

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062984.D
 Acq On : 17 Aug 2020 21:32
 Operator : JC/MD
 Sample : PB130988TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130988TB

Quant Time: Aug 18 05:54:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	197443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	299738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	325758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121134	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	106803	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
35) Dibromofluoromethane	7.55	113	109454	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	10.06	98	391329	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.38	95	134062	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

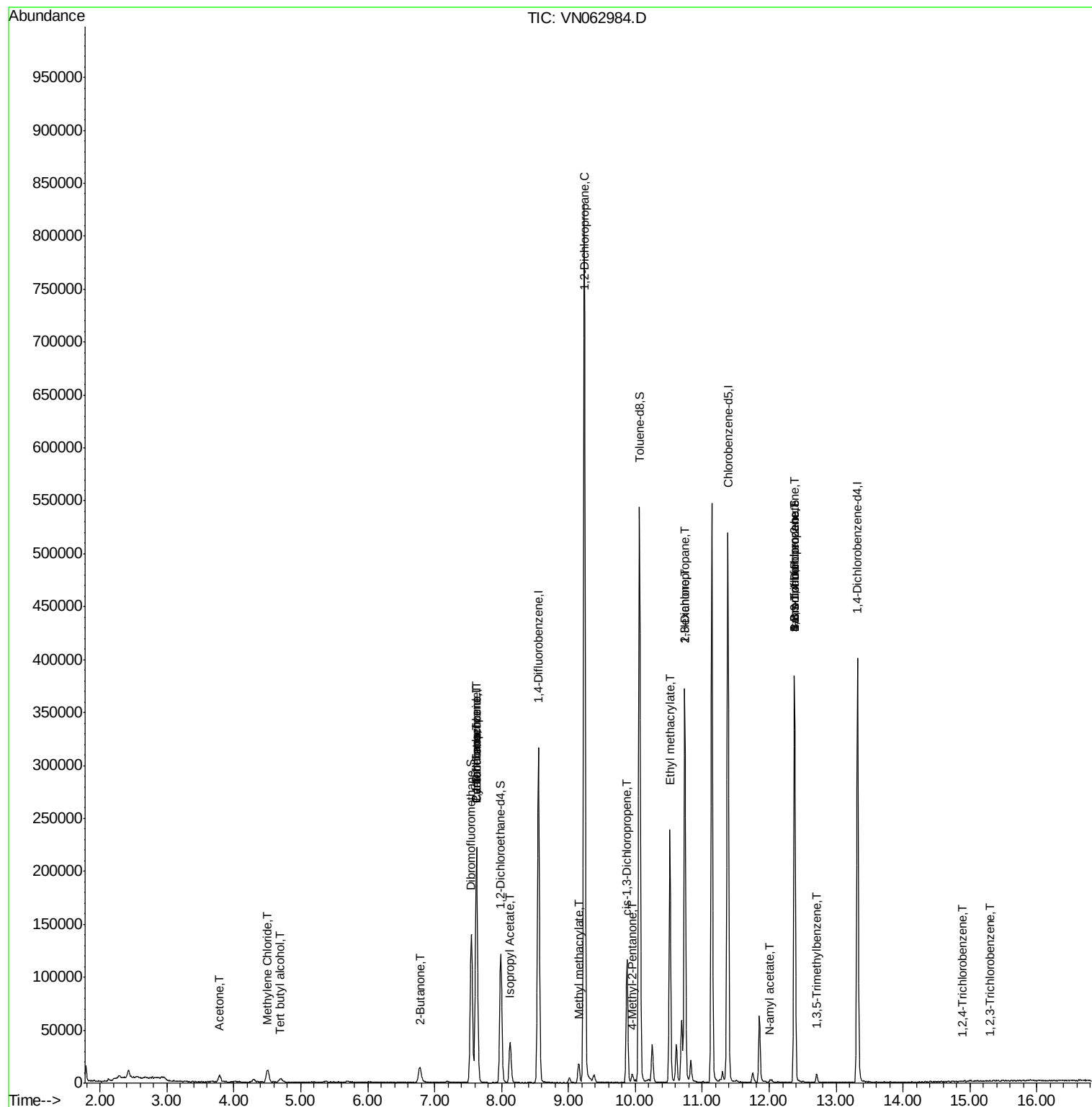
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	2207	6.175	ug/l #	74
16) Acetone	3.78	43	10530	13.002	ug/l	96
18) Methyl Acetate	4.28	43	2046	Below Cal	#	55
20) Methylene Chloride	4.50	84	9728	5.521	ug/l	94
25) 2-Butanone	6.80	43	3307	2.833	ug/l #	45
29) Tetrahydrofuran	7.17	42	283	Below Cal	#	45
31) Cyclohexane	7.63	56	3043	0.943	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12875	5.007	ug/l #	46
38) Carbon Tetrachloride	7.63	117	16682	6.141	ug/l #	16
43) Isopropyl Acetate	8.13	43	43948	11.776	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	1053	0.465	ug/l #	44
48) Methyl methacrylate	9.15	41	2552	1.398	ug/l #	8
51) 4-Methyl-2-Pentanone	9.95	43	5442	2.179	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	23178	6.956	ug/l #	63
56) Ethyl methacrylate	10.52	69	1263	4.101	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3977	1.158	ug/l #	42
59) 2-Hexanone	10.74	43	48592	18.595	ug/l #	51
71) Bromoform	12.38	173	533	0.246	ug/l #	1
74) N-amyl acetate	12.01	43	2451	0.854	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	62904	26.260	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4713	0.670	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	62904	70.410	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.90	180	92	4.322	ug/l #	40
95) Naphthalene	15.11	128	408	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.29	180	189	3.805	ug/l #	23

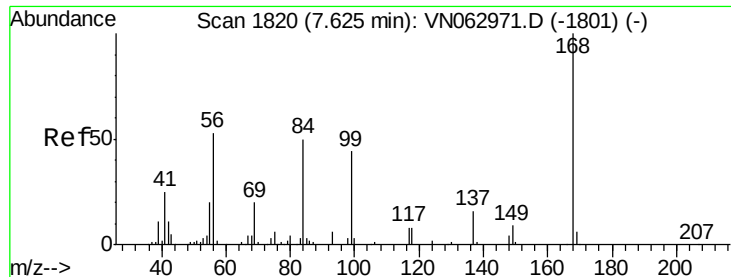
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081720\
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Quant Time: Aug 18 05:54:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 17:31:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

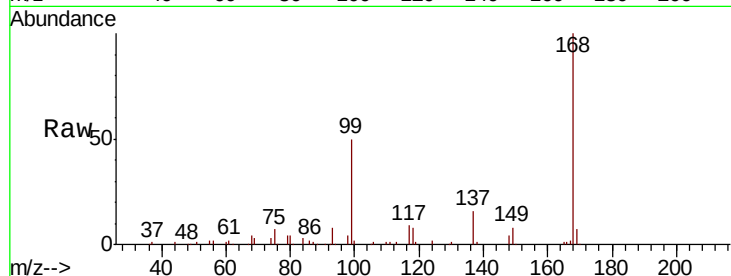
PB130988TB

Tot Ion:168 Resp: 197443

Ion Ratio Lower Upper

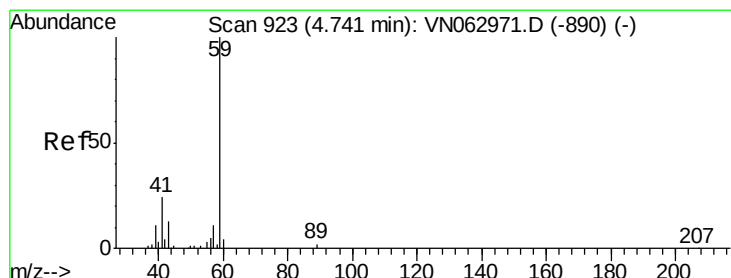
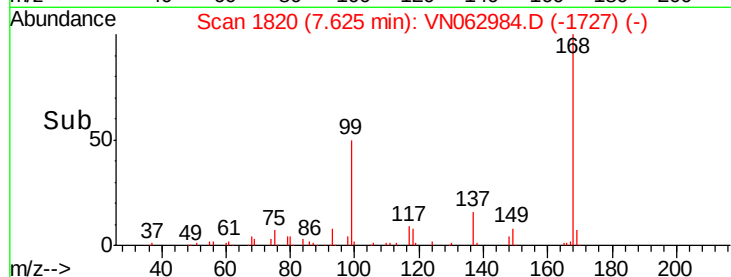
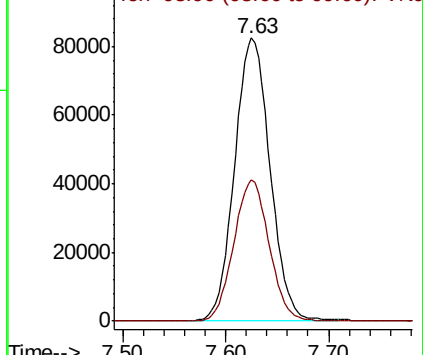
168 100

99 50.0 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 6.175 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN062984.D

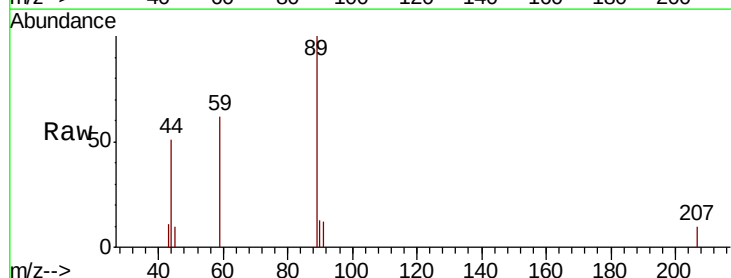
Acq: 17 Aug 2020 21:32

Tgt Ion: 59 Resp: 2207

Ion Ratio Lower Upper

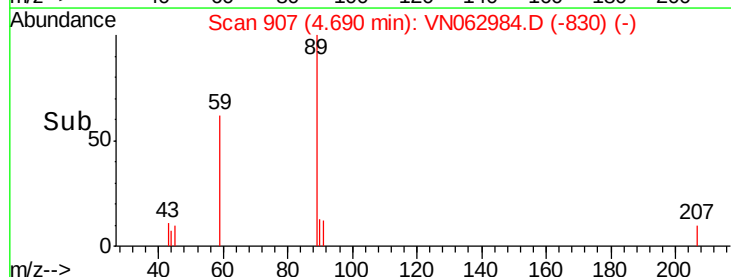
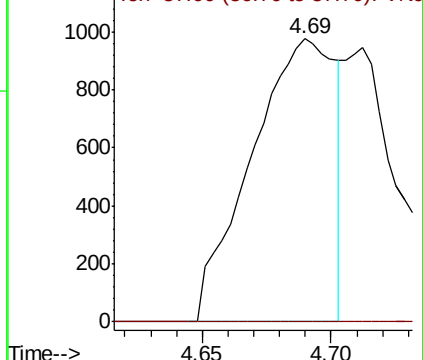
59 100

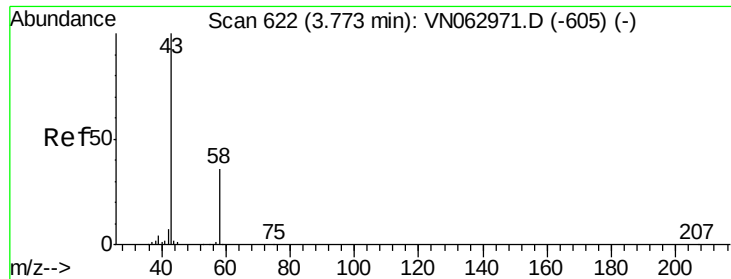
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

