

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060911.D
 Acq On : 13 Apr 2020 20:15
 Operator : JC/MD
 Sample : VN0413WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBL01

Quant Time: Apr 14 07:23:08 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	132518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	222650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	203364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	88296	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	85585	47.05	ug/l	0.00
Spiked Amount						
			Recovery	=	94.10%	
35) Dibromofluoromethane	7.56	113	65214	48.44	ug/l	0.00
Spiked Amount						
			Recovery	=	96.88%	
50) Toluene-d8	10.08	98	271370	49.35	ug/l	0.00
Spiked Amount						
			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	100396	49.82	ug/l	0.00
Spiked Amount						
			Recovery	=	99.64%	

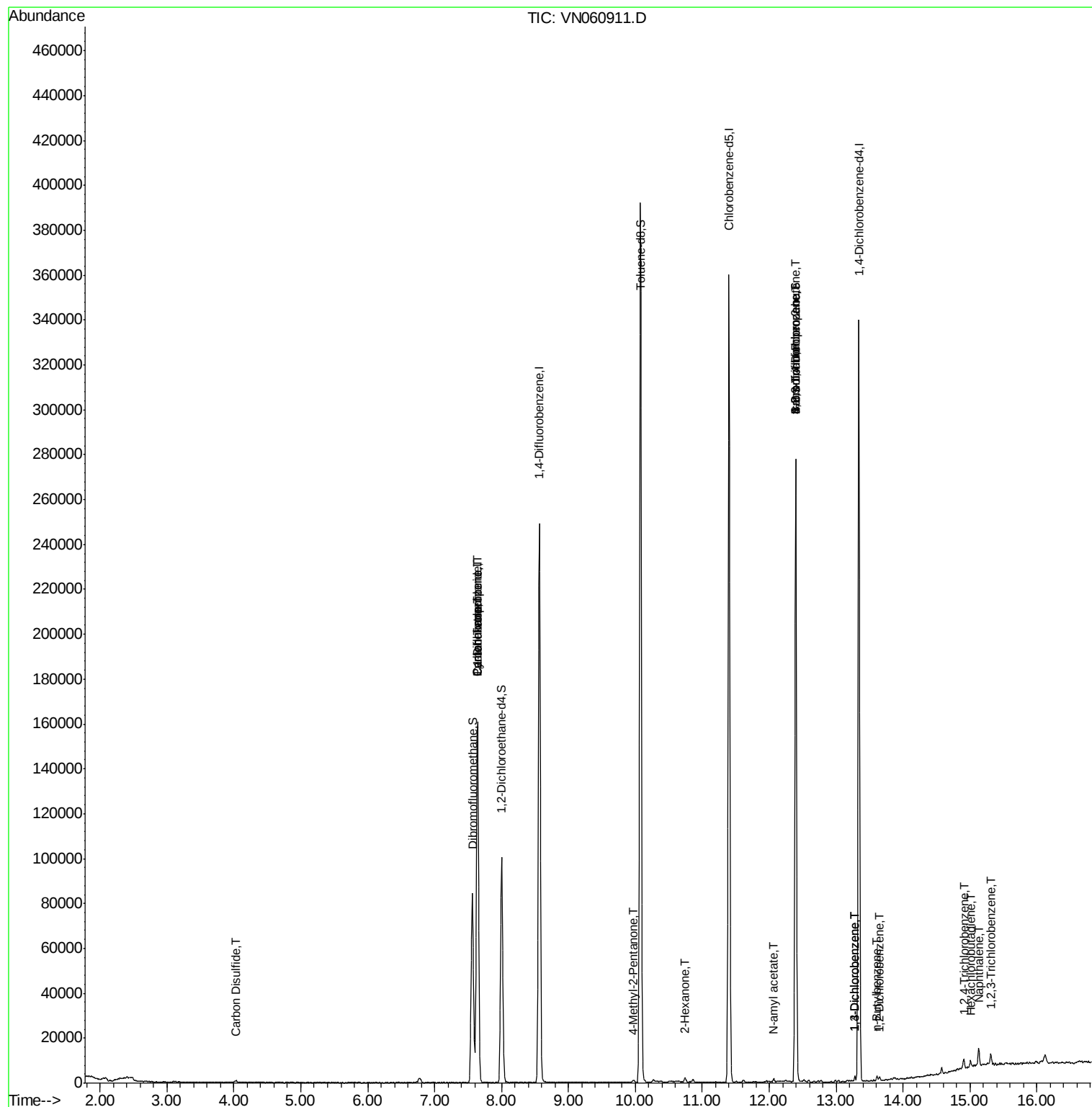
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.03	76	1337	0.306	ug/l #	75
31) Cyclohexane	7.64	56	2859	0.976	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	10299	4.777	ug/l #	49
38) Carbon Tetrachloride	7.64	117	12714	6.580	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	965	0.441	ug/l #	67
59) 2-Hexanone	10.74	43	1428	0.907	ug/l	99
71) Bromoform	12.40	173	623	2.177	ug/l #	1
74) N-amyl acetate	12.06	43	942	0.308	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	50541	26.527	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	50541	68.130	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	898	0.319	ug/l	86
88) 1,4-Dichlorobenzene	13.28	146	898	0.317	ug/l	87
89) n-Butylbenzene	13.61	91	1741	0.342	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	835	0.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	93	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.91	180	1680	1.016	ug/l	94
94) Hexachlorobutadiene	15.01	225	669	0.825	ug/l	93
95) Naphthalene	15.13	128	7283	1.464	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2031	1.247	ug/l	97

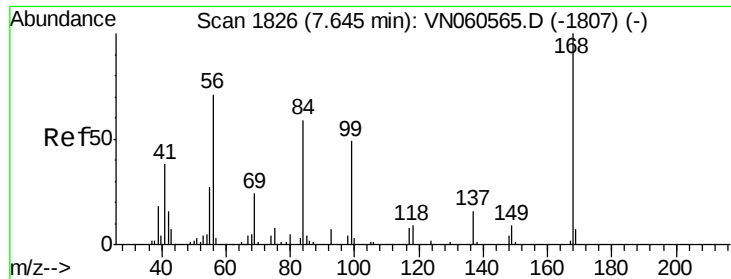
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1824

Delta R.T. -0.01 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

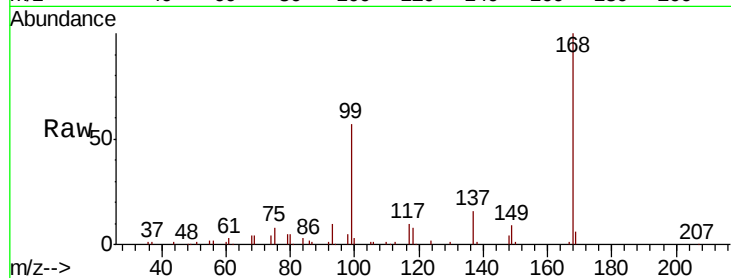
VN0413WBL01

Tot Ion:168 Resp: 132518

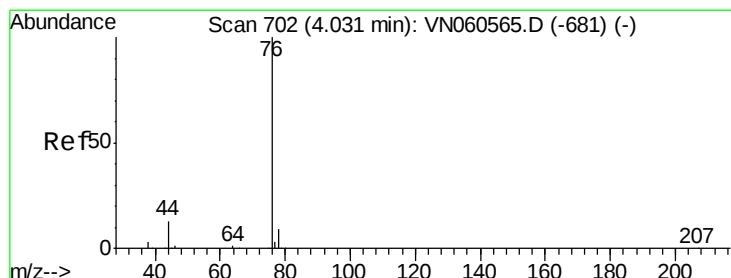
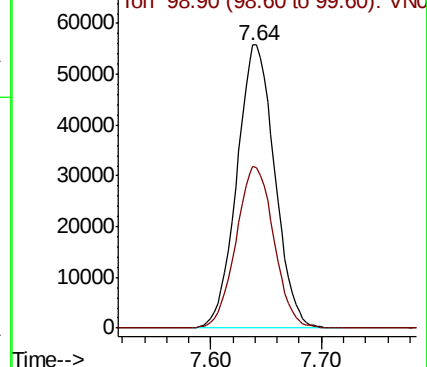
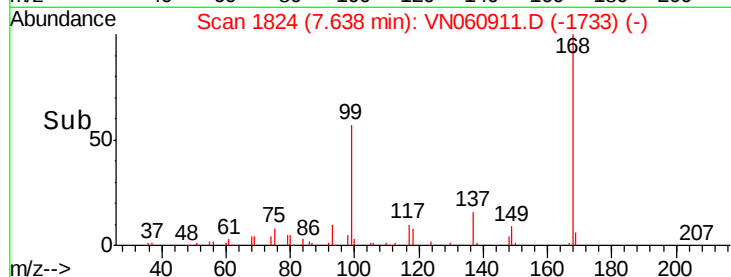
Ion Ratio Lower Upper

168 100

99 57.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060911.D (-1733) (-)



