

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
 Data File : VN061716.D
 Acq On : 9 Jun 2020 10:58
 Operator : JC/MD
 Sample : VN0609WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBL01

Quant Time: Jun 10 02:58:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	422856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167048	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	149798	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
35) Dibromofluoromethane	7.54	113	130610	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
50) Toluene-d8	10.06	98	526807	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.38	95	173419	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	

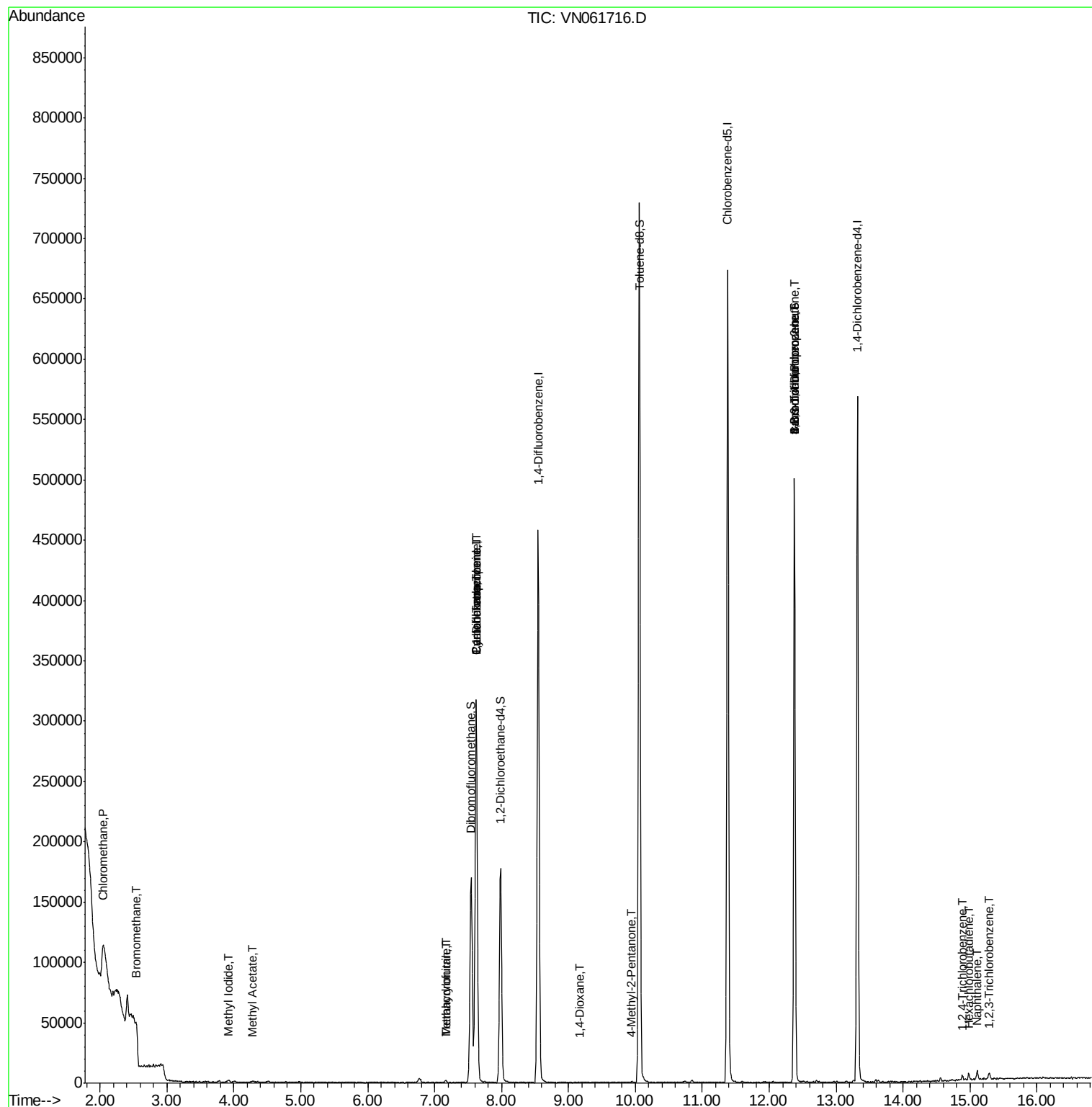
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2148	0.649	ug/l	94
5) Bromomethane	2.55	94	1973	0.758	ug/l #	75
10) Methyl Iodide	3.92	142	2513	0.697	ug/l #	83
16) Acetone	3.78	43	1289	Below Cal		100
18) Methyl Acetate	4.28	43	1717	0.587	ug/l #	46
20) Methylene Chloride	4.49	84	234	Below Cal	#	55
29) Tetrahydrofuran	7.17	42	1222	1.209	ug/l #	53
31) Cyclohexane	7.63	56	4956	1.088	ug/l #	43
36) 1,1-Dichloropropene	7.63	75	17869	4.528	ug/l #	48
38) Carbon Tetrachloride	7.62	117	25403	6.673	ug/l #	17
41) Methacrylonitrile	7.16	41	548	0.376	ug/l #	20
49) 1,4-Dioxane	9.17	88	104	2.609	ug/l #	29
51) 4-Methyl-2-Pentanone	9.95	43	788	0.245	ug/l #	60
71) Bromoform	12.38	173	1602	0.635	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	82605	27.194	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	82605	69.543	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.89	180	1548	0.503	ug/l	87
94) Hexachlorobutadiene	14.98	225	1211	0.922	ug/l	82
95) Naphthalene	15.11	128	6706	0.715	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	2212	0.730	ug/l	92

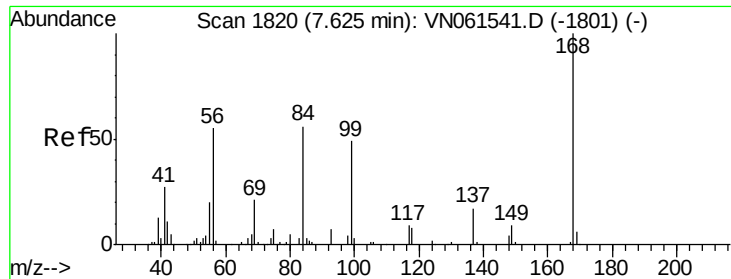
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060920\
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Sample : VN0609WBL01
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Quant Time: Jun 10 02:58:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

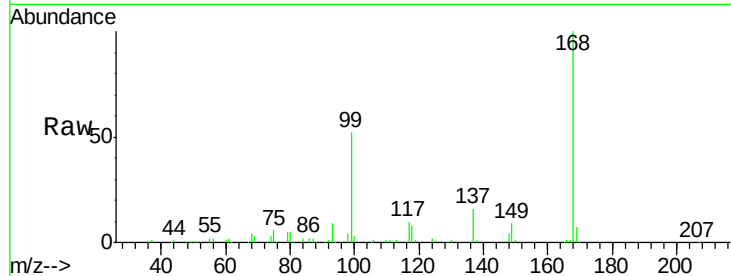
VN0609WBL01

Tot Ion:168 Resp: 271361

Ion Ratio Lower Upper

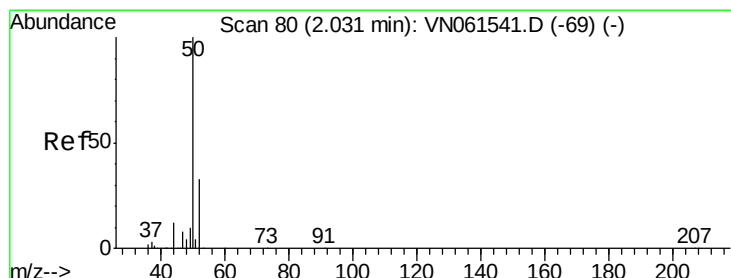
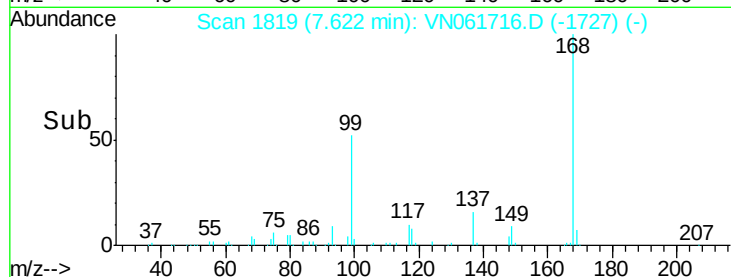
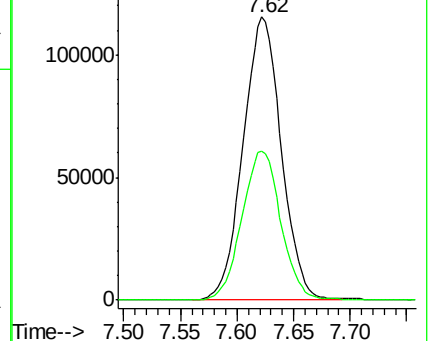
168 100

99 52.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.649 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061716.D

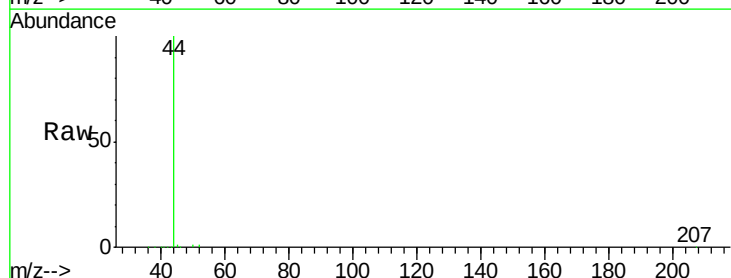
Acq: 9 Jun 2020 10:58

Tgt Ion: 50 Resp: 2148

Ion Ratio Lower Upper

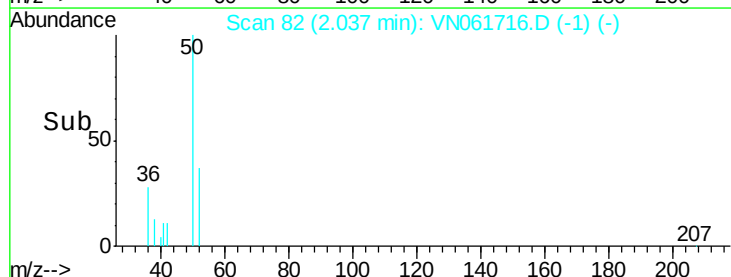
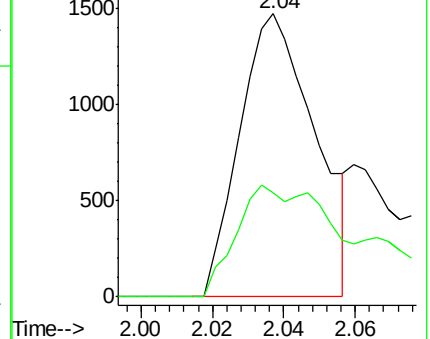
50 100

