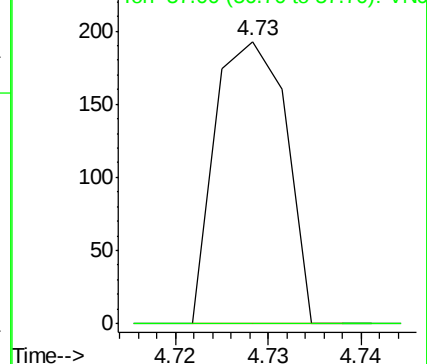
59 100

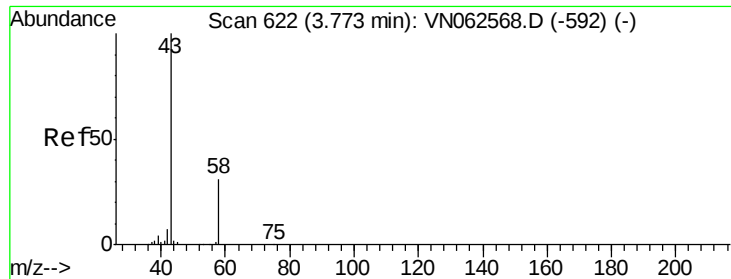
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

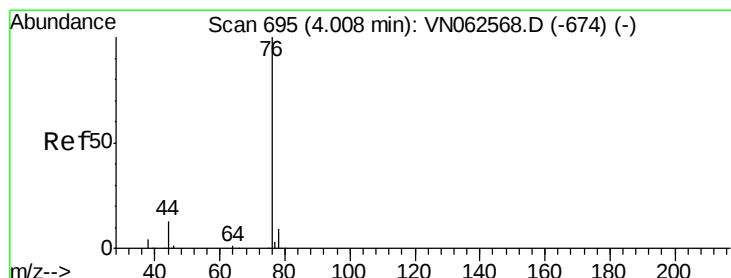
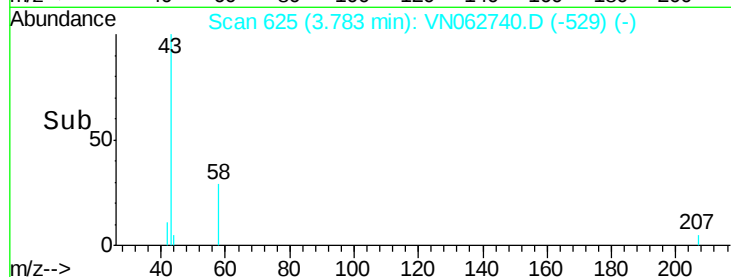
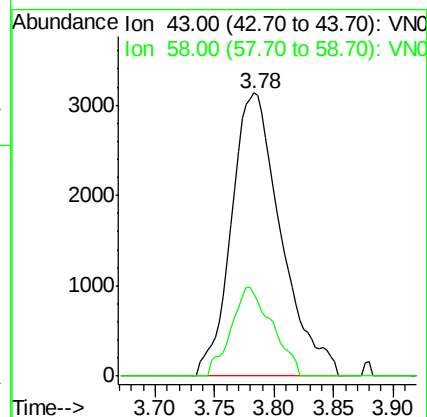
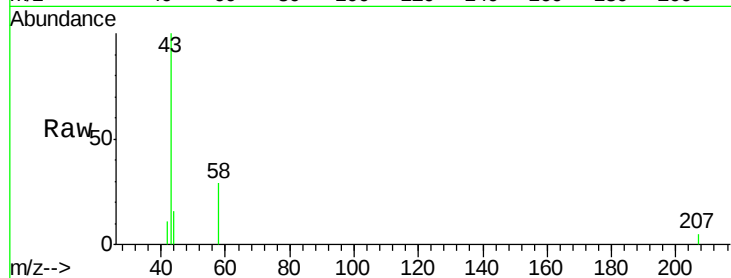




#16
Acetone
Concen: 12.887 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

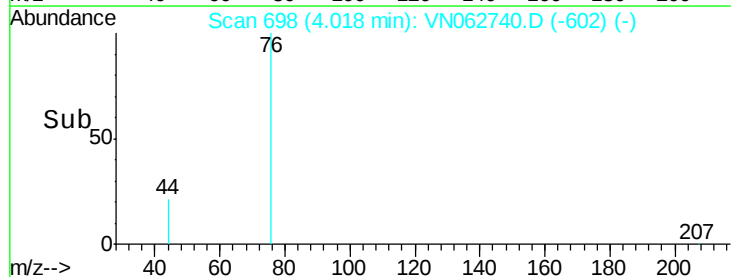
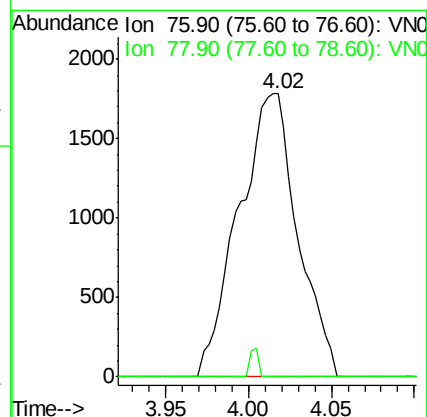
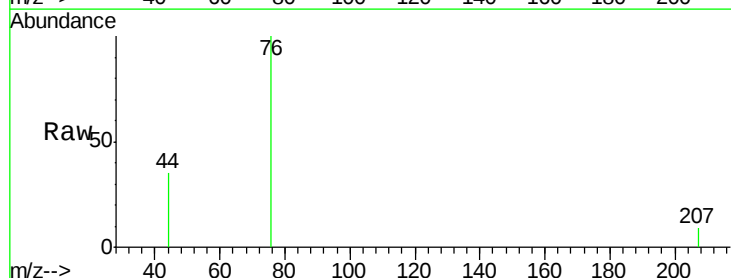
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#02

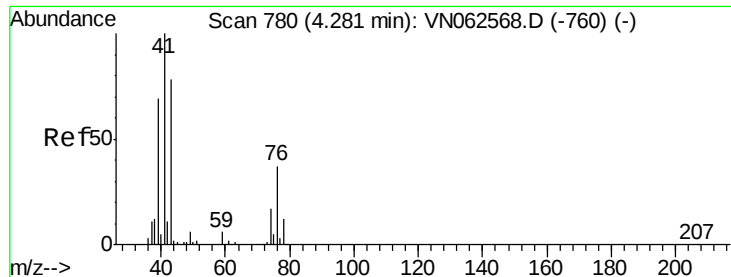
Tot Ion: 43 Resp: 9057
Ion Ratio Lower Upper
43 100
58 29.2 24.6 37.0



#17
Carbon Disulfide
Concen: 1.043 ug/l
RT: 4.02 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

Tgt Ion: 76 Resp: 4411
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

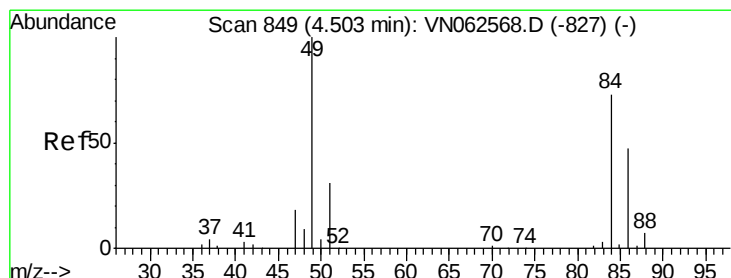
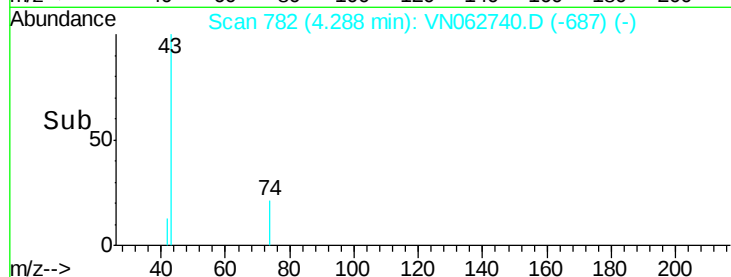
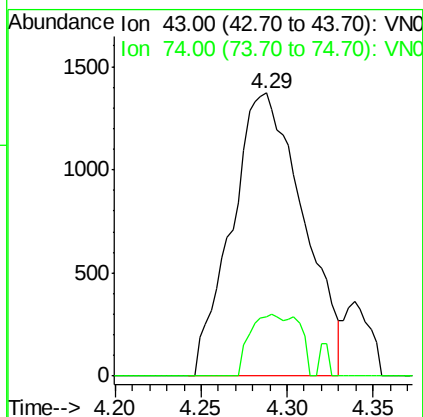
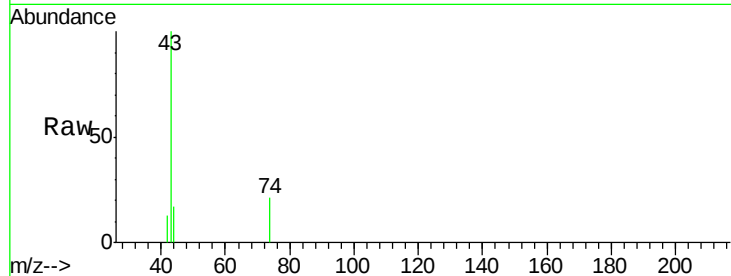




