

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062621.D
 Acq On : 28 Jul 2020 00:13
 Operator : JC/MD
 Sample : L3439-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20200442-3002B

Quant Time: Jul 28 06:28:44 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	139330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	248728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110468	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	118805	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	
35) Dibromofluoromethane	7.55	113	83956	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.06	98	328317	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.38	95	128048	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	

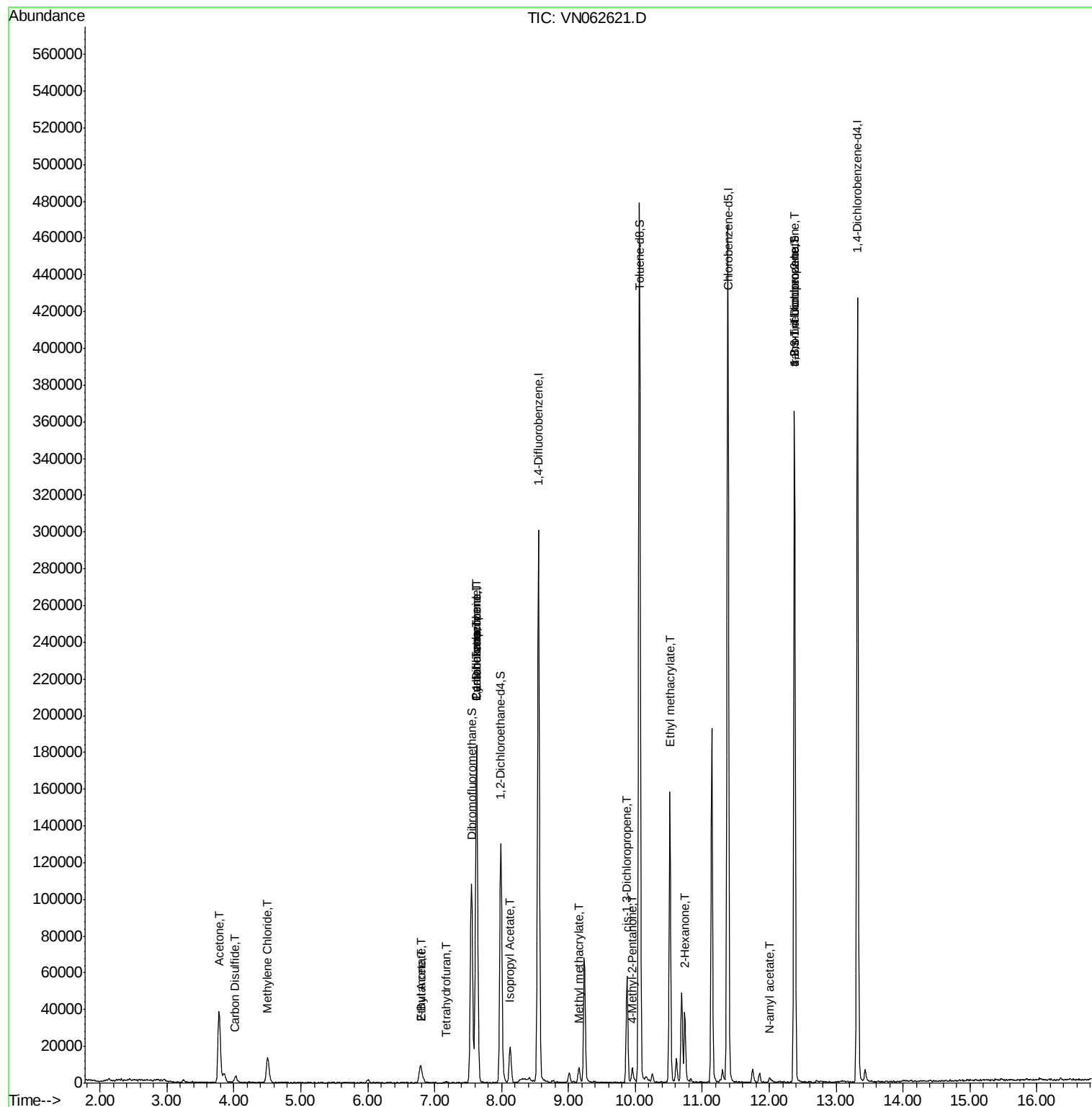
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	68476	84.072	ug/l	99
17) Carbon Disulfide	4.01	76	1213	0.247	ug/l #	75
20) Methylene Chloride	4.51	84	10543	5.397	ug/l	85
25) 2-Butanone	6.80	43	15269	12.309	ug/l	100
29) Tetrahydrofuran	7.17	42	410	0.488	ug/l #	38
31) Cyclohexane	7.63	56	3690	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12224	4.611	ug/l #	50
37) Ethyl Acetate	6.80	43	15269	5.343	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15034	5.899	ug/l #	18
43) Isopropyl Acetate	8.13	43	23632	5.130	ug/l #	90
48) Methyl methacrylate	9.15	41	2080	0.950	ug/l #	24
51) 4-Methyl-2-Pentanone	9.95	43	4856	1.762	ug/l	100
54) cis-1,3-Dichloropropene	9.88	75	9671	2.869	ug/l #	64
56) Ethyl methacrylate	10.52	69	675	1.970	ug/l #	1
59) 2-Hexanone	10.73	43	5576	5.544	ug/l	66
74) N-amyl acetate	12.00	43	2362	0.606	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	69101	24.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69101	68.412	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\
Data File : VN062621.D
Acq On : 28 Jul 2020 00:13
Operator : JC/MD
Sample : L3439-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
20200442-3002B

Quant Time: Jul 28 06:28:44 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: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleId :

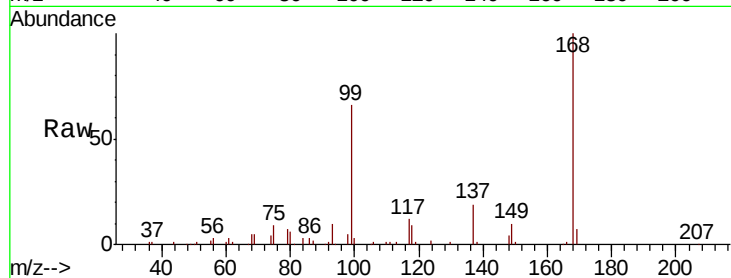
20200442-3002B

Tot Ion:168 Resp: 139330

Ion Ratio Lower Upper

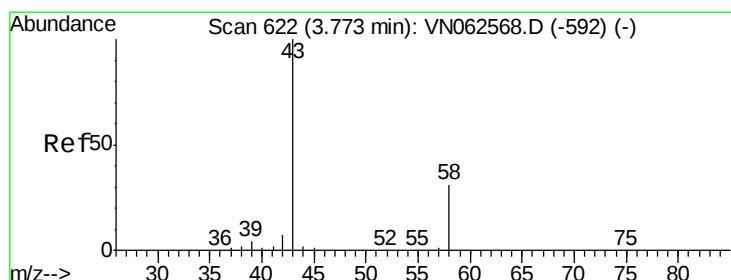
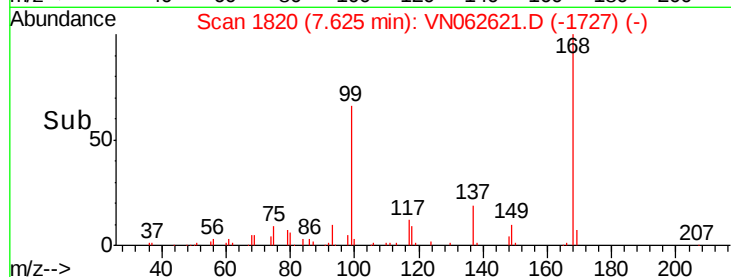
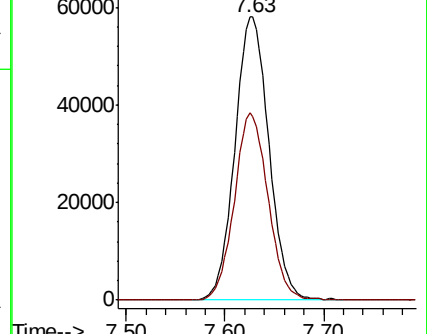
168 100

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): VN



#16

Acetone

Concen: 84.072 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062621.D

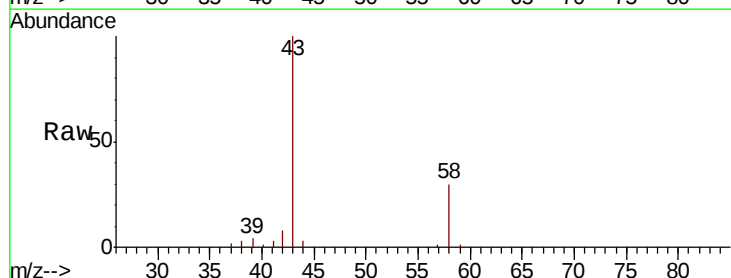
Acq: 28 Jul 2020 00:13

Tgt Ion: 43 Resp: 68476

Ion Ratio Lower Upper

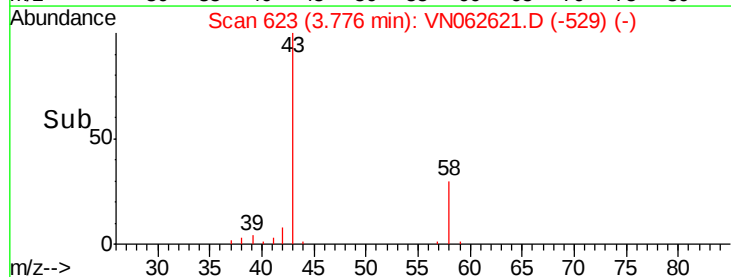
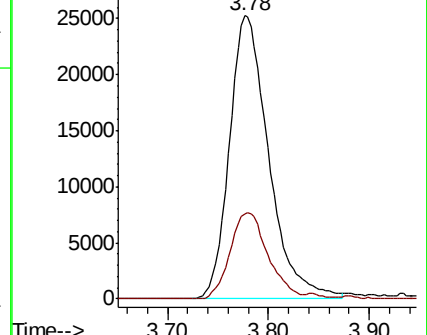
43 100

