

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062679.D
 Acq On : 31 Jul 2020 12:40
 Operator : JC/MD
 Sample : PB130640ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#02

Quant Time: Aug 01 06:04:03 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	134762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	240291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	116600	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
35) Dibromofluoromethane	7.55	113	81358	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.06	98	325421	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.38	95	117481	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

Target Compounds

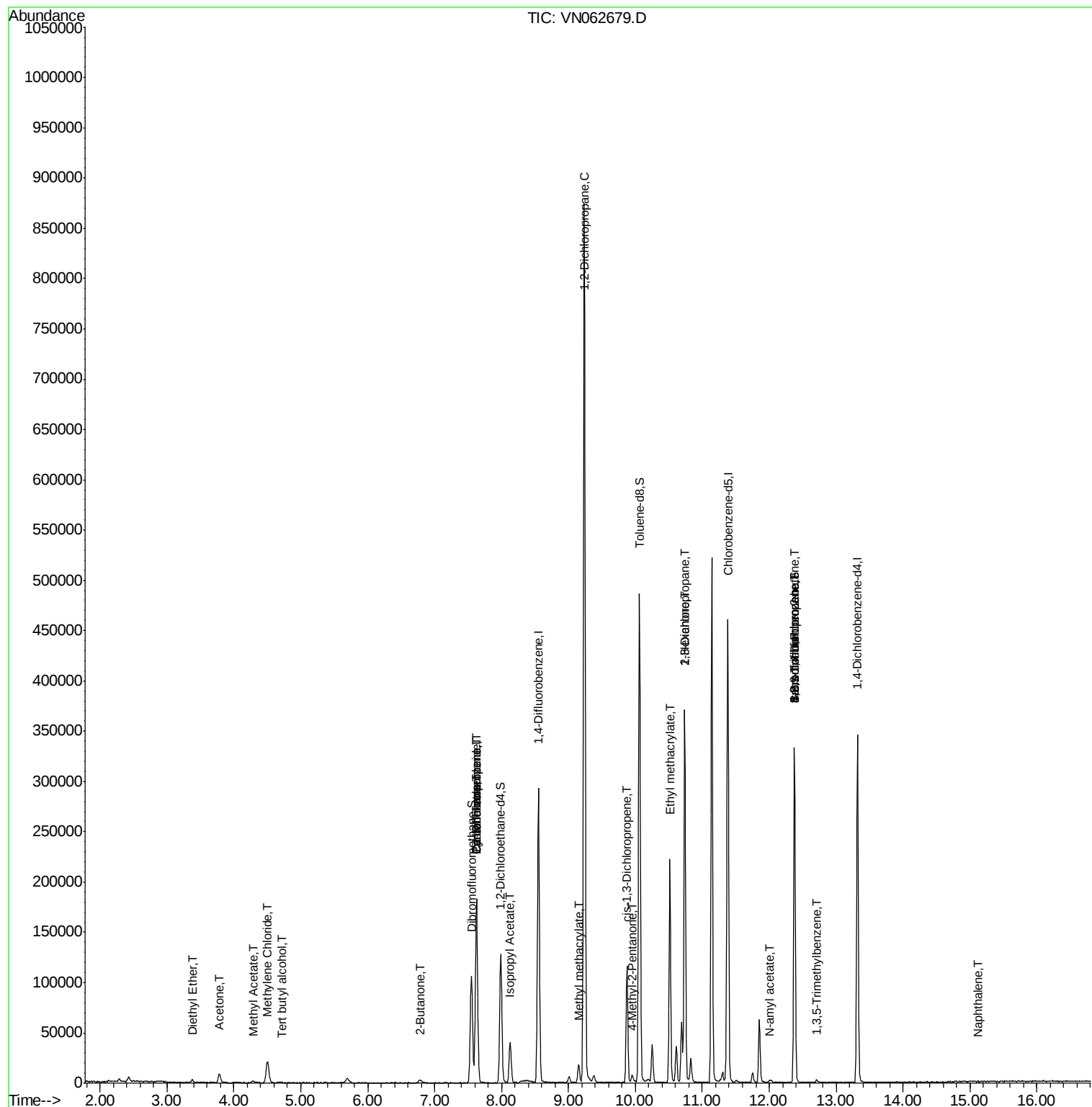
						Qvalue
8) Diethyl Ether	3.37	74	1486	1.432	ug/l	94
11) Tert butyl alcohol	4.73	59	403	1.210	ug/l #	73
16) Acetone	3.78	43	14742	18.713	ug/l	99
18) Methyl Acetate	4.28	43	4231	2.122	ug/l #	79
20) Methylene Chloride	4.50	84	15813	8.369	ug/l	89
25) 2-Butanone	6.79	43	520	0.433	ug/l #	52
31) Cyclohexane	7.62	56	2983	0.967	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12220	4.771	ug/l #	46
38) Carbon Tetrachloride	7.63	117	14774	6.001	ug/l #	19
43) Isopropyl Acetate	8.13	43	48049	10.796	ug/l #	88
45) 1,2-Dichloropropane	9.23	63	1194	0.548	ug/l #	44
48) Methyl methacrylate	9.15	41	2752	1.301	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5337	2.004	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	20038	6.153	ug/l #	65
56) Ethyl methacrylate	10.51	69	985	2.072	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3566	1.115	ug/l #	42
59) 2-Hexanone	10.74	43	54994	29.345	ug/l #	54
71) Bromoform	12.37	173	411	0.278	ug/l #	1
74) N-amyl acetate	12.01	43	2439	0.774	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	65399	28.810	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2007	0.343	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	65399	80.201	ug/l #	12
95) Naphthalene	15.10	128	437	3.863	ug/l #	69

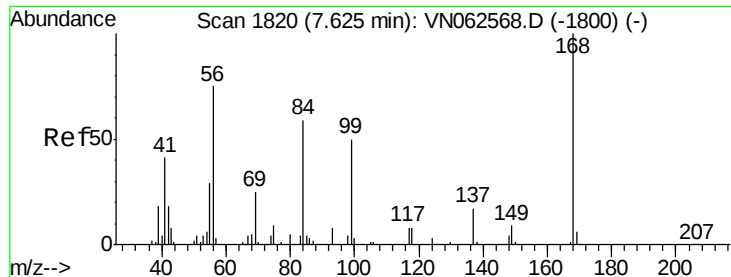
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062679.D
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Quant Time: Aug 01 06:04:03 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# 1820

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

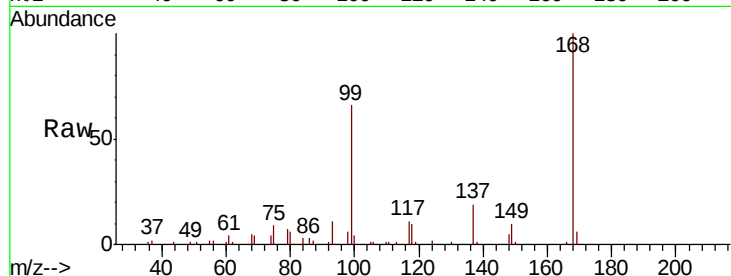
PB130640ZHE#02

Tot Ion:168 Resp: 134762

Ion Ratio Lower Upper

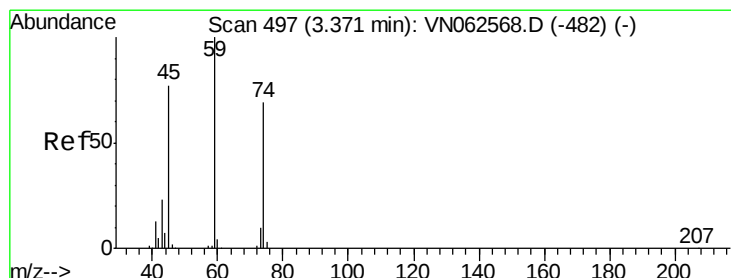
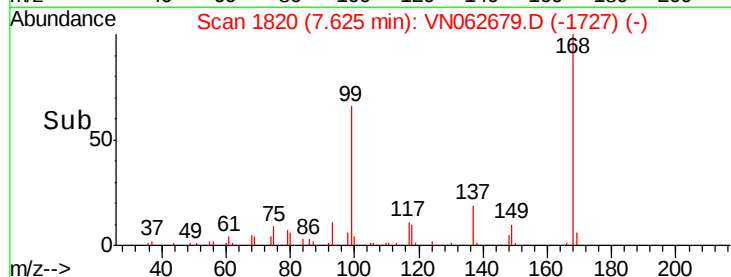
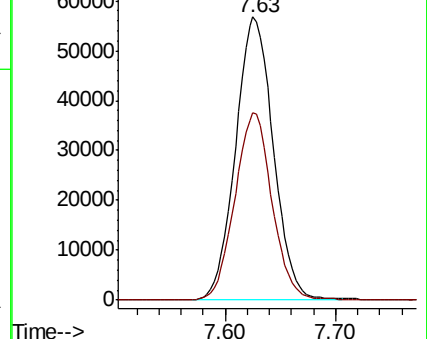
168 100

99 66.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#8

Diethyl Ether

Concen: 1.432 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062679.D

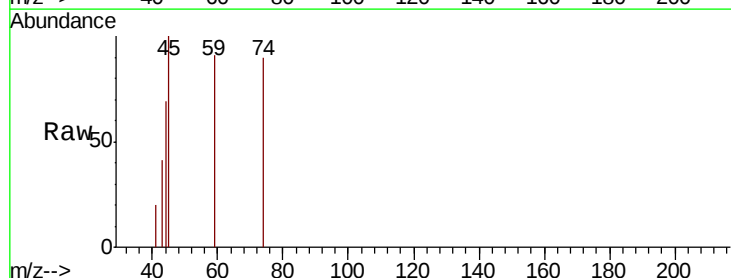
Acq: 31 Jul 2020 12:40

Tgt Ion: 74 Resp: 1486

Ion Ratio Lower Upper

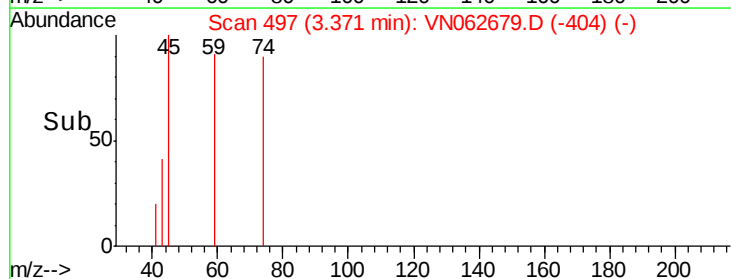
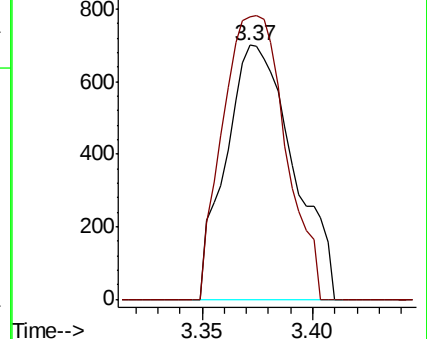
74 100

