

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060924.D
 Acq On : 14 Apr 2020 10:53
 Operator : JC/MD
 Sample : VN0414WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

Quant Time: Apr 15 07:41:27 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	150657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	252320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	228368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	91070	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	97842	47.31	ug/l	0.00
Spiked Amount						
			Recovery	=	94.62%	
35) Dibromofluoromethane	7.56	113	76225	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
50) Toluene-d8	10.08	98	311349	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	108888	47.68	ug/l	0.00
Spiked Amount						
			Recovery	=	95.36%	

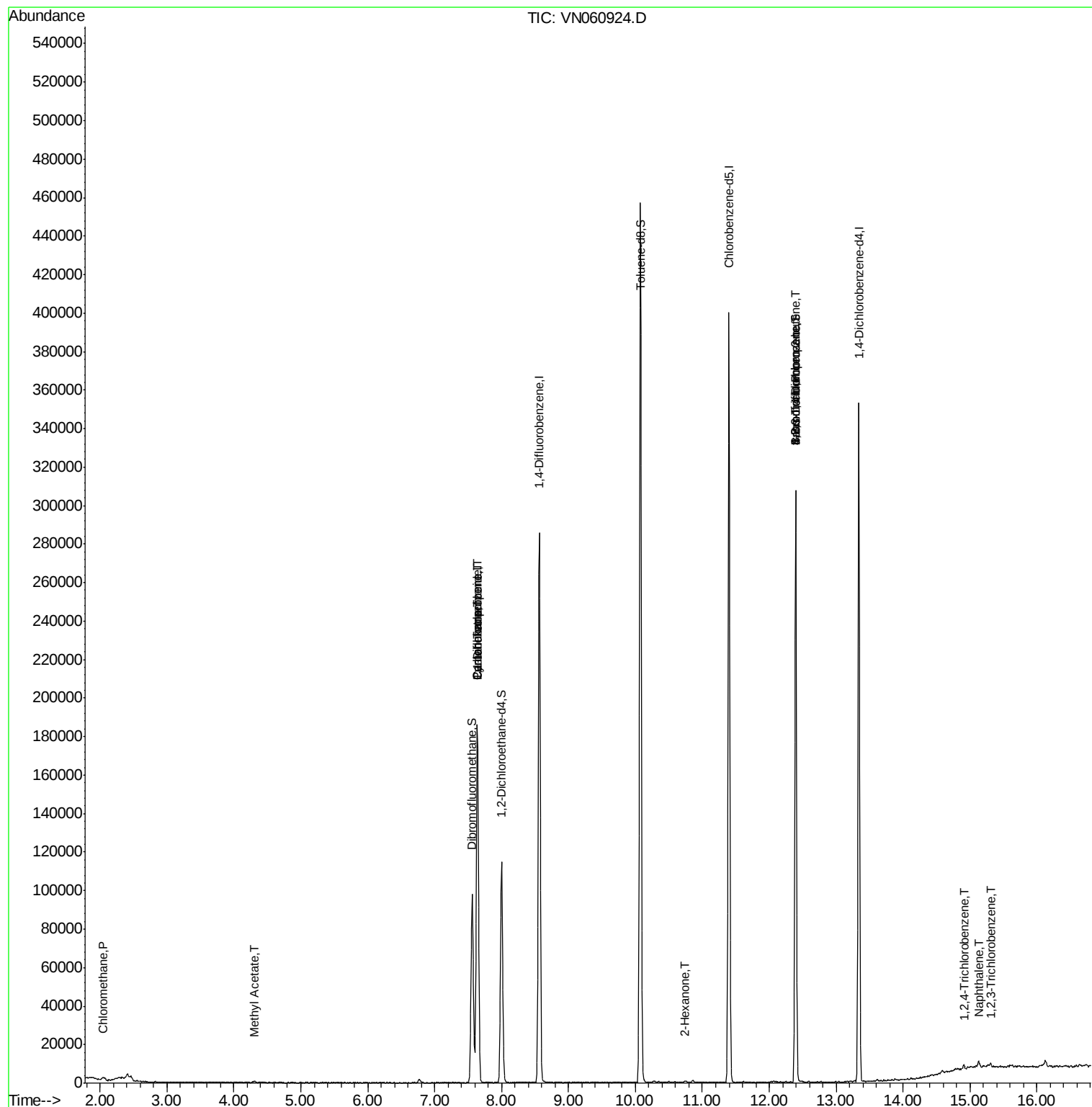
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1030	0.378	ug/l	89
18) Methyl Acetate	4.29	43	1333	0.646	ug/l #	54
31) Cyclohexane	7.63	56	3175	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12224	5.003	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14667	6.698	ug/l #	16
59) 2-Hexanone	10.74	43	564	0.316	ug/l #	48
71) Bromoform	12.39	173	365	1.939	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	54436	27.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	54436	71.145	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	599	0.351	ug/l #	84
95) Naphthalene	15.13	128	3141	0.612	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	914	0.544	ug/l	89

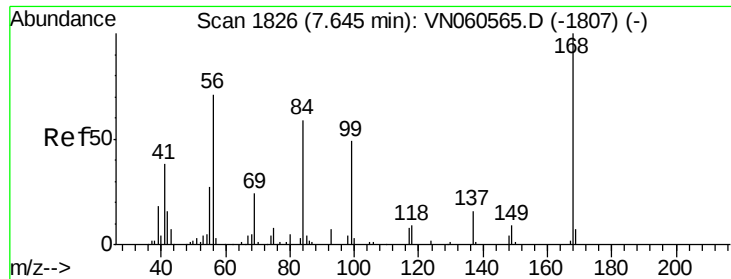
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060924.D