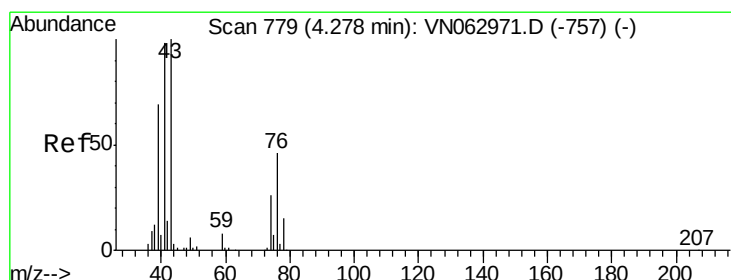
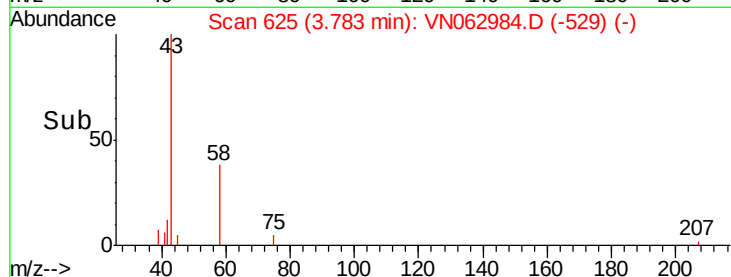
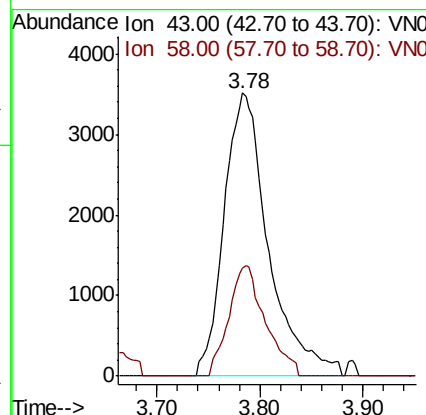
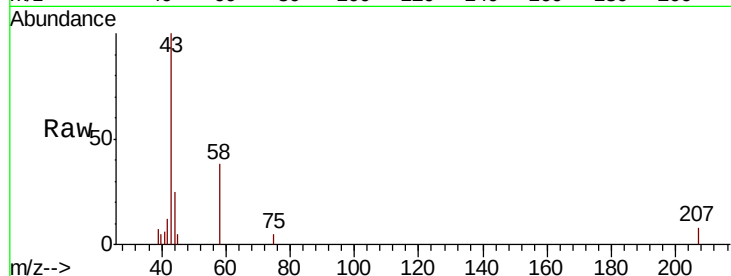




#16
Acetone
Concen: 13.002 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

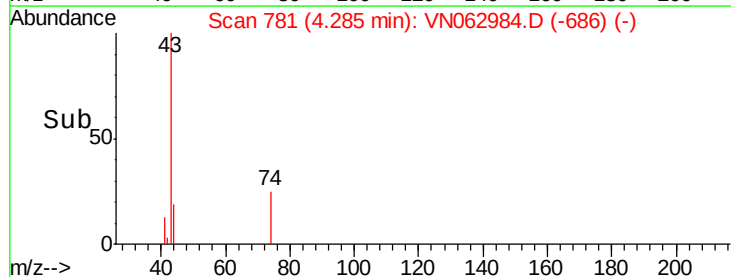
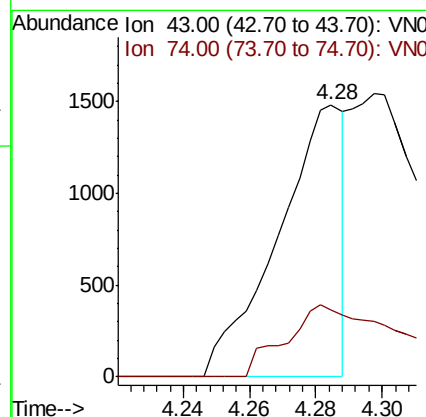
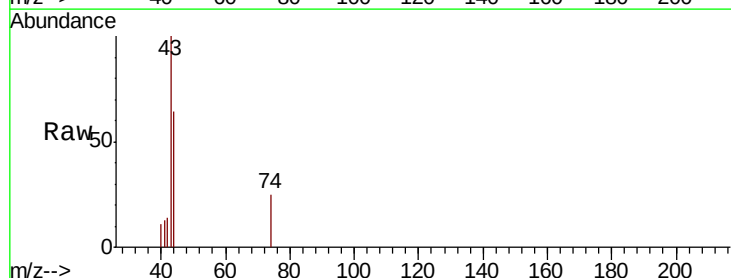
Instrument :
MSVOA_N
ClientSampleId :
PB130988TB

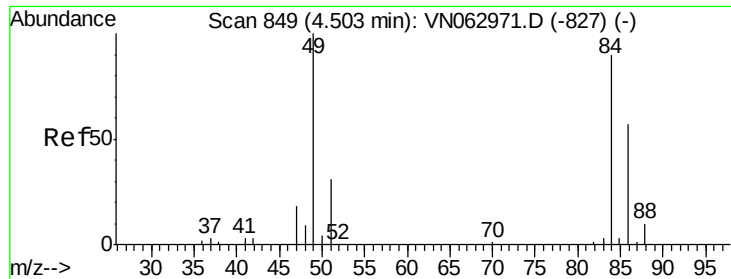
Tot Ion: 43 Resp: 10530
Ion Ratio Lower Upper
43 100
58 38.3 28.7 43.1



#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

Tgt Ion: 43 Resp: 2046
Ion Ratio Lower Upper
43 100
74 50.3 21.6 32.4#

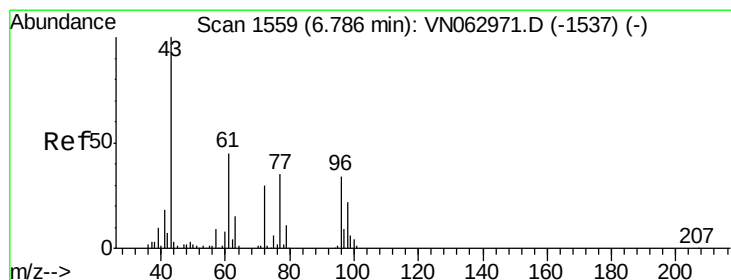
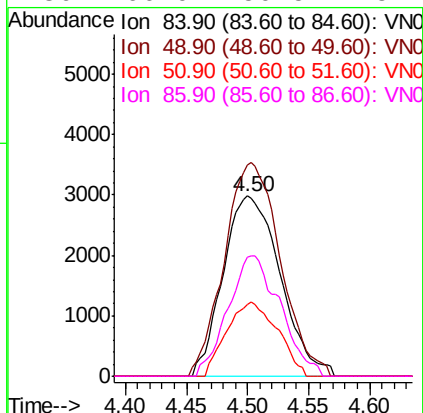
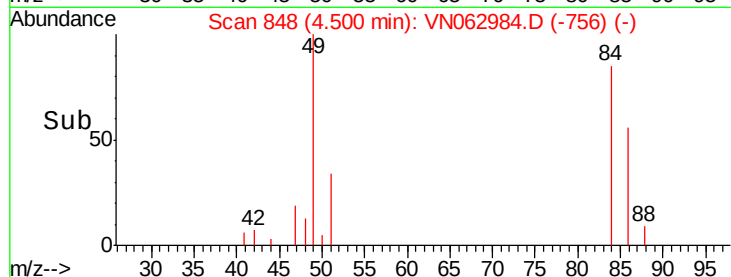
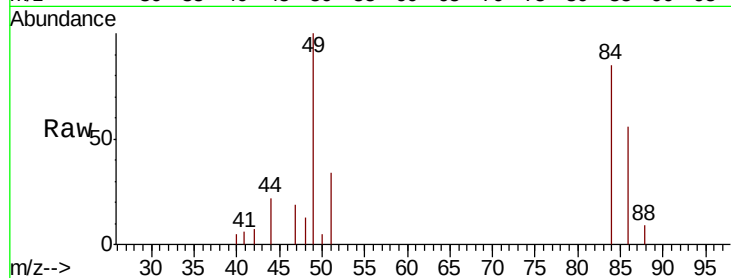




#20
Methvlene Chloride
Concen: 5.521 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

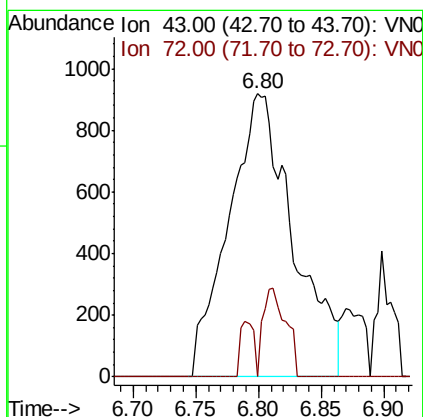
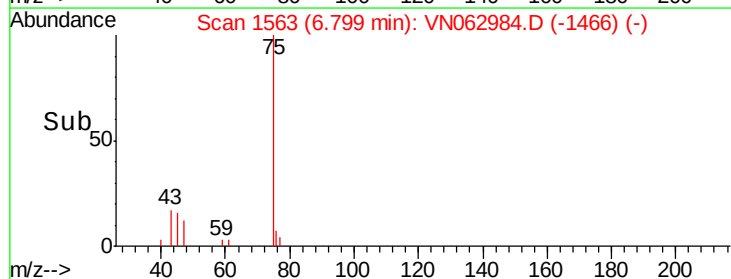
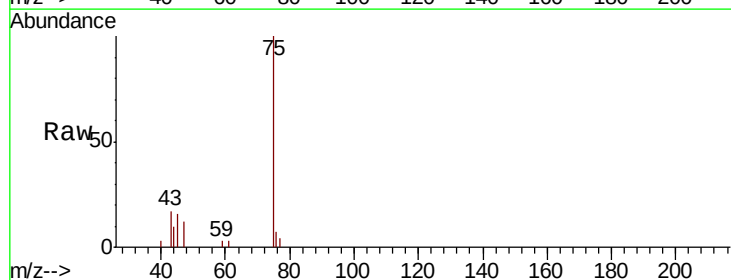
Instrument :
MSVOA_N
ClientSampleId :
PB130988TB

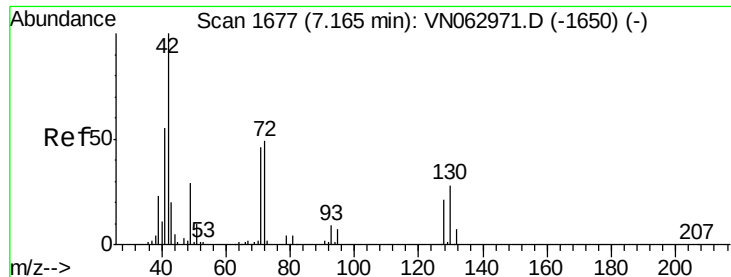
Tot Ion:	84	Resp:	9728
Ion	Ratio	Lower	Upper
84	100		
49	117.5	88.8	133.2
51	40.0	27.1	40.7
86	66.0	50.5	75.7



#25
2-Butanone
Concen: 2.833 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

Tgt Ion:	43	Resp:	3307
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.9	35.9#