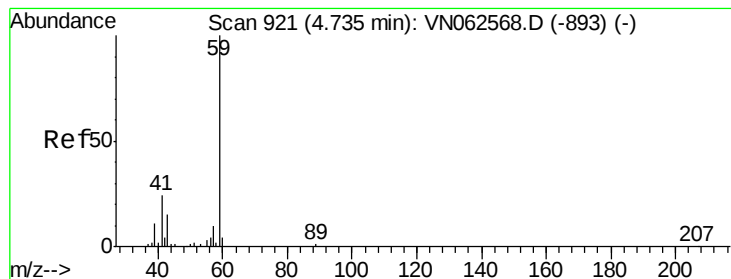
45 103.8 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#11

Tert butyl alcohol

Concen: 1.210 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

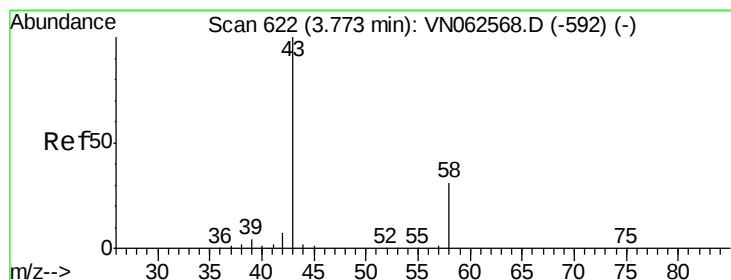
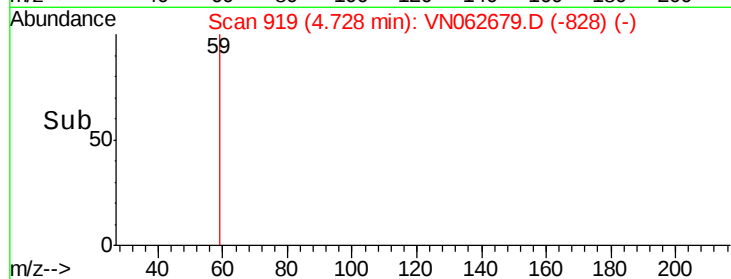
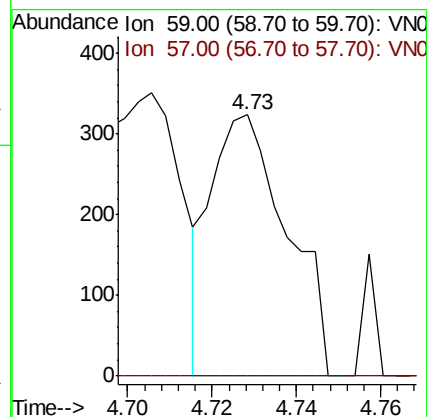
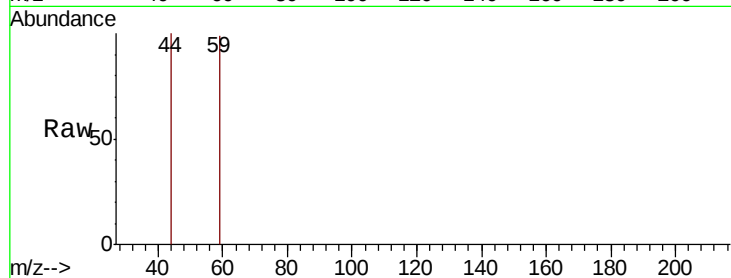
PB130640ZHE#02

Tot Ion: 59 Resp: 403

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 18.713 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062679.D

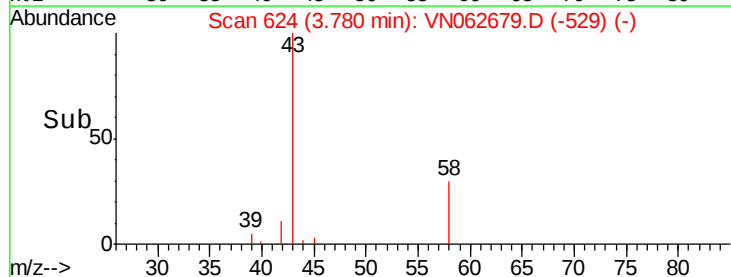
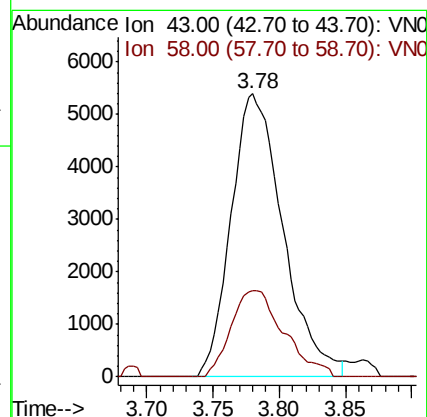
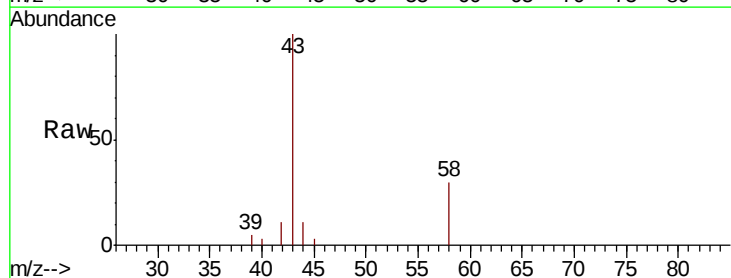
Acq: 31 Jul 2020 12:40

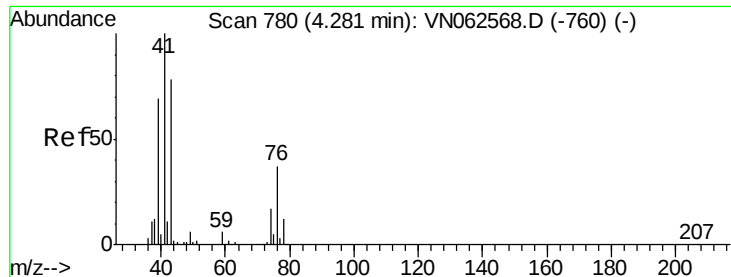
Tgt Ion: 43 Resp: 14742

Ion Ratio Lower Upper

43 100

58 30.3 24.6 37.0

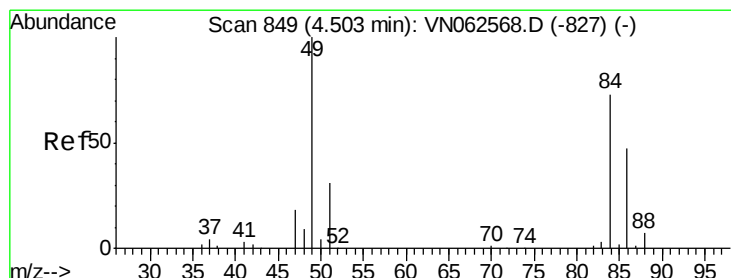
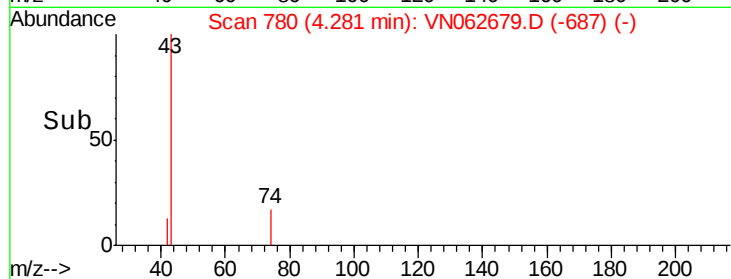
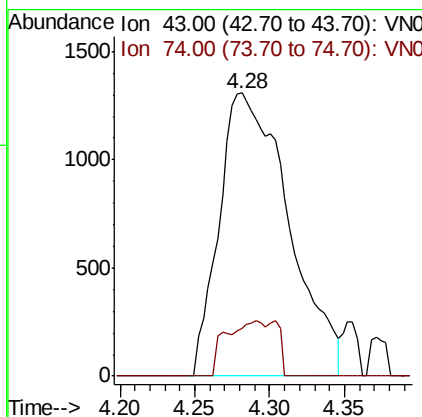
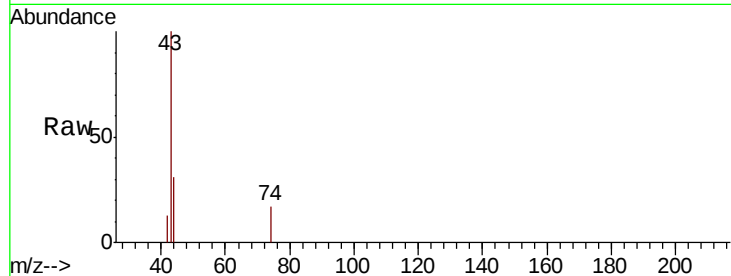




#18
Methyl Acetate
Concen: 2.122 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

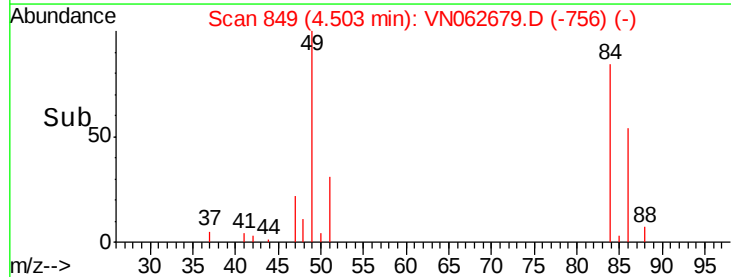
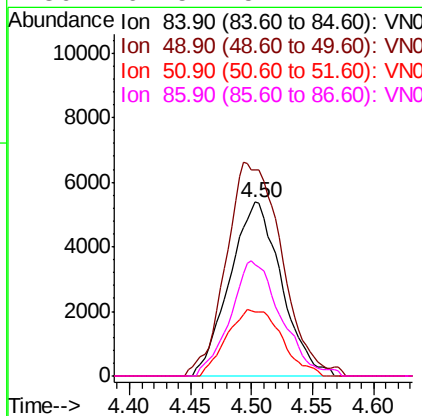
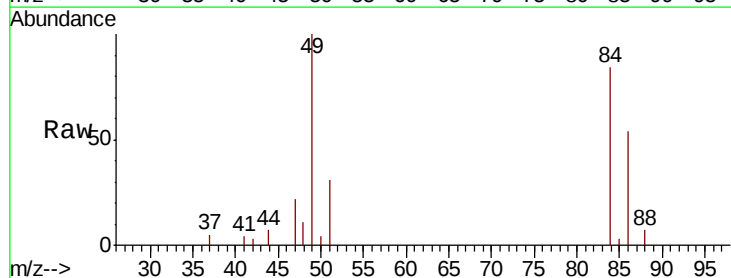
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#02