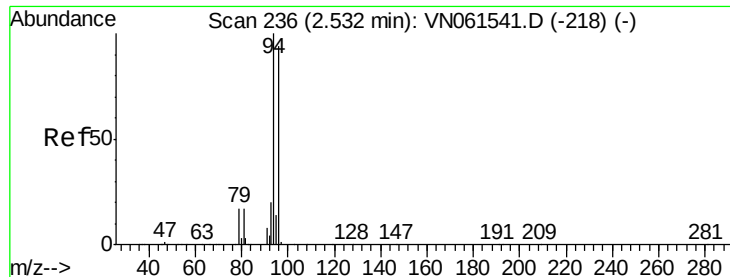
52 36.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: 0.758 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

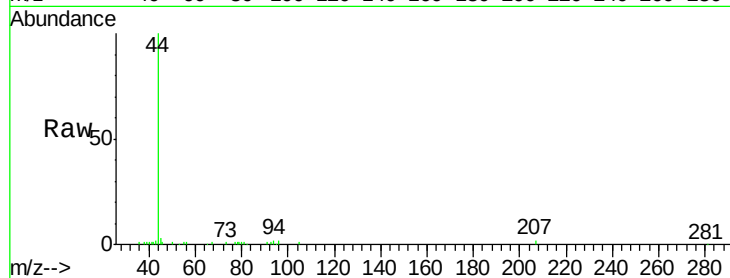
VN0609WBL01

Tot Ion: 94 Resp: 1973

Ion Ratio Lower Upper

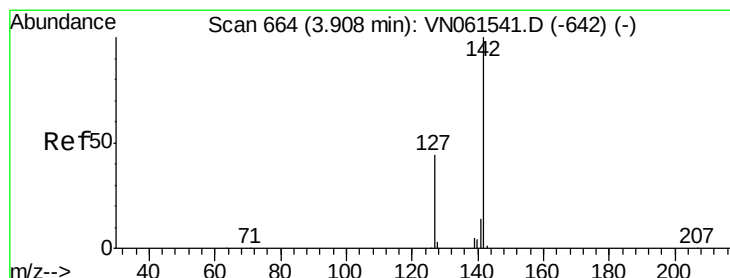
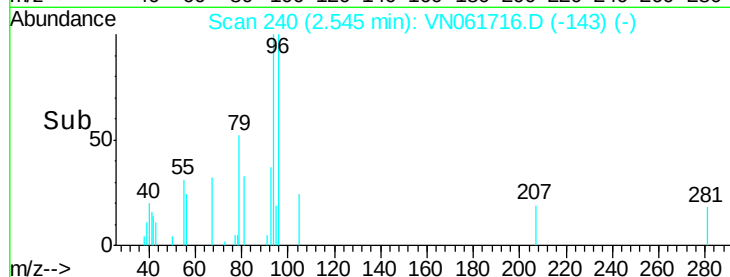
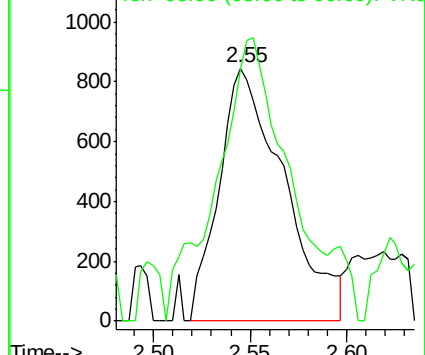
94 100

96 69.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.697 ug/l

RT: 3.92 min Scan# 667

Delta R.T. 0.01 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

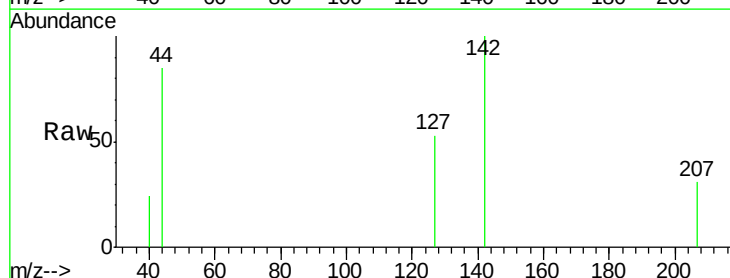
Tgt Ion: 142 Resp: 2513

Ion Ratio Lower Upper

142 100

127 37.3 35.5 53.3

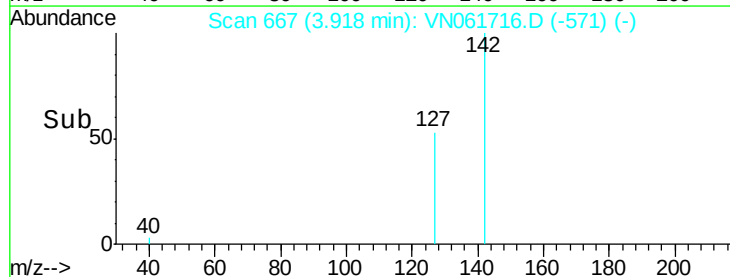
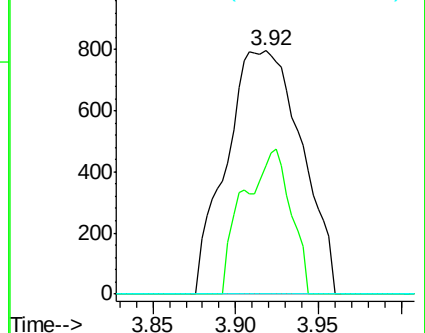
141 0.0 11.5 17.3#

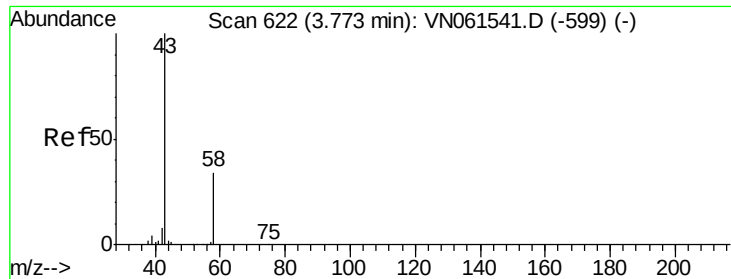


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

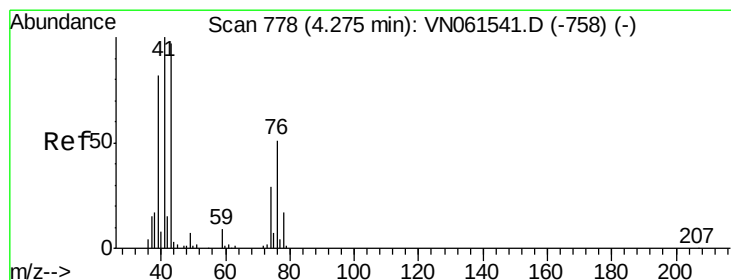
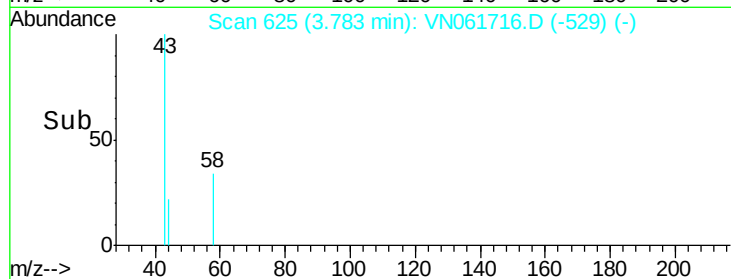
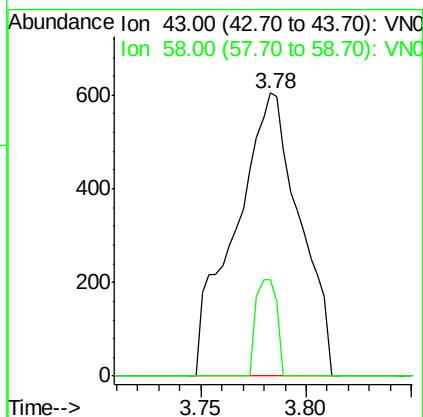
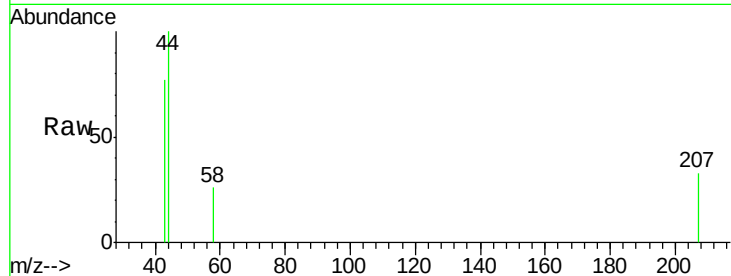