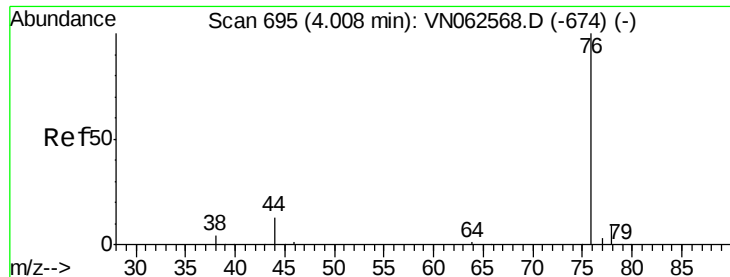
58 30.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

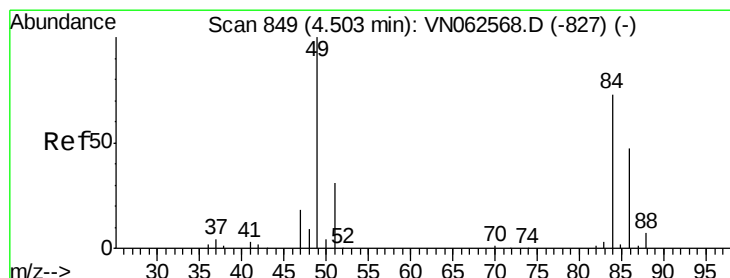
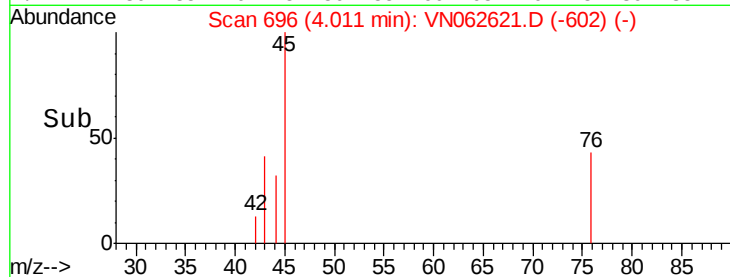
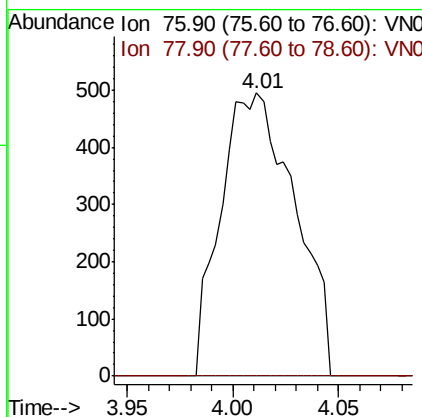
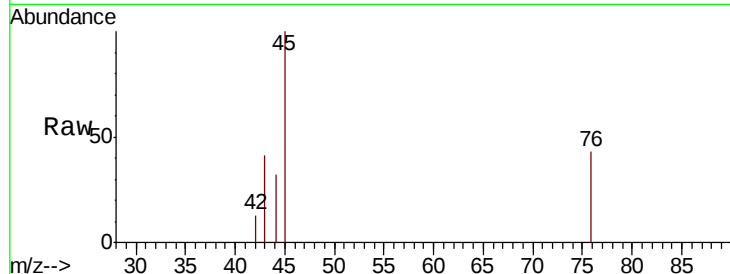




#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

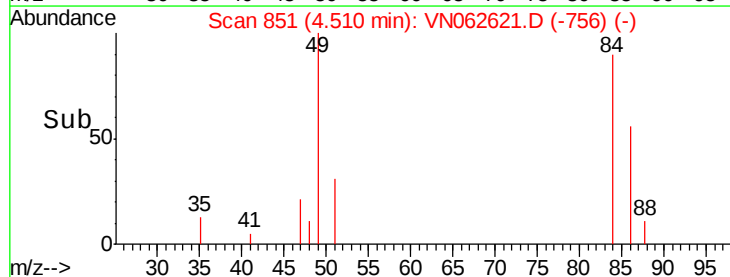
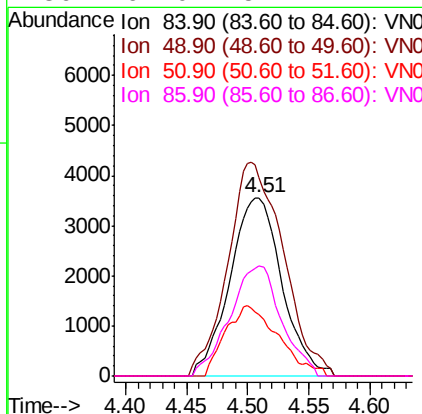
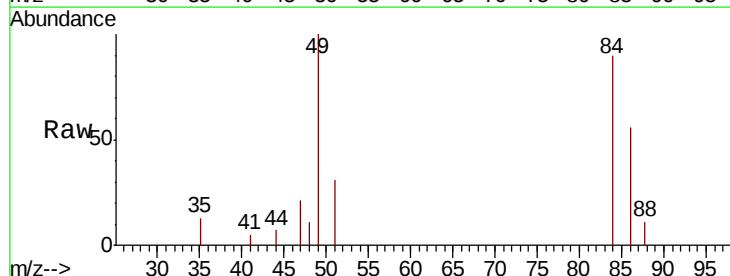
Instrument :
MSVOA_N
ClientSampleId :
20200442-3002B

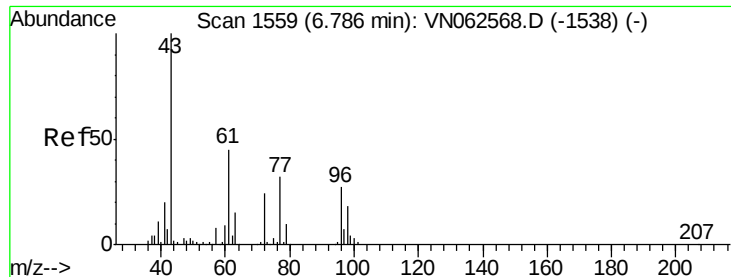
Tot Ion: 76 Resp: 1213
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 5.397 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

Tgt Ion: 84 Resp: 10543
Ion Ratio Lower Upper
84 100
49 111.4 109.4 164.0
51 34.8 33.6 50.4
86 62.0 51.4 77.2

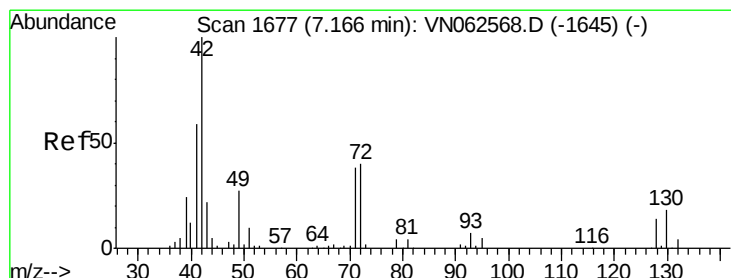
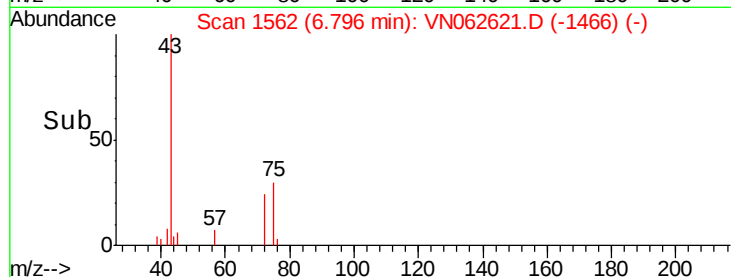
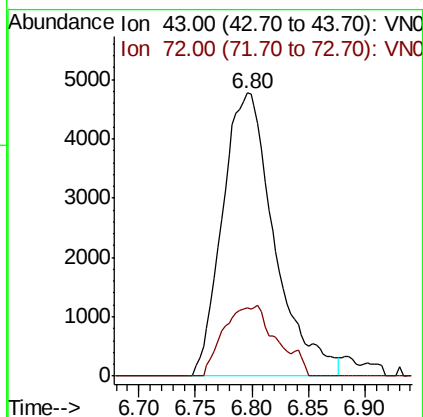
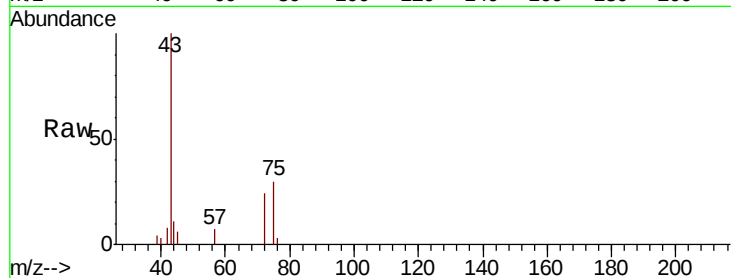