#17

Carbon Disulfide

Concen: 0.306 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060911.D

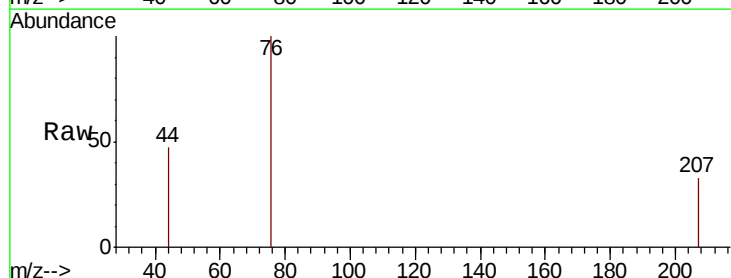
Acq: 13 Apr 2020 20:15

Tgt Ion: 76 Resp: 1337

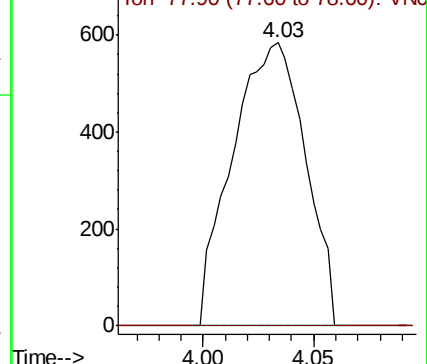
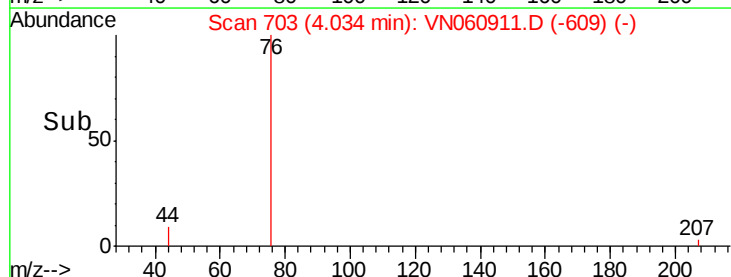
Ion Ratio Lower Upper

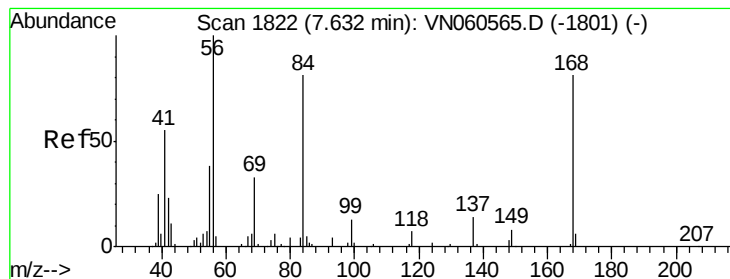
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN060911.D (-609) (-)





#31

Cyclohexane

Concen: 0.976 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Instrument :

MSVOA_N

ClientSampled :

VN0413WBL01

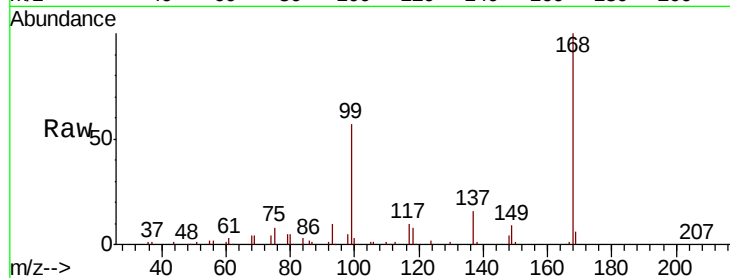
Tot Ion: 56 Resp: 2859

Ion Ratio Lower Upper

56 100

69 162.7 26.6 40.0#

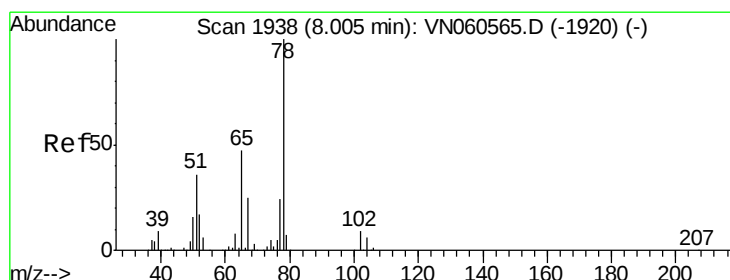
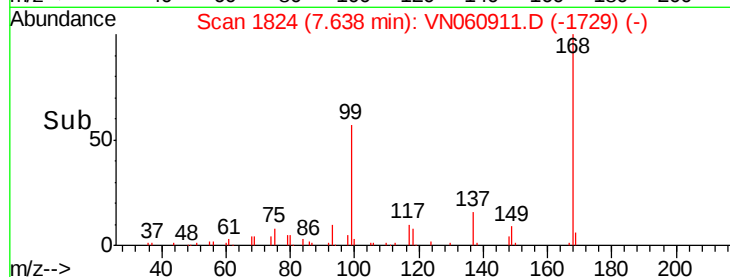
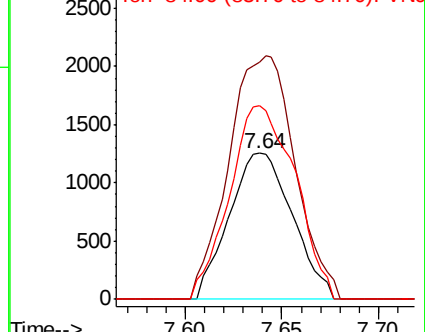
84 132.4 64.3 96.5#



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



#33

1,2-Dichloroethane-d4

Concen: 47.046 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060911.D

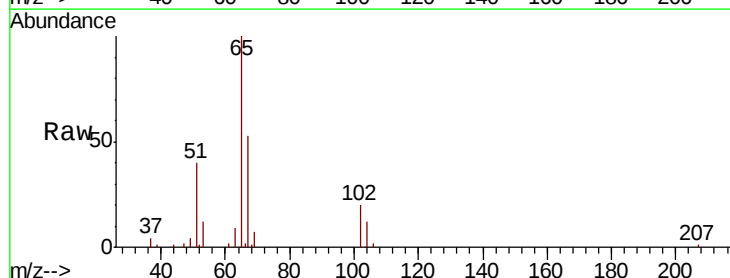
Acq: 13 Apr 2020 20:15

Tgt Ion: 65 Resp: 85585

Ion Ratio Lower Upper

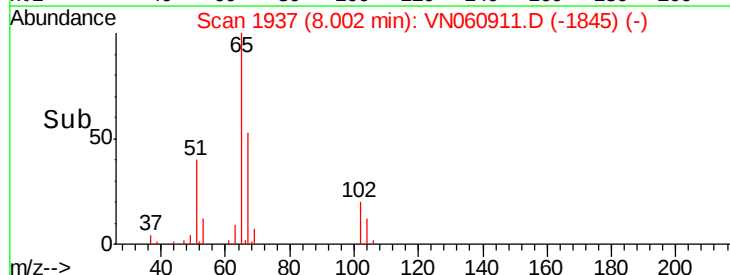
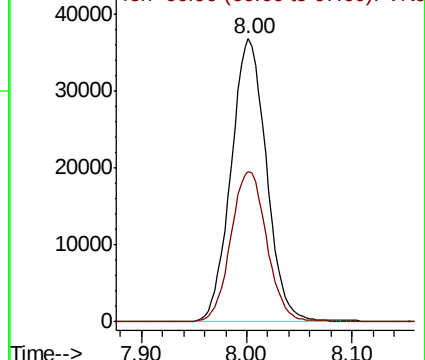
65 100

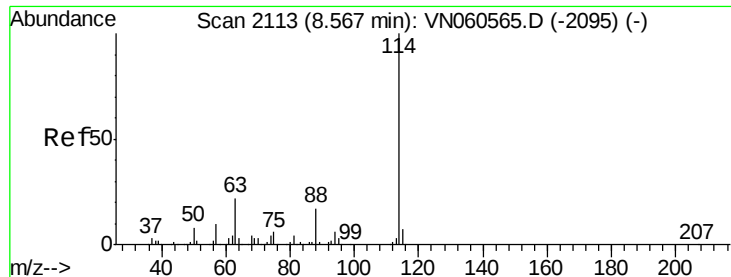
67 53.9 0.0 107.6



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: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Instrument :

MSVOA_N

ClientSampled :