Acq: 14 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

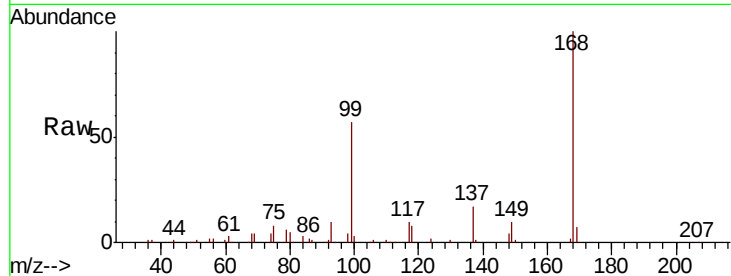
VN0414WBL01

Tot Ion:168 Resp: 150657

Ion Ratio Lower Upper

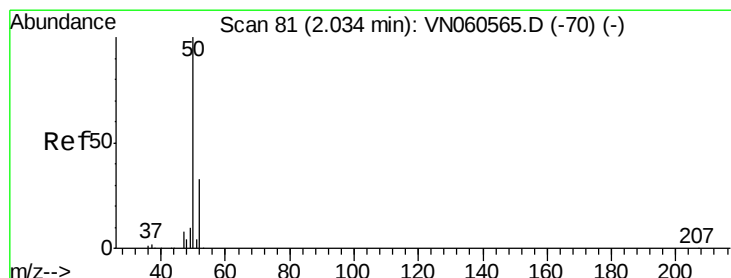
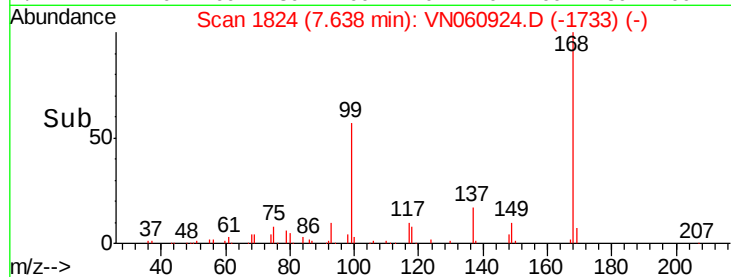
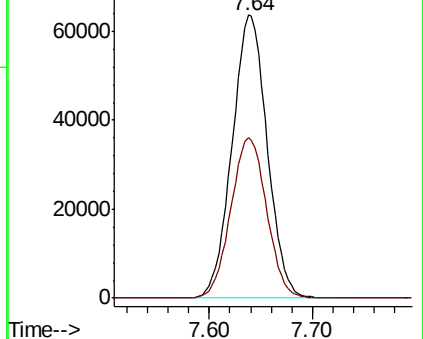
168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.378 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060924.D

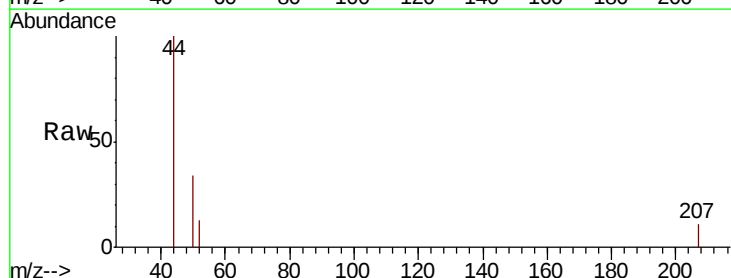
Acq: 14 Apr 2020 10:53

Tgt Ion: 50 Resp: 1030

Ion Ratio Lower Upper

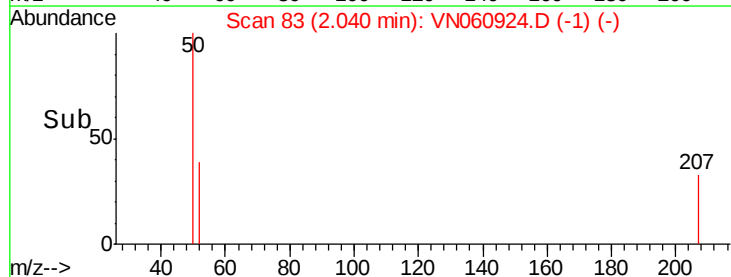
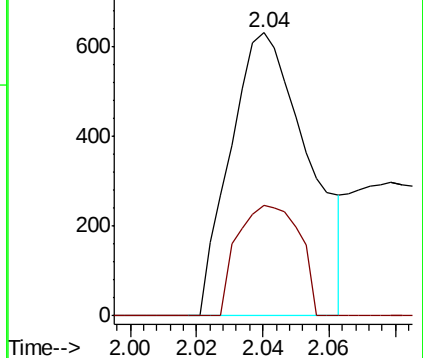
50 100

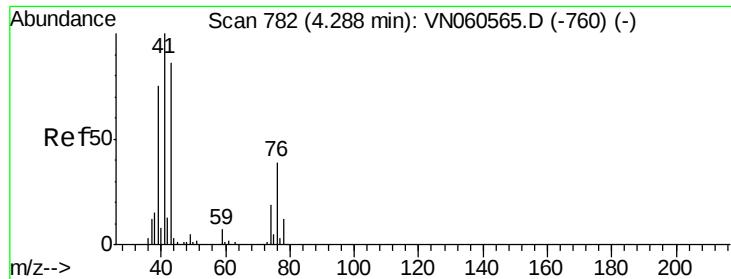
52 38.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

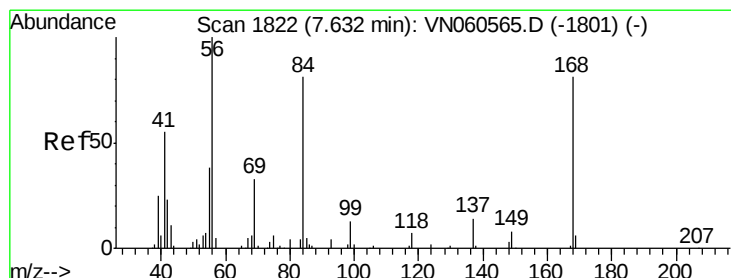
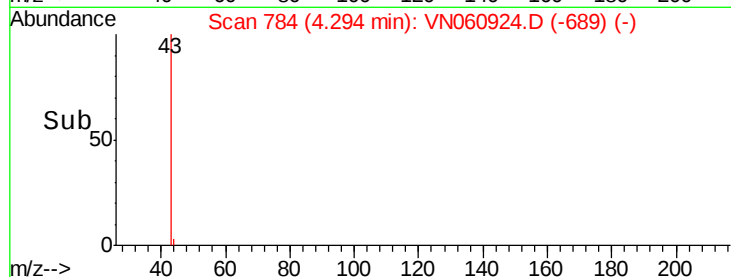
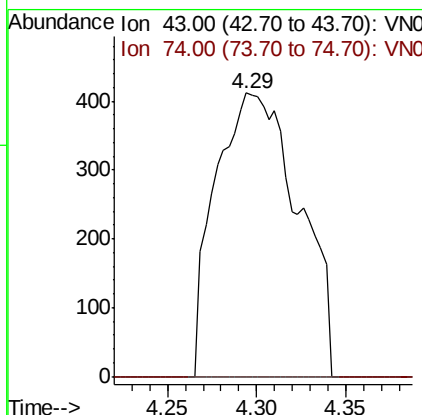
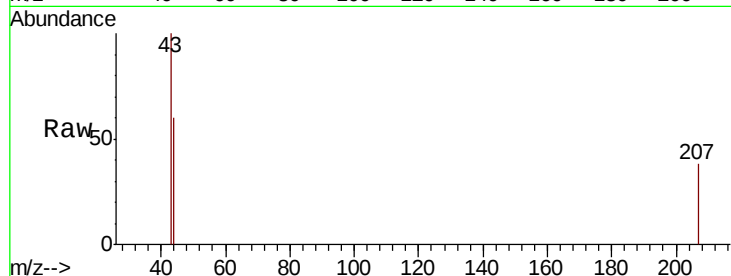




#18
Methyl Acetate
Concen: 0.646 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060924.D
Acq: 14 Apr 2020 10:53

