

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061858.D
 Acq On : 17 Jun 2020 19:03
 Operator : JC/MD
 Sample : L3003-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0570DL

Quant Time: Jun 18 03:56:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	140855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	92255	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	7.55	113	81082	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.06	98	314575	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.38	95	105689	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

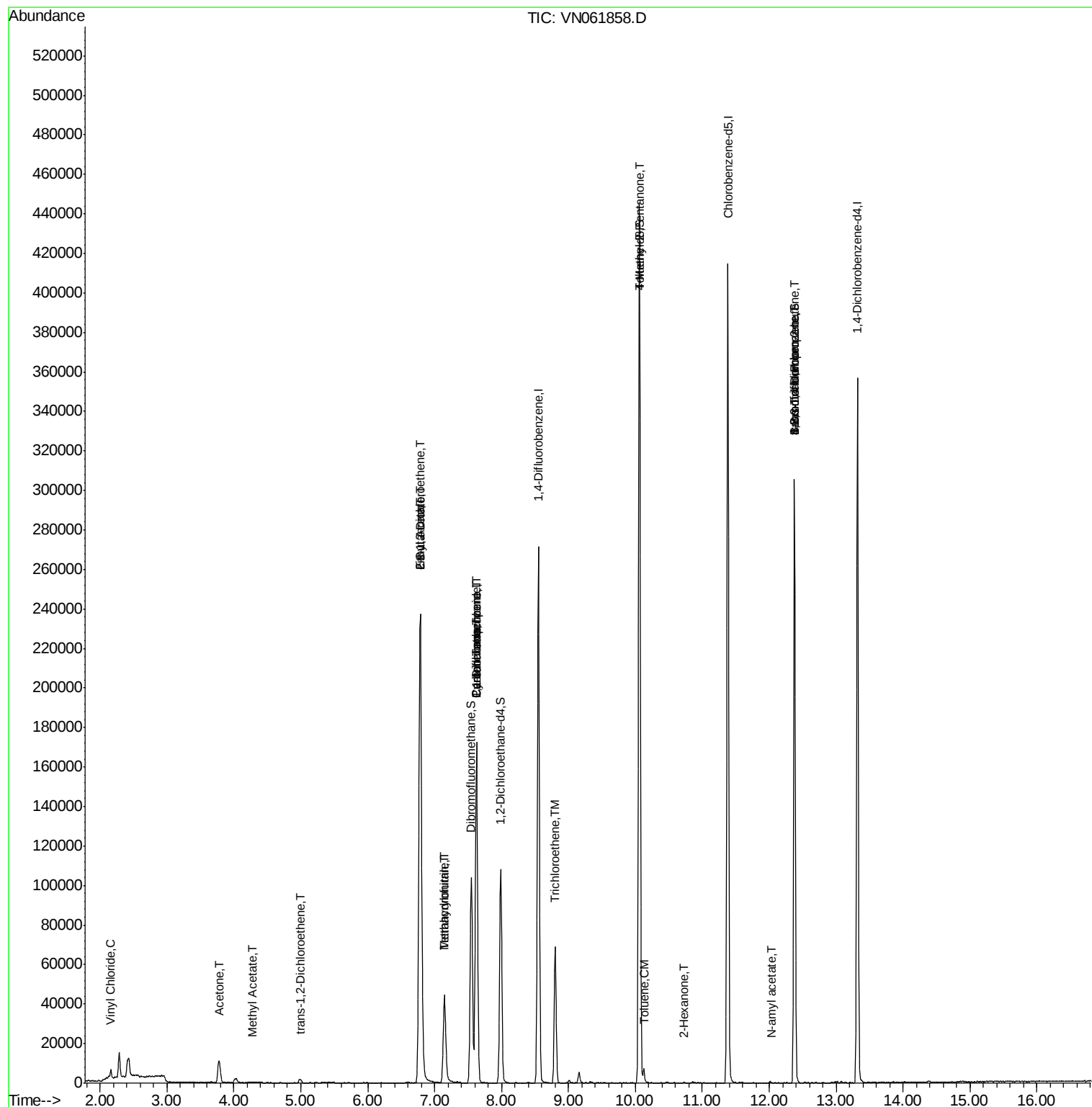
					Qvalue	
4) Vinyl Chloride	2.16	62	3640	1.562	ug/l	99
16) Acetone	3.78	43	18673	33.464	ug/l	99
18) Methyl Acetate	4.29	43	430	0.268	ug/l #	46
21) trans-1,2-Dichloroethene	5.00	96	828	0.504	ug/l #	77
25) 2-Butanone	6.79	43	386213	474.393	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	10038	5.292	ug/l	87
29) Tetrahydrofuran	7.14	42	2015	3.761	ug/l #	55
31) Cyclohexane	7.62	56	2850	1.145	ug/l #	23
36) 1,1-Dichloropropene	7.63	75	11432	4.976	ug/l #	48
37) Ethyl Acetate	6.79	43	386213	215.275	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14885	6.543	ug/l #	17
41) Methacrylonitrile	7.15	41	9066	11.818	ug/l #	100
44) Trichloroethene	8.80	130	26095	14.248	ug/l	100
51) 4-Methyl-2-Pentanone	10.06	43	1231	0.689	ug/l #	1
52) Toluene	10.12	92	3192	0.730	ug/l	88
59) 2-Hexanone	10.72	43	220	13.553	ug/l #	20
71) Bromoform	12.37	173	426	0.323	ug/l #	1
74) N-amyl acetate	12.03	43	60	3.086	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	53713	27.684	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53713	75.506	ug/l #	14

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061720\
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QLast Update : Wed Jun 17 01:19:44 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampled :

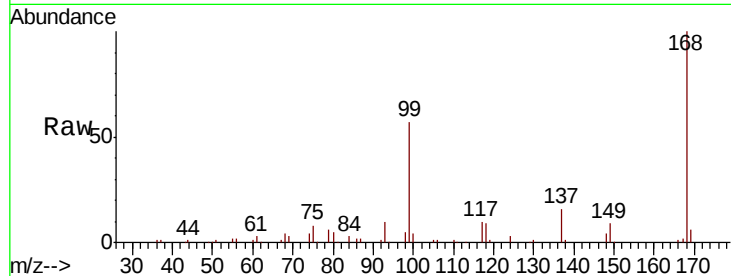
S49-0570DL

Tot Ion:168 Resp: 140855

Ion Ratio Lower Upper

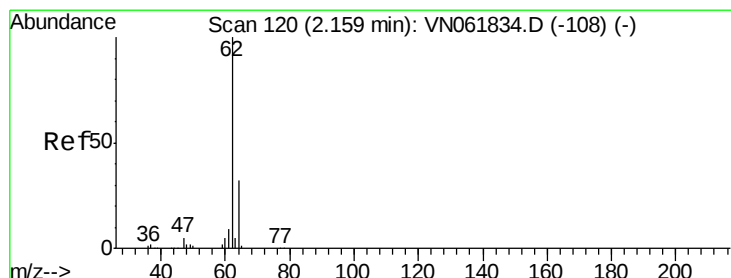
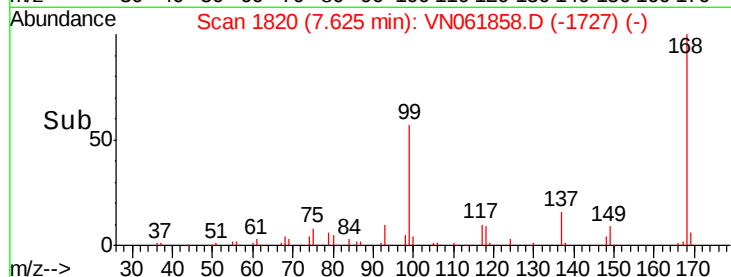
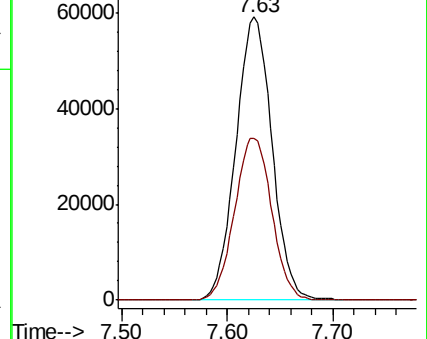
168 100

99 57.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Vinyl Chloride

Concen: 1.562 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061858.D

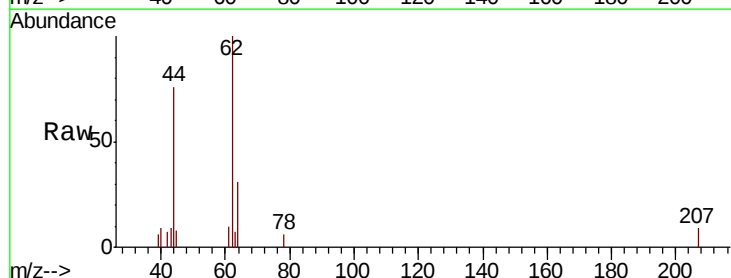
Acq: 17 Jun 2020 19:03

Tgt Ion: 62 Resp: 3640

Ion Ratio Lower Upper

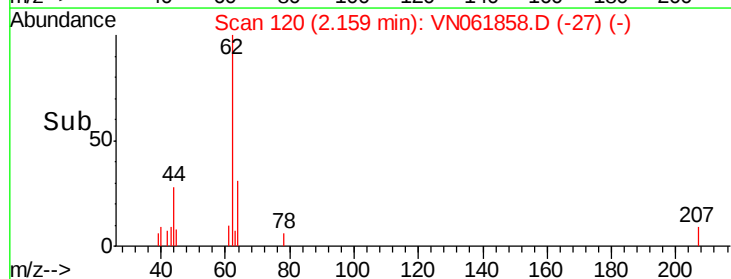
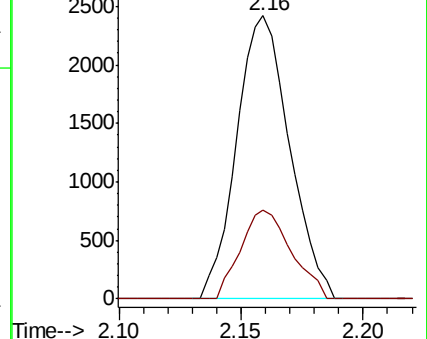
62 100