#18
Methyl Acetate
Concen: 2.226 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

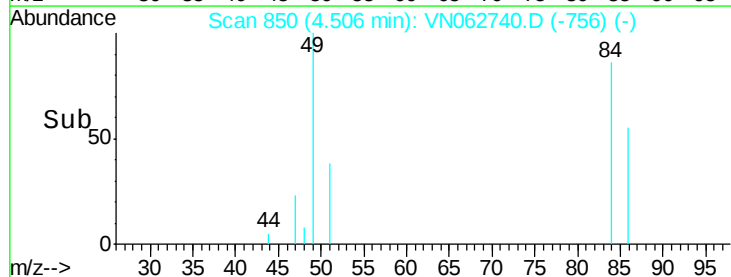
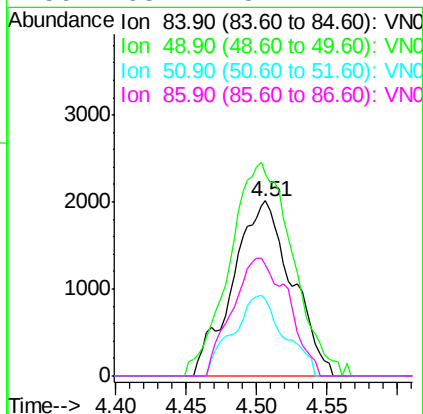
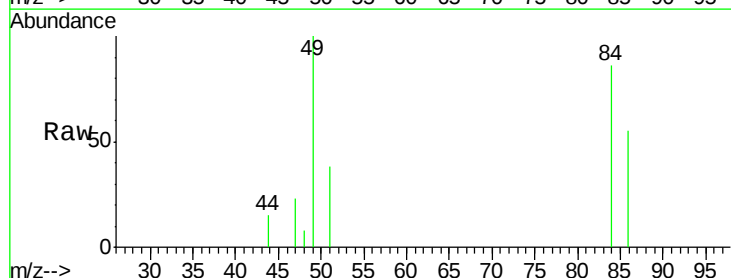
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#02

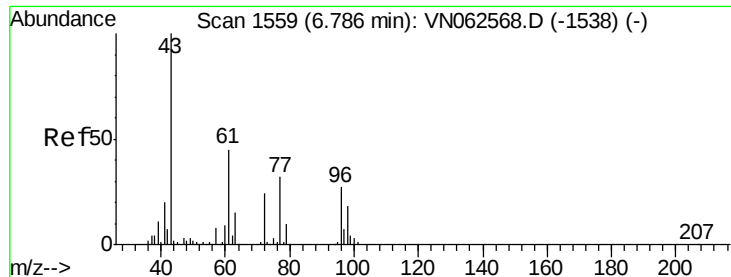
Tot Ion: 43 Resp: 3961
Ion Ratio Lower Upper
43 100
74 14.9 16.6 24.8#



#20
Methylene Chloride
Concen: 3.493 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

Tgt Ion: 84 Resp: 5888
Ion Ratio Lower Upper
84 100
49 108.1 109.4 164.0#
51 44.1 33.6 50.4
86 63.7 51.4 77.2





#25

2-Butanone

Concen: 1.243 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

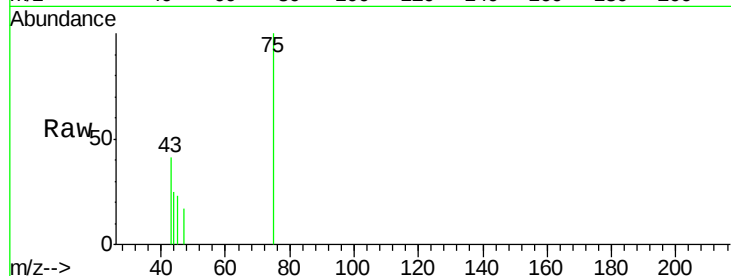
PB130675ZHE#02

Tot Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

400

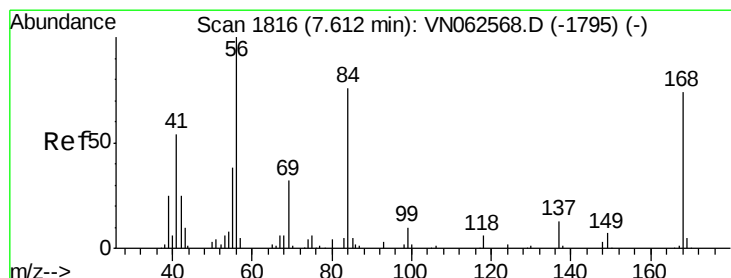
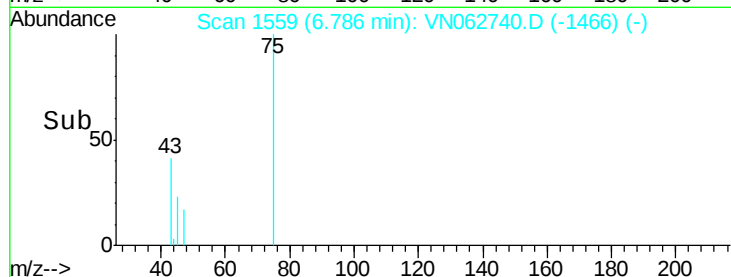
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

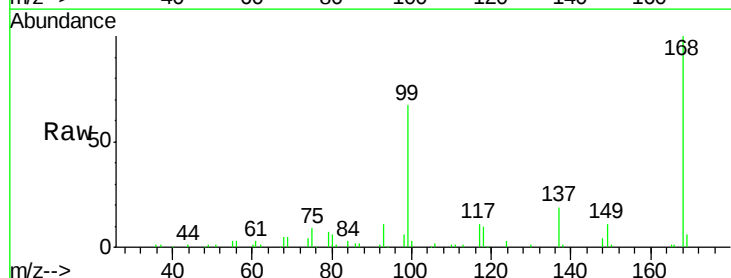
Tgt Ion: 56 Resp: 2826

Ion Ratio Lower Upper

56 100

69 158.7 25.3 37.9#

84 119.7 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

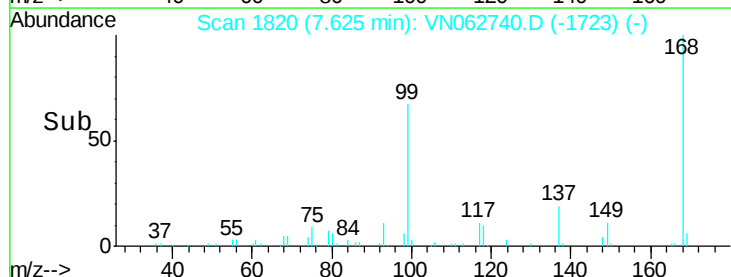
3000

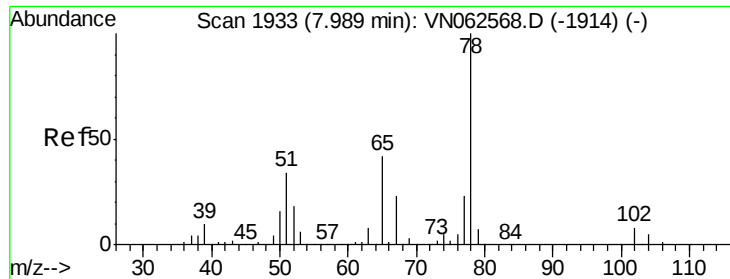
2000

1000

0

Time-->

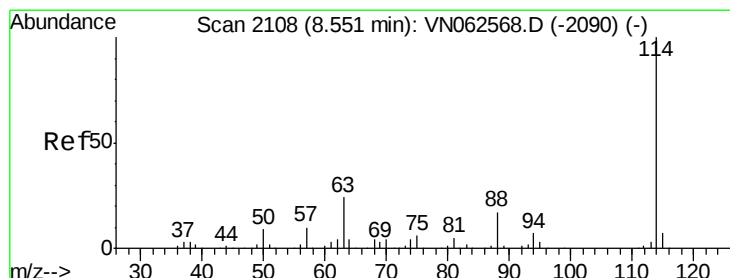
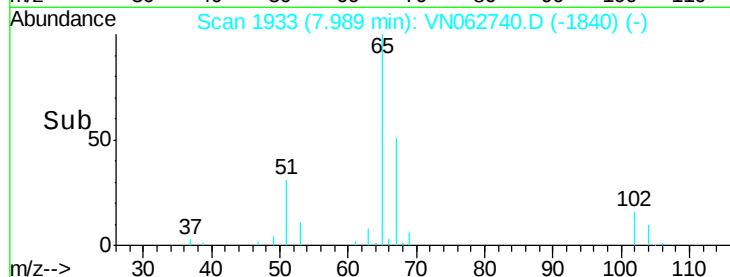
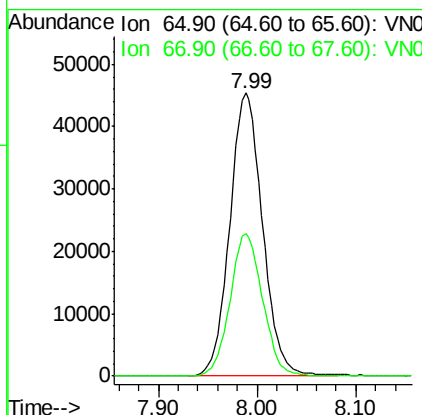
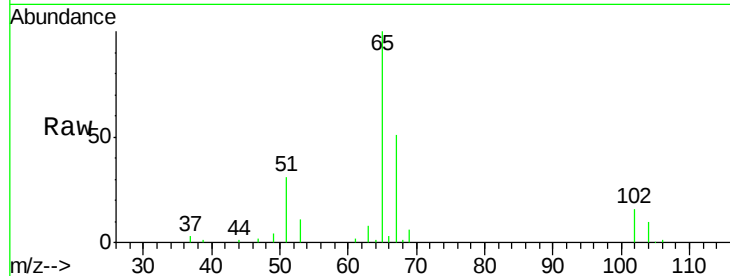