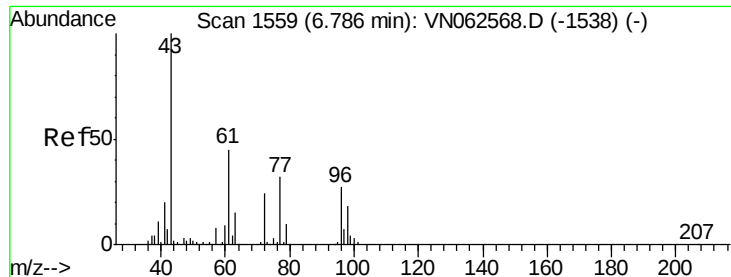
Tot Ion: 43 Resp: 4231
Ion Ratio Lower Upper
43 100
74 11.1 16.6 24.8#



#20
Methylene Chloride
Concen: 8.369 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

Tgt Ion: 84 Resp: 15813
Ion Ratio Lower Upper
84 100
49 115.5 109.4 164.0
51 37.0 33.6 50.4
86 64.5 51.4 77.2

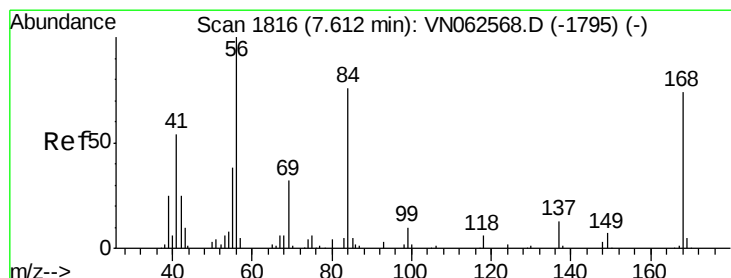
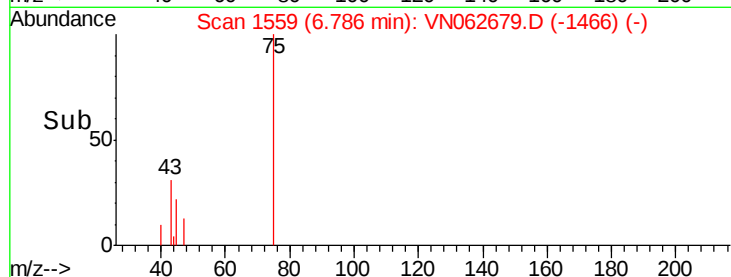
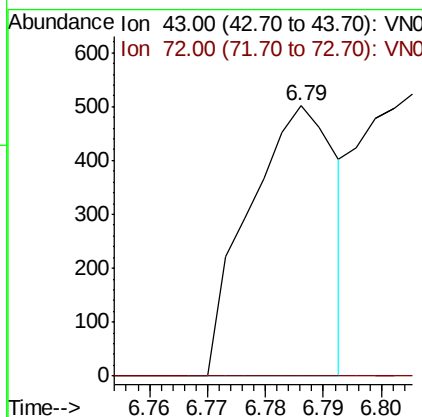
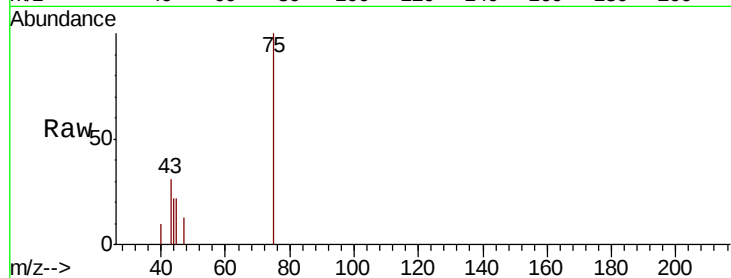




#25
2-Butanone
Concen: 0.433 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

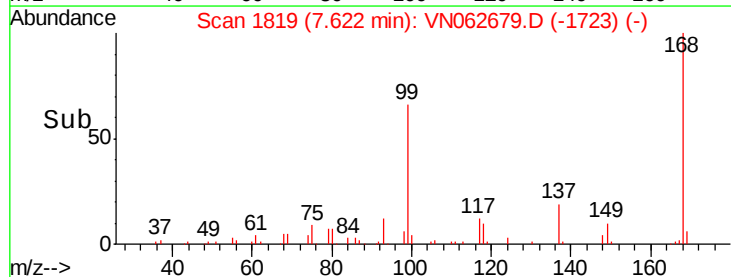
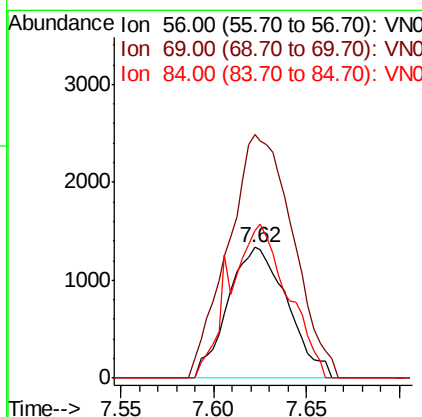
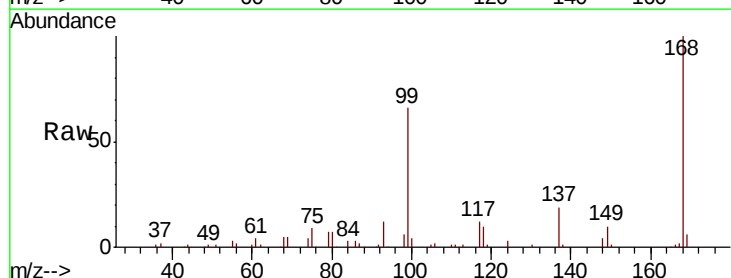
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#02

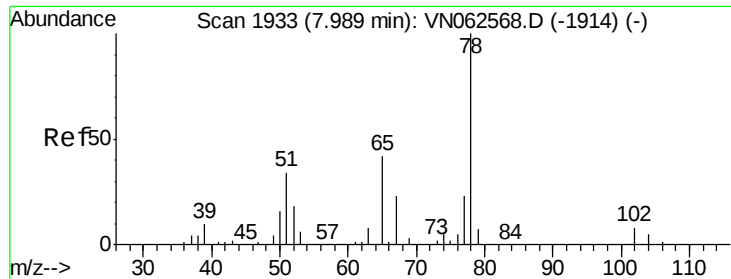
Tot Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

Tgt Ion: 56 Resp: 2983
Ion Ratio Lower Upper
56 100
69 186.7 25.3 37.9#
84 113.7 61.0 91.4#

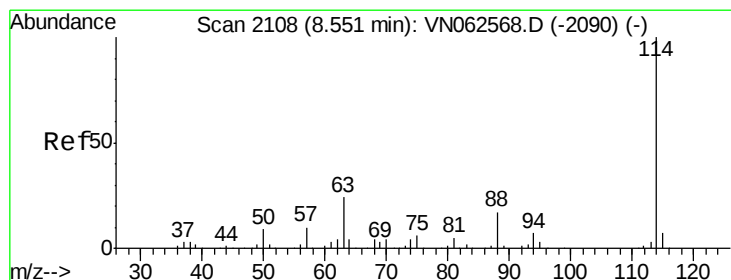
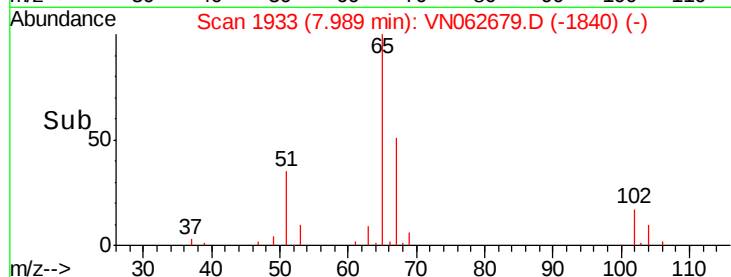
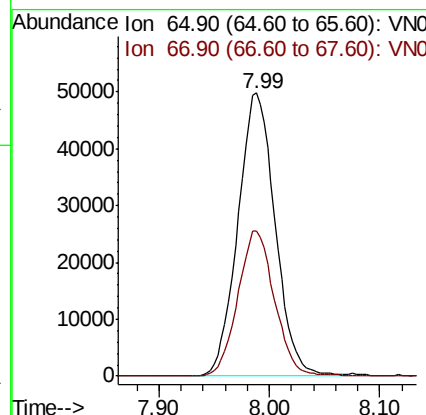
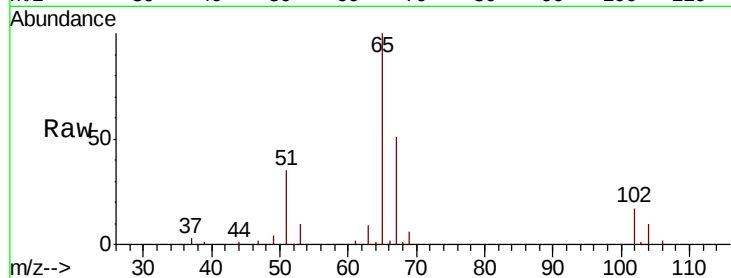




#33
 1,2-Dichloroethane-d4
 Concen: 55.697 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

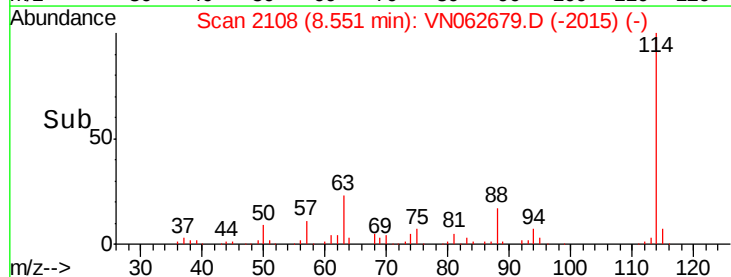
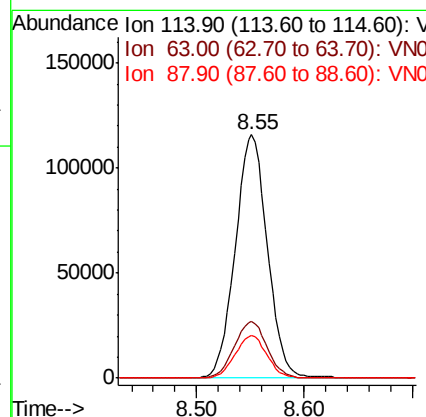
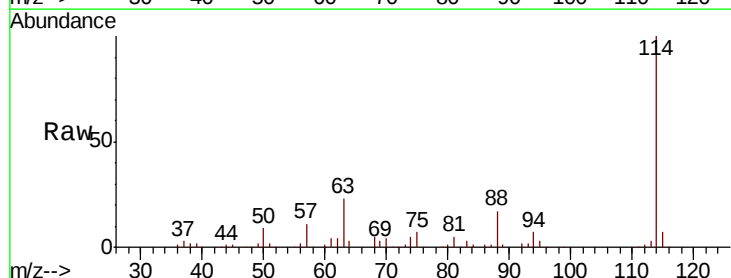
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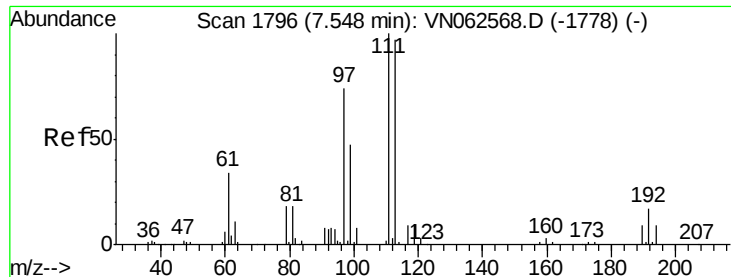
Tot Ion: 65 Resp: 116600
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

