

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060778.D
 Acq On : 31 Mar 2020 11:55
 Operator : JC/MD
 Sample : VN0331WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:21:46 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	187770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120389	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	7.56	113	93313	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	378045	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	132641	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds

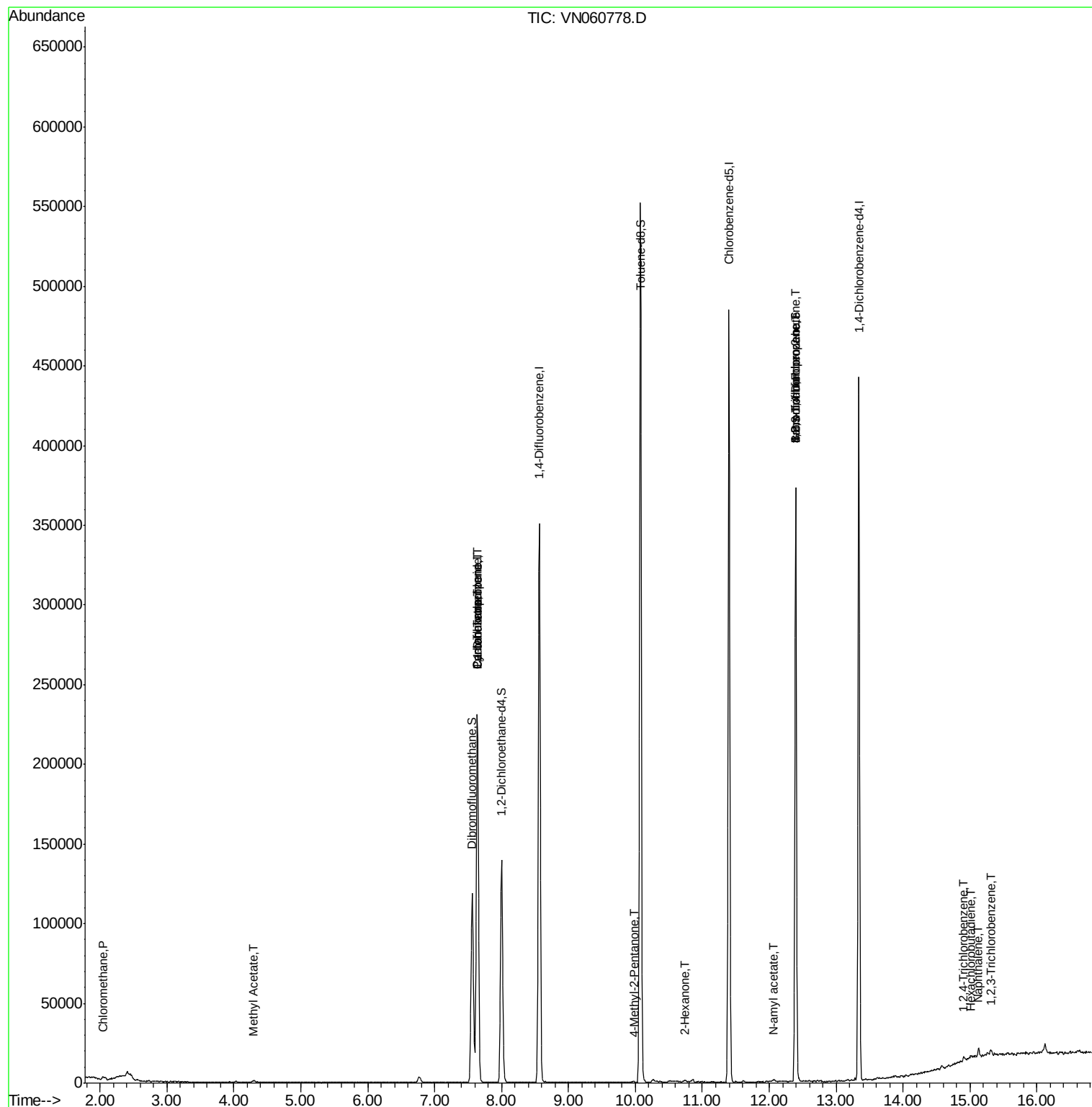
						Qvalue
3) Chloromethane	2.04	50	1530	0.451	ug/l	95
18) Methyl Acetate	4.29	43	2994	1.165	ug/l #	77
31) Cyclohexane	7.64	56	4044	0.974	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14580	4.828	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18156	6.709	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	678	0.221	ug/l #	37
59) 2-Hexanone	10.75	43	1105	0.501	ug/l	68
71) Bromoform	12.39	173	101	1.739	ug/l #	1
74) N-amyl acetate	12.06	43	845	0.211	ug/l #	56
76) 1,2,3-Trichloropropane	12.39	75	68226	27.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	68226	70.277	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	96	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.91	180	984	0.455	ug/l #	89
94) Hexachlorobutadiene	15.01	225	230	0.217	ug/l #	63
95) Naphthalene	15.13	128	4973	0.764	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1392	0.653	ug/l	96

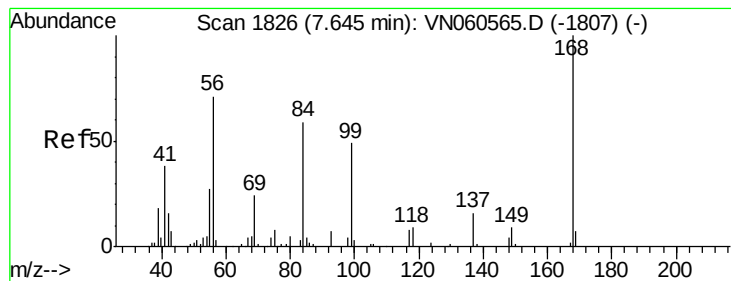
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033120\
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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

Quant Time: Apr 01 08:21:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

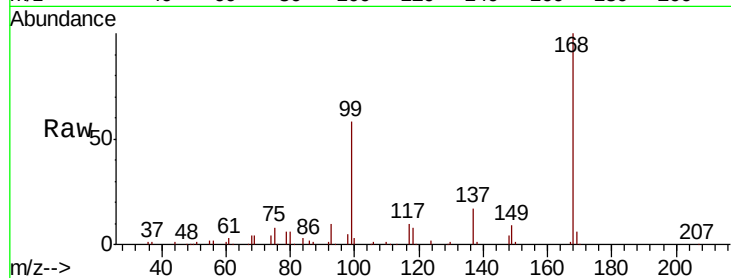
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 187770

Ion Ratio Lower Upper

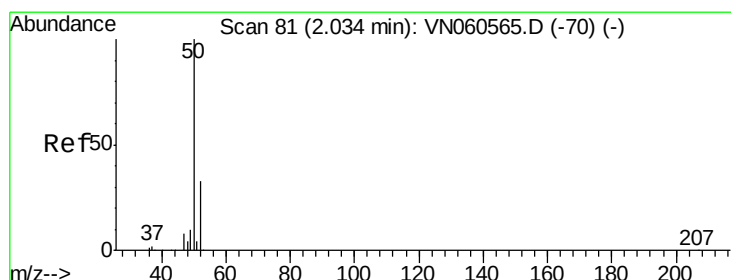
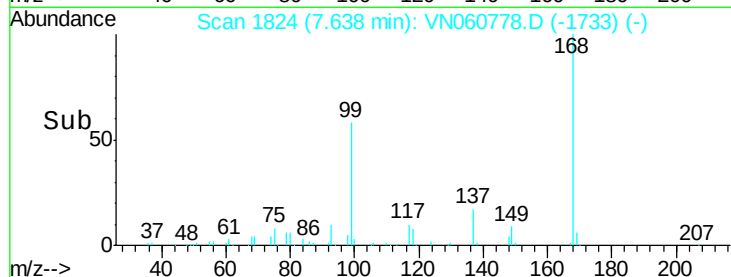
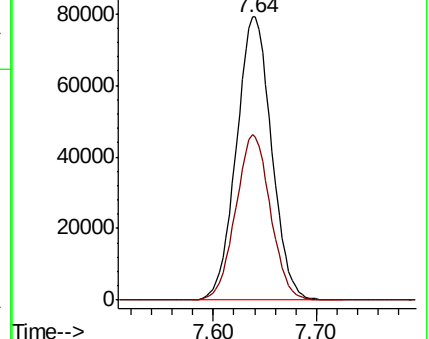
168 100