#33
 1,2-Dichloroethane-d4
 Concen: 56.165 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

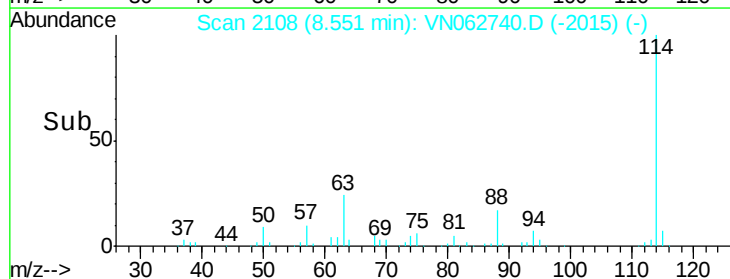
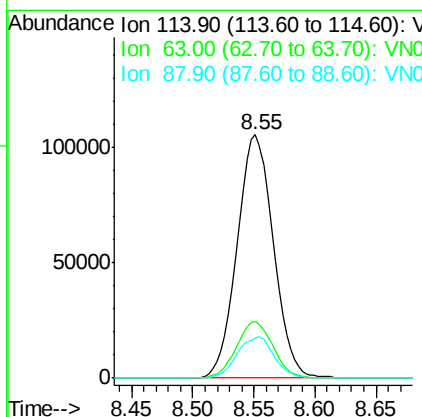
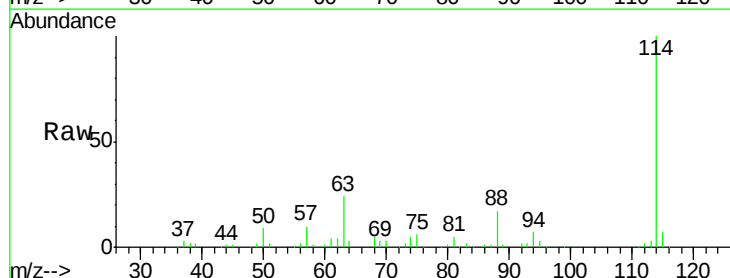
Instrument :
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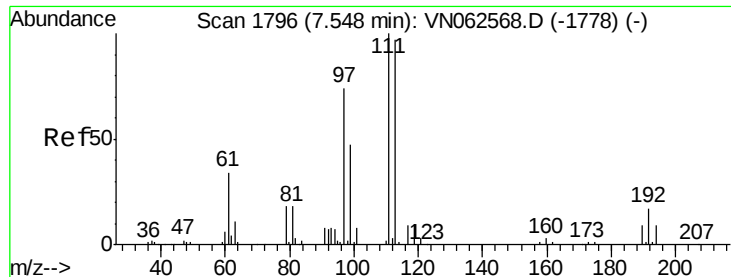
Tot Ion: 65 Resp: 104897
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

Tgt Ion: 114 Resp: 217244
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.4
 88 16.7 0.0 33.8

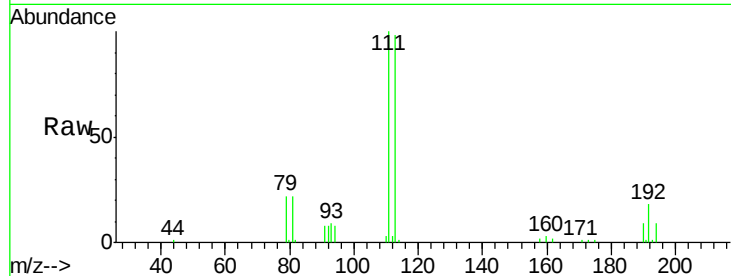




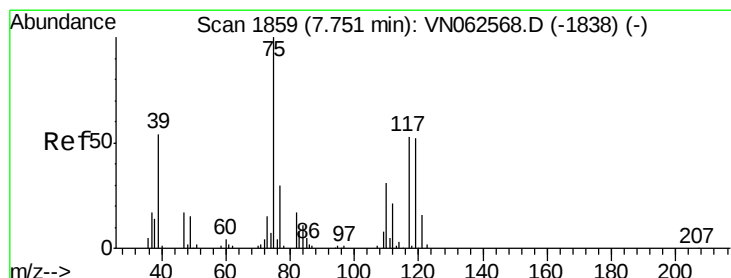
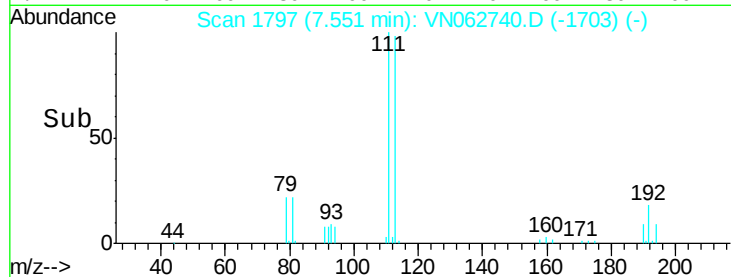
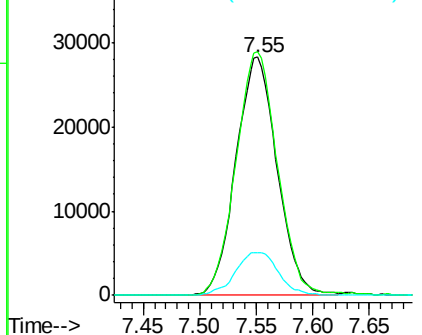
#35
 Dibromofluoromethane
 Concen: 50.219 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#02

Tot Ion:113 Resp: 71662
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.7 124.1
 192 18.8 14.8 22.2

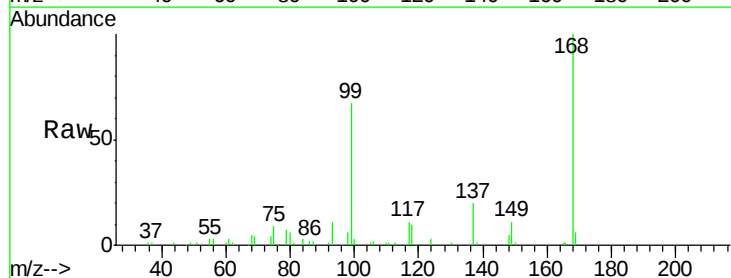


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

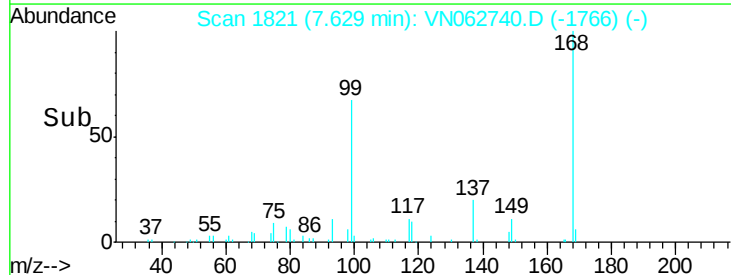
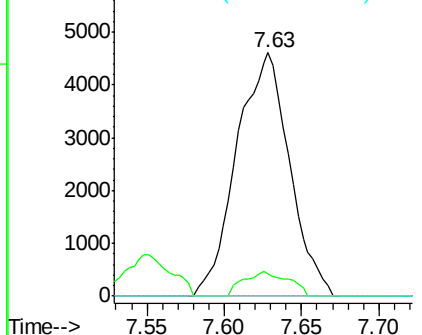


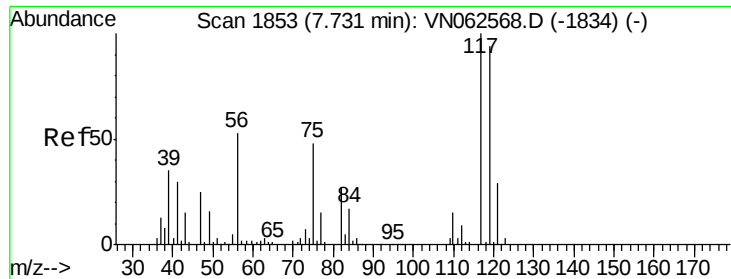
#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