Tgt Ion: 114 Resp: 240291
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.4
 88 17.4 0.0 33.8

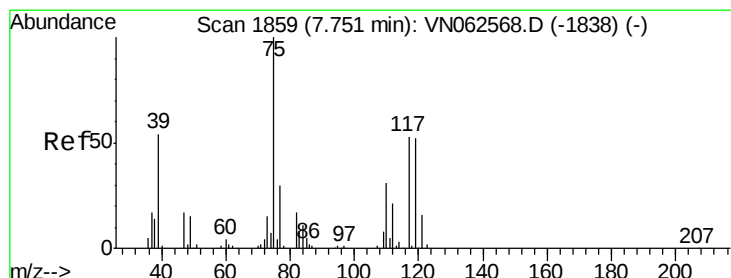
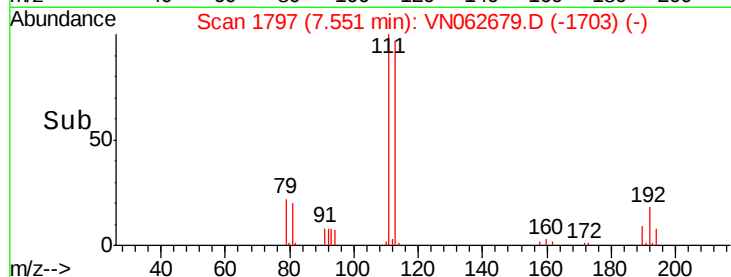
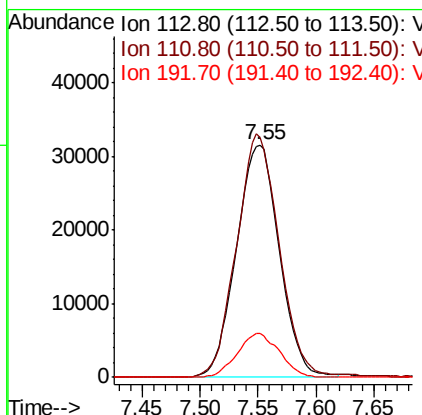
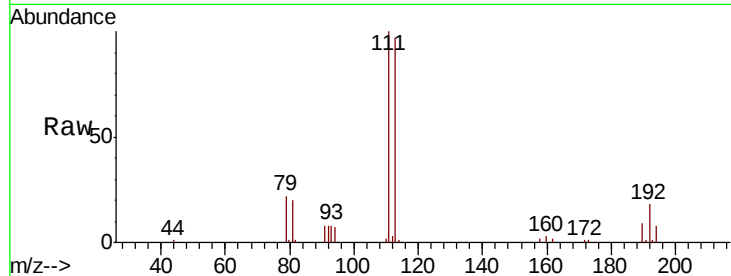




#35
Dibromofluoromethane
Concen: 51.546 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

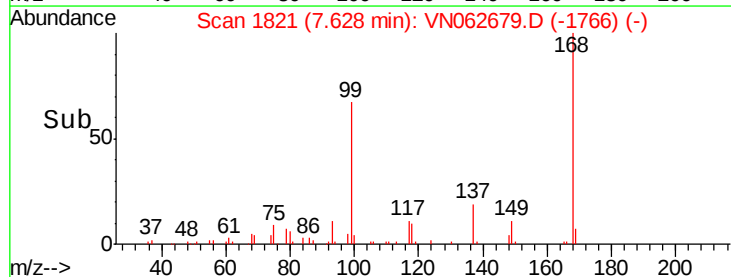
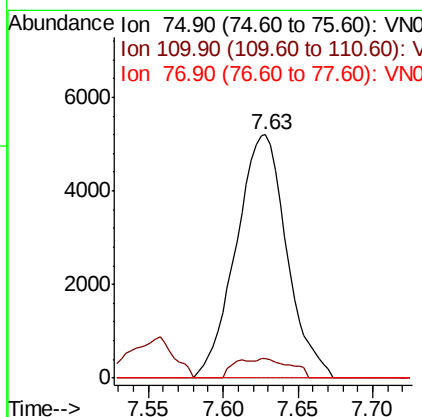
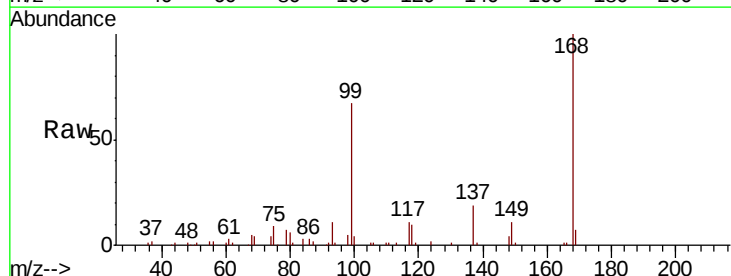
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PB130640ZHE#02

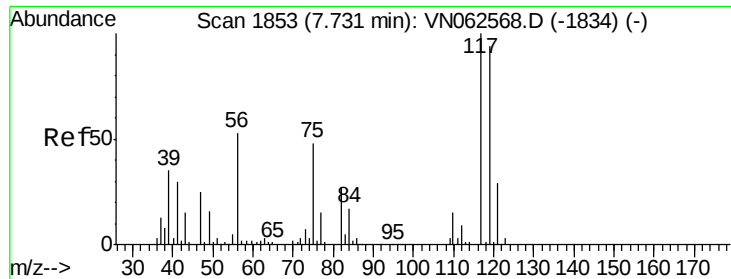
Tot Ion:113 Resp: 81358
Ion Ratio Lower Upper
113 100
111 103.6 82.7 124.1
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.12 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

Tgt Ion: 75 Resp: 12220
Ion Ratio Lower Upper
75 100
110 3.1 16.0 48.0#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#02

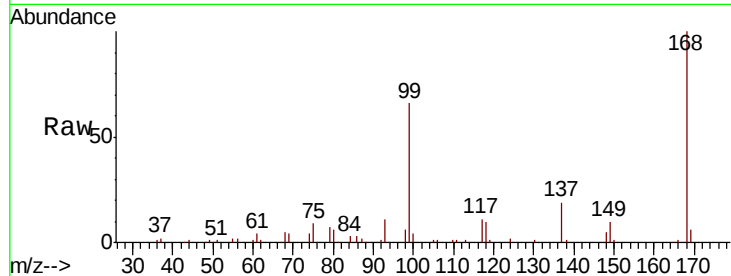
Tot Ion:117 Resp: 14774

Ion Ratio Lower Upper

117 100

119 7.4 74.8 112.2#

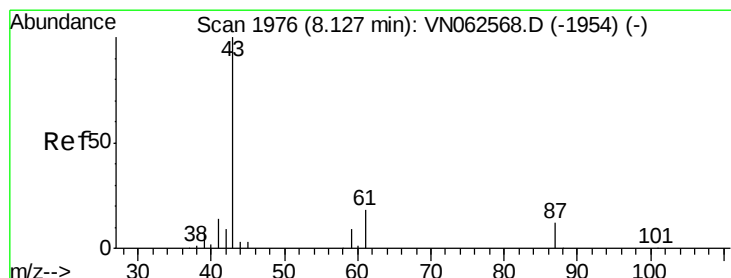
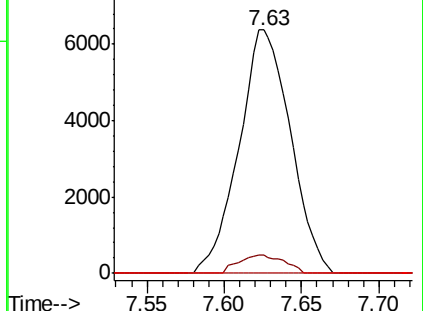
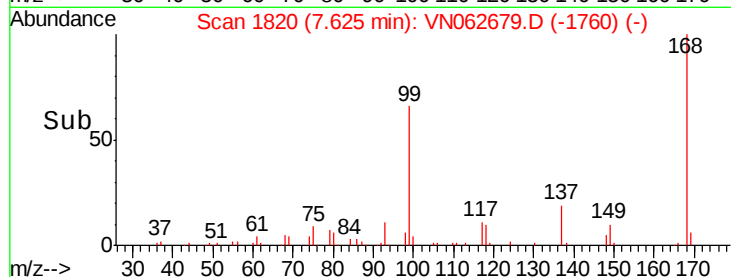
121 0.0 23.0 34.6#



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: 10.796 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

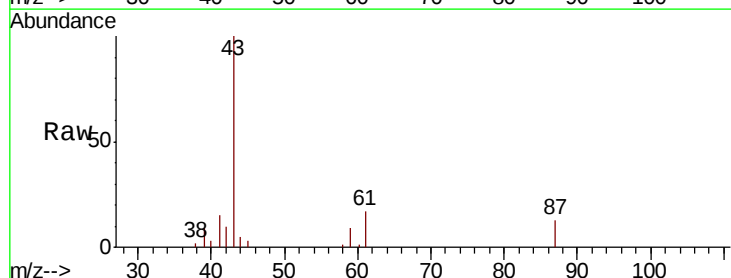
Tgt Ion: 43 Resp: 48049

Ion Ratio Lower Upper

43 100

61 18.4 20.8 31.2#

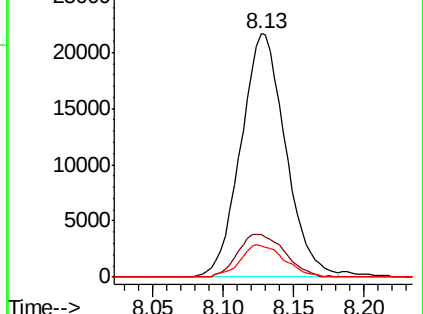
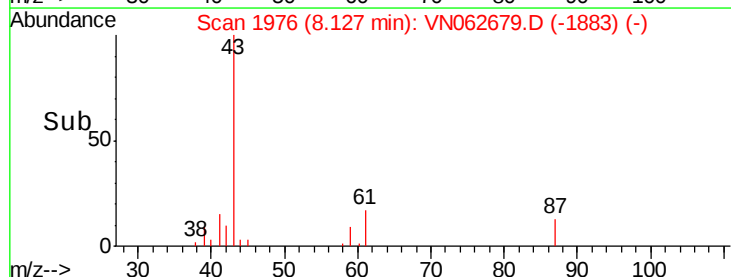
87 13.0 9.2 13.8