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): VN



#3

Chloromethane

Concen: 0.451 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060778.D

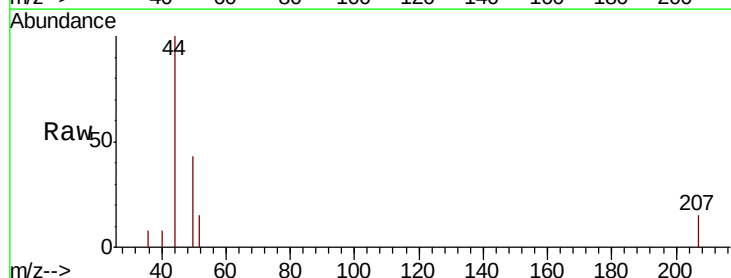
Acq: 31 Mar 2020 11:55

Tgt Ion: 50 Resp: 1530

Ion Ratio Lower Upper

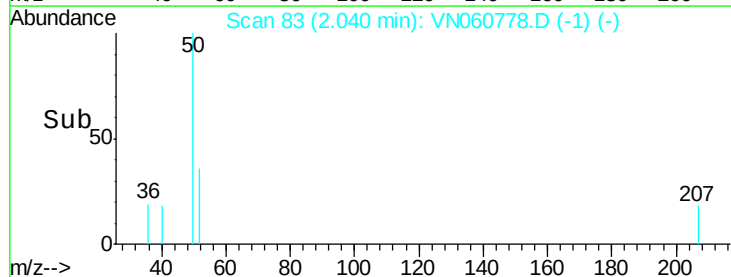
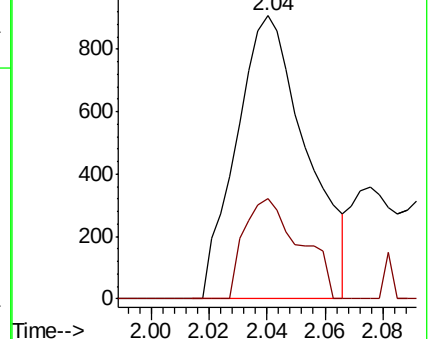
50 100

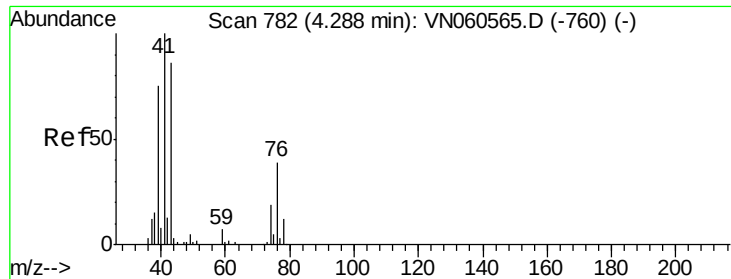
52 35.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

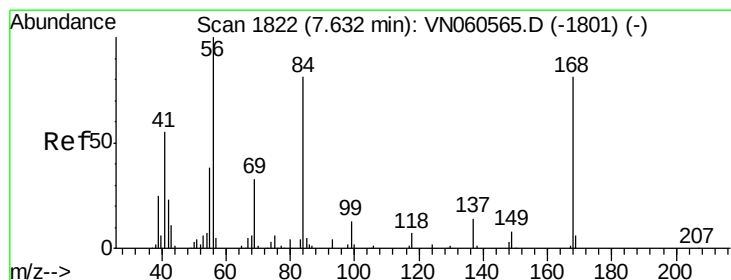
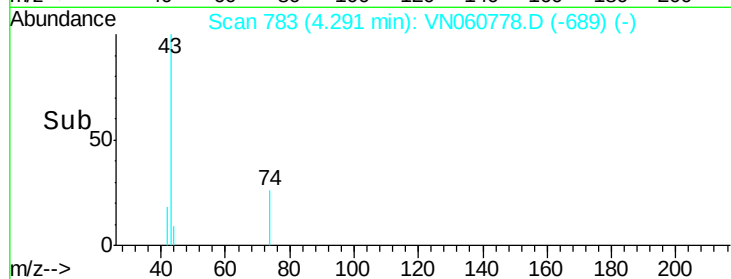
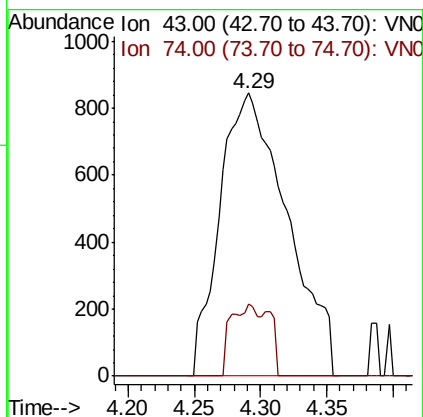
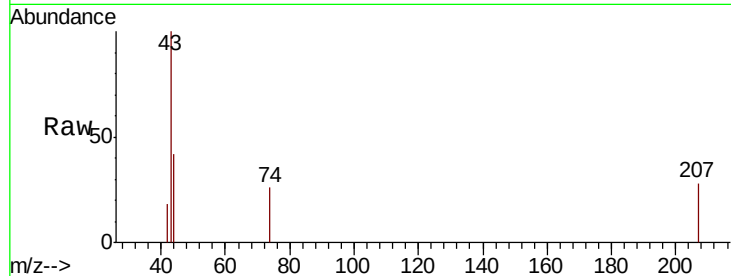




#18
Methvl Acetate
Concen: 1.165 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

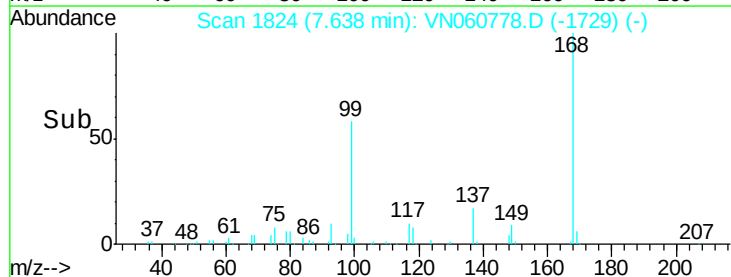
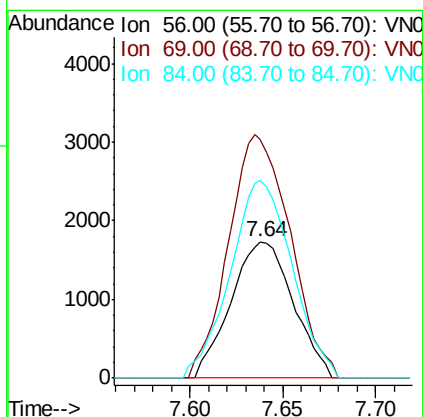
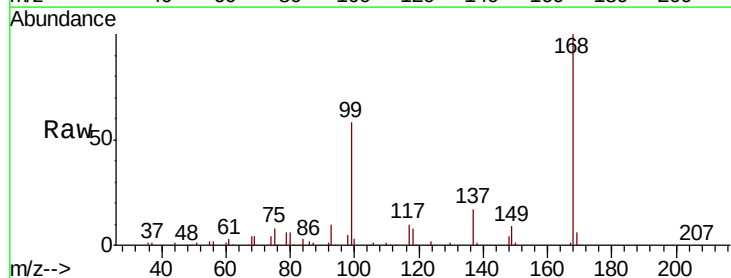
Instrument :
MSVOA_N
ClientSampleId :

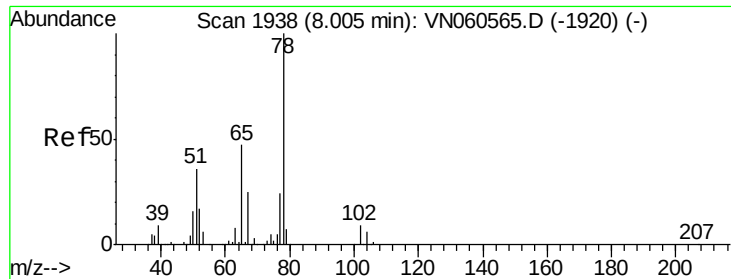
Tot Ion: 43 Resp: 2994
Ion Ratio Lower Upper
43 100
74 10.8 17.5 26.3#