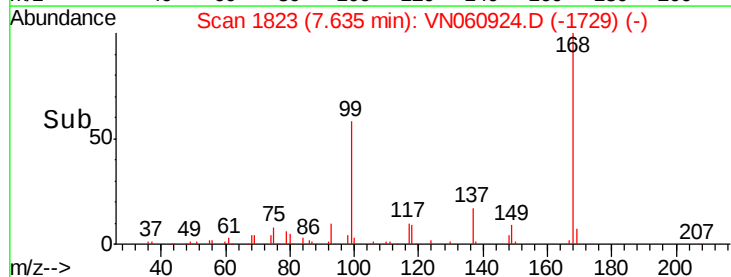
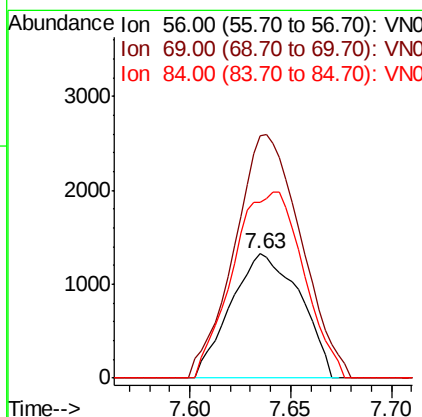
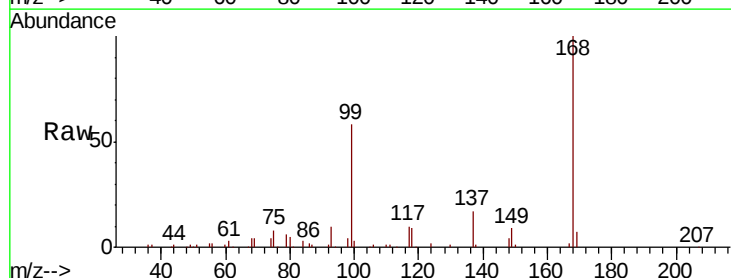
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

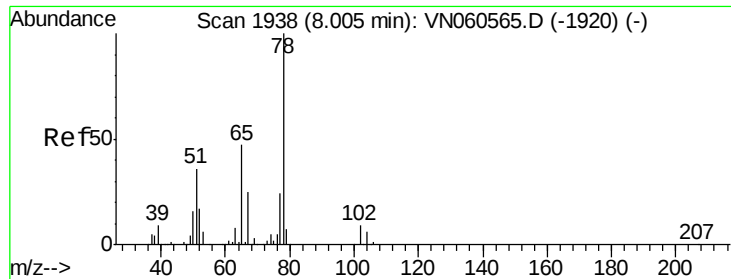
Tot Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060924.D
Acq: 14 Apr 2020 10:53

Tgt Ion: 56 Resp: 3175
Ion Ratio Lower Upper
56 100
69 194.8 26.6 40.0#
84 141.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.308 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

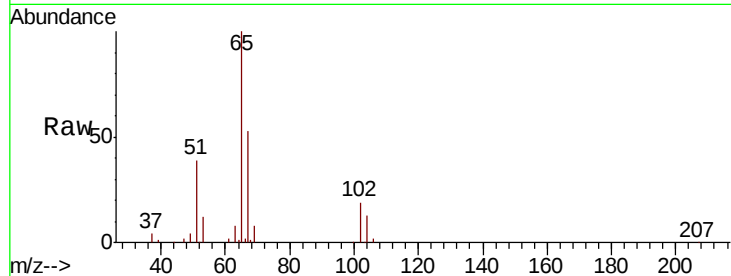
VN0414WBL01

Tot Ion: 65 Resp: 97842

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060924.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060924.D (-1845) (-)

8.00

40000

30000

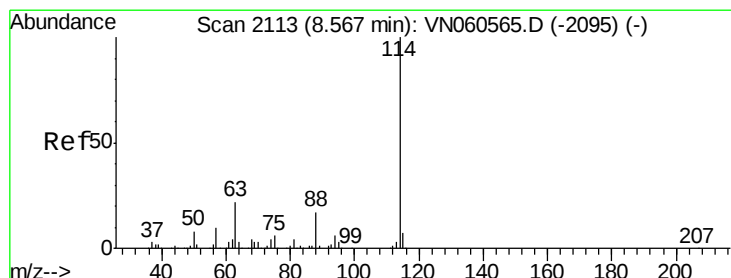
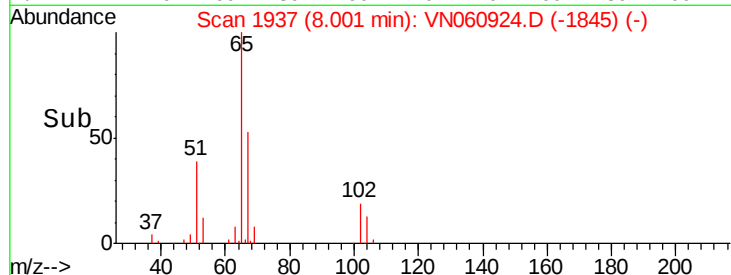
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

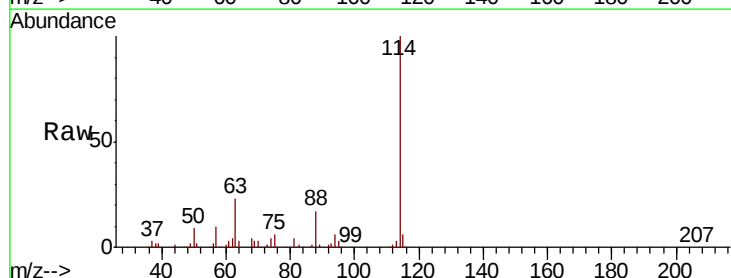
Tgt Ion: 114 Resp: 252320

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.8

88 16.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060924.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060924.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060924.D (-2020) (-)