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

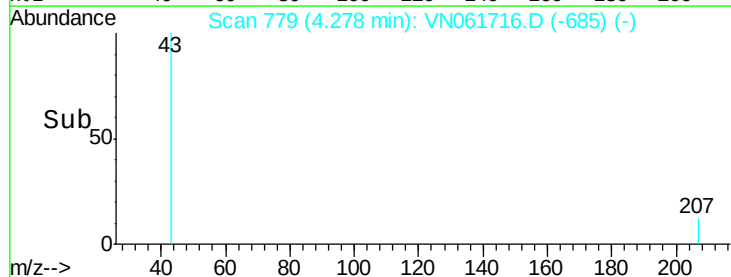
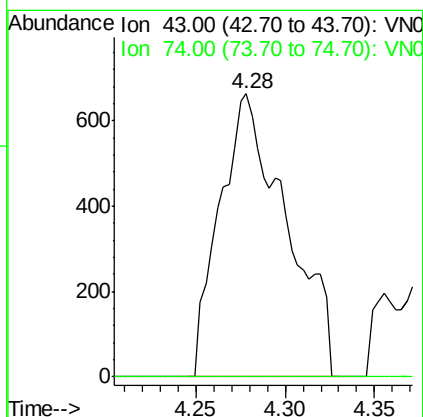
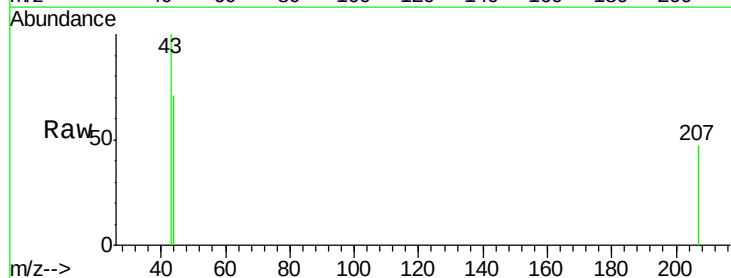
Instrument :
MSVOA_N
ClientSampled :
VN0609WBL01

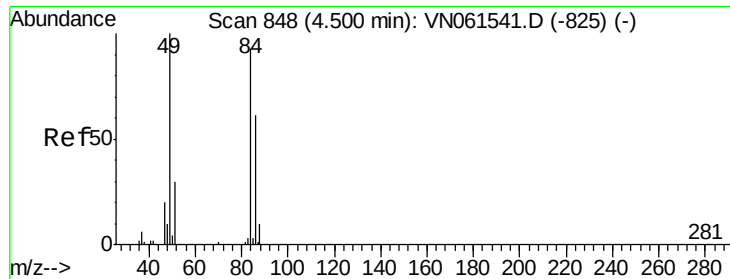
Tot Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
58 34.3 27.2 40.8



#18
Methyl Acetate
Concen: 0.587 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#

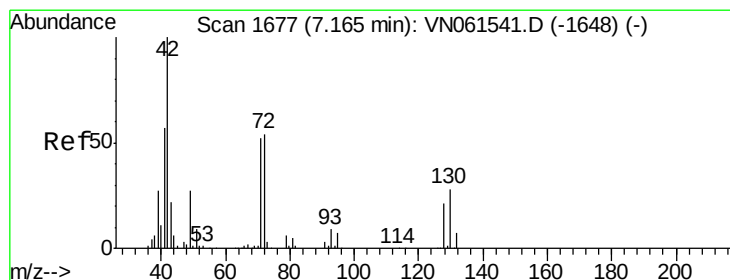
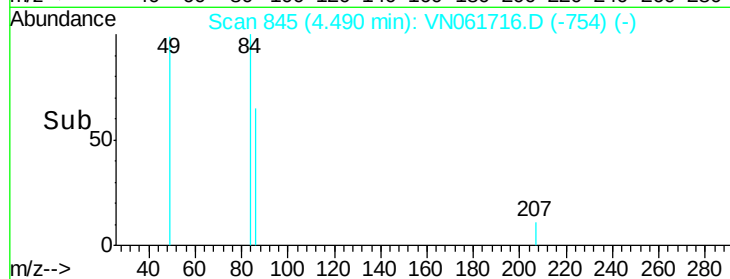
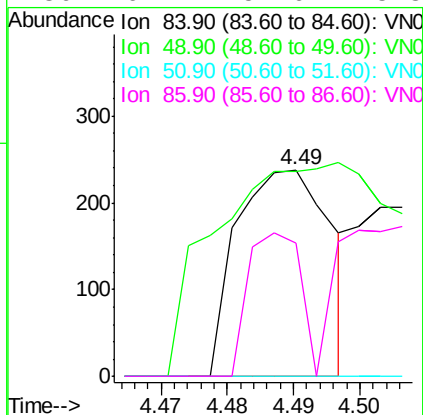
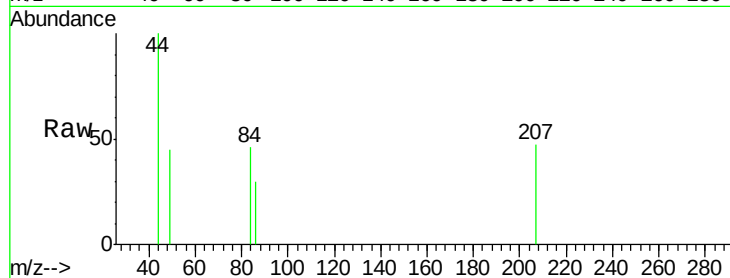




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

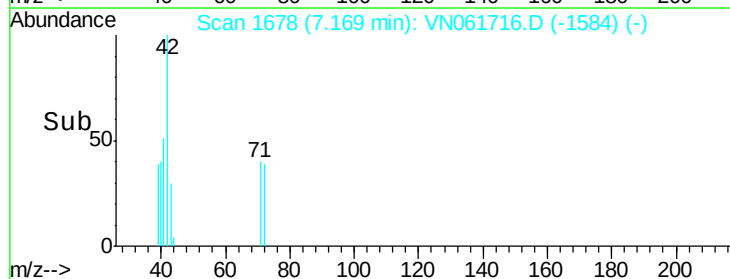
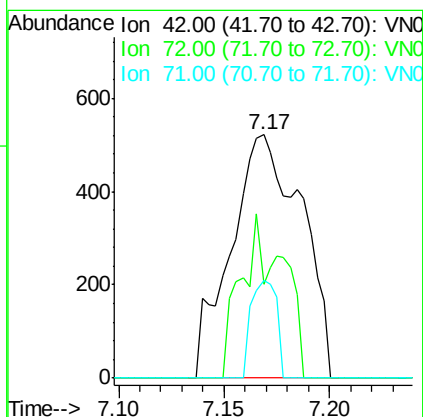
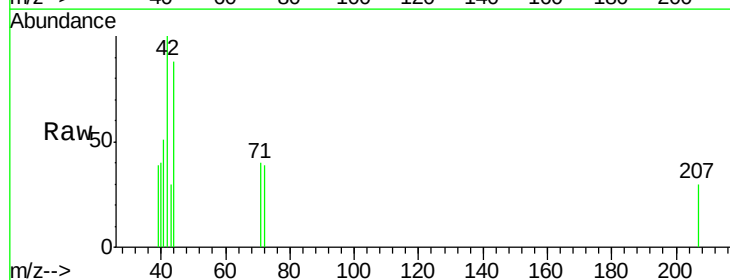
Instrument :
MSVOA_N
ClientSampled :
VN0609WBL01

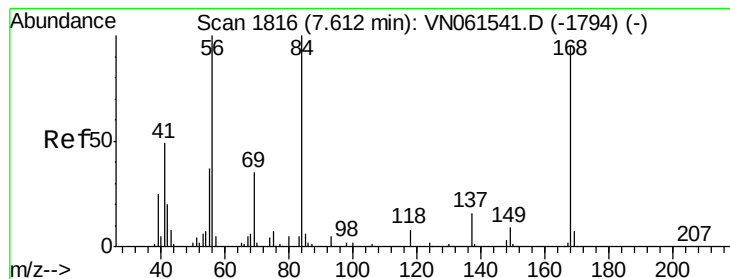
Tot Ion: 84 Resp: 234
Ion Ratio Lower Upper
84 100
49 35.7 85.8 128.8#
51 0.0 26.2 39.2#
86 64.7 52.6 78.8



#29
Tetrahydrofuran
Concen: 1.209 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

Tgt Ion: 42 Resp: 1222
Ion Ratio Lower Upper
42 100
72 24.9 43.6 65.4#
71 14.6 41.2 61.8#





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

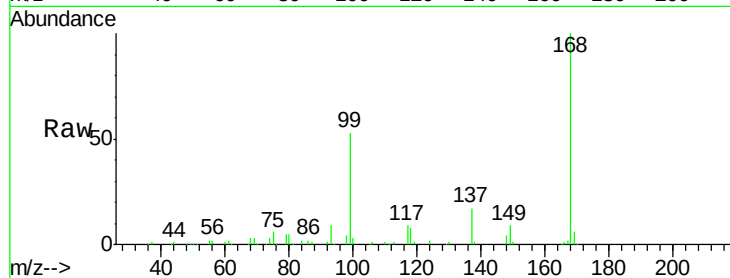
Tot Ion: 56 Resp: 4956

Ion Ratio Lower Upper

56 100

69 139.6 27.8 41.8#

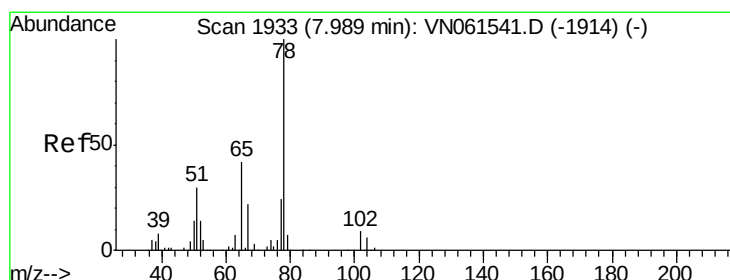
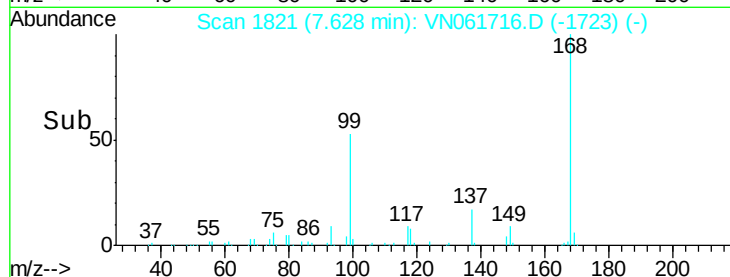
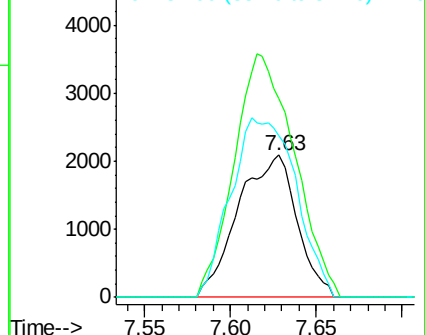
84 113.7 79.9 119.9