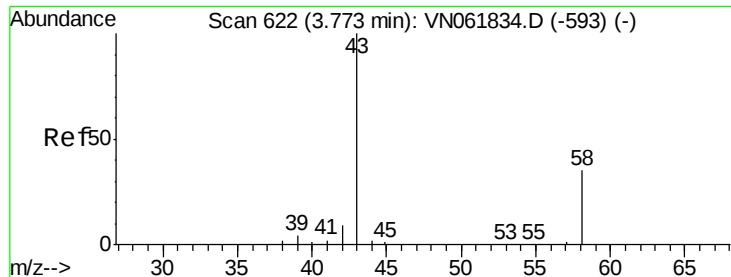
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN





#16

Acetone

Concen: 33.464 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampleId :

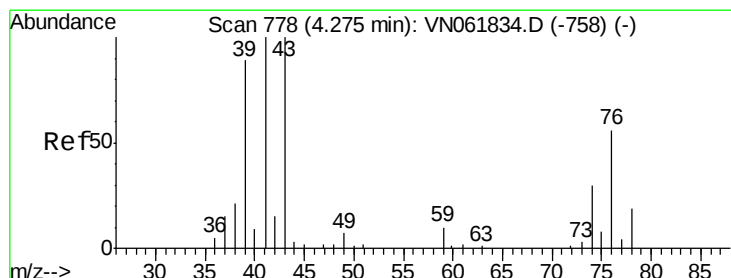
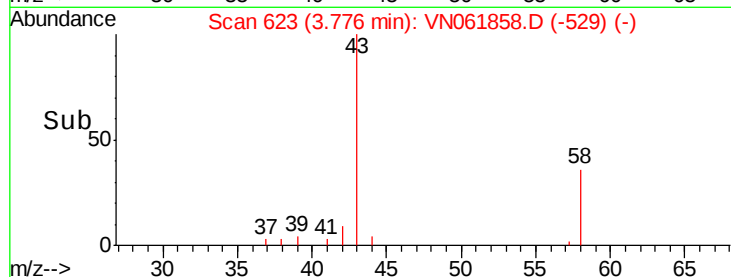
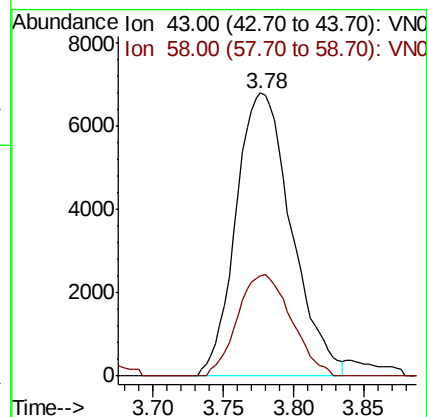
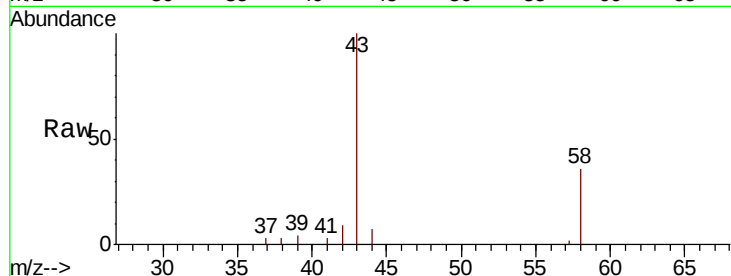
S49-0570DL

Tot Ion: 43 Resp: 18673

Ion Ratio Lower Upper

43 100

58 35.7 27.8 41.8



#18

Methyl Acetate

Concen: 0.268 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN061858.D

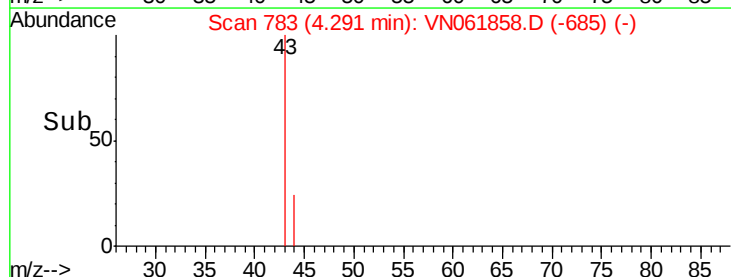
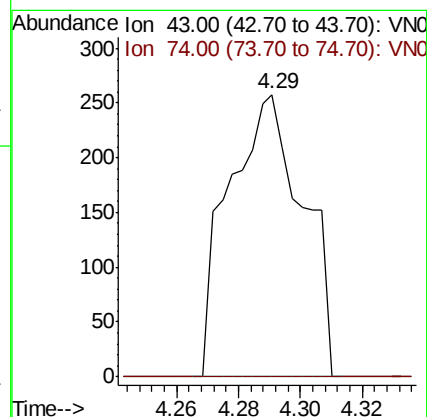
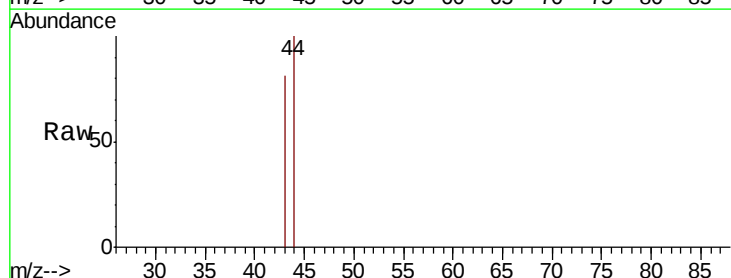
Acq: 17 Jun 2020 19:03

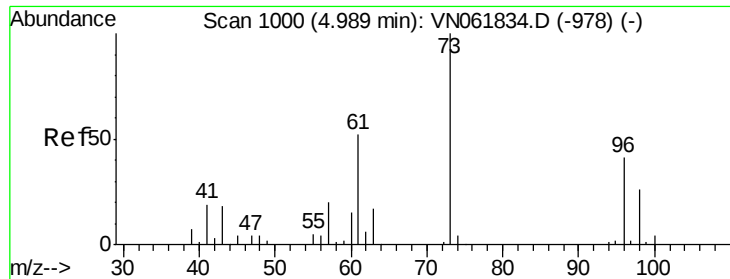
Tgt Ion: 43 Resp: 430

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#





#21

trans-1,2-Dichloroethene

Concen: 0.504 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampleID :

S49-0570DL

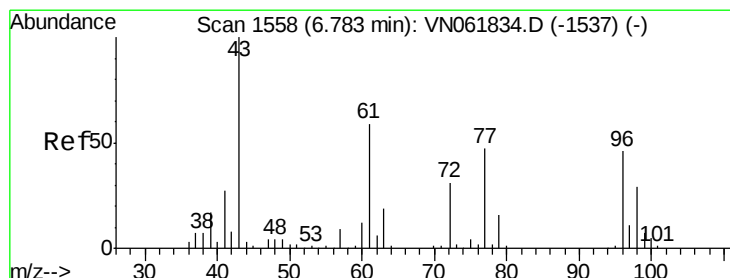
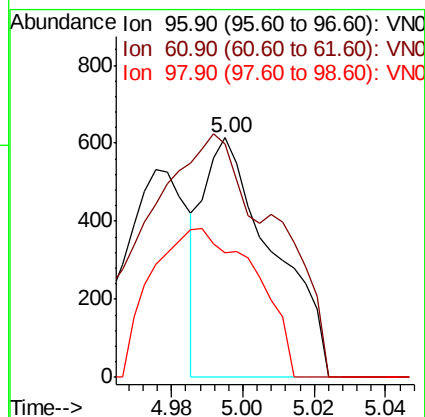
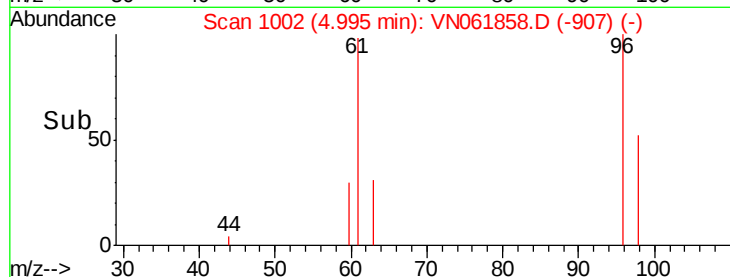
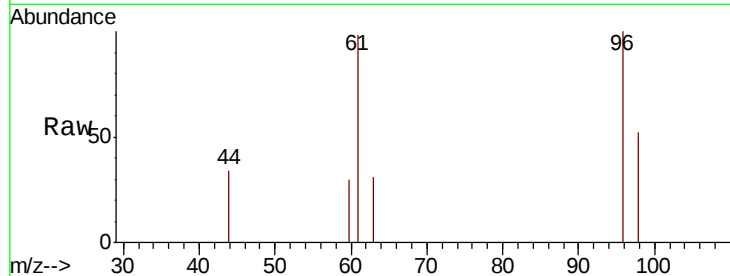
Tot Ion: 96 Resp: 828