Tgt Ion: 75 Resp: 10923
 Ion Ratio Lower Upper
 75 100
 110 8.6 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





#38

Carbon Tetrachloride

Concen: 5.843 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#02

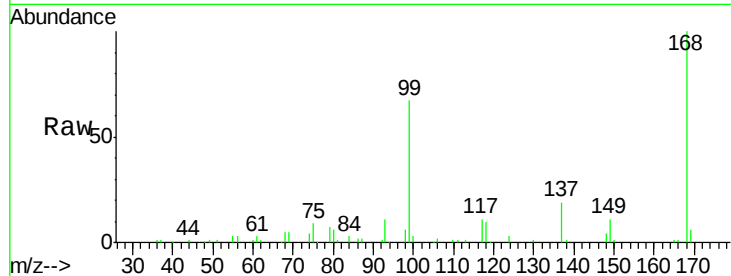
Tot Ion:117 Resp: 13005

Ion Ratio Lower Upper

117 100

119 4.3 74.8 112.2#

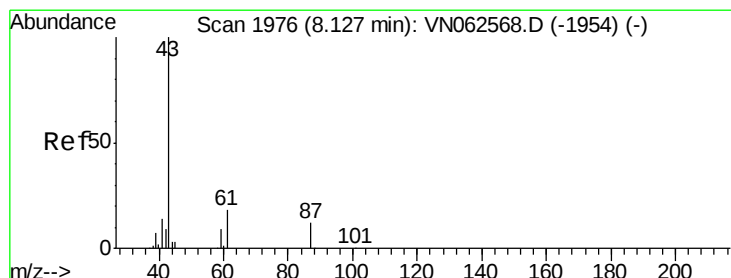
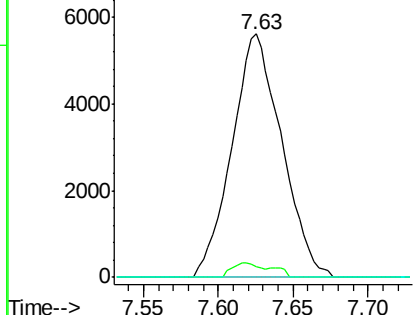
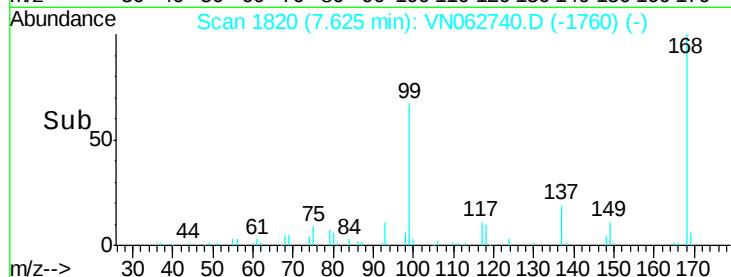
121 0.0 23.0 34.6#



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: 11.147 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

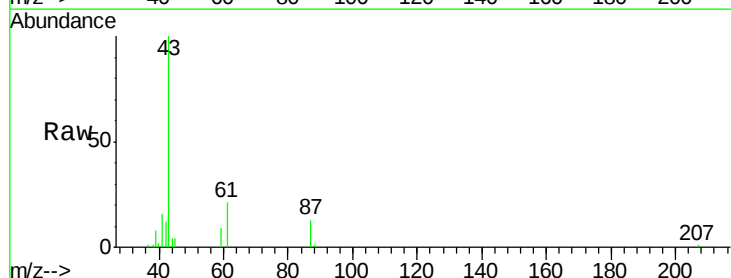
Tgt Ion: 43 Resp: 44853

Ion Ratio Lower Upper

43 100

61 19.5 20.8 31.2#

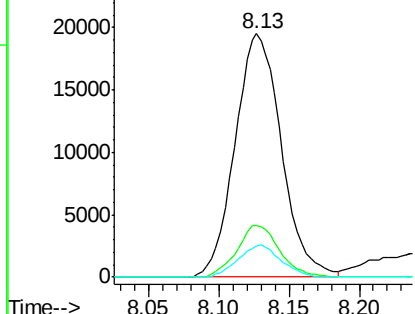
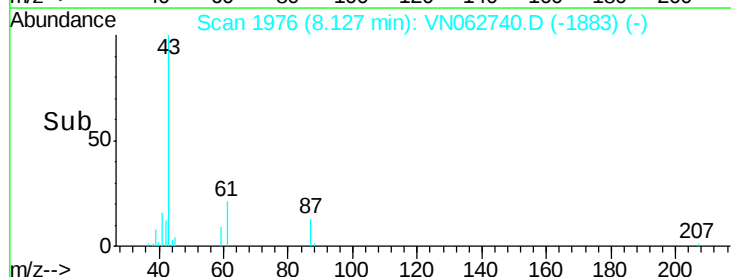
87 11.9 9.2 13.8

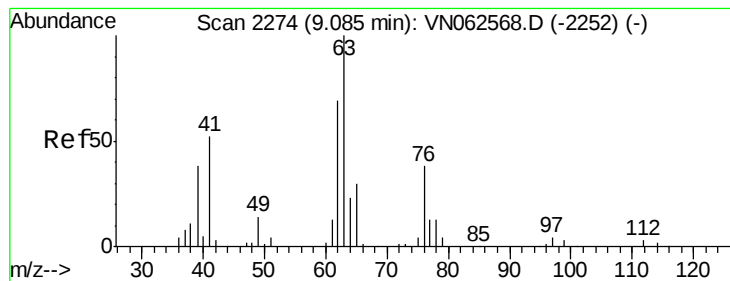


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.394 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

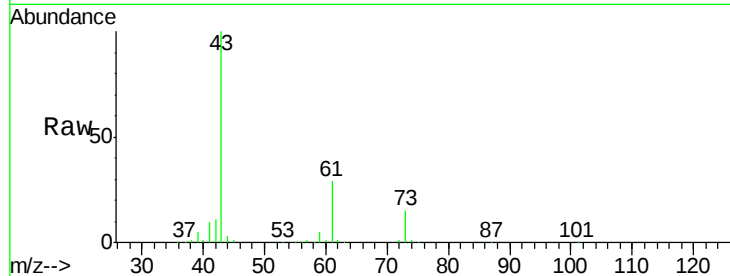
PB130675ZHE#02

Tot Ion: 63 Resp: 776

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.24

600

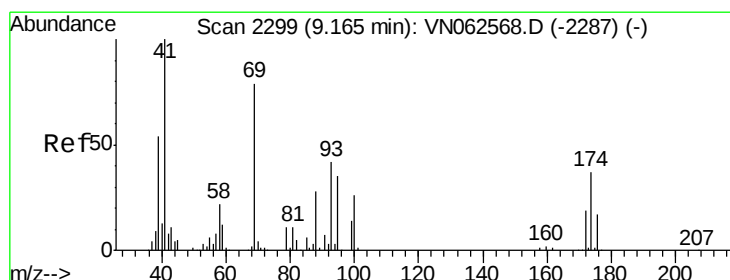
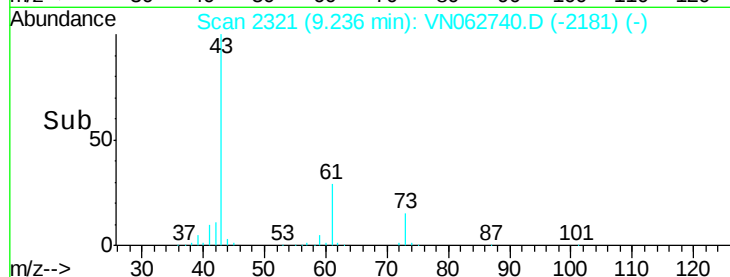
400

200

0

9.20 9.22 9.24 9.26

Time-->



#48

Methyl methacrylate

Concen: 1.261 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.02 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