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: 46.333 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061716.D

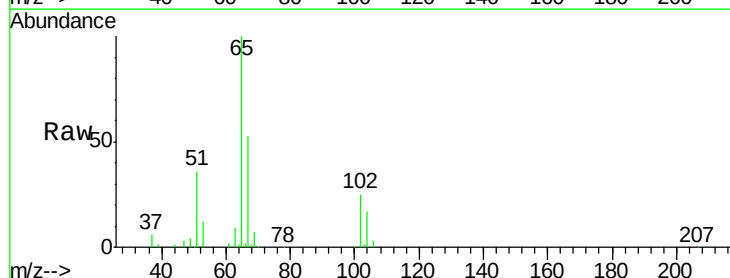
Acq: 9 Jun 2020 10:58

Tgt Ion: 65 Resp: 149798

Ion Ratio Lower Upper

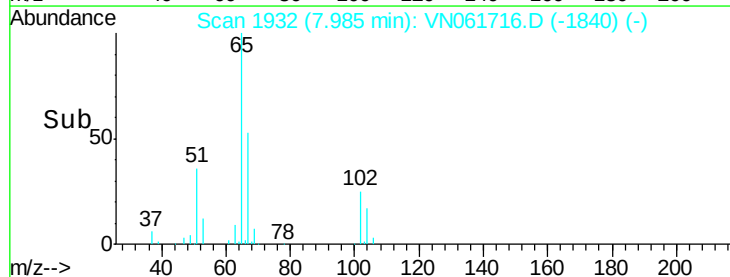
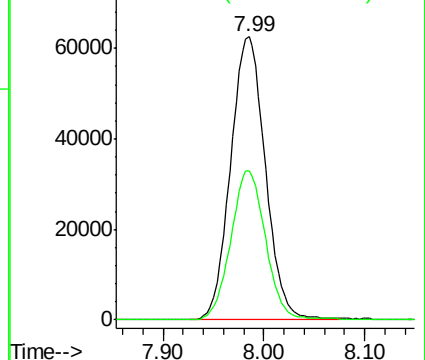
65 100

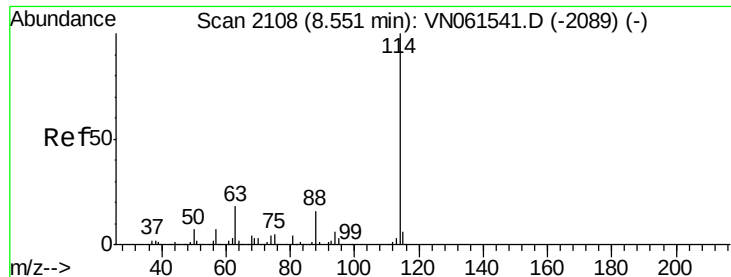
67 52.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

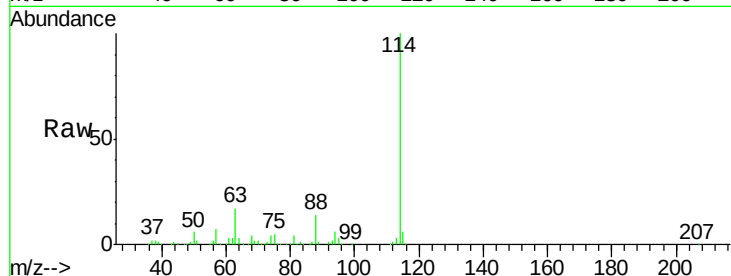




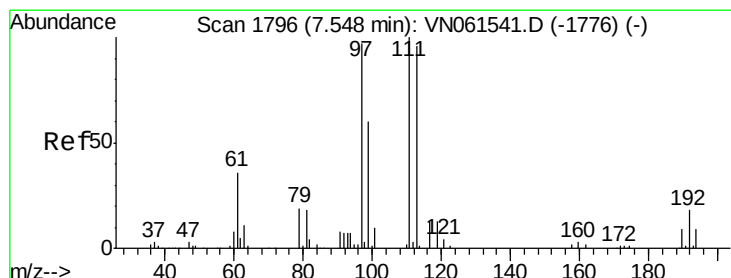
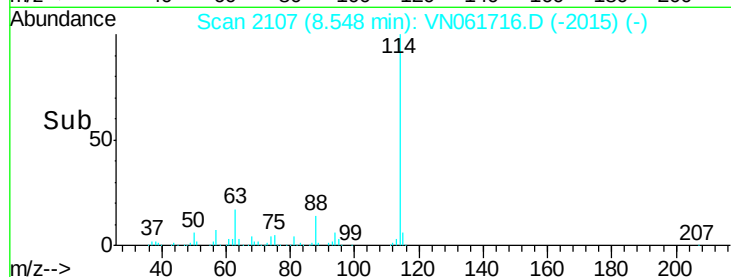
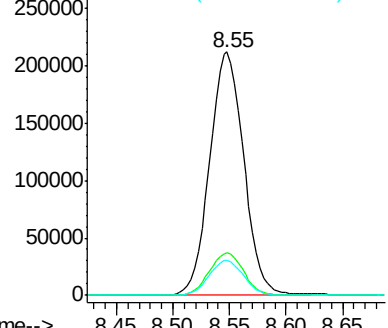
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061716.D
 Acq: 9 Jun 2020 10:58

Instrument :
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 VN0609WBL01

Tot Ion:114 Resp: 445829
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.8
 88 14.4 0.0 31.0

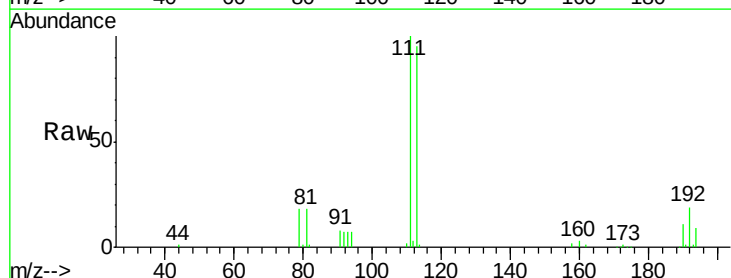


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

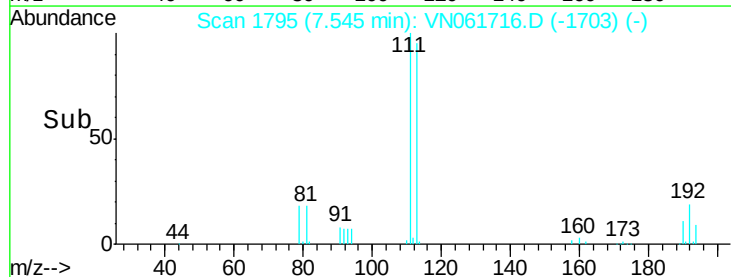
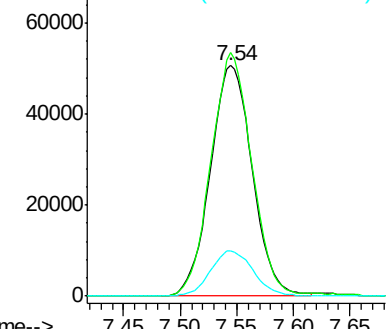


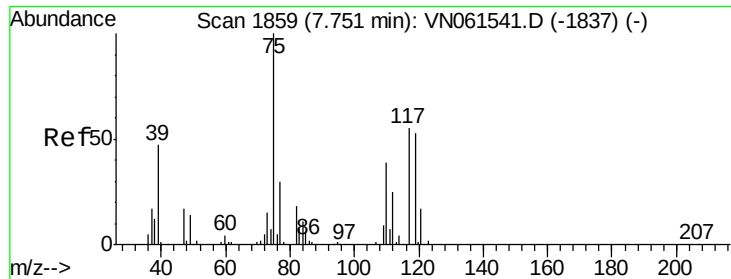
#35
 Dibromofluoromethane
 Concen: 57.751 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061716.D
 Acq: 9 Jun 2020 10:58

Tgt Ion:113 Resp: 130610
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.0
 192 19.8 15.4 23.2



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

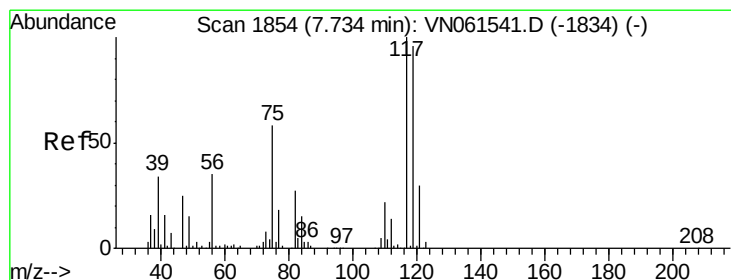
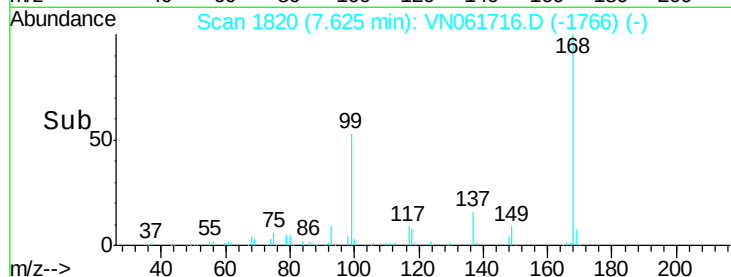
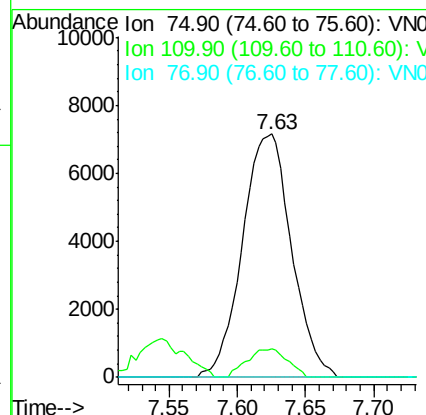
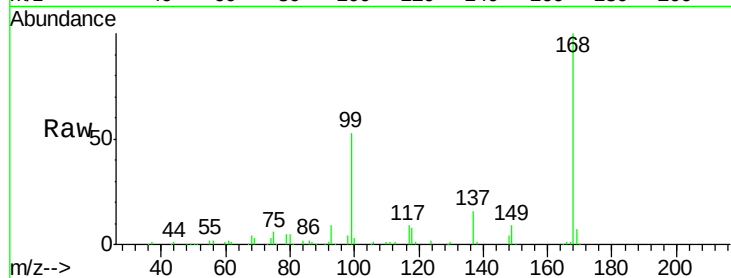