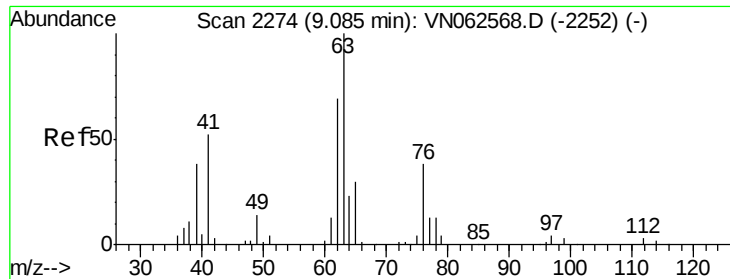


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.548 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

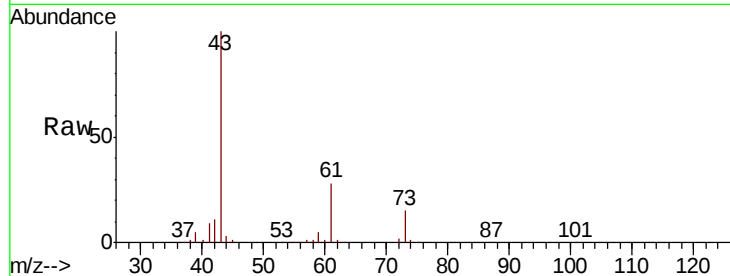
PB130640ZHE#02

Tot Ion: 63 Resp: 1194

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

9.23

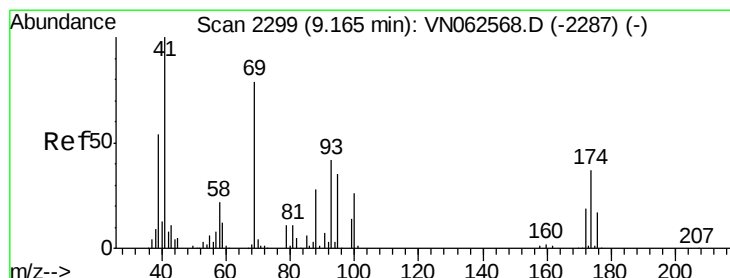
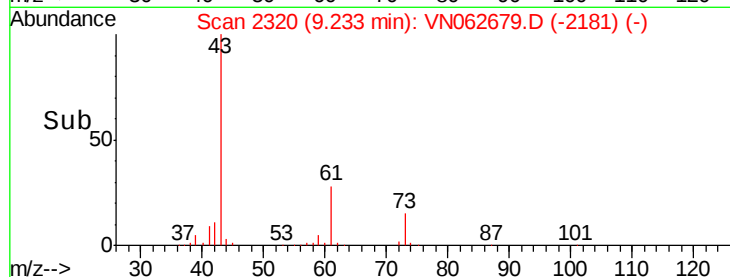
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.301 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

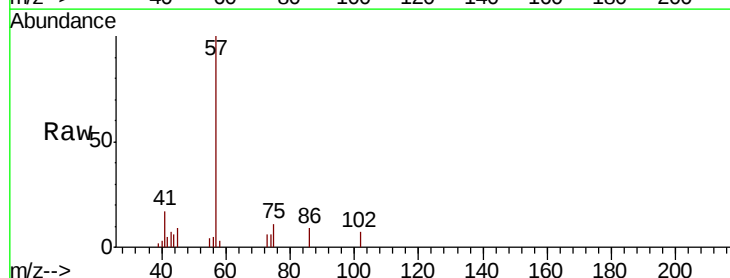
Tgt Ion: 41 Resp: 2752

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

40000

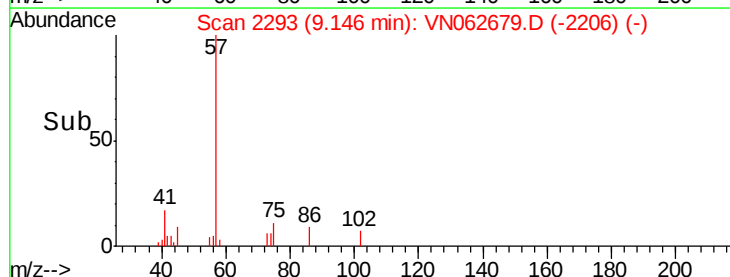
30000

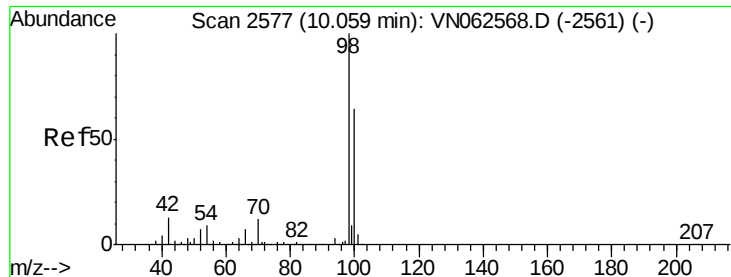
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 51.674 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

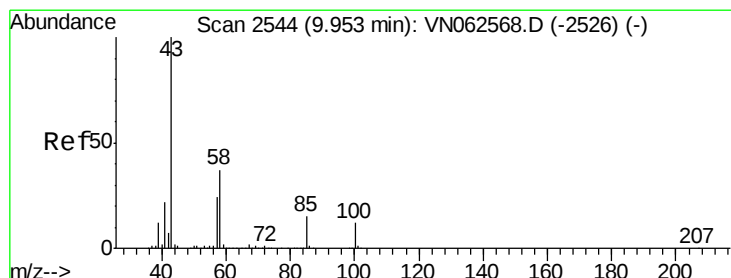
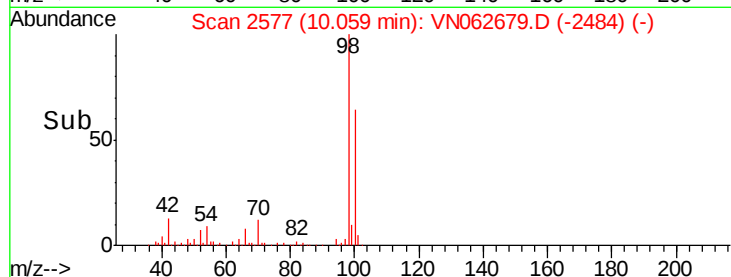
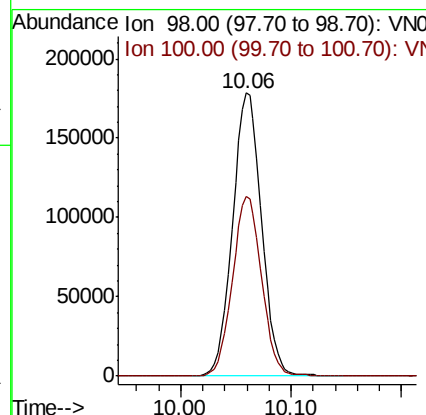
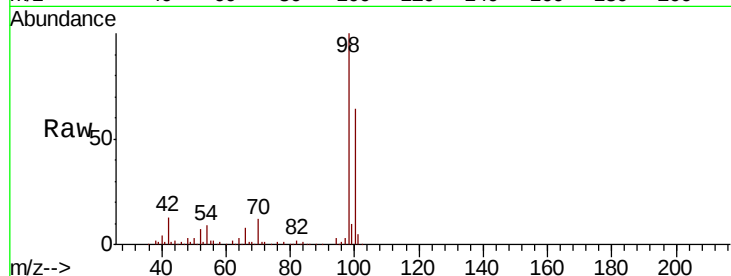
PB130640ZHE#02

Tot Ion: 98 Resp: 325421

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 2.004 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062679.D

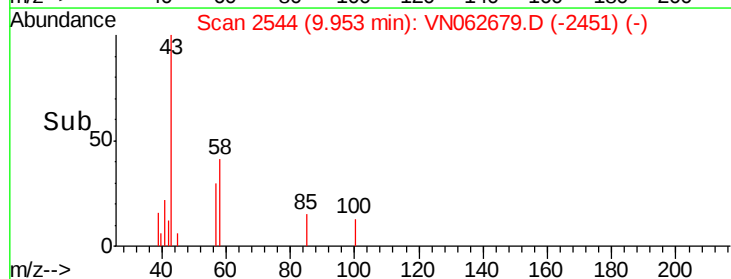
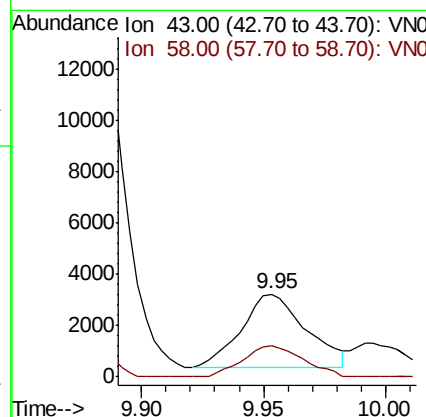
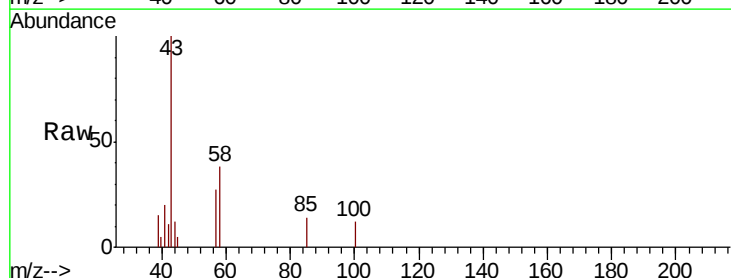
Acq: 31 Jul 2020 12:40