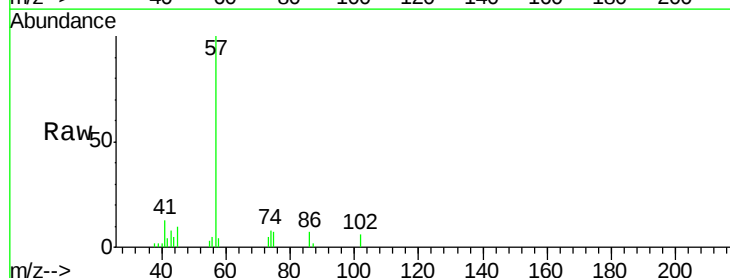
Tgt Ion: 41 Resp: 2413

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

30000

25000

20000

15000

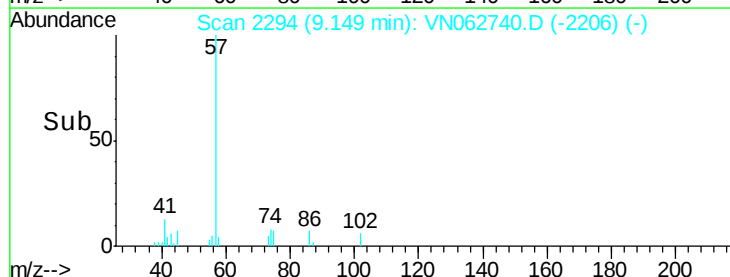
10000

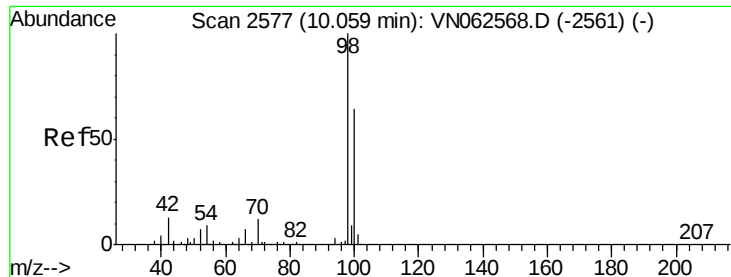
5000

0

9.10 9.15 9.20

Time-->

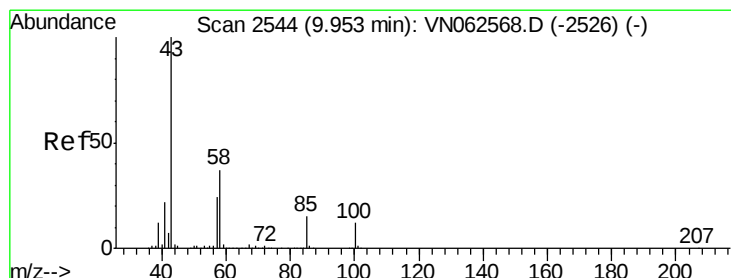
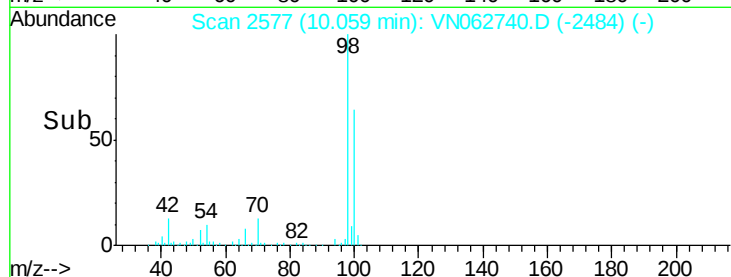
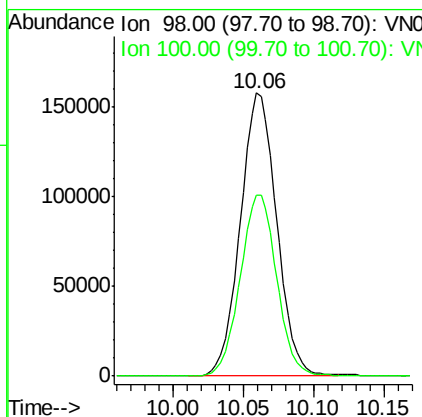
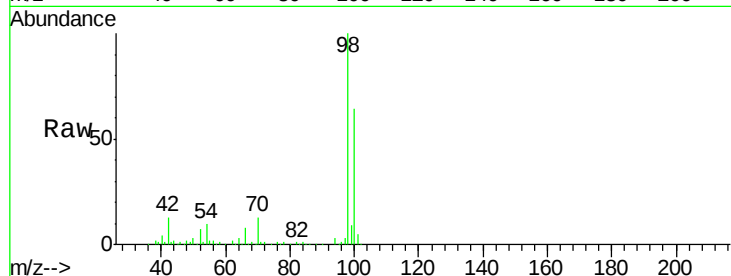




#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

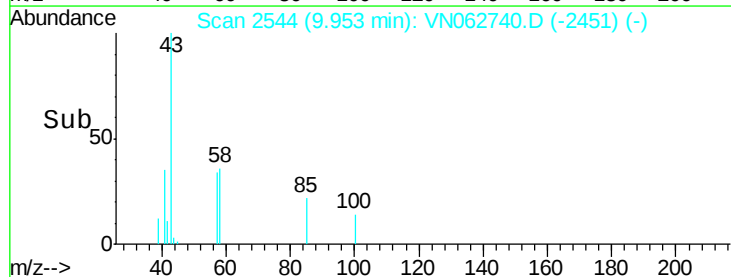
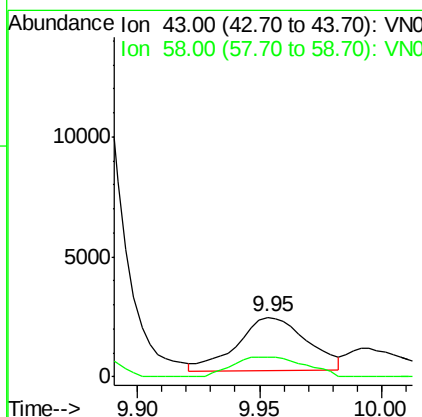
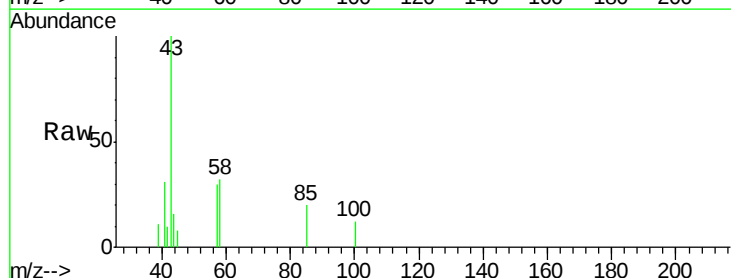
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#02

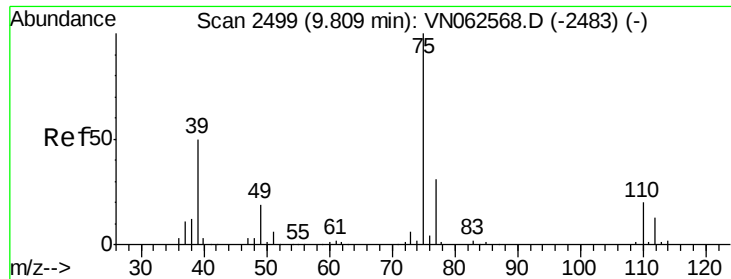
Tot Ion: 98 Resp: 285136
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.812 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

Tgt Ion: 43 Resp: 4362
Ion Ratio Lower Upper
43 100
58 39.2 29.8 44.6

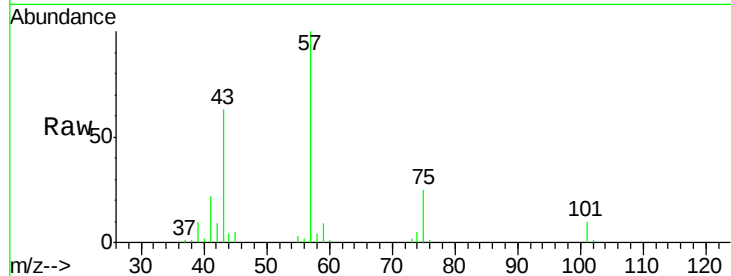




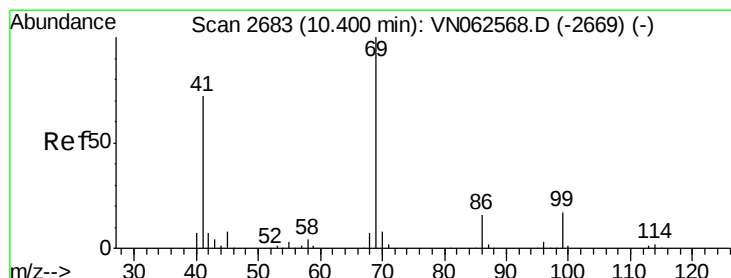
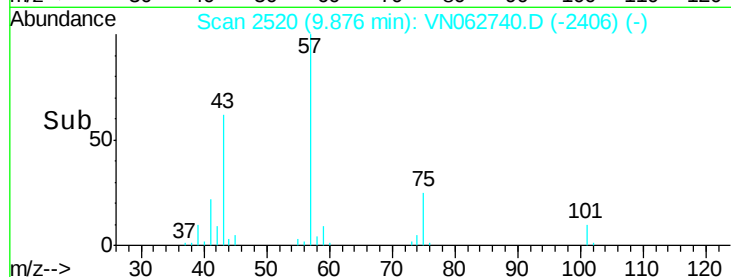
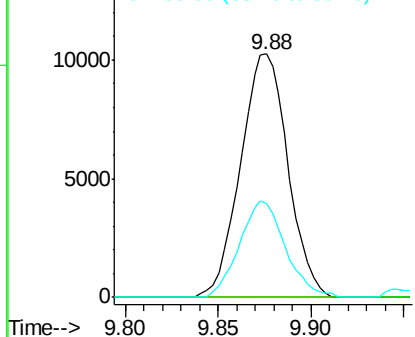
#54
 cis-1,3-Dichloropropene
 Concen: 6.191 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#02