#25
2-Butanone
Concen: 12.309 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

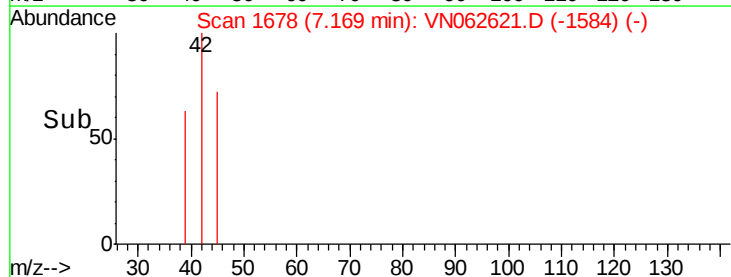
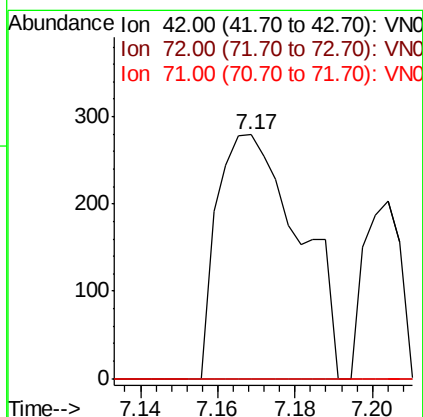
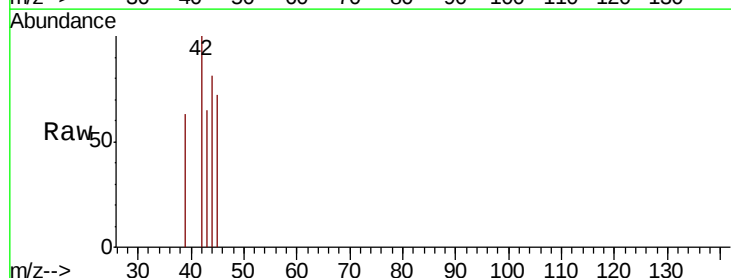
Instrument :
MSVOA_N
ClientSampleId :
20200442-3002B

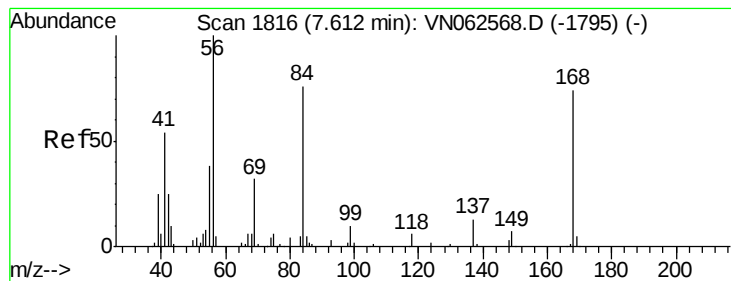
Tot Ion: 43 Resp: 15269
Ion Ratio Lower Upper
43 100
72 24.0 19.0 28.6



#29
Tetrahydrofuran
Concen: 0.488 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 29.1 43.7#





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleId :

20200442-3002B

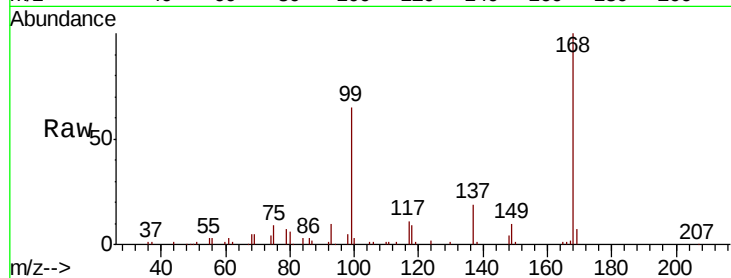
Tot Ion: 56 Resp: 3690

Ion Ratio Lower Upper

56 100

69 172.1 25.3 37.9#

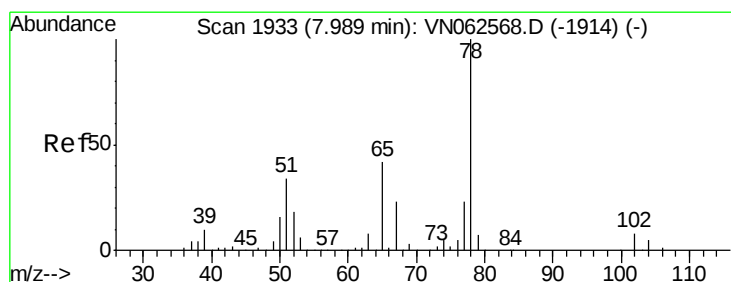
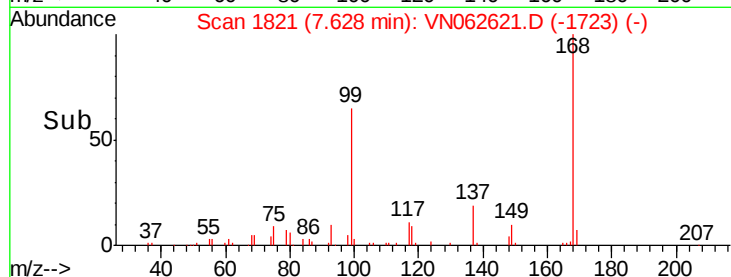
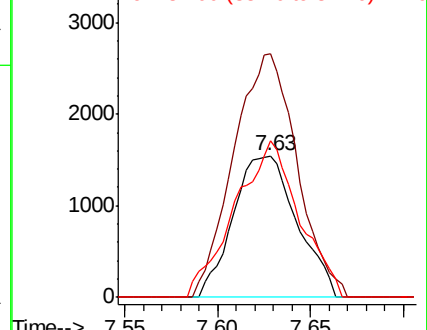
84 111.1 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.890 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062621.D

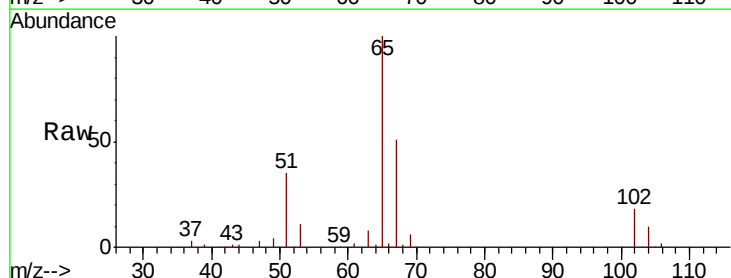
Acq: 28 Jul 2020 00:13

Tgt Ion: 65 Resp: 118805

Ion Ratio Lower Upper

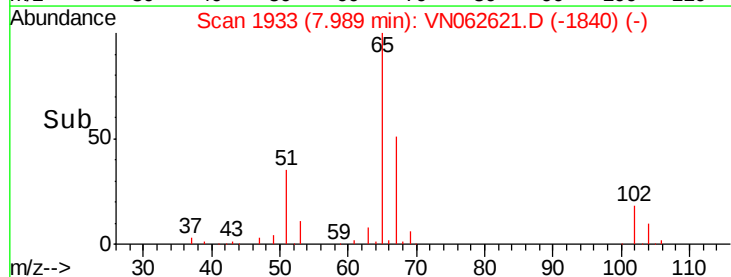
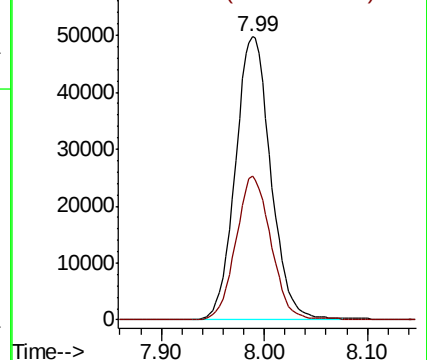
65 100

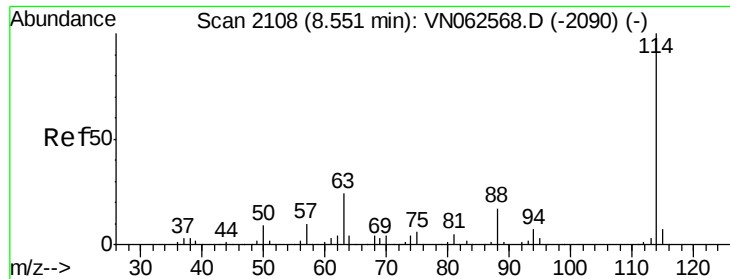
67 50.3 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

