

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064044.D
 Acq On : 9 Oct 2020 17:38
 Operator : JC/MD
 Sample : L4350-01 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Oct 10 01:30:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	43253	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	211515	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	191258	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		7.99	65	121870	31.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.57%	
60) 4-Bromofluorobenzene		12.38	95	73415	22.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.83%	
63) Toluene-d8		10.06	98	261733	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%	

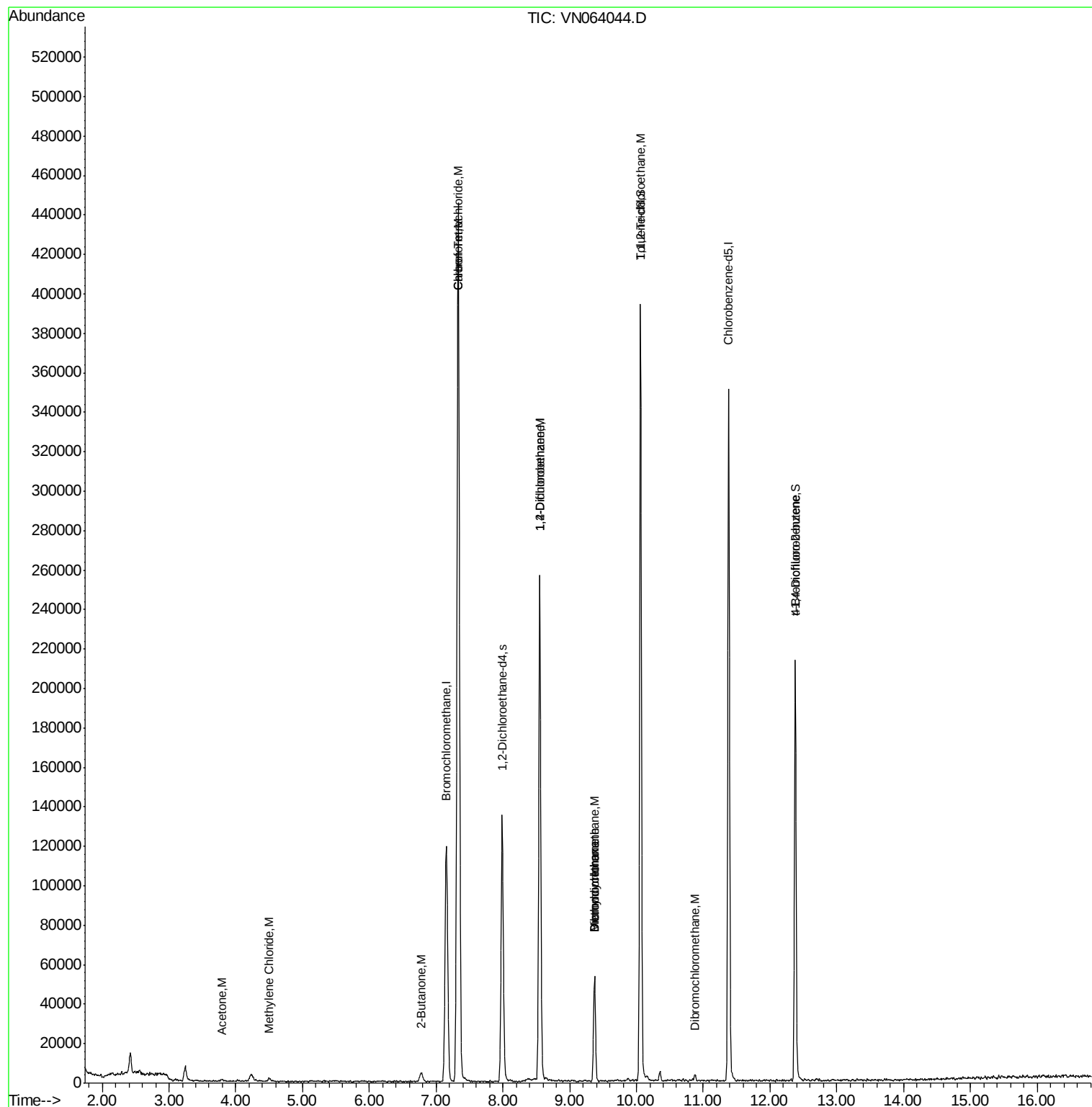
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.80	58	350	1.030	ug/l #	1
18) Methylene Chloride	4.50	84	759	0.273	ug/l #	89
25) Chloroform	7.33	83	459170	83.299	ug/l	97
30) 2-Butanone	6.78	43	396	0.218	ug/l #	55
33) Carbon Tetrachloride	7.32	117	3809	0.920	ug/l #	80
36) 1,2-Dichloroethane	8.55	62	8767	1.895	ug/l #	74
38) Methylcyclohexane	9.37	83	36606	11.705	ug/l #	16
40) Dibromomethane	9.37	93	594	0.297	ug/l #	2
41) Bromodichloromethane	9.37	83	36606	8.813	ug/l #	93
50) 1,1,2-Trichloroethane	10.07	97	10654	3.992	ug/l #	1
53) Dibromochloromethane	10.87	129	1594	0.519	ug/l	98
77) t-1,4-Dichloro-2-butene	12.38	75	40007	30.730	ug/l #	12

