

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060875.D
 Acq On : 7 Apr 2020 14:33
 Operator : JC/MD
 Sample : L2178-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 08 02:41:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	308646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123986	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	119360	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	7.56	113	91966	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.08	98	381163	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	136416	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

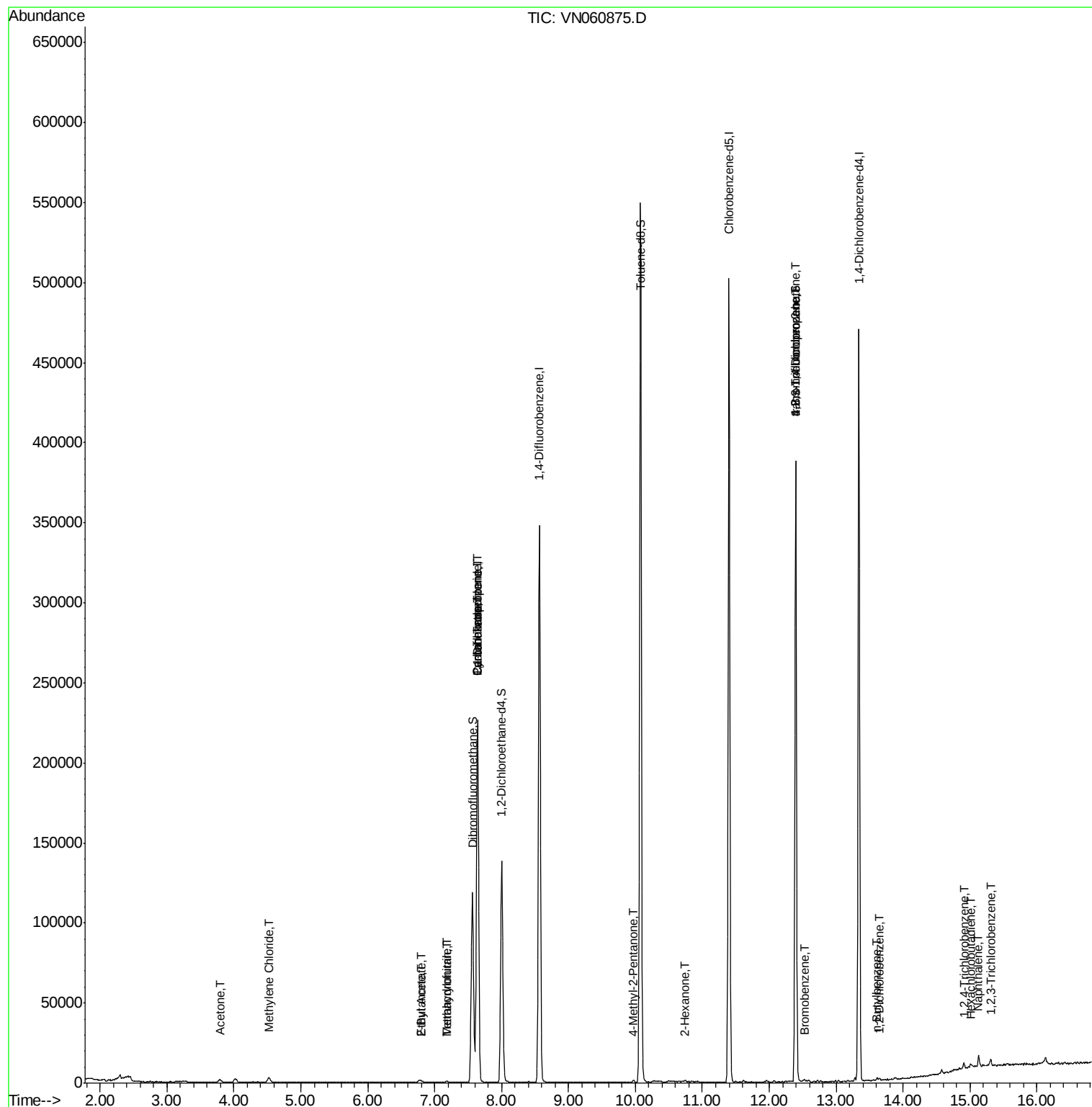
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3830	4.222	ug/l	97
20) Methylene Chloride	4.52	84	2483	1.113	ug/l	93
25) 2-Butanone	6.81	43	948	0.646	ug/l #	50
29) Tetrahydrofuran	7.17	42	426	0.410	ug/l #	35
31) Cyclohexane	7.64	56	3946	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14769	4.942	ug/l #	49
37) Ethyl Acetate	6.81	43	948	0.294	ug/l #	70
38) Carbon Tetrachloride	7.64	117	17693	6.605	ug/l #	16
41) Methacrylonitrile	7.18	41	527	0.382	ug/l #	100
51) 4-Methyl-2-Pentanone	9.97	43	1069	0.353	ug/l	99
59) 2-Hexanone	10.74	43	1241	0.568	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	69293	25.900	ug/l #	100
77) Bromobenzene	12.52	156	701	0.313	ug/l #	23
81) trans-1,4-Dichloro-2-buten	12.40	75	69293	66.520	ug/l #	13
89) n-Butylbenzene	13.61	91	1558	0.218	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	797	0.211	ug/l #	70
92) 1,2-Dibromo-3-Chloropropan	14.26	75	138	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.90	180	1332	0.574	ug/l	95
94) Hexachlorobutadiene	15.01	225	533	0.468	ug/l	93
95) Naphthalene	15.13	128	5304	0.759	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	1717	0.751	ug/l	92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040720\
Data File : VN060875.D
Acq On : 7 Apr 2020 14:33
Operator : JC/MD
Sample : L2178-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Apr 08 02:41:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

Instrument :

MSVOA_N

ClientSampleId :

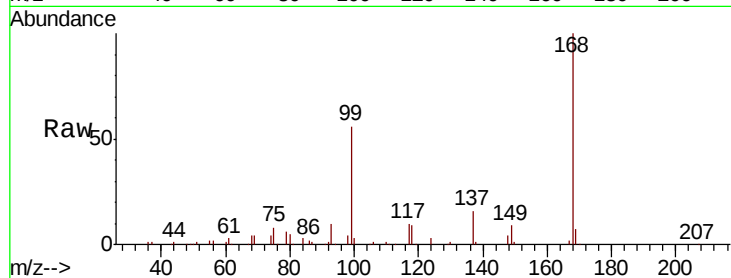
TRIP-BLANK

Tot Ion:168 Resp: 186542

Ion Ratio Lower Upper

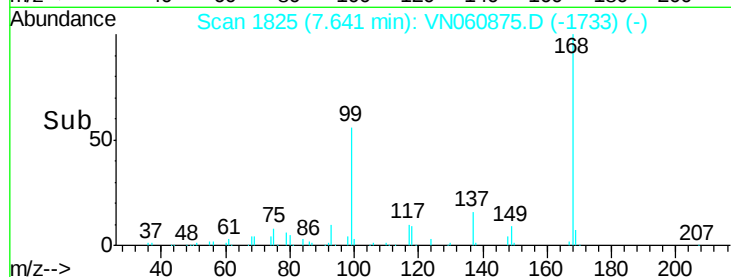
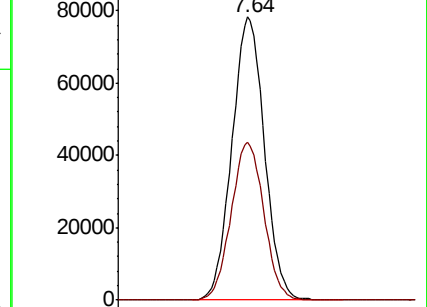
168 100

99 55.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 4.222 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060875.D

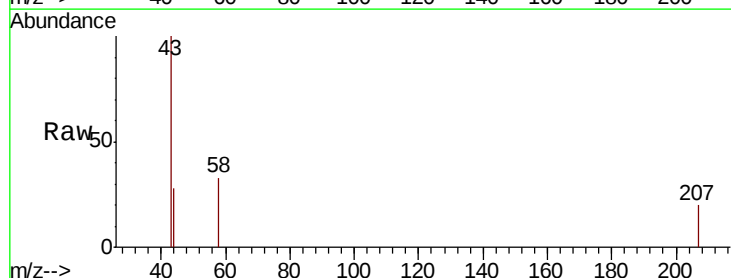
Acq: 7 Apr 2020 14:33

Tgt Ion: 43 Resp: 3830

Ion Ratio Lower Upper

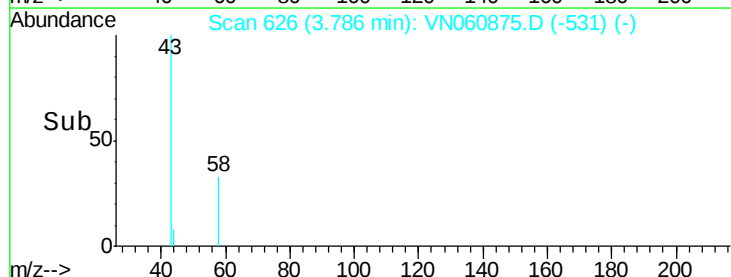
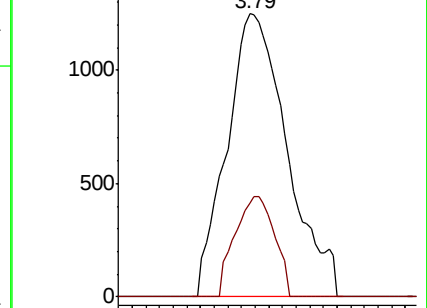
43 100

