

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060338.D
 Acq On : 4 Mar 2020 9:19
 Operator : JC/MD
 Sample : VN0304MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304MBL01

Quant Time: Mar 05 05:07:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

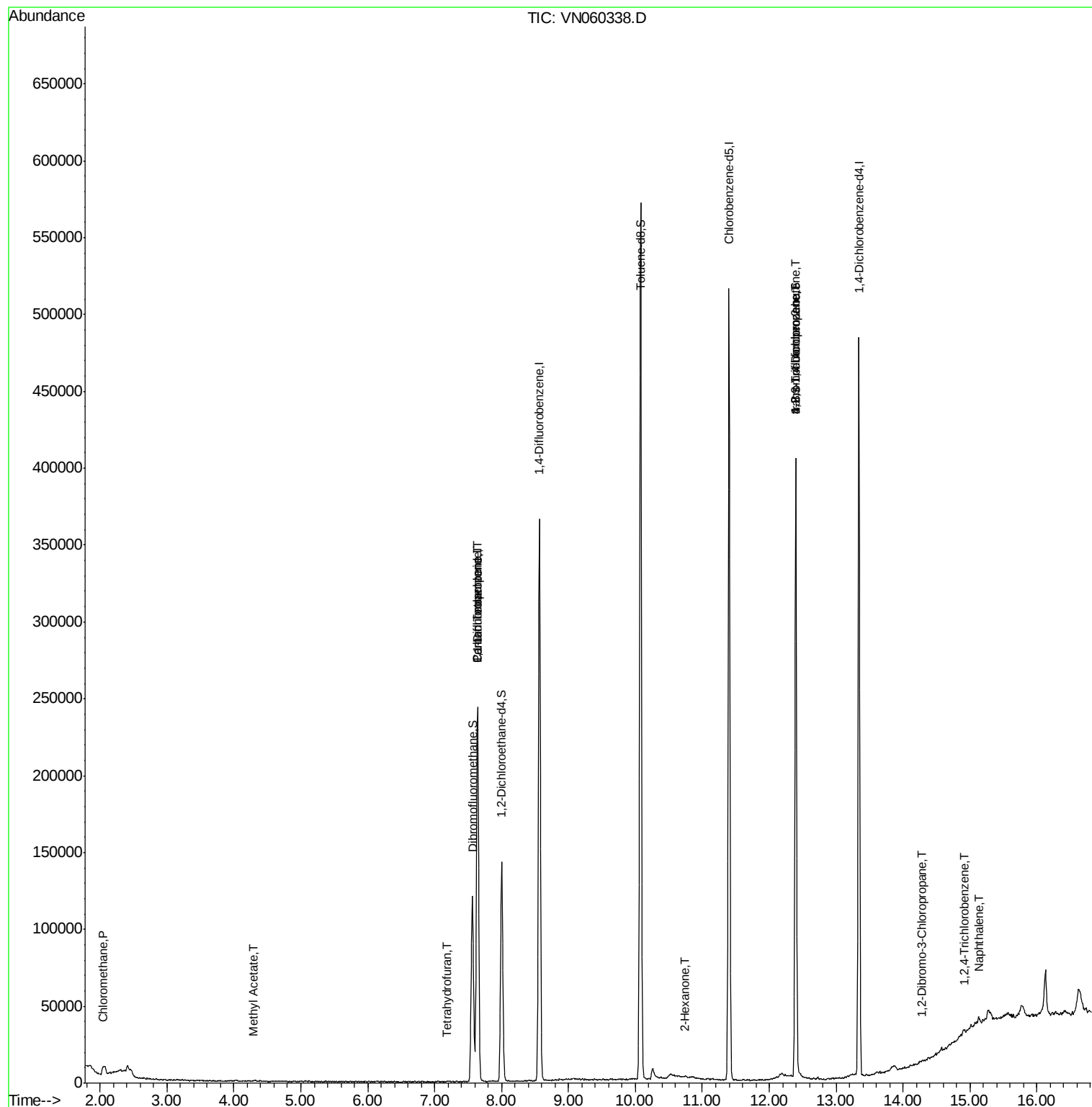
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	324033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125679	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125589	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.56	113	93256	62.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.00%	
50) Toluene-d8	10.08	98	393210	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	139193	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1529	0.476	ug/l	89
12) 1,1-Dichloroethene	3.72	96	89	Below Cal	#	1
17) Carbon Disulfide	4.02	76	796	Below Cal	#	75
18) Methyl Acetate	4.30	43	678	0.244	ug/l #	52
21) trans-1,2-Dichloroethene	4.90	96	96	Below Cal	#	1
29) Tetrahydrofuran	7.19	42	412	0.440	ug/l #	33
31) Cyclohexane	7.64	56	4334	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15161	4.909	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18710	6.223	ug/l #	17
59) 2-Hexanone	10.74	43	585	0.275	ug/l	68
76) 1,2,3-Trichloropropane	12.40	75	71373	25.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	71373	71.452	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	543	Below Cal	#	60
88) 1,4-Dichlorobenzene	13.35	146	569	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.27	75	169	0.295	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	837	0.417	ug/l	93
94) Hexachlorobutadiene	15.01	225	193	Below Cal	#	48
95) Naphthalene	15.13	128	3983	0.262	ug/l #	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060338.D

Acq: 4 Mar 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

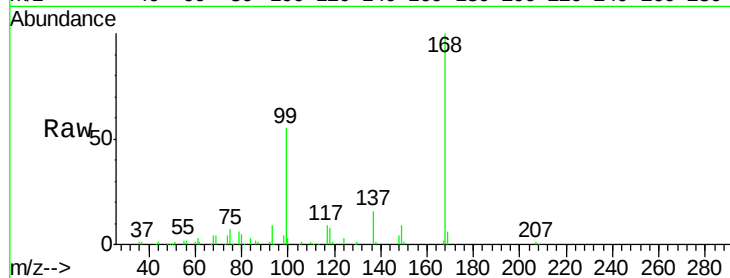
VN0304MBL01

Tgt Ion:168 Resp: 201164

Ion Ratio Lower Upper

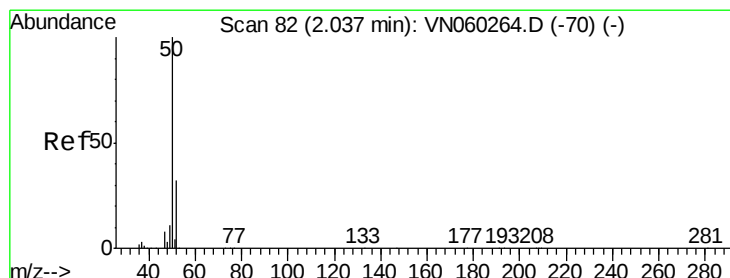
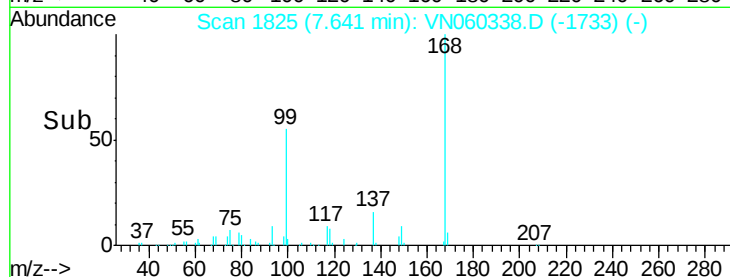
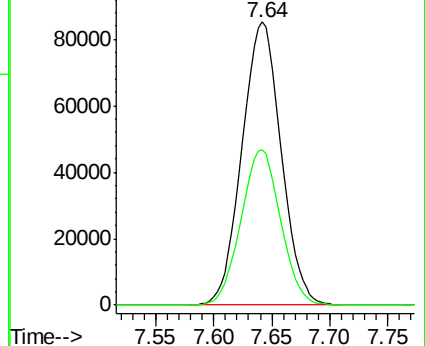
168 100