Ion Ratio Lower Upper

96 100

61 97.6 102.2 153.4#

98 52.0 51.2 76.8



#25

2-Butanone

Concen: 474.393 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061858.D

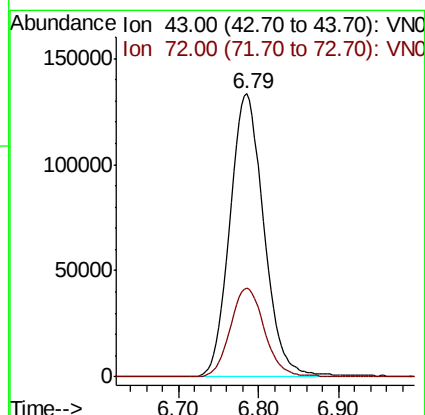
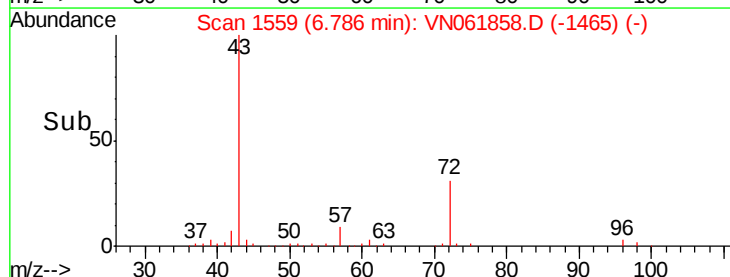
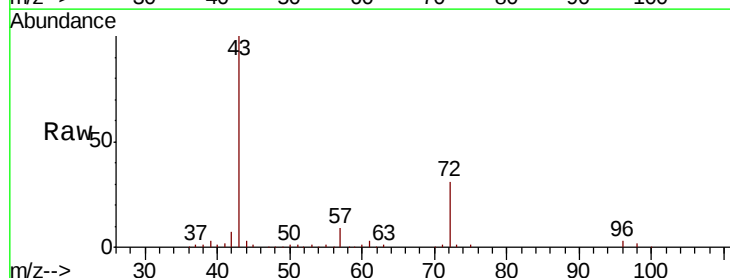
Acq: 17 Jun 2020 19:03

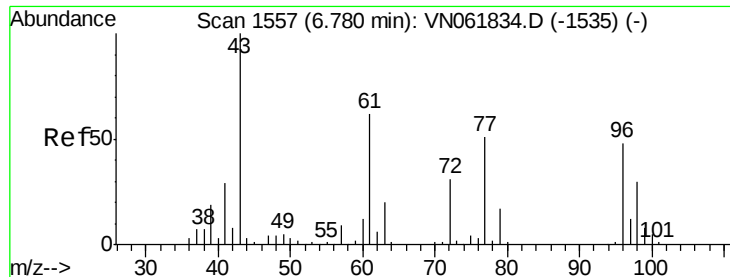
Tgt Ion: 43 Resp: 386213

Ion Ratio Lower Upper

43 100

72 31.4 24.6 37.0

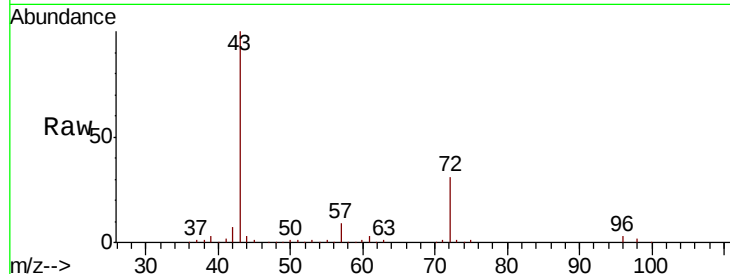




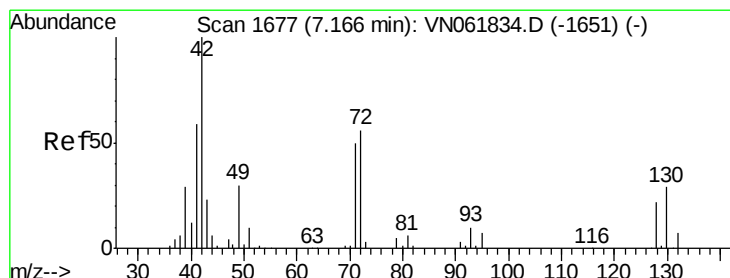
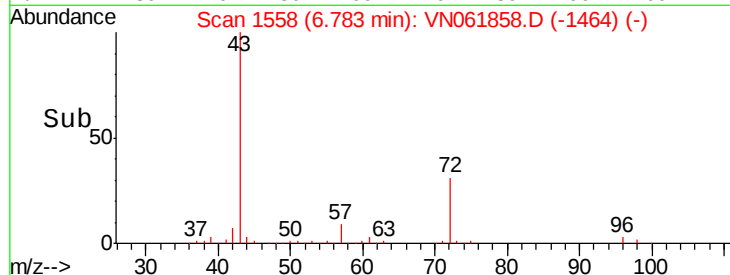
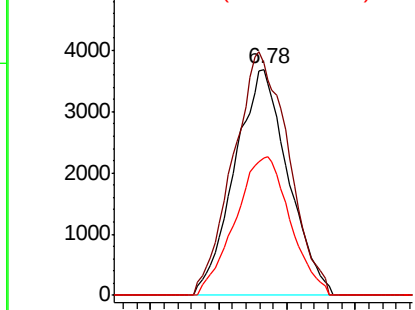
#27
 cis-1,2-Dichloroethene
 Concen: 5.292 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061858.D
 Acq: 17 Jun 2020 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0570DL

Tot Ion: 96 Resp: 10038
 Ion Ratio Lower Upper
 96 100
 61 111.6 0.0 265.6
 98 62.6 0.0 128.2

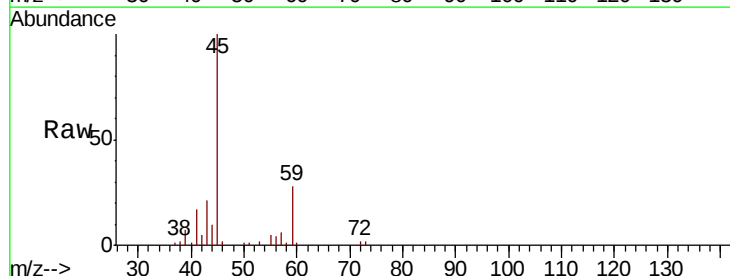


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

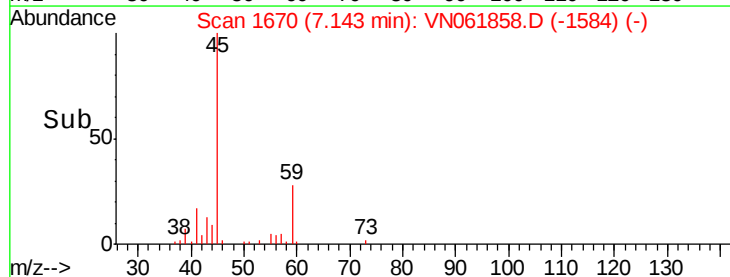
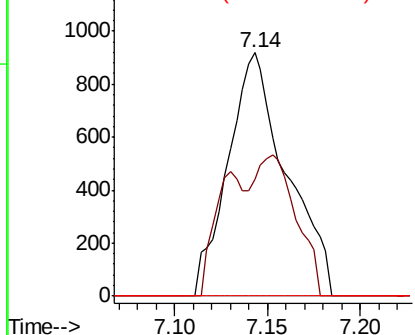


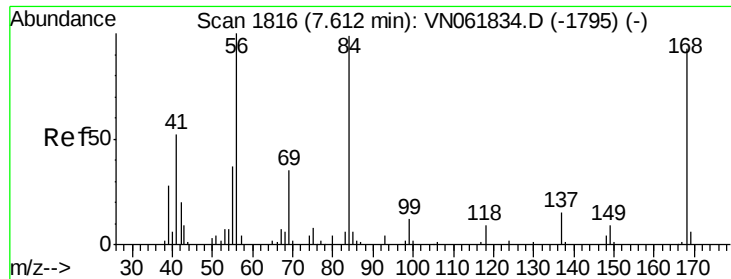
#29
 Tetrahydrofuran
 Concen: 3.761 ug/l
 RT: 7.14 min Scan# 1670
 Delta R.T. -0.02 min
 Lab File: VN061858.D
 Acq: 17 Jun 2020 19:03

Tgt Ion: 42 Resp: 2015
 Ion Ratio Lower Upper
 42 100
 72 40.4 44.0 66.0#
 71 0.0 40.0 60.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0
 Ion 71.00 (70.70 to 71.70): VN0

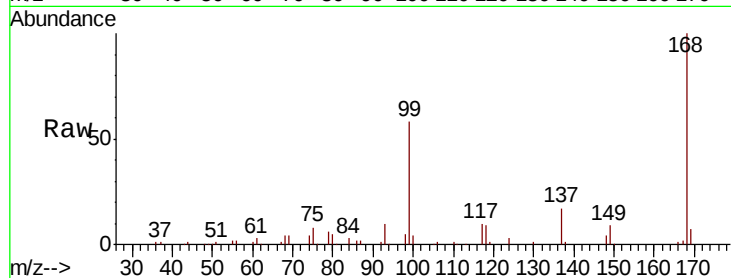




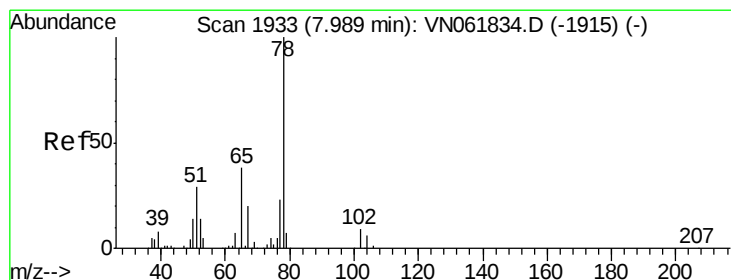
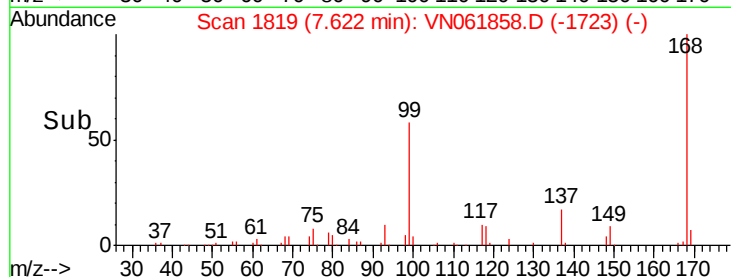
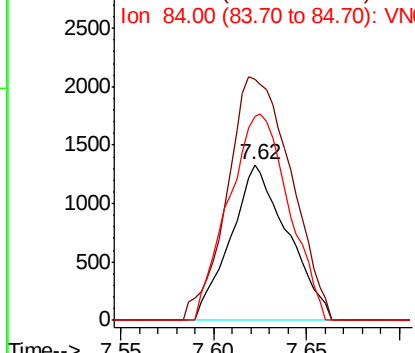
#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Instrument :
MSVOA_N
ClientSampled :
S49-0570DL