Tot Ion: 75 Resp: 18226
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 38.4 39.8 59.8#

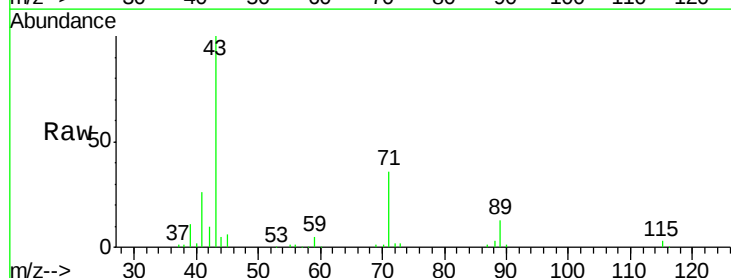


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

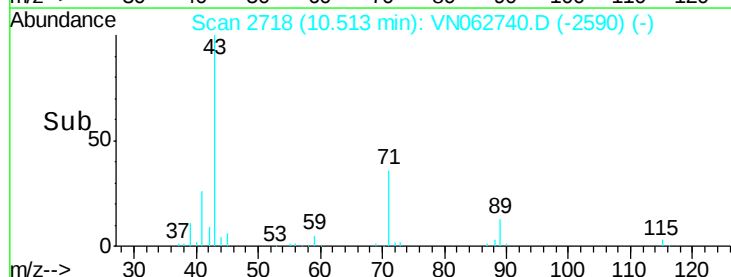
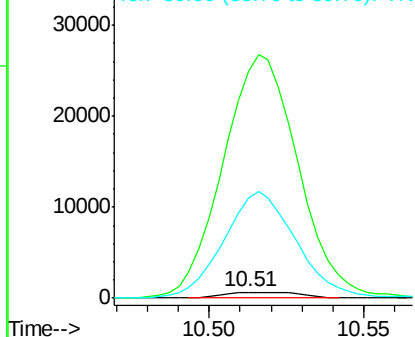


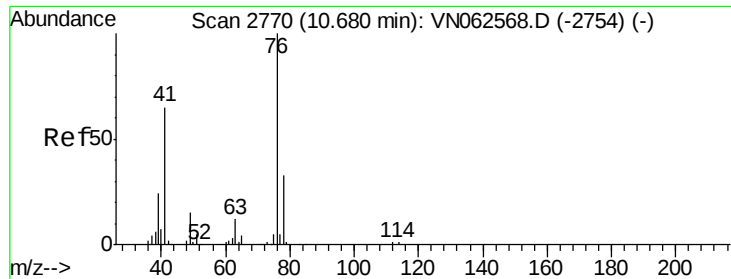
#56
 Ethyl methacrylate
 Concen: 2.145 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

Tgt Ion: 69 Resp: 1105
 Ion Ratio Lower Upper
 69 100
 41 4108.7 57.2 85.8#
 39 1737.2 28.6 43.0#



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

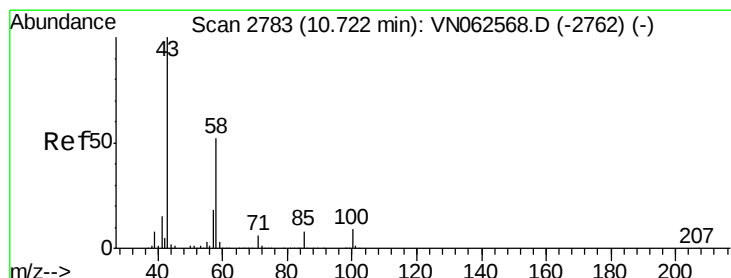
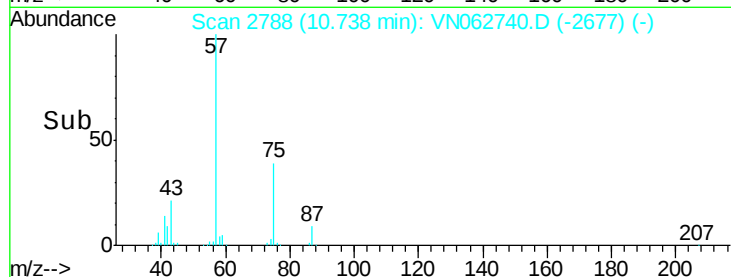
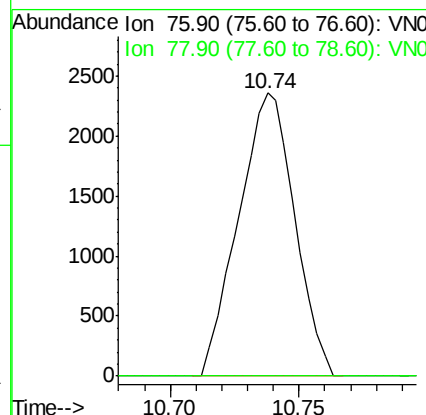
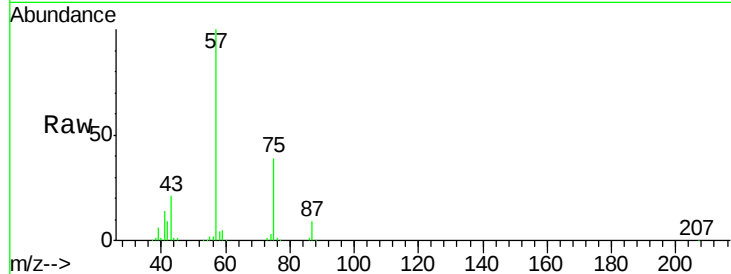




#57
 1,3-Dichloropropane
 Concen: 1.237 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

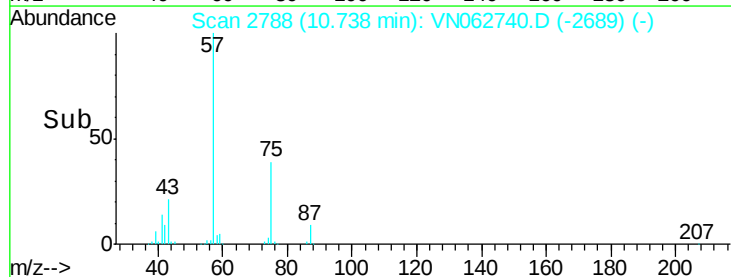
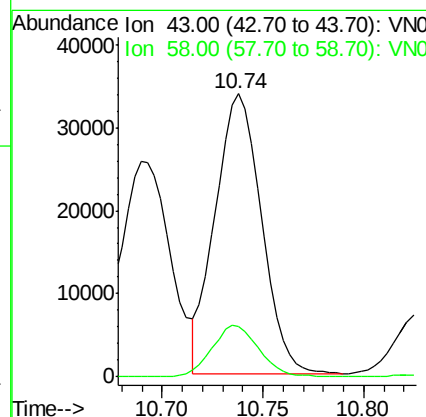
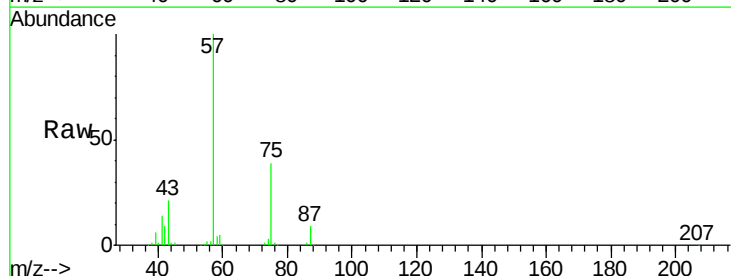
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130675ZHE#02

Tot Ion: 76 Resp: 3577
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 31.632 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062740.D
 Acq: 3 Aug 2020 17:02