#31
Cyclohexane
Concen: 0.974 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

Tgt Ion: 56 Resp: 4044
Ion Ratio Lower Upper
56 100
69 174.7 26.6 40.0#
84 145.2 64.3 96.5#

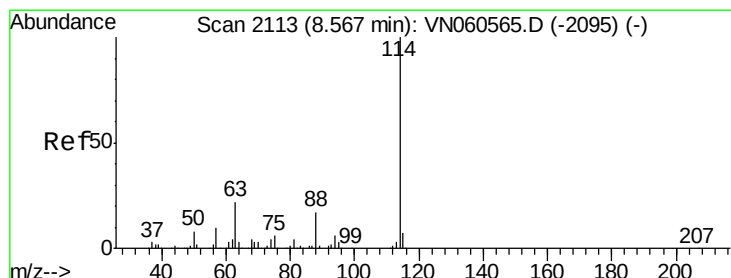
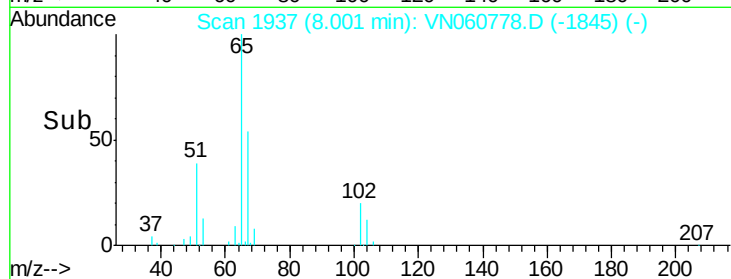
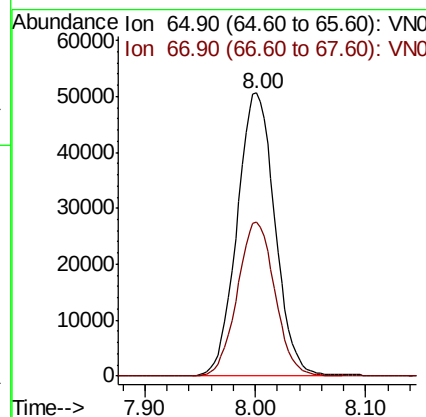
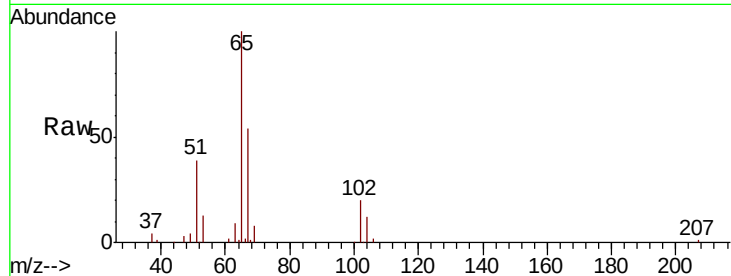




#33
 1,2-Dichloroethane-d4
 Concen: 46.705 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060778.D
 Acq: 31 Mar 2020 11:55

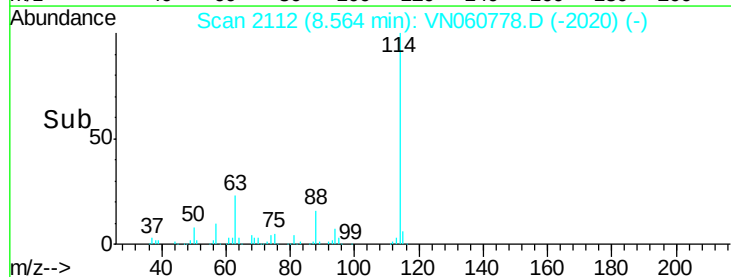
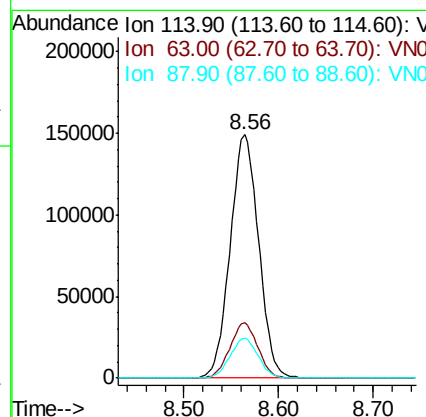
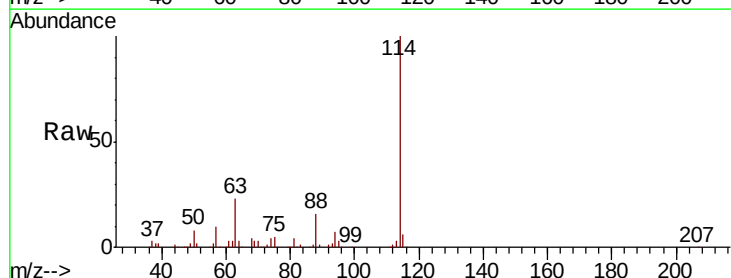
Instrument :
 MSVOA_N
 ClientSampled :

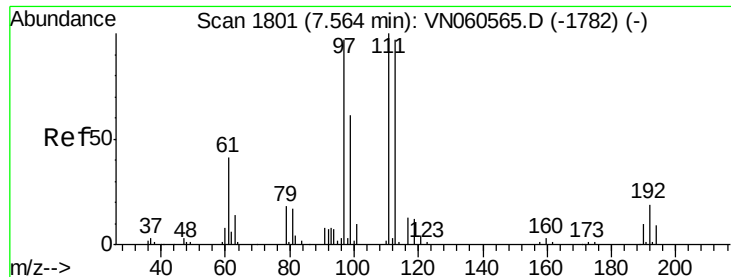
Tot Ion: 65 Resp: 120389
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060778.D
 Acq: 31 Mar 2020 11:55

Tgt Ion: 114 Resp: 311840
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.4 0.0 33.0

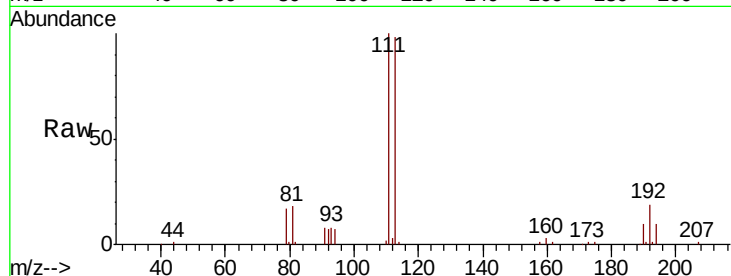




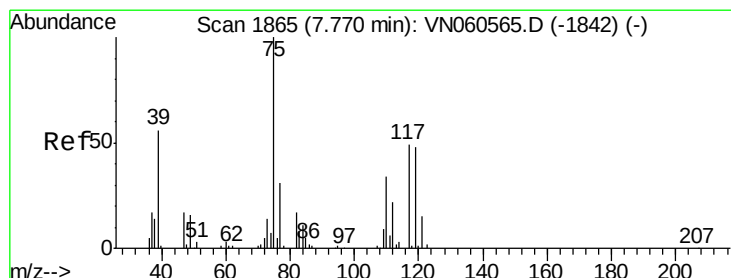
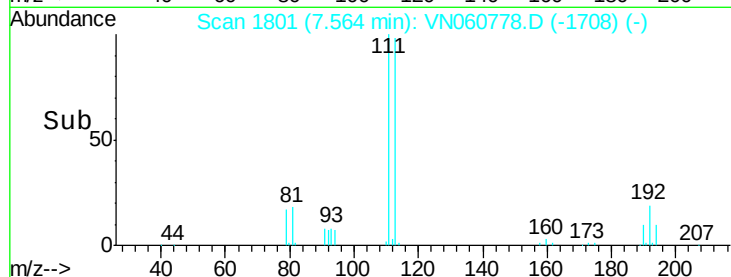
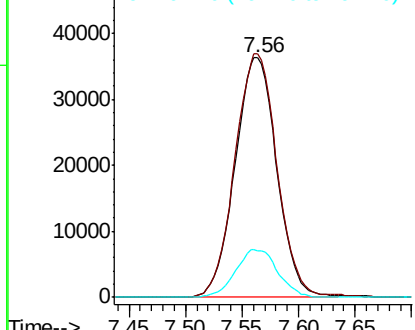
#35
 Dibromofluoromethane
 Concen: 49.487 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060778.D
 Acq: 31 Mar 2020 11:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 93313
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 20.0 15.8 23.8