99 55.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.476 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060338.D

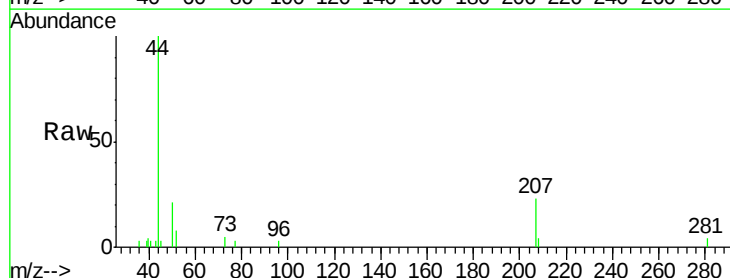
Acq: 4 Mar 2020 9:19

Tgt Ion: 50 Resp: 1529

Ion Ratio Lower Upper

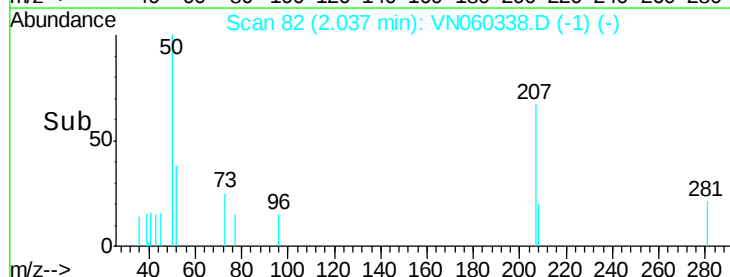
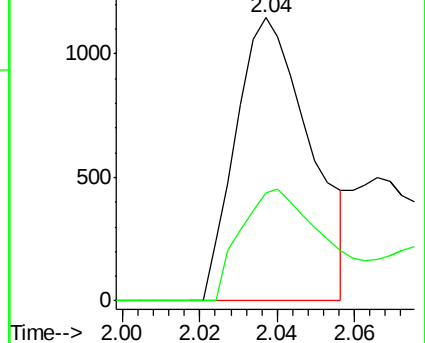
50 100

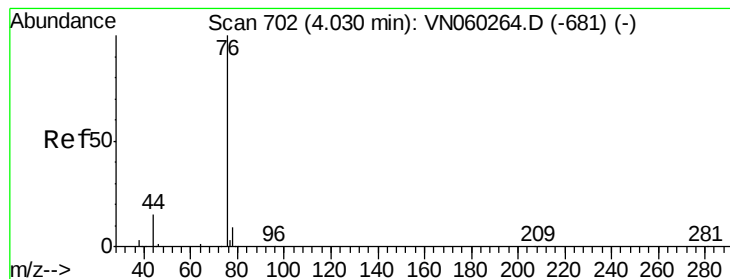
52 38.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN060338.D

Acq: 4 Mar 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

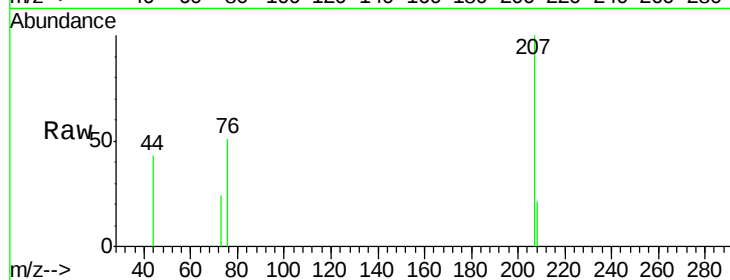
VN0304MBL01

Tgt Ion: 76 Resp: 796

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

400

300

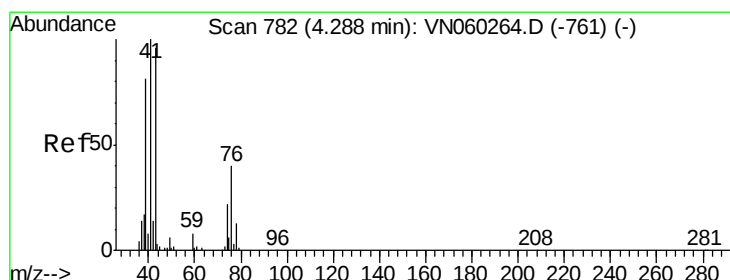
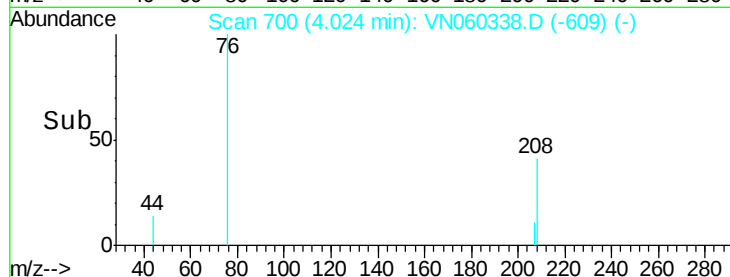
200

100

0

4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 0.244 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060338.D