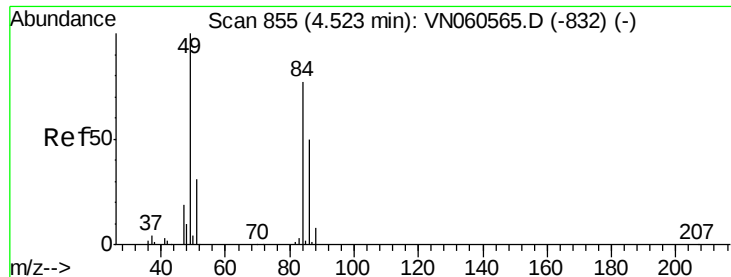
58 33.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

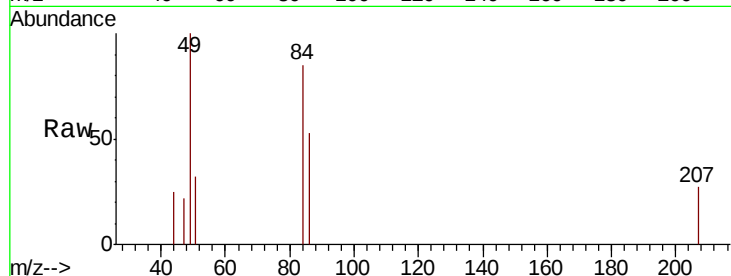




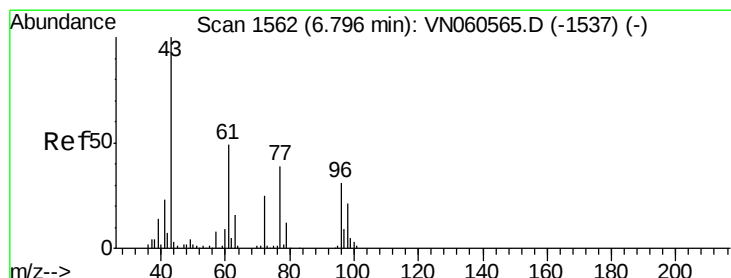
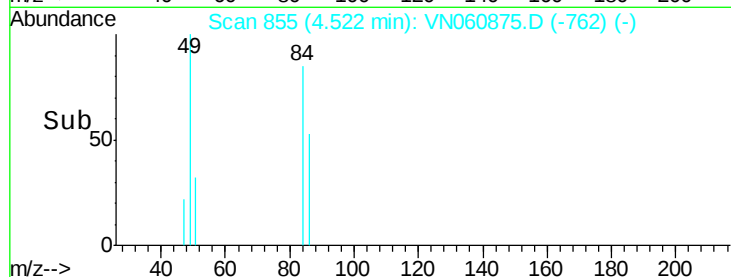
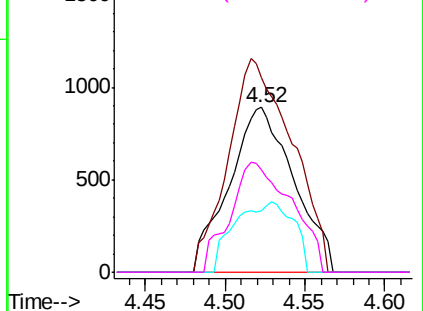
#20
Methvlene Chloride
Concen: 1.113 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:	84	Resp:	2483
Ion	Ratio	Lower	Upper
84	100		
49	118.2	103.3	154.9
51	37.5	31.6	47.4
86	62.1	52.0	78.0

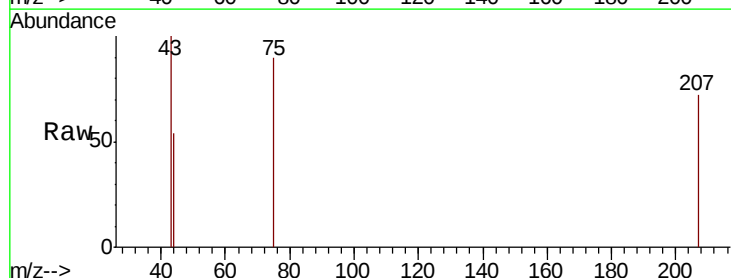


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

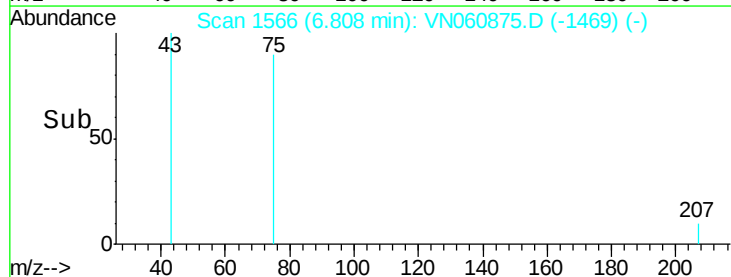
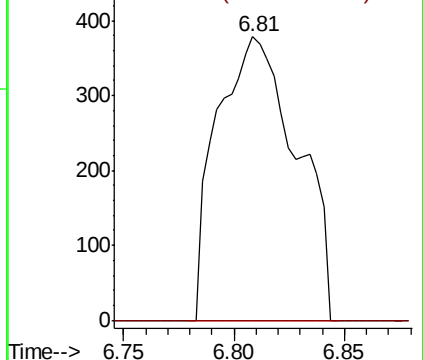


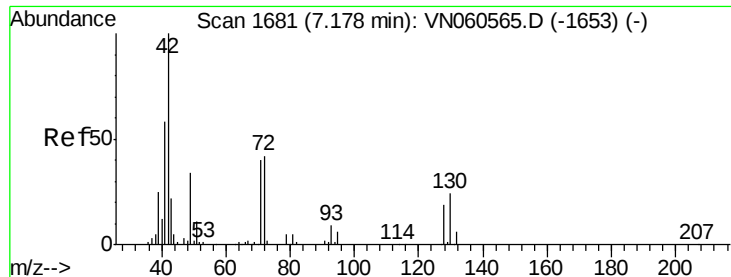
#25
2-Butanone
Concen: 0.646 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Tgt Ion:	43	Resp:	948
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.410 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

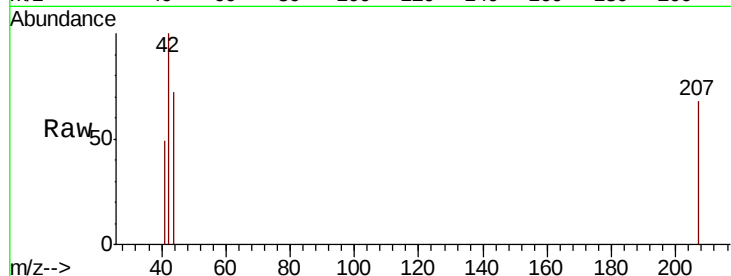
Tot Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

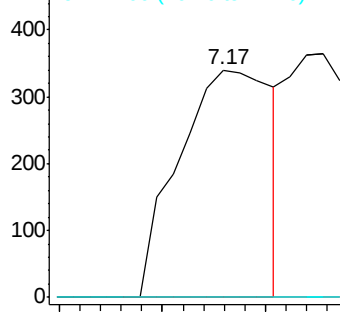
71 0.0 31.1 46.7#



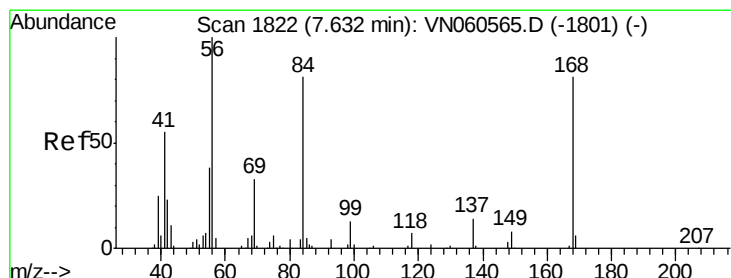
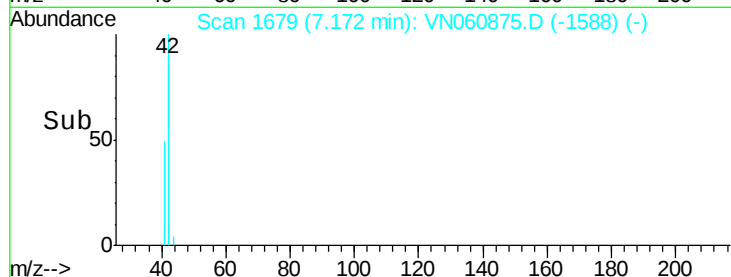
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.14 7.16 7.18



#31

Cyclohexane

Concen: 0.957 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

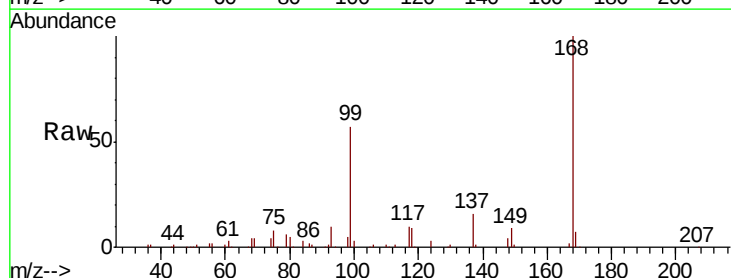
Tgt Ion: 56 Resp: 3946

Ion Ratio Lower Upper

56 100

69 163.1 26.6 40.0#

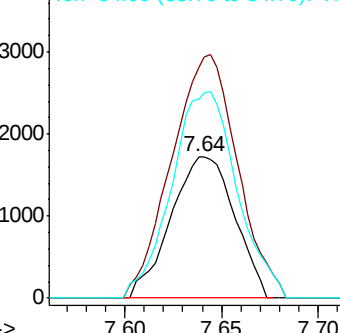
84 140.6 64.3 96.5#



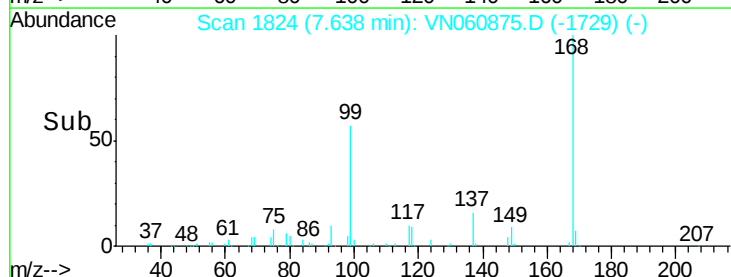
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time--> 7.60 7.65 7.70