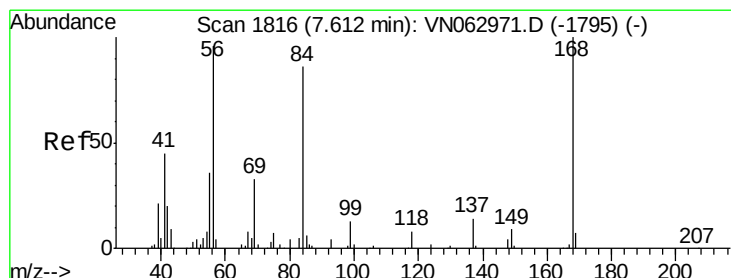
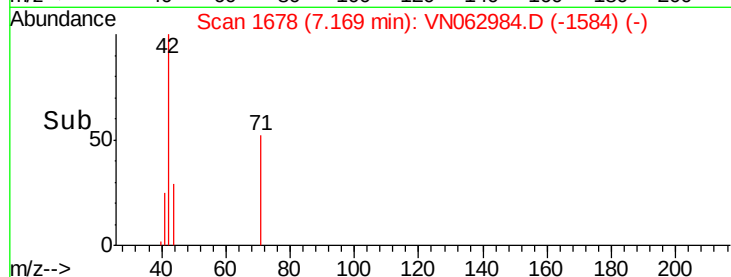
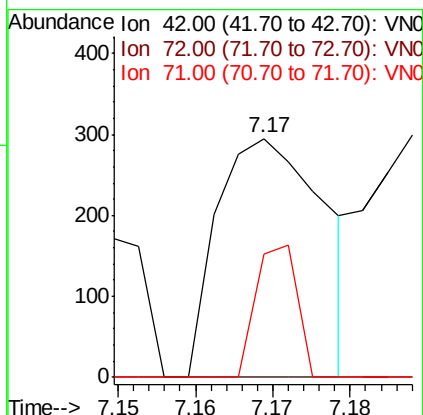
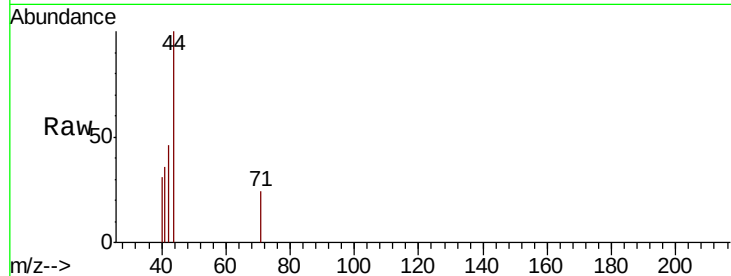




#29
Tetrahydrofuran
Concen: Below Cal
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

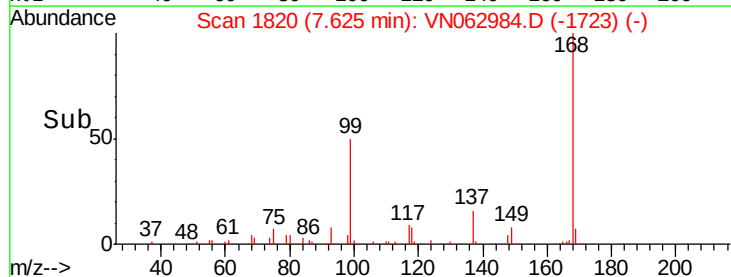
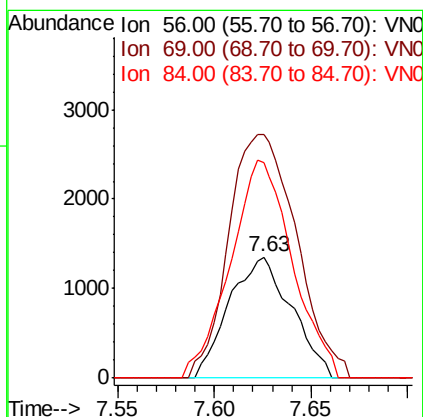
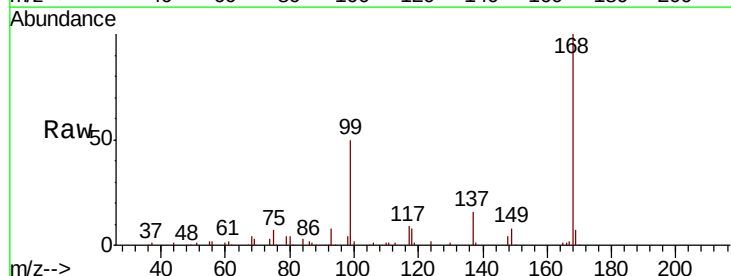
Instrument :
MSVOA_N
ClientSampled :
PB130988TB

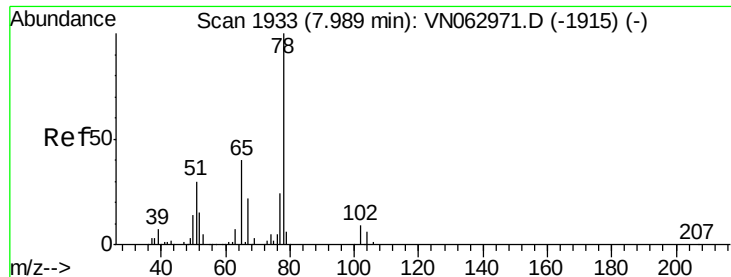
Tot Ion: 42 Resp: 283
Ion Ratio Lower Upper
42 100
72 0.0 39.4 59.2#
71 21.6 37.2 55.8#



#31
Cyclohexane
Concen: 0.943 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

Tgt Ion: 56 Resp: 3043
Ion Ratio Lower Upper
56 100
69 201.7 27.4 41.2#
84 178.1 71.3 106.9#

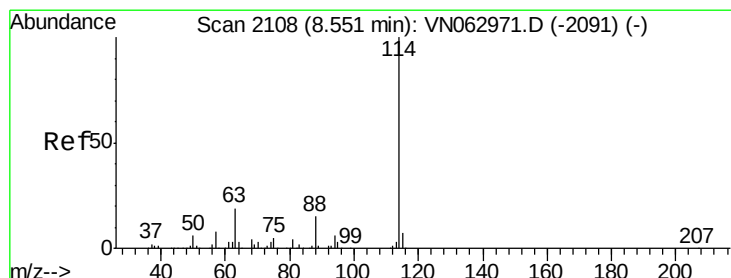
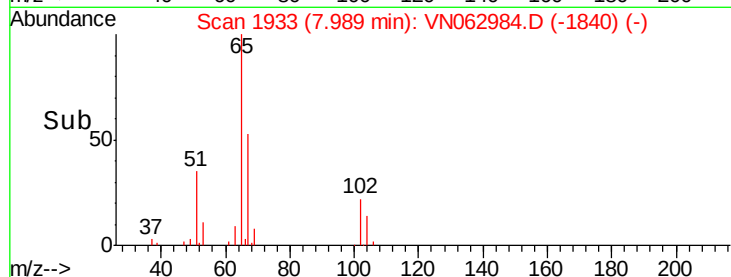
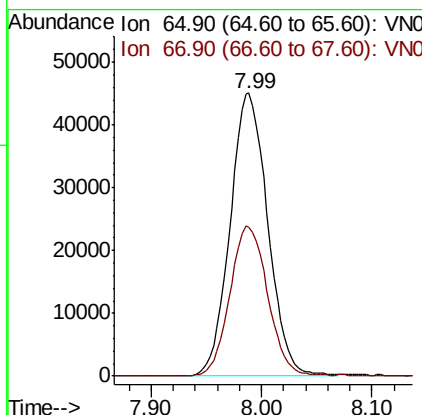
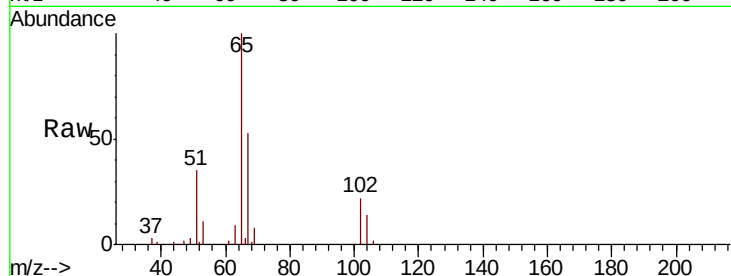




#33
 1,2-Dichloroethane-d4
 Concen: 51.063 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

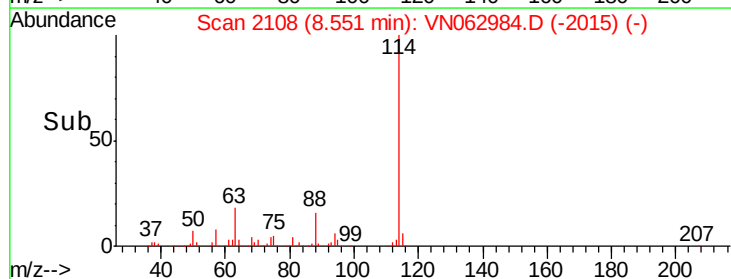
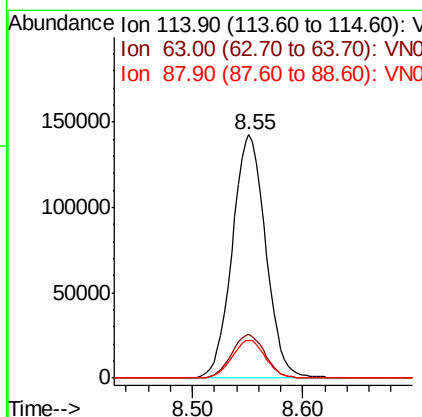
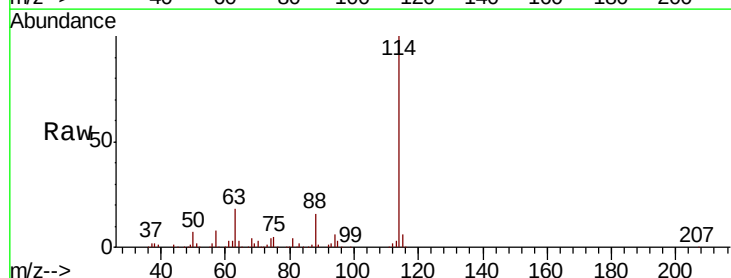
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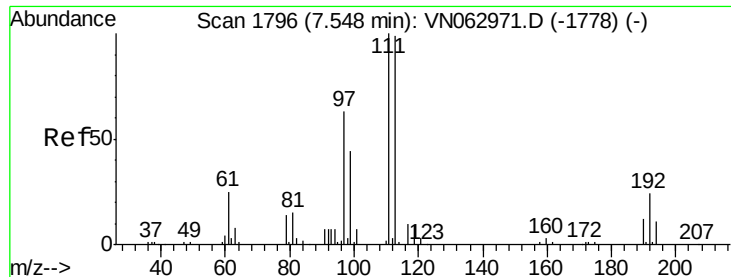
Tot Ion: 65 Resp: 106803
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

Tgt Ion: 114 Resp: 299738
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 37.6
 88 15.6 0.0 31.0