Tot Ion: 56 Resp: 2850
Ion Ratio Lower Upper
56 100
69 154.6 27.7 41.5#
84 130.6 79.1 118.7#

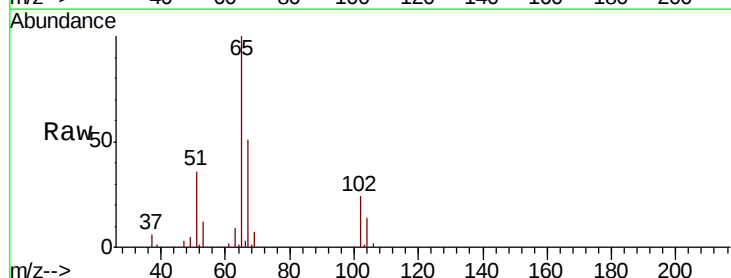


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

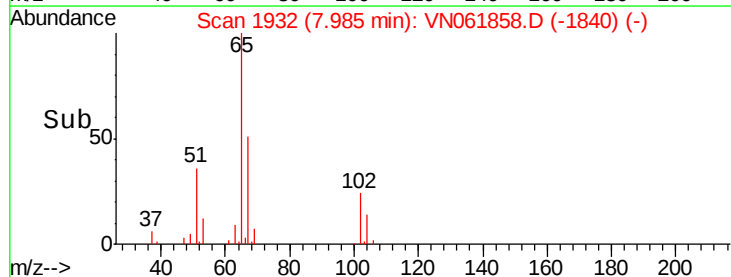
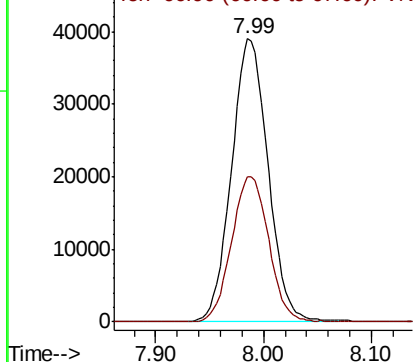


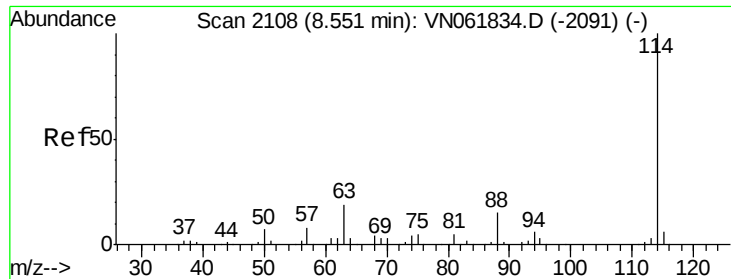
#33
1,2-Dichloroethane-d4
Concen: 48.836 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Tgt Ion: 65 Resp: 92255
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

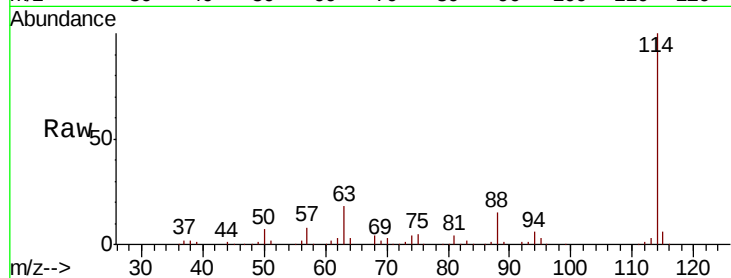




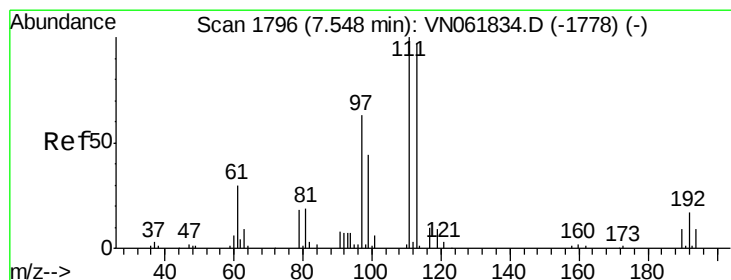
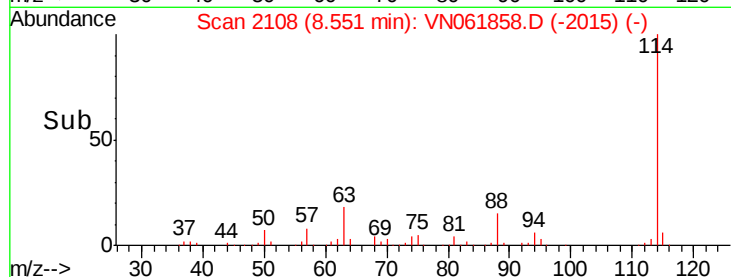
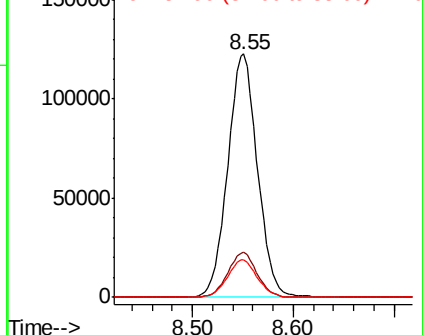
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Instrument :
MSVOA_N
ClientSampleId :
S49-0570DL

Tot Ion:114 Resp: 251878
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.6
88 15.2 0.0 31.0

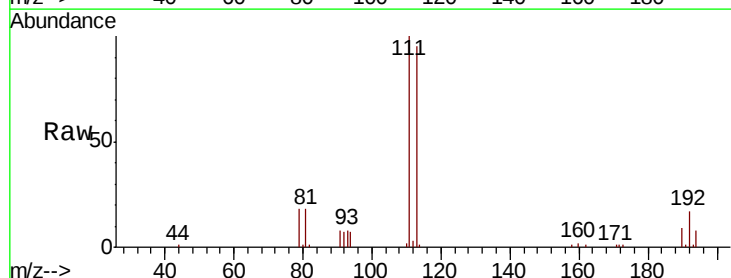


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

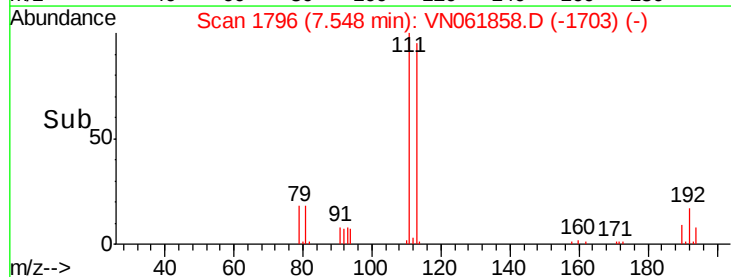
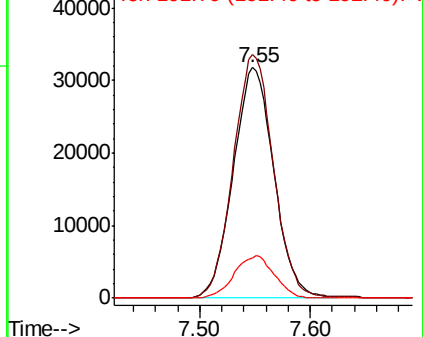


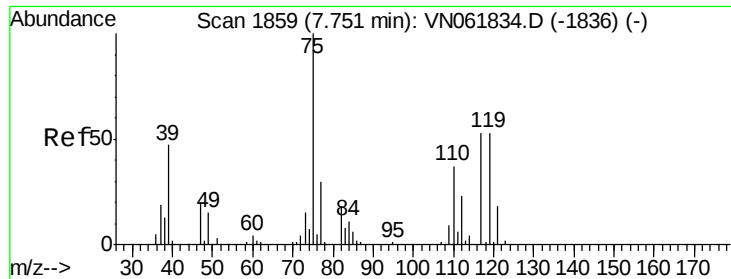
#35
Dibromofluoromethane
Concen: 50.318 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Tgt Ion:113 Resp: 81082
Ion Ratio Lower Upper
113 100
111 104.2 83.7 125.5
192 18.0 13.9 20.9