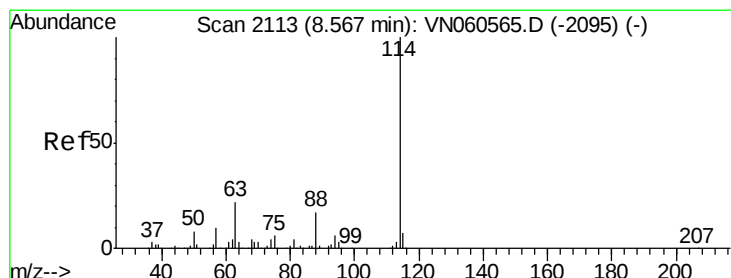
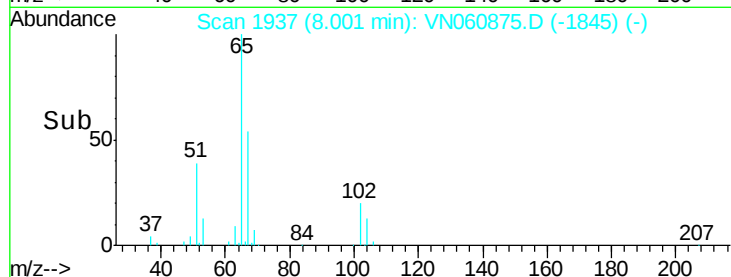
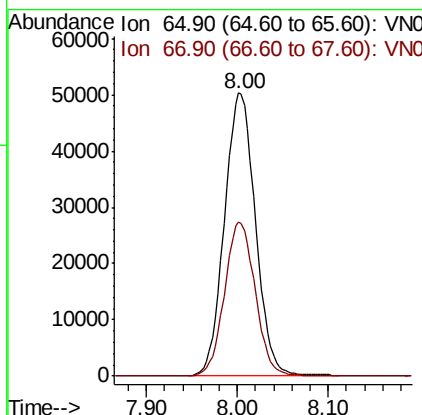
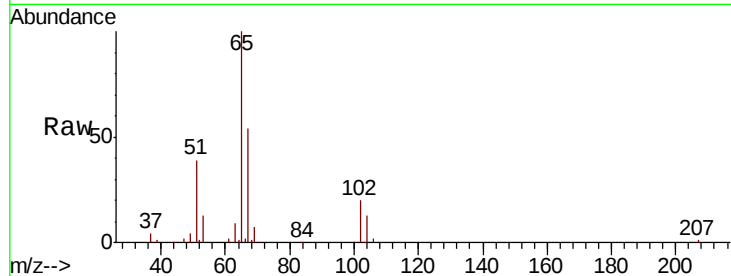




#33
 1,2-Dichloroethane-d4
 Concen: 46.611 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

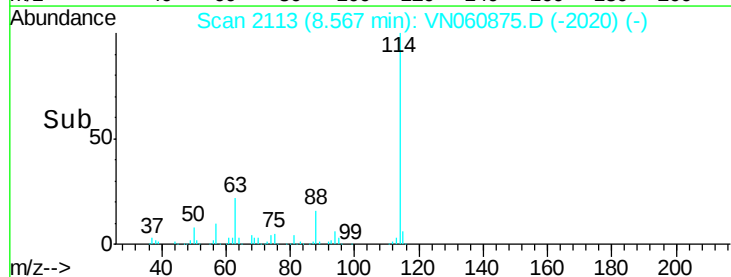
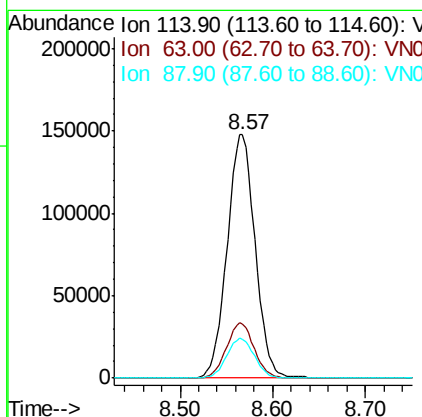
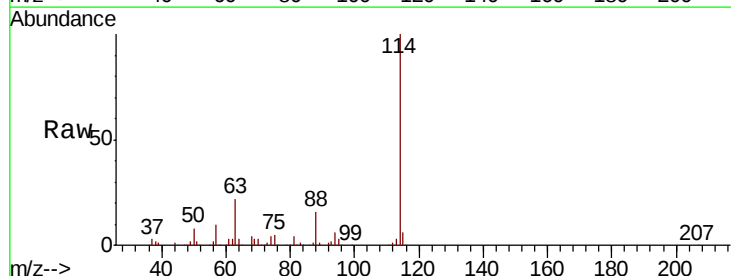
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

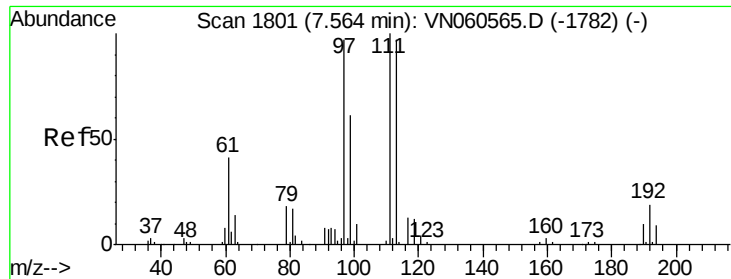
Tot Ion: 65 Resp: 119360
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

Tgt Ion: 114 Resp: 308646
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.2 0.0 33.0

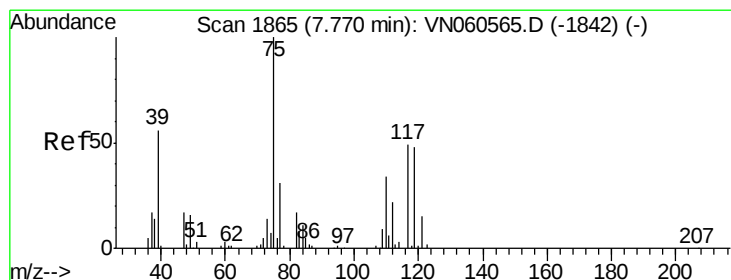
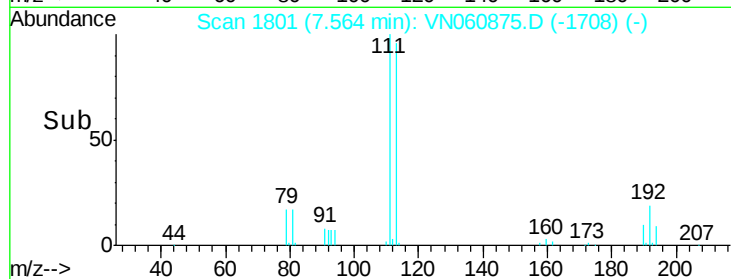
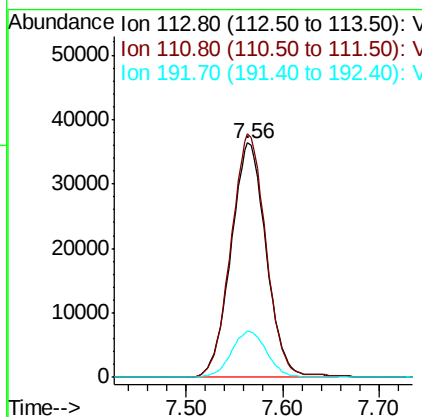
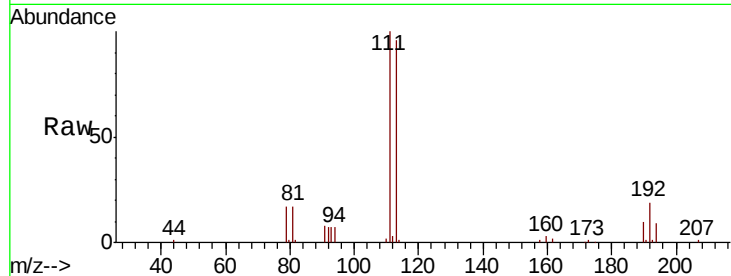




#35
 Dibromofluoromethane
 Concen: 49.278 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