VN0413WBL01

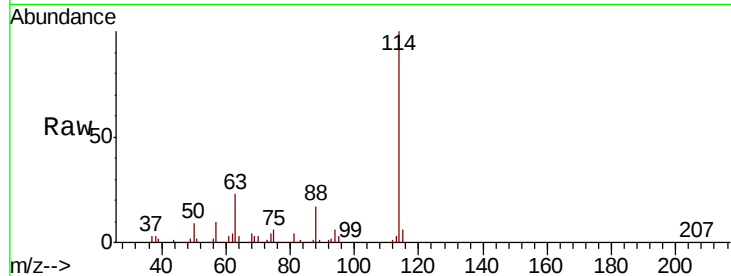
Tot Ion:114 Resp: 222650

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

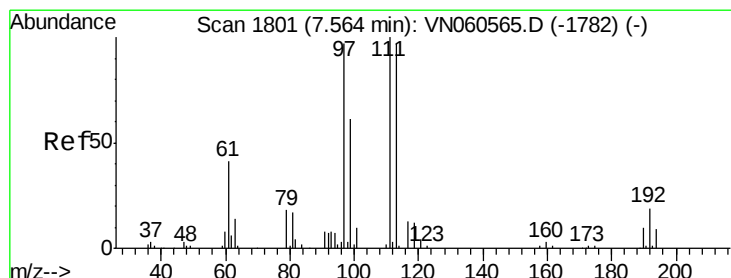
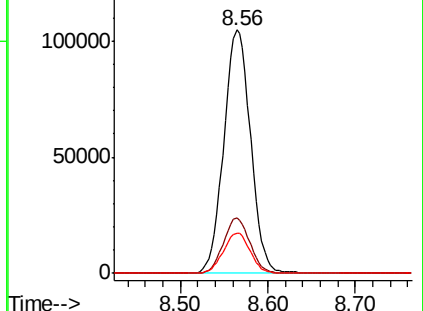
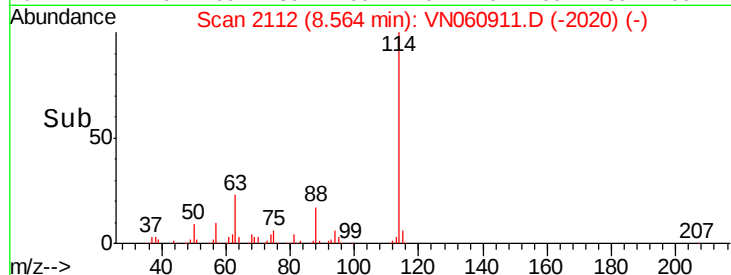
88 16.7 0.0 33.0



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: 48.440 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

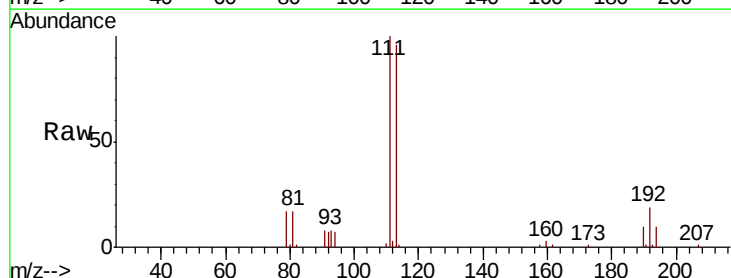
Tgt Ion:113 Resp: 65214

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

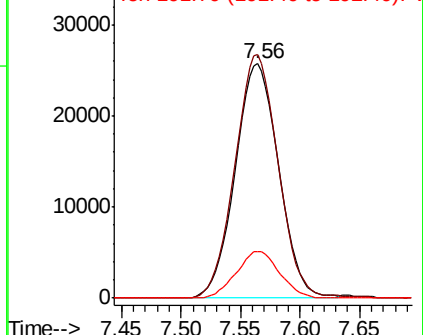
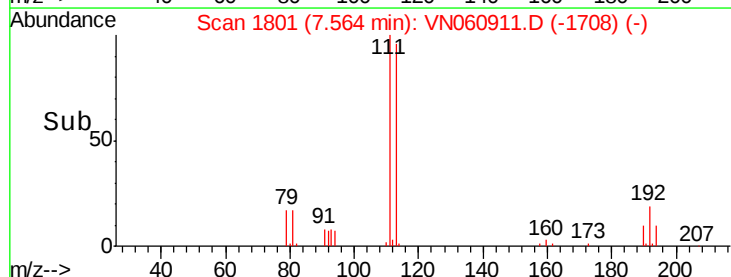
192 19.7 15.8 23.8

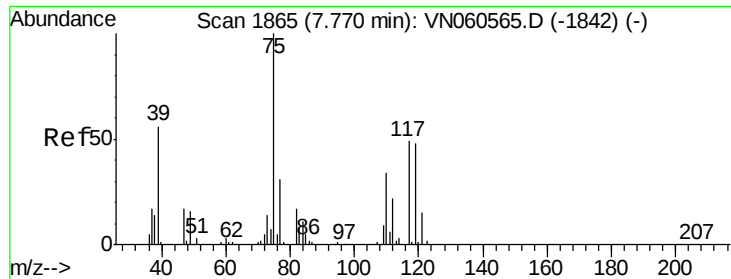


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

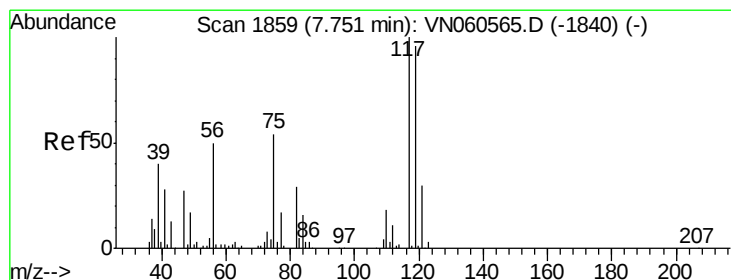
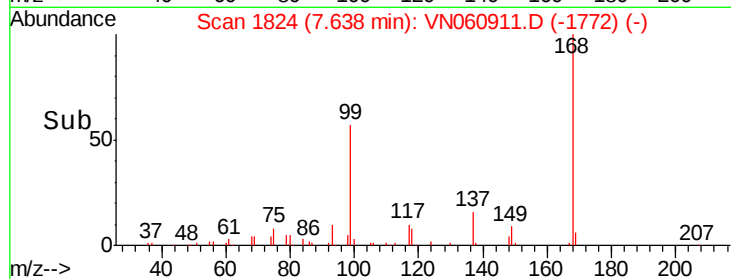
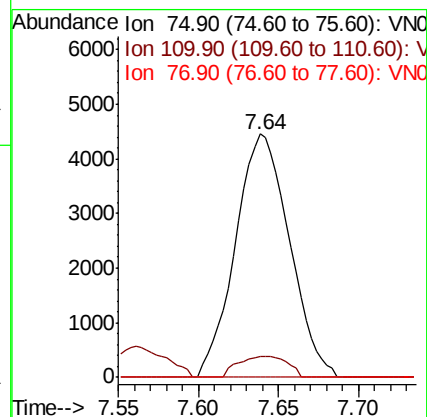
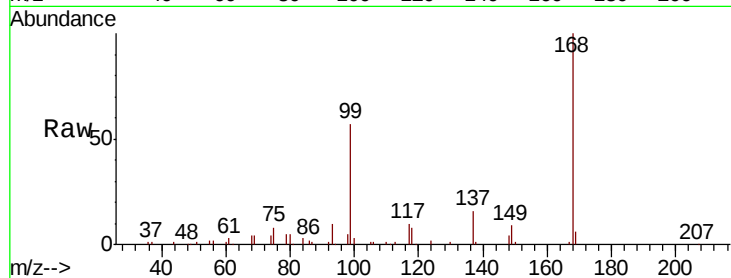




#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060911.D
 Acq: 13 Apr 2020 20:15

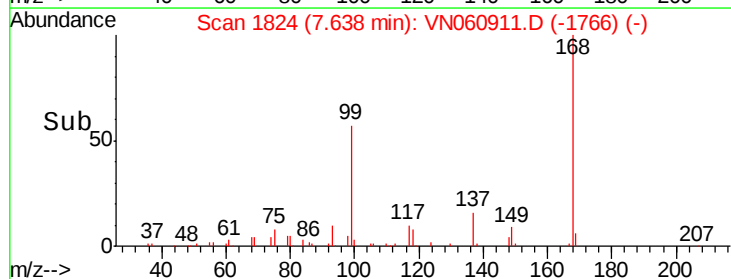
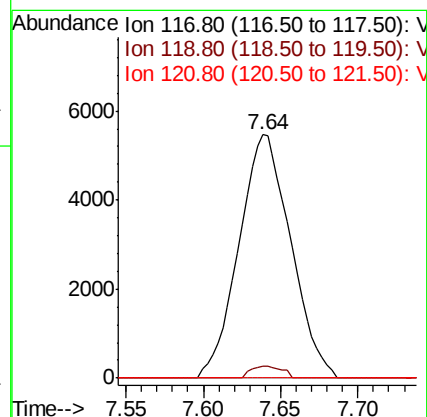
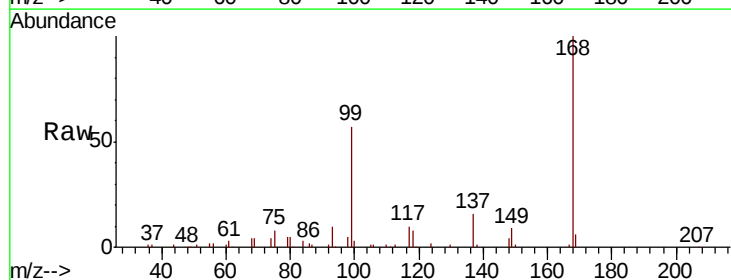
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBL01

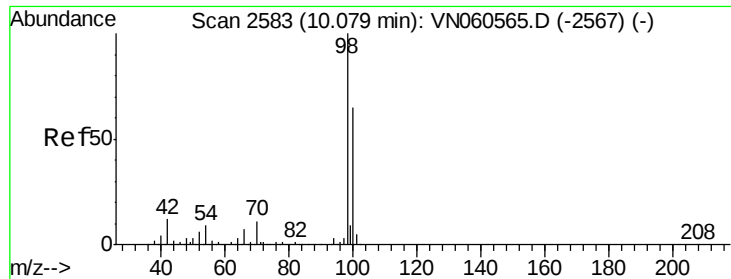
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.580 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060911.D
 Acq: 13 Apr 2020 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.348 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