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

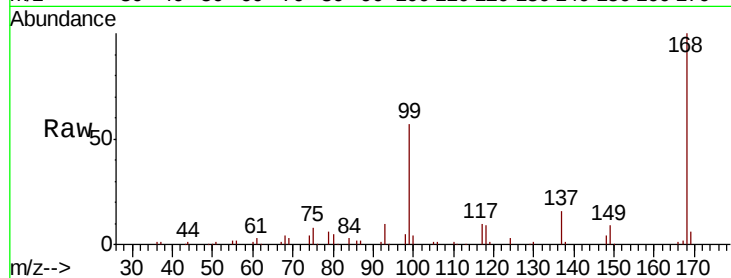




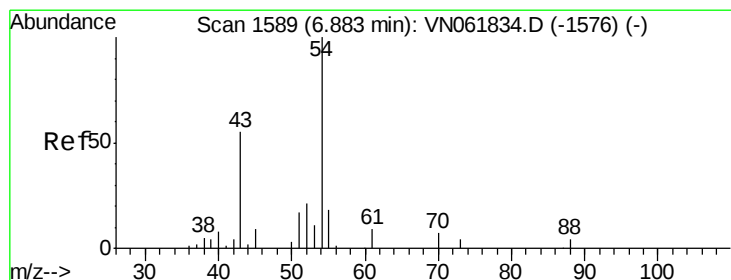
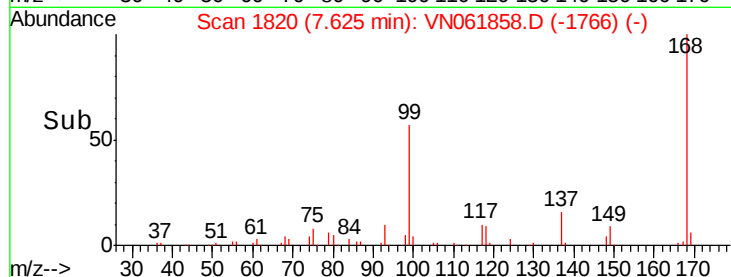
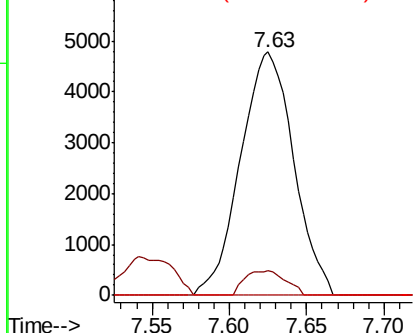
#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061858.D
 Acq: 17 Jun 2020 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0570DL

Tot Ion: 75 Resp: 11432
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.2 54.6#
 77 0.0 24.2 36.4#

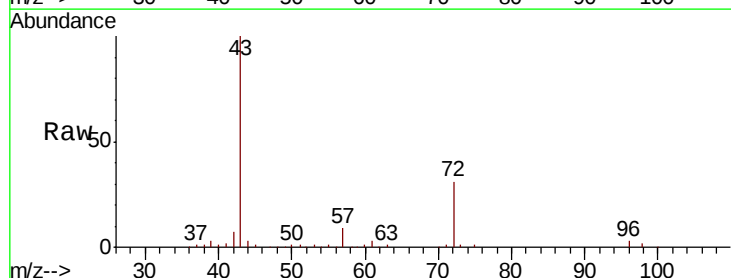


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

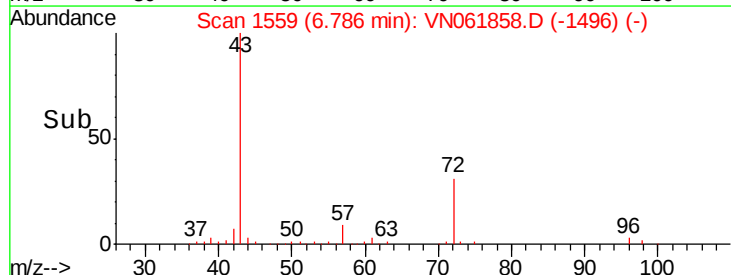
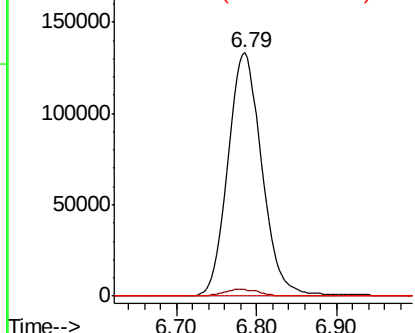


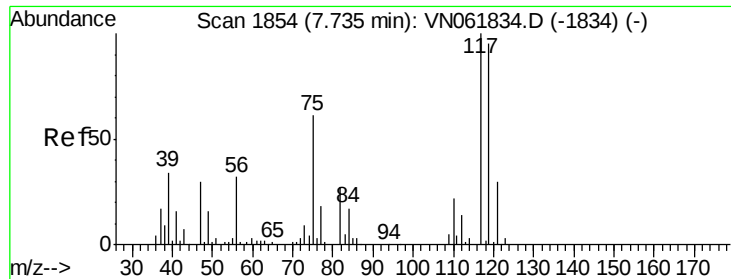
#37
 Ethyl Acetate
 Concen: 215.275 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.10 min
 Lab File: VN061858.D
 Acq: 17 Jun 2020 19:03

Tgt Ion: 43 Resp: 386213
 Ion Ratio Lower Upper
 43 100
 61 2.9 13.0 19.4#
 70 0.2 9.4 14.2#



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





#38

Carbon Tetrachloride

Concen: 6.543 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampleId :

S49-0570DL

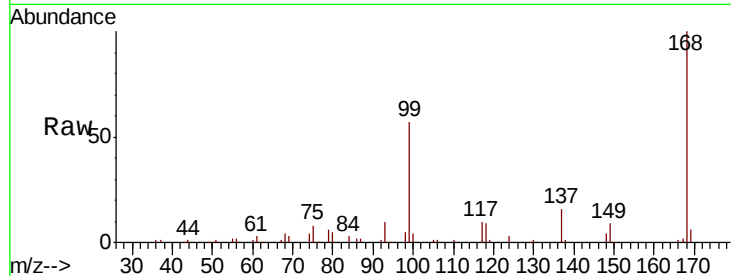
Tot Ion:117 Resp: 14885

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

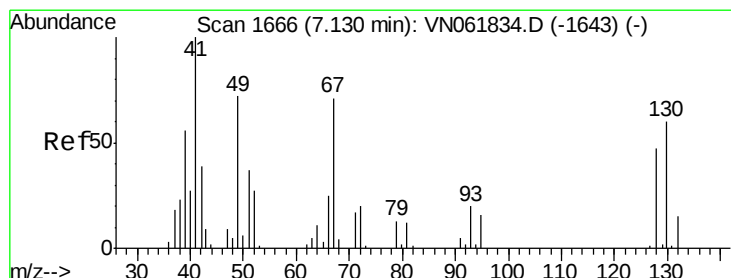
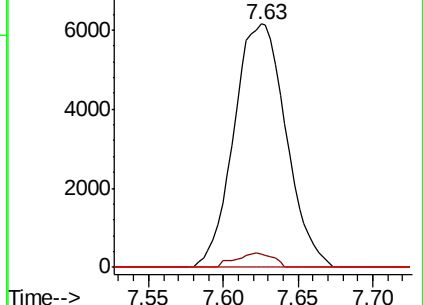
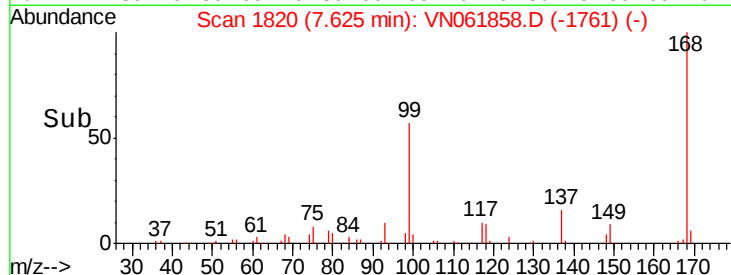
121 0.0 23.8 35.6#



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



#41

Methacrylonitrile

Concen: 11.818 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. 0.02 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Tgt Ion: 41 Resp: 9066

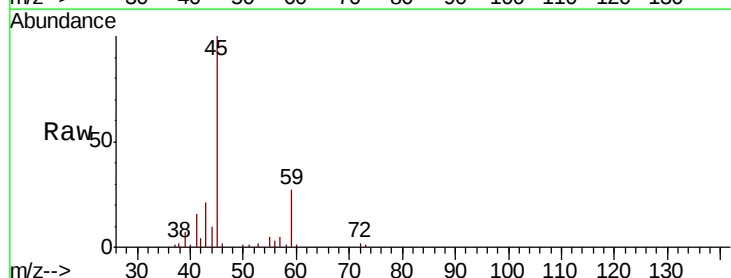
Ion Ratio Lower Upper

41 100

39 47.8 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

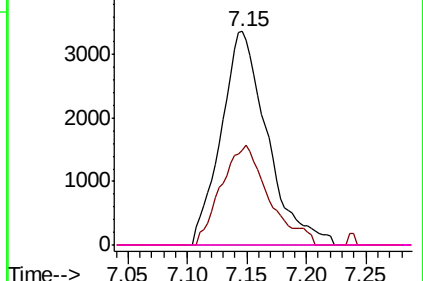
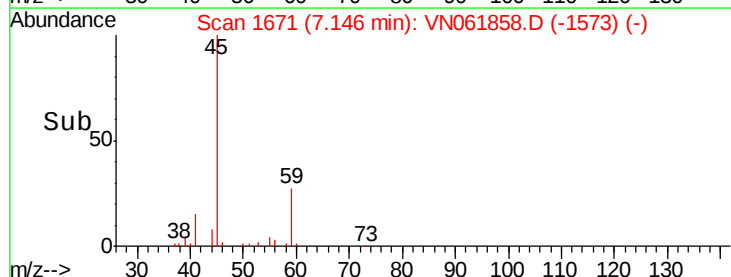