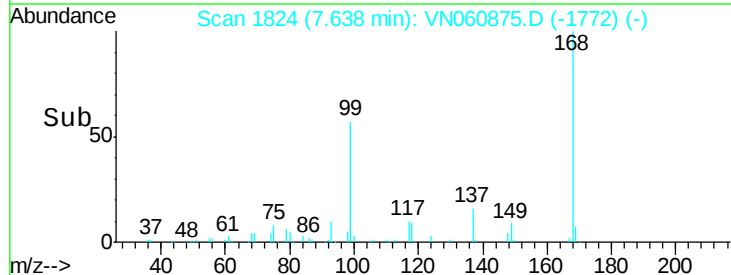
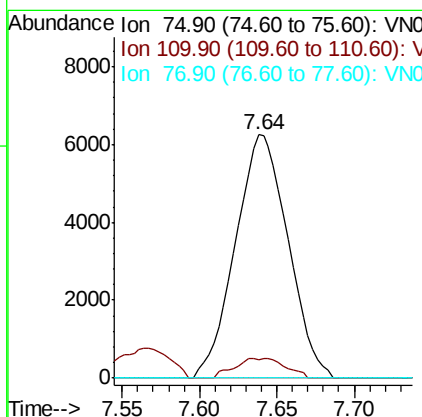
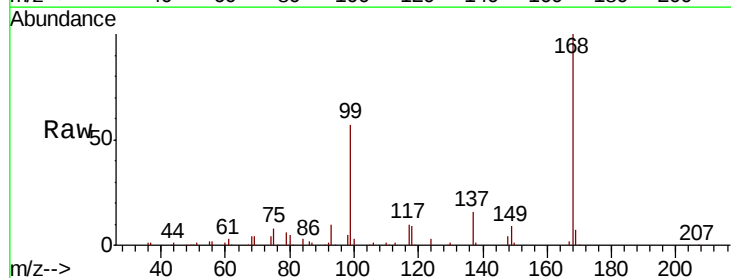
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

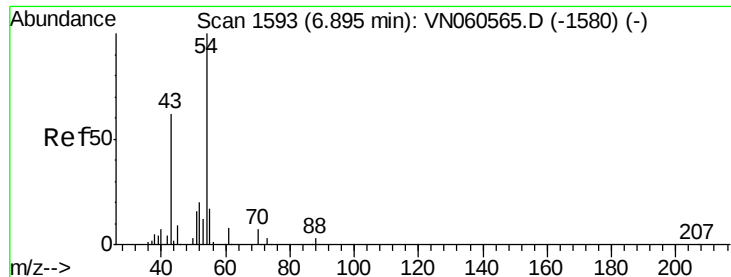
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.7	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.9	50.6#
77	0.0	24.6	36.8#

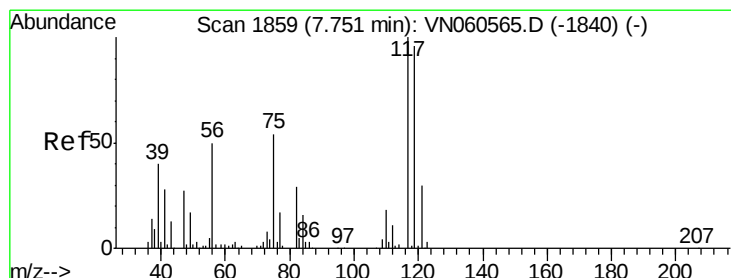
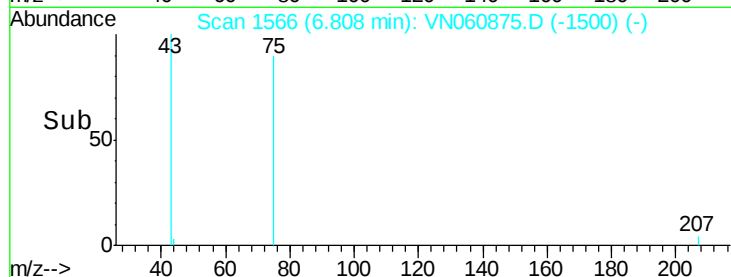
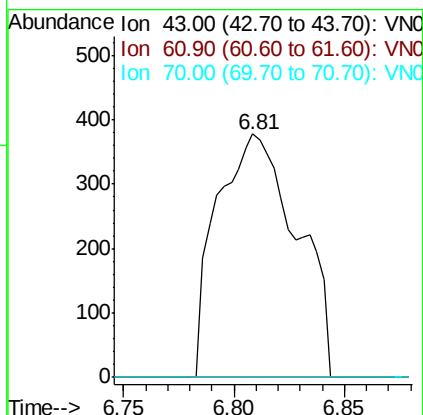
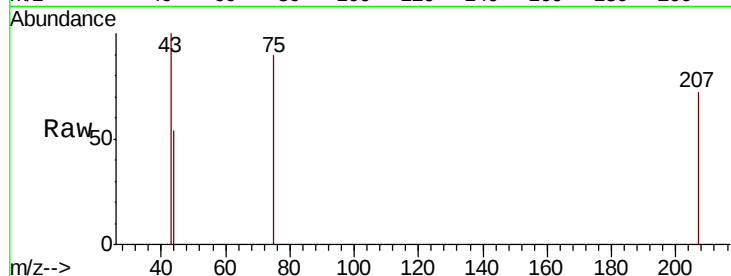




#37
Ethyl Acetate
Concen: 0.294 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

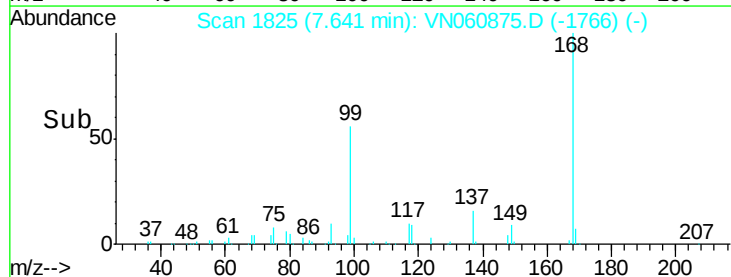
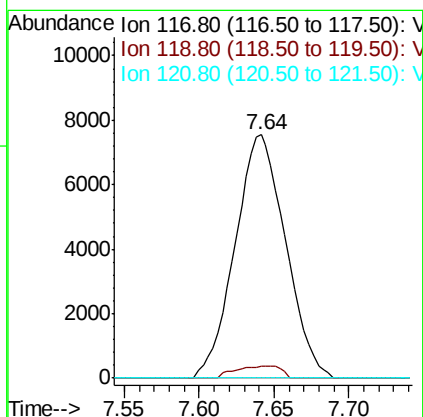
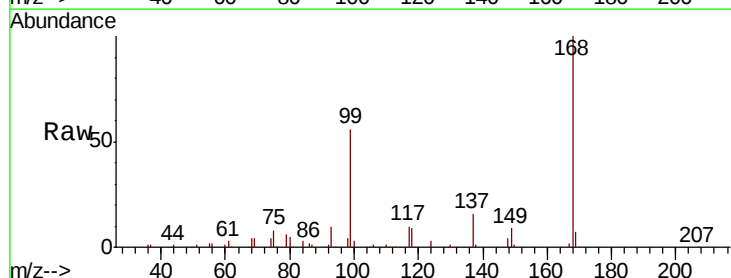
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

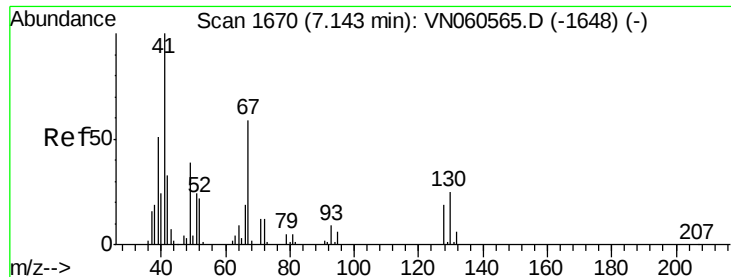
Tot Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.605 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Tgt Ion: 117 Resp: 17693
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 23.7 35.5#

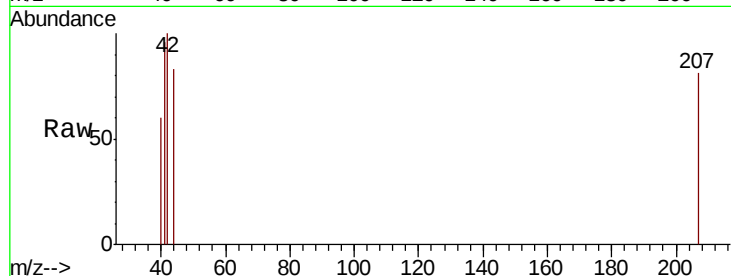




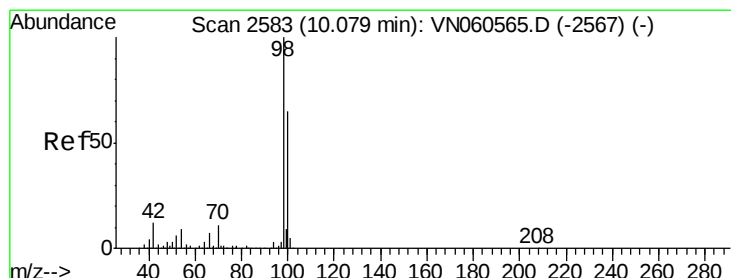
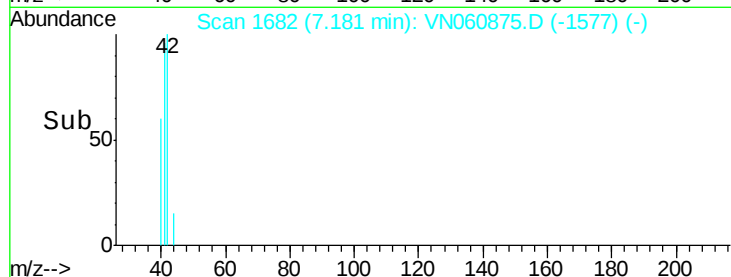
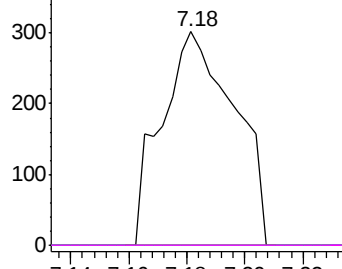
#41
Methacrylonitrile
Concen: 0.382 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.04 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:	41	Resp:	527
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