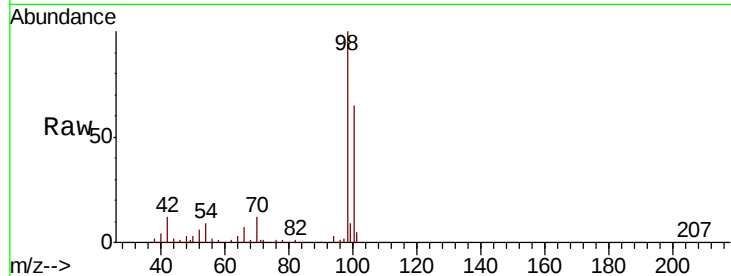
VN0413WBL01

Tot Ion: 98 Resp: 271370

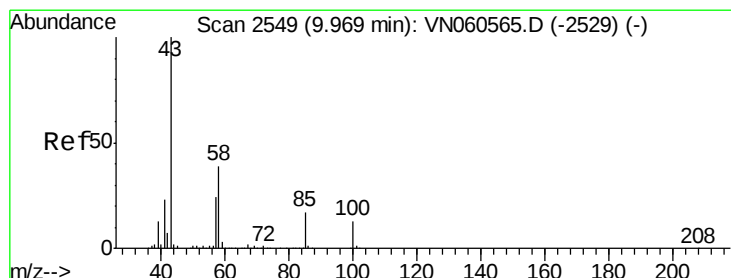
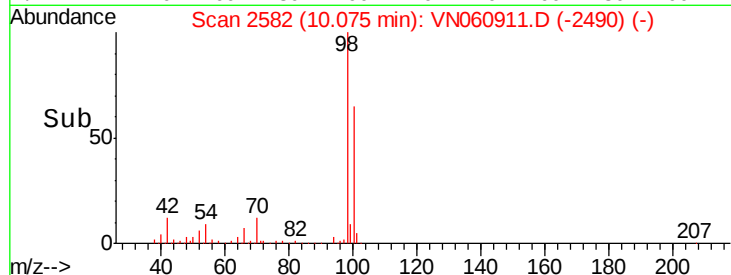
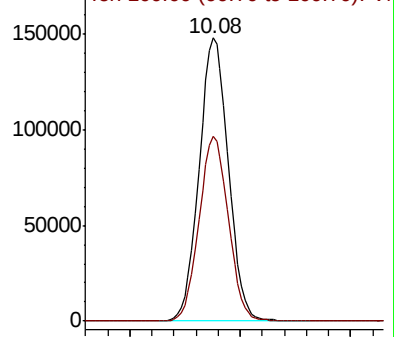
Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060911.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.441 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060911.D

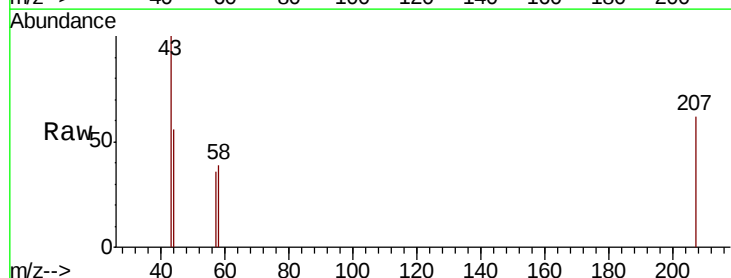
Acq: 13 Apr 2020 20:15

Tgt Ion: 43 Resp: 965

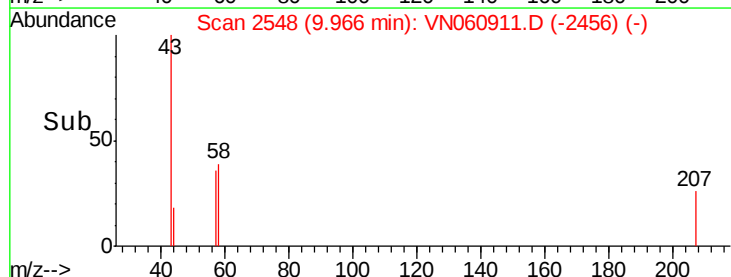
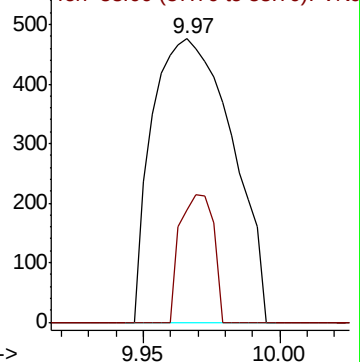
Ion Ratio Lower Upper

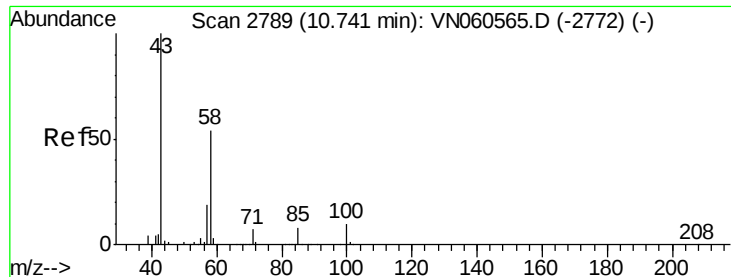
43 100

58 18.8 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060911.D (-2456) (-)

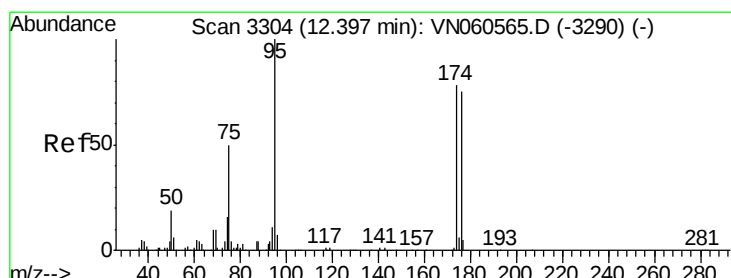
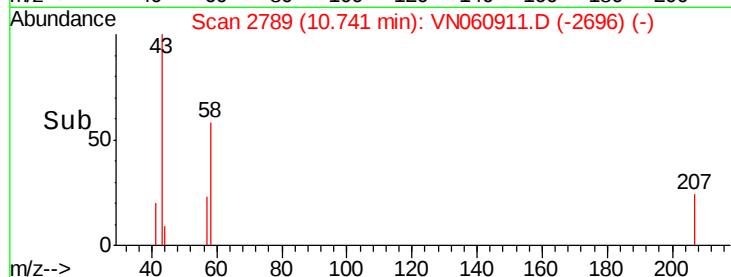
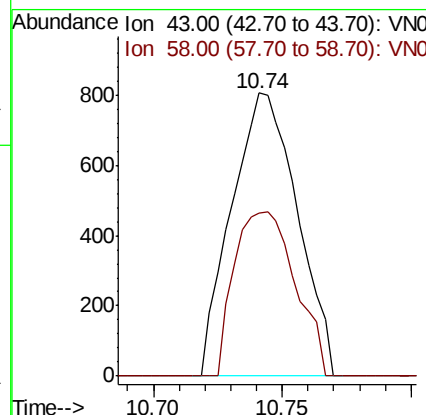
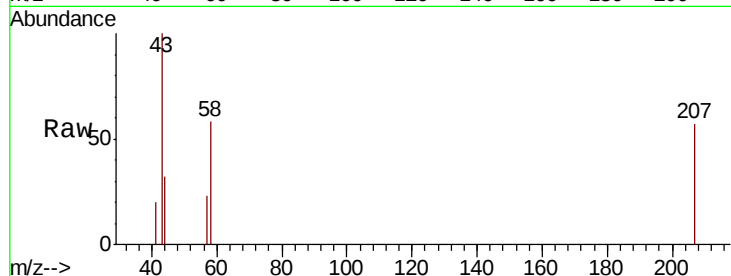




#59
2-Hexanone
Concen: 0.907 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

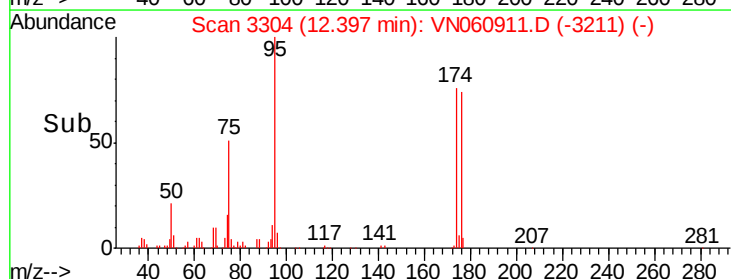
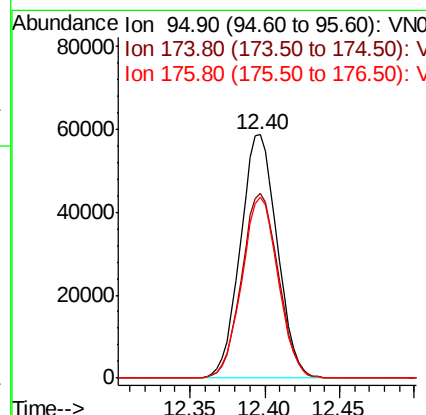
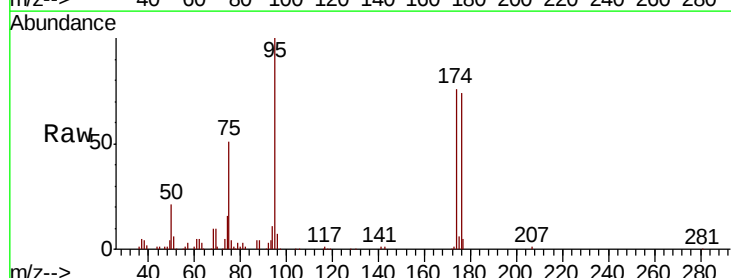
Instrument :
MSVOA_N
ClientSampled :
VN0413WBL01