#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061716.D
 Acq: 9 Jun 2020 10:58

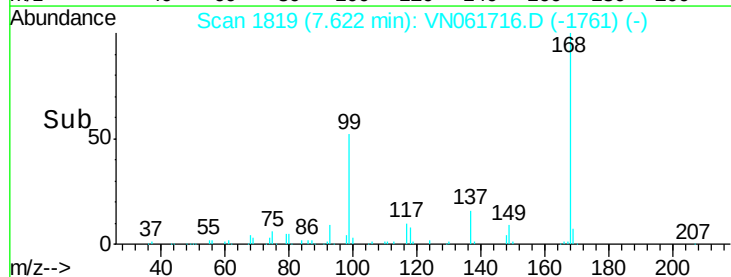
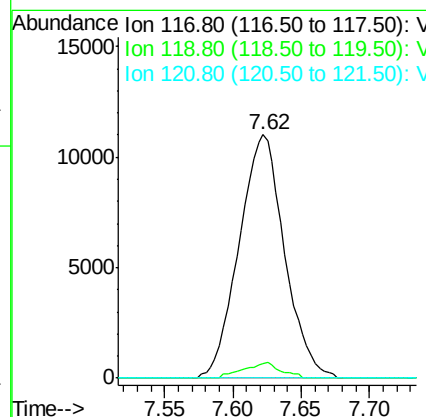
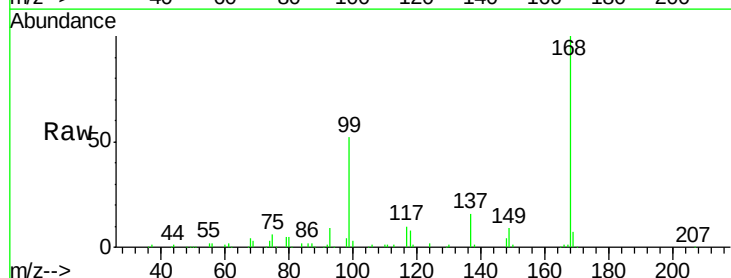
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBL01

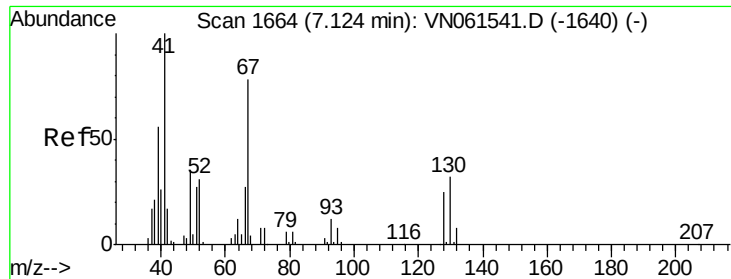
Tot Ion	75	Resp	17869
Ion Ratio	Lower	Upper	
75	100		
110	9.6	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.673 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061716.D
 Acq: 9 Jun 2020 10:58

Tgt Ion	117	Resp	25403
Ion Ratio	Lower	Upper	
117	100		
119	6.1	76.5	114.7#
121	0.0	24.1	36.1#

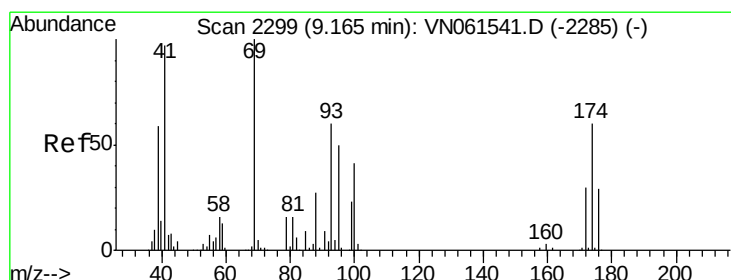
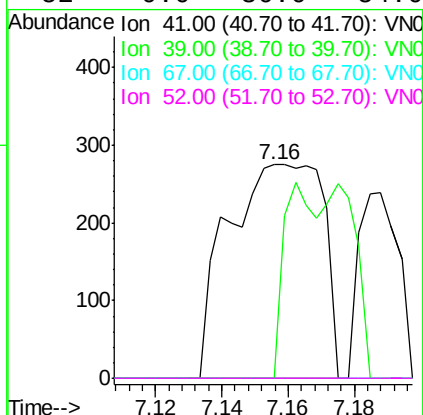
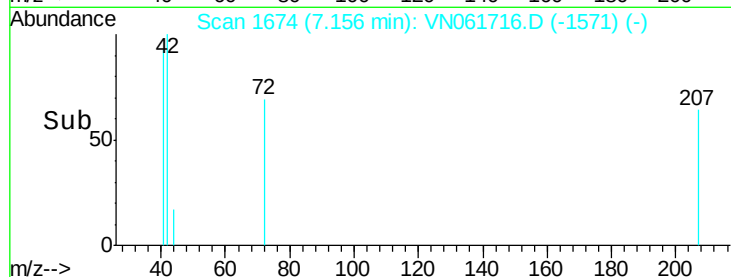
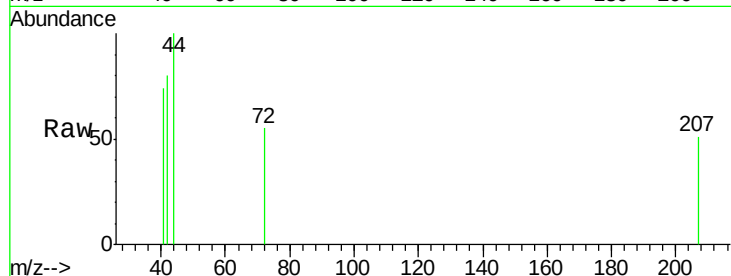




#41
Methacrylonitrile
Concen: 0.376 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.03 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

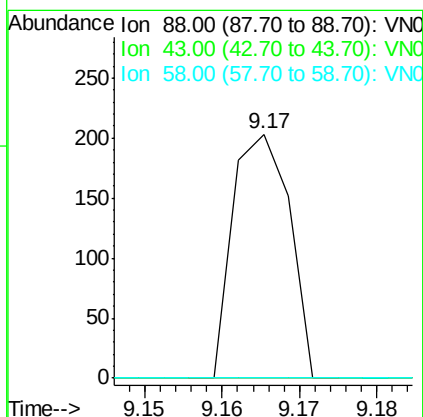
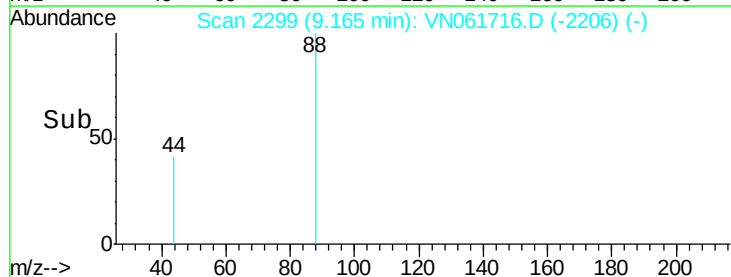
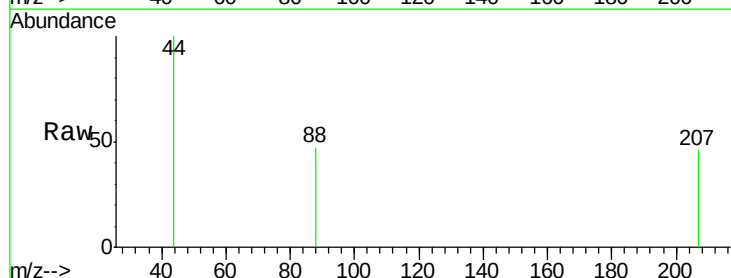
Instrument :
MSVOA_N
ClientSampled :
VN0609WBL01

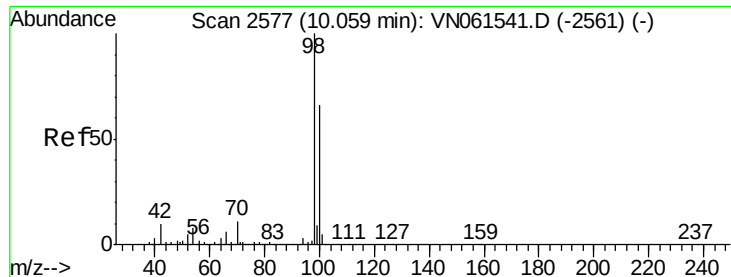
Tot Ion: 41 Resp: 548
Ion Ratio Lower Upper
41 100
39 31.4 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#49
1,4-Dioxane
Concen: 2.609 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 0.0 23.1 34.7#
58 0.0 48.3 72.5#