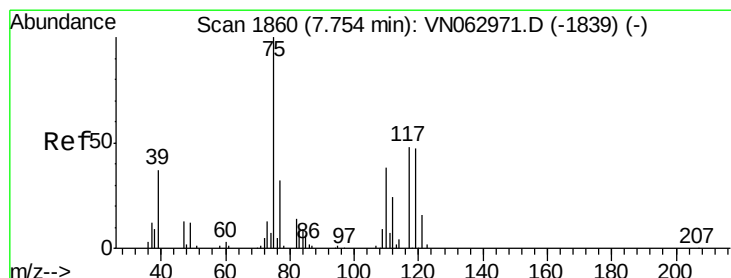
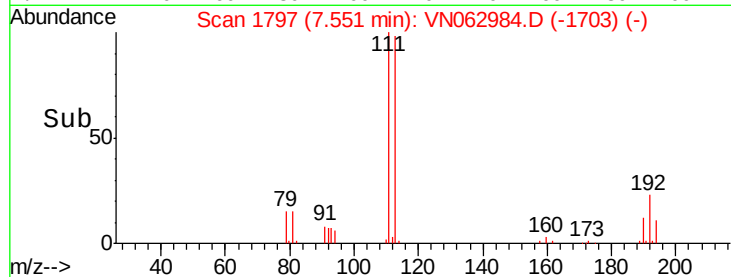
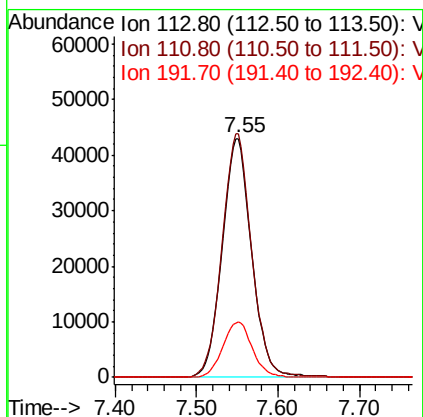
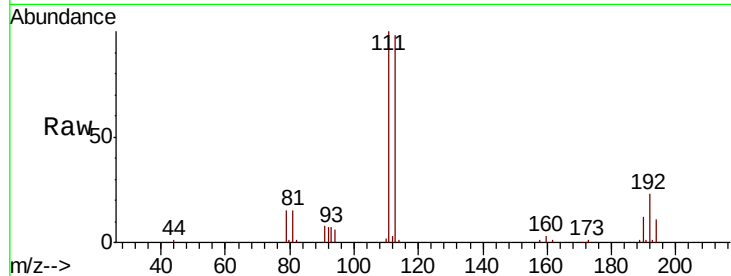




#35
Dibromofluoromethane
Concen: 56.064 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

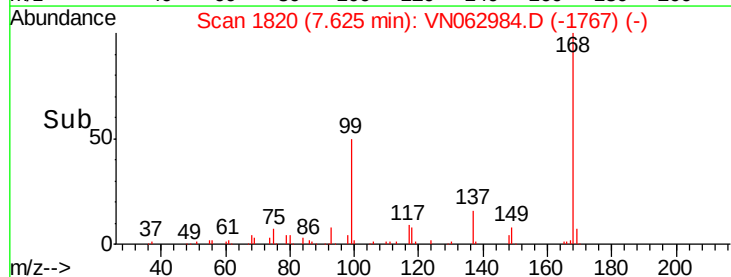
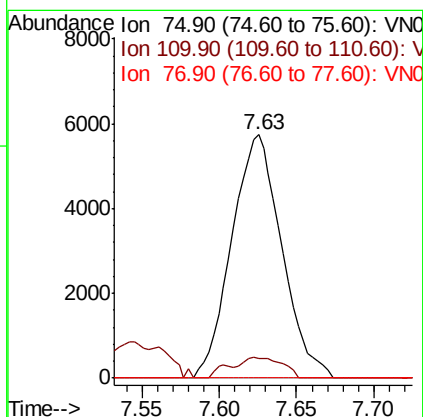
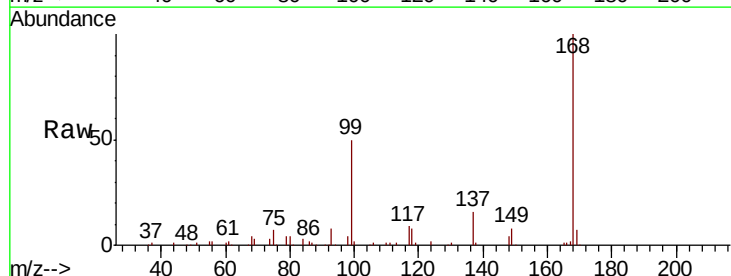
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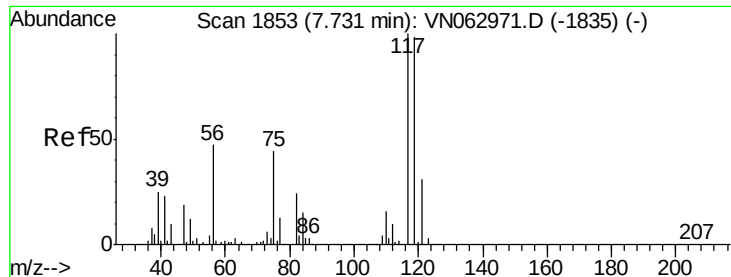
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	23.2	19.2	28.8



#36
1,1-Dichloropropene
Concen: 5.007 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.7	56.1#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampled :

PB130988TB

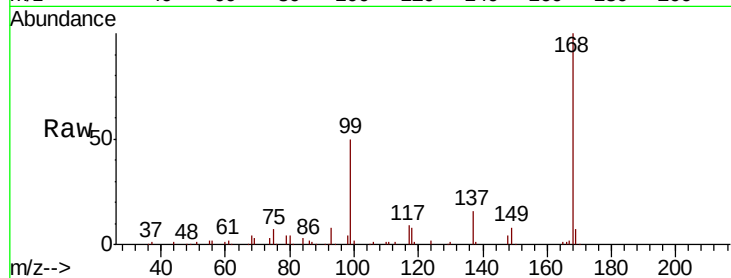
Tot Ion:117 Resp: 16682

Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

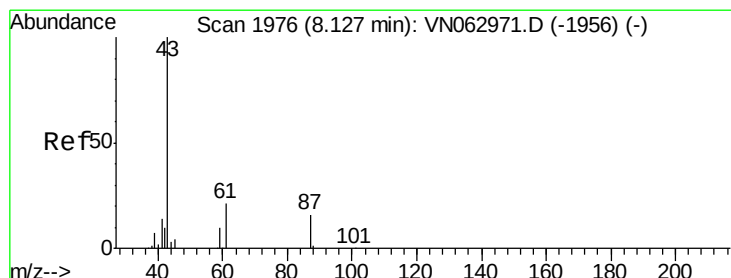
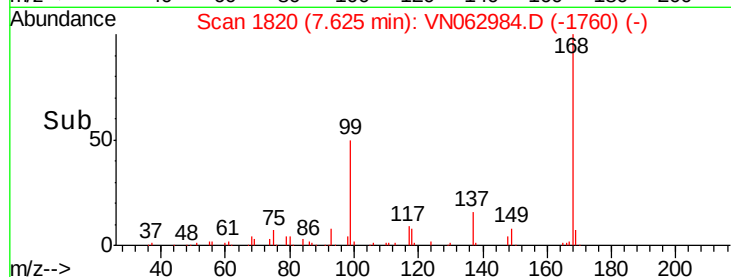
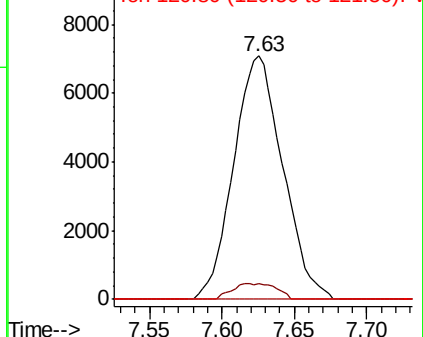
121 0.0 24.8 37.2#



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: 11.776 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

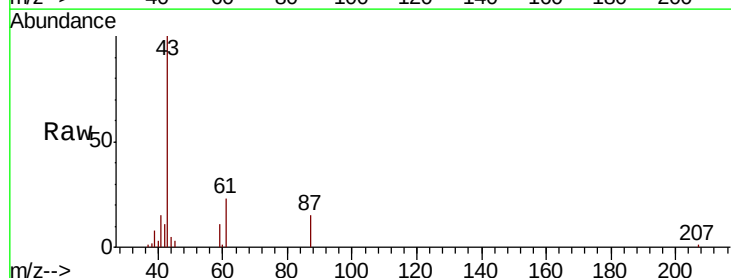
Tgt Ion: 43 Resp: 43948

Ion Ratio Lower Upper

43 100

61 21.8 24.6 36.8#

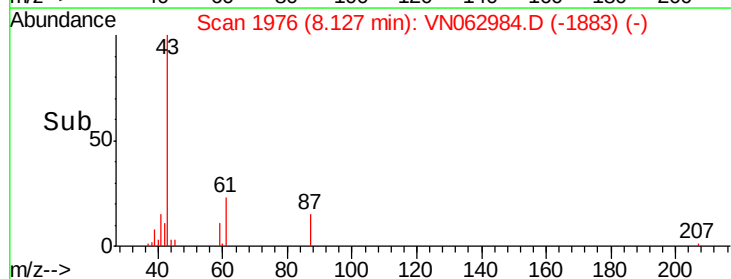
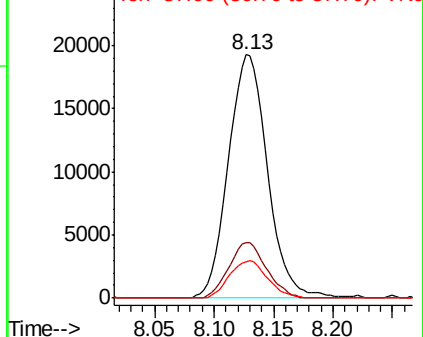
87 15.0 12.4 18.6

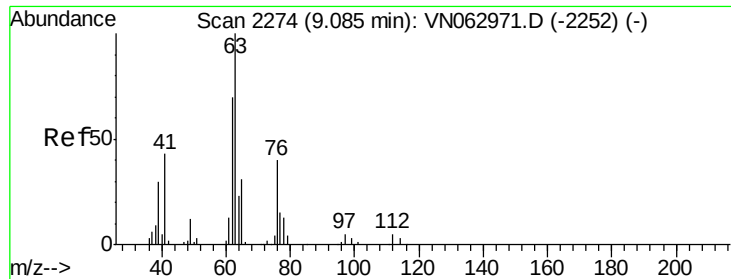


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

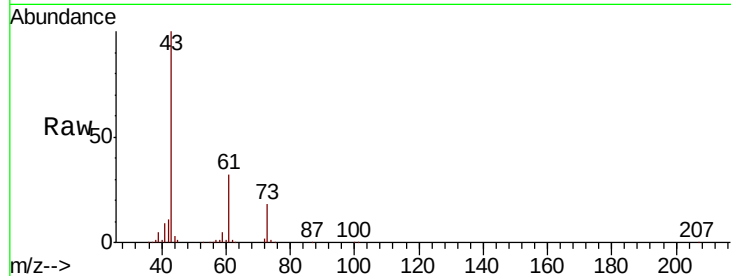
PB130988TB

Tot Ion: 63 Resp: 1053

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.23

800

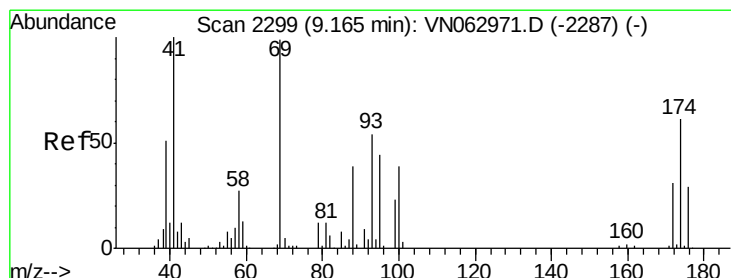
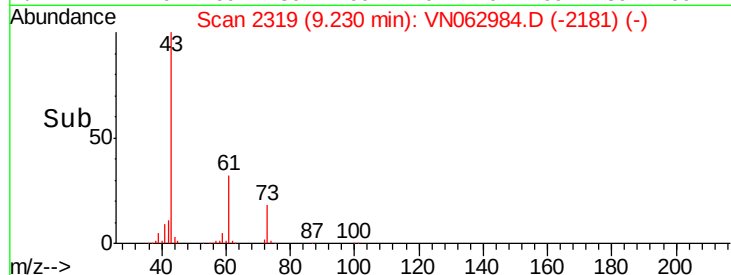
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.398 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.01 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