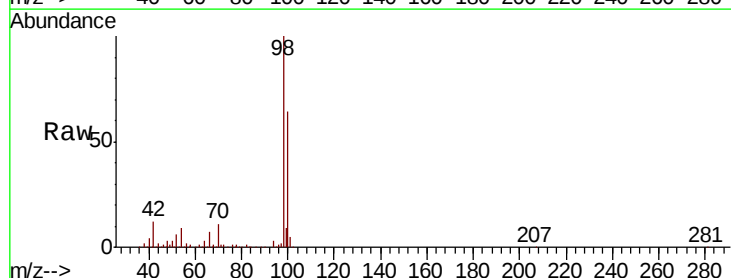


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

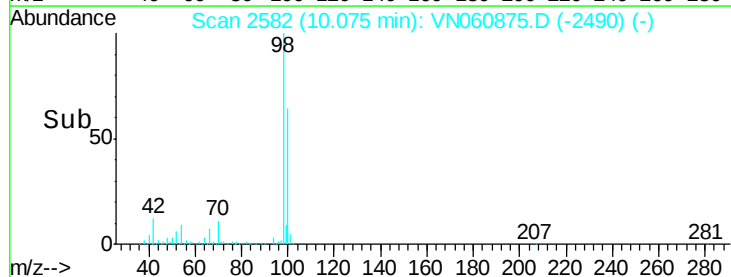
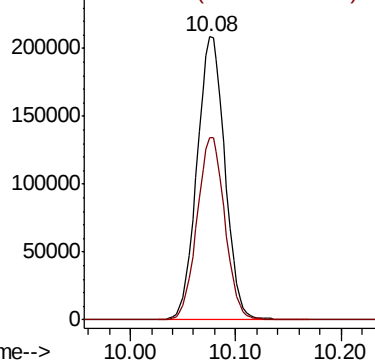


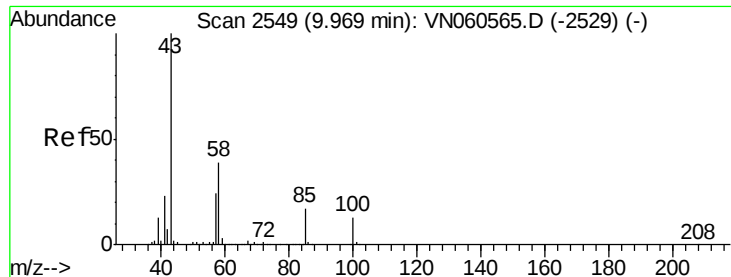
#50
Toluene-d8
Concen: 50.001 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Tgt Ion:	98	Resp:	381163
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8



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

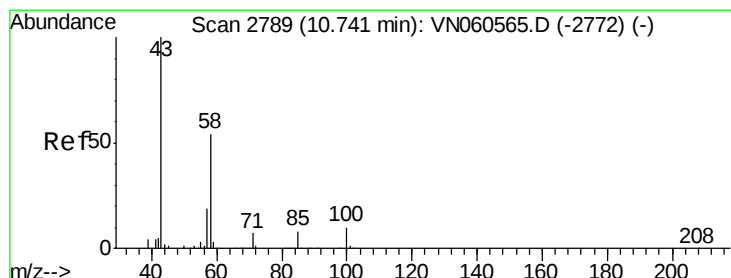
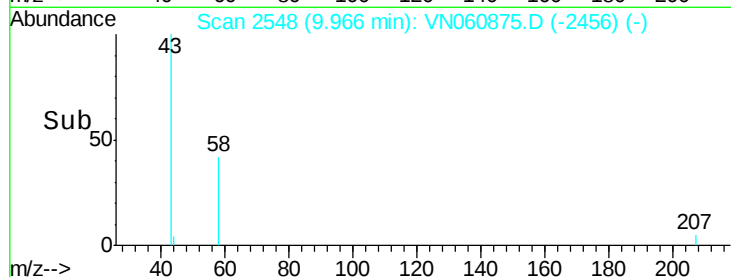
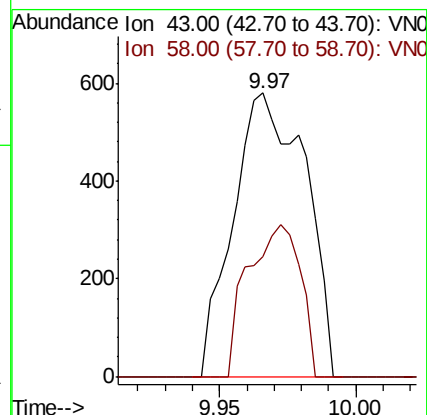
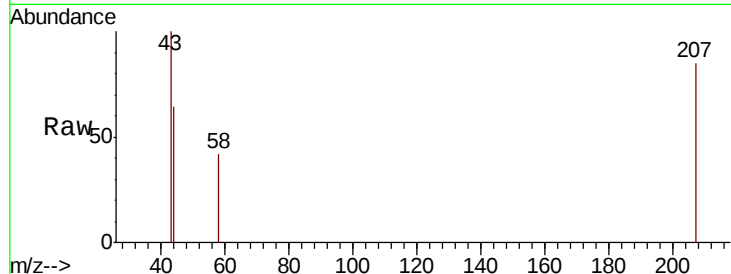




#51
 4-Methyl-2-Pentanone
 Concen: 0.353 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

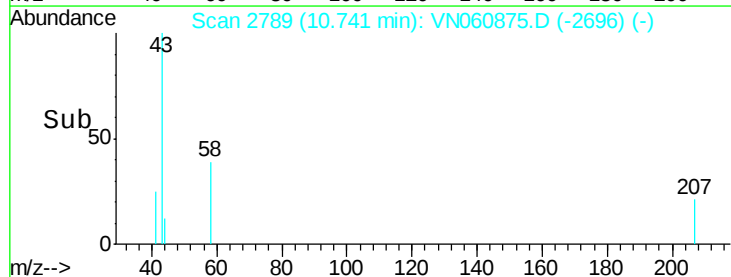
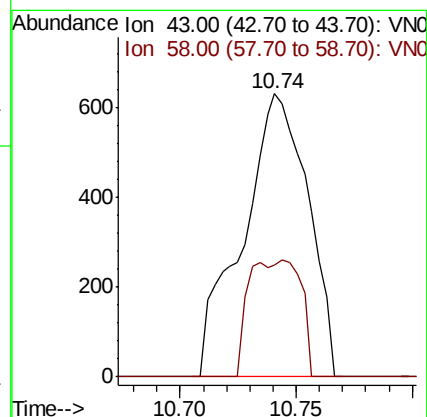
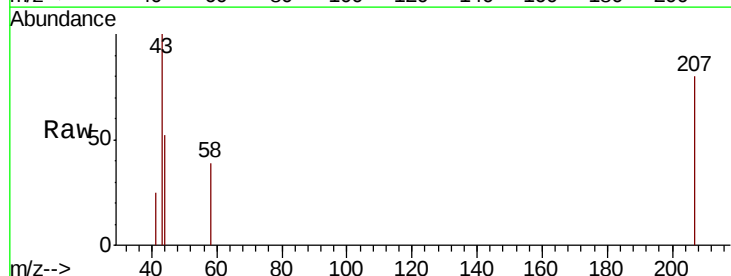
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

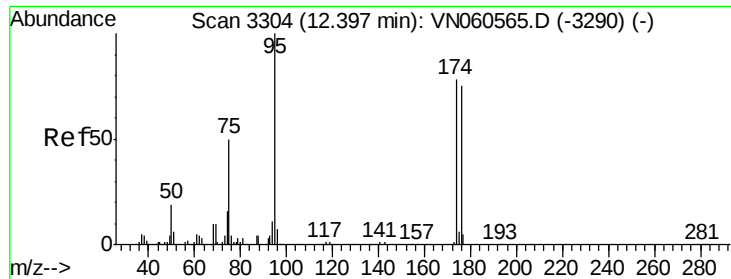
Tot Ion: 43 Resp: 1069
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.8 46.2



#59
 2-Hexanone
 Concen: 0.568 ug/l
 RT: 10.74 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

Tgt Ion: 43 Resp: 1241
 Ion Ratio Lower Upper
 43 100
 58 14.4 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 48.829 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