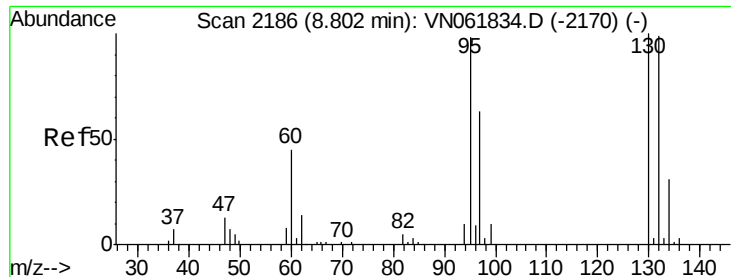
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#44

Trichloroethene

Concen: 14.248 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampled :

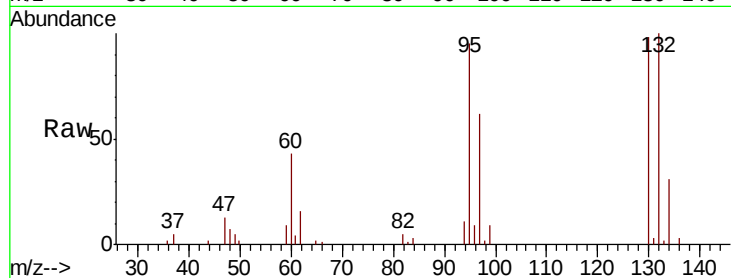
S49-0570DL

Tot Ion:130 Resp: 26095

Ion Ratio Lower Upper

130 100

95 97.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

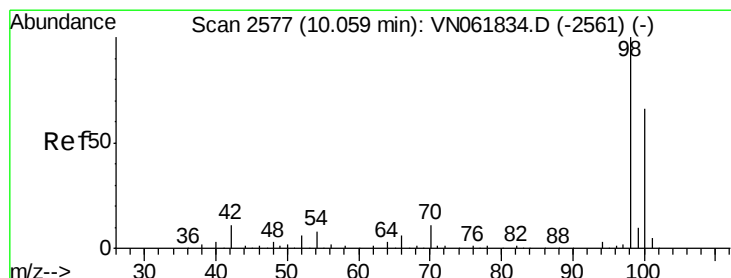
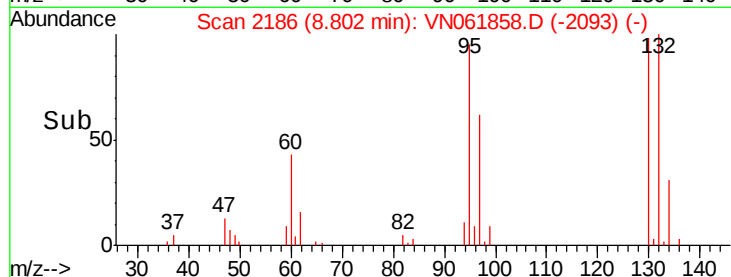
10000

5000

0

Time-->

8.75 8.80 8.85



#50

Toluene-d8

Concen: 49.657 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061858.D

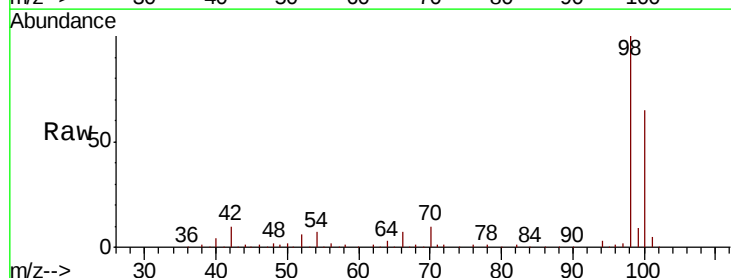
Acq: 17 Jun 2020 19:03

Tgt Ion: 98 Resp: 314575

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.06

200000

150000

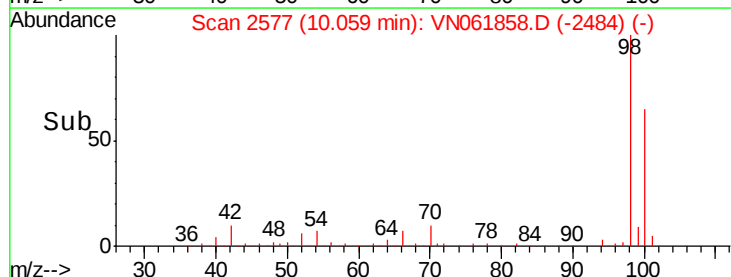
100000

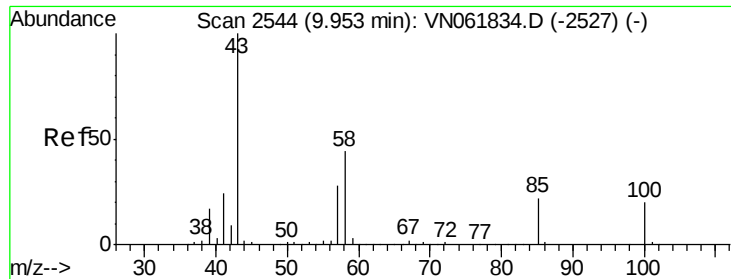
50000

0

Time-->

10.00 10.05 10.10

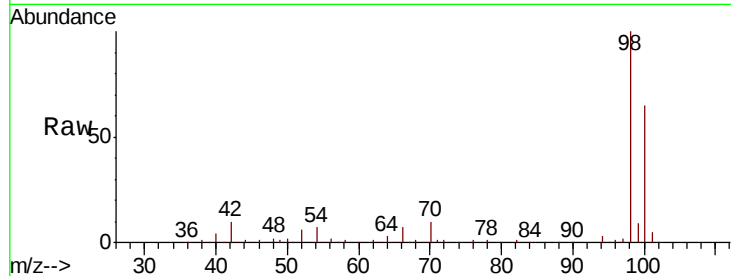




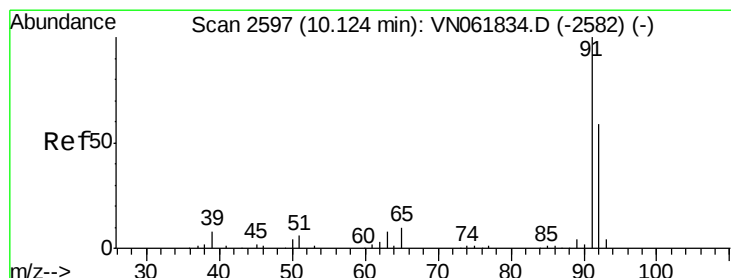
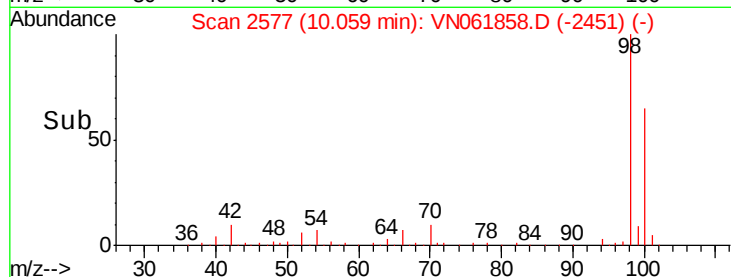
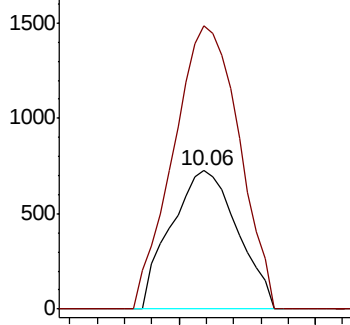
#51
4-Methyl-2-Pentanone
Concen: 0.689 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Instrument :
MSVOA_N
ClientSampled :
S49-0570DL

Tot Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 202.3 34.6 52.0#

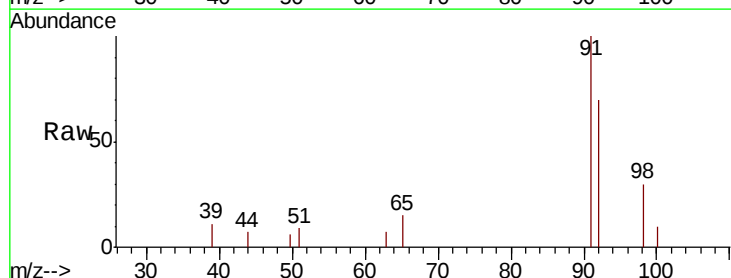


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

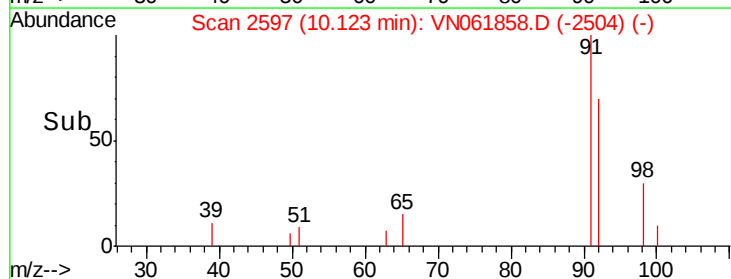
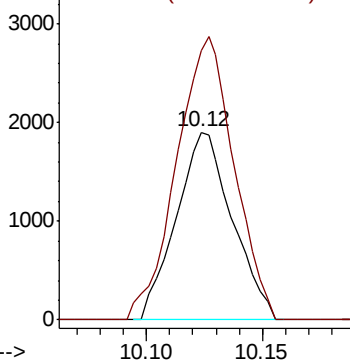