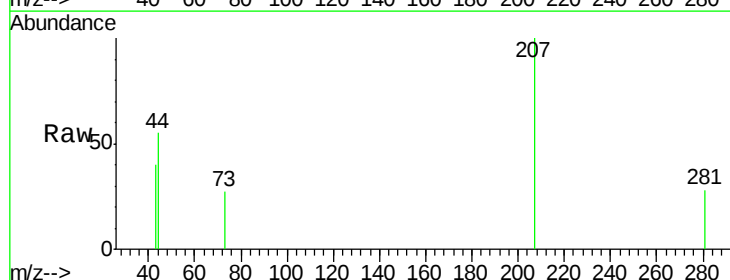
Acq: 4 Mar 2020 9:19

Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

300

250

200

150

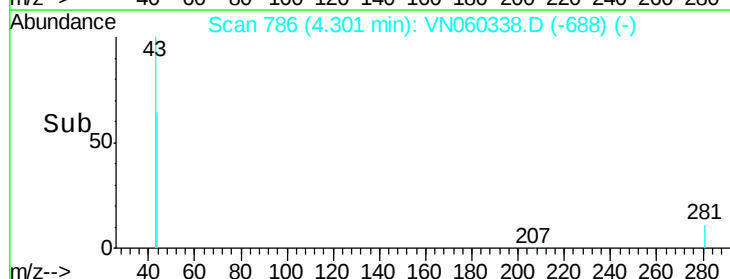
100

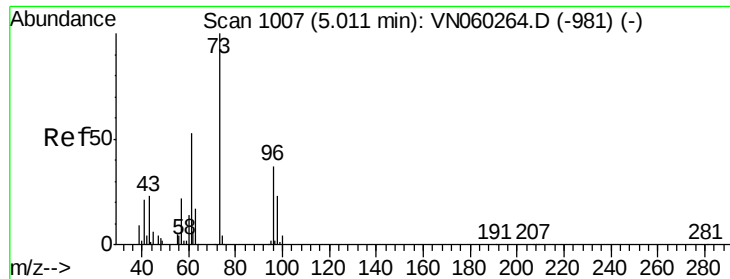
50

0

4.25 4.30 4.35

Time-->

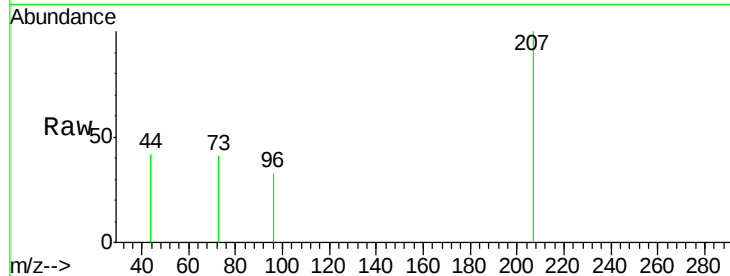




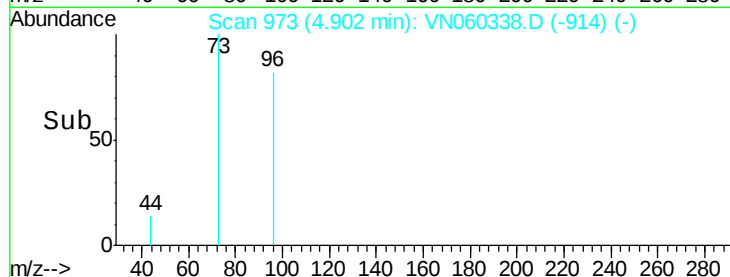
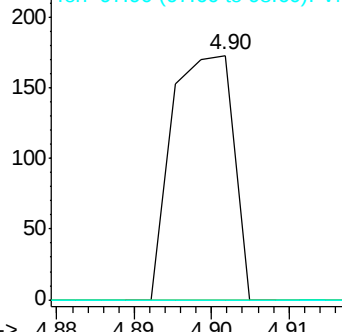
#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 4.90 min Scan# 973
Delta R.T. -0.11 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

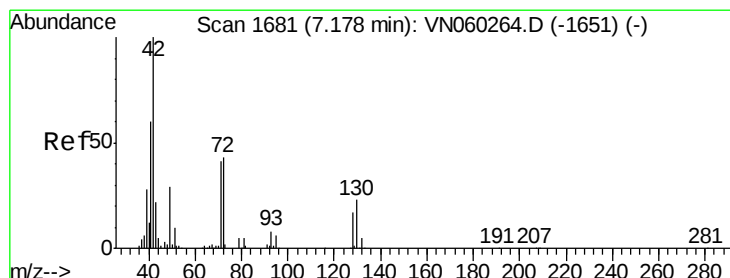
Tgt Ion: 96 Resp: 96
Ion Ratio Lower Upper
96 100
61 0.0 113.8 170.8#
98 0.0 48.8 73.2#



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

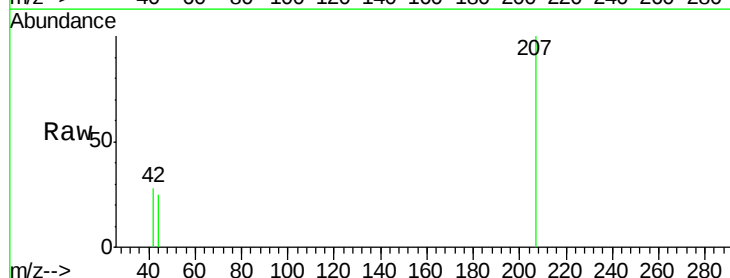


Time-->

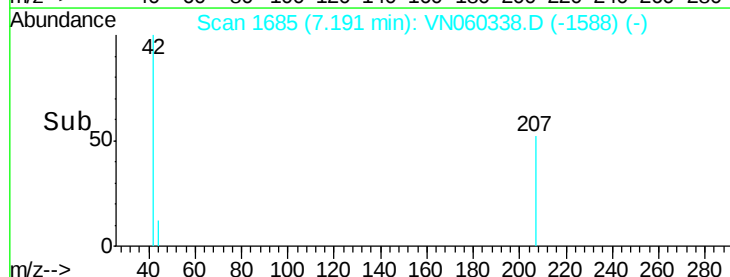
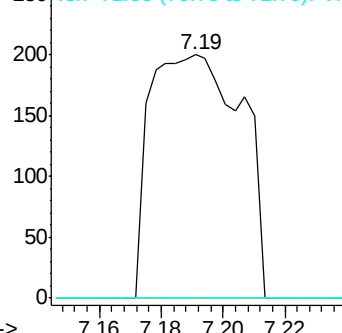


#29
Tetrahydrofuran
Concen: 0.440 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Tgt Ion: 42 Resp: 412
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



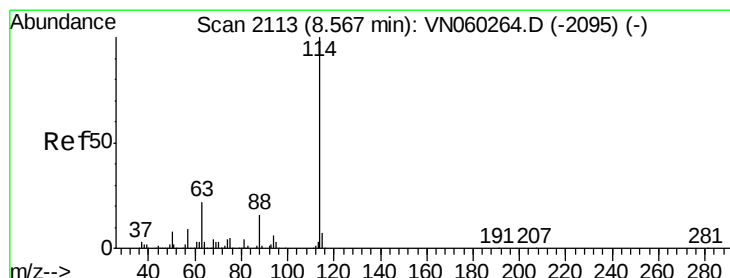
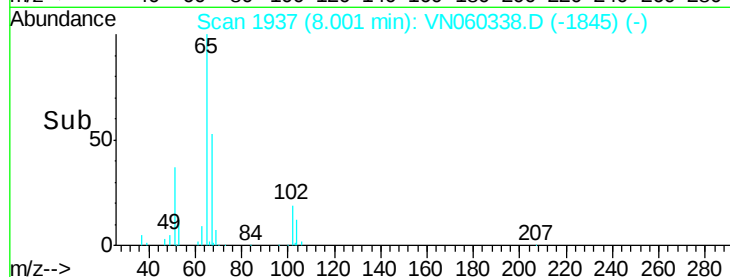
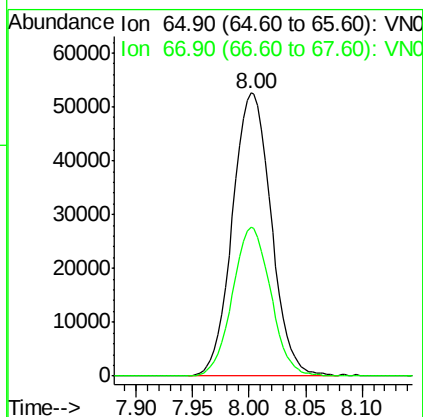
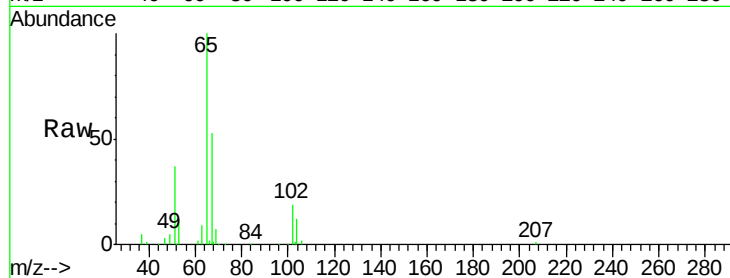
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 48.660 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060338.D
 Acq: 4 Mar 2020 9:19