#50

Toluene-d8

Concen: 50.265 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

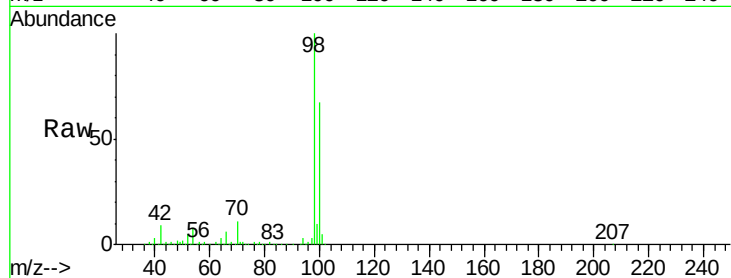
VN0609WBL01

Tot Ion: 98 Resp: 526807

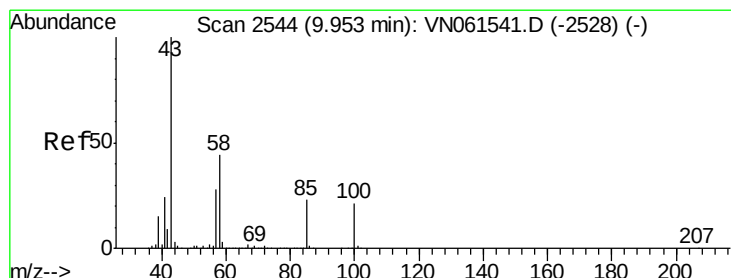
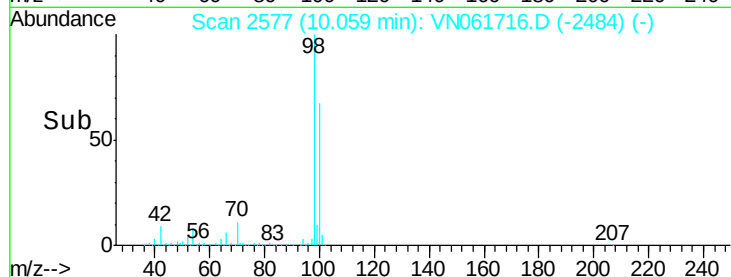
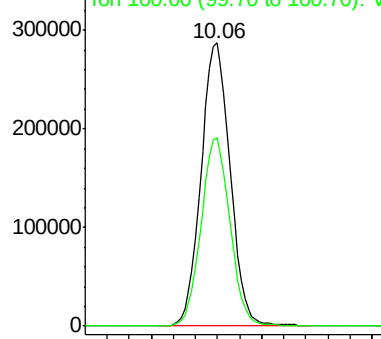
Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.245 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061716.D

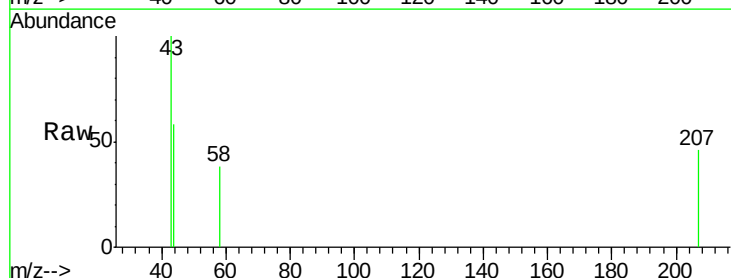
Acq: 9 Jun 2020 10:58

Tgt Ion: 43 Resp: 788

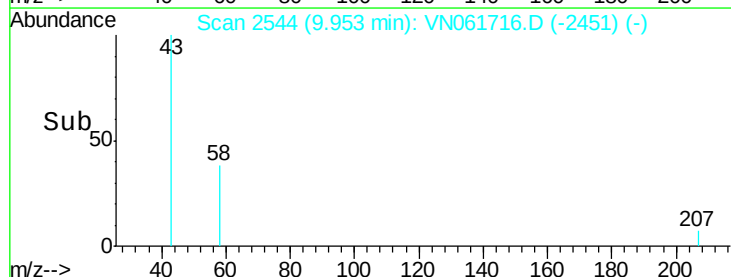
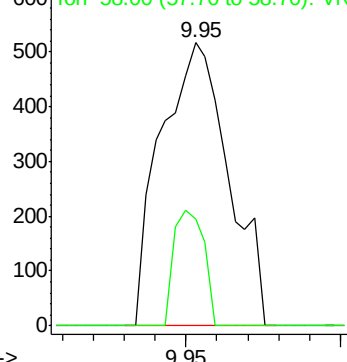
Ion Ratio Lower Upper

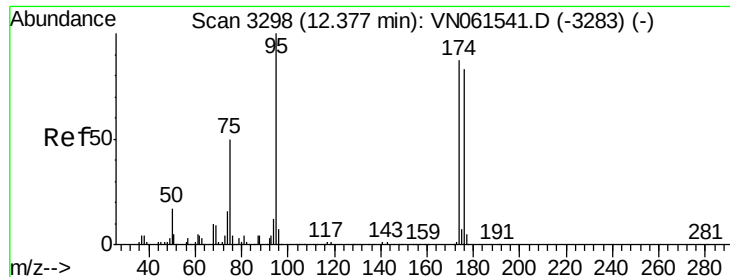
43 100

58 18.0 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)





#62

4-Bromofluorobenzene

Concen: 45.354 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

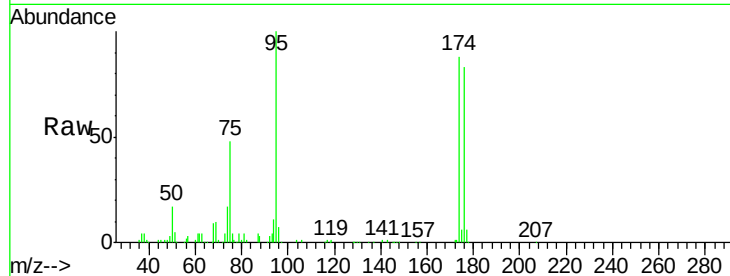
Tot Ion: 95 Resp: 173419

Ion Ratio Lower Upper

95 100

174 87.0 0.0 172.8

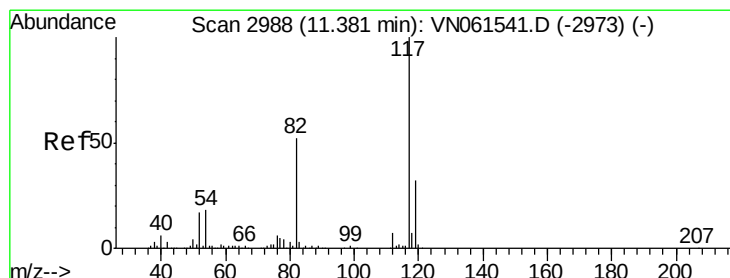
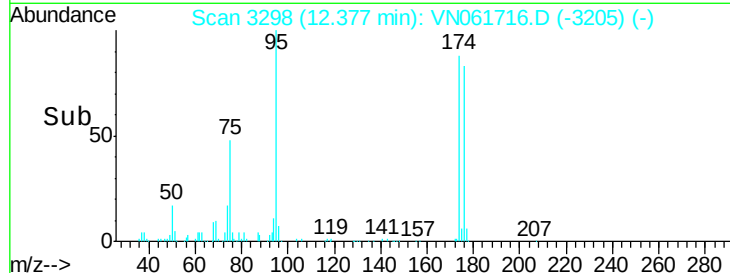
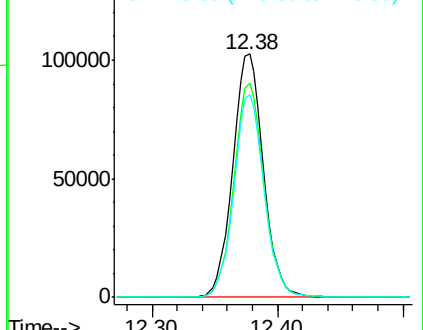
176 82.8 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061716.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061716.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061716.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2987

Delta R.T. -0.00 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

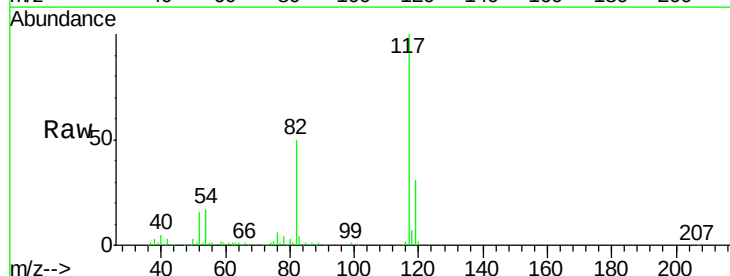
Tgt Ion: 117 Resp: 422856

Ion Ratio Lower Upper

117 100

82 50.4 41.5 62.3

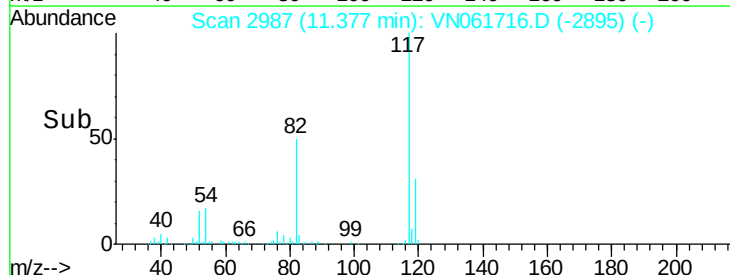
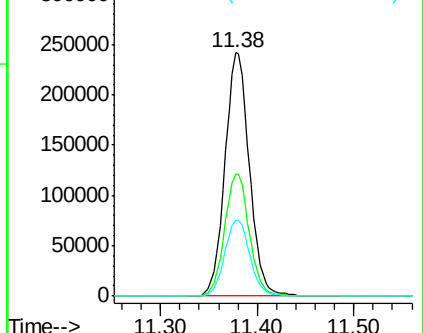
119 31.1 25.6 38.4

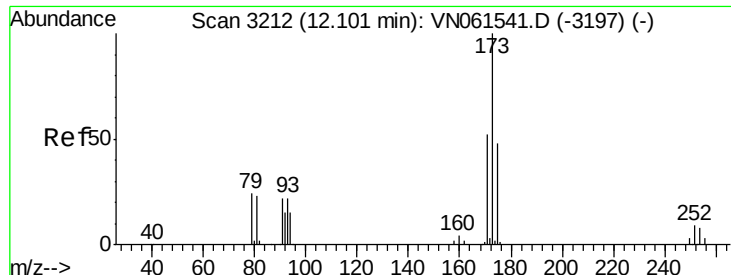


Abundance Ion 116.90 (116.60 to 117.60): VN061716.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061716.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061716.D (-2895) (-)