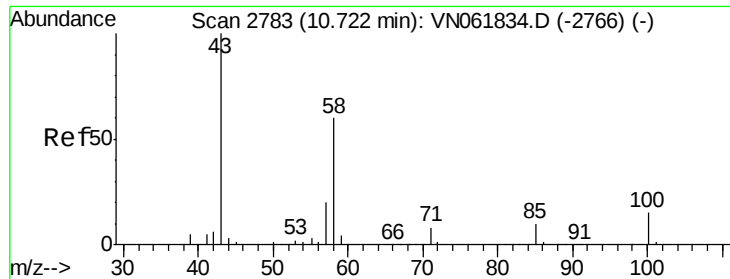
#52
Toluene
Concen: 0.730 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Tgt Ion: 92 Resp: 3192
Ion Ratio Lower Upper
92 100
91 155.1 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#59

2-Hexanone

Concen: 13.553 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampled :

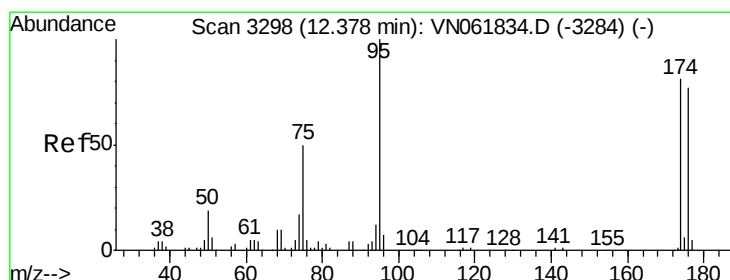
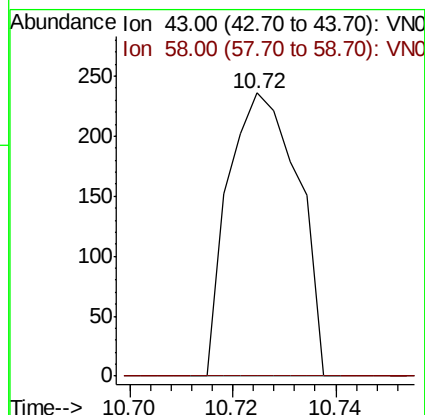
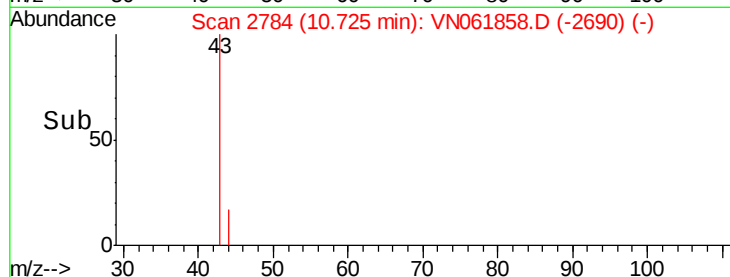
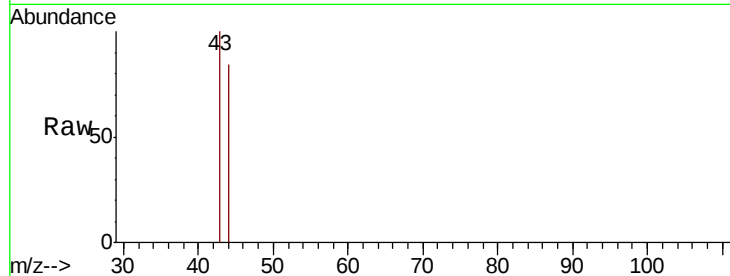
S49-0570DL

Tot Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.5#



#62

4-Bromofluorobenzene

Concen: 48.637 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

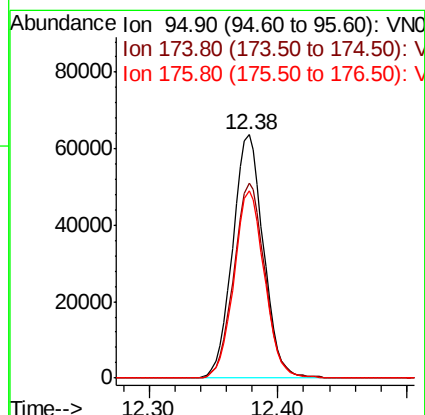
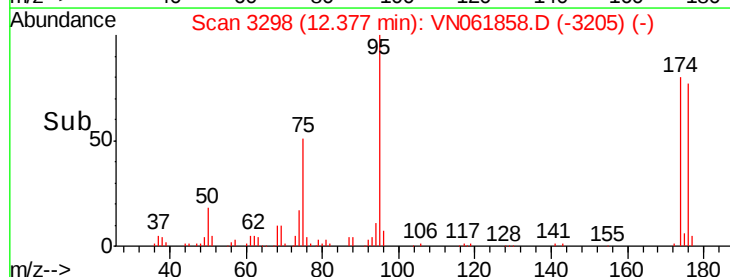
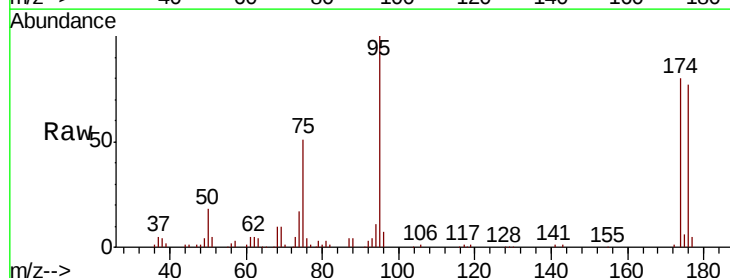
Tgt Ion: 95 Resp: 105689

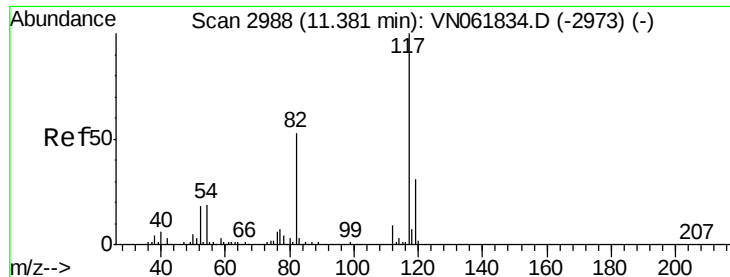
Ion Ratio Lower Upper

95 100

174 80.9 0.0 158.6

176 76.2 0.0 152.0

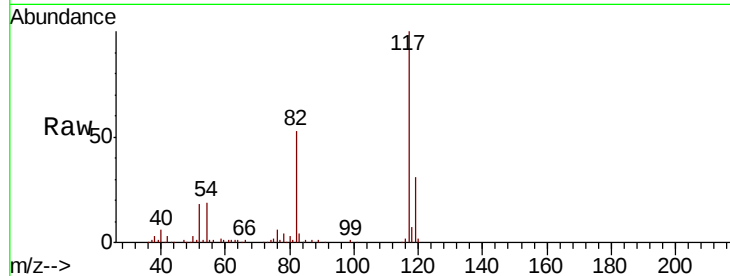




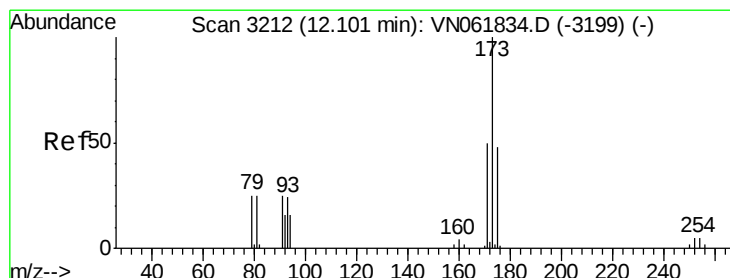
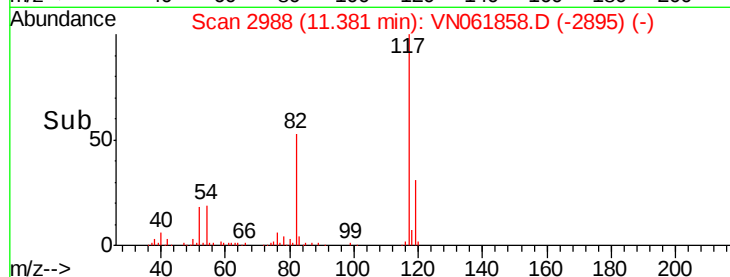
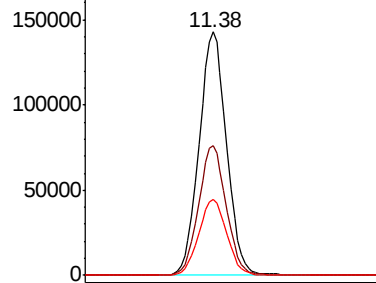
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Instrument :
MSVOA_N
ClientSampleId :
S49-0570DL

Tot Ion:117 Resp: 245963
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 31.1 24.7 37.1

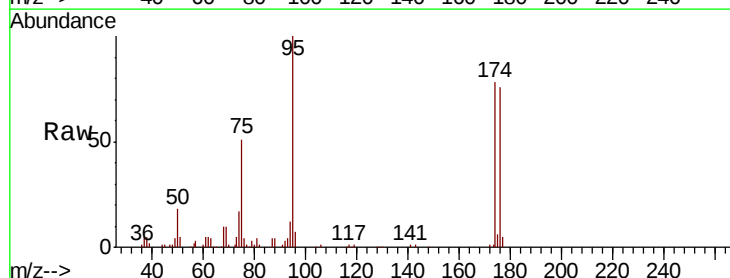


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

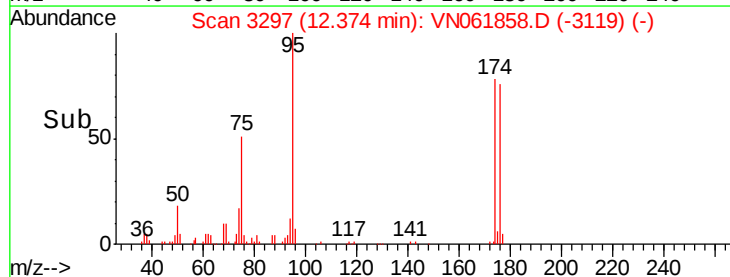
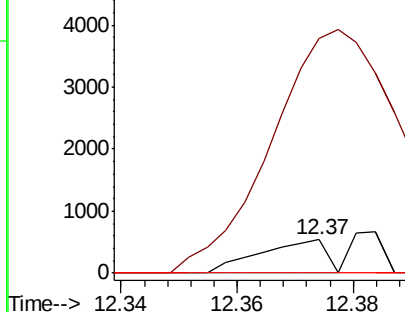


