

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060951.D
 Acq On : 15 Apr 2020 11:01
 Operator : JC/MD
 Sample : VN0415WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:31:00 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	136341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	228905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	205315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	82387	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	90027	48.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.20%	
35) Dibromofluoromethane	7.56	113	67886	49.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.10%	
50) Toluene-d8	10.08	98	279292	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	98627	47.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.20%	

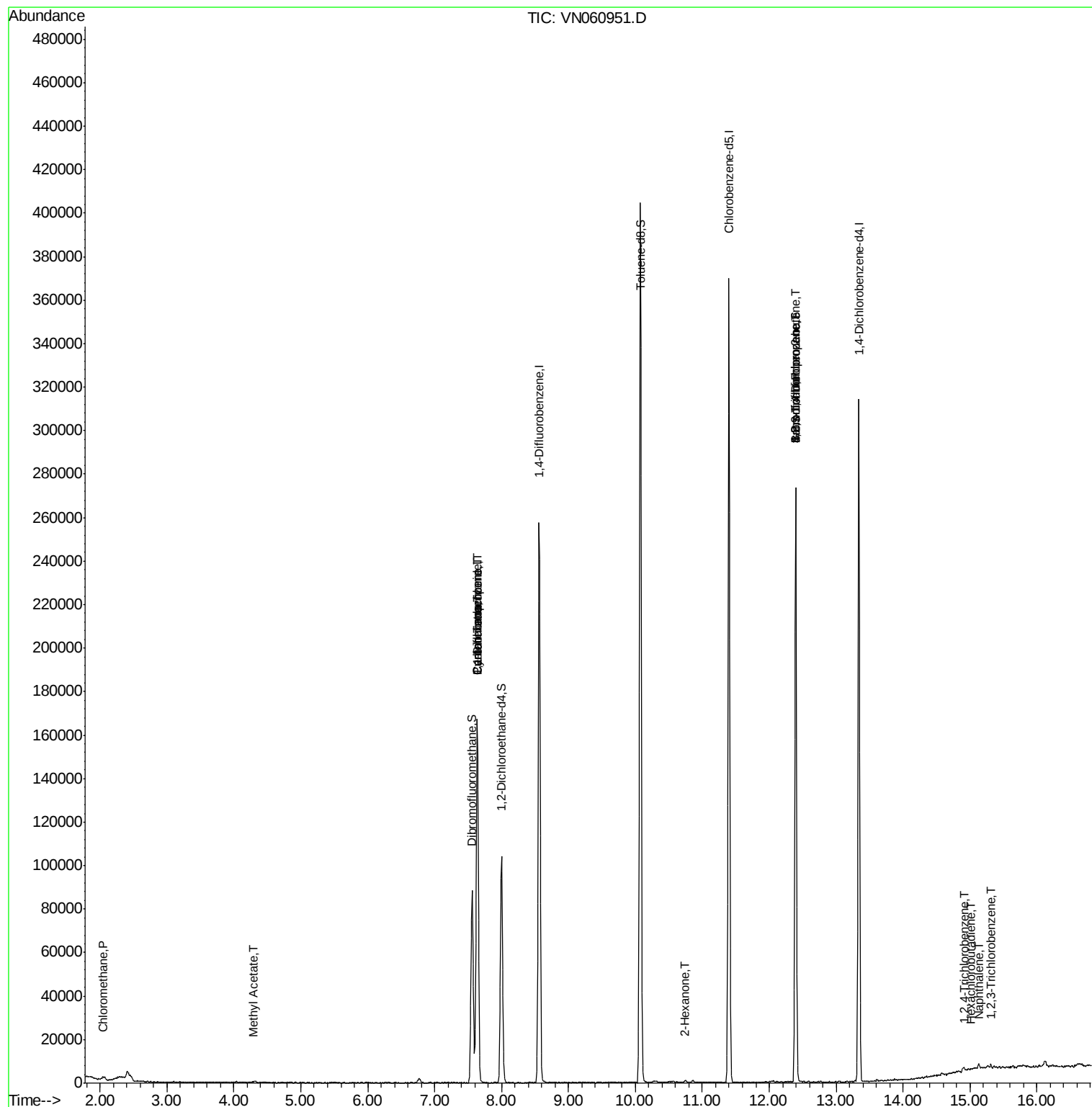
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1044	0.424	ug/l	90
18) Methyl Acetate	4.29	43	1448	0.776	ug/l #	54
31) Cyclohexane	7.64	56	2957	0.981	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11169	5.039	ug/l #	49
38) Carbon Tetrachloride	7.64	117	13288	6.689	ug/l #	15
59) 2-Hexanone	10.74	43	641	0.396	ug/l #	61
71) Bromoform	12.39	173	655	2.197	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	49766	27.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	49766	71.897	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	581	0.377	ug/l #	84
94) Hexachlorobutadiene	15.01	225	177	0.234	ug/l #	18
95) Naphthalene	15.13	128	3058	0.659	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	807	0.531	ug/l	85

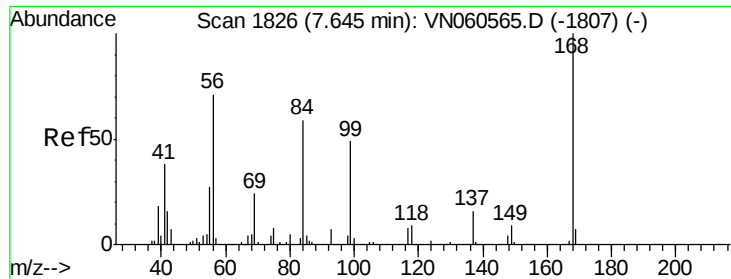
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060951.D

Acq: 15 Apr 2020 11:01

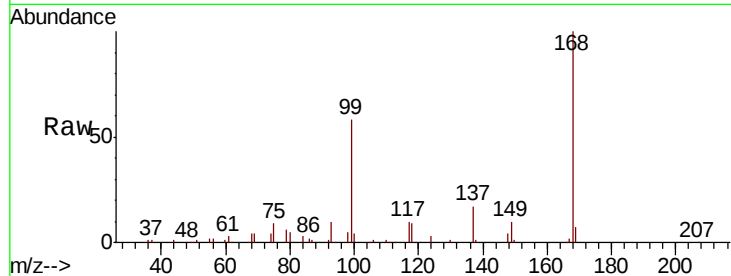
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 136341

Ion Ratio Lower Upper

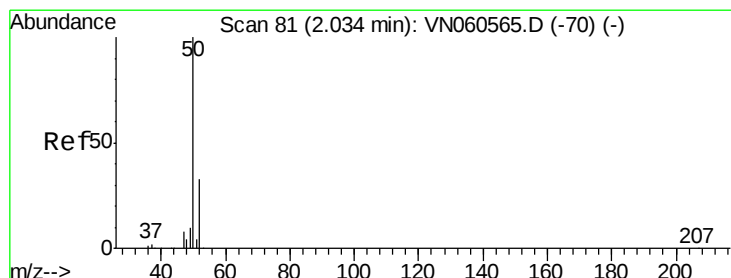
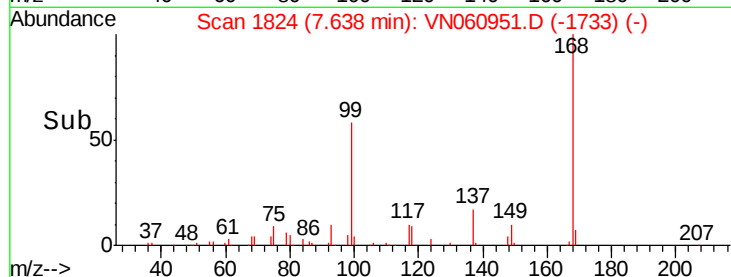
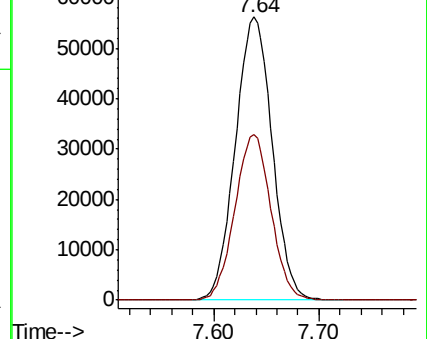
168 100