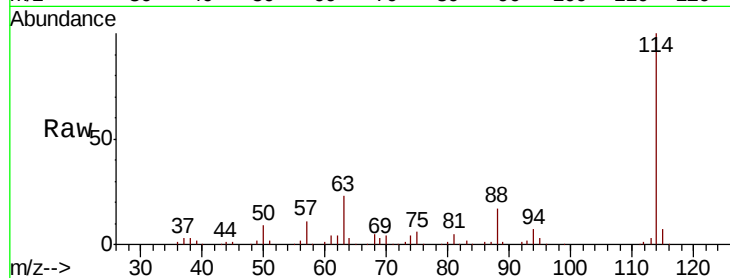




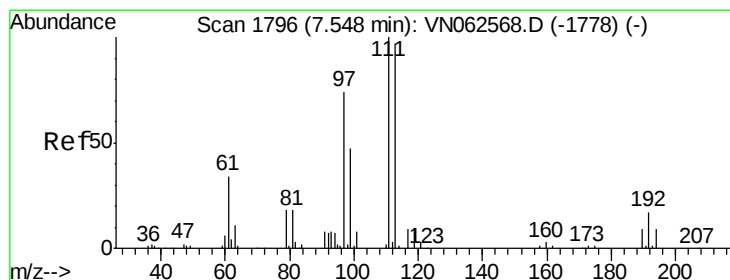
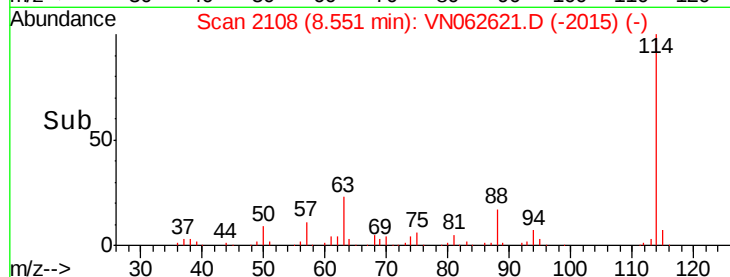
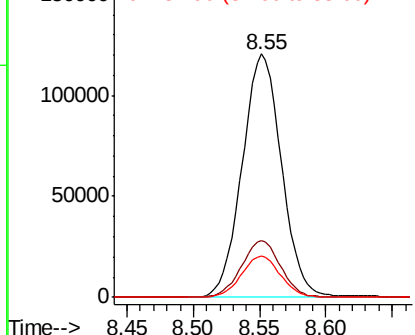
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062621.D
 Acq: 28 Jul 2020 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 20200442-3002B

Tot Ion:114 Resp: 248728
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.4
 88 16.9 0.0 33.8

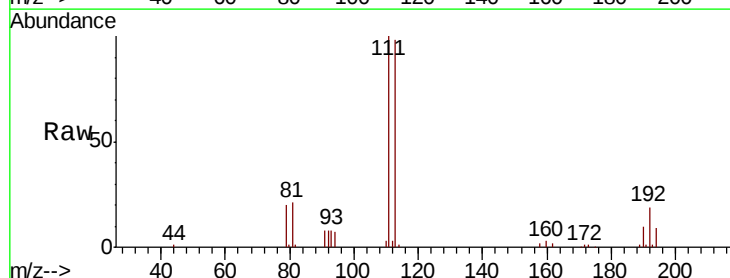


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

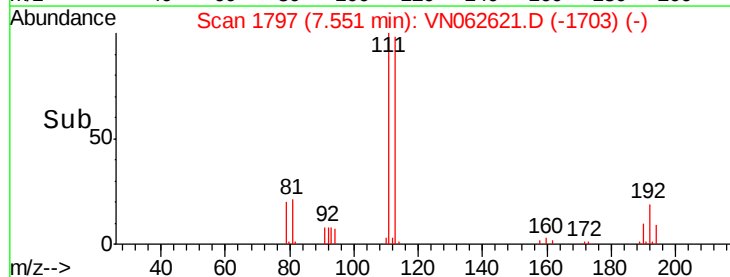
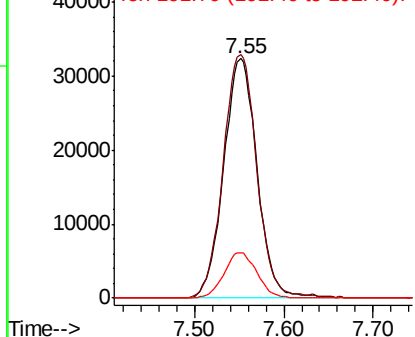


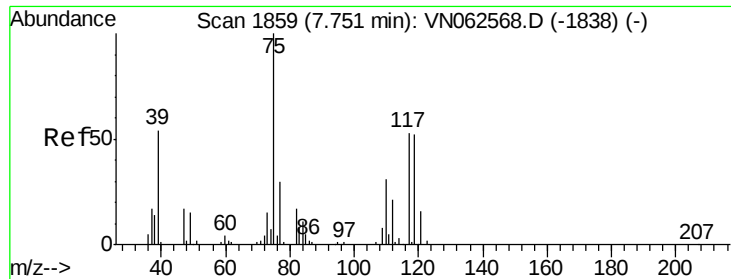
#35
 Dibromofluoromethane
 Concen: 51.387 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062621.D
 Acq: 28 Jul 2020 00:13

Tgt Ion:113 Resp: 83956
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 18.6 14.8 22.2



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

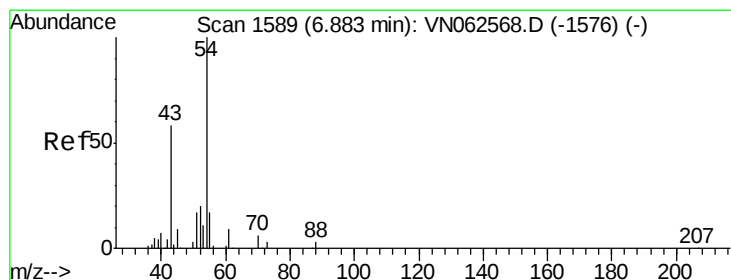
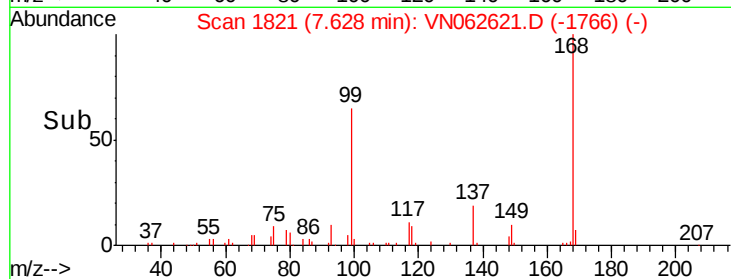
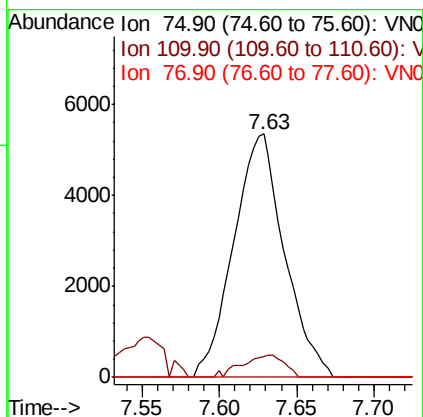
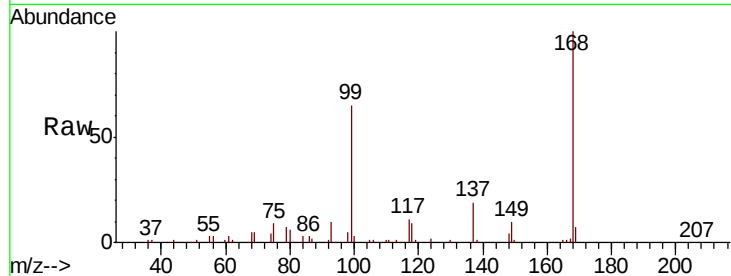




#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062621.D
 Acq: 28 Jul 2020 00:13

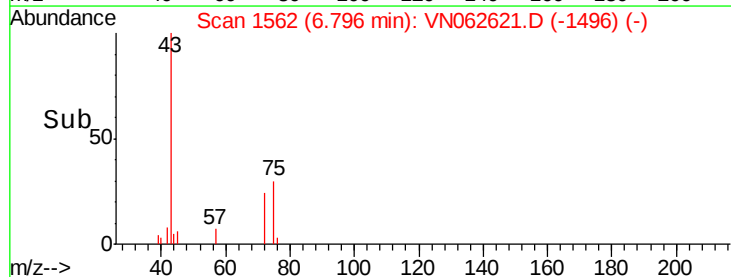
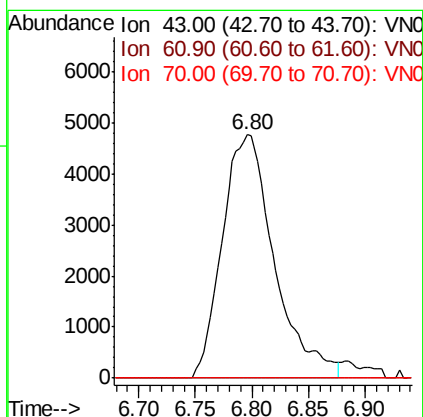
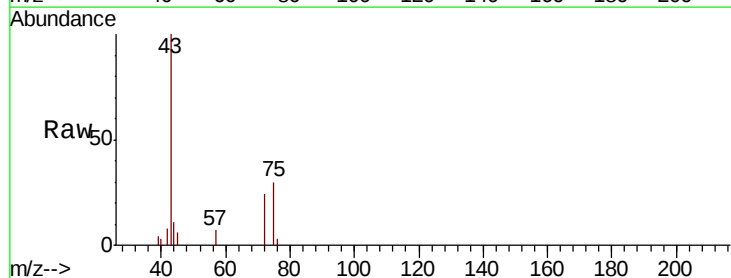
Instrument :
 MSVOA_N
 ClientSampleId :
 20200442-3002B