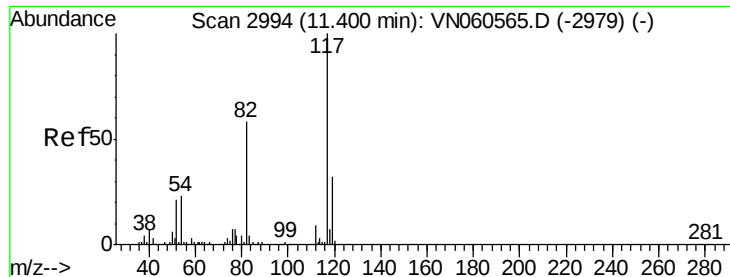
Tot Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 53.8 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 49.816 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Tgt Ion: 95 Resp: 100396
Ion Ratio Lower Upper
95 100
174 76.0 0.0 157.6
176 73.4 0.0 150.6

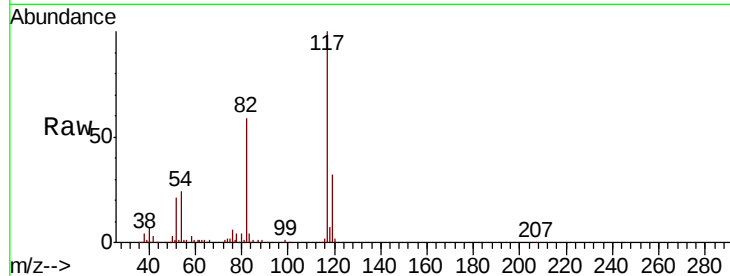




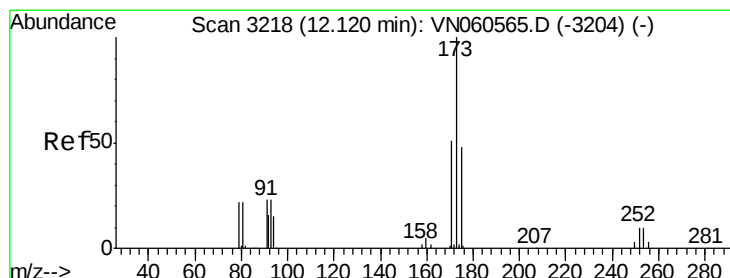
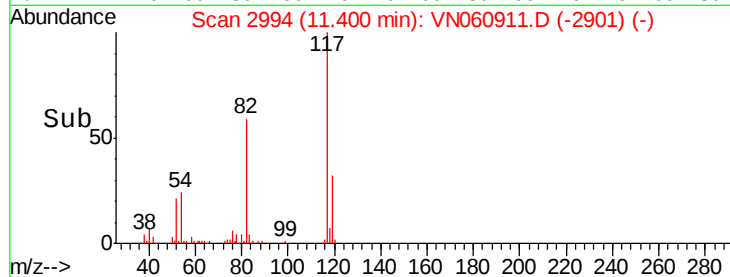
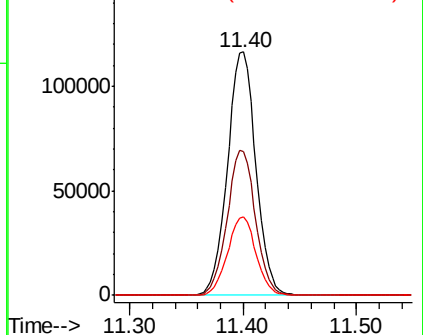
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBL01

Tot Ion:117 Resp: 203364
Ion Ratio Lower Upper
117 100
82 59.2 46.7 70.1
119 32.4 25.5 38.3

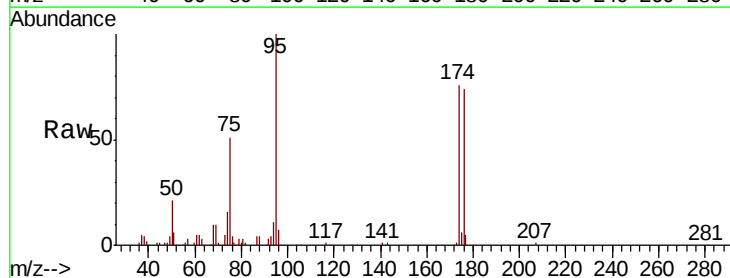


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

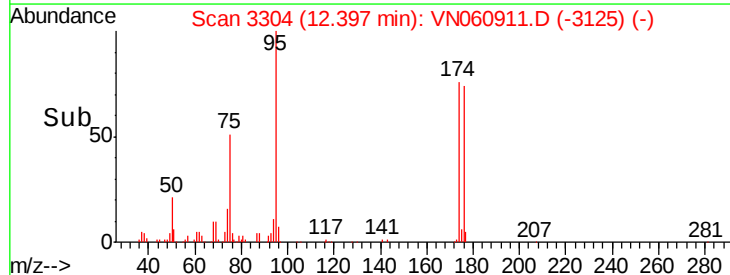
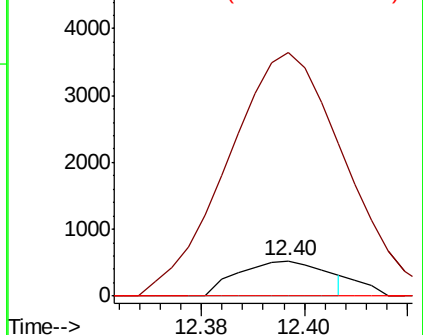


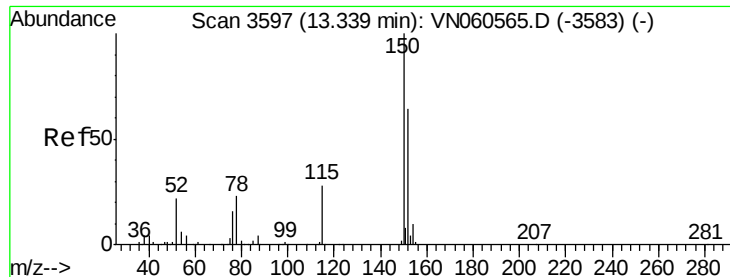
#71
Bromoform
Concen: 2.177 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Tgt Ion:173 Resp: 623
Ion Ratio Lower Upper
173 100
175 792.5 24.1 72.4#
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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBL01

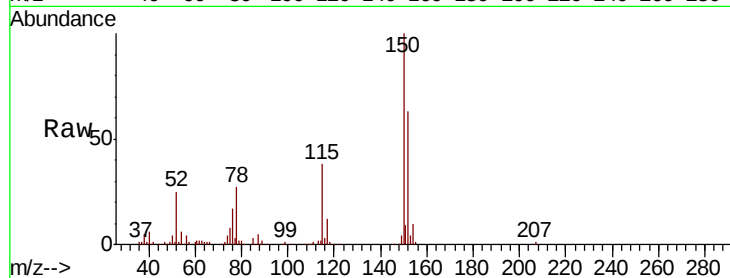
Tot Ion:152 Resp: 88296

Ion Ratio Lower Upper

152 100

115 61.3 30.2 90.6

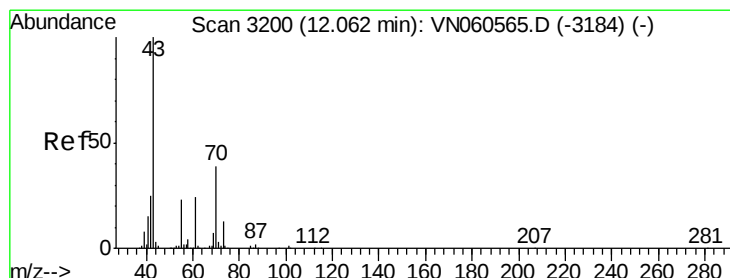
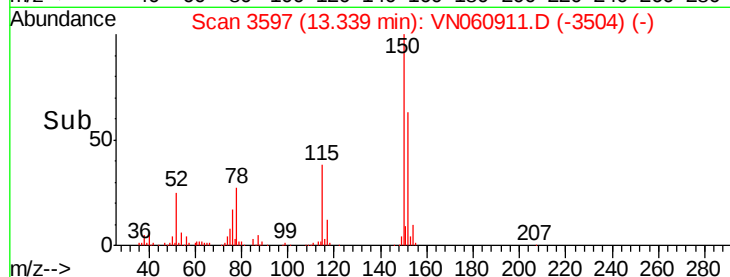
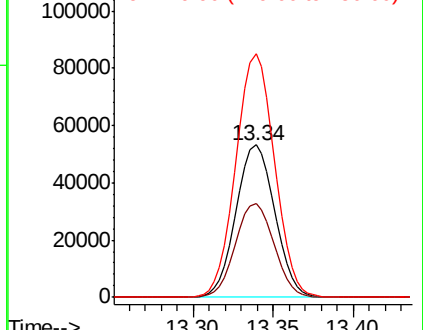
150 159.0 0.0 350.2