#71

Bromoform

Concen: 0.635 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

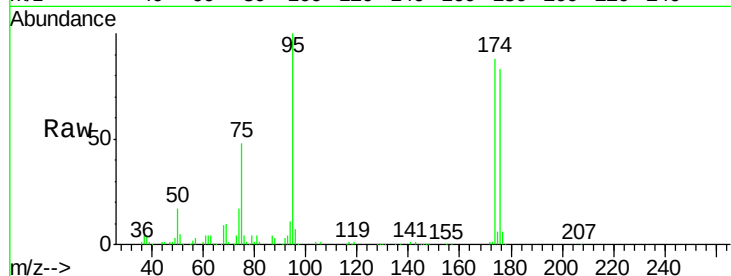
Tot Ion:173 Resp: 1602

Ion Ratio Lower Upper

173 100

175 576.7 24.4 73.2#

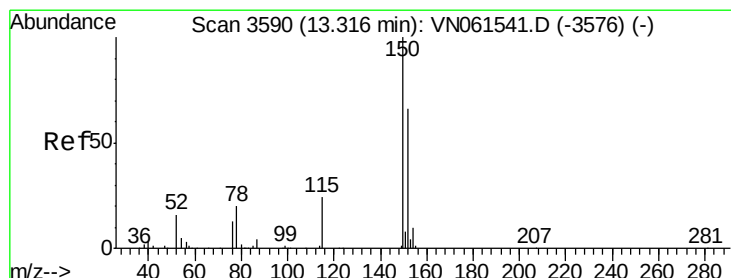
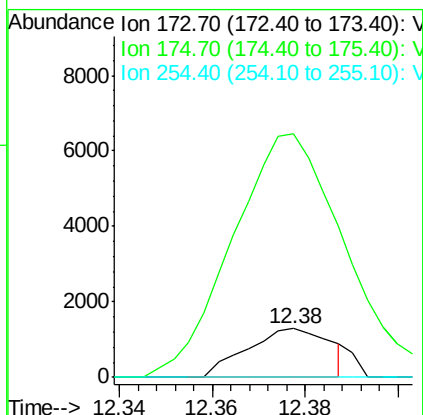
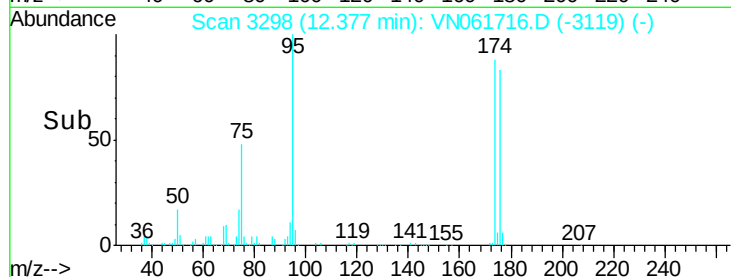
254 0.0 0.0 0.0



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: VN061716.D

Acq: 9 Jun 2020 10:58

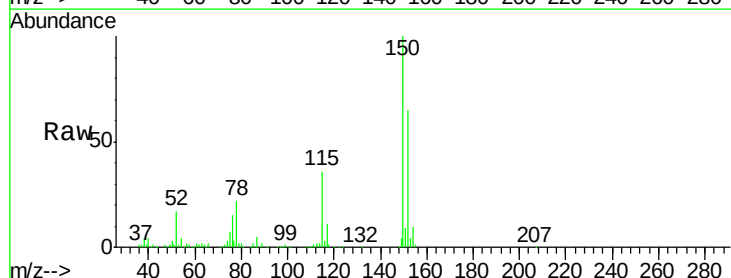
Tgt Ion:152 Resp: 167048

Ion Ratio Lower Upper

152 100

115 55.3 28.0 84.0

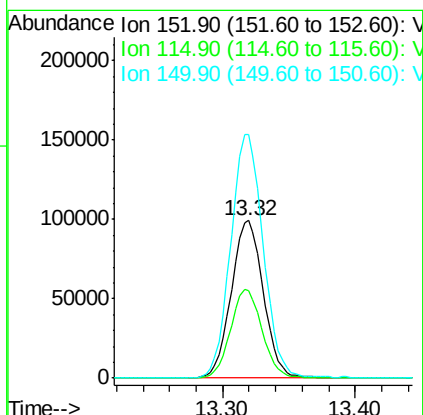
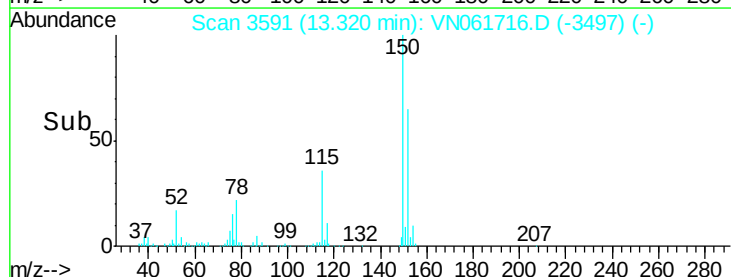
150 155.8 0.0 344.0

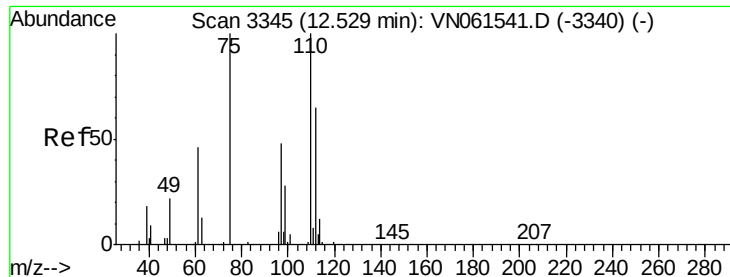


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.194 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

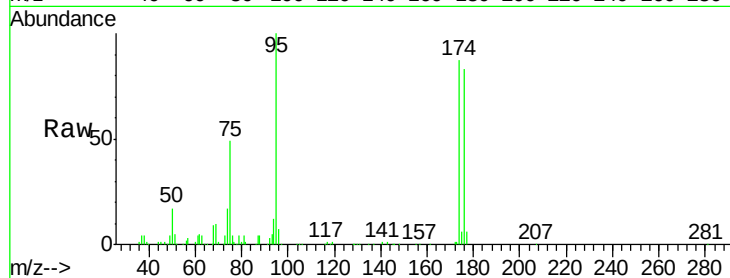
VN0609WBL01

Tot Ion: 75 Resp: 82605

Ion Ratio Lower Upper

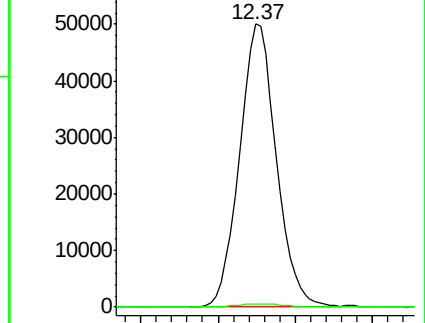
75 100

77 1.3 0.0 0.0#

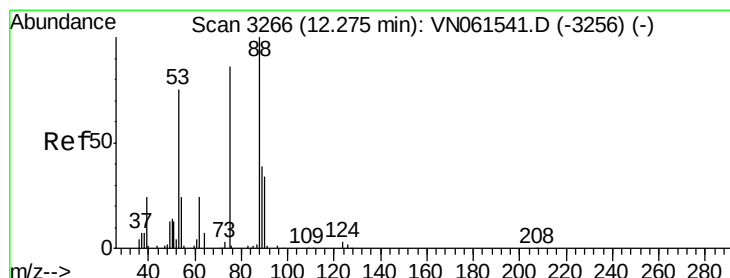
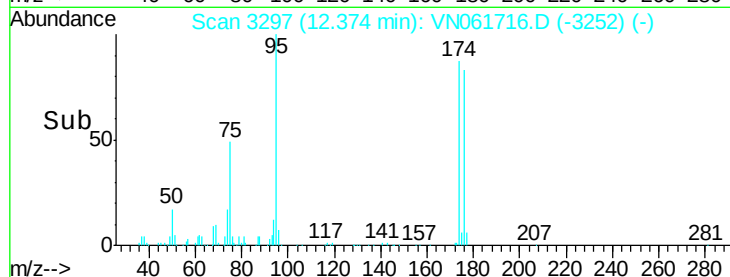


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.543 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061716.D

Acq: 9 Jun 2020 10:58

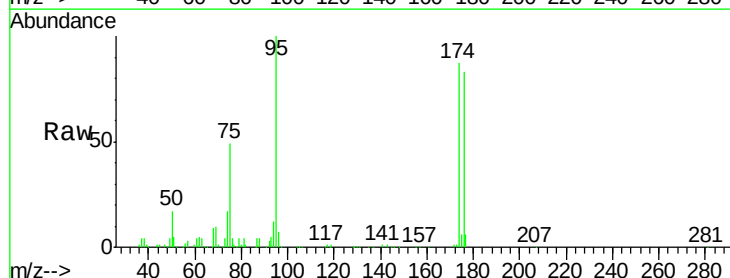
Tgt Ion: 75 Resp: 82605

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

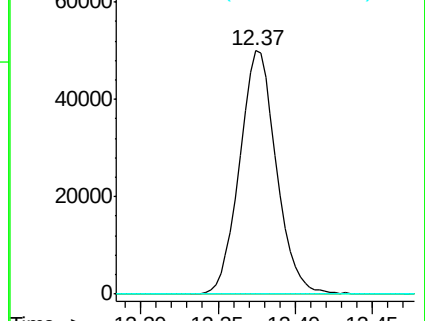
89 0.0 37.1 55.7#



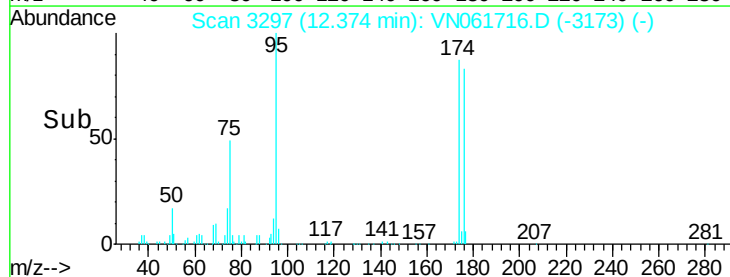
Abundance Ion 74.90 (74.60 to 75.60): VN0