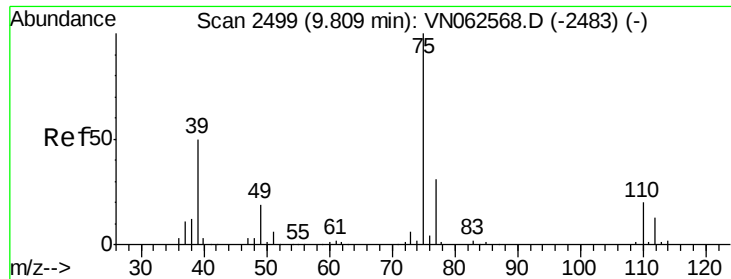
Tgt Ion: 43 Resp: 5337

Ion Ratio Lower Upper

43 100

58 39.0 29.8 44.6

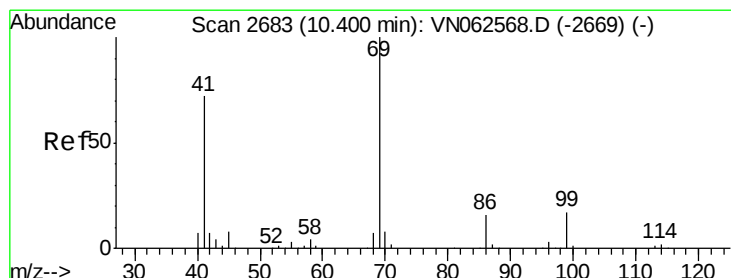
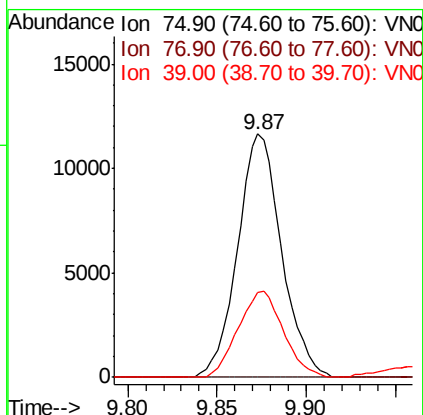
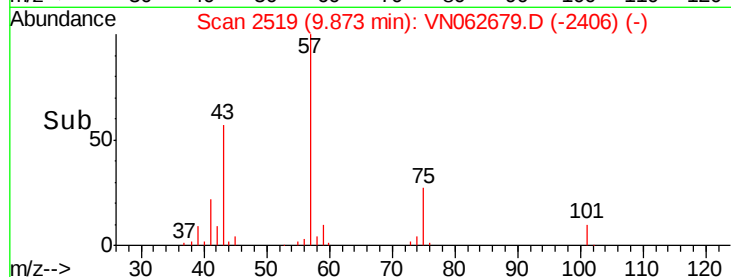
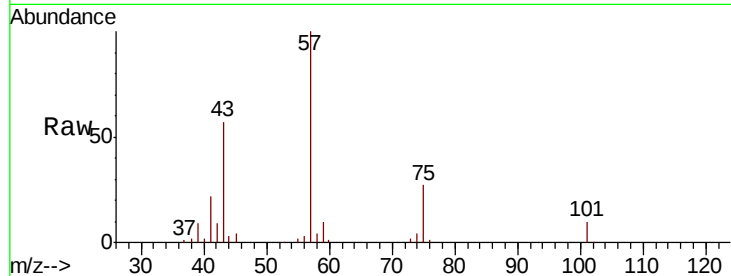




#54
 cis-1,3-Dichloropropene
 Concen: 6.153 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

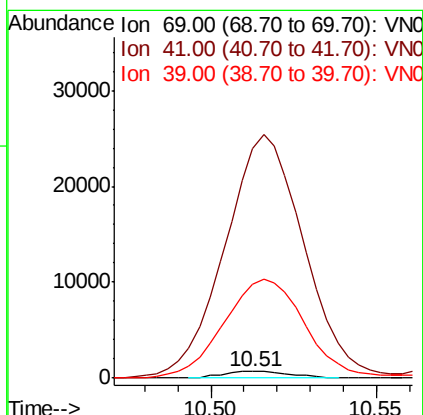
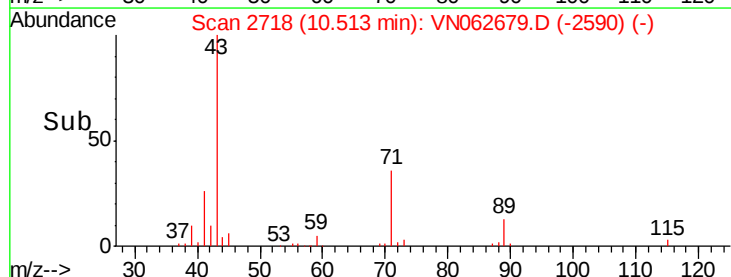
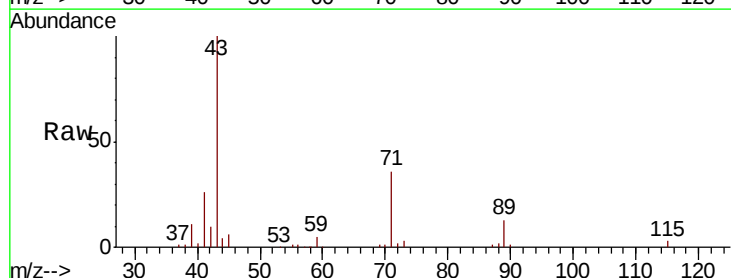
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#02

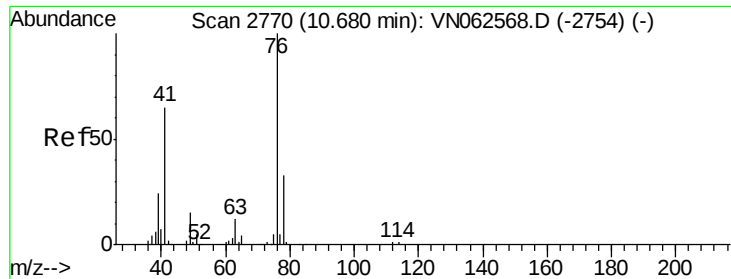
Tot Ion: 75 Resp: 20038
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 34.6 39.8 59.8#



#56
 Ethyl methacrylate
 Concen: 2.072 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

Tgt Ion: 69 Resp: 985
 Ion Ratio Lower Upper
 69 100
 41 4302.1 57.2 85.8#
 39 1779.3 28.6 43.0#

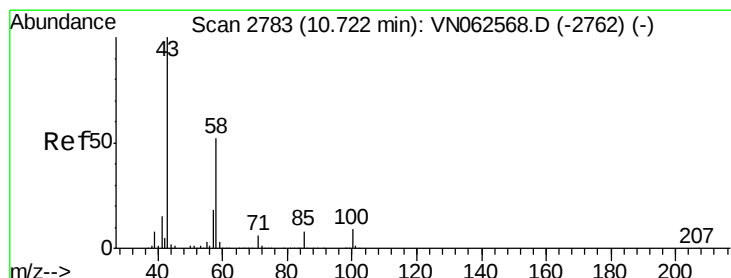
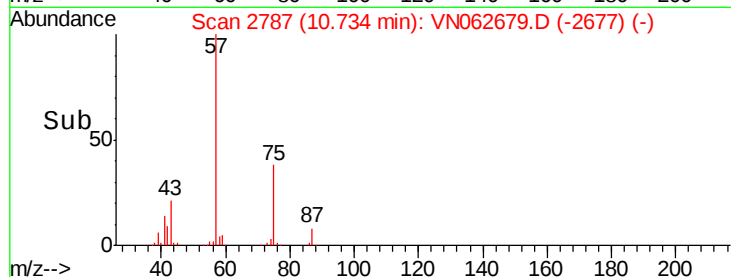
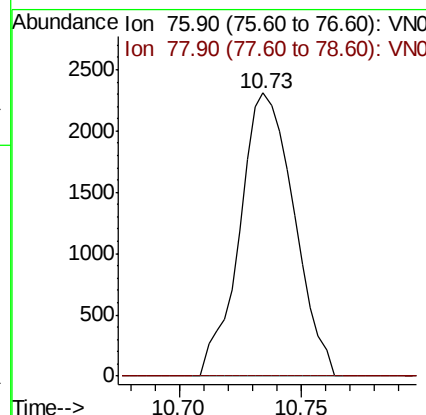
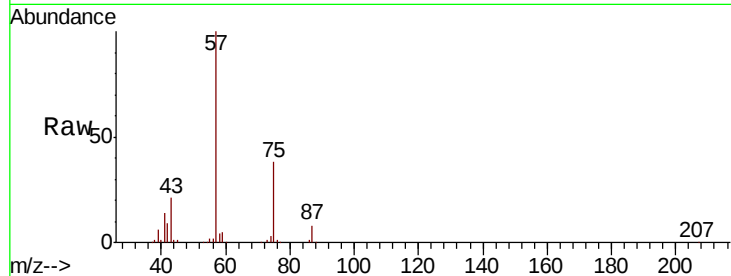




#57
 1,3-Dichloropropane
 Concen: 1.115 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

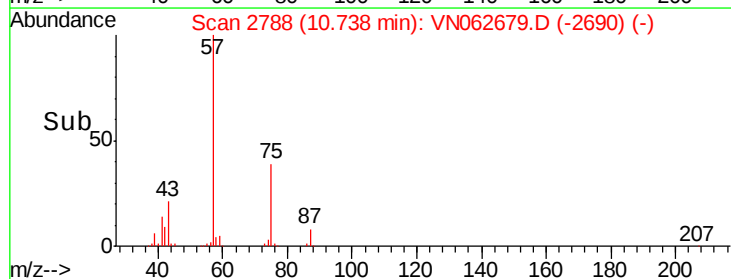
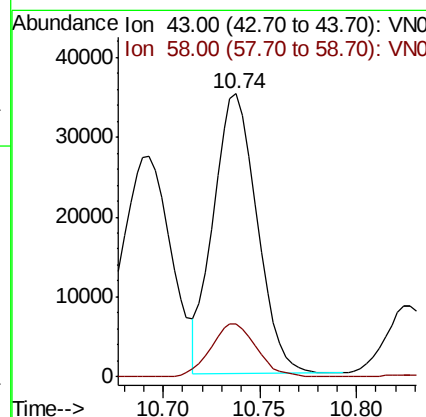
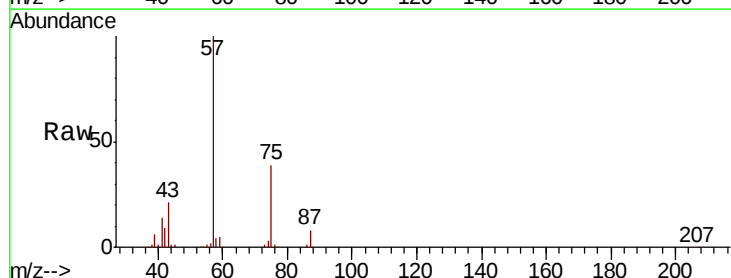
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#02

Tot Ion: 76 Resp: 3566
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 29.345 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

Tgt Ion: 43 Resp: 54994
 Ion Ratio Lower Upper
 43 100
 58 19.9 26.0 78.0#

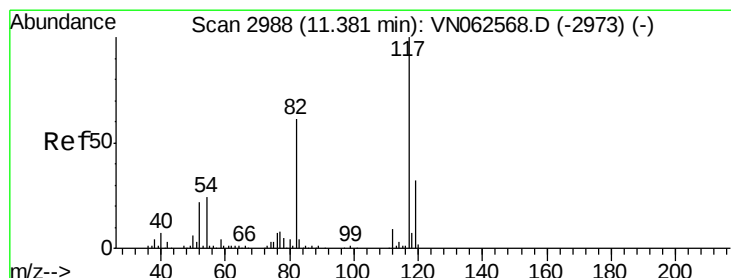
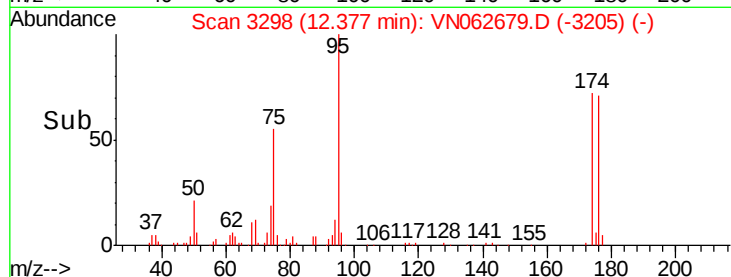
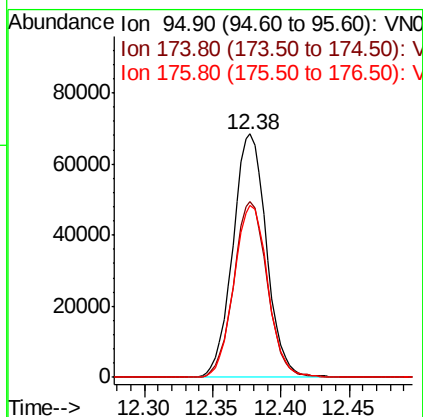
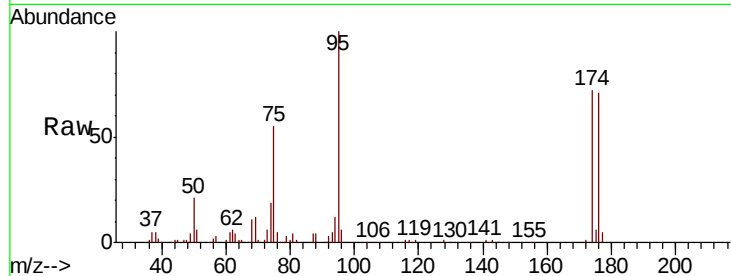