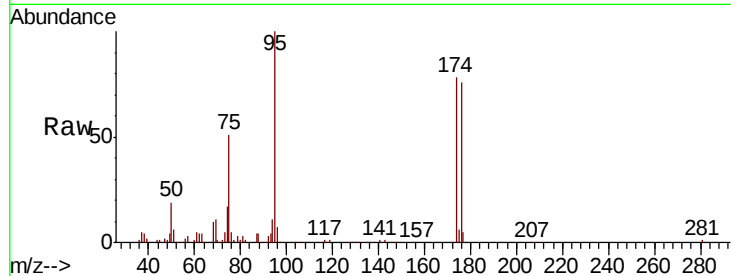
Tot Ion: 95 Resp: 136416

Ion Ratio Lower Upper

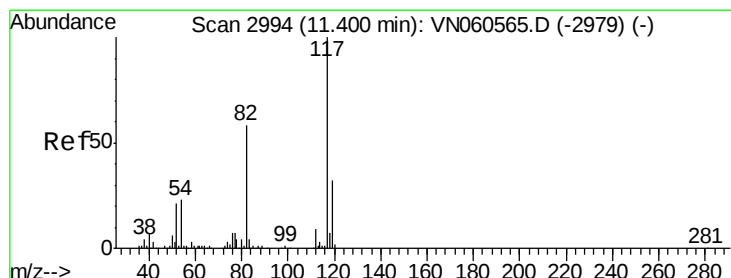
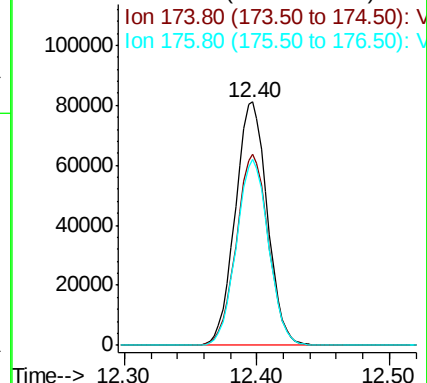
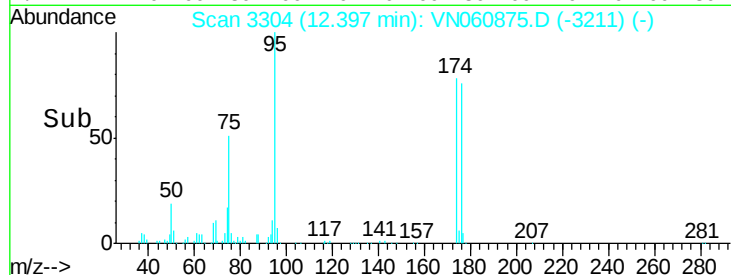
95 100

174 78.6 0.0 157.6

176 76.4 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060875.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

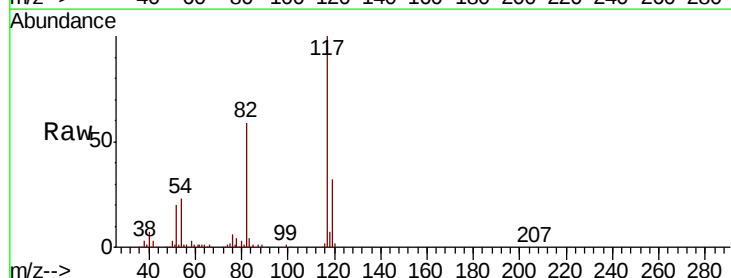
Tgt Ion: 117 Resp: 284590

Ion Ratio Lower Upper

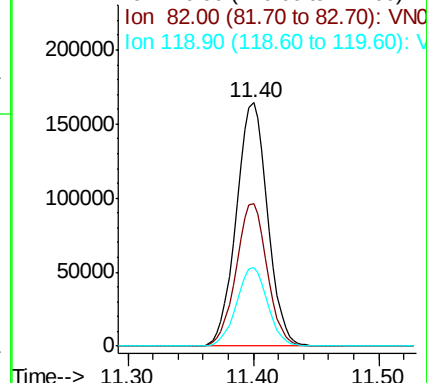
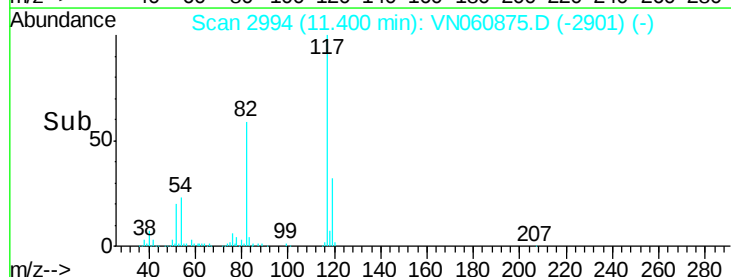
117 100

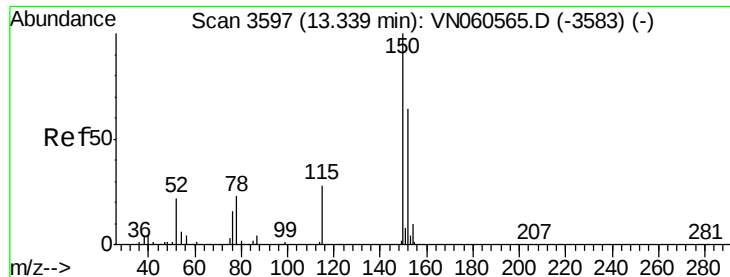
82 58.6 46.7 70.1

119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN060875.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

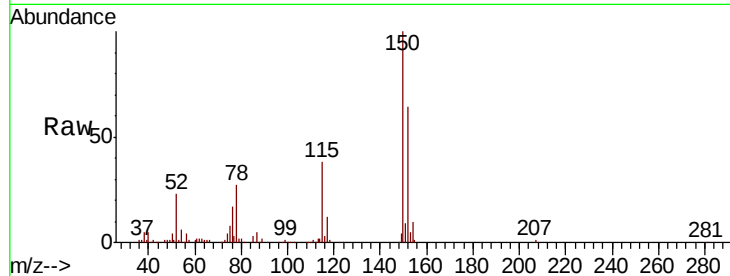
Tot Ion:152 Resp: 123986

Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

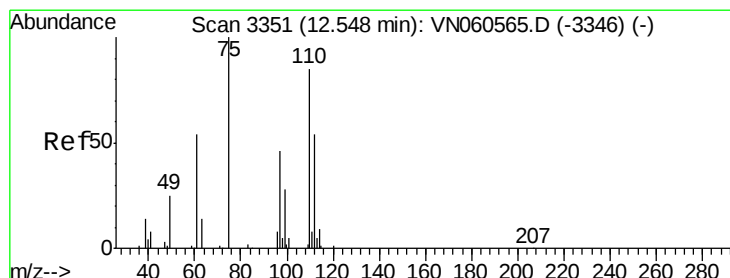
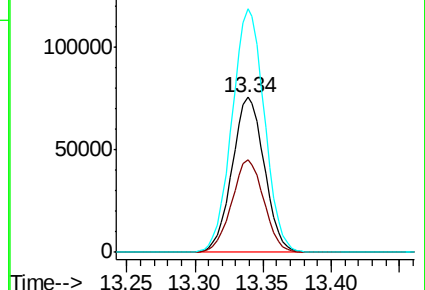
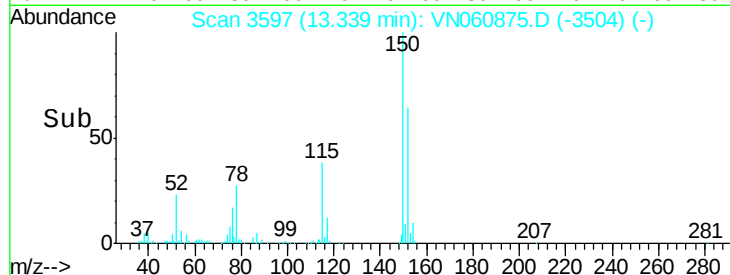
150 158.3 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 25.900 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060875.D

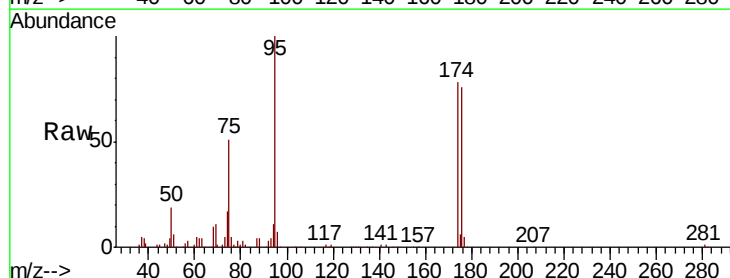
Acq: 7 Apr 2020 14:33

Tgt Ion: 75 Resp: 69293

Ion Ratio Lower Upper

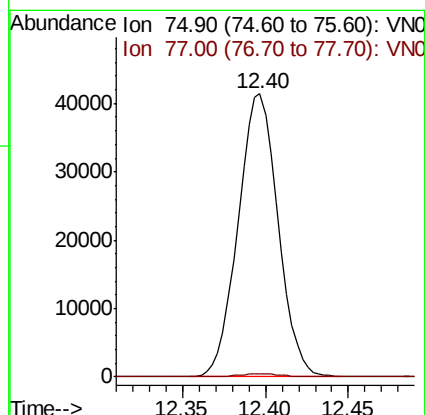
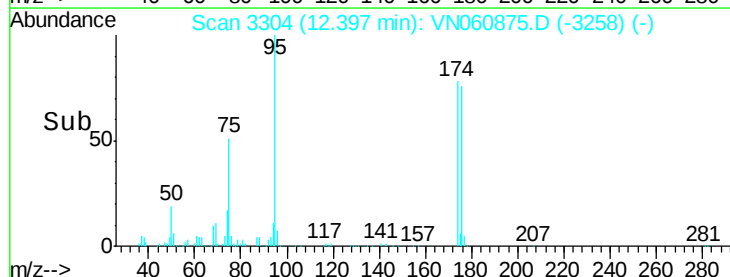
75 100

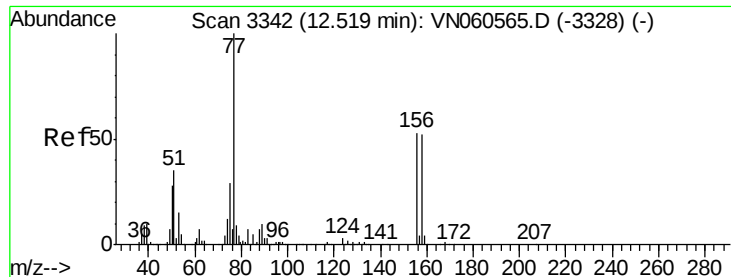
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.313 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