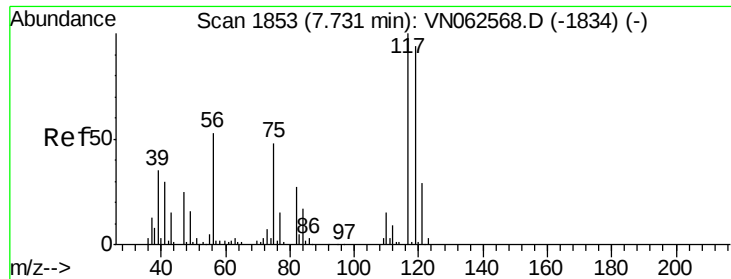
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 5.343 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.09 min
 Lab File: VN062621.D
 Acq: 28 Jul 2020 00:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleId :

20200442-3002B

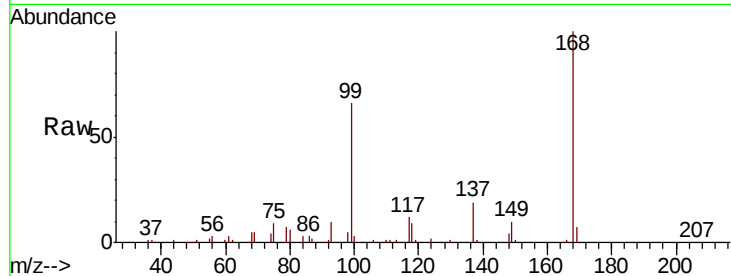
Tot Ion:117 Resp: 15034

Ion Ratio Lower Upper

117 100

119 6.0 74.8 112.2#

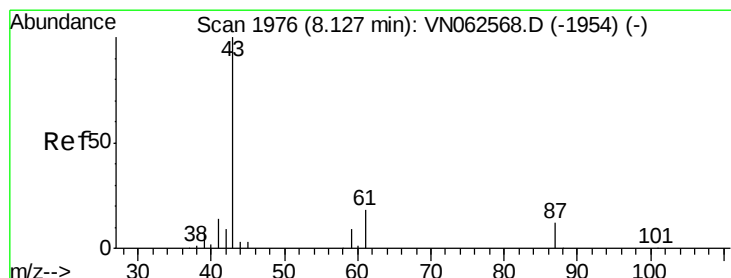
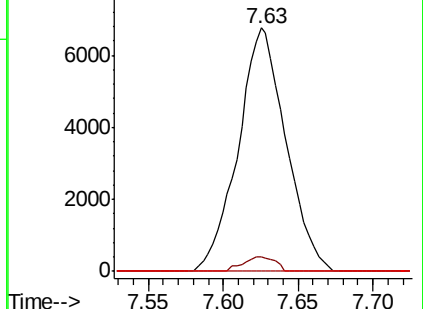
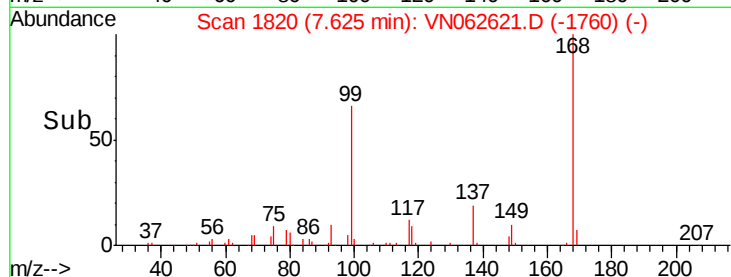
121 0.0 23.0 34.6#



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: 5.130 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

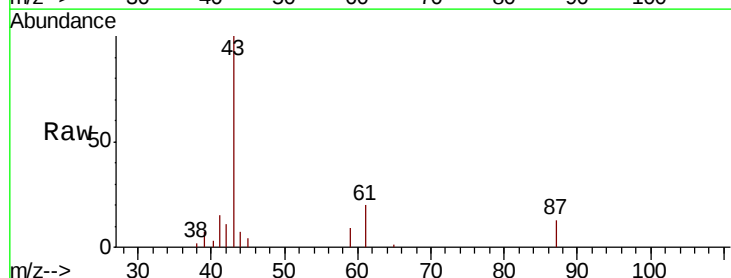
Tgt Ion: 43 Resp: 23632

Ion Ratio Lower Upper

43 100

61 19.2 20.8 31.2#

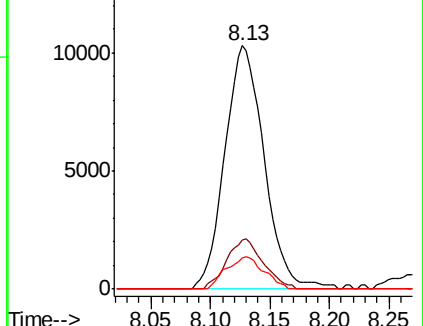
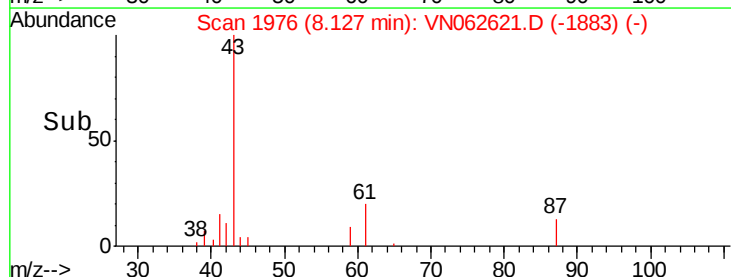
87 12.6 9.2 13.8

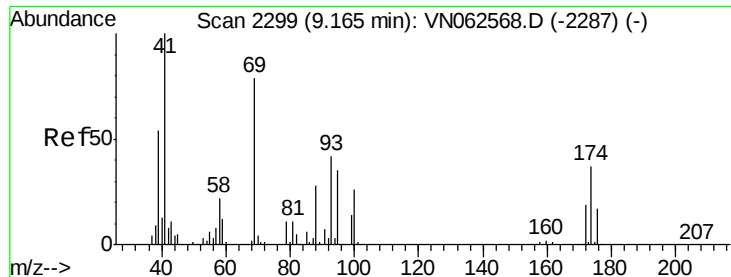


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

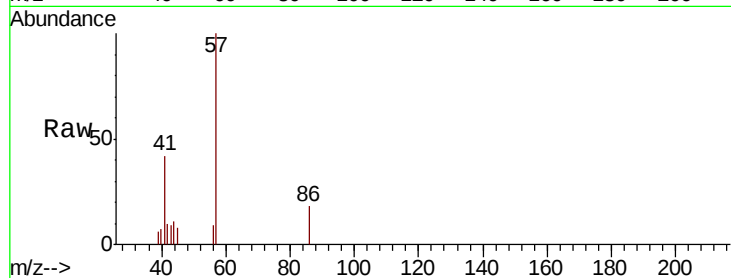




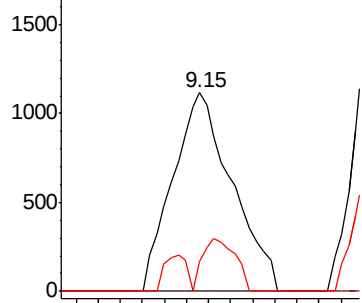
#48
Methvl methacrylate
Concen: 0.950 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

Instrument :
MSVOA_N
ClientSampleId :
20200442-3002B

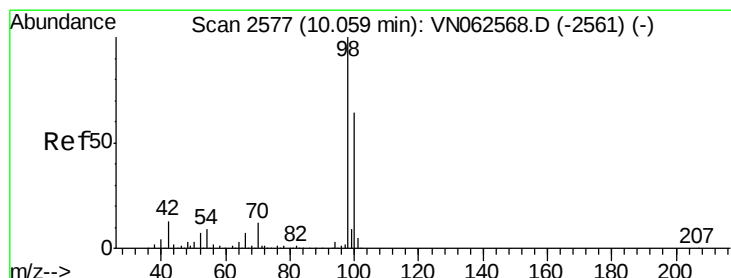
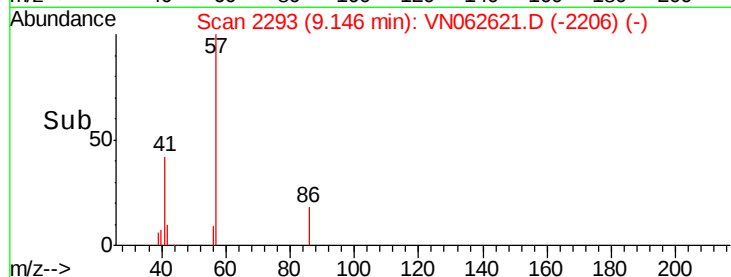
Tot Ion: 41 Resp: 2080
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 14.8 43.5 65.3#