#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

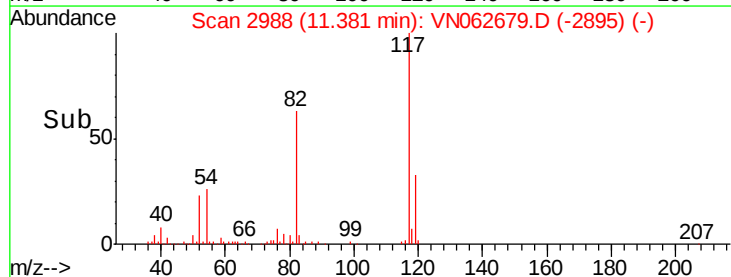
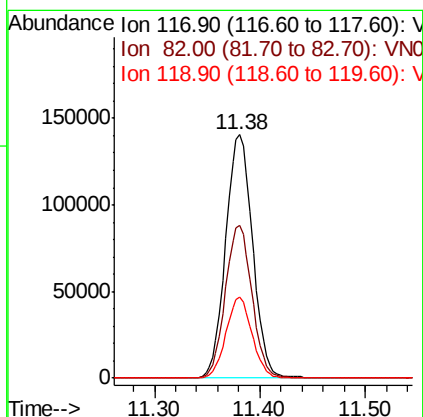
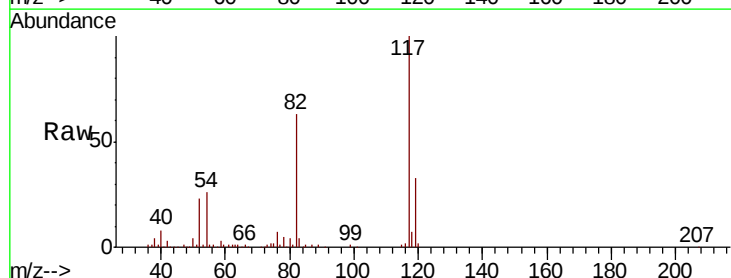
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#02

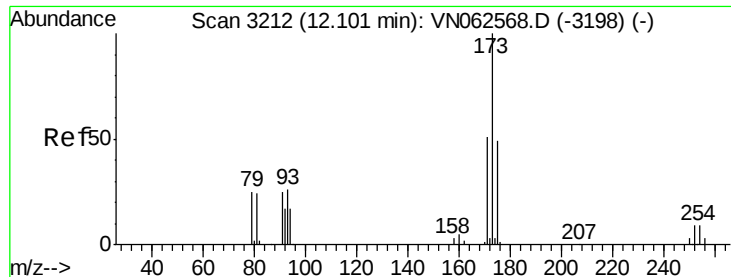
Tot Ion: 95 Resp: 117481
Ion Ratio Lower Upper
95 100
174 71.9 0.0 144.6
176 71.2 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062679.D
Acq: 31 Jul 2020 12:40

Tgt Ion: 117 Resp: 249234
Ion Ratio Lower Upper
117 100
82 62.6 49.0 73.6
119 33.1 25.4 38.2





#71

Bromoform

Concen: 0.278 ug/l

RT: 12.37 min Scan# 3296

Delta R.T. 0.27 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#02

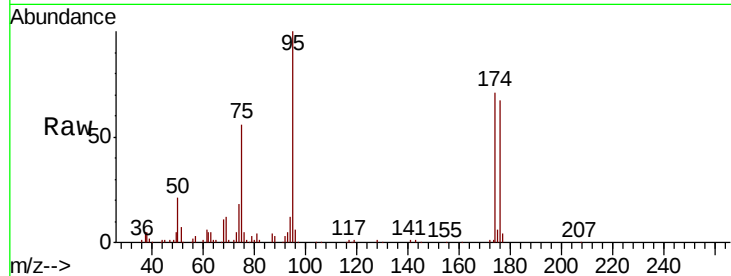
Tot Ion:173 Resp: 411

Ion Ratio Lower Upper

173 100

175 1396.1 24.1 72.2#

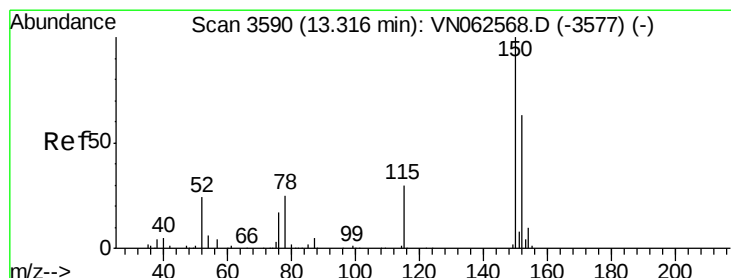
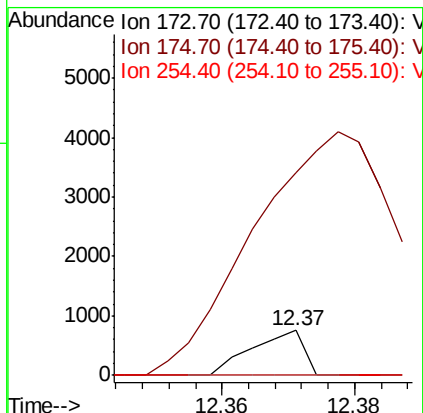
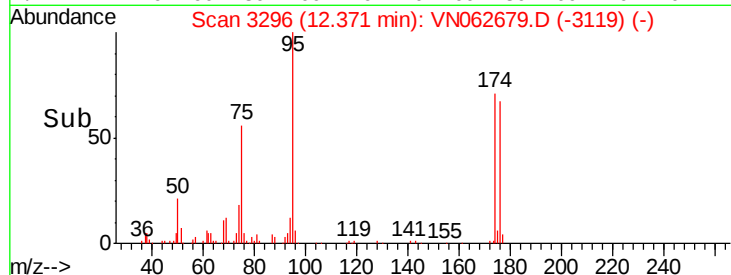
254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

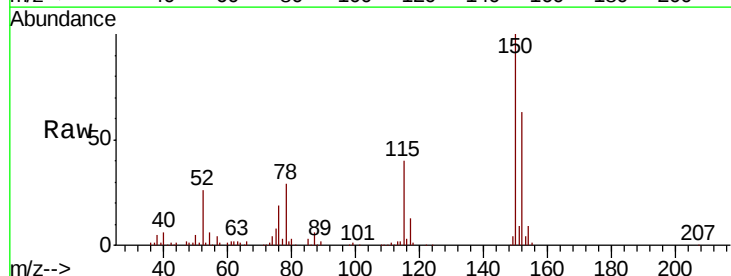
Tgt Ion:152 Resp: 89182

Ion Ratio Lower Upper

152 100

115 64.0 31.8 95.4

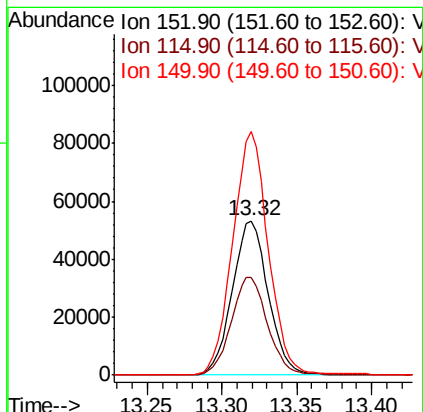
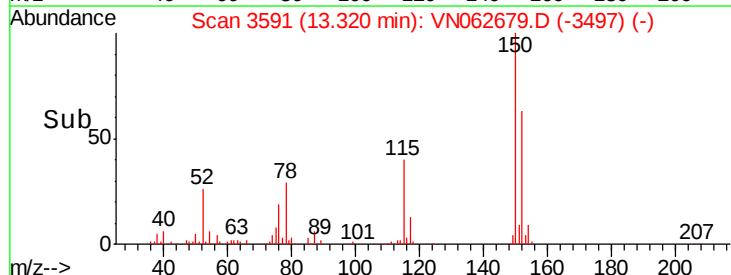
150 156.5 0.0 351.4

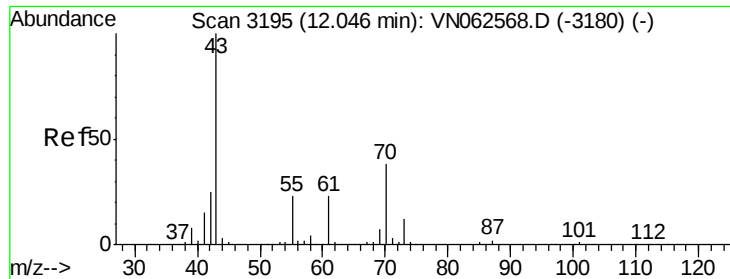


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.774 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#02

Tot Ion: 43 Resp: 2439

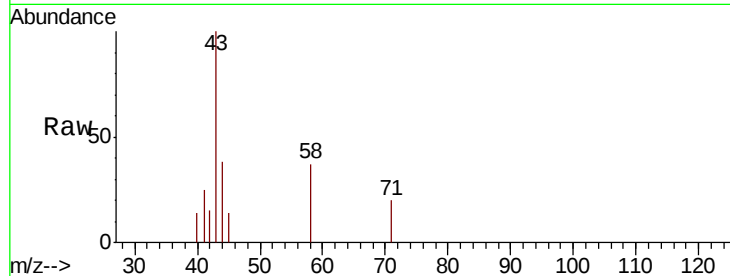
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