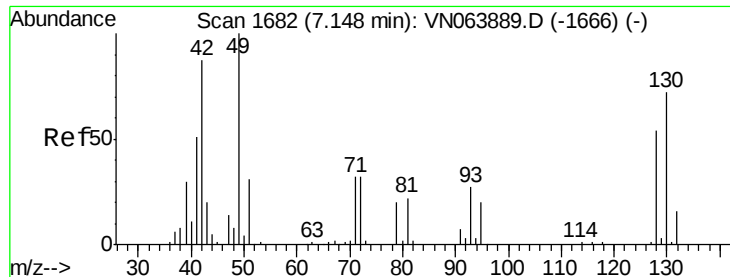
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100920\
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Instrument :
MSVOA_N
ClientSampleId :
14B-1

Quant Time: Oct 10 01:30:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064044.D

Acq: 9 Oct 2020 17:38

Instrument :

MSVOA_N

ClientSampled :

14B-1

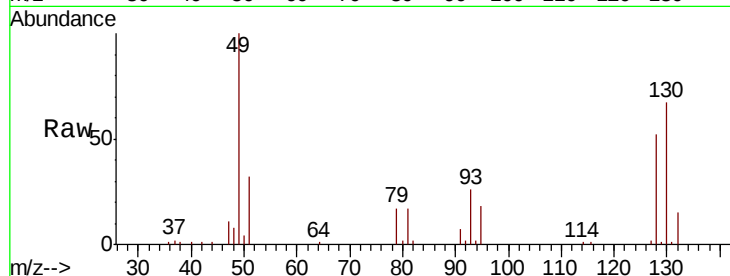
Tot Ion:128 Resp: 43253

Ion Ratio Lower Upper

128 100

49 196.7 0.0 437.5

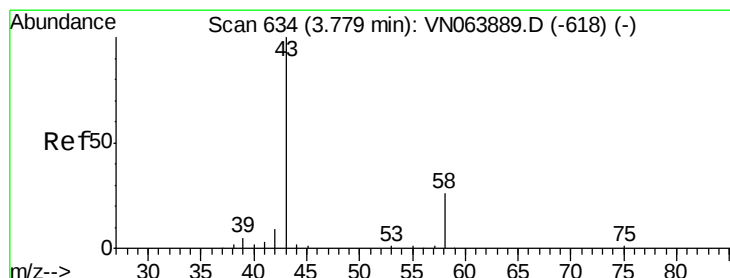