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

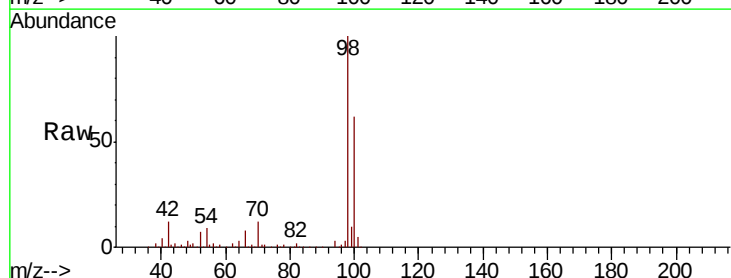


Time-->

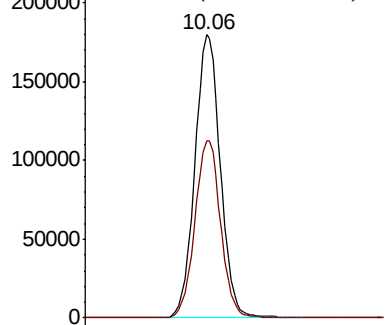


#50
Toluene-d8
Concen: 50.365 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

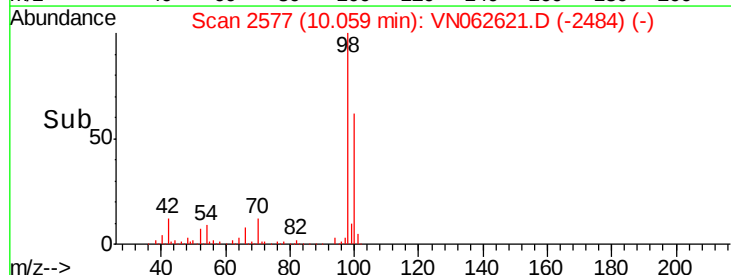
Tgt Ion: 98 Resp: 328317
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

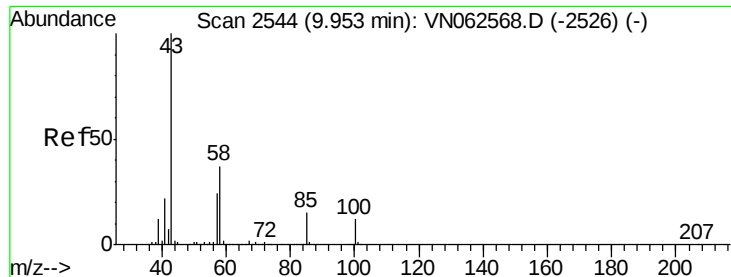


Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.762 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleId :

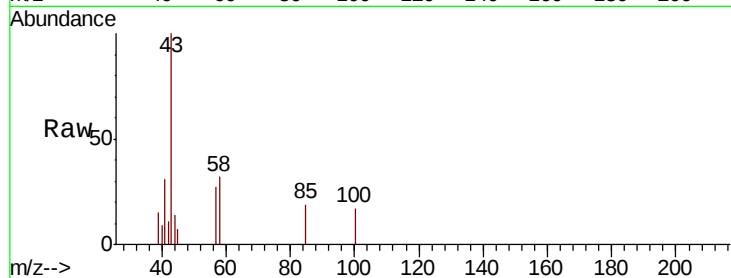
20200442-3002B

Tot Ion: 43 Resp: 4856

Ion Ratio Lower Upper

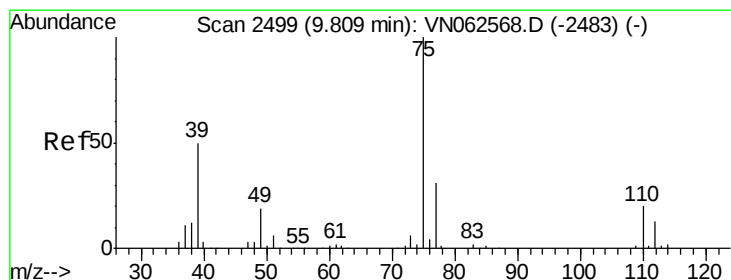
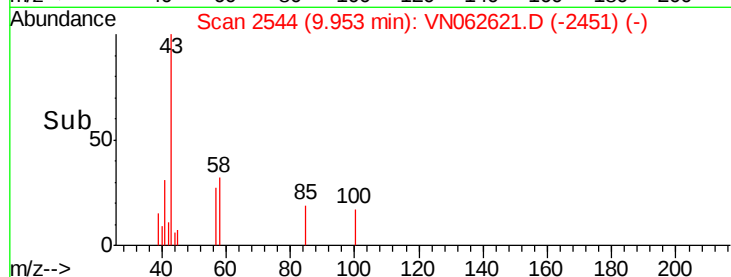
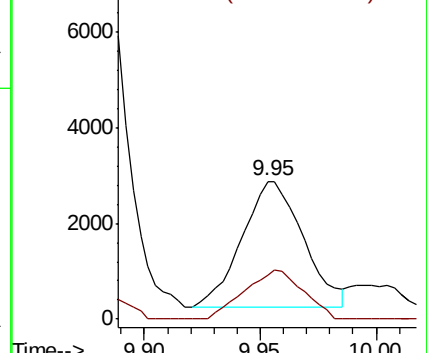
43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 2.869 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

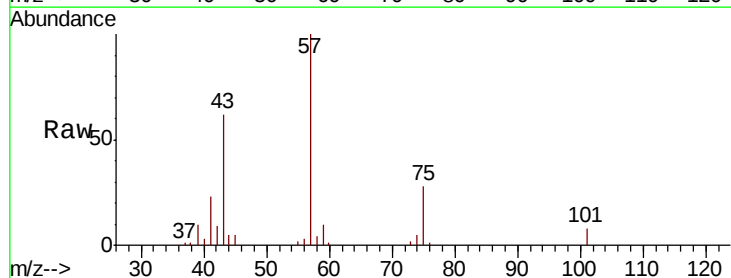
Tgt Ion: 75 Resp: 9671

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

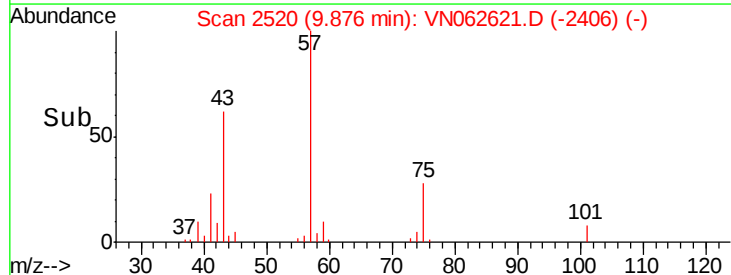
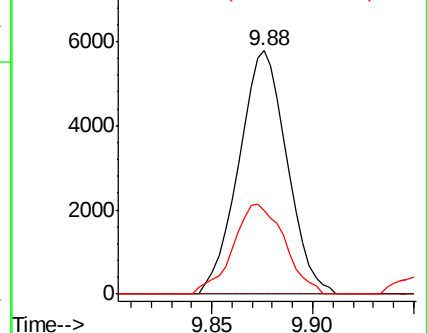
39 34.5 39.8 59.8#

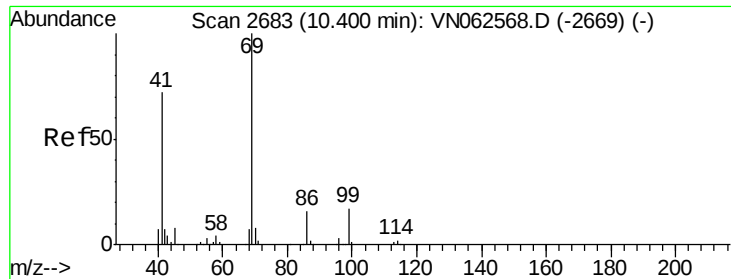


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 1.970 ug/l

RT: 10.52 min Scan# 2721

Delta R.T. 0.12 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleID :