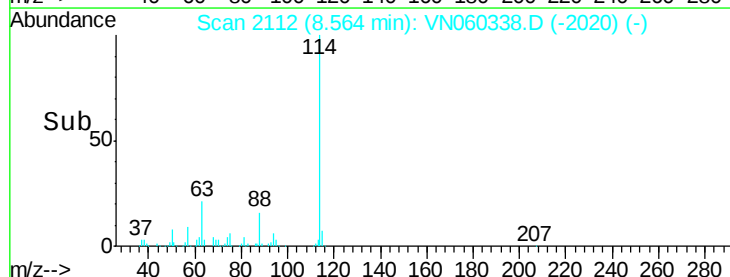
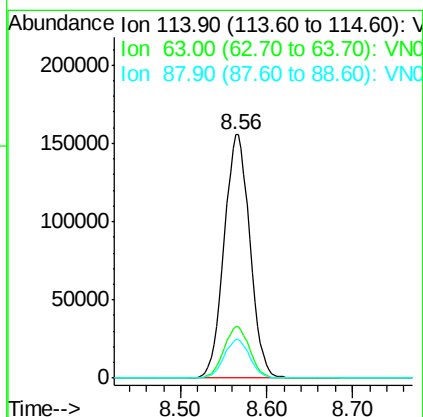
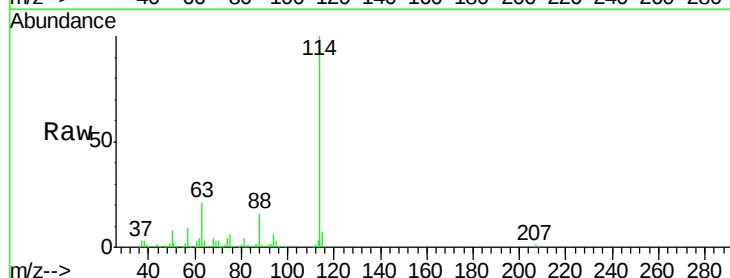
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304MBL01

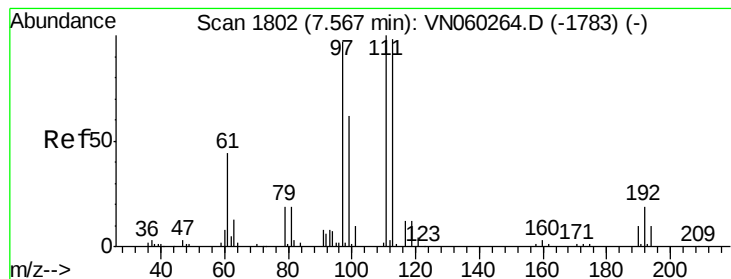
Tgt Ion: 65 Resp: 125589
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060338.D
 Acq: 4 Mar 2020 9:19

Tgt Ion: 114 Resp: 324033
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 62.003 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060338.D

Acq: 4 Mar 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VN0304MBL01

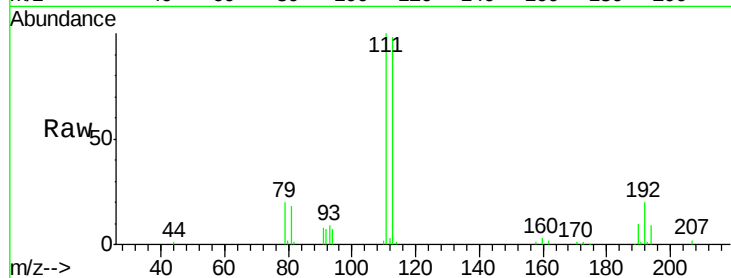
Tgt Ion:113 Resp: 93256

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

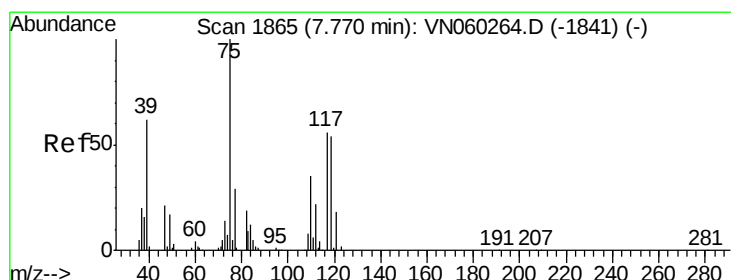
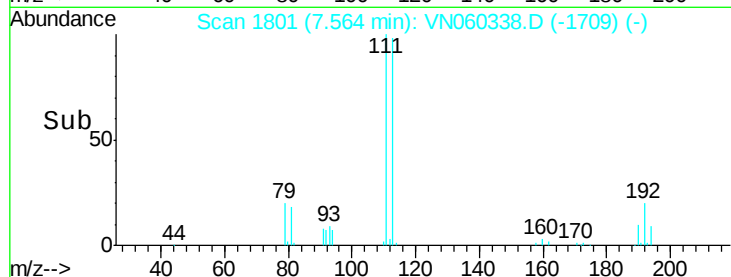
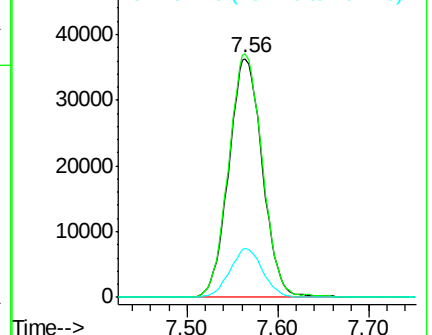
192 19.8 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060338.D

Acq: 4 Mar 2020 9:19

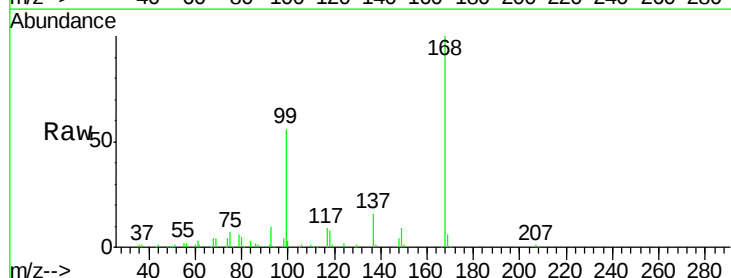
Tgt Ion: 75 Resp: 15161

Ion Ratio Lower Upper

75 100

110 8.7 17.3 52.0#

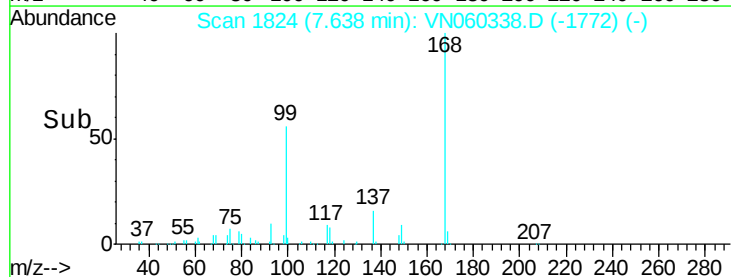
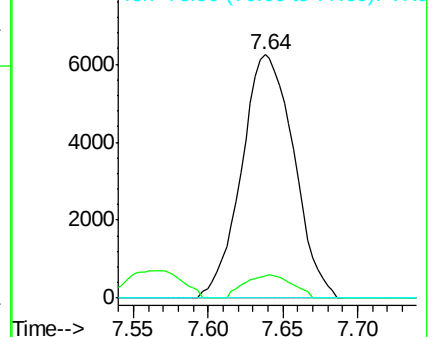
77 0.0 24.2 36.2#