99 58.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.424 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060951.D

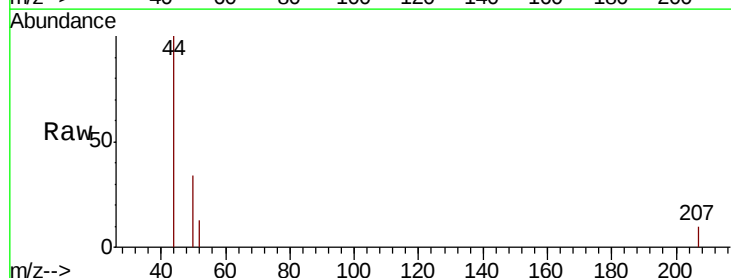
Acq: 15 Apr 2020 11:01

Tgt Ion: 50 Resp: 1044

Ion Ratio Lower Upper

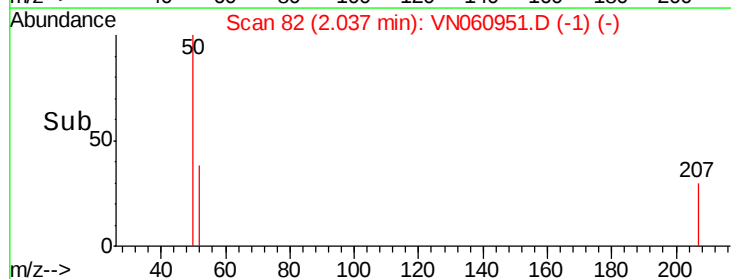
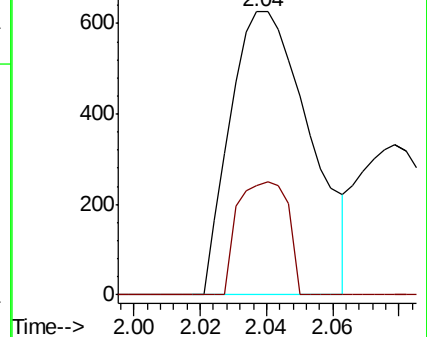
50 100

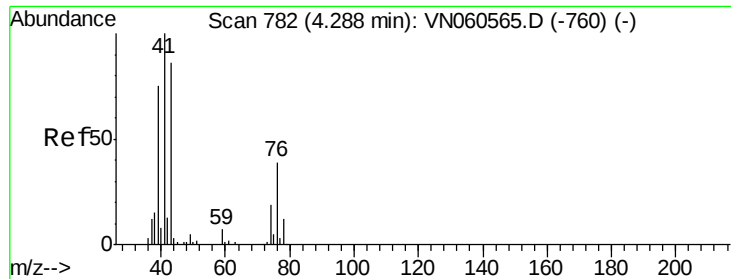
52 38.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

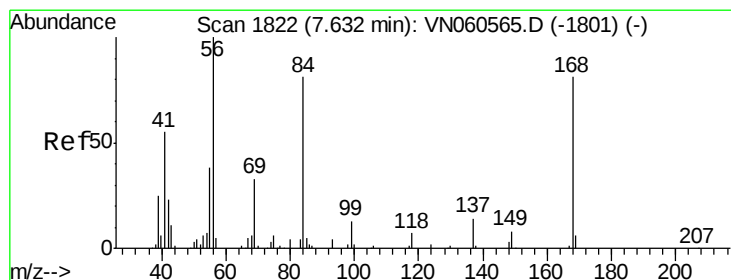
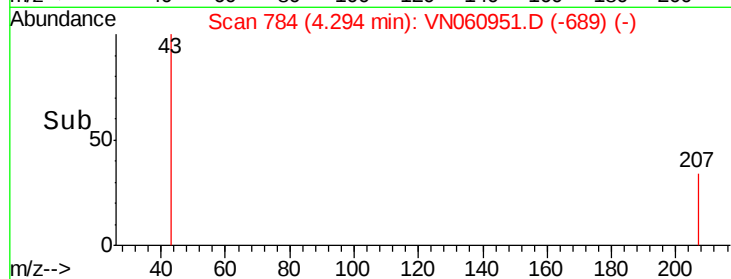
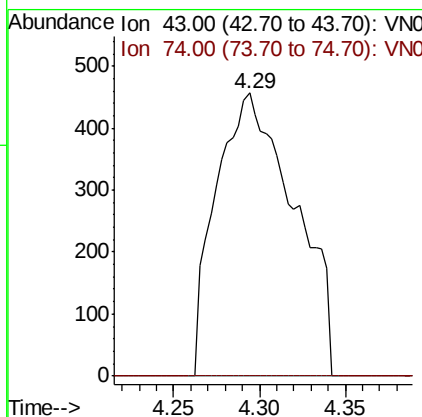
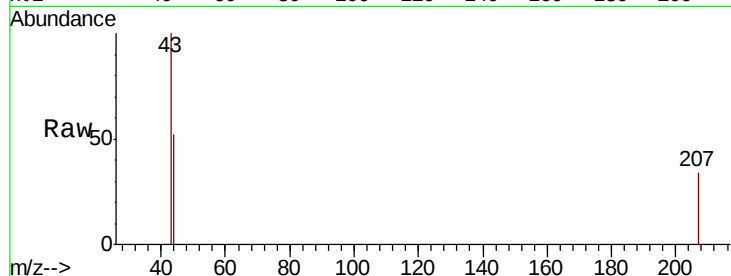




#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

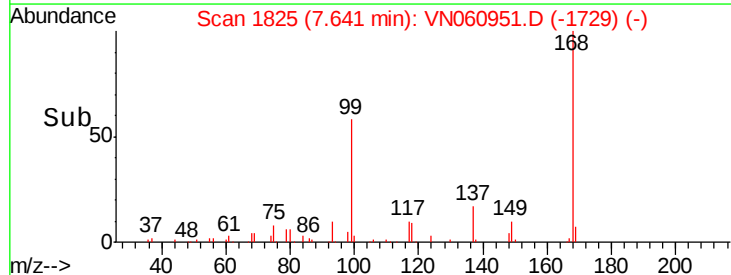
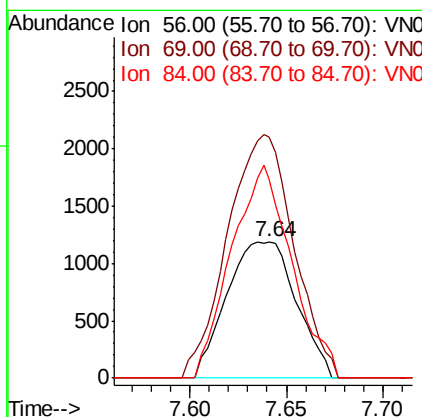
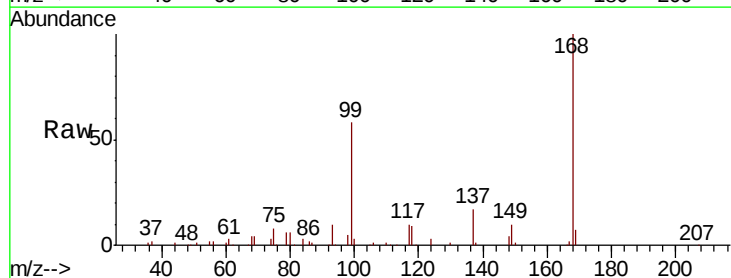
Instrument :
MSVOA_N
ClientSampled :