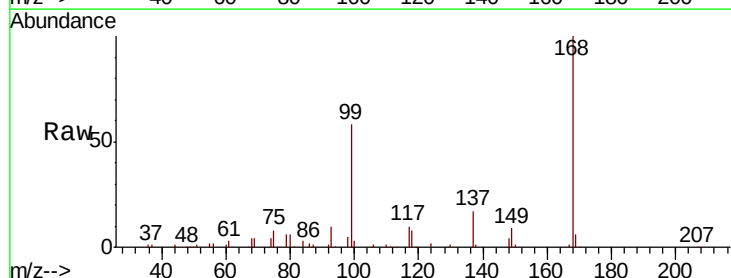


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

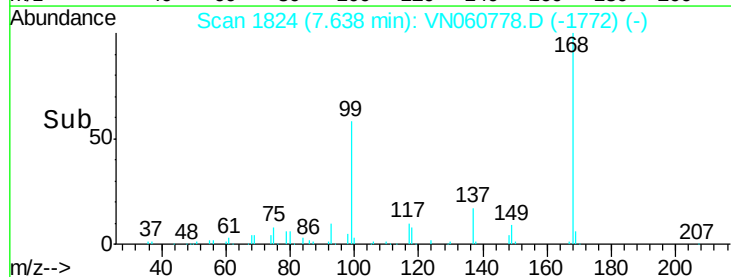
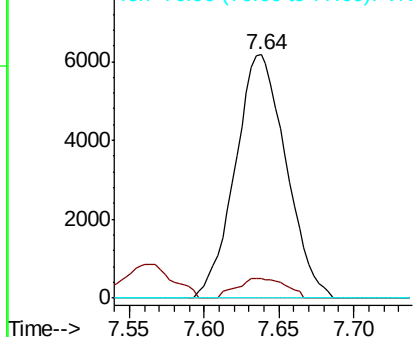


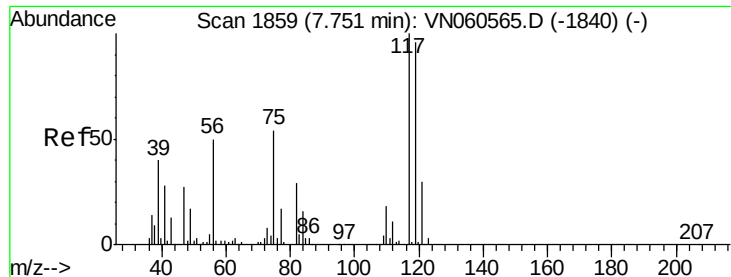
#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060778.D
 Acq: 31 Mar 2020 11:55

Tgt Ion: 75 Resp: 14580
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

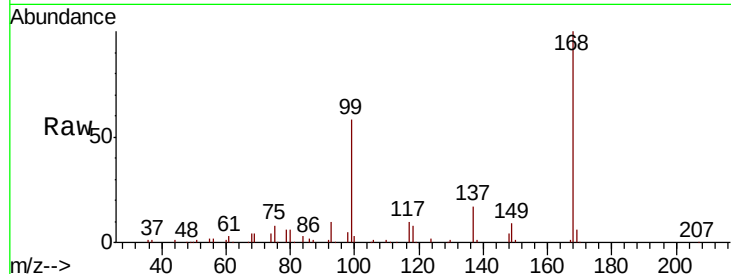




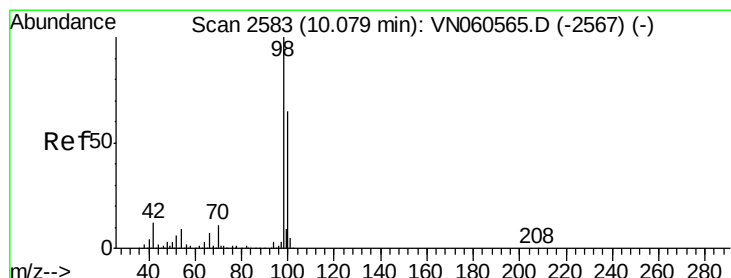
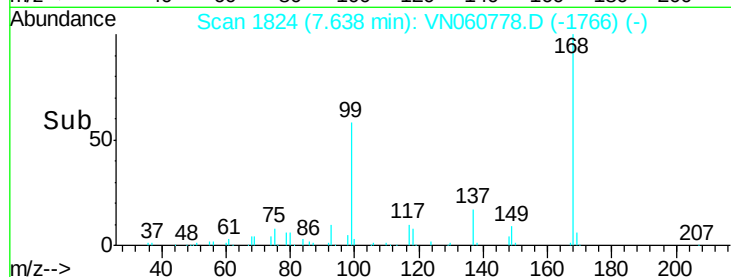
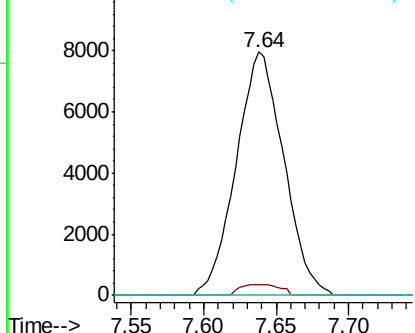
#38
Carbon Tetrachloride
Concen: 6.709 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 18156
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 23.7 35.5#

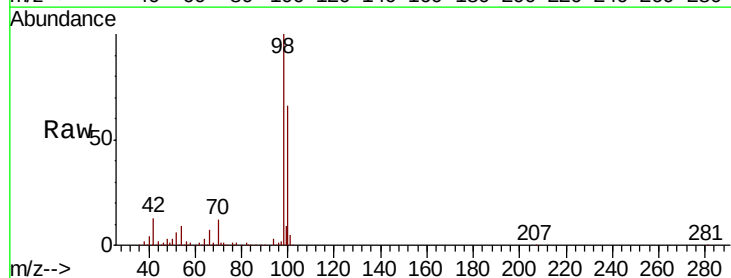


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

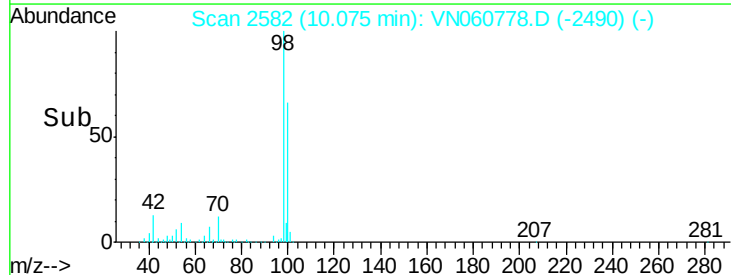
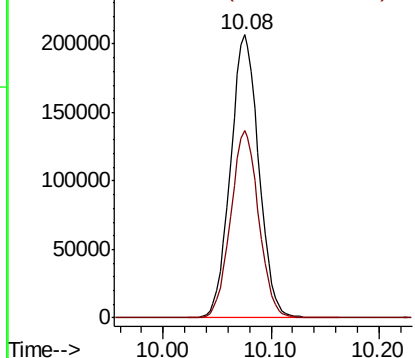


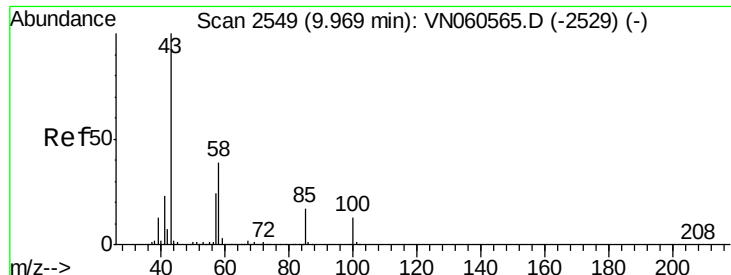
#50
Toluene-d8
Concen: 49.084 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