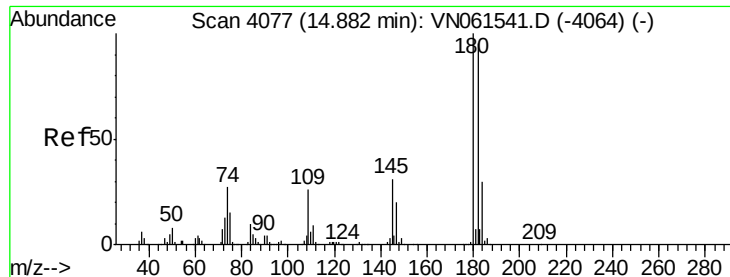
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->

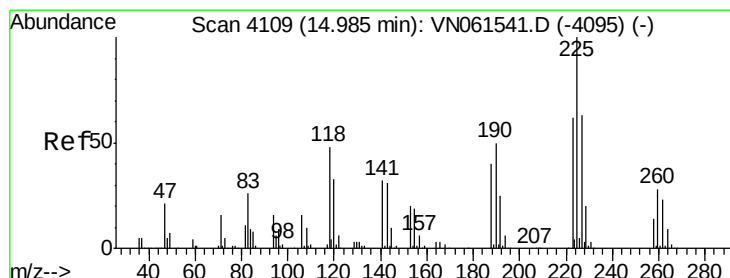
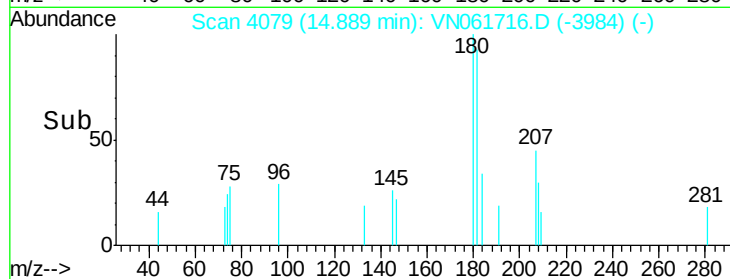
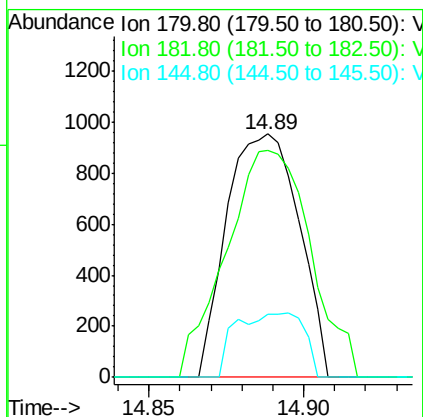
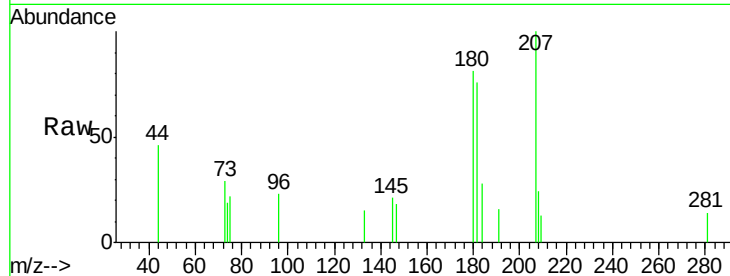




#93
 1,2,4-Trichlorobenzene
 Concen: 0.503 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN061716.D
 Acq: 9 Jun 2020 10:58

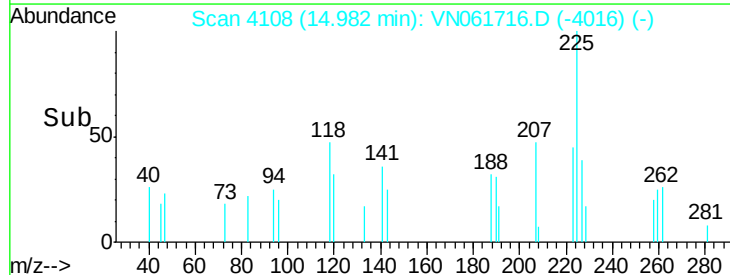
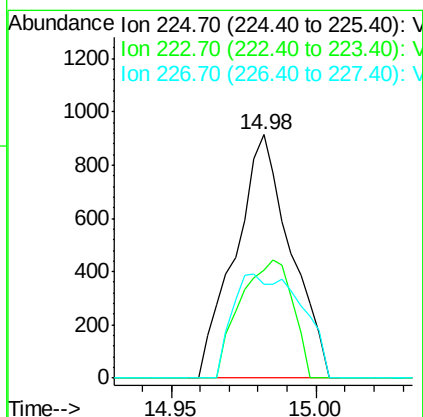
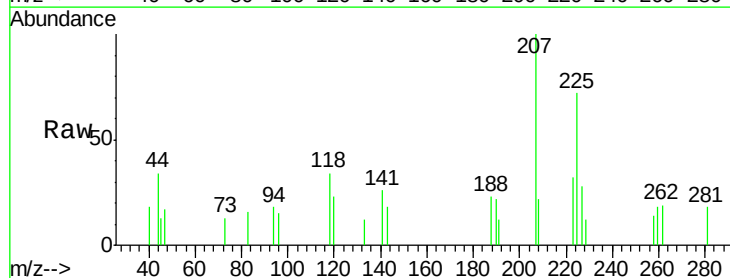
Instrument :
 MSVOA_N
 ClientSampled :
 VN0609WBL01

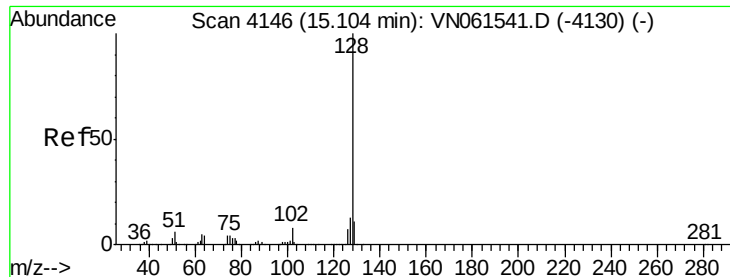
Tot Ion:180 Resp: 1548
 Ion Ratio Lower Upper
 180 100
 182 108.4 47.8 143.3
 145 24.6 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 0.922 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061716.D
 Acq: 9 Jun 2020 10:58

Tgt Ion:225 Resp: 1211
 Ion Ratio Lower Upper
 225 100
 223 45.9 31.9 95.5
 227 53.2 31.9 95.9

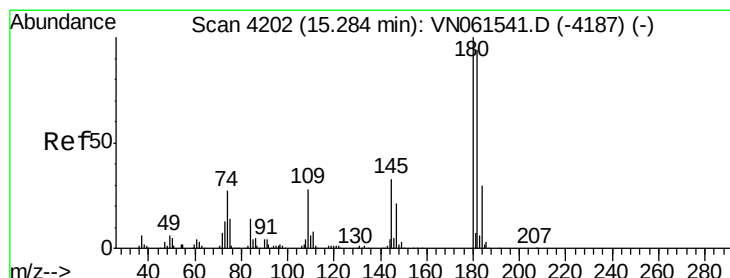
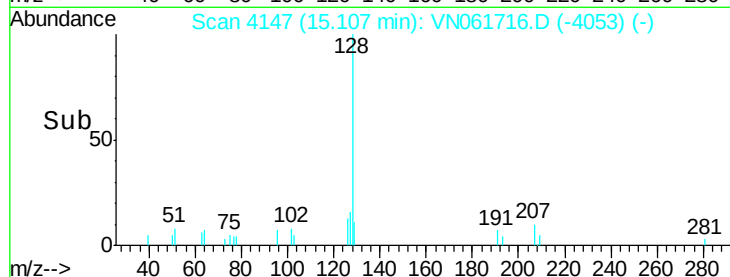
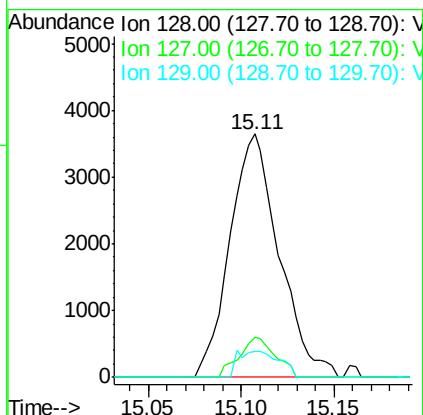
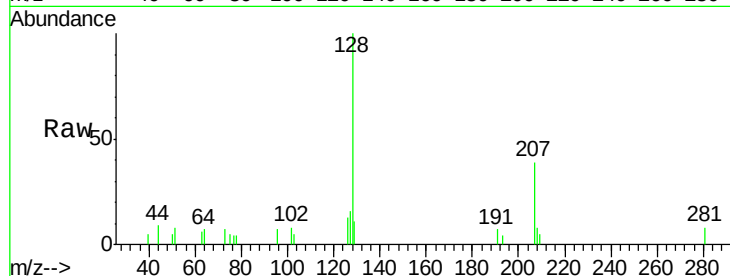




#95
Naphthalene
Concen: 0.715 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tot Ion:128 Resp: 6706
Ion Ratio Lower Upper
128 100
127 12.1 10.0 15.0
129 9.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 0.730 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061716.D
Acq: 9 Jun 2020 10:58

Tgt Ion:180 Resp: 2212
Ion Ratio Lower Upper
180 100
182 86.8 47.1 141.3
145 27.9 16.3 48.9