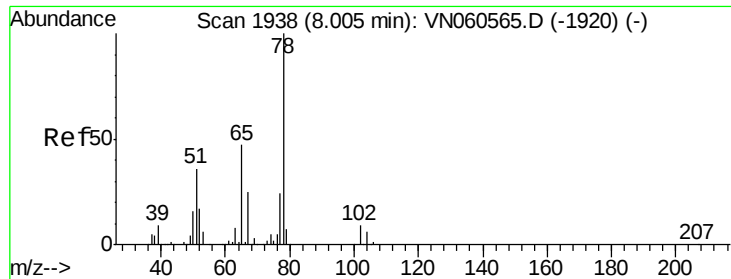
Tot Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.981 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

Tgt Ion: 56 Resp: 2957
Ion Ratio Lower Upper
56 100
69 176.7 26.6 40.0#
84 146.2 64.3 96.5#

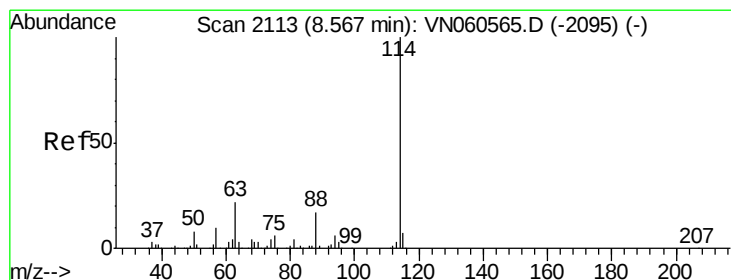
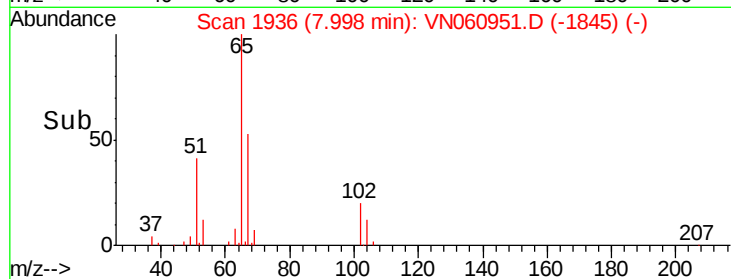
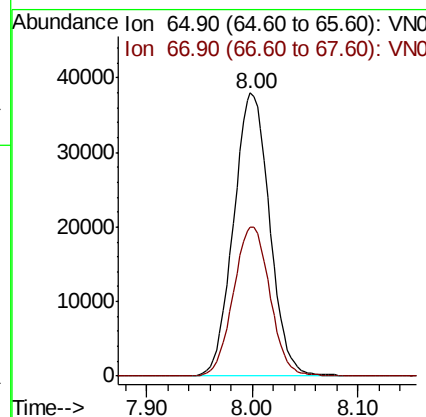
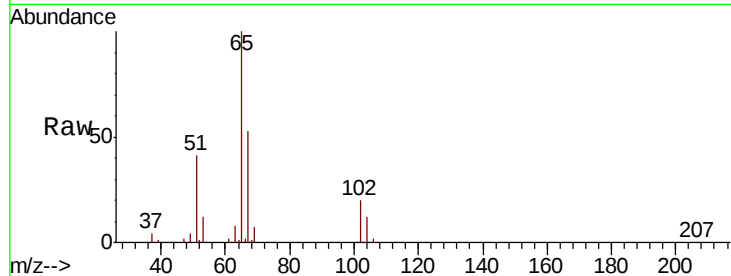




#33
 1,2-Dichloroethane-d4
 Concen: 48.100 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060951.D
 Acq: 15 Apr 2020 11:01

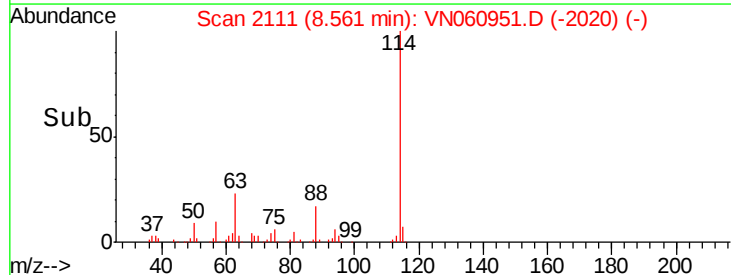
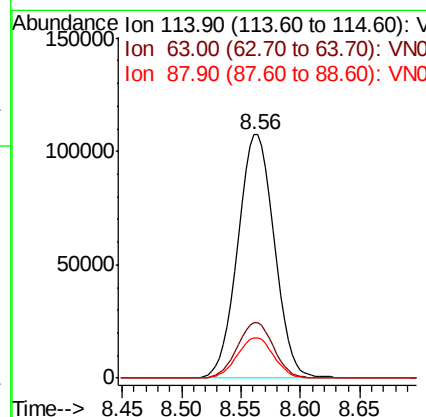
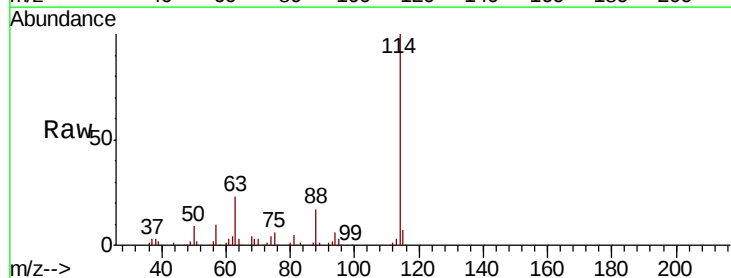
Instrument :
 MSVOA_N
 ClientSampleId :

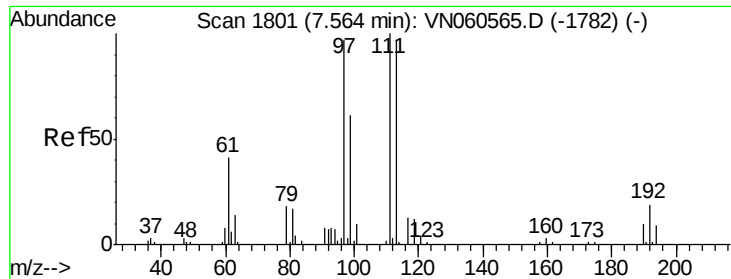
Tot Ion: 65 Resp: 90027
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: VN060951.D
 Acq: 15 Apr 2020 11:01

Tgt Ion: 114 Resp: 228905
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.8
 88 16.7 0.0 33.0