Tgt Ion: 98 Resp: 378045
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.8



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

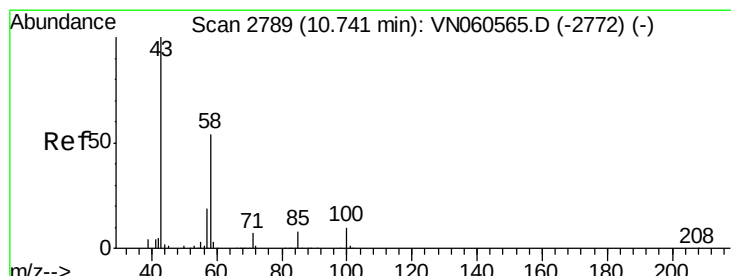
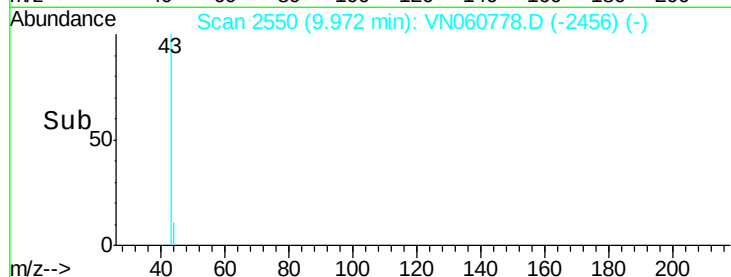
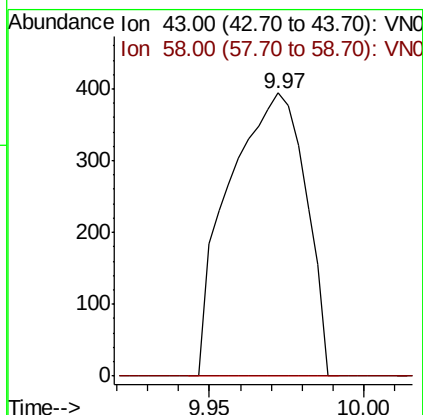
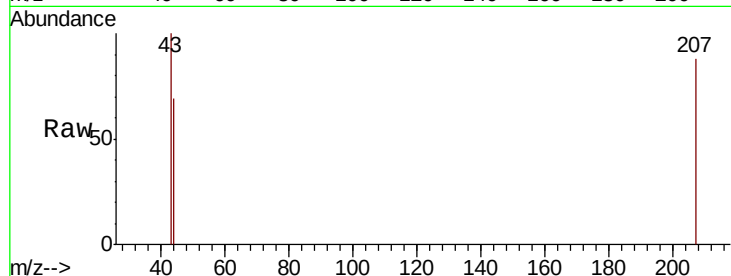




#51
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

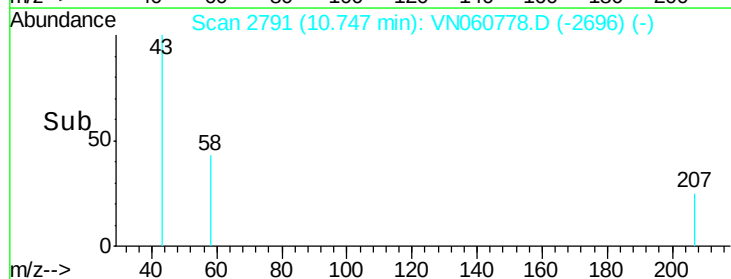
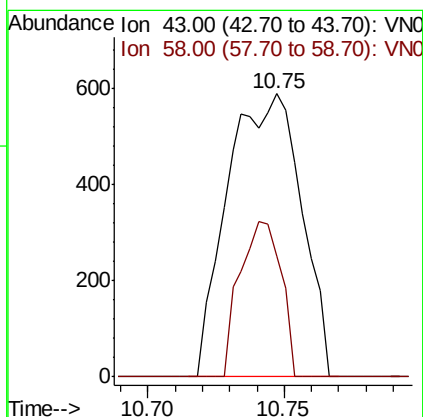
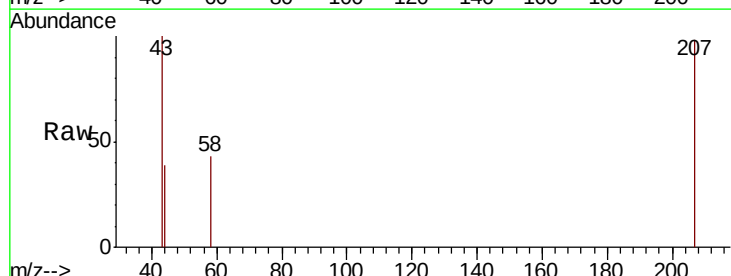
Instrument :
MSVOA_N
ClientSampled :

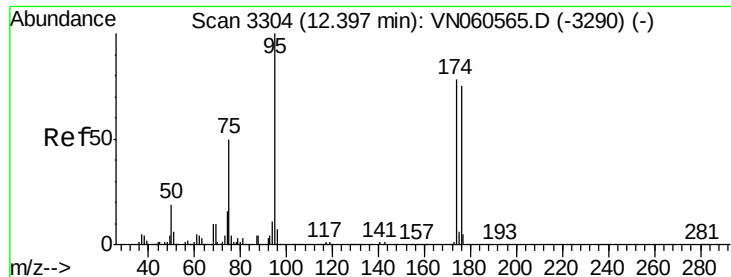
Tot Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#



#59
2-Hexanone
Concen: 0.501 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.01 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 30.5 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 46.992 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

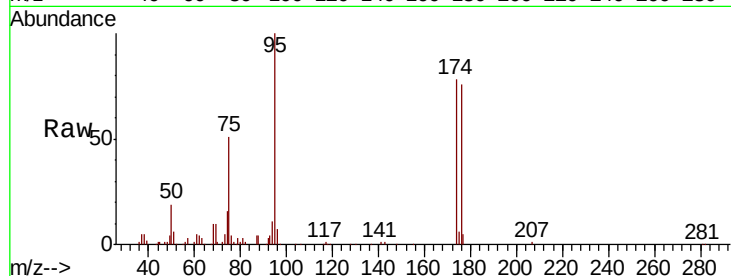
Tot Ion: 95 Resp: 132641

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

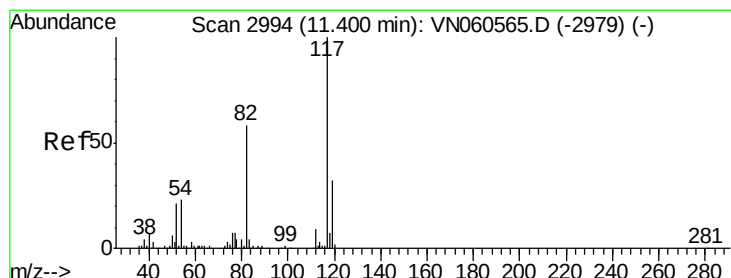
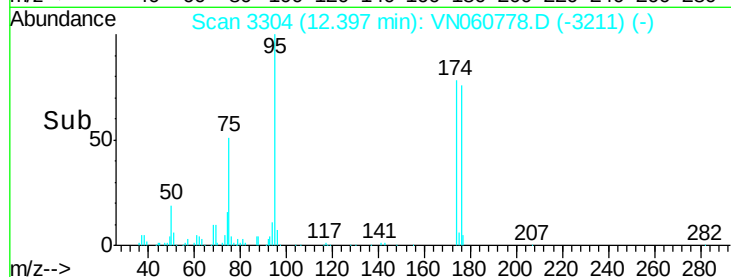
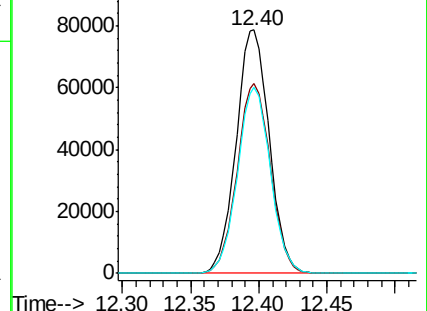
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060778.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060778.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060778.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