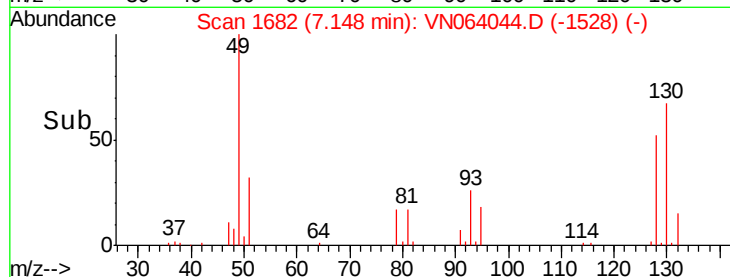
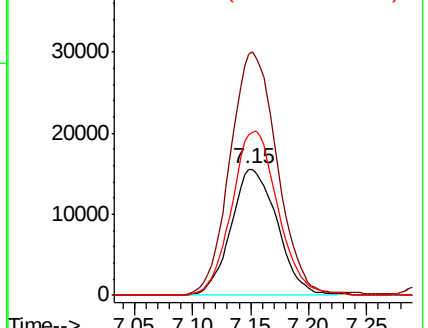
130 129.6 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1.030 ug/l

RT: 3.80 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN064044.D

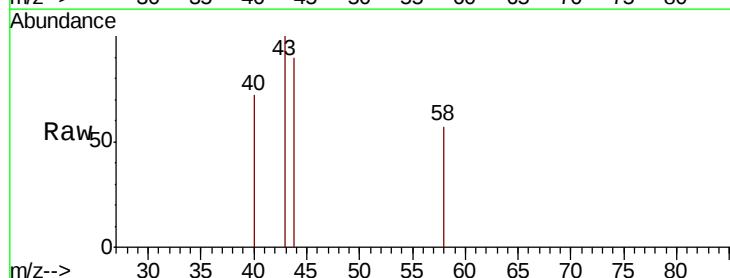
Acq: 9 Oct 2020 17:38

Tgt Ion: 58 Resp: 350

Ion Ratio Lower Upper

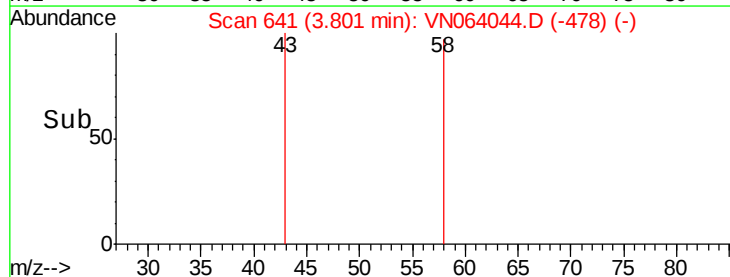
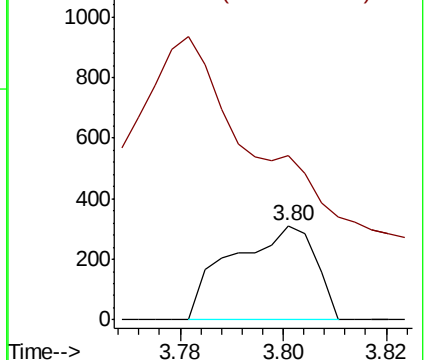
58 100

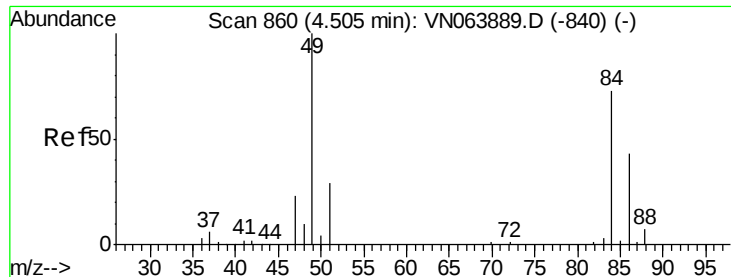
43 65.9 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): V