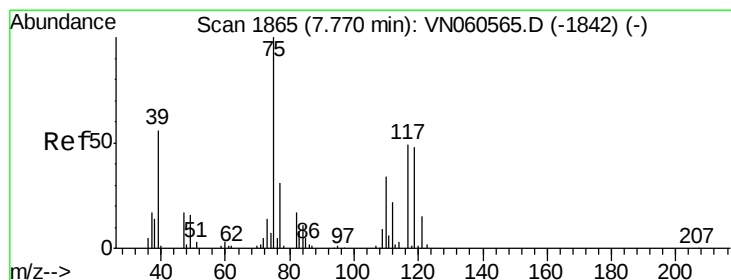
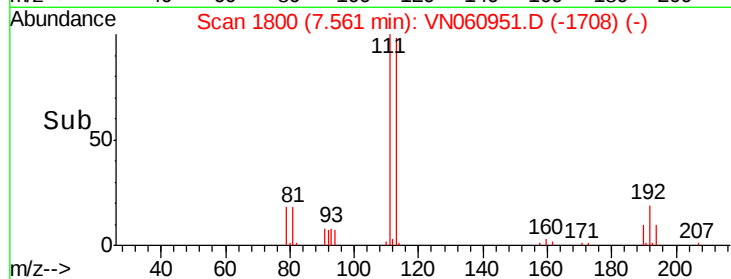
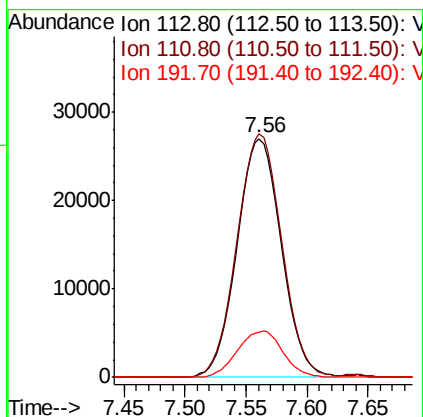
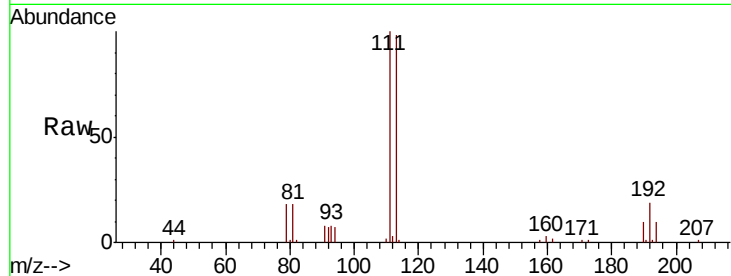




#35
 Dibromofluoromethane
 Concen: 49.046 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060951.D
 Acq: 15 Apr 2020 11:01

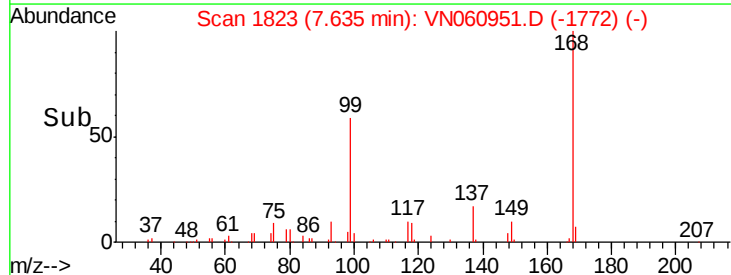
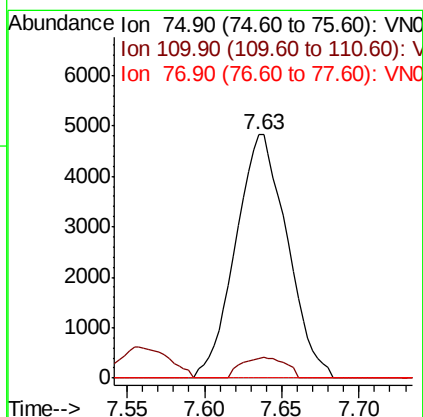
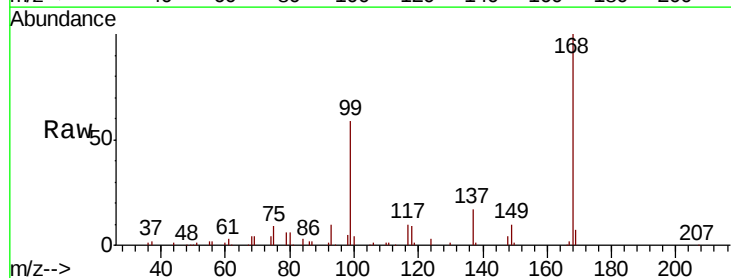
Instrument :
 MSVOA_N
 ClientSampled :

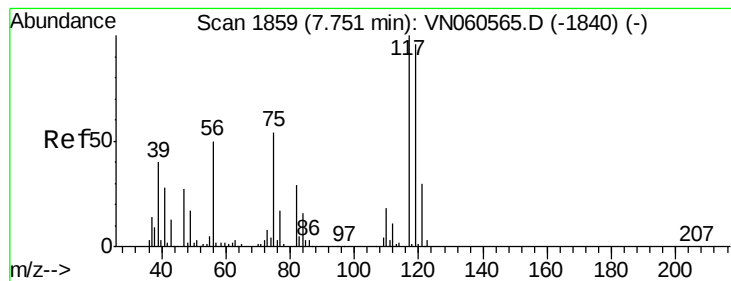
Tot Ion:113 Resp: 67886
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.63 min Scan# 1823
 Delta R.T. -0.14 min
 Lab File: VN060951.D
 Acq: 15 Apr 2020 11:01

Tgt Ion: 75 Resp: 11169
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060951.D

Acq: 15 Apr 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

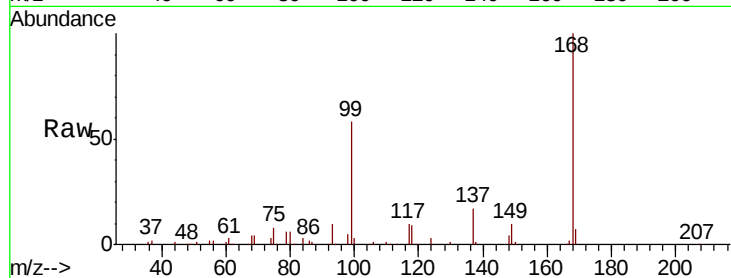
Tot Ion:117 Resp: 13288

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.2#

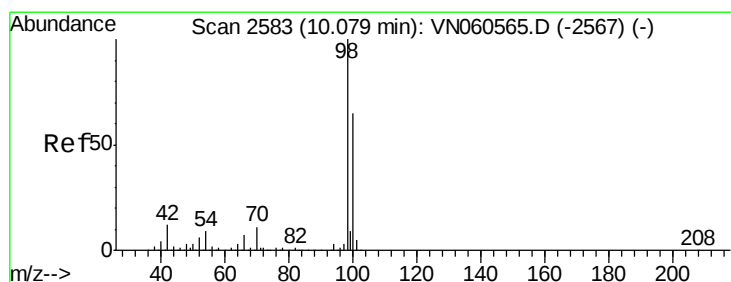
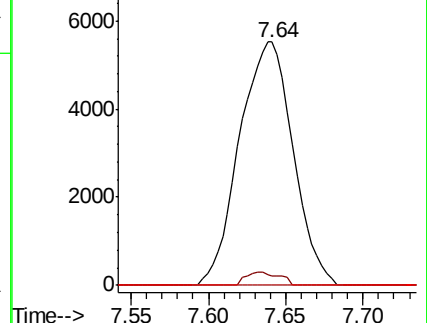
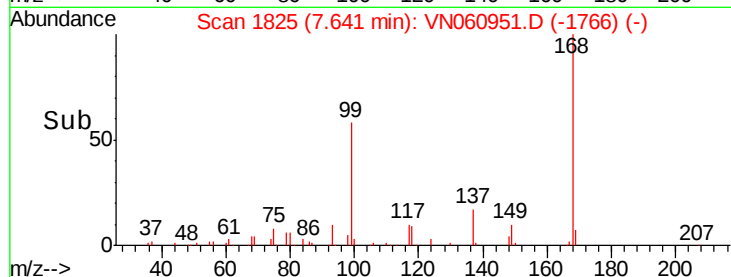
121 0.0 23.7 35.5#