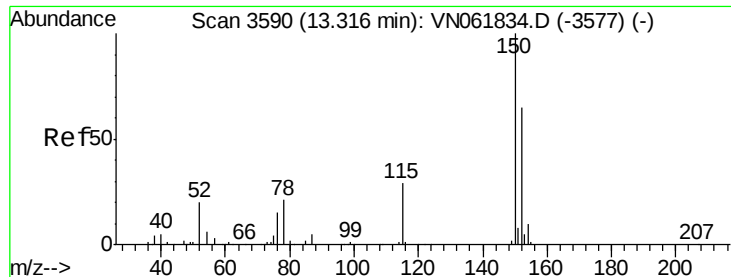
#71
Bromoform
Concen: 0.323 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061858.D
Acq: 17 Jun 2020 19:03

Tgt Ion:173 Resp: 426
Ion Ratio Lower Upper
173 100
175 1242.7 23.9 71.7#
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: VN061858.D

Acq: 17 Jun 2020 19:03

Instrument :

MSVOA_N

ClientSampleId :

S49-0570DL

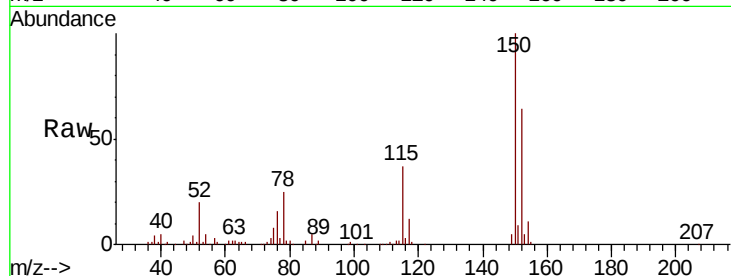
Tot Ion:152 Resp: 98827

Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

150 157.9 0.0 347.6

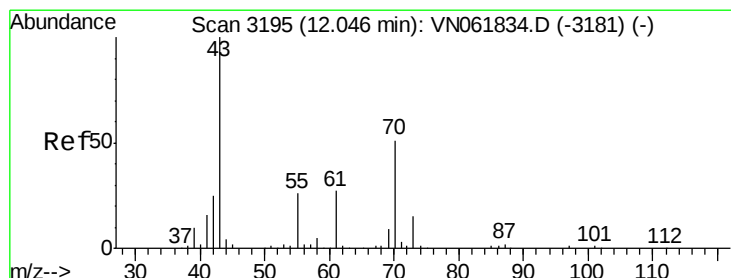
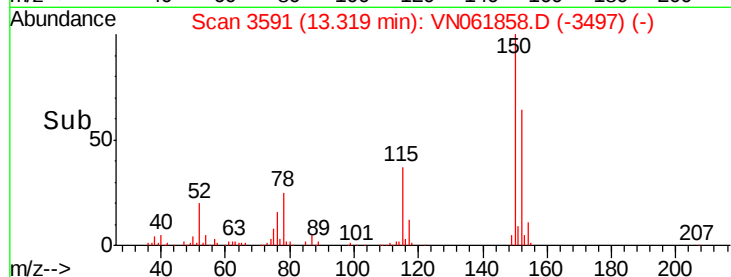
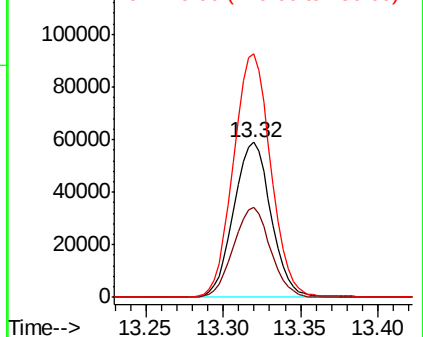


Abundance

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: 3.086 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VN061858.D

Acq: 17 Jun 2020 19:03

Tgt Ion: 43 Resp: 60

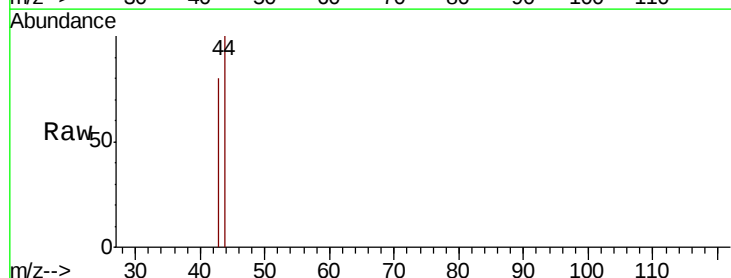
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#



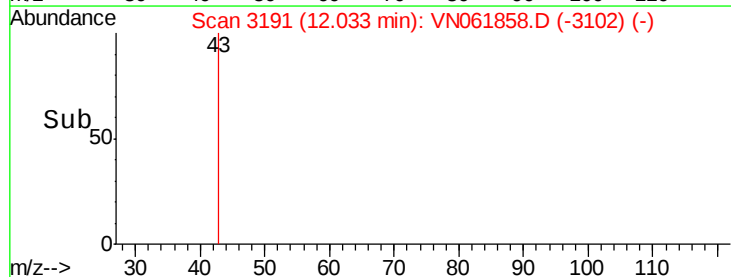
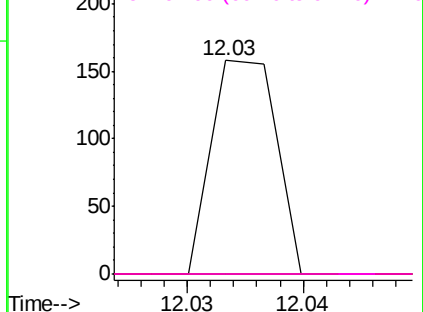
Abundance

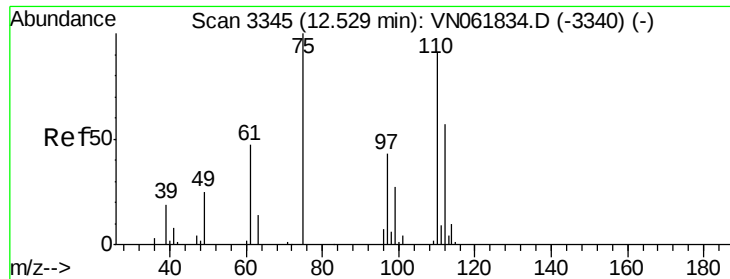
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

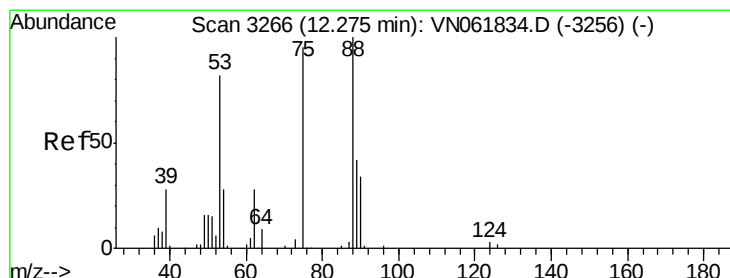
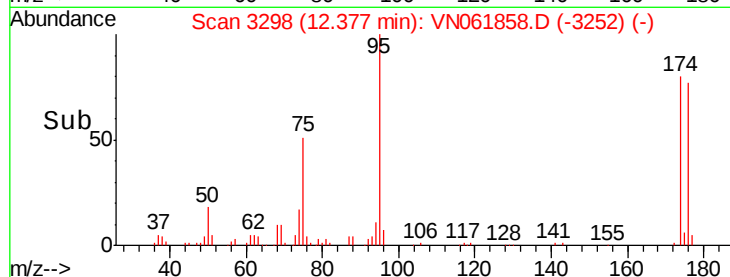
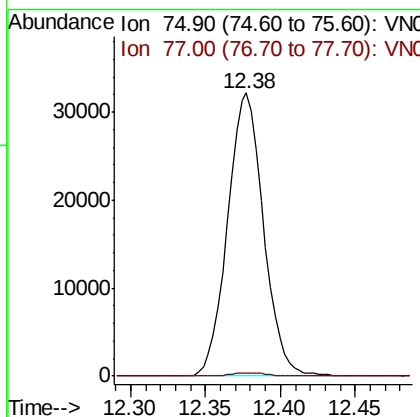
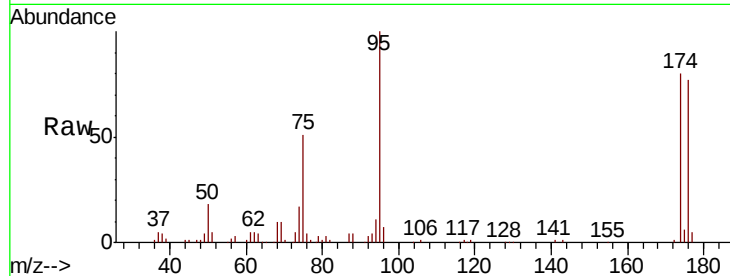




#76
 1,2,3-Trichloropropane
 Concen: 27.684 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061858.D
 Acq: 17 Jun 2020 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0570DL

Tot Ion: 75 Resp: 53713
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.506 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061858.D
 Acq: 17 Jun 2020 19:03

Tgt Ion: 75 Resp: 53713
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