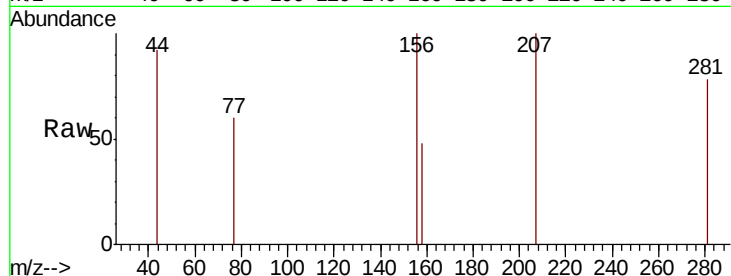
Tot Ion:156 Resp: 701

Ion Ratio Lower Upper

156 100

77 97.3 112.3 337.0#

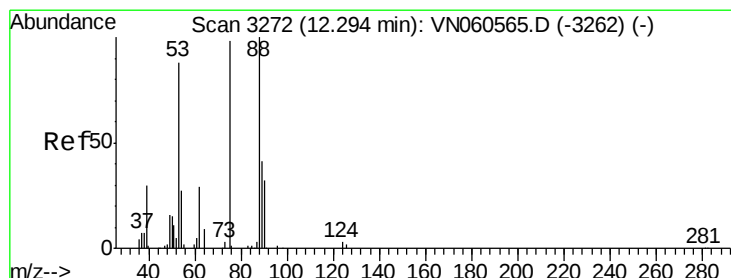
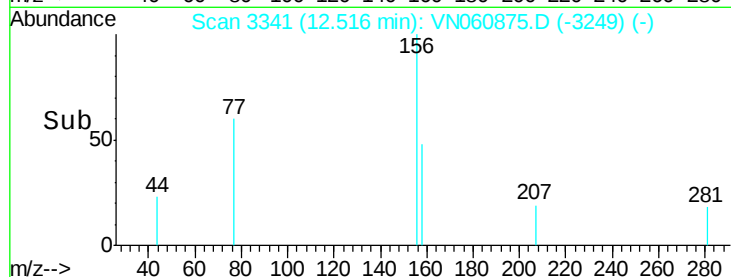
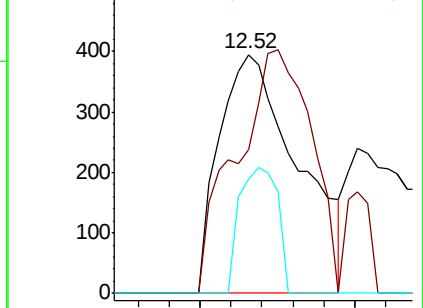
158 25.5 48.6 145.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.520 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060875.D

Acq: 7 Apr 2020 14:33

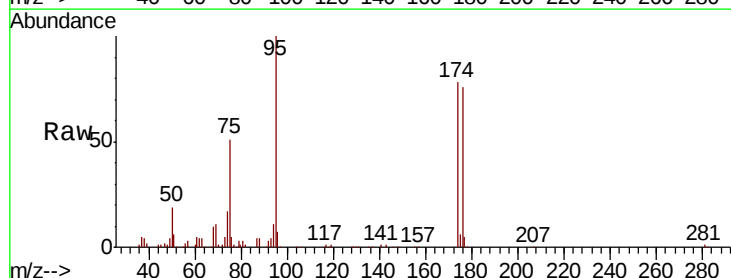
Tgt Ion: 75 Resp: 69293

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

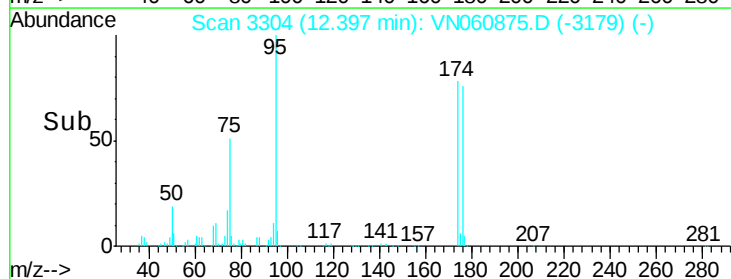
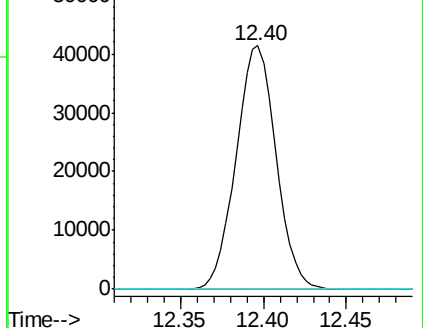
89 0.0 34.8 52.2#

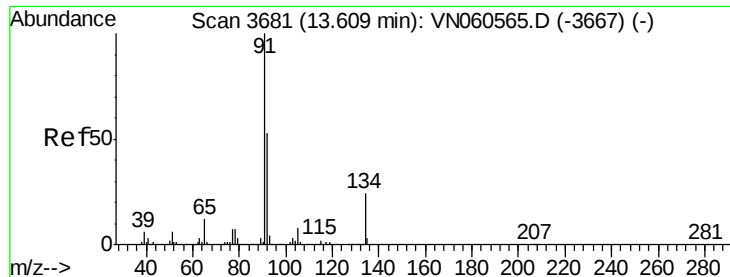


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

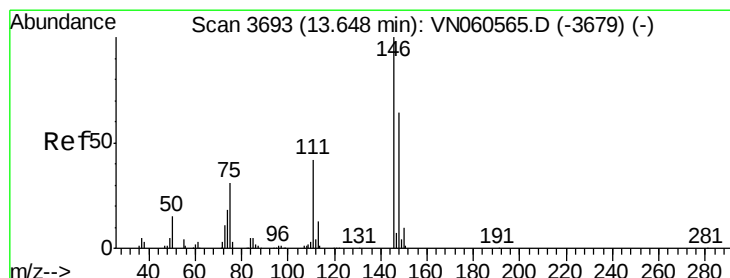
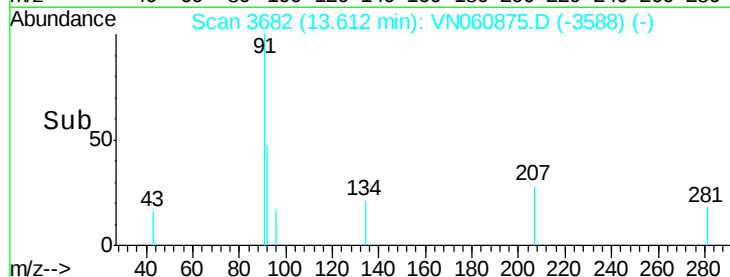
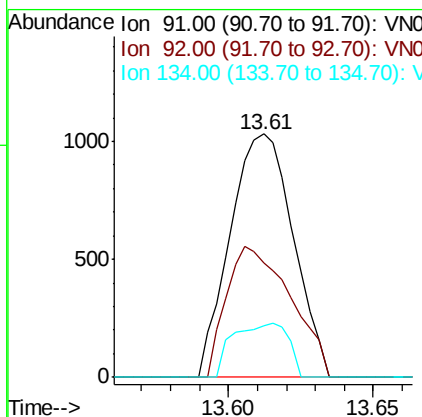
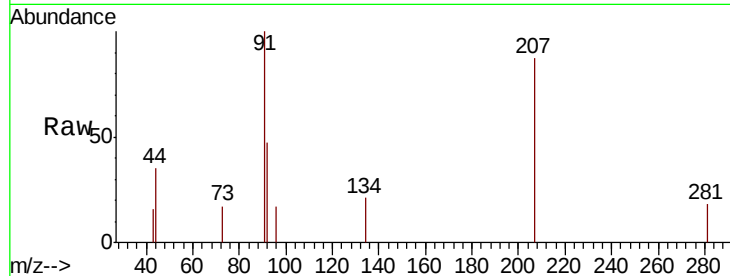




#89
n-Butylbenzene
Concen: 0.218 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

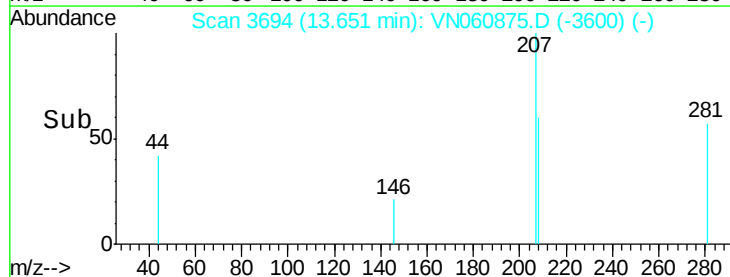
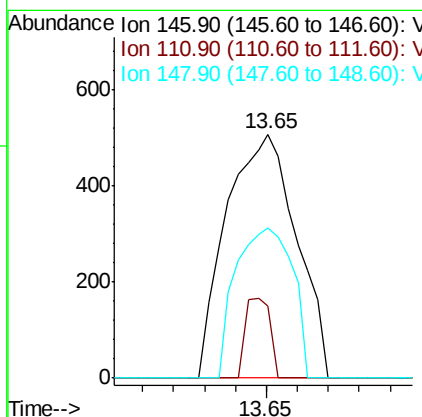
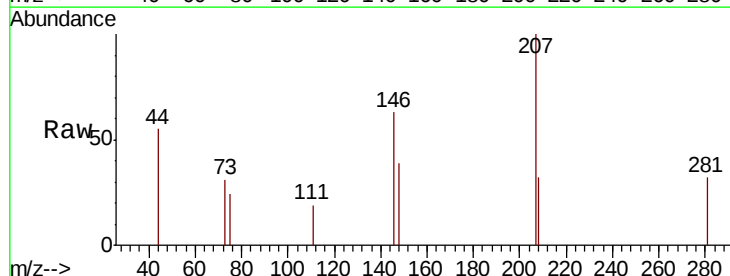
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