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: 49.401 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060951.D

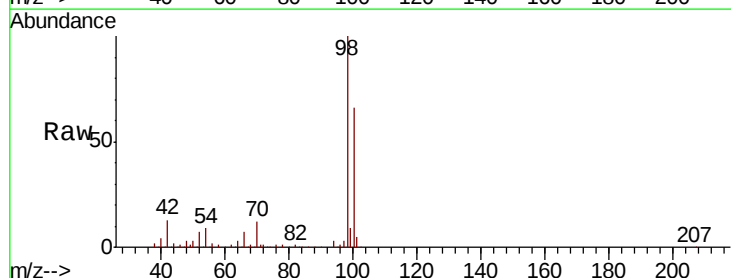
Acq: 15 Apr 2020 11:01

Tgt Ion: 98 Resp: 279292

Ion Ratio Lower Upper

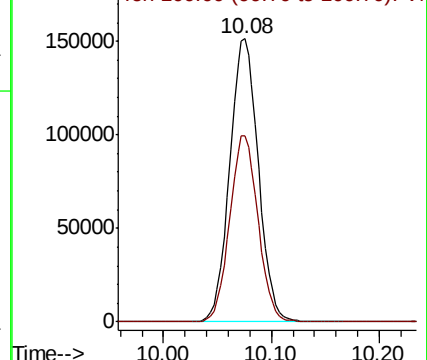
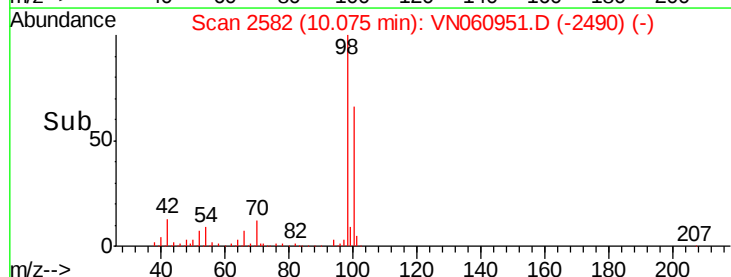
98 100

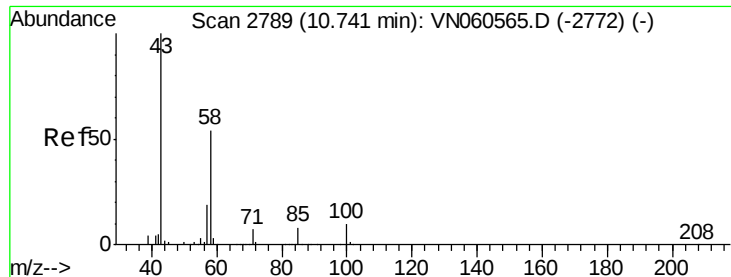
100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

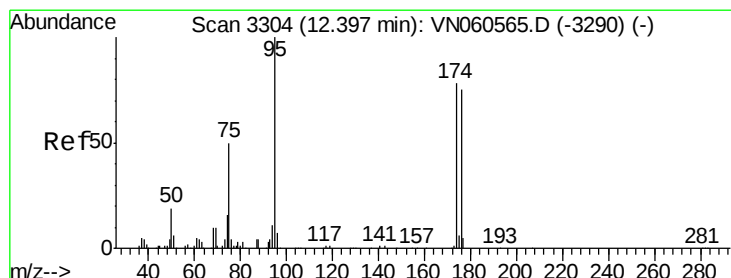
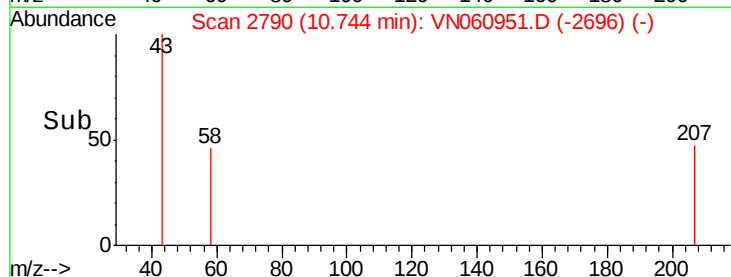
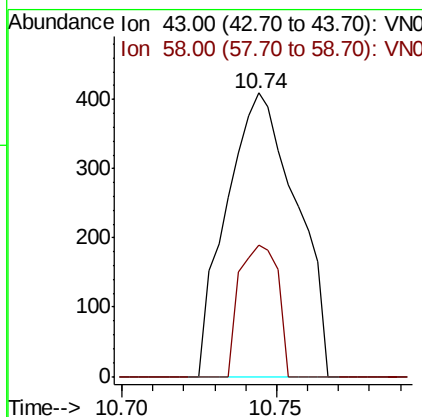
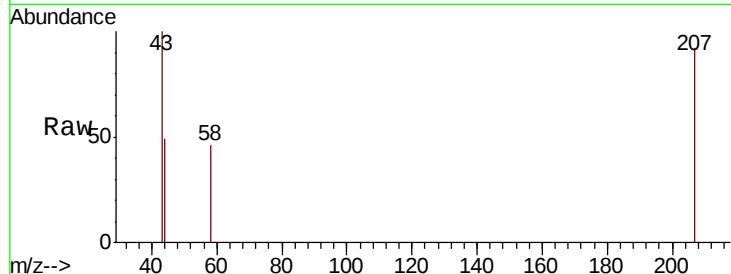




#59
2-Hexanone
Concen: 0.396 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

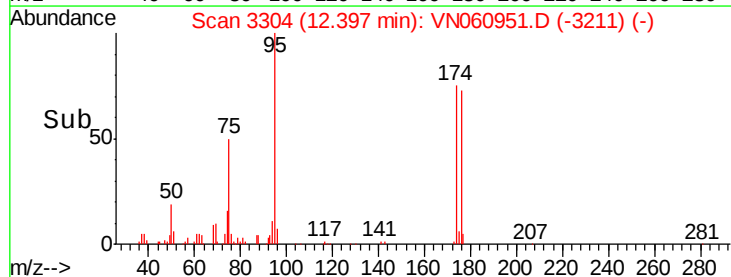
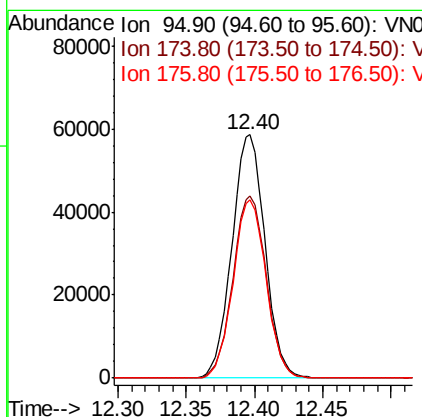
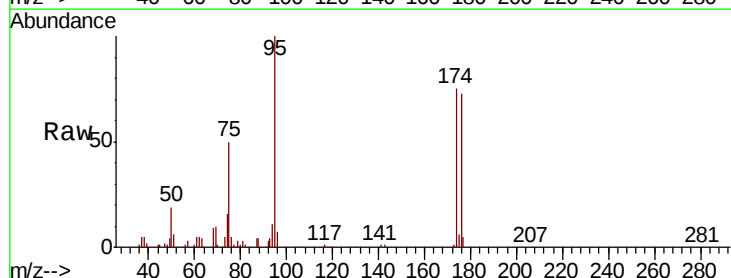
Instrument :
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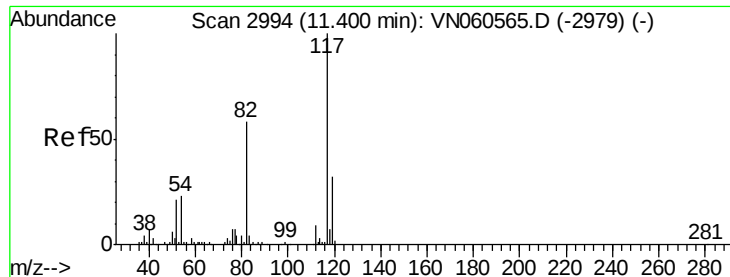
Tot Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
58 25.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 47.601 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