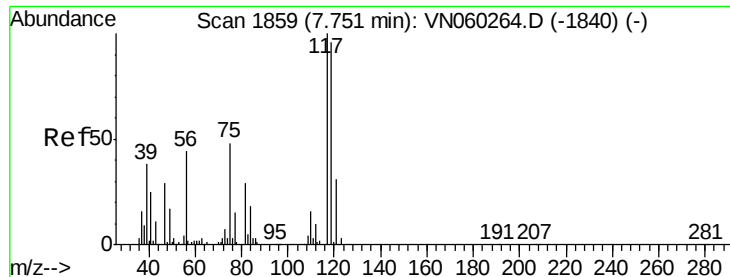


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

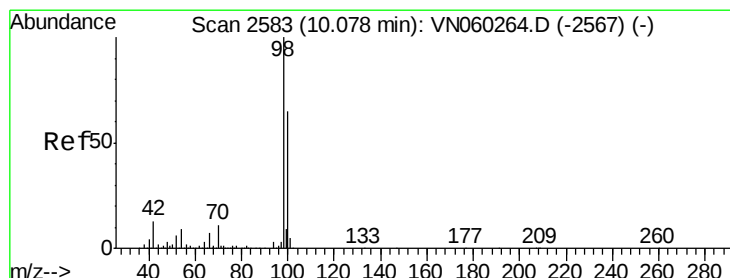
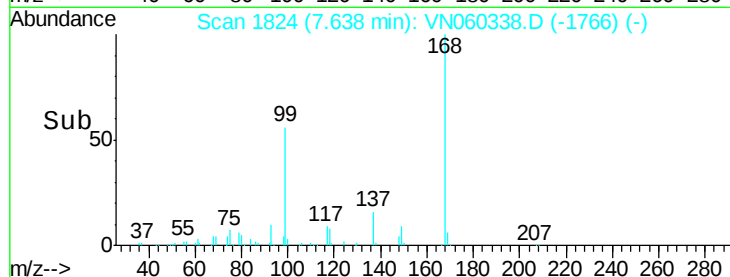
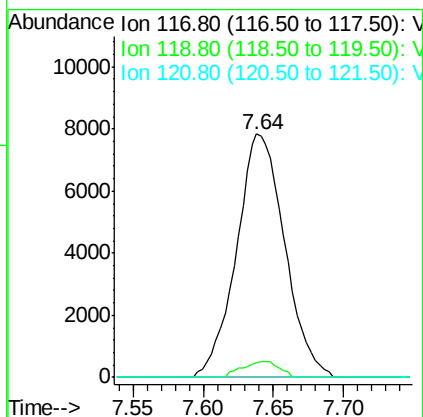
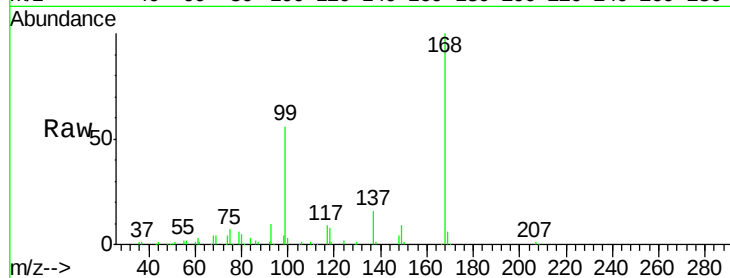




#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

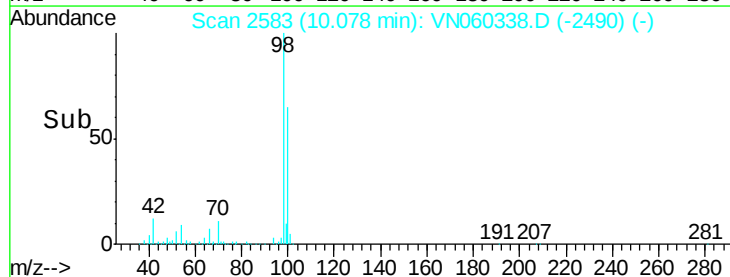
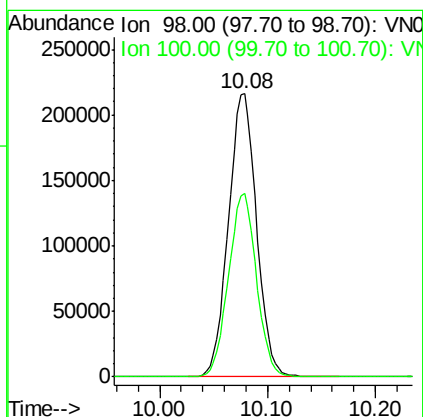
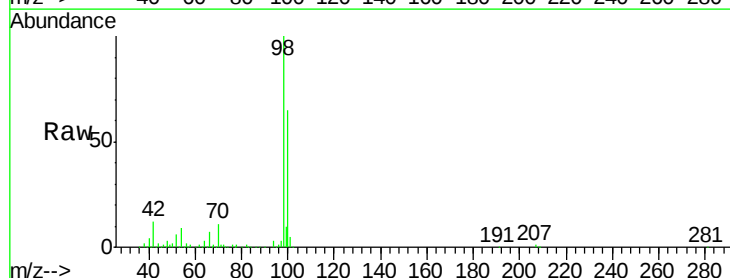
Instrument :
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VN0304MBL01

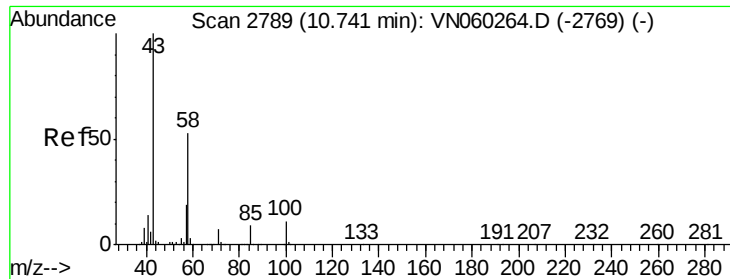
Tgt Ion:117 Resp: 18710
Ion Ratio Lower Upper
117 100
119 5.9 76.7 115.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.655 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Tgt Ion: 98 Resp: 393210
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2

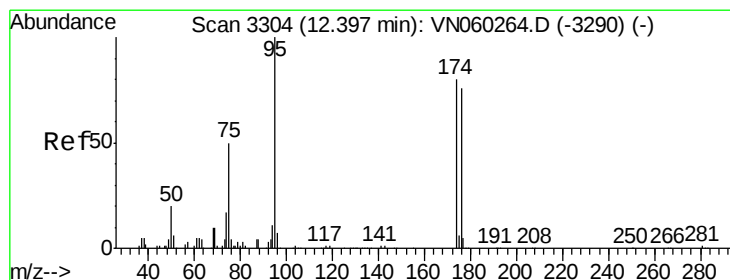
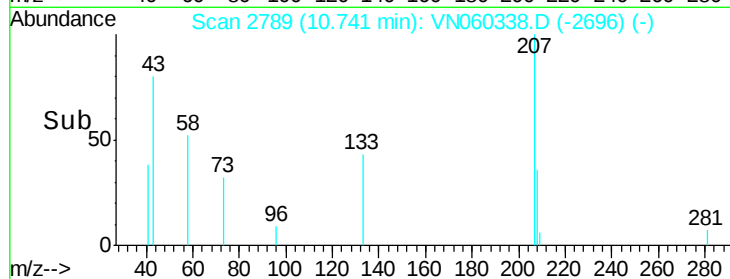
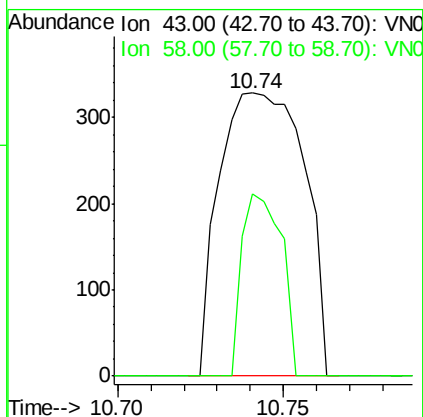
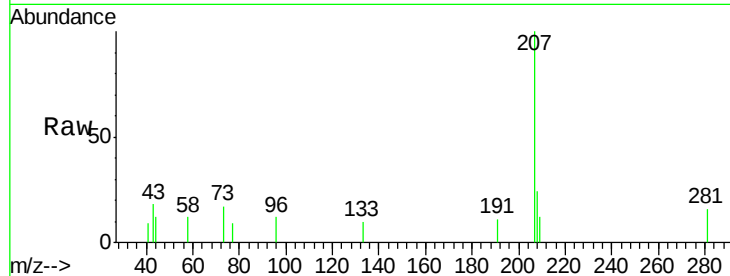