Ion 43.00 (42.70 to 43.70): V

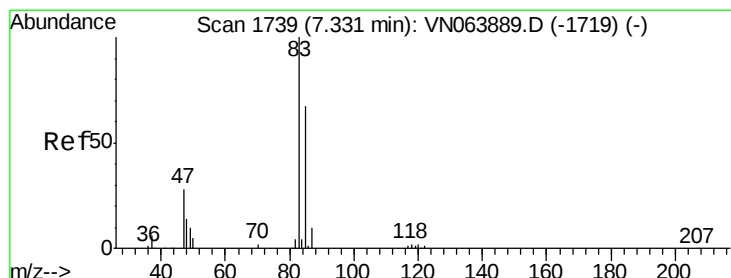
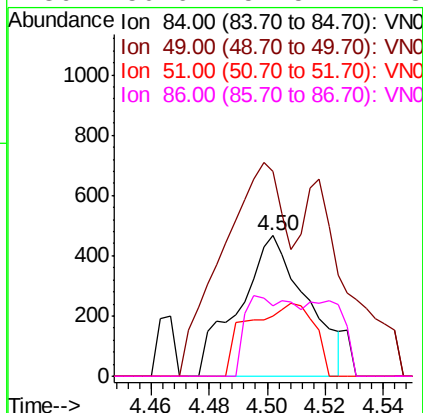
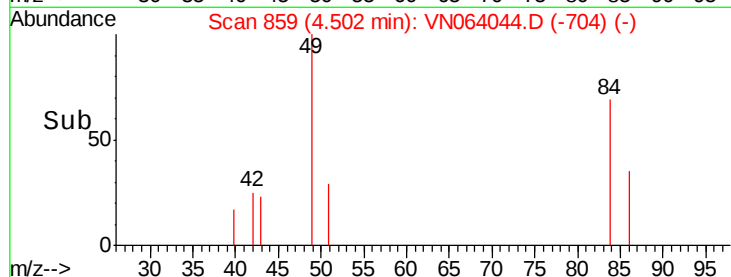
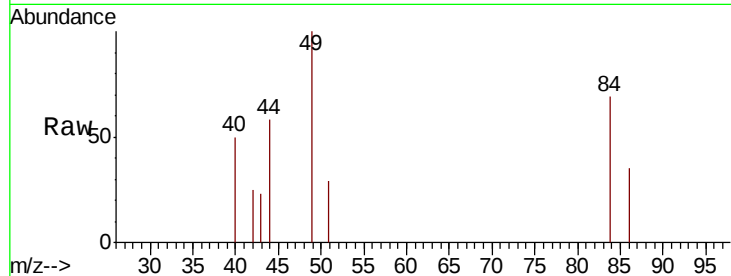




#18
Methvlene Chloride
Concen: 0.273 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

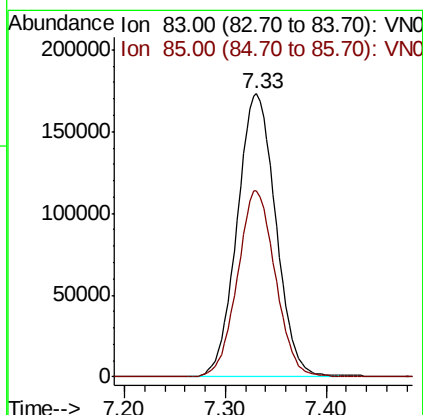
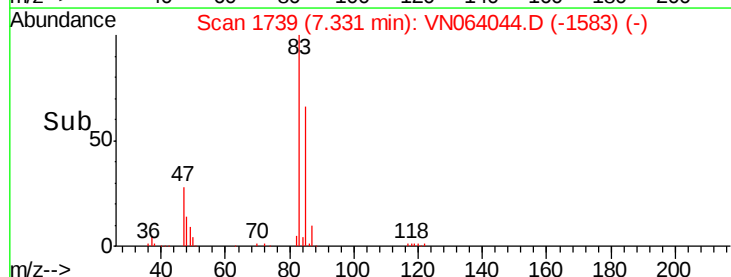
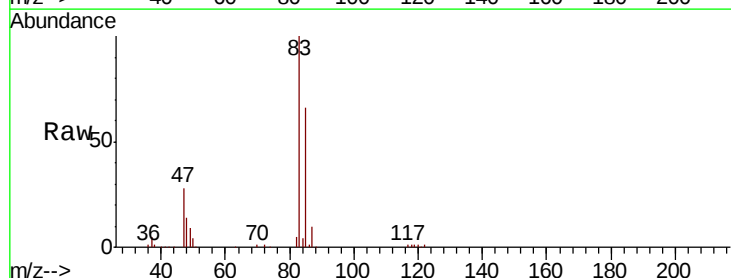
Instrument :
MSVOA_N
ClientSampled :
14B-1