8.56

150000

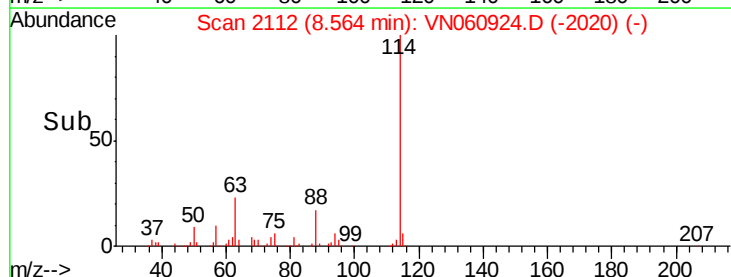
100000

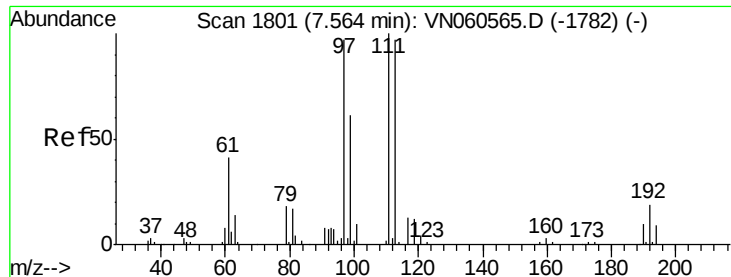
50000

0

8.50 8.60 8.70

Time-->

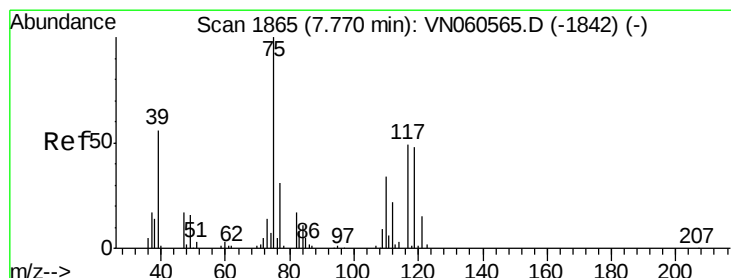
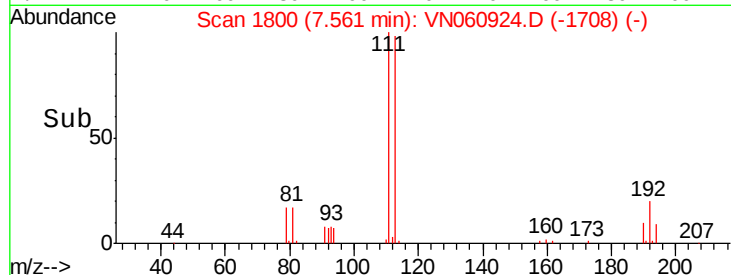
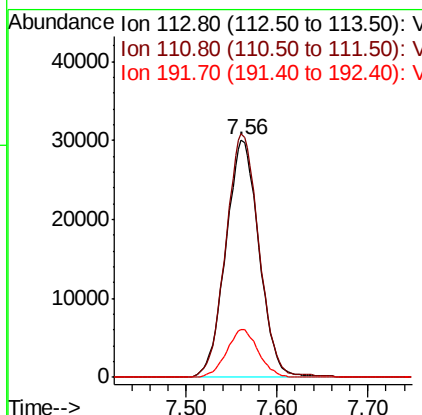
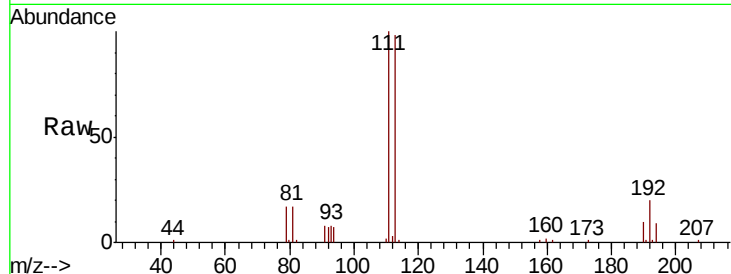




#35
 Dibromofluoromethane
 Concen: 49.961 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060924.D
 Acq: 14 Apr 2020 10:53

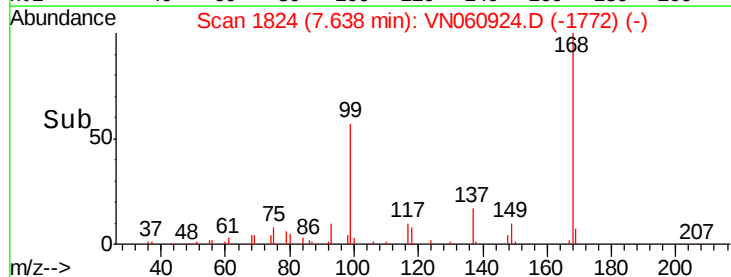
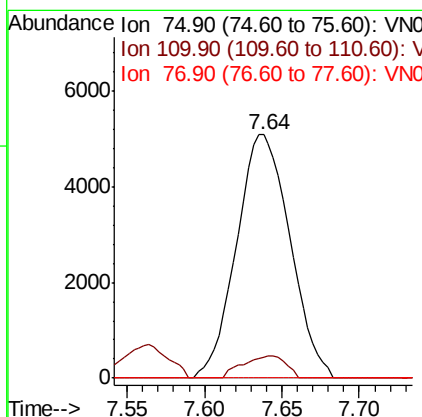
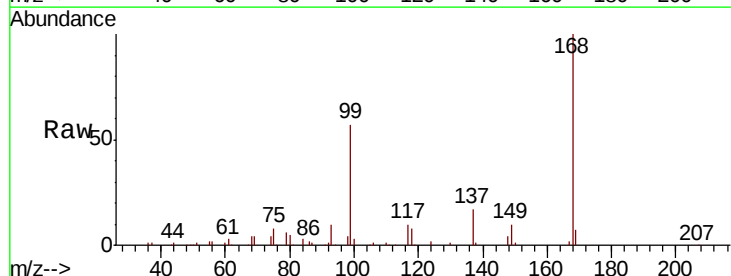
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

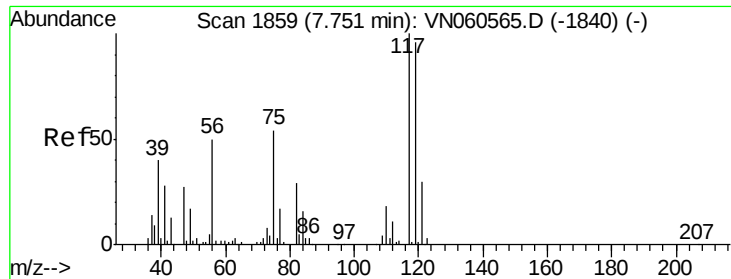
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.2	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.003 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060924.D
 Acq: 14 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.9	50.6#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.698 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampled :

VN0414WBL01

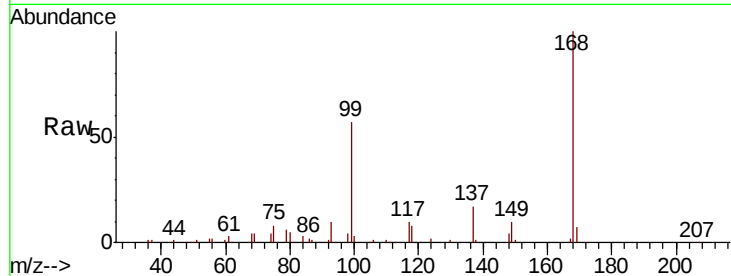
Tot Ion:117 Resp: 14667

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

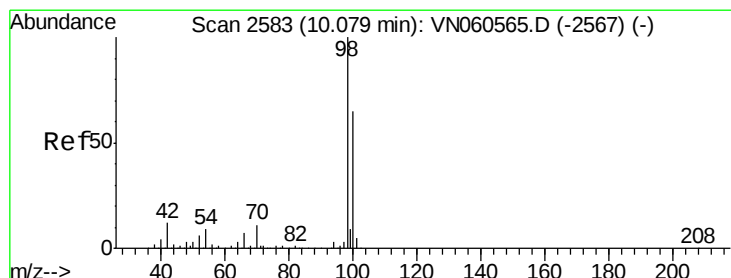
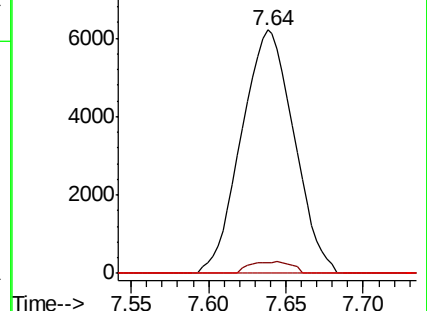
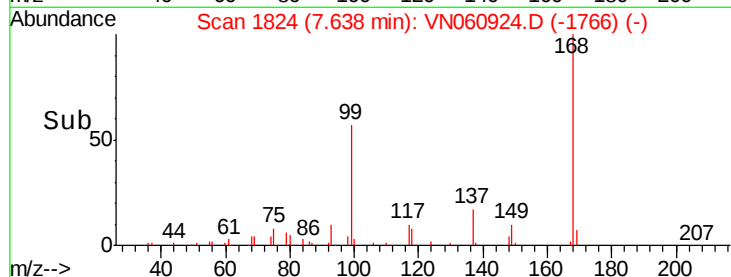
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 49.961 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060924.D