Tgt Ion: 95 Resp: 98627
Ion Ratio Lower Upper
95 100
174 75.4 0.0 157.6
176 73.1 0.0 150.6

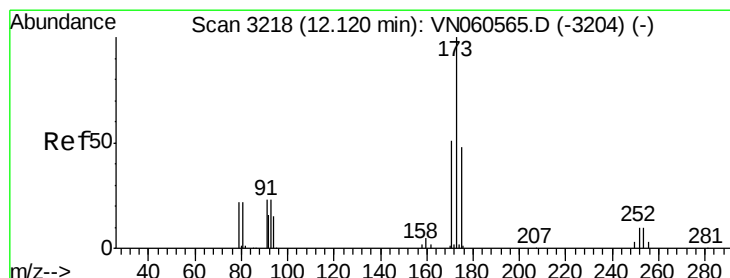
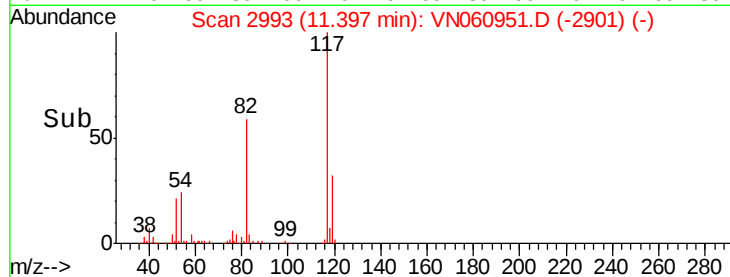
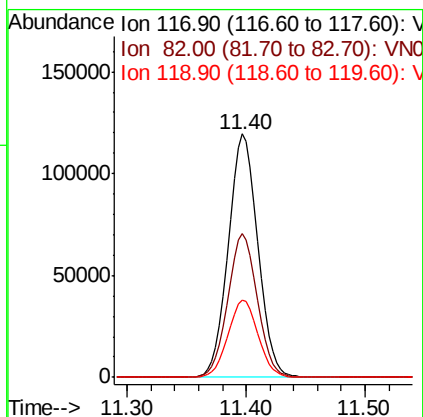
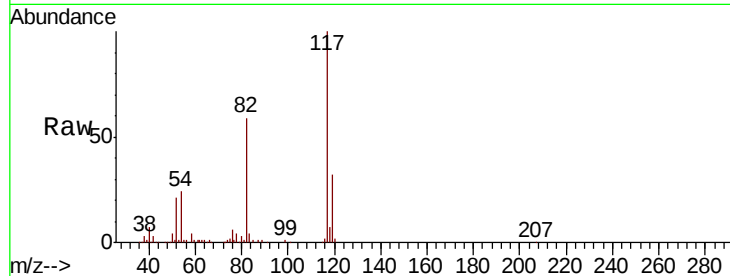




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

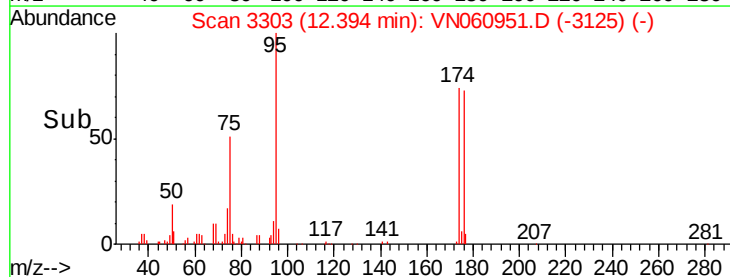
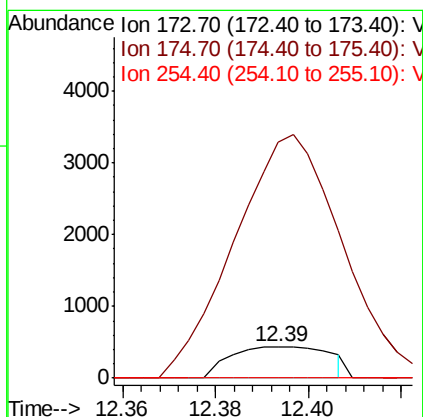
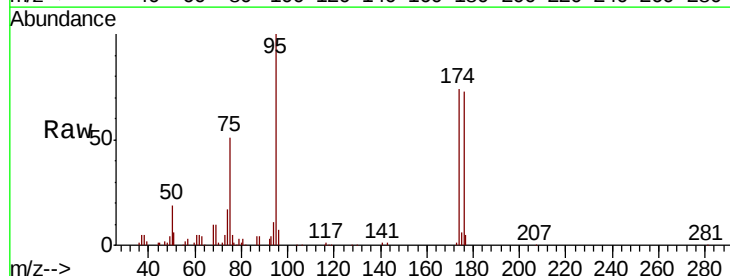
Instrument :
MSVOA_N
ClientSampled :

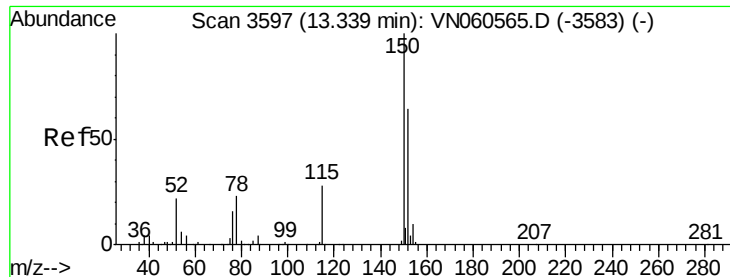
Tot Ion:117 Resp: 205315
Ion Ratio Lower Upper
117 100
82 59.0 46.7 70.1
119 31.8 25.5 38.3



#71
Bromoform
Concen: 2.197 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

Tgt Ion:173 Resp: 655
Ion Ratio Lower Upper
173 100
175 728.2 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: VN060951.D