Tgt Ion: 43 Resp: 54029
 Ion Ratio Lower Upper
 43 100
 58 18.6 26.0 78.0#

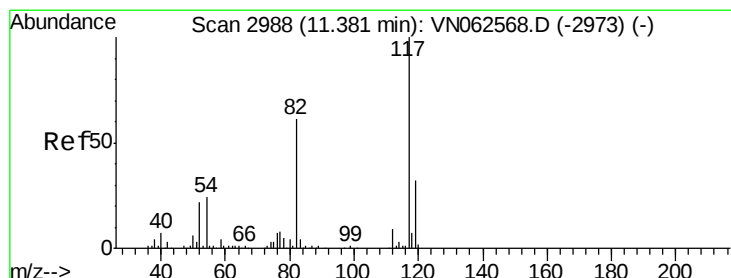
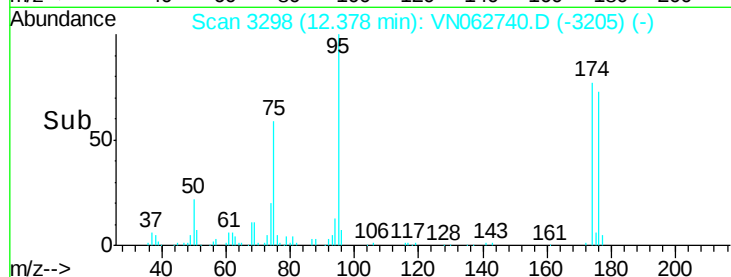
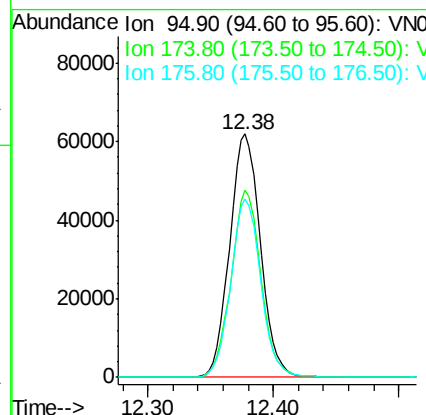
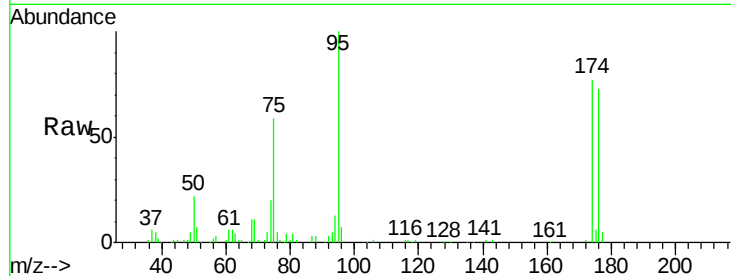




#62
4-Bromofluorobenzene
Concen: 50.656 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

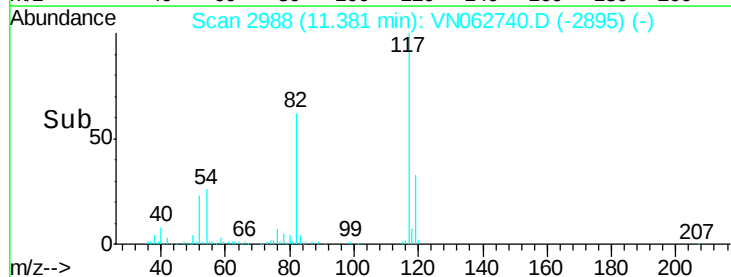
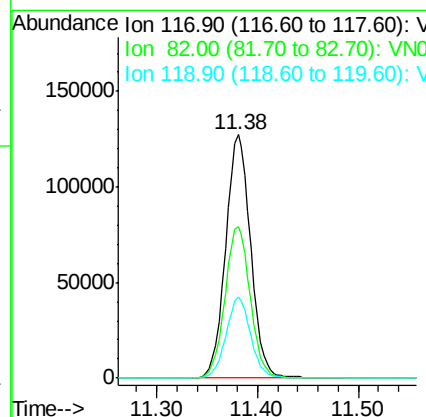
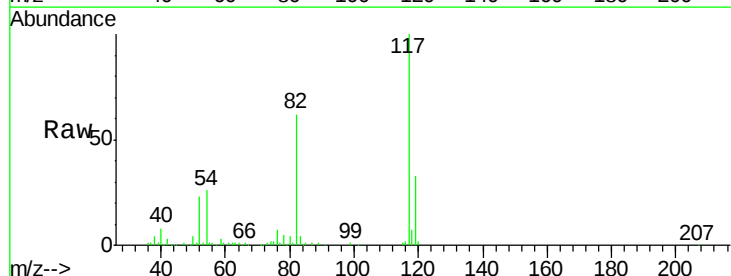
Instrument :
MSVOA_N
ClientSampleId :
PB130675ZHE#02

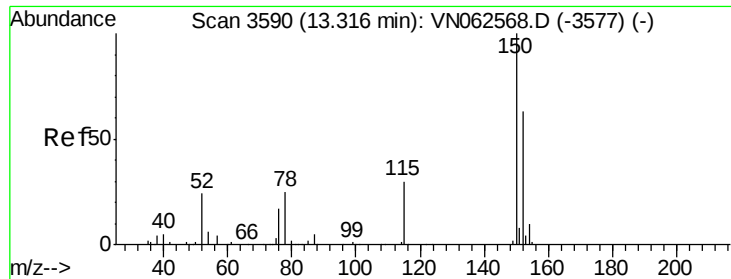
Tot Ion	95	Resp	105457
Ion Ratio	Lower	Upper	
95	100		
174	74.5	0.0	144.6
176	71.5	0.0	139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062740.D
Acq: 3 Aug 2020 17:02

Tgt Ion	117	Resp	220480
Ion Ratio	Lower	Upper	
117	100		
82	62.2	49.0	73.6
119	33.3	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#02

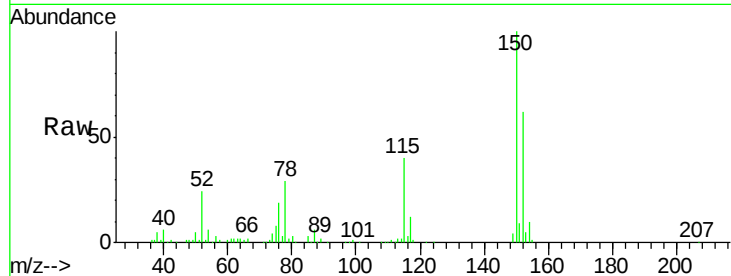
Tot Ion:152 Resp: 82678

Ion Ratio Lower Upper

152 100

115 63.7 31.8 95.4

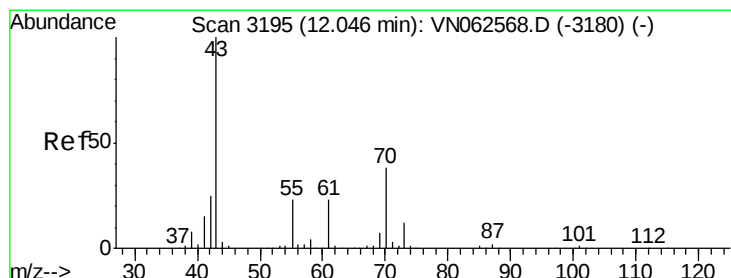
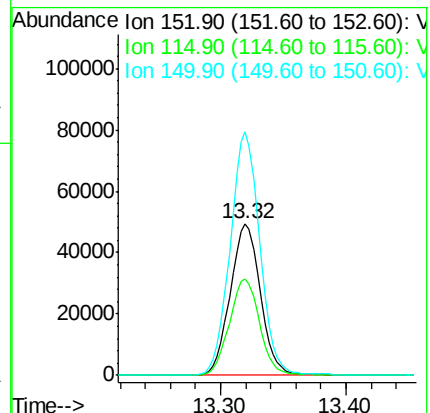
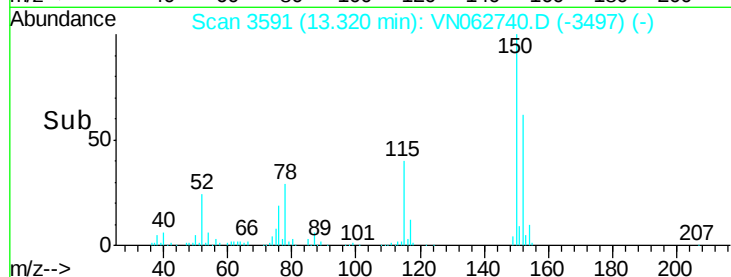
150 157.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.597 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Tgt Ion: 43 Resp: 1742

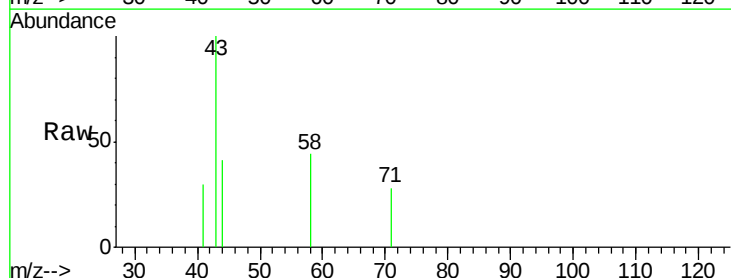
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

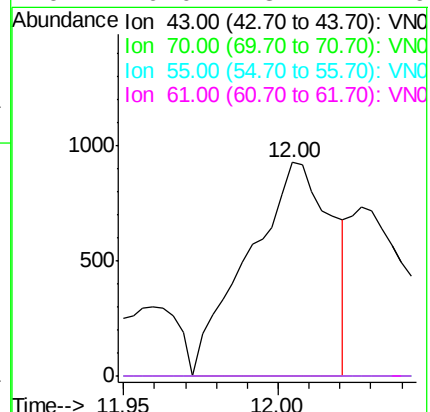
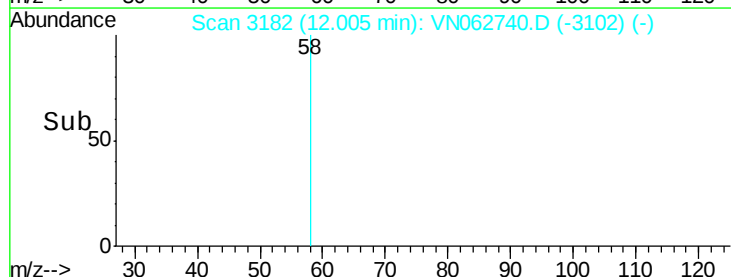