#59
2-Hexanone
Concen: 0.275 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

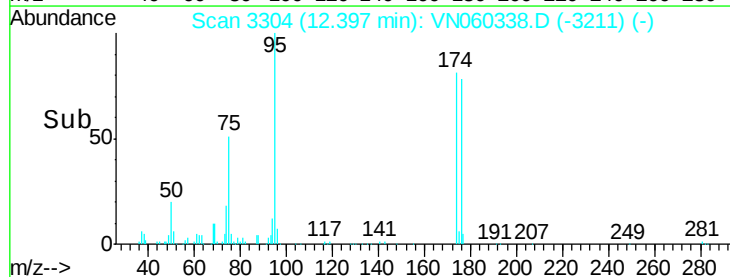
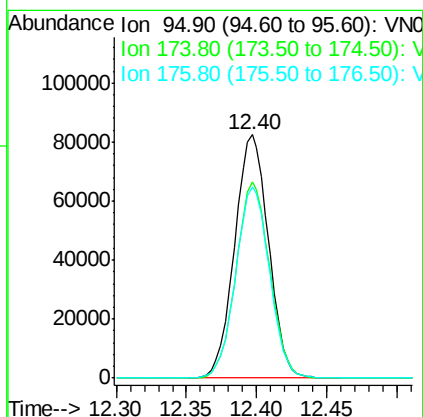
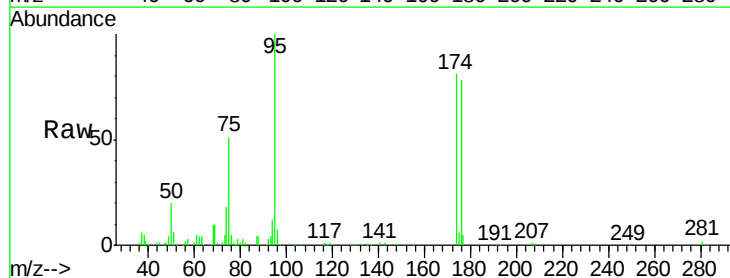
Instrument :
MSVOA_N
ClientSampled :
VN0304MBL01

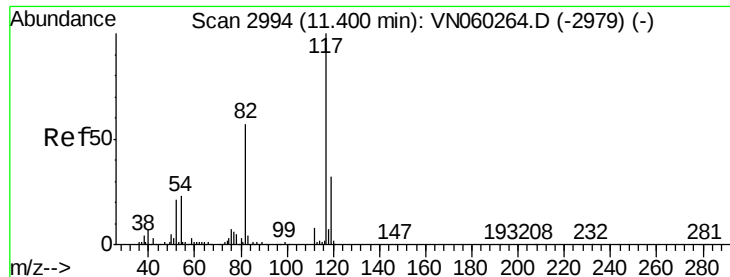
Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
58 30.3 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 48.237 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Tgt Ion: 95 Resp: 139193
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.2
176 78.1 0.0 153.8

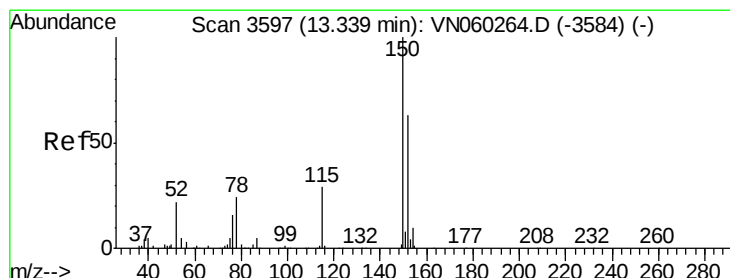
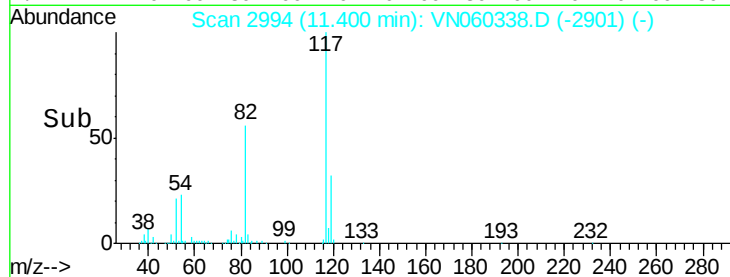
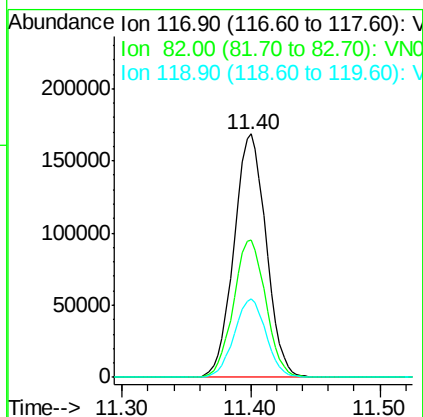
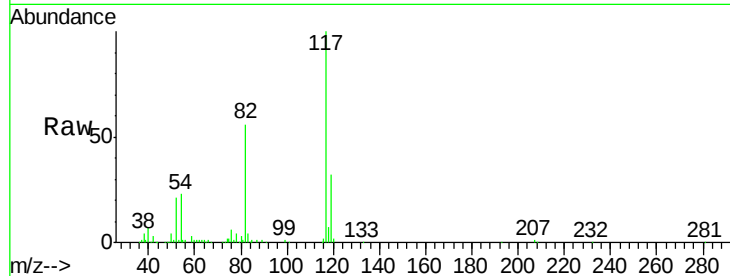




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

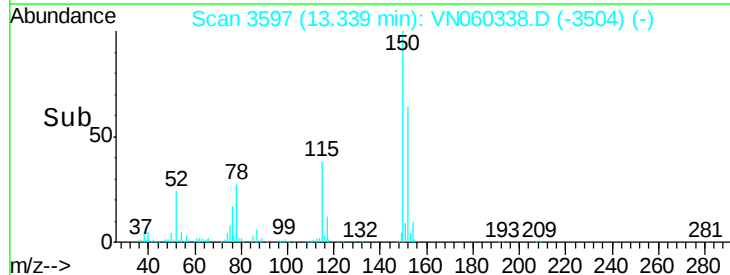
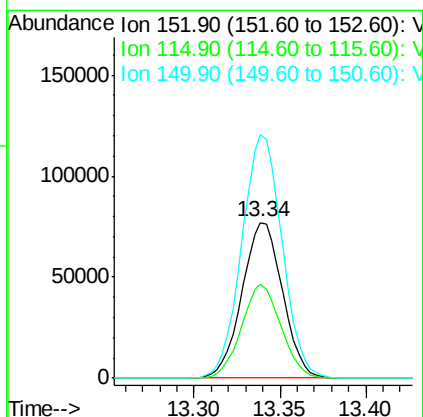
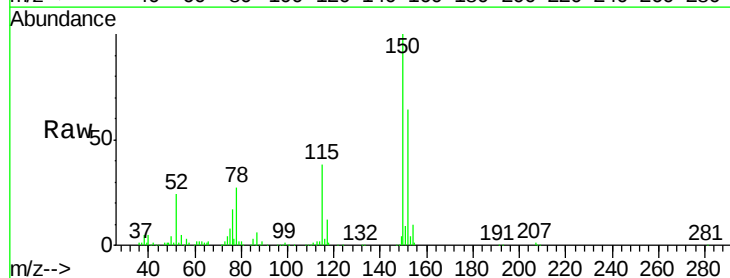
Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