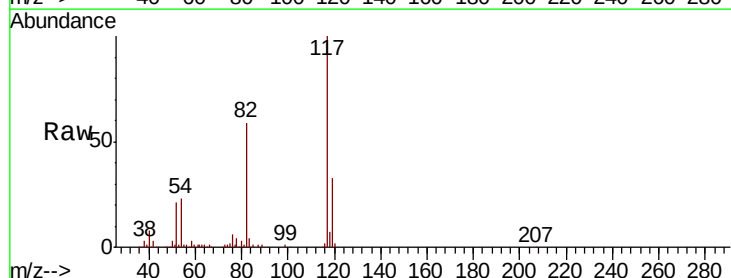
Tgt Ion: 117 Resp: 278954

Ion Ratio Lower Upper

117 100

82 58.7 46.7 70.1

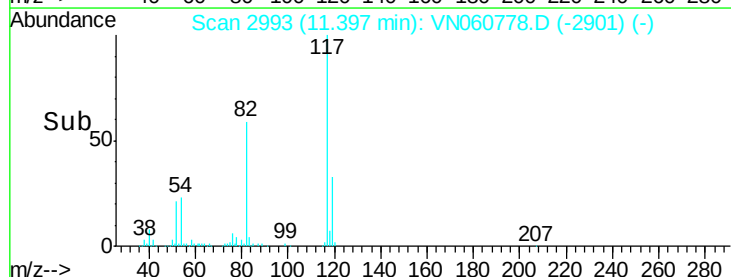
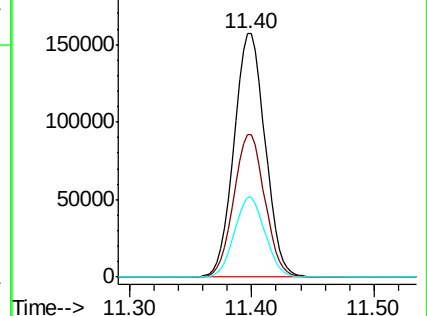
119 32.7 25.5 38.3

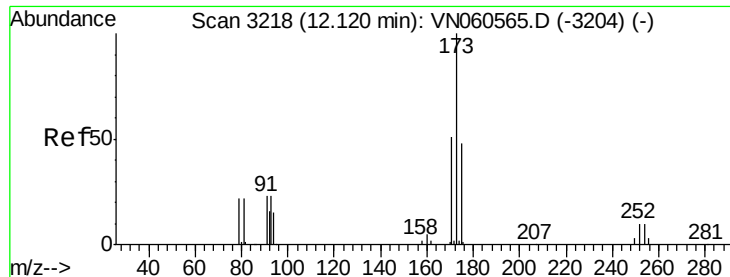


Abundance Ion 116.90 (116.60 to 117.60): VN060778.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060778.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060778.D (-2901) (-)





#71

Bromoform

Concen: 1.739 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

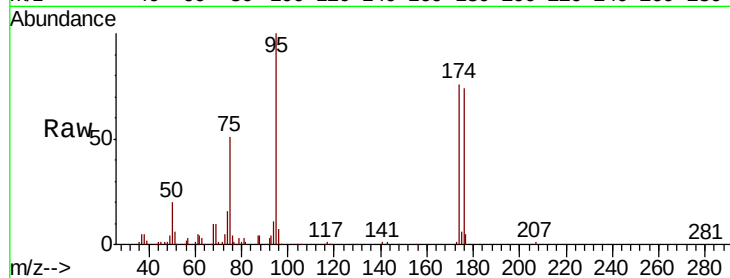
Tot Ion:173 Resp: 101

Ion Ratio Lower Upper

173 100

175 6348.5 24.1 72.4#

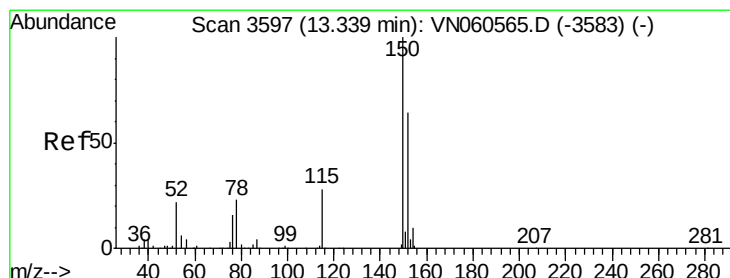
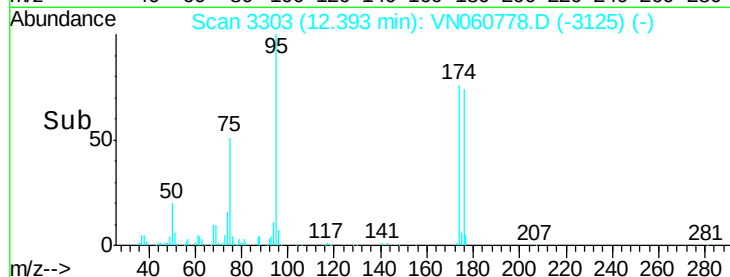
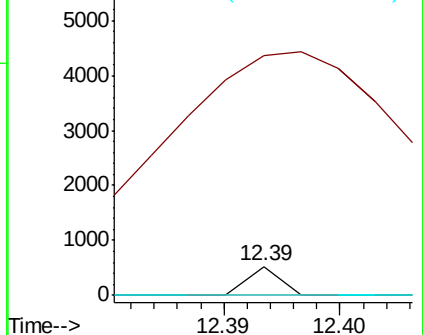
254 0.0 0.0 0.0



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: VN060778.D

Acq: 31 Mar 2020 11:55

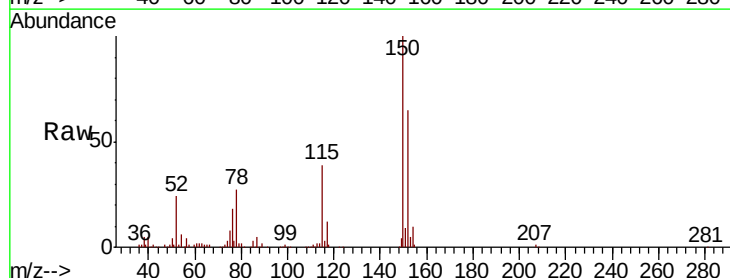
Tgt Ion:152 Resp: 115550

Ion Ratio Lower Upper

152 100

115 59.8 30.2 90.6

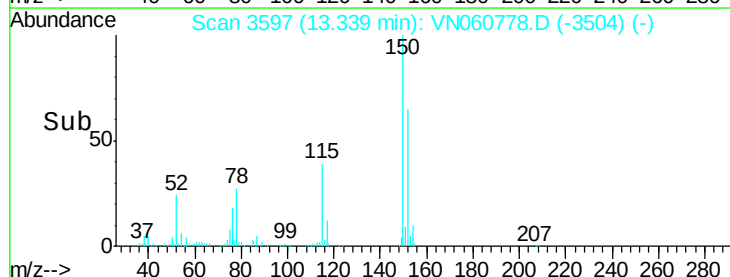
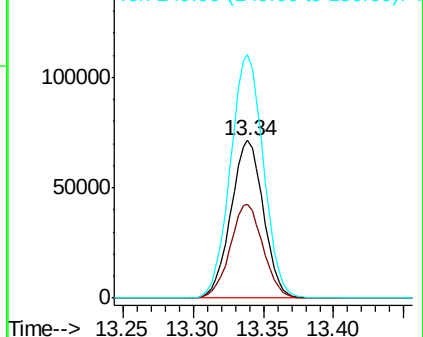
150 156.4 0.0 350.2