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



#74

N-ethyl acetate

Concen: 0.308 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Tgt Ion: 43 Resp: 942

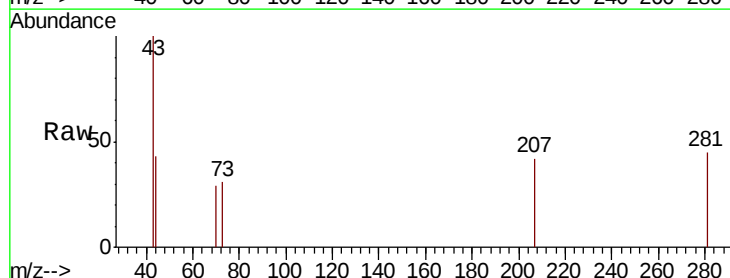
Ion Ratio Lower Upper

43 100

70 17.8 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

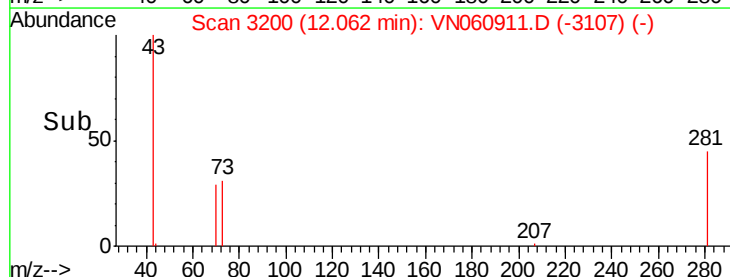
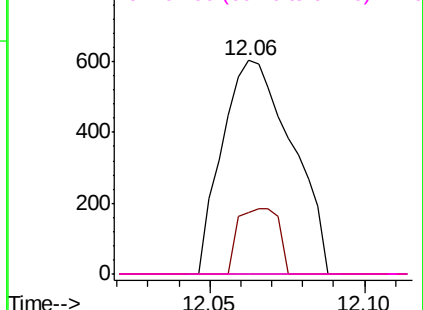


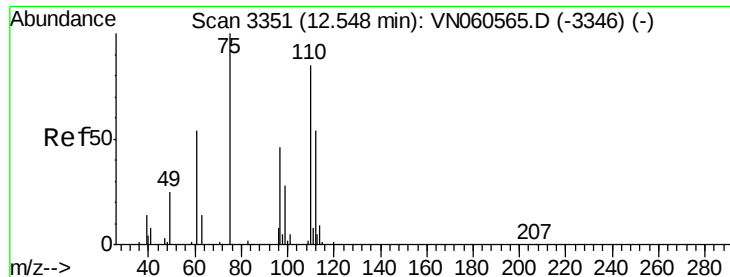
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 26.527 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

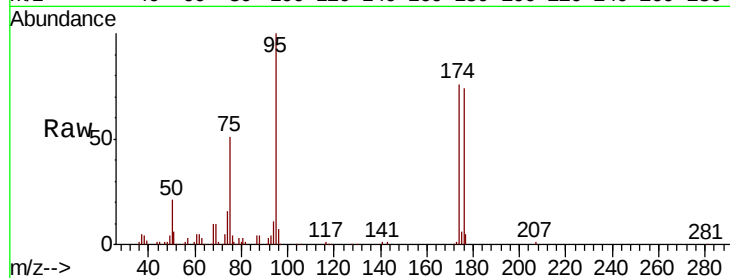
VN0413WBL01

Tot Ion: 75 Resp: 50541

Ion Ratio Lower Upper

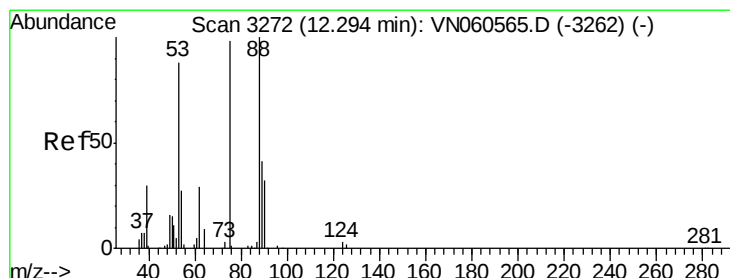
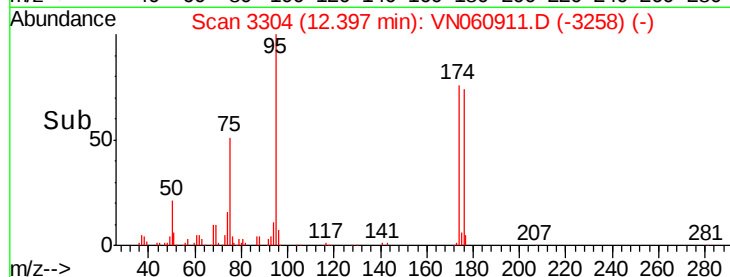
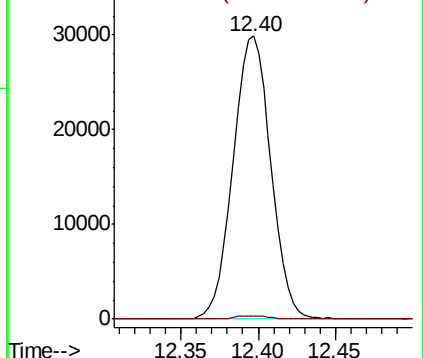
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 68.130 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060911.D

Acq: 13 Apr 2020 20:15

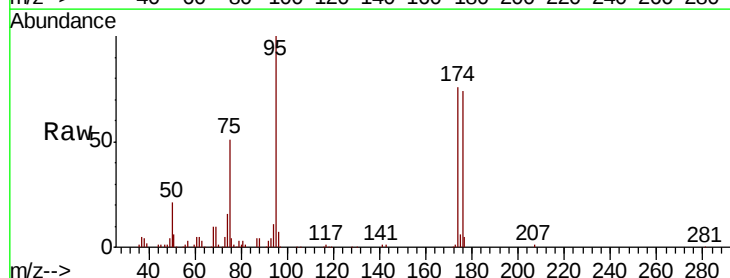
Tgt Ion: 75 Resp: 50541

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

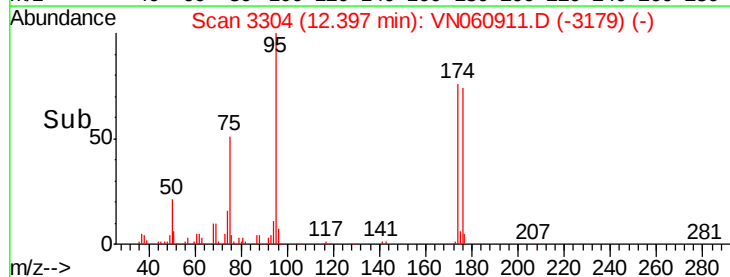
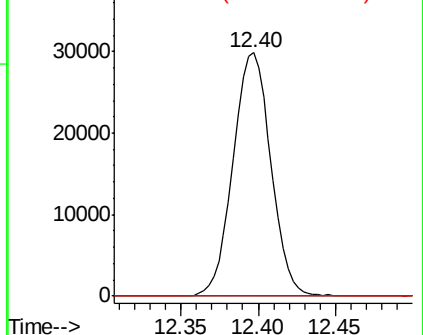
89 0.0 34.8 52.2#