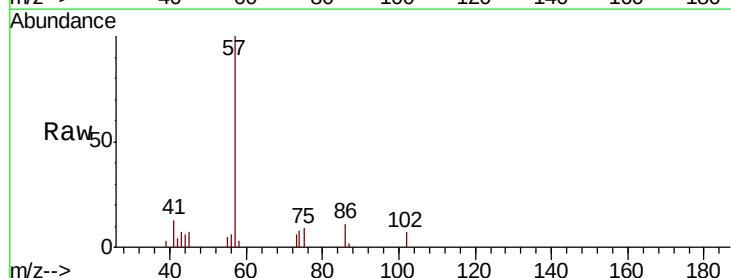
Tgt Ion: 41 Resp: 2552

Ion Ratio Lower Upper

41 100

69 0.0 81.1 121.7#

39 0.0 42.4 63.6#



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

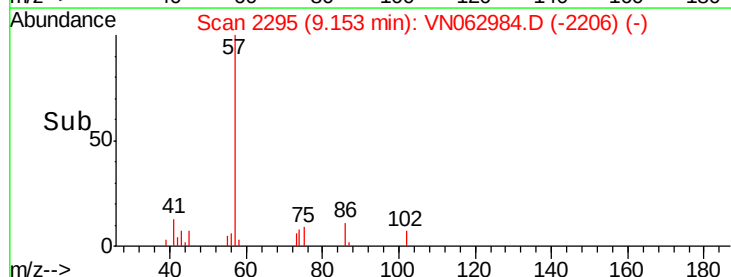
15000

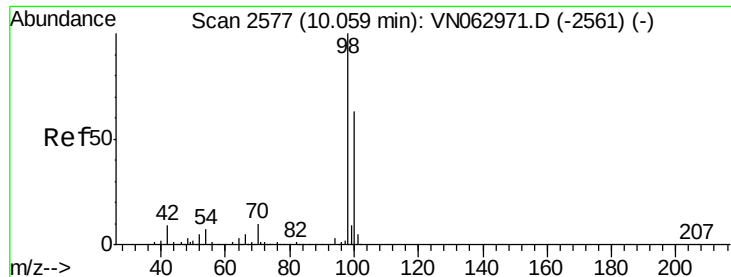
10000

5000

0

Time-->

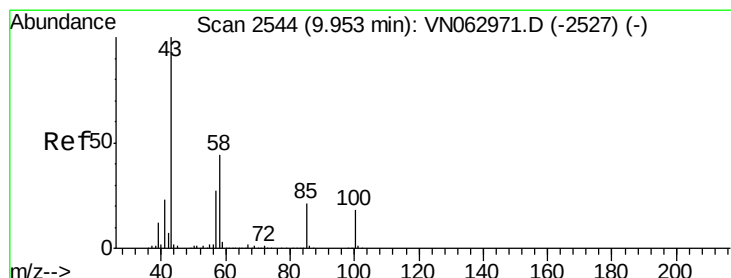
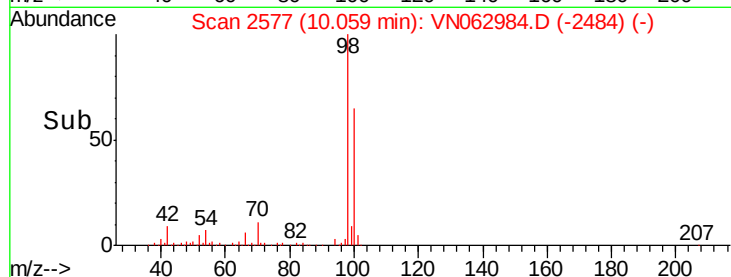
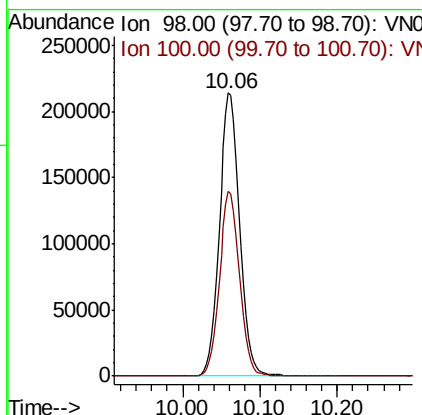
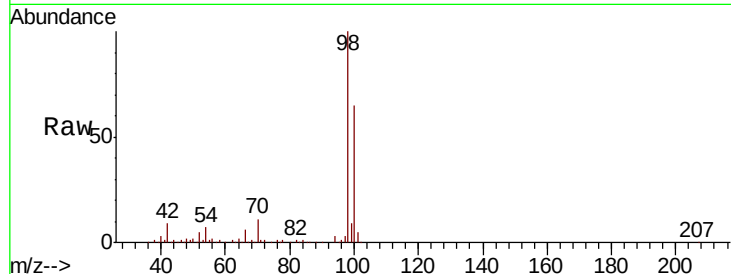




#50
Toluene-d8
Concen: 51.649 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

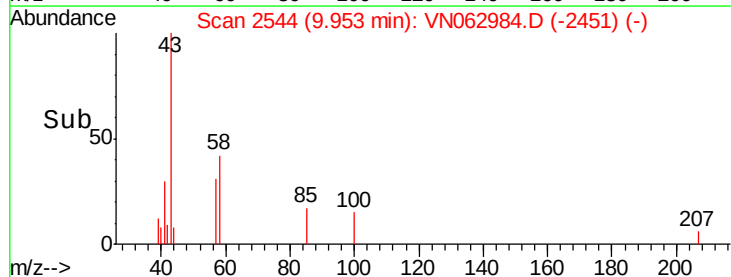
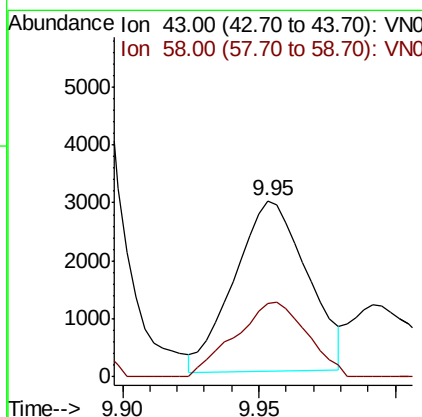
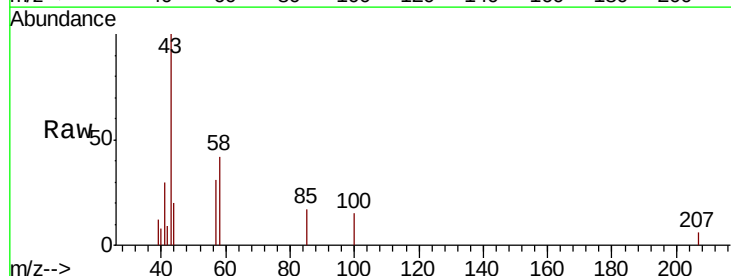
Instrument :
MSVOA_N
ClientSampleId :
PB130988TB

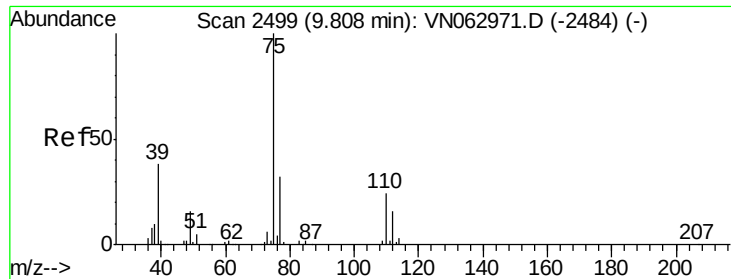
Tot Ion: 98 Resp: 391329
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.4



#51
4-Methyl-2-Pentanone
Concen: 2.179 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

Tgt Ion: 43 Resp: 5442
Ion Ratio Lower Upper
43 100
58 43.3 34.3 51.5





#54

cis-1,3-Dichloropropene

Concen: 6.956 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampled :

PB130988TB

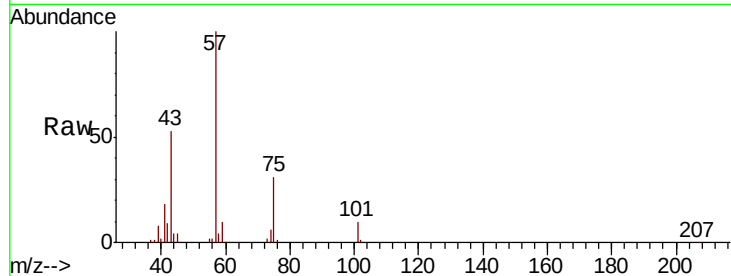
Tot Ion: 75 Resp: 23178

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

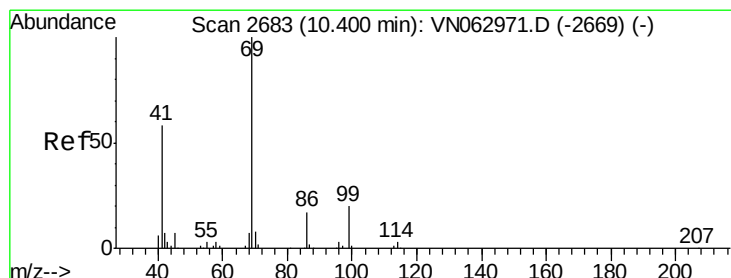
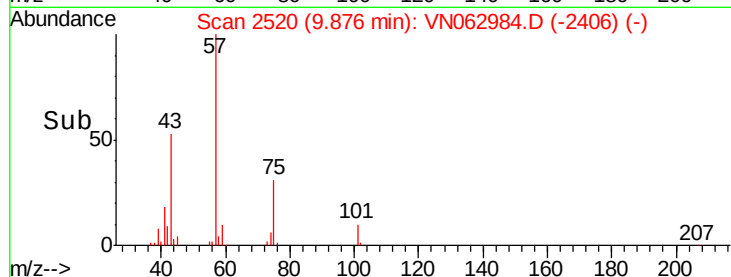
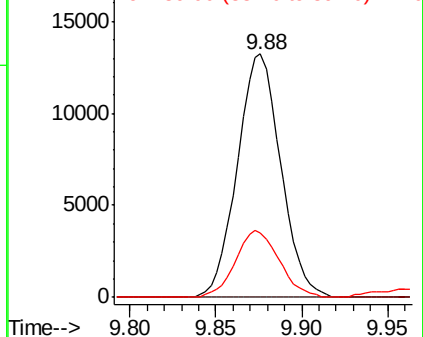
39 26.4 30.6 46.0#



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: 4.101 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

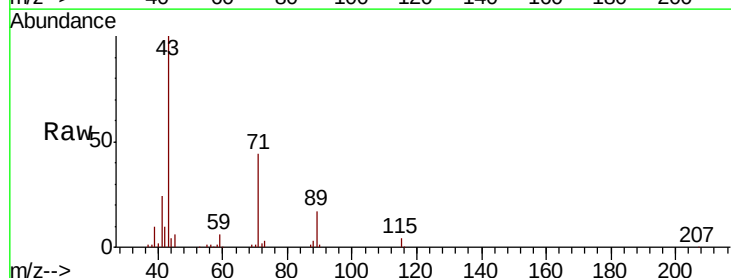
Tgt Ion: 69 Resp: 1263

Ion Ratio Lower Upper

69 100

41 3316.0 46.0 69.0#

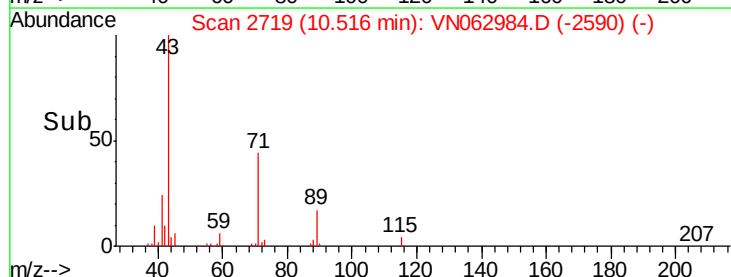
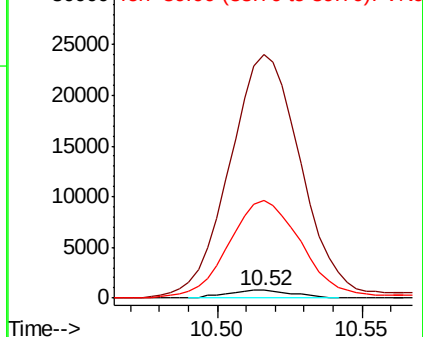
39 1345.9 23.4 35.0#