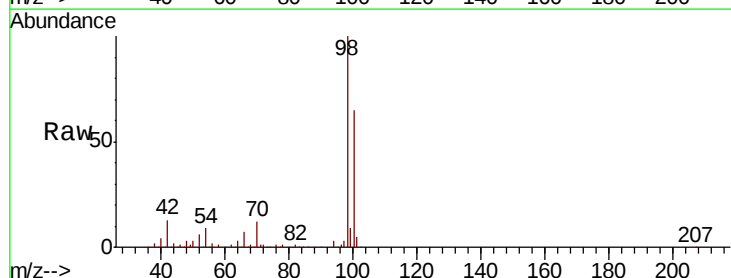
Acq: 14 Apr 2020 10:53

Tgt Ion: 98 Resp: 311349

Ion Ratio Lower Upper

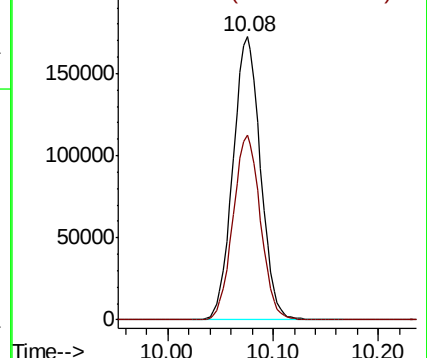
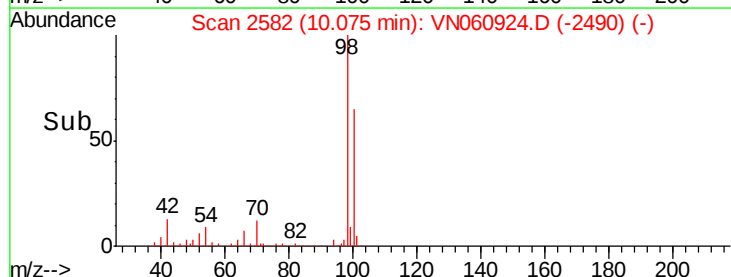
98 100

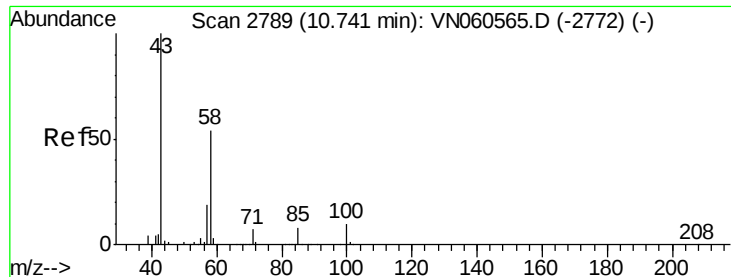
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 0.316 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampled :

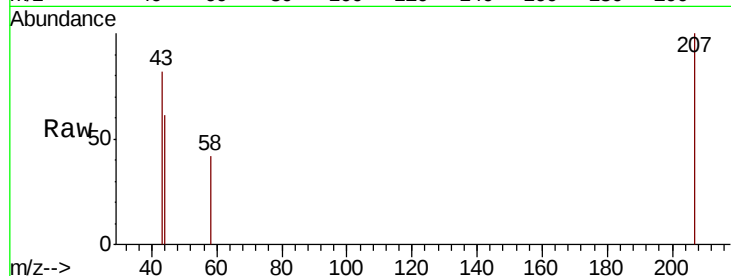
VN0414WBL01

Tot Ion: 43 Resp: 564

Ion Ratio Lower Upper

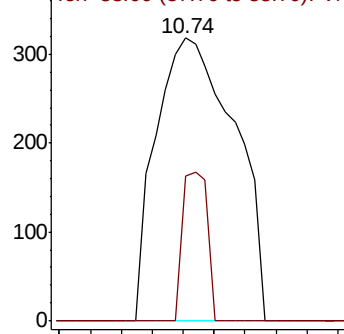
43 100

58 16.7 26.7 80.1#

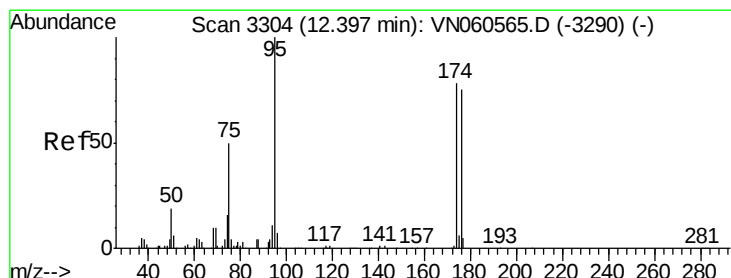
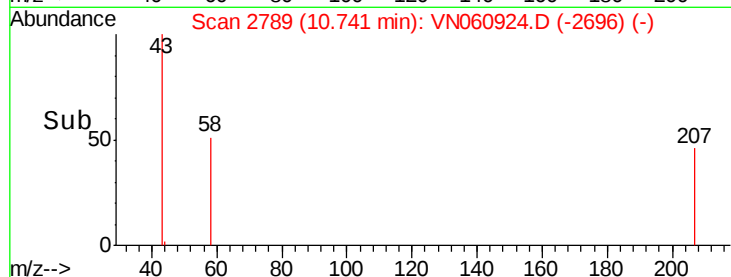


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.70 10.75



#62

4-Bromofluorobenzene

Concen: 47.676 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

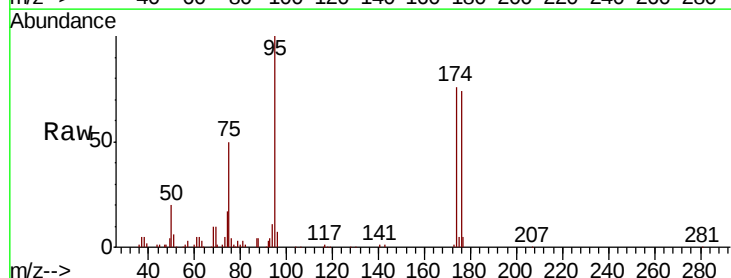
Tgt Ion: 95 Resp: 108888

Ion Ratio Lower Upper

95 100

174 75.9 0.0 157.6

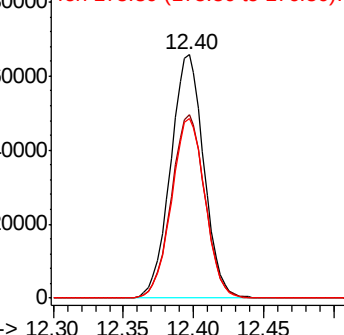
176 74.4 0.0 150.6



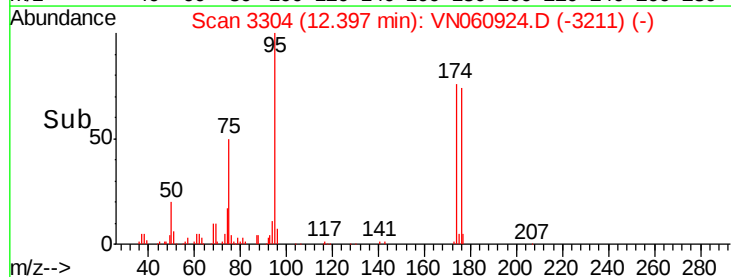
Abundance Ion 94.90 (94.60 to 95.60): VN0