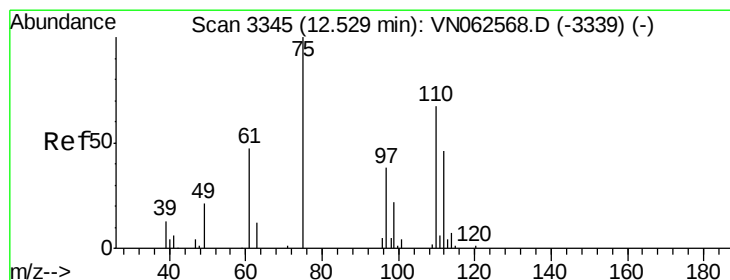
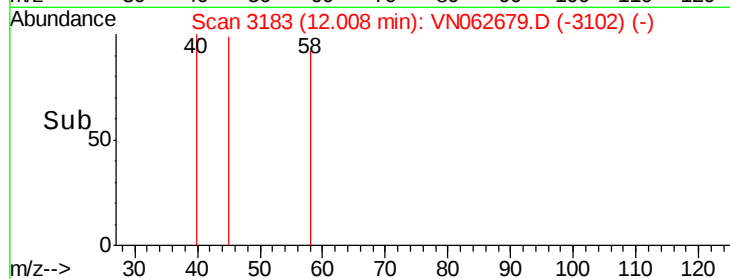
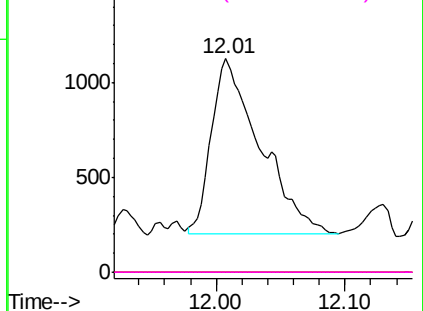


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.810 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062679.D

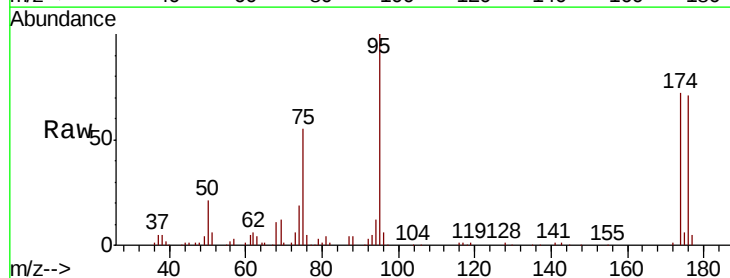
Acq: 31 Jul 2020 12:40

Tgt Ion: 75 Resp: 65399

Ion Ratio Lower Upper

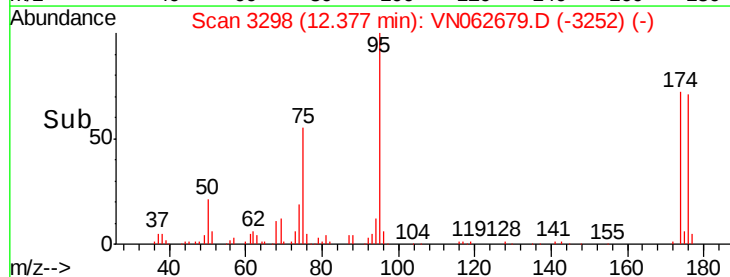
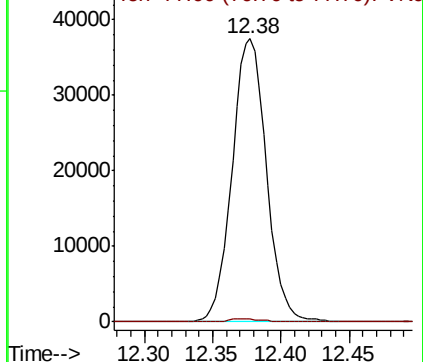
75 100

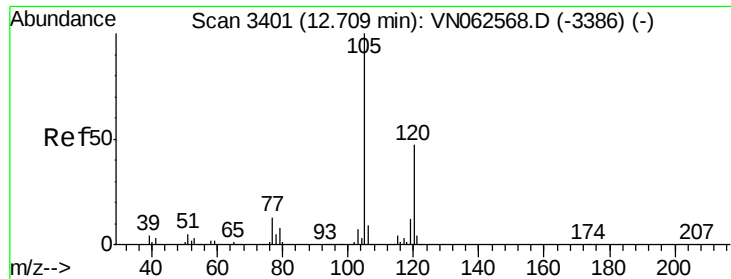
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

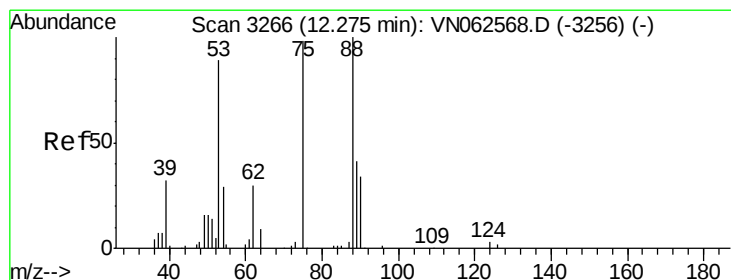
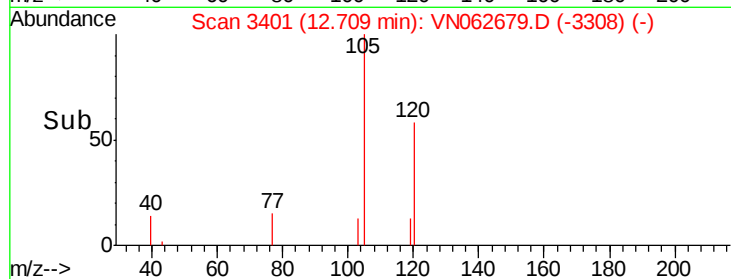
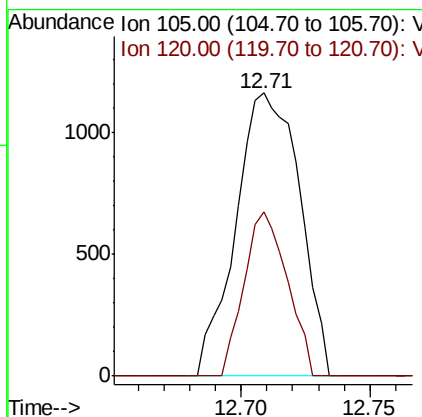
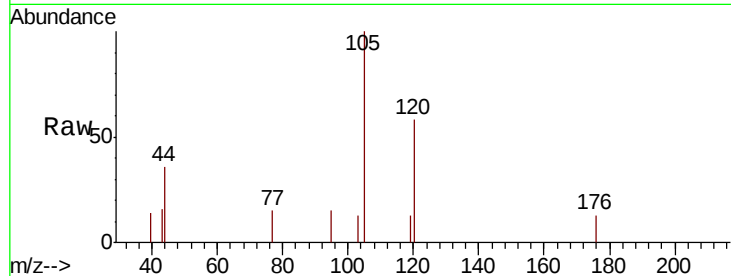




#80
 1,3,5-Trimethylbenzene
 Concen: 0.343 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

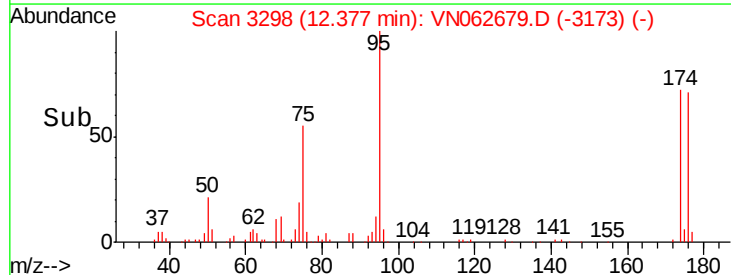
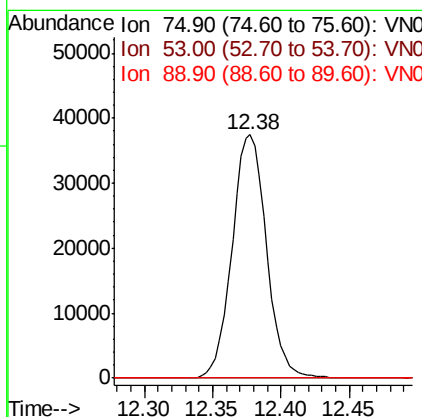
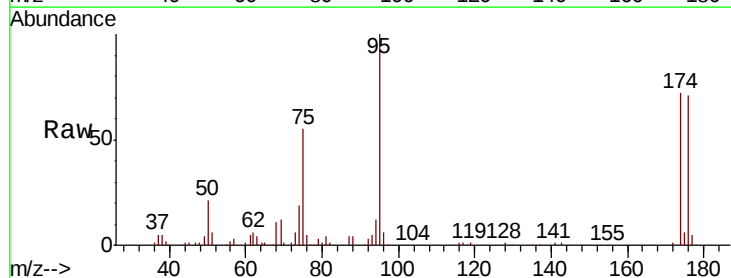
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#02

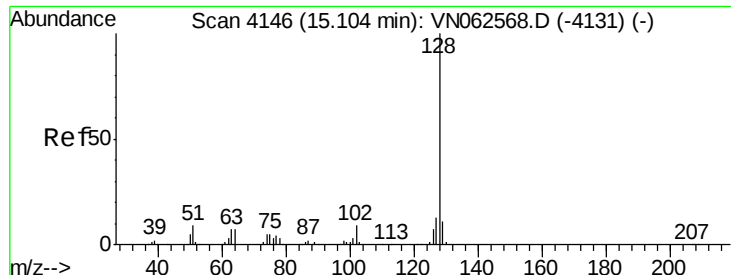
Tot Ion:105 Resp: 2007
 Ion Ratio Lower Upper
 105 100
 120 39.3 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.201 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062679.D
 Acq: 31 Jul 2020 12:40

Tgt Ion: 75 Resp: 65399
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 3.863 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062679.D

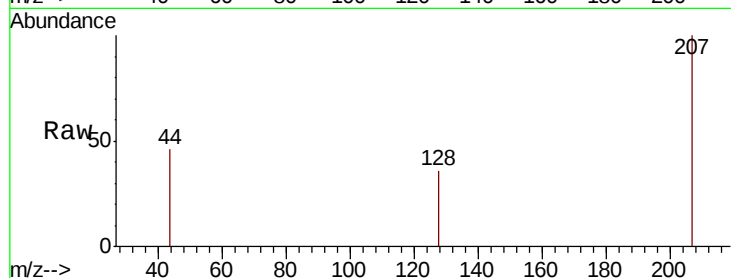
Acq: 31 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#02



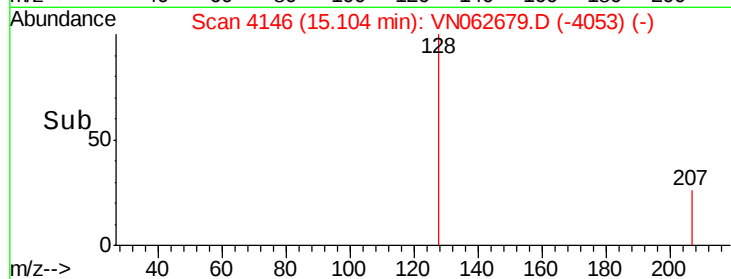
Tot Ion:128 Resp: 437

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