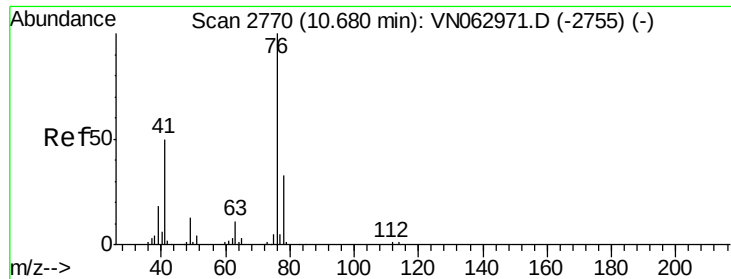


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

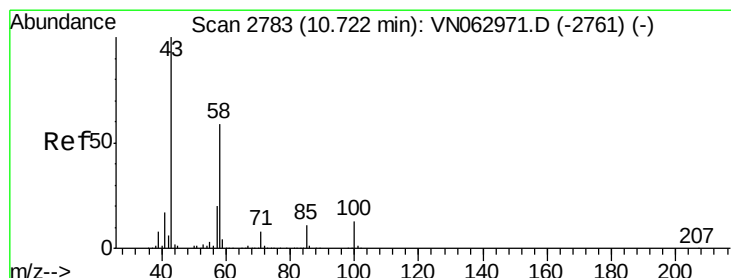
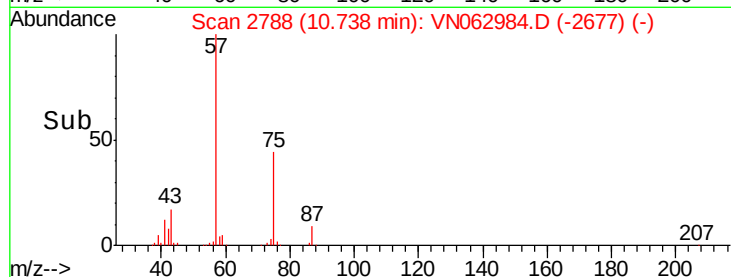
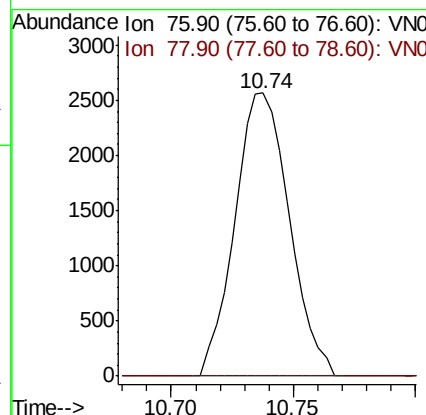
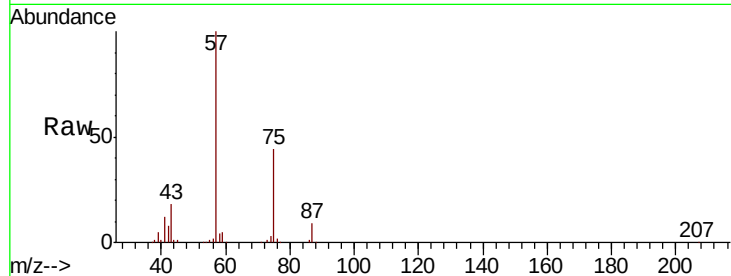




#57
 1,3-Dichloropropane
 Concen: 1.158 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

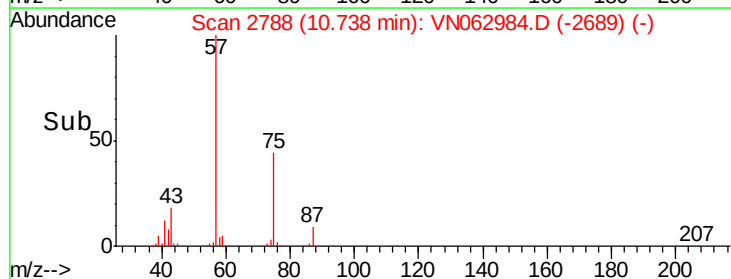
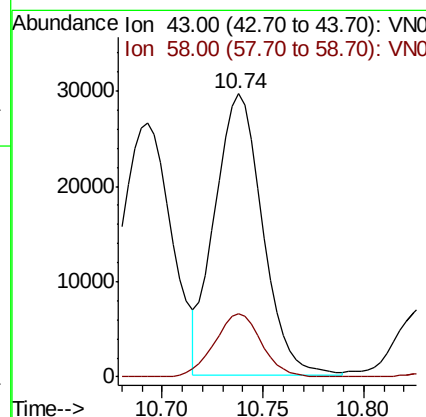
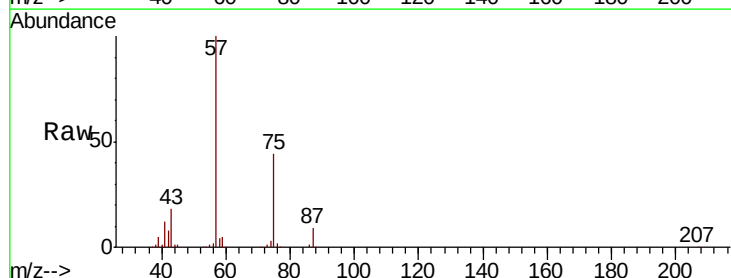
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130988TB

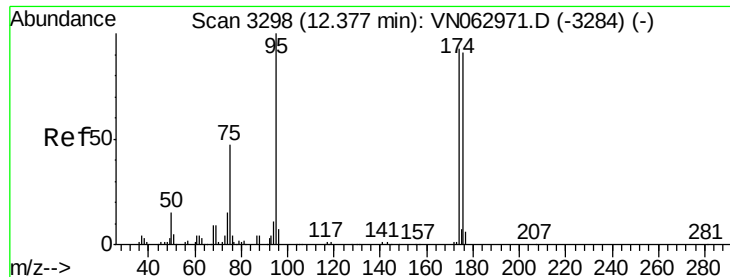
Tot Ion: 76 Resp: 3977
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#



#59
 2-Hexanone
 Concen: 18.595 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

Tgt Ion: 43 Resp: 48592
 Ion Ratio Lower Upper
 43 100
 58 22.1 29.5 88.5#

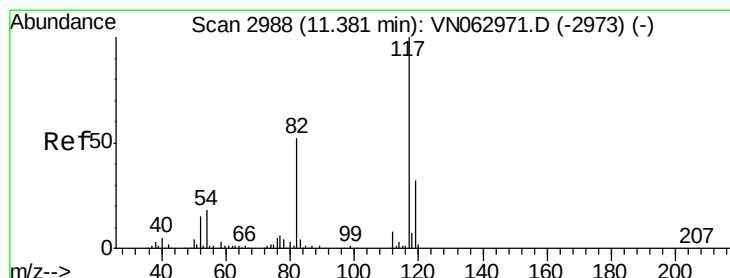
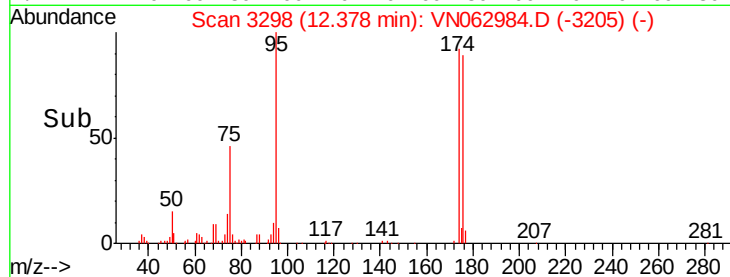
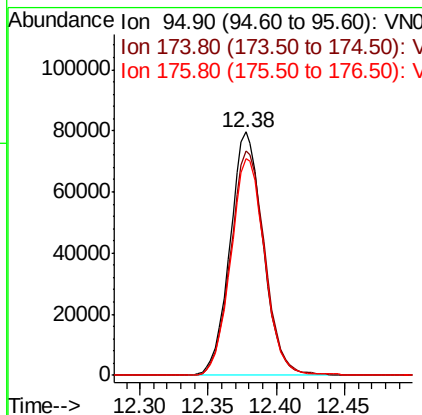
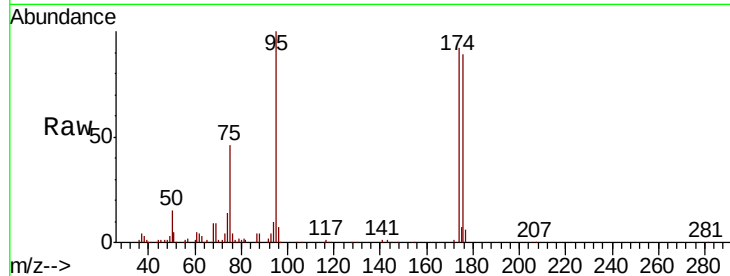




#62
4-Bromofluorobenzene
Concen: 49.241 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

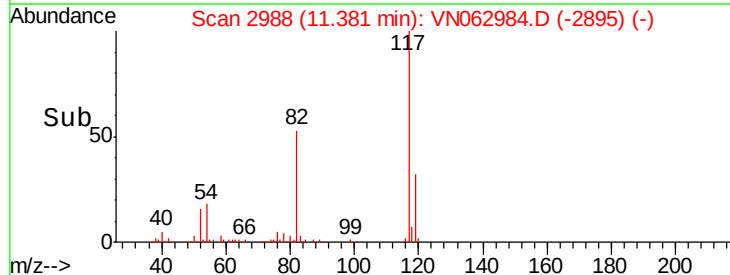
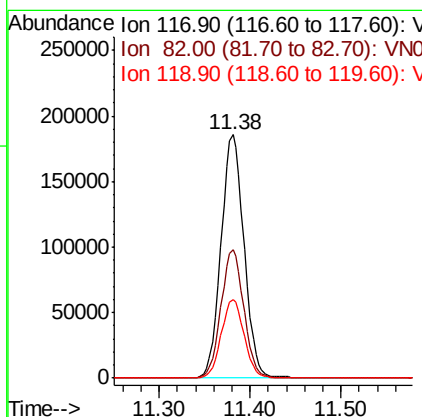
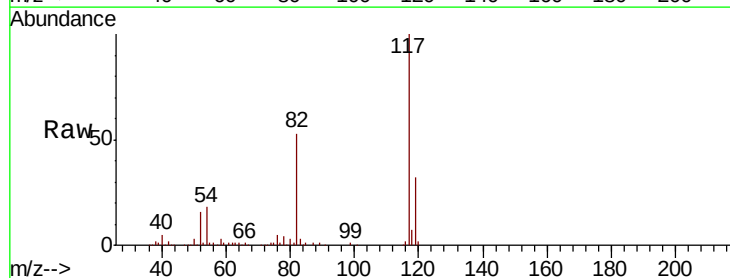
Instrument :
MSVOA_N
ClientSampled :
PB130988TB