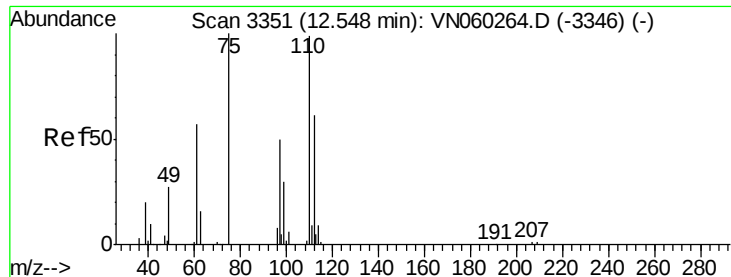
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.8	68.6
119	32.2	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.0	90.0
150	156.3	0.0	349.6

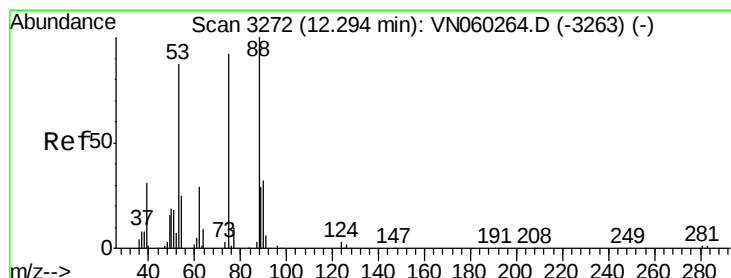
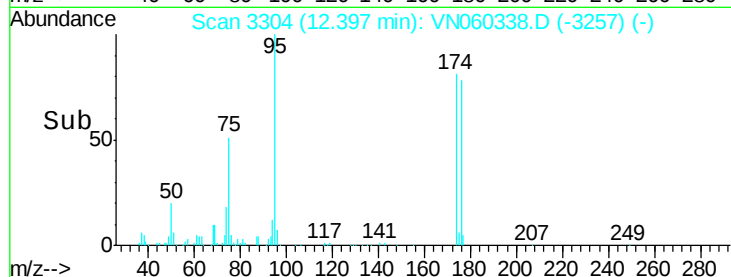
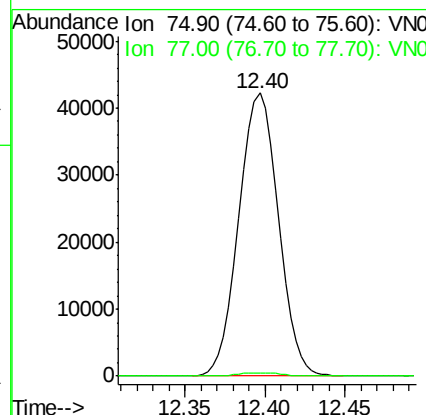
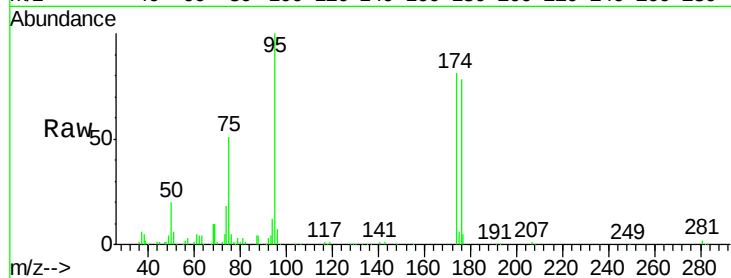




#76
 1,2,3-Trichloropropane
 Concen: 25.884 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060338.D
 Acq: 4 Mar 2020 9:19

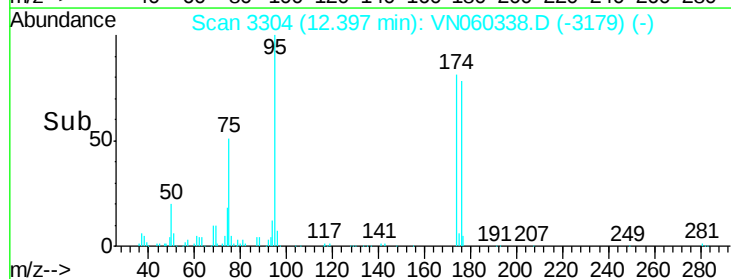
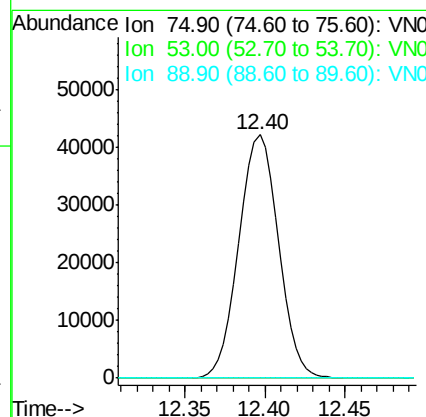
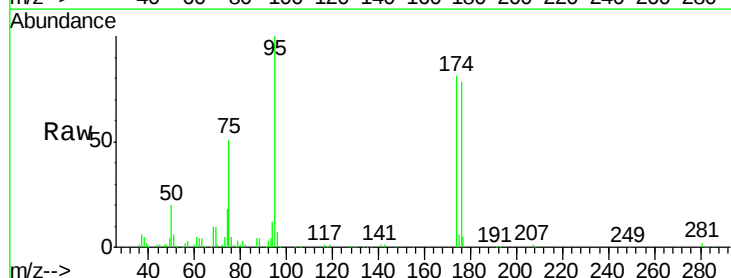
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304MBL01

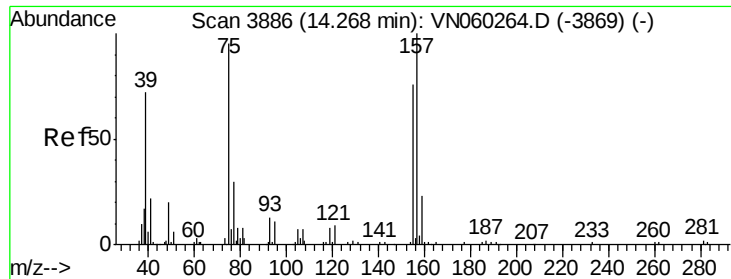
Tgt Ion: 75 Resp: 71373
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.452 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060338.D
 Acq: 4 Mar 2020 9:19