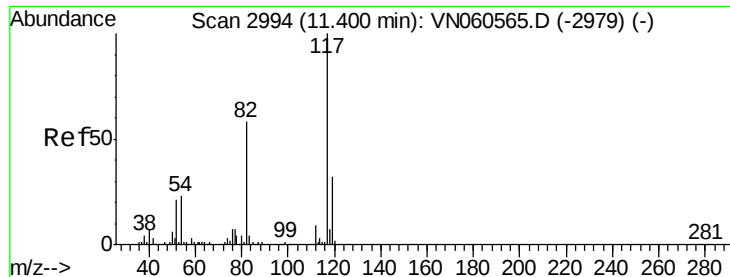
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.35 12.40 12.45

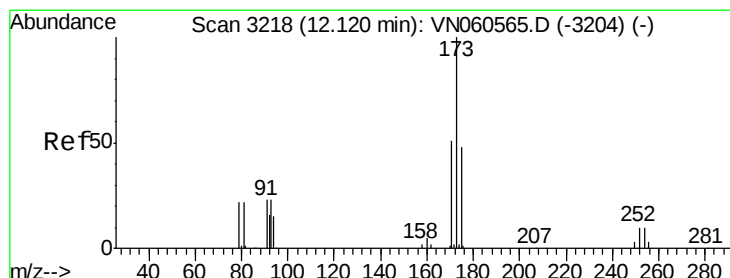
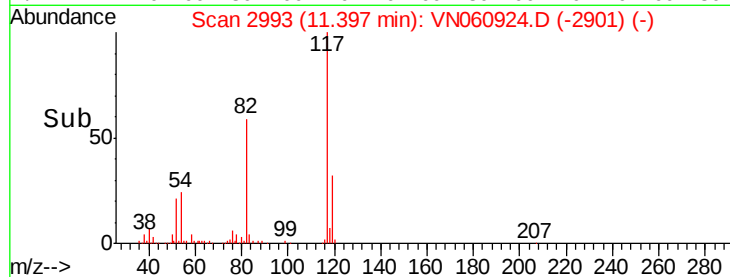
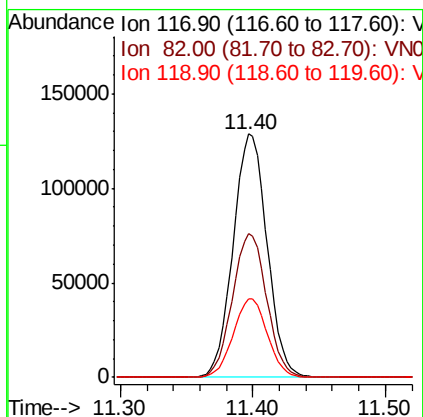
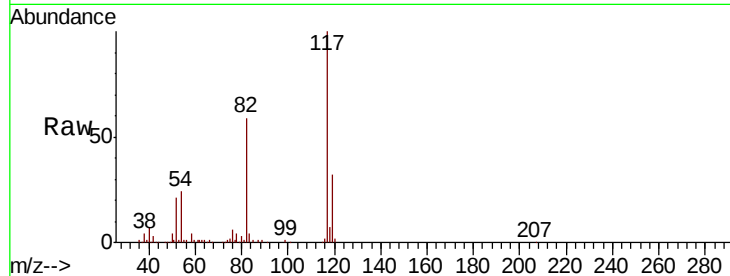




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060924.D
Acq: 14 Apr 2020 10:53

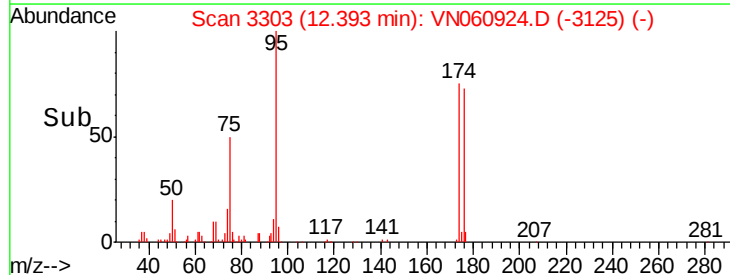
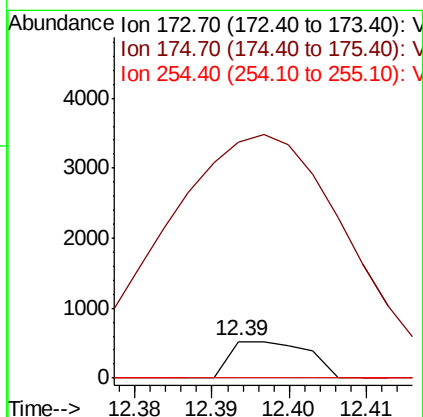
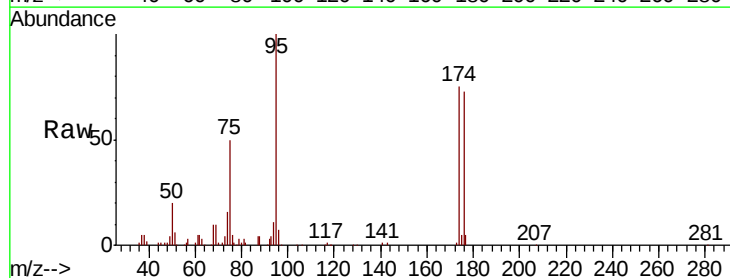
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

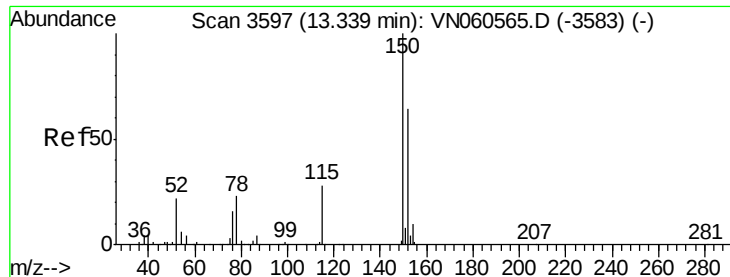
Tot Ion:117 Resp: 228368
Ion Ratio Lower Upper
117 100
82 58.8 46.7 70.1
119 32.2 25.5 38.3



#71
Bromoform
Concen: 1.939 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060924.D
Acq: 14 Apr 2020 10:53

Tgt Ion:173 Resp: 365
Ion Ratio Lower Upper
173 100
175 1420.8 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBL01