Acq: 15 Apr 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

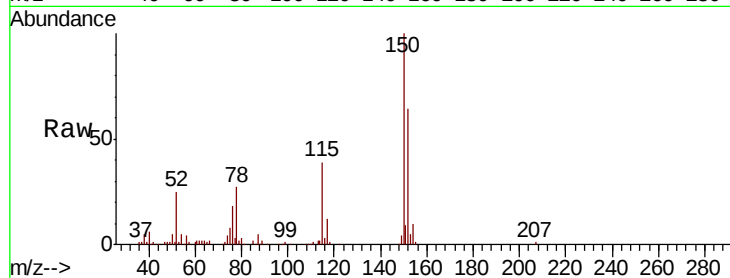
Tot Ion:152 Resp: 82387

Ion Ratio Lower Upper

152 100

115 60.7 30.2 90.6

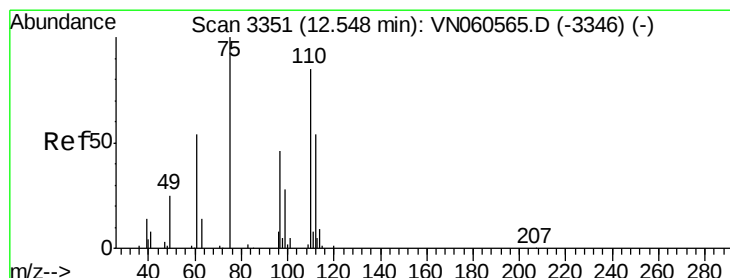
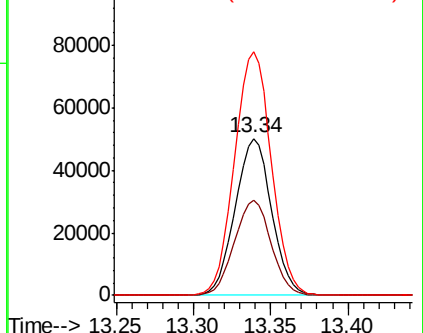
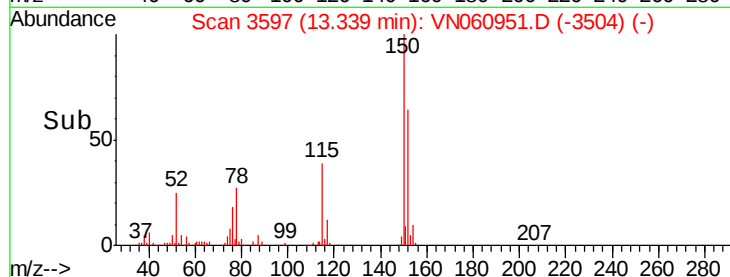
150 156.5 0.0 350.2



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: 27.994 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060951.D

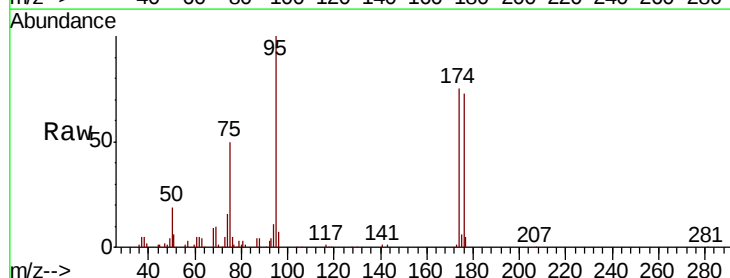
Acq: 15 Apr 2020 11:01

Tgt Ion: 75 Resp: 49766

Ion Ratio Lower Upper

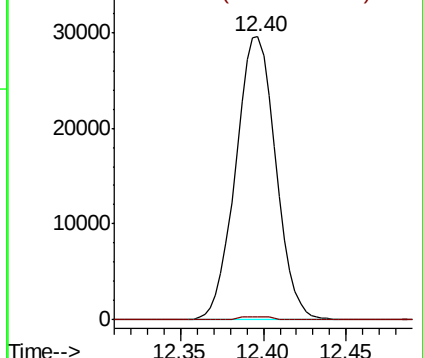
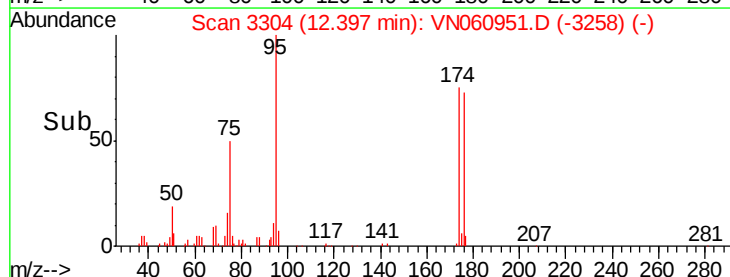
75 100

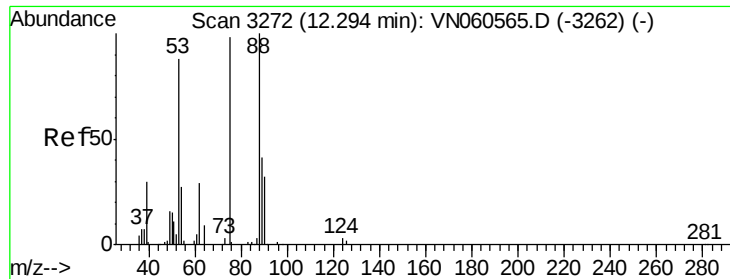
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

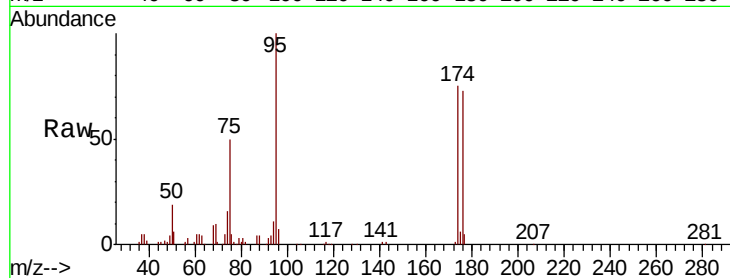




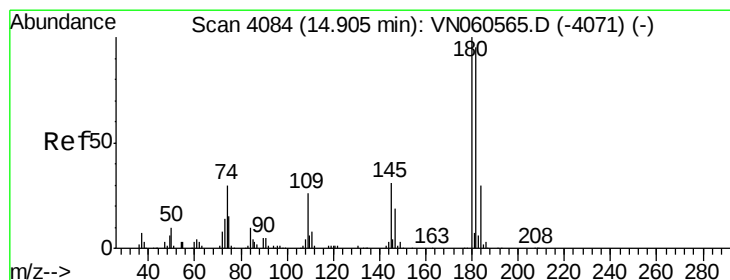
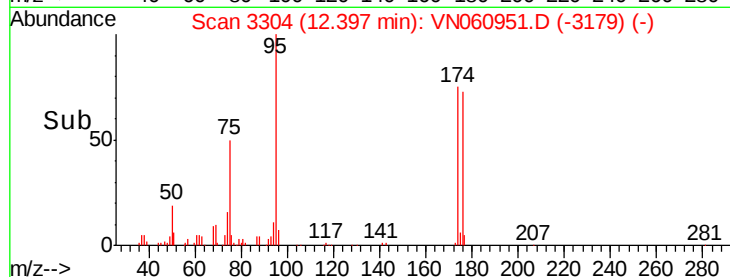
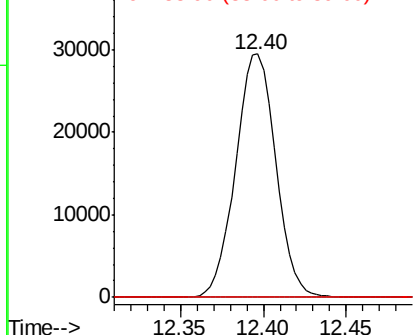
#81
trans-1,4-Dichloro-2-butene
Concen: 71.897 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 49766
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#