20200442-3002B

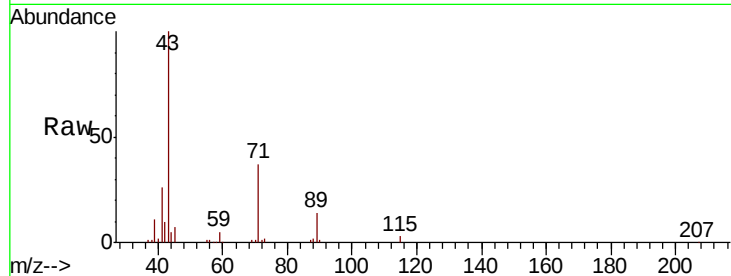
Tot Ion: 69 Resp: 675

Ion Ratio Lower Upper

69 100

41 4404.3 57.2 85.8#

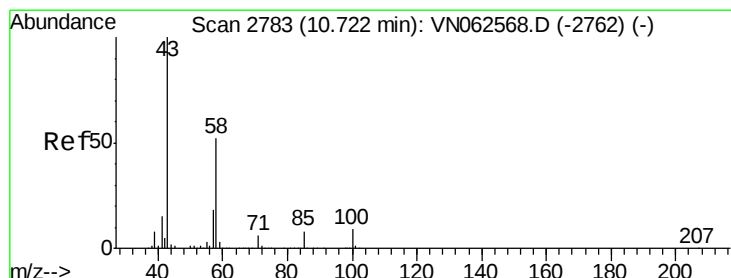
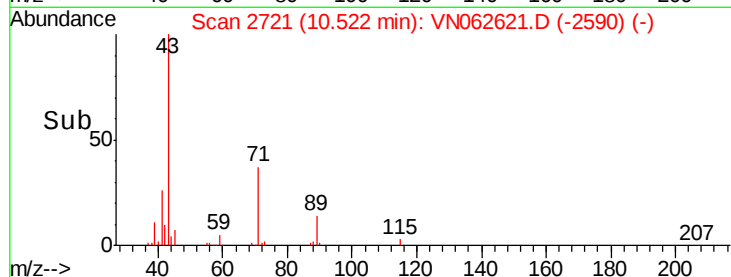
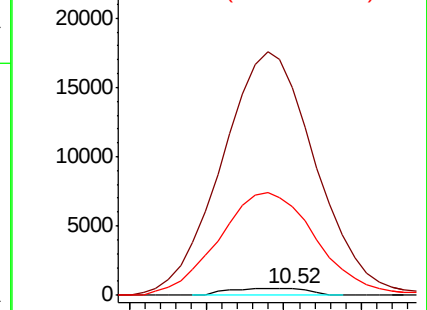
39 1935.9 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 5.544 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN062621.D

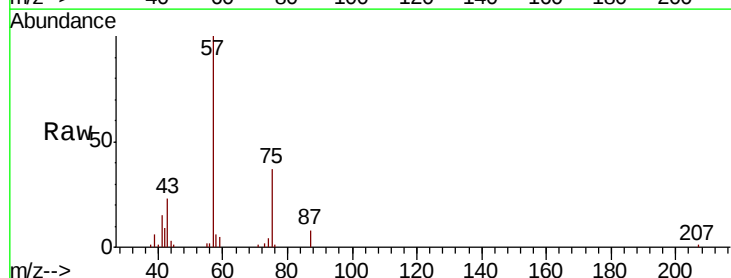
Acq: 28 Jul 2020 00:13

Tgt Ion: 43 Resp: 5576

Ion Ratio Lower Upper

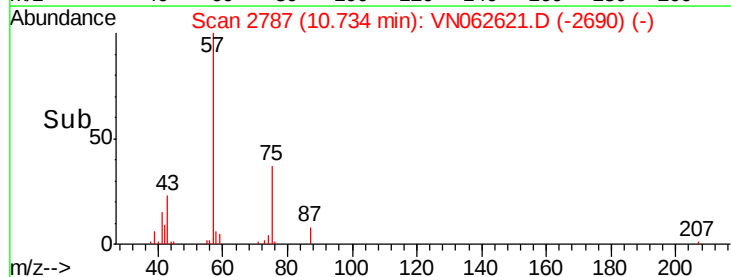
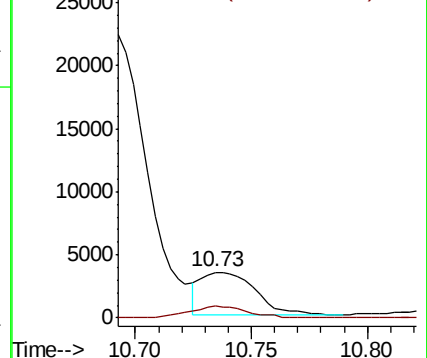
43 100

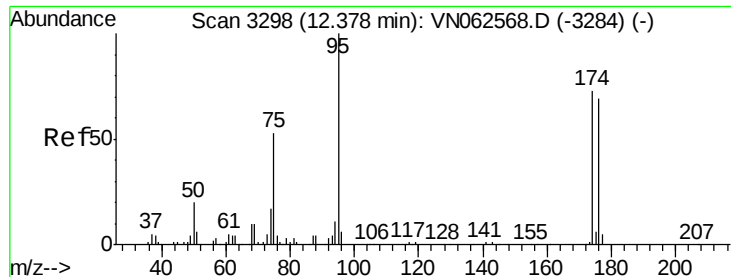
58 28.3 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

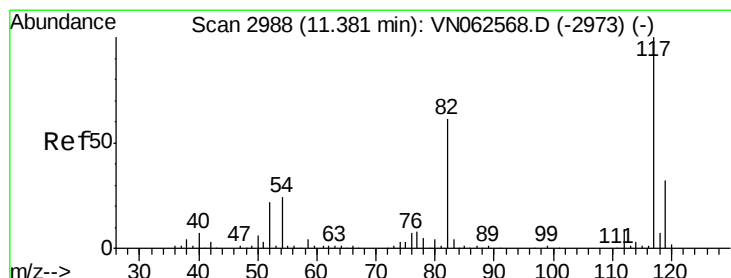
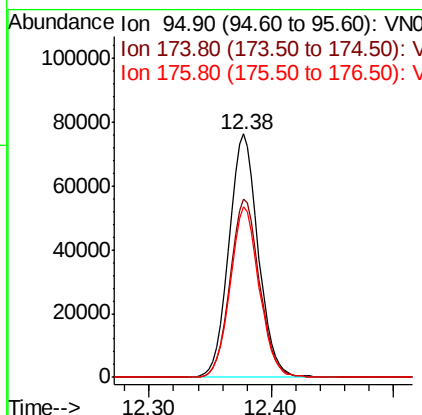
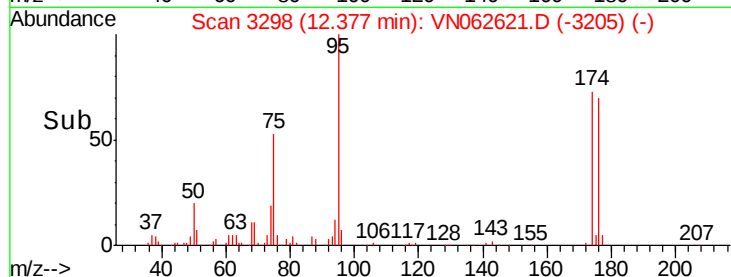
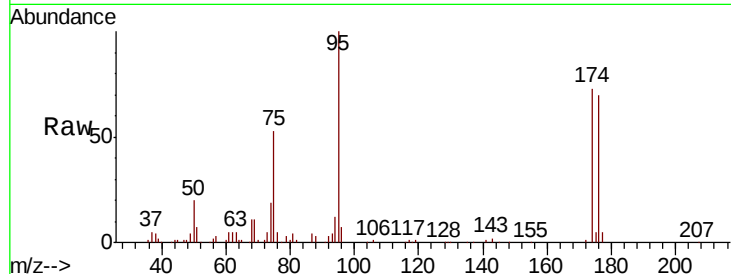




#62
4-Bromofluorobenzene
Concen: 53.722 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

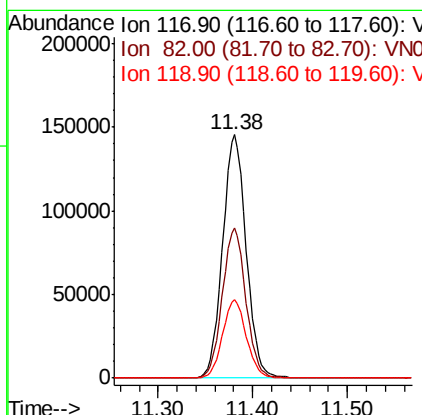
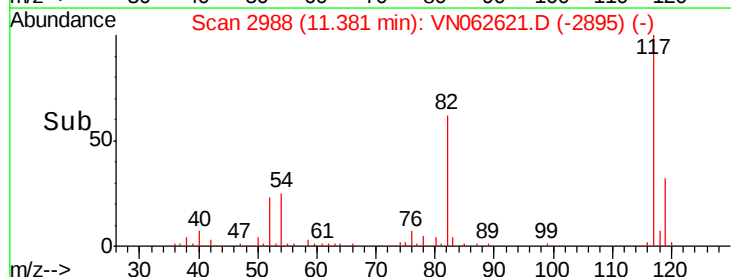
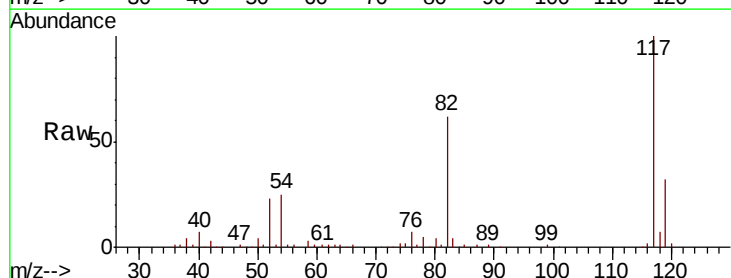
Instrument :
MSVOA_N
ClientSampleId :
20200442-3002B