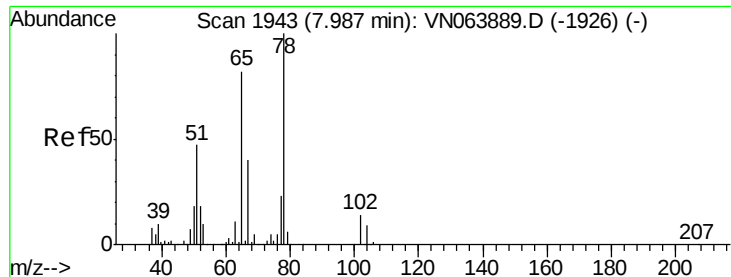
Tot Ion: 84 Resp: 759
Ion Ratio Lower Upper
84 100
49 112.7 97.8 146.8
51 42.9 30.7 46.1
86 50.6 51.5 77.3#



#25
Chloroform
Concen: 83.299 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Tgt Ion: 83 Resp: 459170
Ion Ratio Lower Upper
83 100
85 65.9 51.0 76.4





#27

1,2-Dichloroethane-d4

Concen: 31.373 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064044.D

Acq: 9 Oct 2020 17:38

Instrument :

MSVOA_N

ClientSampled :

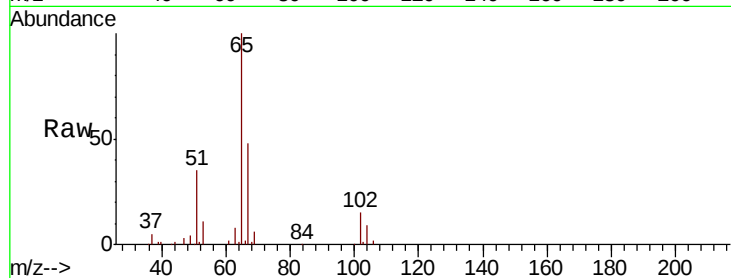
14B-1

Tot Ion: 65 Resp: 121870

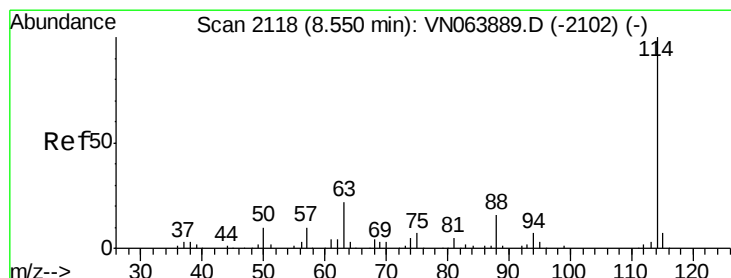
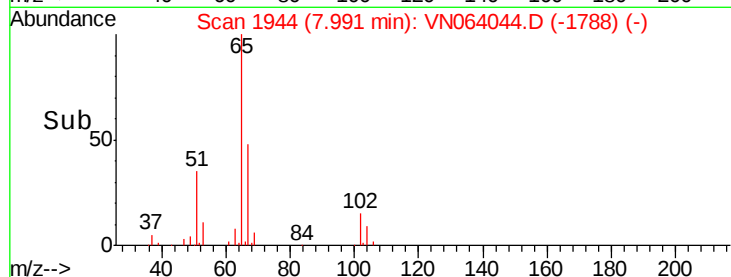
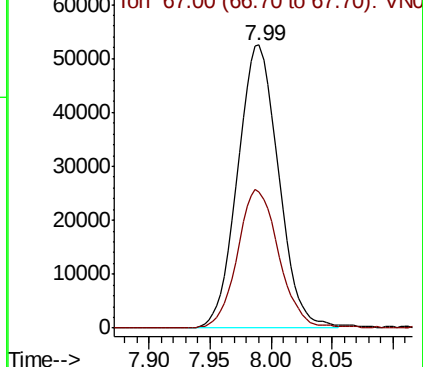
Ion Ratio Lower Upper