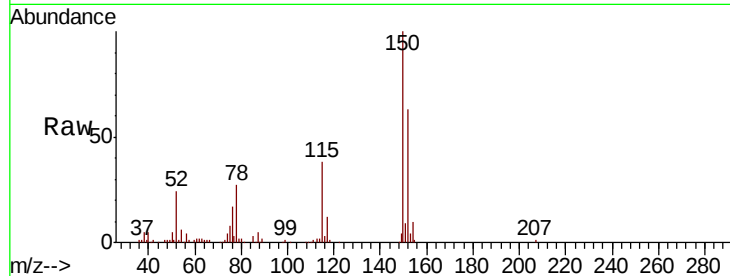
Tot Ion:152 Resp: 91070

Ion Ratio Lower Upper

152 100

115 61.1 30.2 90.6

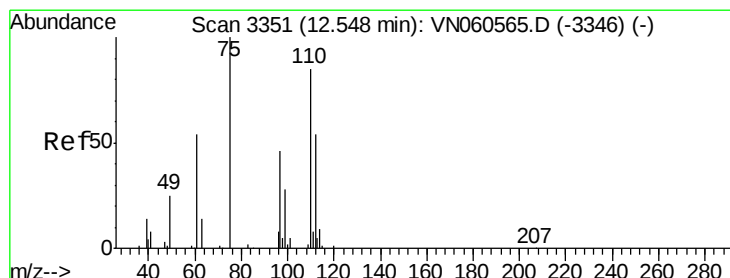
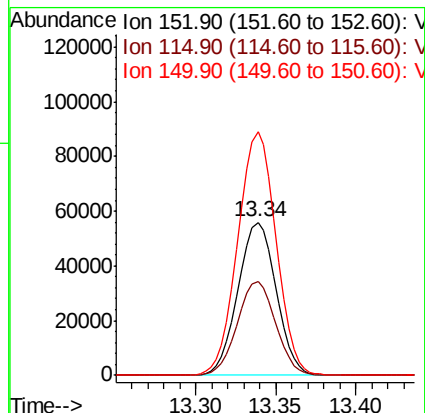
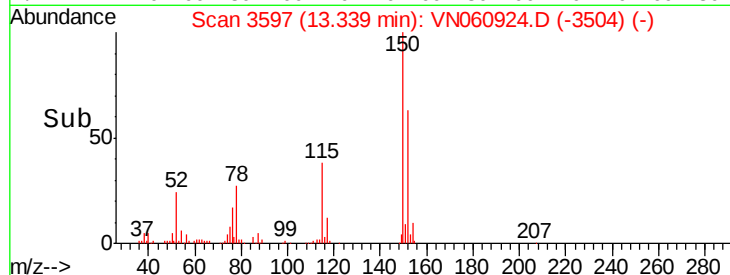
150 159.2 0.0 350.2



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: 27.701 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060924.D

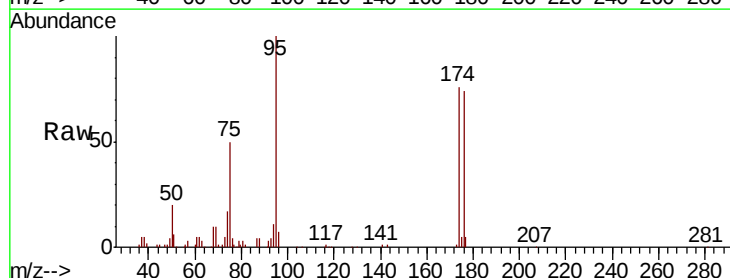
Acq: 14 Apr 2020 10:53

Tgt Ion: 75 Resp: 54436

Ion Ratio Lower Upper

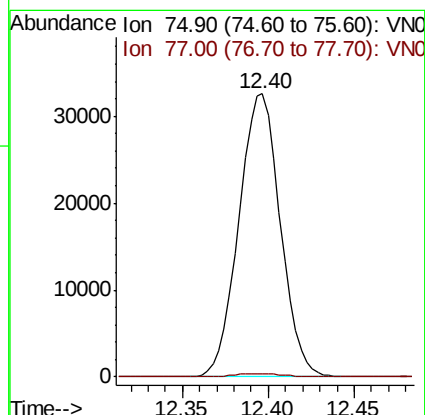
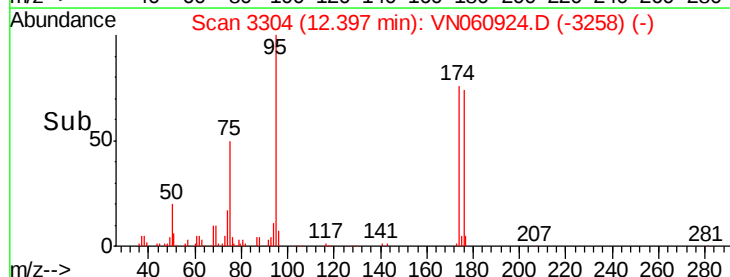
75 100

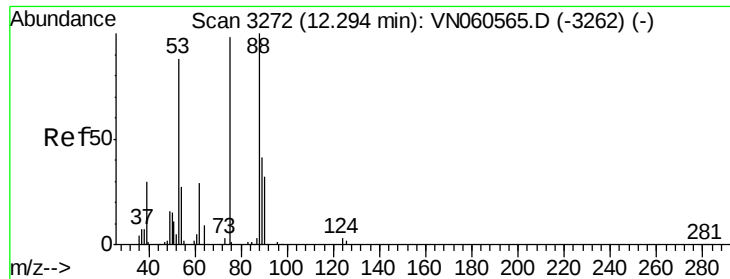
77 1.2 0.0 0.0#



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: 71.145 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBL01

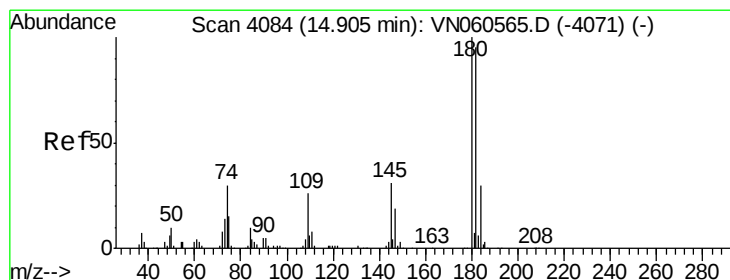
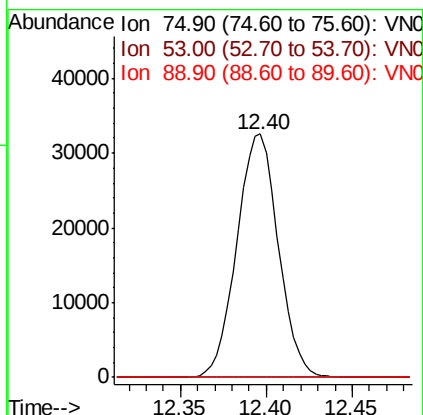
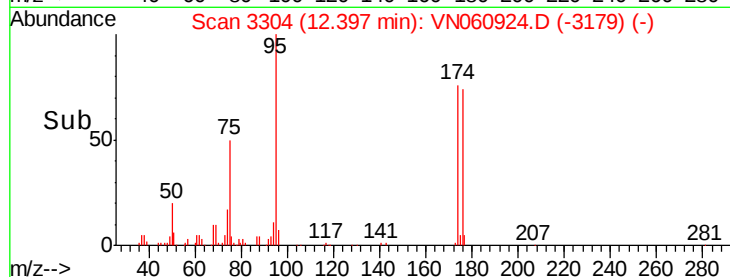
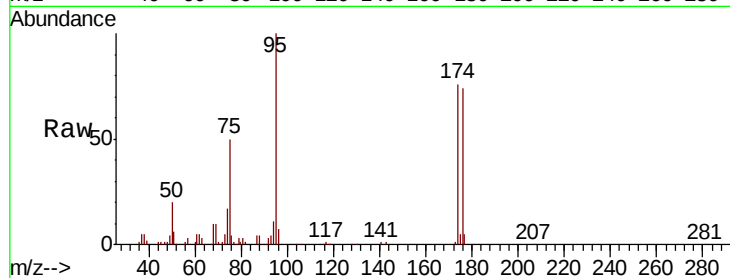
Tot Ion: 75 Resp: 54436