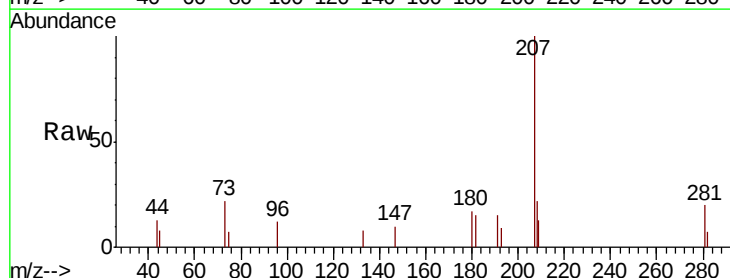


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

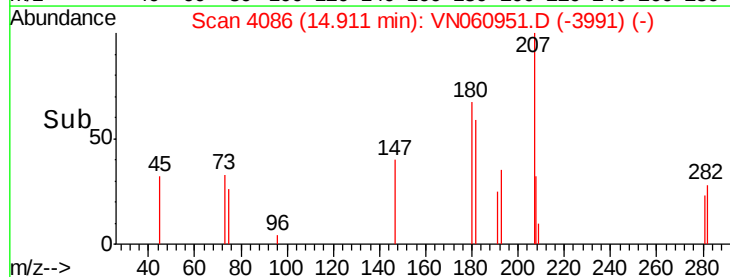
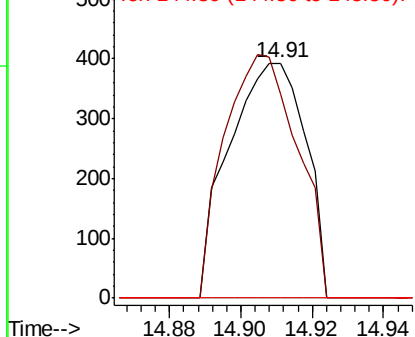


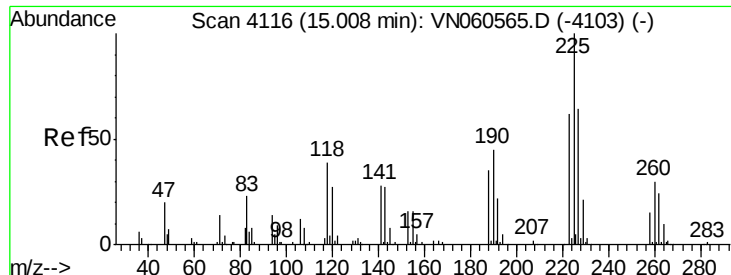
#93
1,2,4-Trichlorobenzene
Concen: 0.377 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.01 min
Lab File: VN060951.D
Acq: 15 Apr 2020 11:01

Tgt Ion:180 Resp: 581
Ion Ratio Lower Upper
180 100
182 99.0 47.9 143.8
145 0.0 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: 0.234 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060951.D

Acq: 15 Apr 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

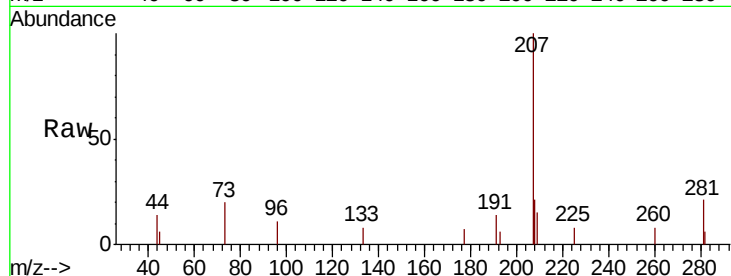
Tot Ion:225 Resp: 177

Ion Ratio Lower Upper

225 100

223 0.0 31.6 95.0#

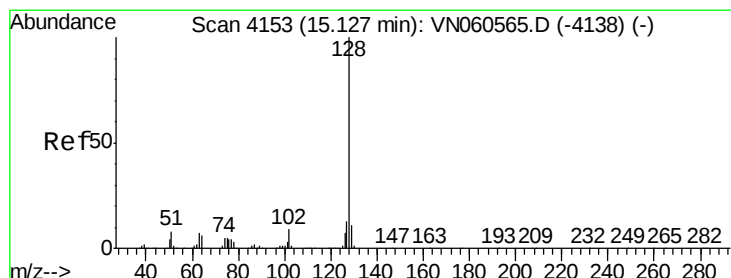
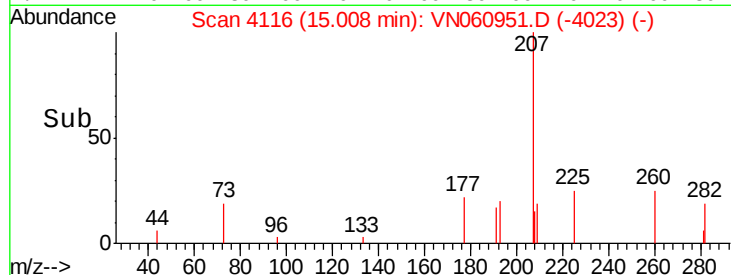
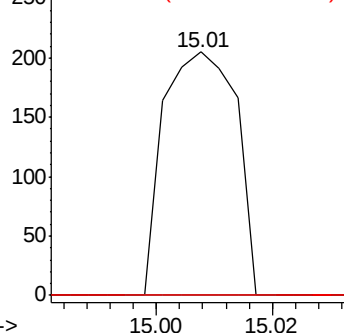
227 0.0 32.3 96.8#



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: 0.659 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060951.D

Acq: 15 Apr 2020 11:01

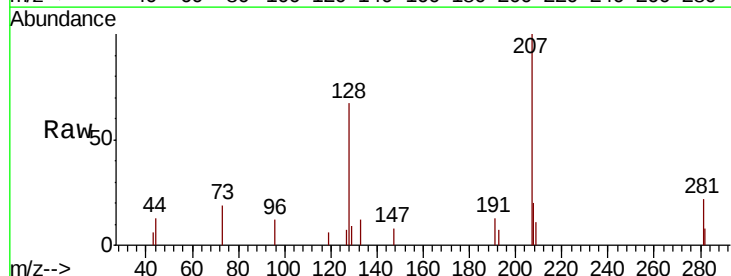
Tgt Ion:128 Resp: 3058

Ion Ratio Lower Upper

128 100

127 8.0 10.2 15.2#

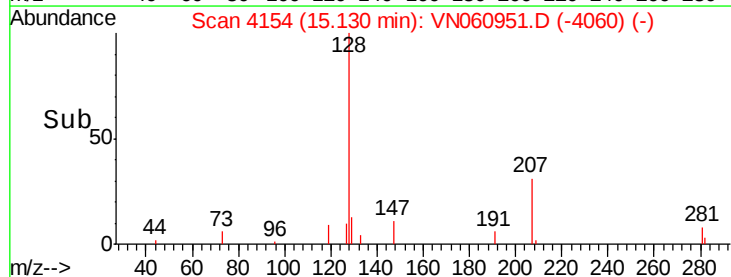
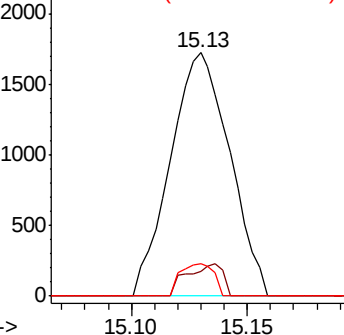
129 7.5 8.8 13.2#

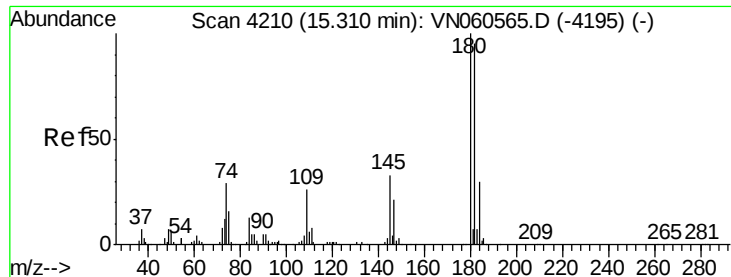


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.531 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060951.D
 Acq: 15 Apr 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.5	47.5	142.6
145	19.2	16.3	48.8