65 100

67 49.5 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN063889.D (-1926) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064044.D

Acq: 9 Oct 2020 17:38

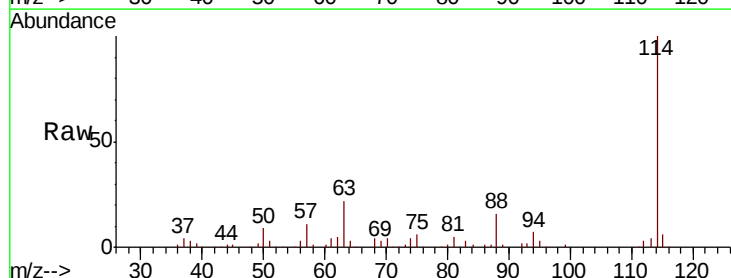
Tgt Ion: 114 Resp: 211515

Ion Ratio Lower Upper

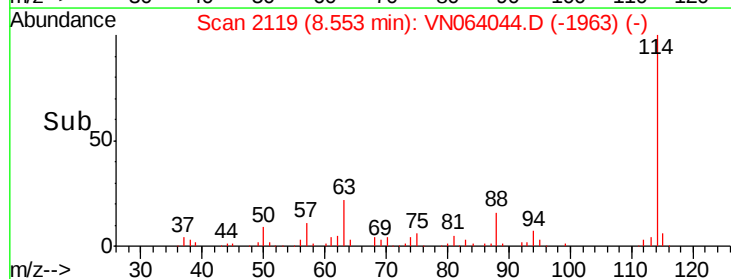
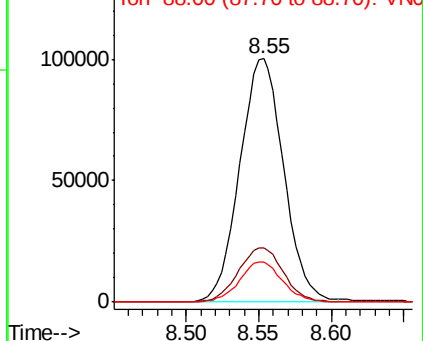
114 100

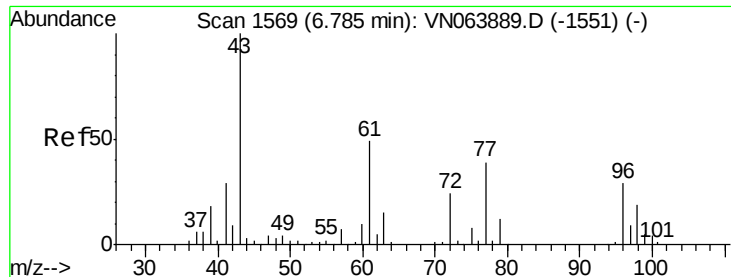
63 23.0 17.0 25.6

88 16.3 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)