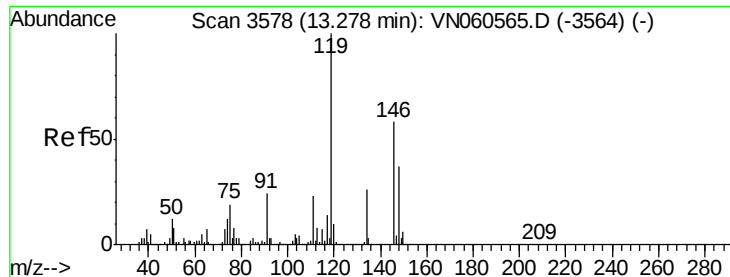


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

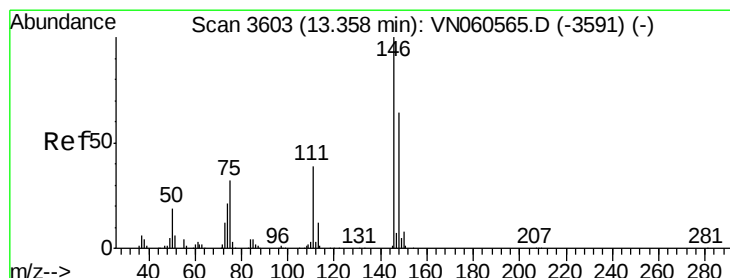
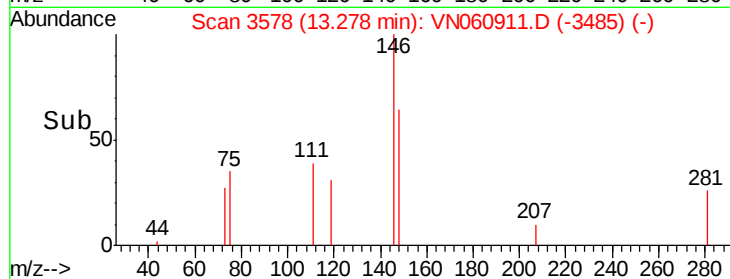
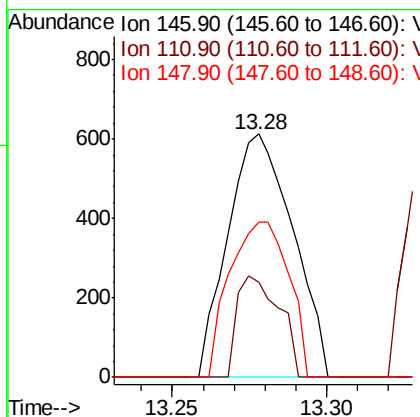
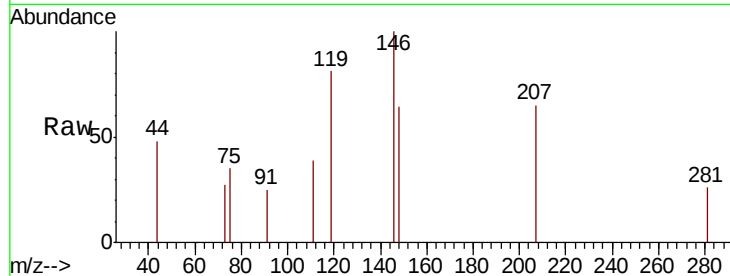




#87
 1,3-Dichlorobenzene
 Concen: 0.319 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060911.D
 Acq: 13 Apr 2020 20:15

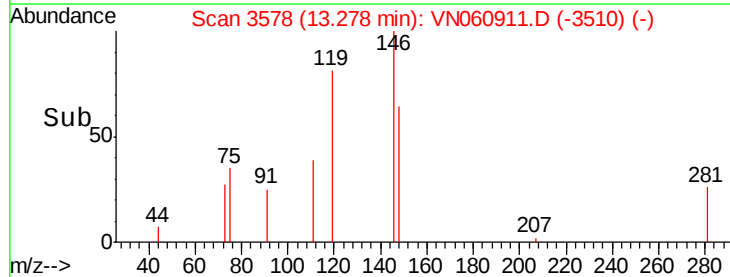
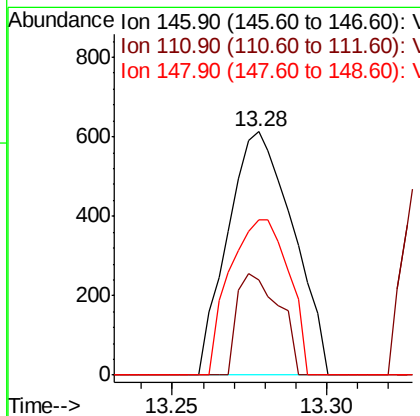
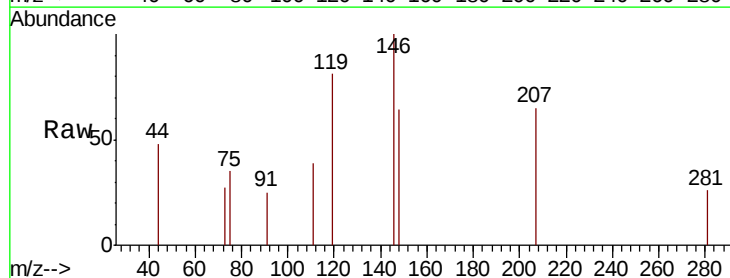
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBL01

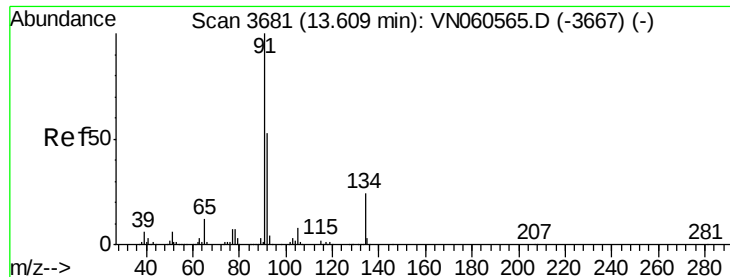
Tot Ion:146 Resp: 898
 Ion Ratio Lower Upper
 146 100
 111 26.6 20.3 60.8
 148 58.0 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 0.317 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN060911.D
 Acq: 13 Apr 2020 20:15

Tgt Ion:146 Resp: 898
 Ion Ratio Lower Upper
 146 100
 111 26.6 19.6 58.7
 148 58.0 32.1 96.3

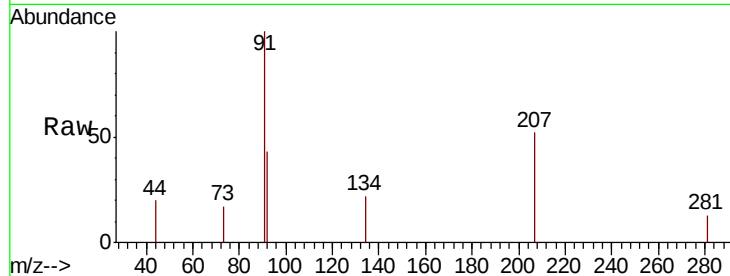




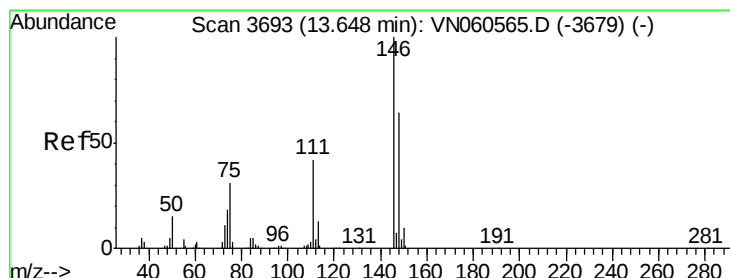
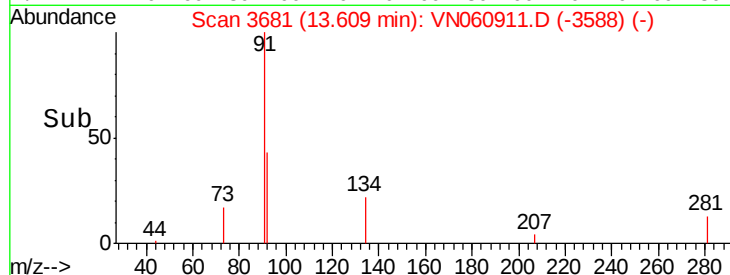
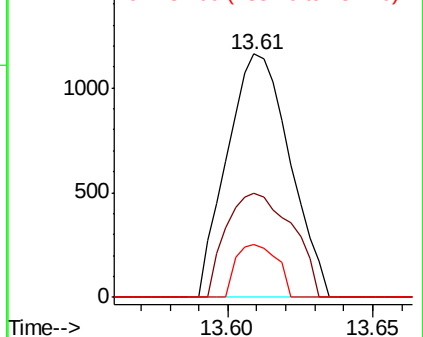
#89
n-Butylbenzene
Concen: 0.342 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBL01

Tot Ion: 91 Resp: 1741
Ion Ratio Lower Upper
91 100
92 45.0 26.2 78.5
134 14.2 12.3 36.9

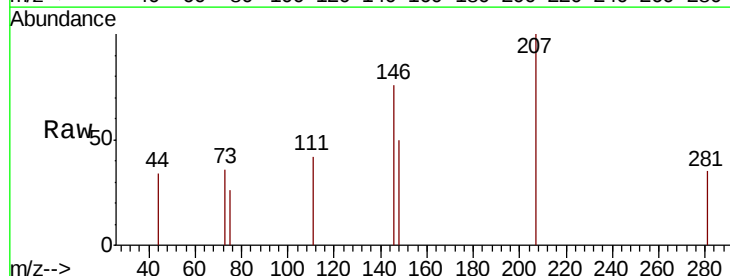


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

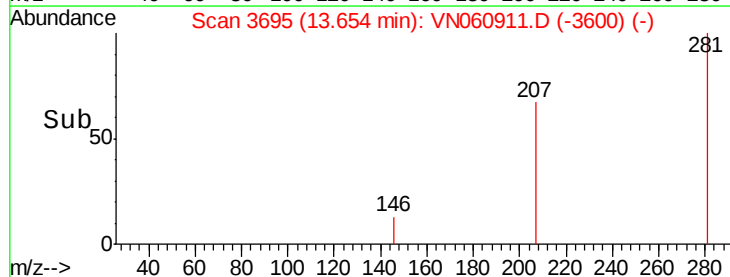
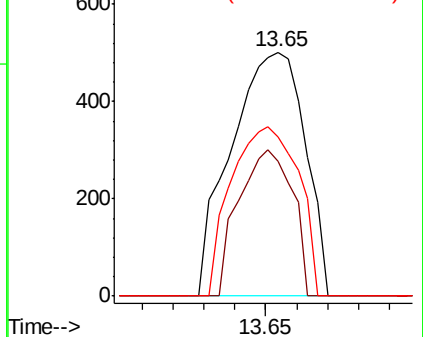