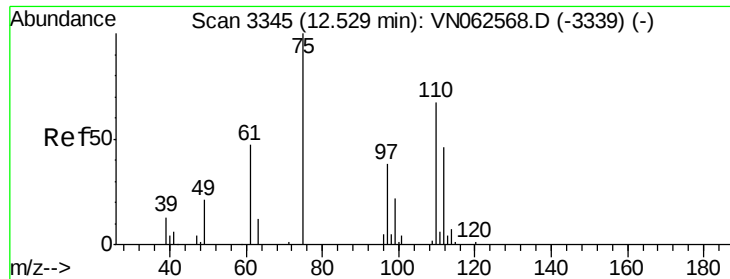
Abundance Ion 43.00 (42.70 to 43.70): V

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: 28.649 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

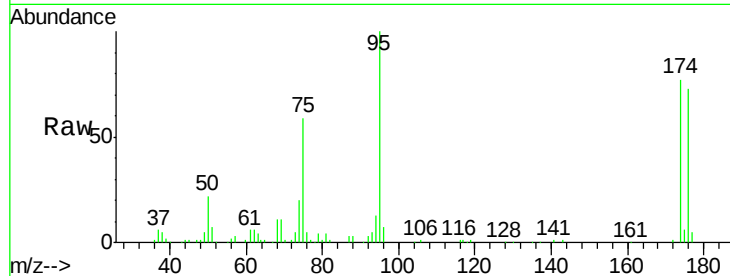
PB130675ZHE#02

Tot Ion: 75 Resp: 60290

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062740.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062740.D (-3252) (-)

12.38

40000

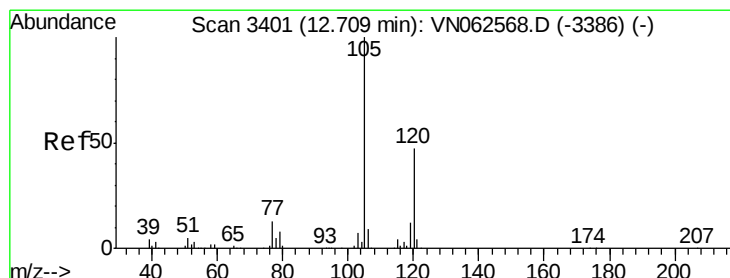
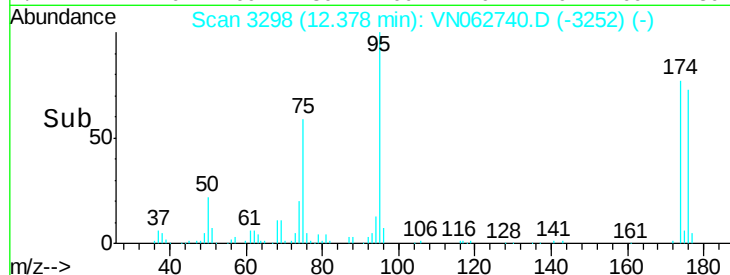
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.562 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN062740.D

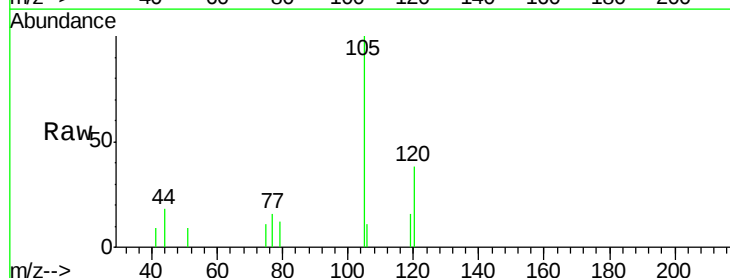
Acq: 3 Aug 2020 17:02

Tgt Ion: 105 Resp: 3045

Ion Ratio Lower Upper

105 100

120 40.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062740.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062740.D (-3308) (-)

12.71

2000

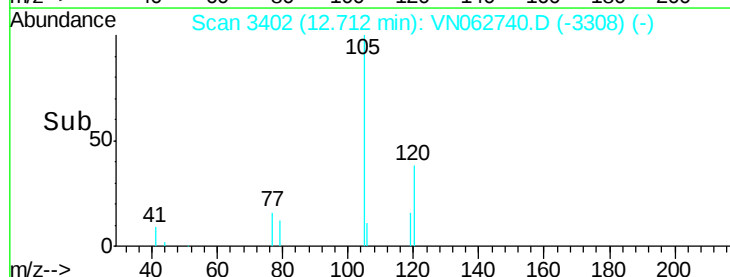
1500

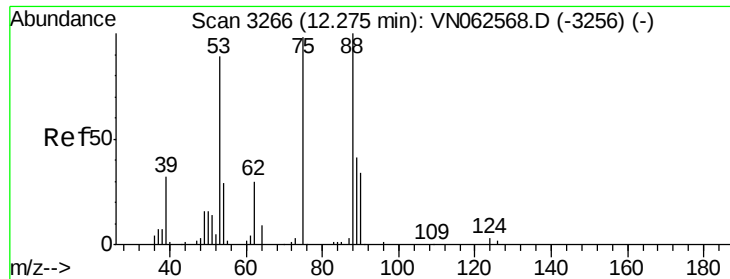
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 79.752 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB130675ZHE#02

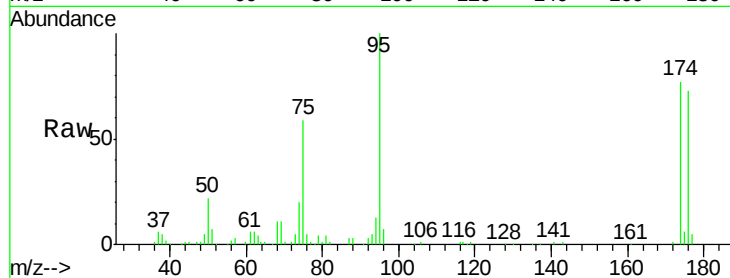
Tot Ion: 75 Resp: 60290

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

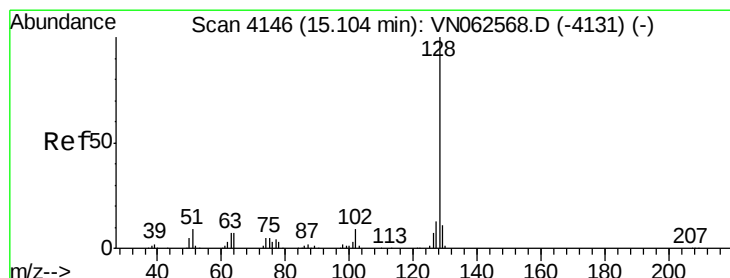
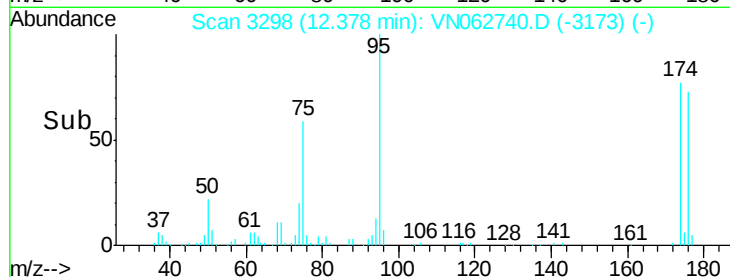
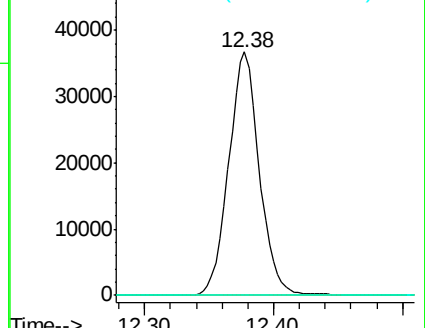
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN062740.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062740.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062740.D (-3173) (-)



#95

Naphthalene

Concen: 4.034 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062740.D

Acq: 3 Aug 2020 17:02

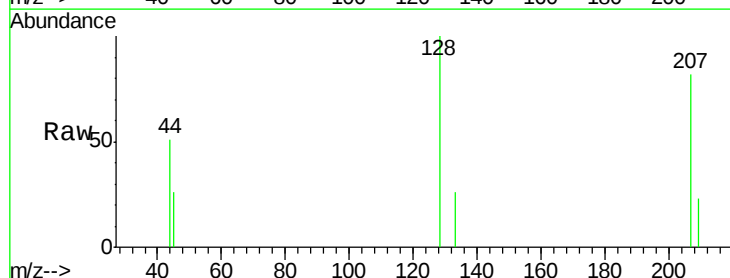
Tgt Ion: 128 Resp: 1083

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN062740.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062740.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062740.D (-4053) (-)