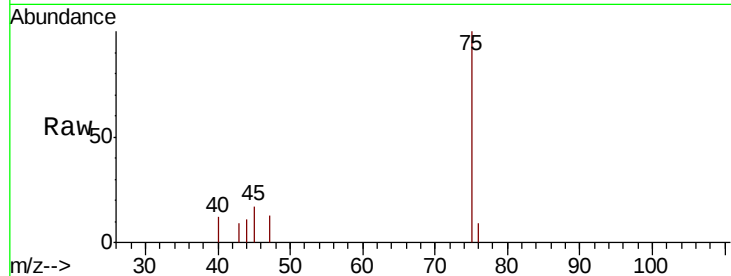




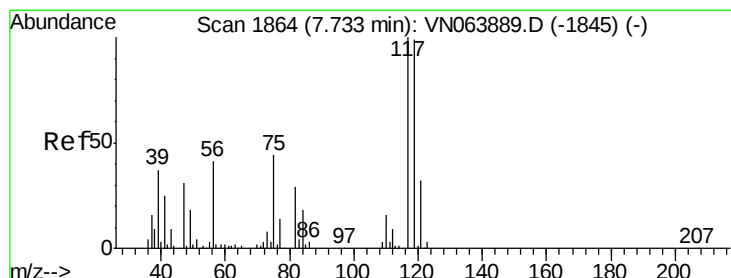
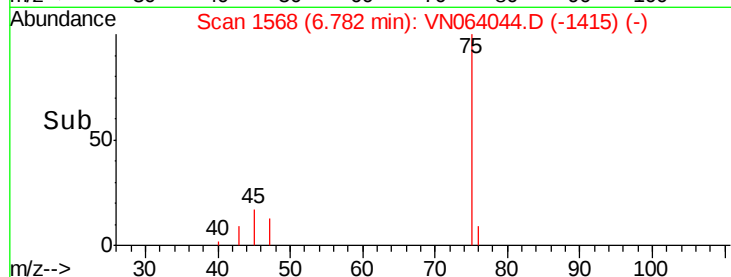
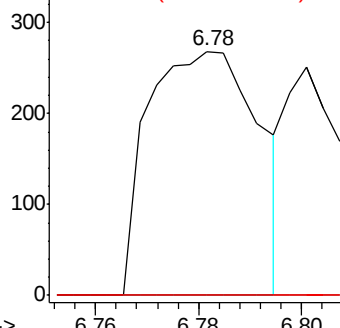
#30
2-Butanone
Concen: 0.218 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Instrument :
MSVOA_N
ClientSampled :
14B-1

Tot Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 0.0 21.3 31.9#

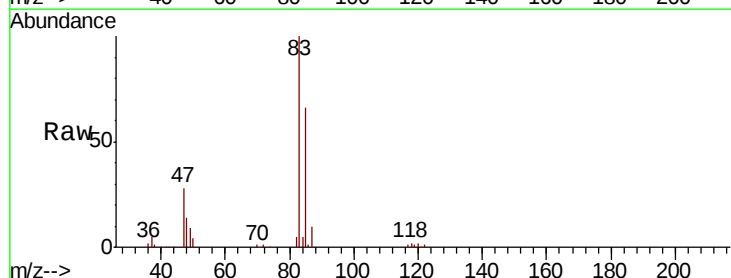


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

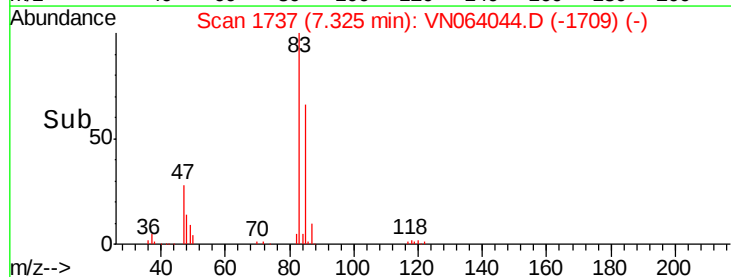
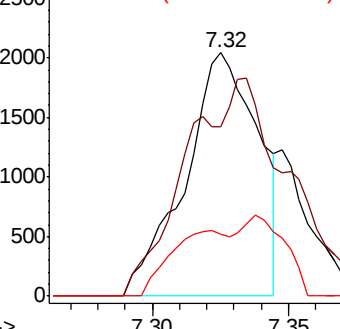