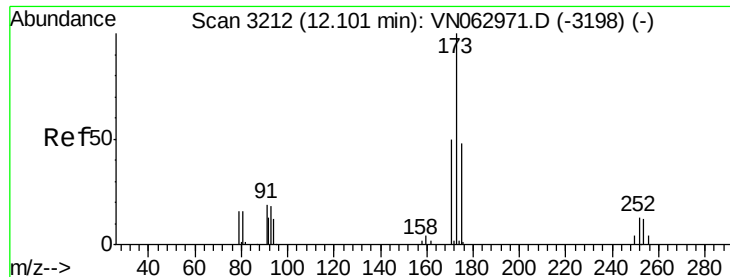
Tot Ion: 95 Resp: 134062
Ion Ratio Lower Upper
95 100
174 95.6 0.0 185.2
176 91.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062984.D
Acq: 17 Aug 2020 21:32

Tgt Ion: 117 Resp: 325758
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 32.3 25.8 38.8





#71

Bromoform

Concen: 0.246 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.28 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

PB130988TB

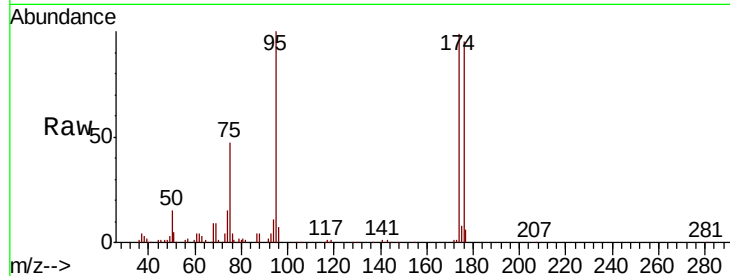
Tot Ion:173 Resp: 533

Ion Ratio Lower Upper

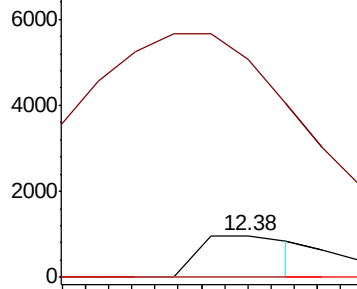
173 100

175 1454.8 24.1 72.2#

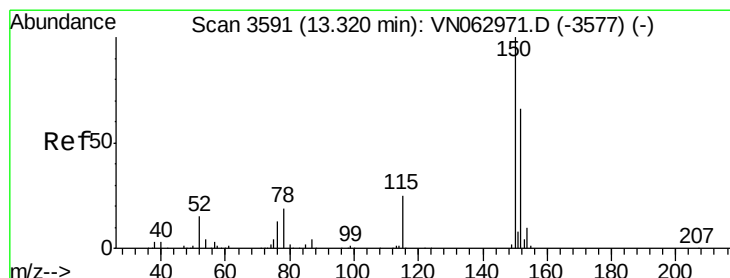
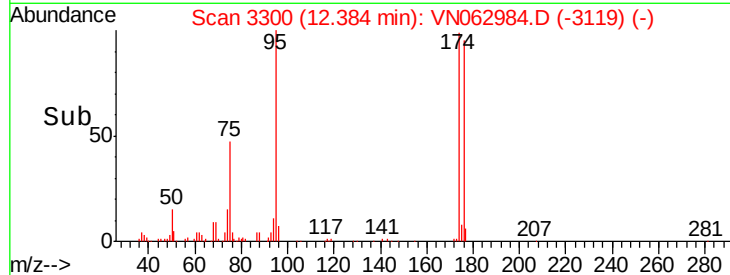
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

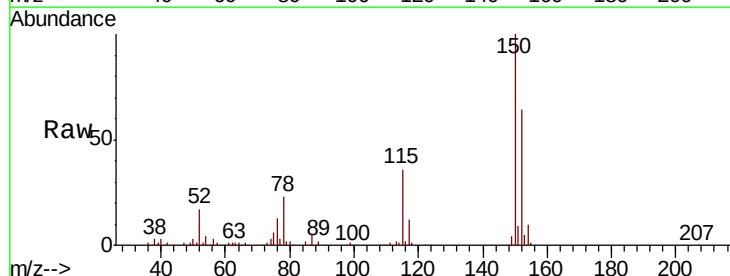
Tgt Ion:152 Resp: 121134

Ion Ratio Lower Upper

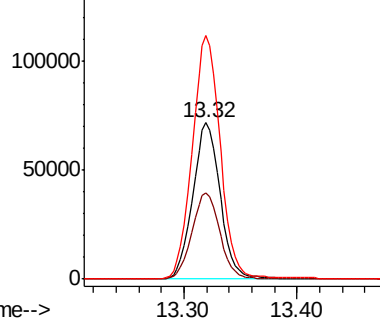
152 100

115 56.0 27.1 81.3

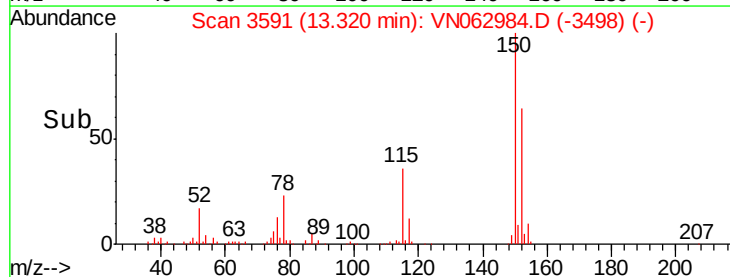
150 159.3 0.0 341.4

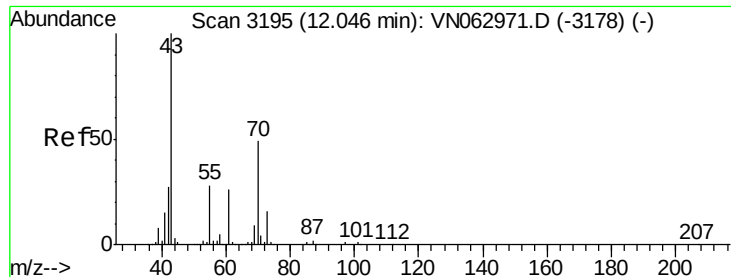


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#74

N-amvl acetate

Concen: 0.854 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampled :

PB130988TB

Tot Ion: 43 Resp: 2451

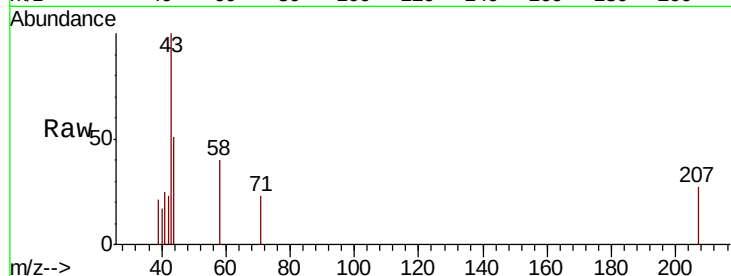
Ion Ratio Lower Upper

43 100

70 0.0 38.4 57.6#

55 0.0 21.9 32.9#

61 0.0 20.6 31.0#

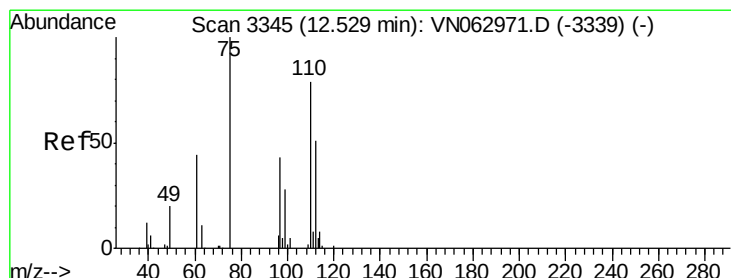
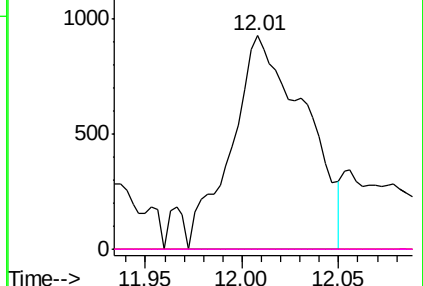
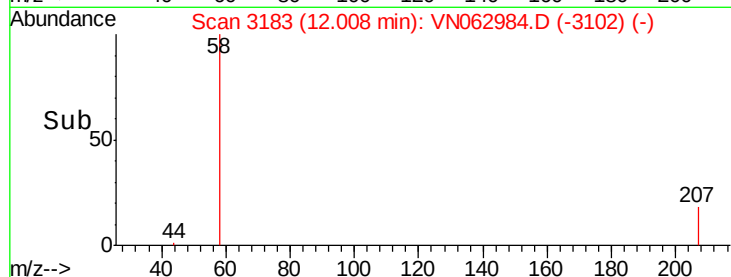


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.260 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062984.D

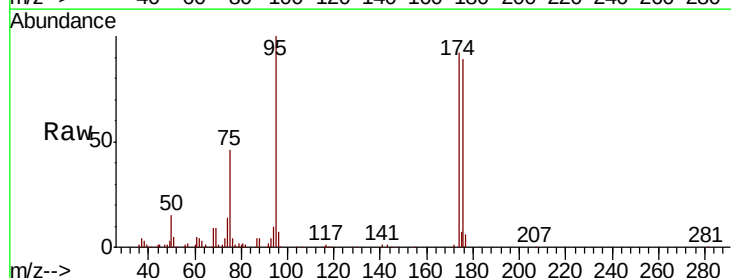
Acq: 17 Aug 2020 21:32

Tgt Ion: 75 Resp: 62904

Ion Ratio Lower Upper

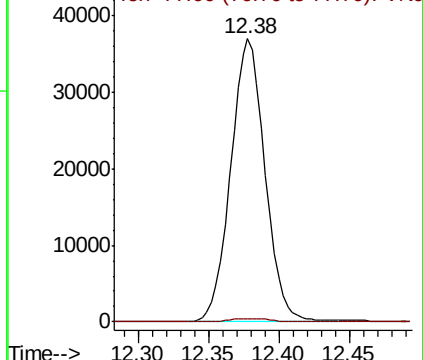
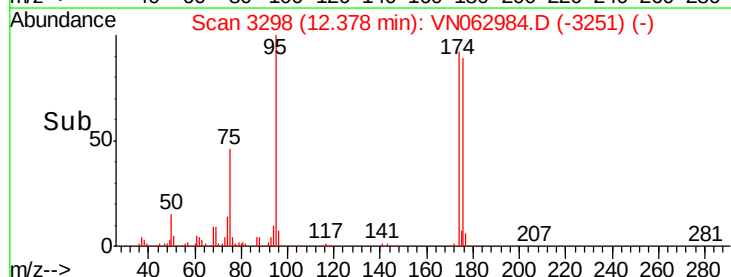
75 100

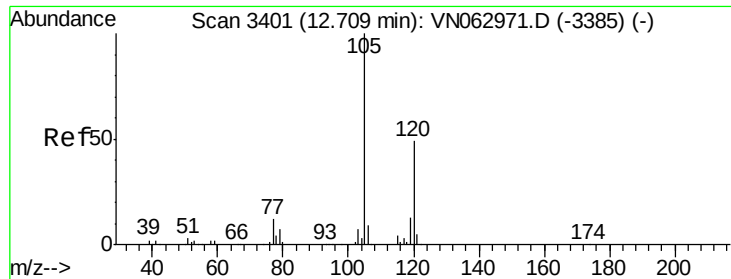
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