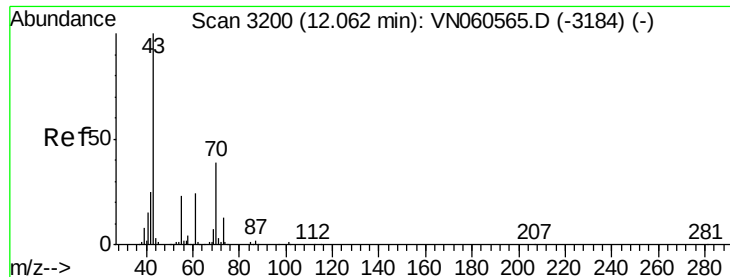


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

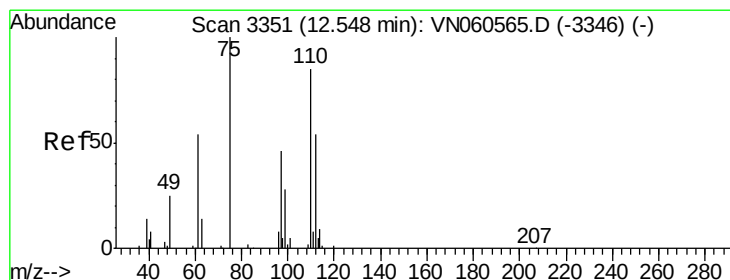
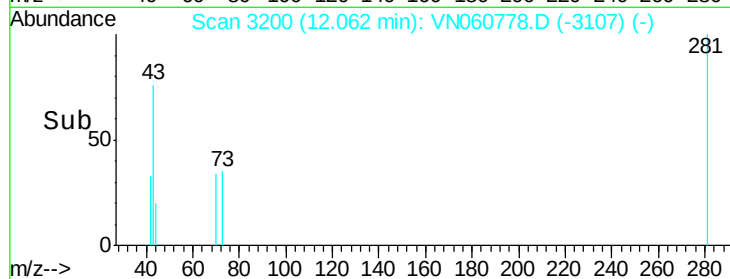
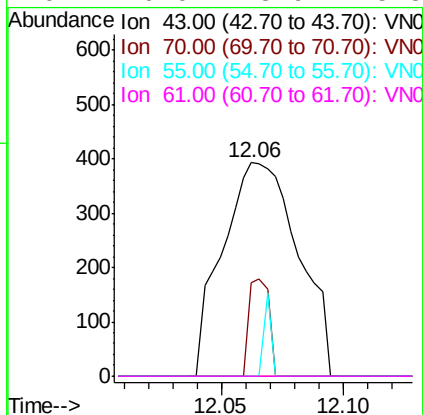
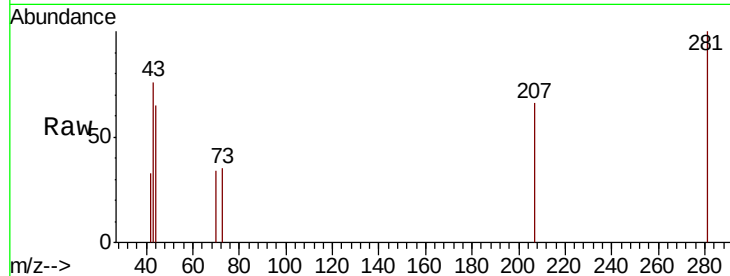




#74
N-amyl acetate
Concen: 0.211 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

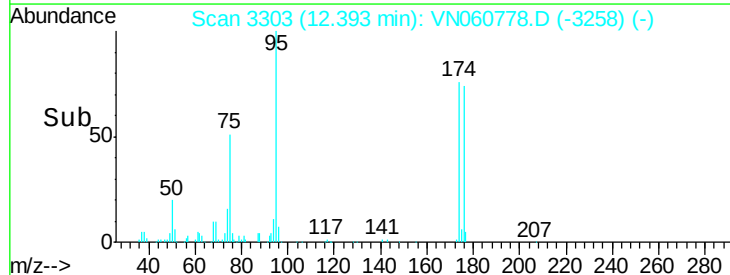
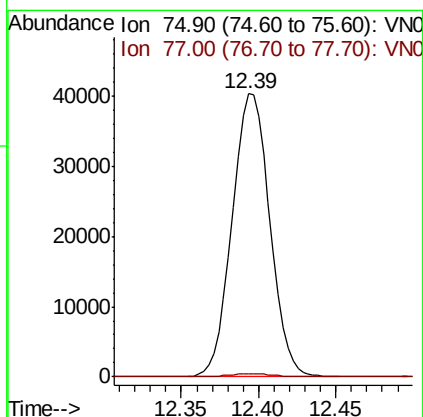
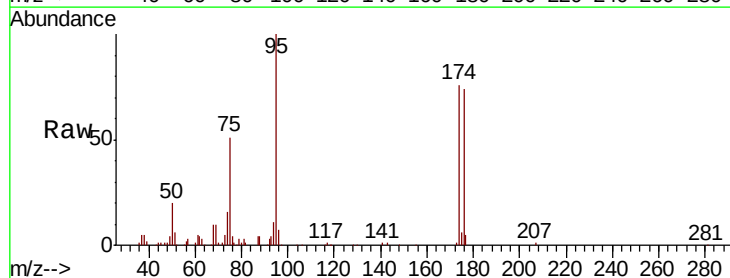
Instrument :
MSVOA_N
ClientSampleId :

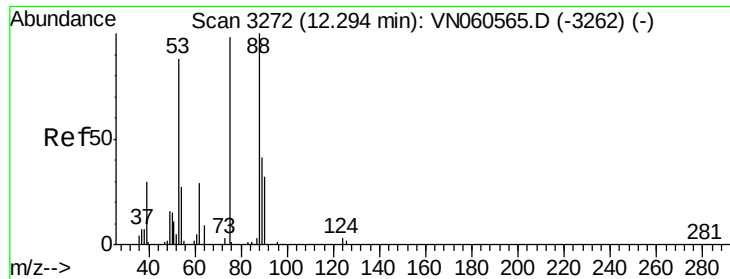
Tot Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
70 11.7 31.1 46.7#
55 3.4 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 27.363 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN060778.D
Acq: 31 Mar 2020 11:55

Tgt Ion: 75 Resp: 68226
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.277 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

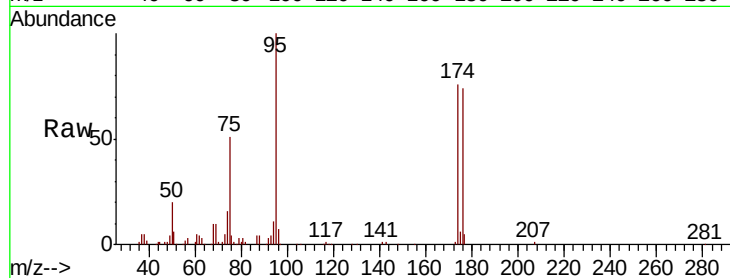
Tot Ion: 75 Resp: 68226

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

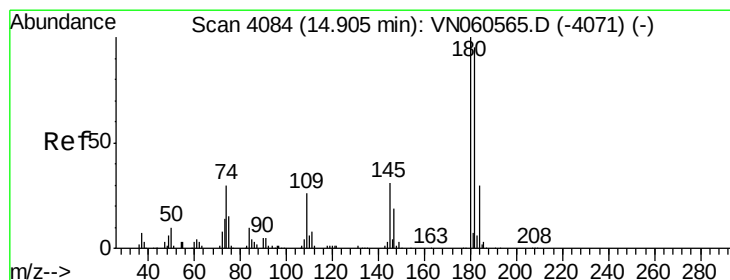
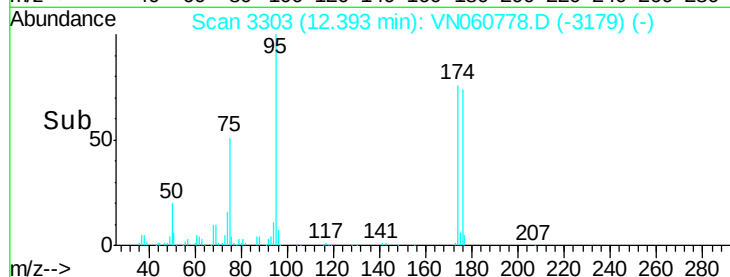
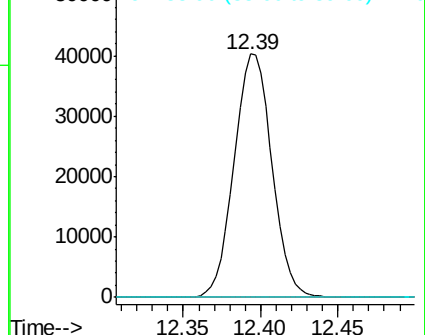
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060778.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060778.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060778.D (-3179) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.455 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