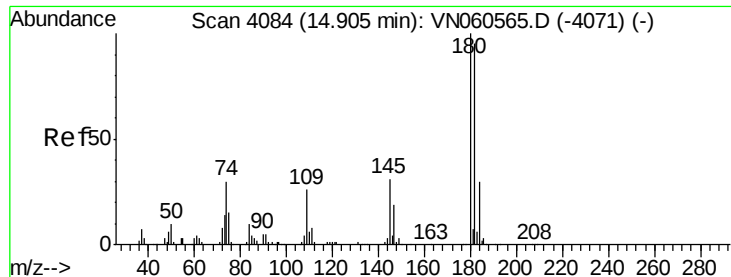
Tot Ion: 91 Resp: 1558
Ion Ratio Lower Upper
91 100
92 54.7 26.2 78.5
134 19.4 12.3 36.9



#91
1,2-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Tgt Ion: 146 Resp: 797
Ion Ratio Lower Upper
146 100
111 11.7 21.0 63.0#
148 49.8 31.9 95.5

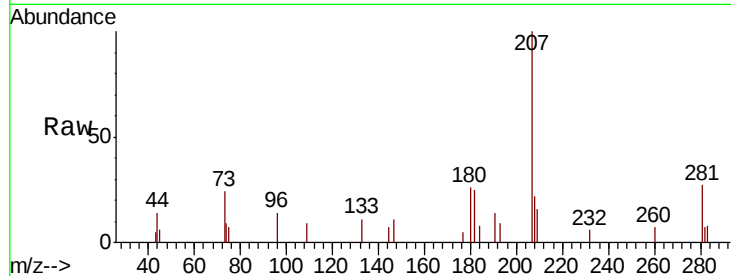




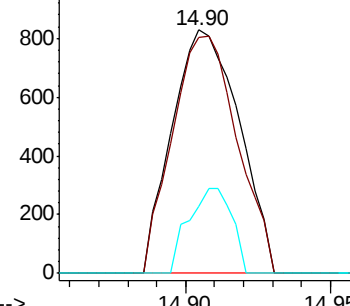
#93
 1,2,4-Trichlorobenzene
 Concen: 0.574 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

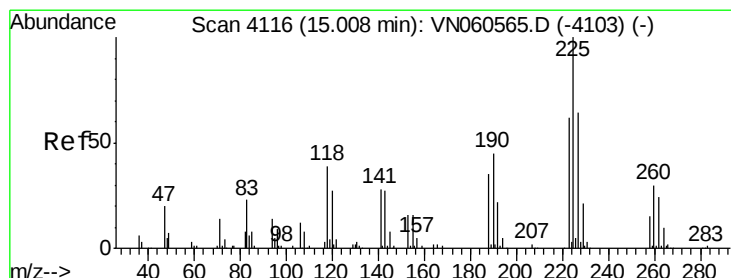
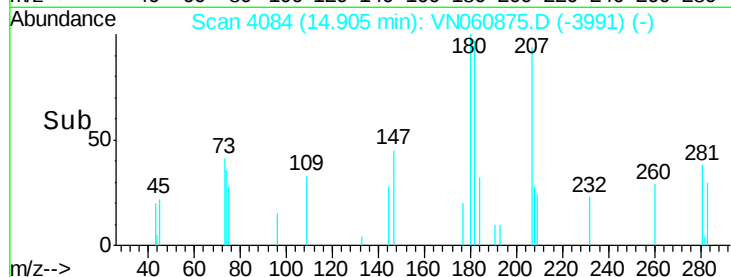
Tot Ion:180 Resp: 1332
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.8
 145 22.5 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

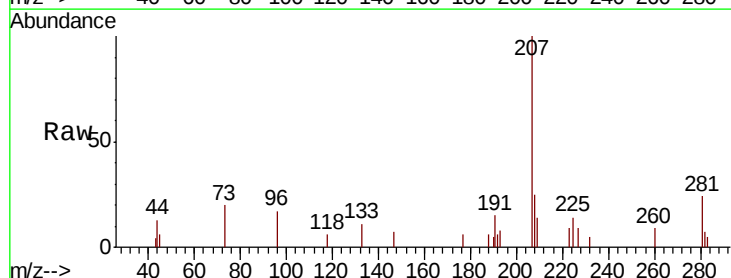


Time-->

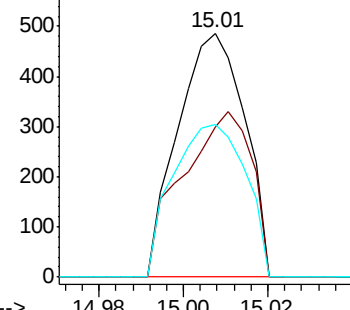


#94
 Hexachlorobutadiene
 Concen: 0.468 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060875.D
 Acq: 7 Apr 2020 14:33

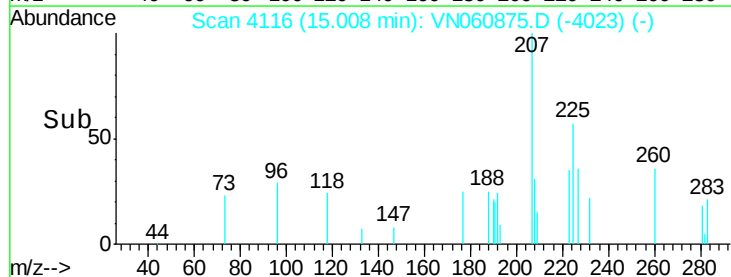
Tgt Ion:225 Resp: 533
 Ion Ratio Lower Upper
 225 100
 223 70.0 31.6 95.0
 227 68.3 32.3 96.8

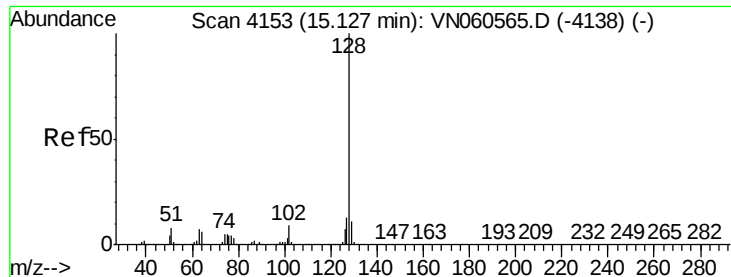


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

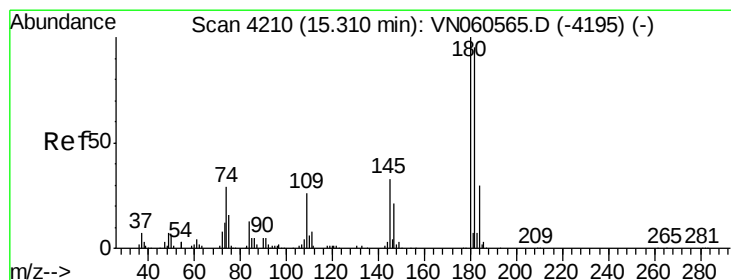
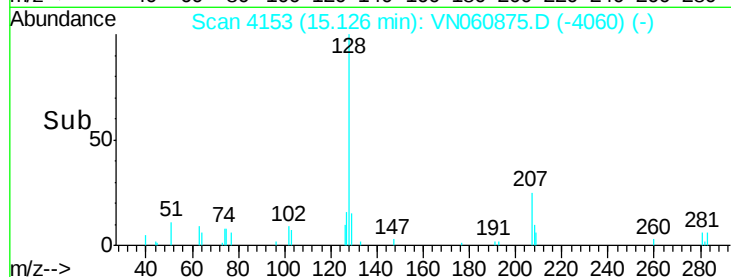
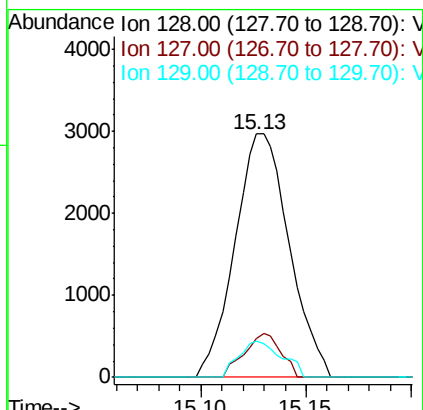
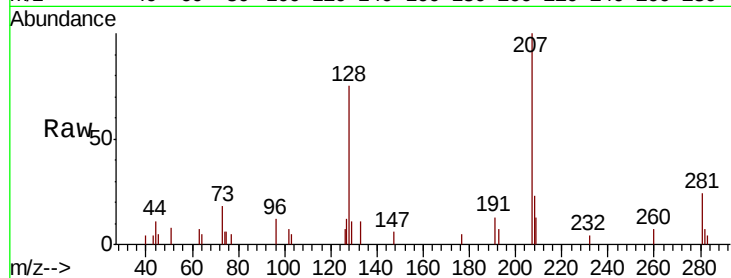




#95
Naphthalene
Concen: 0.759 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:128 Resp: 5304
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.2
129 11.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.751 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060875.D
Acq: 7 Apr 2020 14:33

Tgt Ion:180 Resp: 1717
Ion Ratio Lower Upper
180 100
182 84.9 47.5 142.6
145 31.1 16.3 48.8