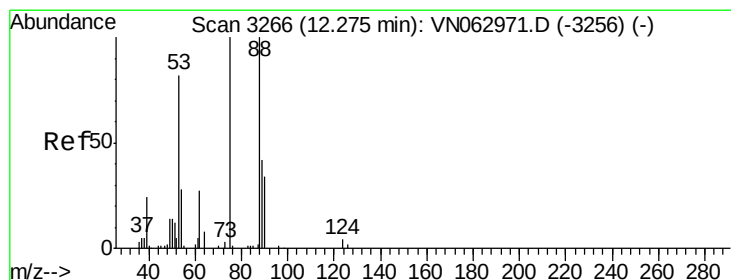
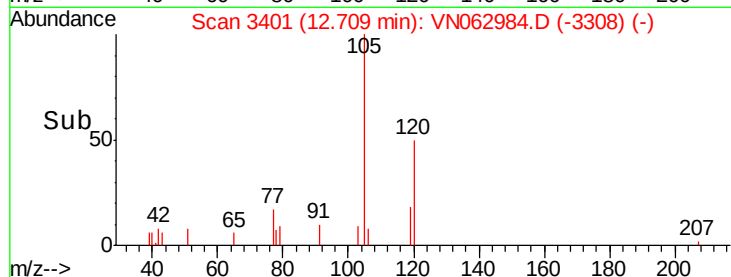
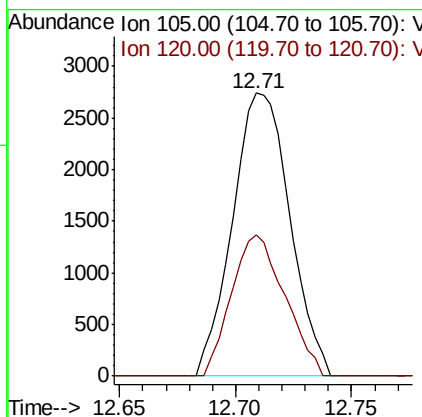
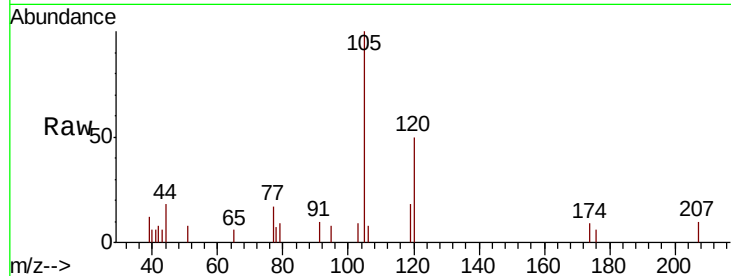




#80
 1,3,5-Trimethylbenzene
 Concen: 0.670 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

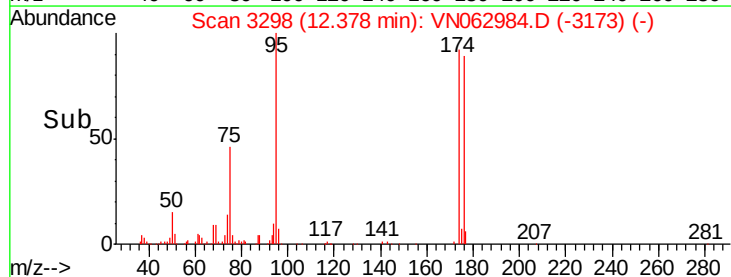
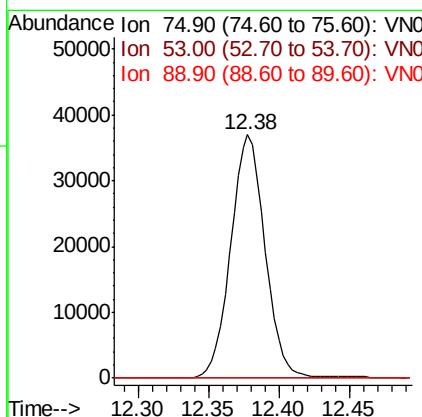
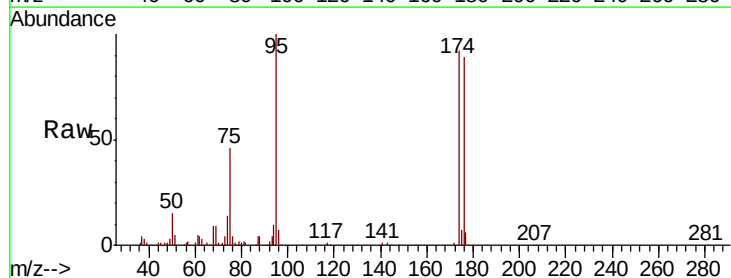
Instrument :
 MSVOA_N
 ClientSampled :
 PB130988TB

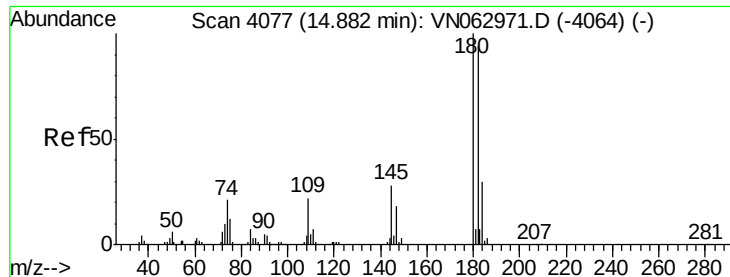
Tot Ion:105 Resp: 4713
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.410 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

Tgt Ion: 75 Resp: 62904
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.2 99.2#
 89 0.0 35.0 52.4#

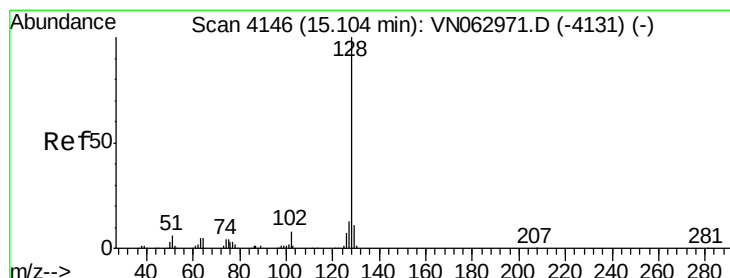
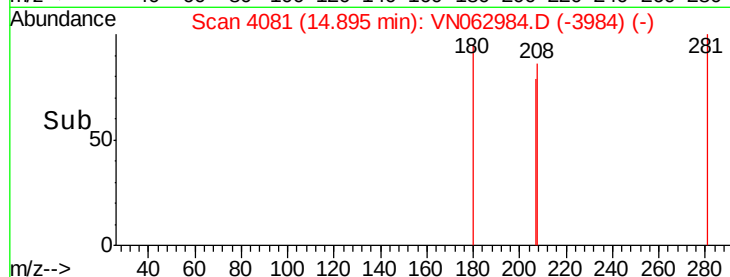
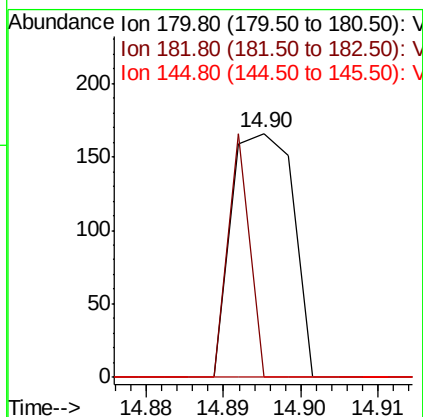
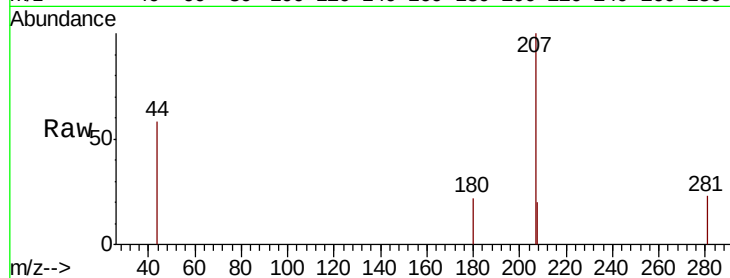




#93
 1,2,4-Trichlorobenzene
 Concen: 4.322 ug/l
 RT: 14.90 min Scan# 4081
 Delta R.T. 0.01 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

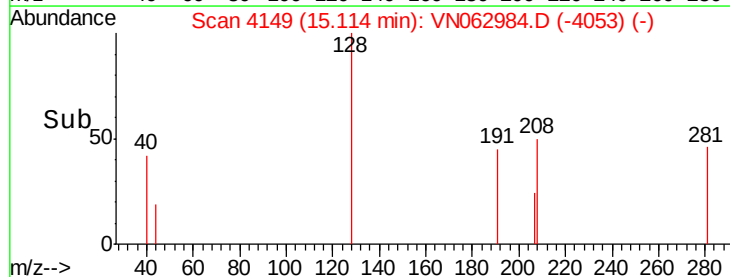
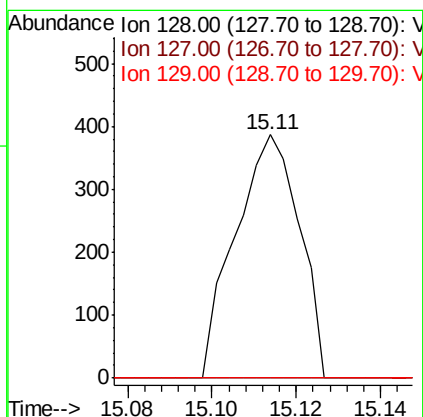
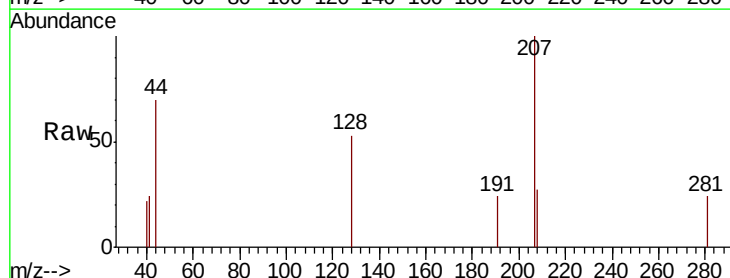
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130988TB

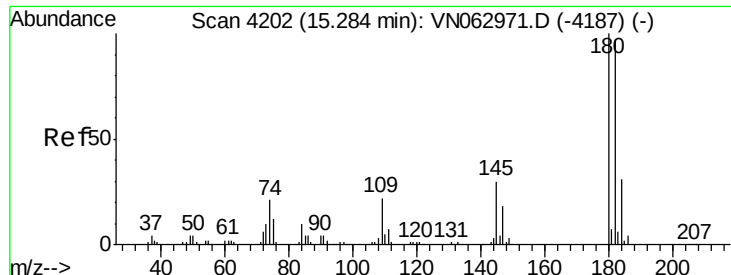
Tot Ion:180 Resp: 92
 Ion Ratio Lower Upper
 180 100
 182 34.8 47.8 143.3#
 145 0.0 13.9 41.7#



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN062984.D
 Acq: 17 Aug 2020 21:32

Tgt Ion:128 Resp: 408
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 3.805 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062984.D

Acq: 17 Aug 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

PB130988TB

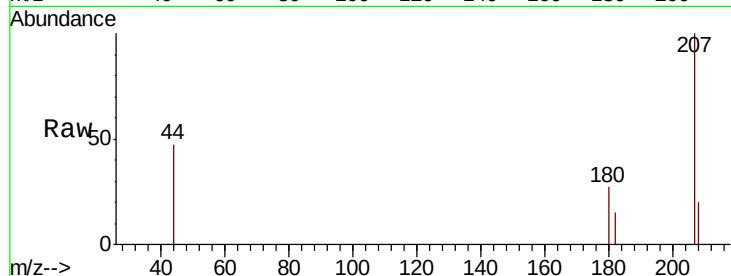
Tot Ion:180 Resp: 189

Ion Ratio Lower Upper

180 100

182 15.9 49.3 147.8#

145 0.0 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