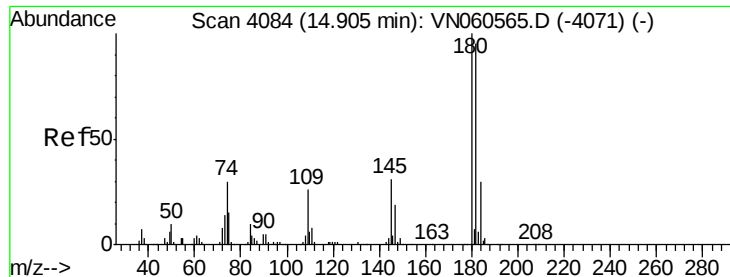
#91
1,2-Dichlorobenzene
Concen: 0.310 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.01 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Tgt Ion: 146 Resp: 835
Ion Ratio Lower Upper
146 100
111 43.4 21.0 63.0
148 63.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

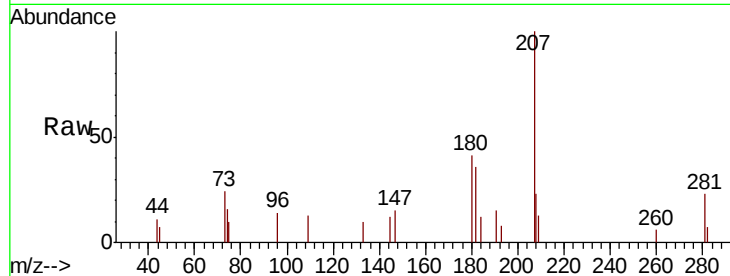




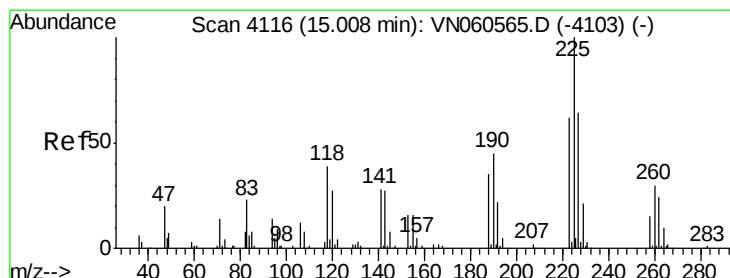
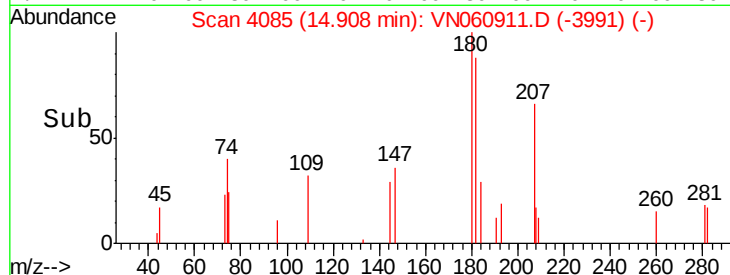
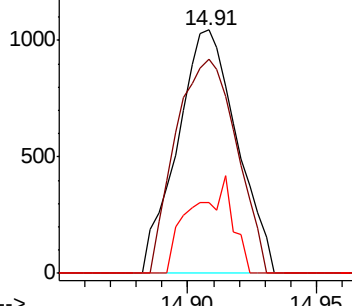
#93
 1,2,4-Trichlorobenzene
 Concen: 1.016 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060911.D
 Acq: 13 Apr 2020 20:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0413WBL01

Tot Ion:180 Resp: 1680
 Ion Ratio Lower Upper
 180 100
 182 89.8 47.9 143.8
 145 27.3 15.4 46.2

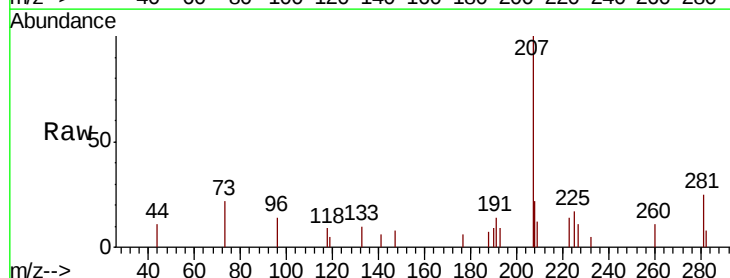


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

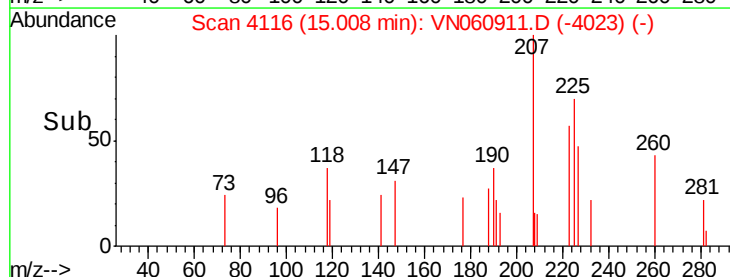
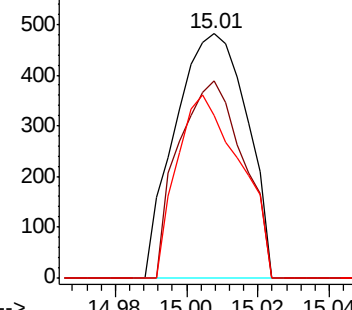


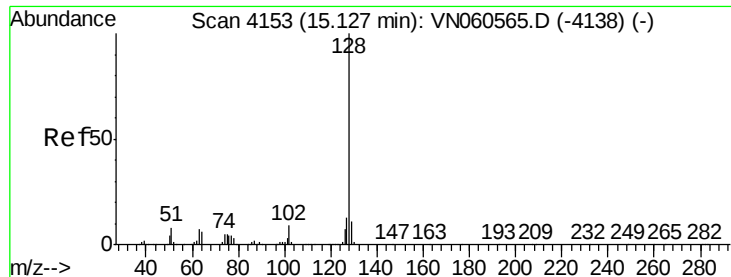
#94
 Hexachlorobutadiene
 Concen: 0.825 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060911.D
 Acq: 13 Apr 2020 20:15

Tgt Ion:225 Resp: 669
 Ion Ratio Lower Upper
 225 100
 223 72.9 31.6 95.0
 227 66.2 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

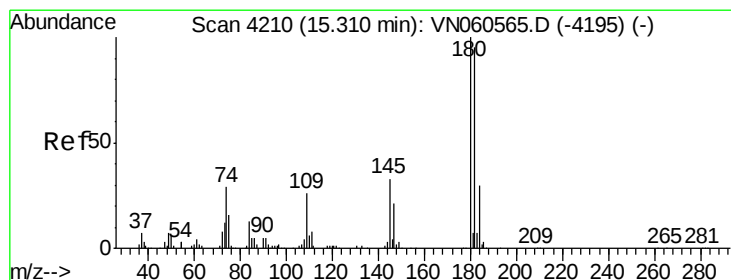
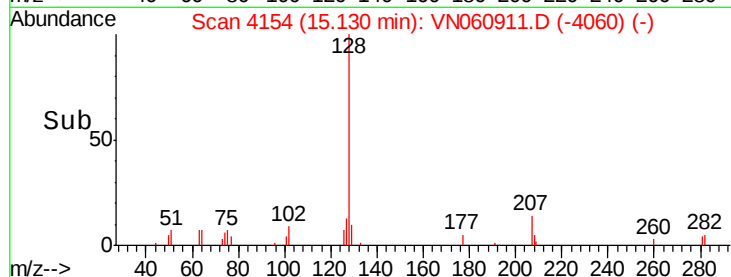
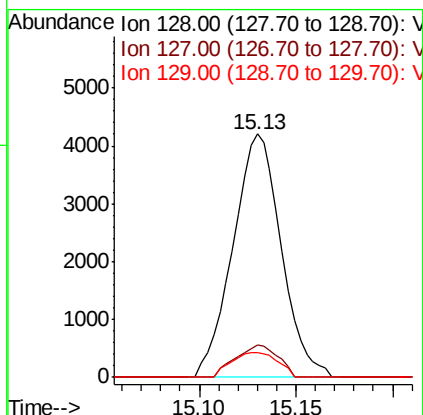
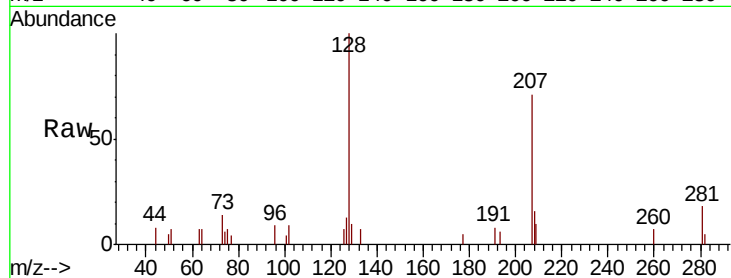




#95
Naphthalene
Concen: 1.464 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBL01

Tot Ion:128 Resp: 7283
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 9.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.247 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060911.D
Acq: 13 Apr 2020 20:15

Tgt Ion:180 Resp: 2031
Ion Ratio Lower Upper
180 100
182 94.4 47.5 142.6
145 27.6 16.3 48.8