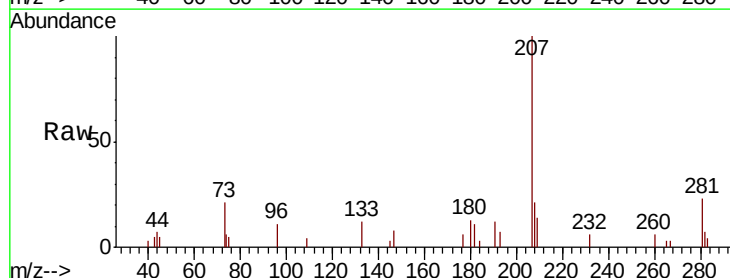
Tgt Ion: 180 Resp: 984

Ion Ratio Lower Upper

180 100

182 101.6 47.9 143.8

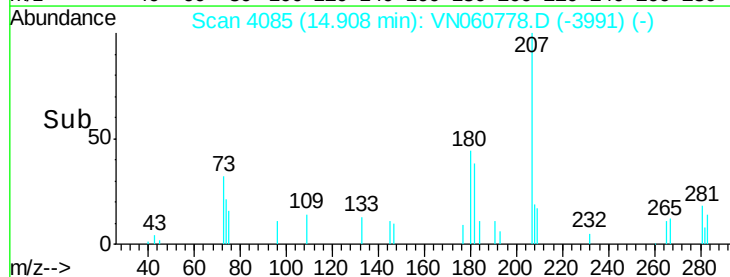
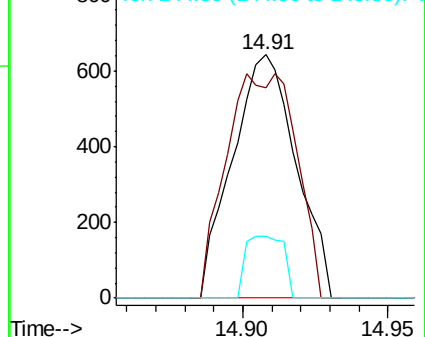
145 15.3 15.4 46.2#

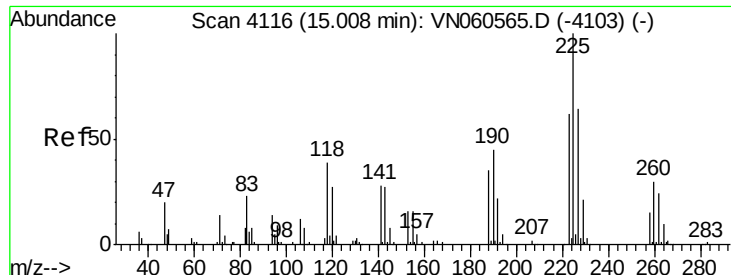


Abundance Ion 179.80 (179.50 to 180.50): VN060778.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN060778.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060778.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: 0.217 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060778.D

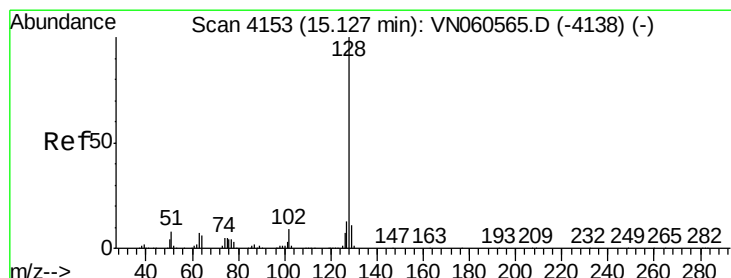
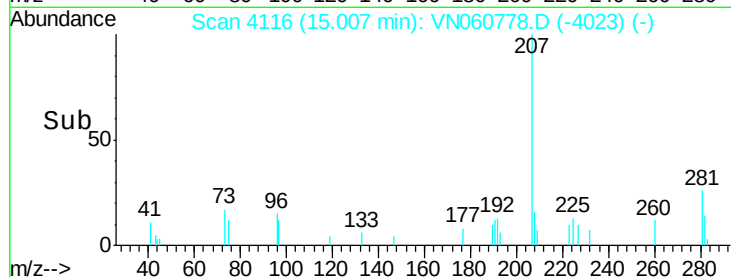
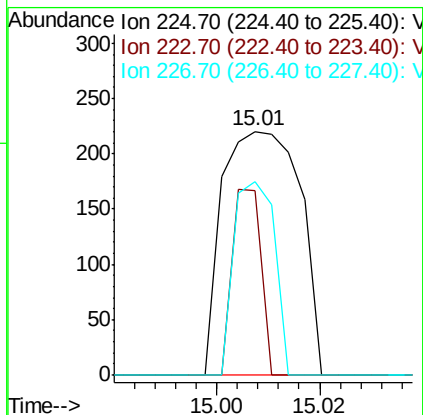
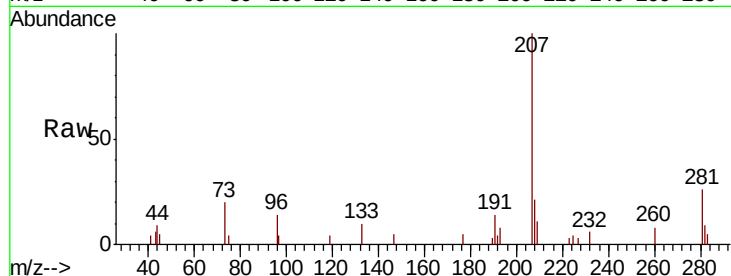
Acq: 31 Mar 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	225	Resp:	230
Ion	Ratio	Lower	Upper
225	100		
223	28.3	31.6	95.0#
227	41.3	32.3	96.8



#95

Naphthalene

Concen: 0.764 ug/l

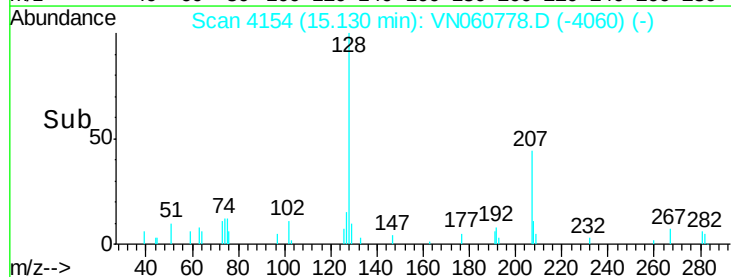
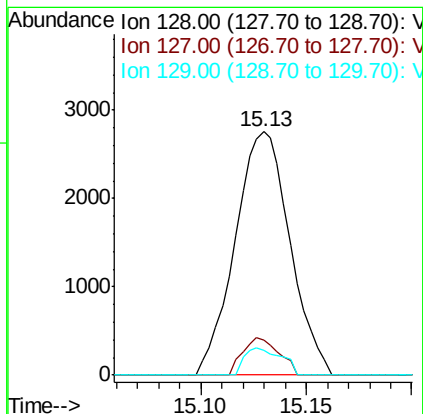
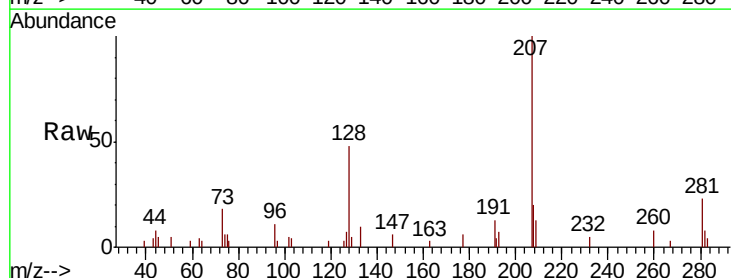
RT: 15.13 min Scan# 4154

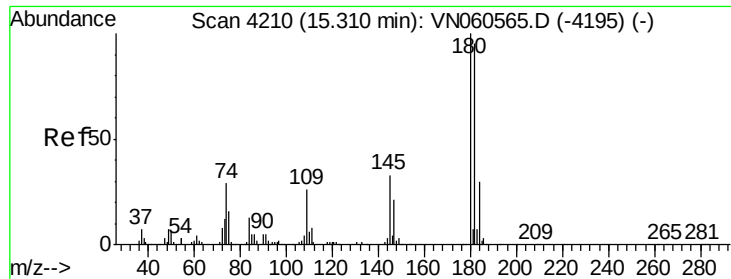
Delta R.T. 0.00 min

Lab File: VN060778.D

Acq: 31 Mar 2020 11:55

Tgt Ion:	128	Resp:	4973
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.2	15.2#
129	7.5	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.653 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060778.D
 Acq: 31 Mar 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.6
145	25.6	16.3	48.8