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



#93

1,2,4-Trichlorobenzene

Concen: 0.351 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060924.D

Acq: 14 Apr 2020 10:53

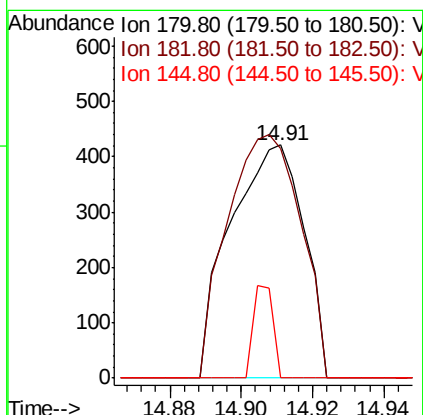
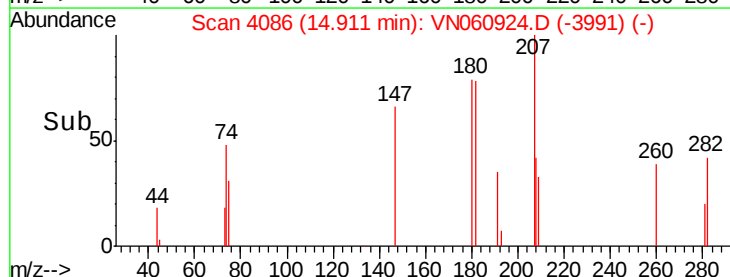
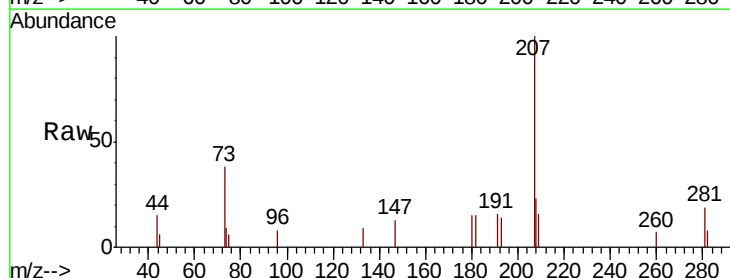
Tgt Ion: 180 Resp: 599

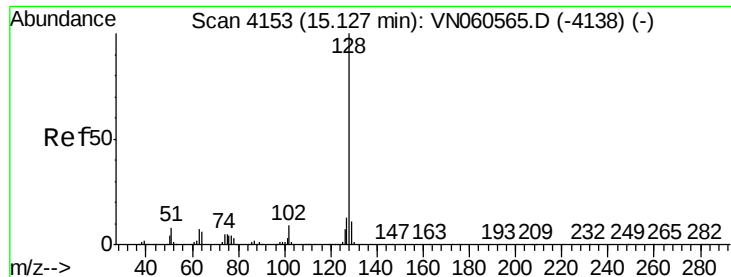
Ion Ratio Lower Upper

180 100

182 104.5 47.9 143.8

145 10.5 15.4 46.2#

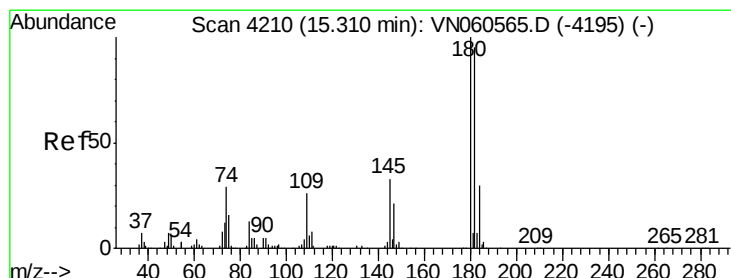
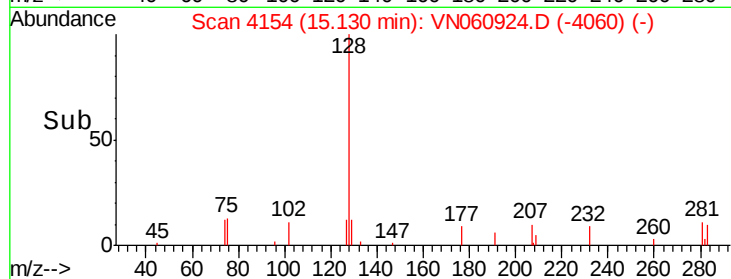
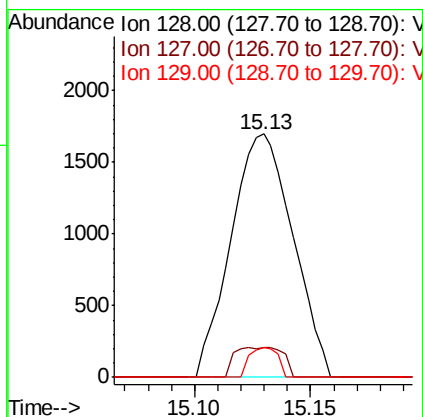
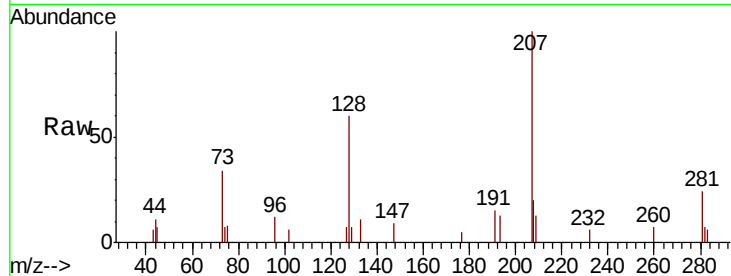




#95
Naphthalene
Concen: 0.612 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060924.D
Acq: 14 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampled :
VN0414WBL01

Tot Ion:128 Resp: 3141
Ion Ratio Lower Upper
128 100
127 9.6 10.2 15.2#
129 5.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.544 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060924.D
Acq: 14 Apr 2020 10:53

Tgt Ion:180 Resp: 914
Ion Ratio Lower Upper
180 100
182 88.8 47.5 142.6
145 18.2 16.3 48.8