Tgt Ion: 75 Resp: 71373
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

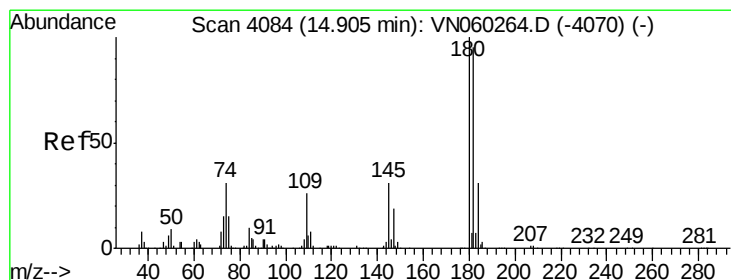
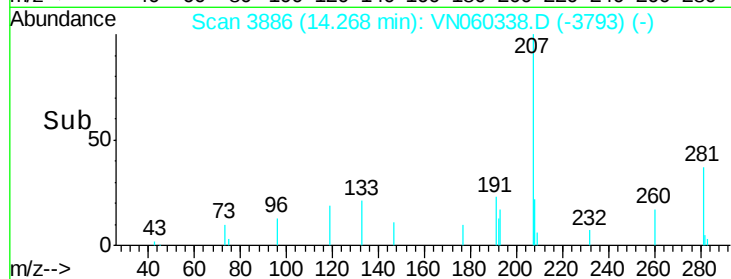
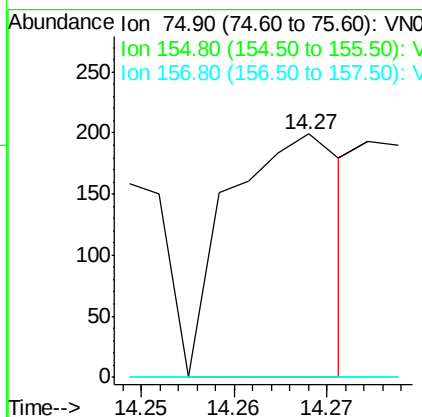
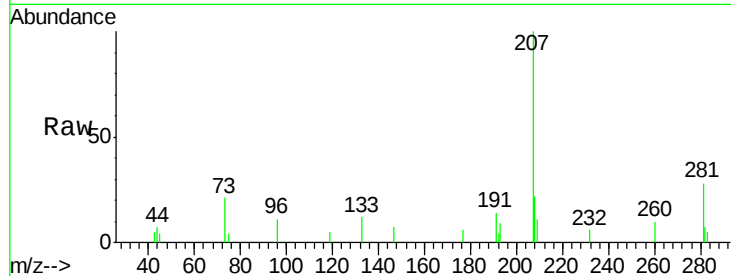




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.295 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN060338.D
 Acq: 4 Mar 2020 9:19

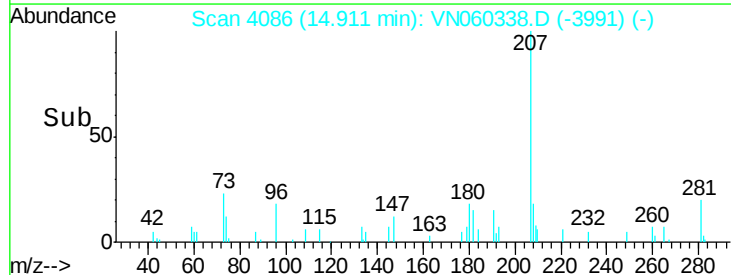
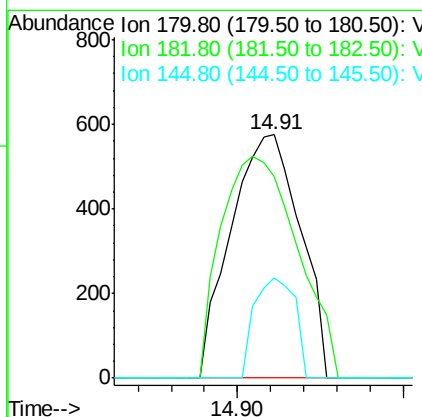
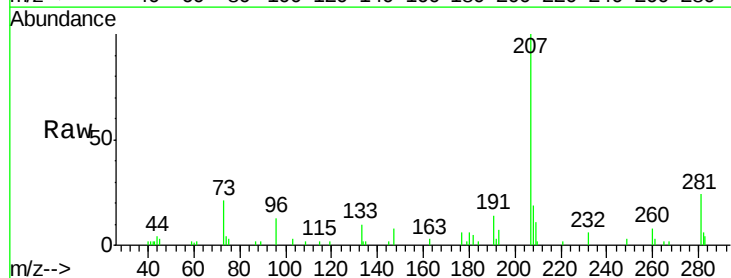
Instrument :
 MSVOA_N
 ClientSampled :
 VN0304MBL01

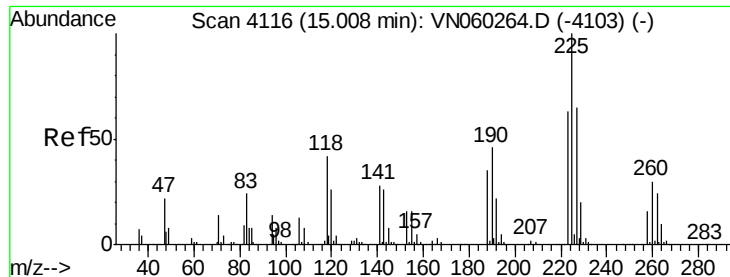
Tgt Ion: 75 Resp: 169
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 0.0 52.5 157.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.417 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060338.D
 Acq: 4 Mar 2020 9:19

Tgt Ion: 180 Resp: 837
 Ion Ratio Lower Upper
 180 100
 182 100.7 47.8 143.3
 145 23.8 15.4 46.1

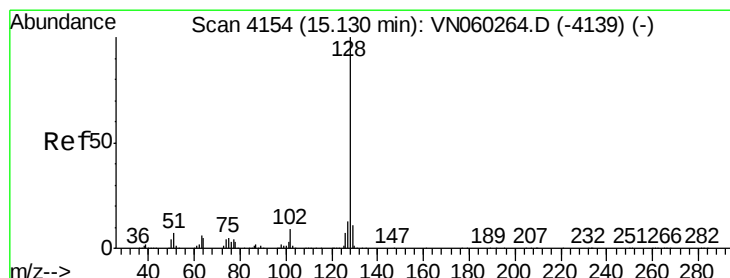
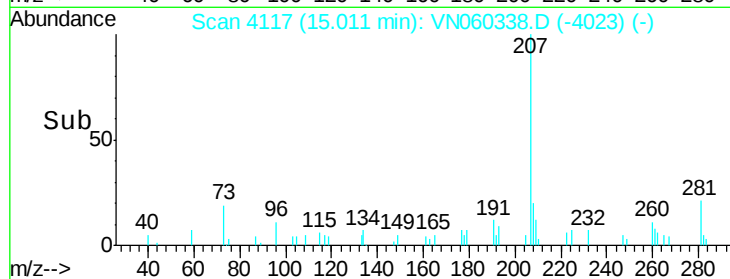
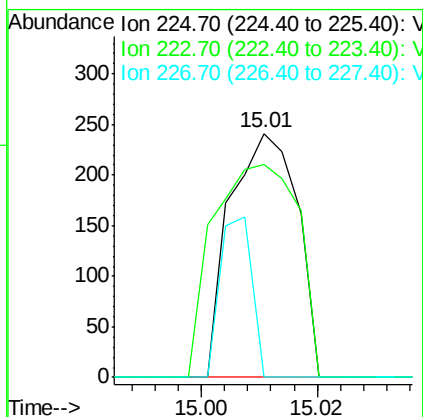
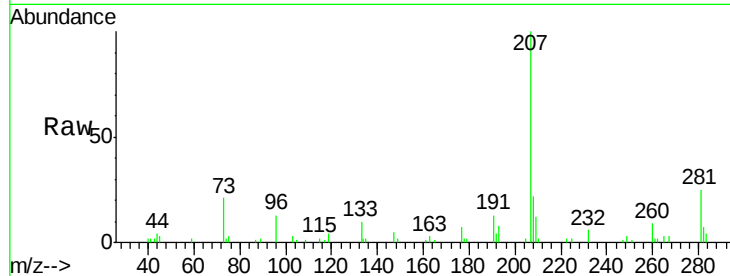




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VN0304MBL01

Tgt Ion: 225 Resp: 193
Ion Ratio Lower Upper
225 100
223 110.9 31.3 93.9#
227 31.1 32.3 96.9#



#95
Naphthalene
Concen: 0.262 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060338.D
Acq: 4 Mar 2020 9:19

Tgt Ion: 128 Resp: 3983
Ion Ratio Lower Upper
128 100
127 10.2 10.4 15.6#
129 9.9 8.6 13.0