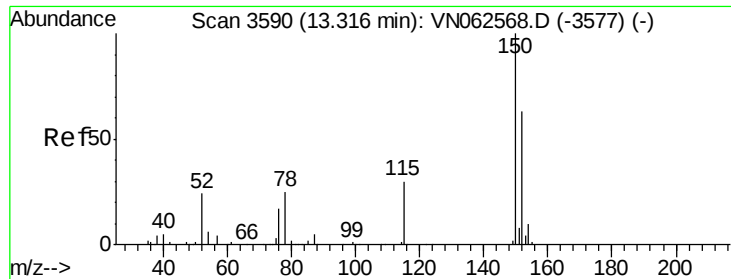
Tot Ion: 95 Resp: 128048
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 69.4 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062621.D
Acq: 28 Jul 2020 00:13

Tgt Ion: 117 Resp: 252287
Ion Ratio Lower Upper
117 100
82 61.7 49.0 73.6
119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleId :

20200442-3002B

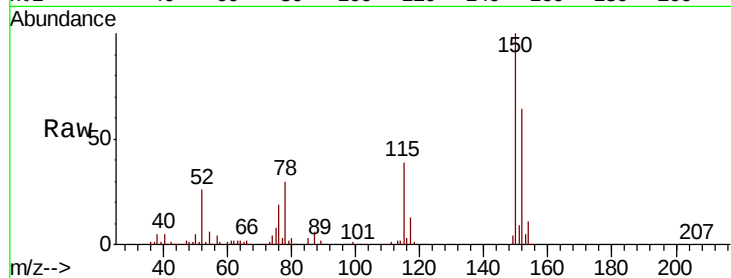
Tot Ion:152 Resp: 110468

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

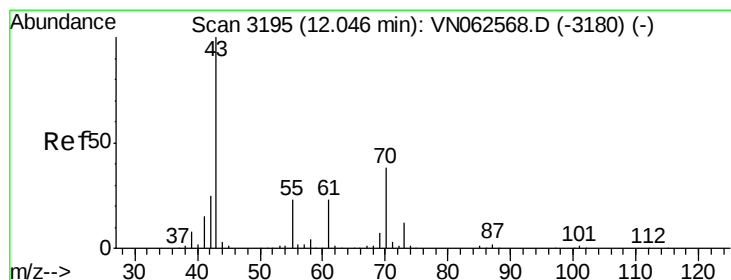
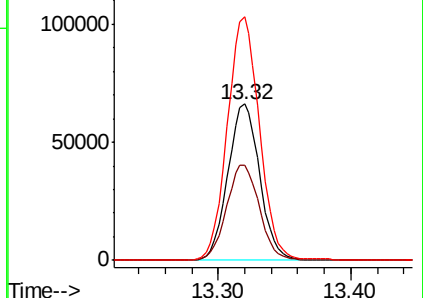
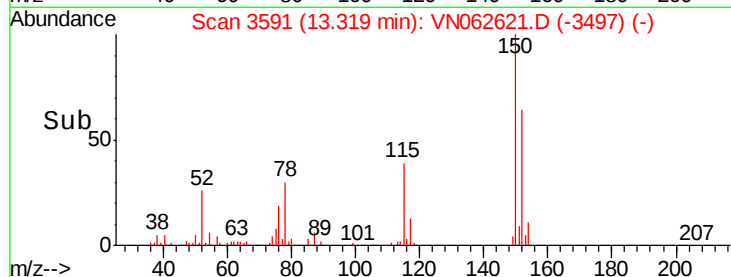
150 157.2 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.606 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Tgt Ion: 43 Resp: 2362

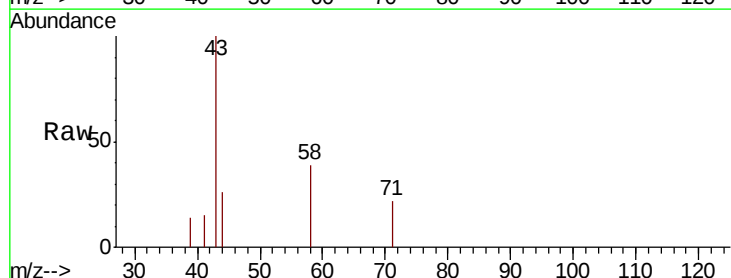
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

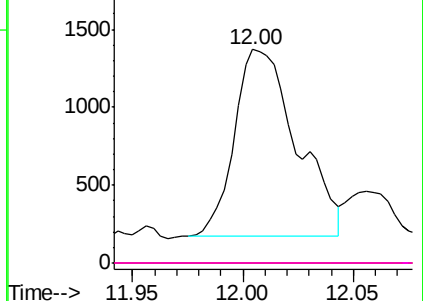
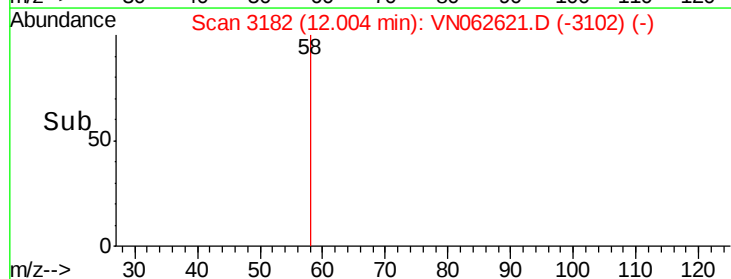


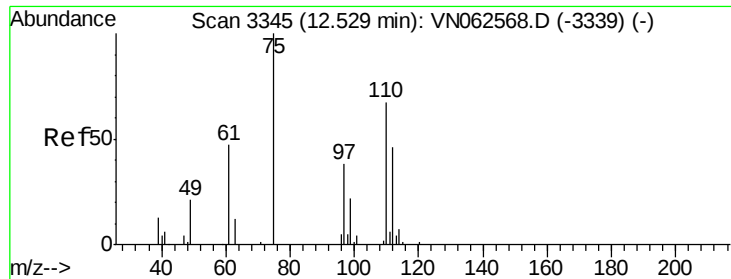
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 24.575 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

Instrument :

MSVOA_N

ClientSampleId :

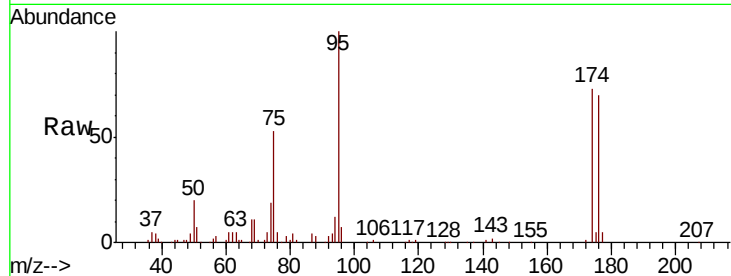
20200442-3002B

Tot Ion: 75 Resp: 69101

Ion Ratio Lower Upper

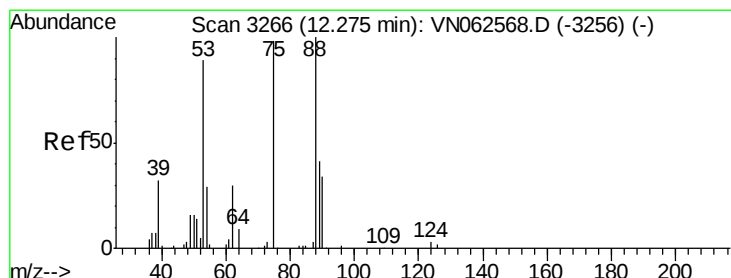
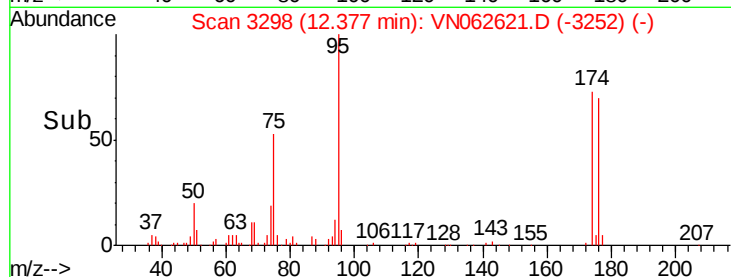
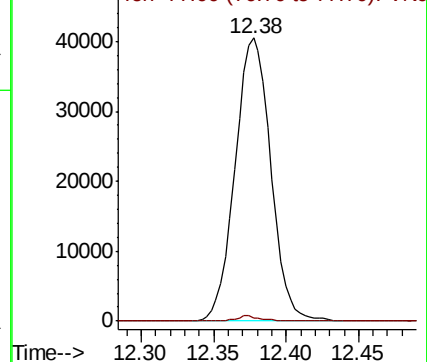
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.412 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062621.D

Acq: 28 Jul 2020 00:13

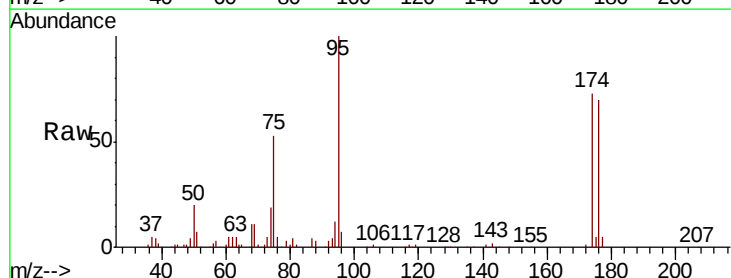
Tgt Ion: 75 Resp: 69101

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