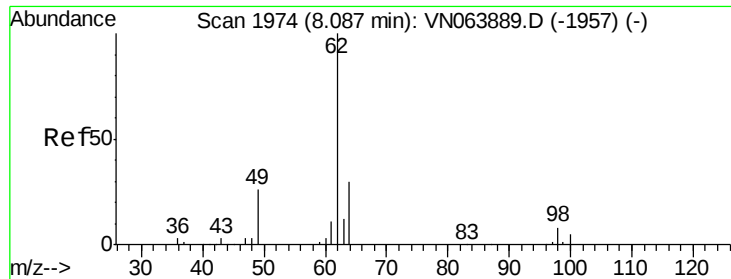
#33
Carbon Tetrachloride
Concen: 0.920 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.41 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Tgt Ion: 117 Resp: 3809
Ion Ratio Lower Upper
117 100
119 69.3 73.0 109.4#
121 25.3 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

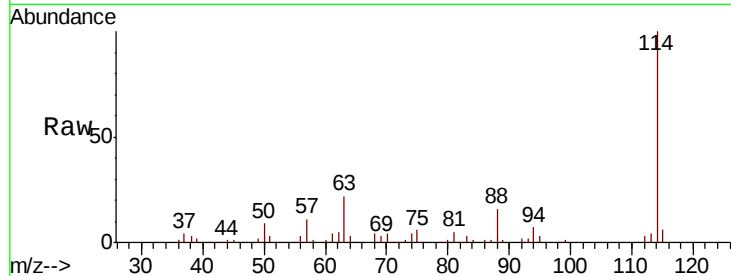




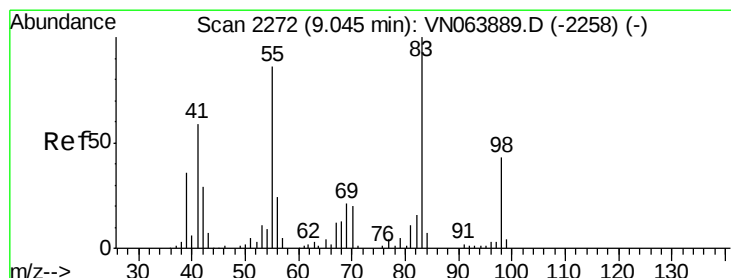
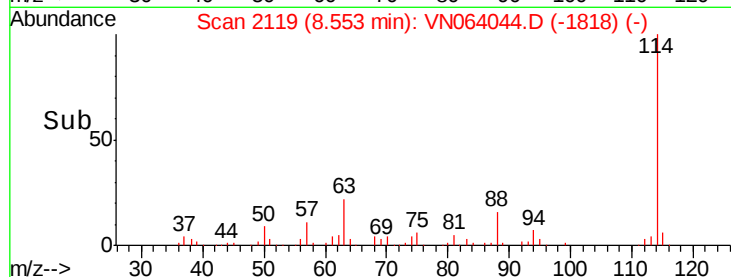
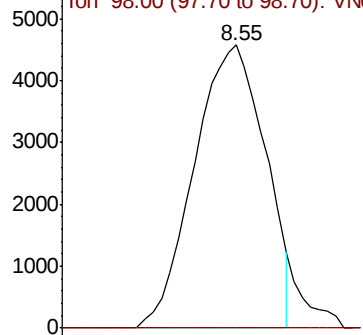
#36
 1,2-Dichloroethane
 Concen: 1.895 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.47 min
 Lab File: VN064044.D
 Acq: 9 Oct 2020 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Tot Ion: 62 Resp: 8767
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#

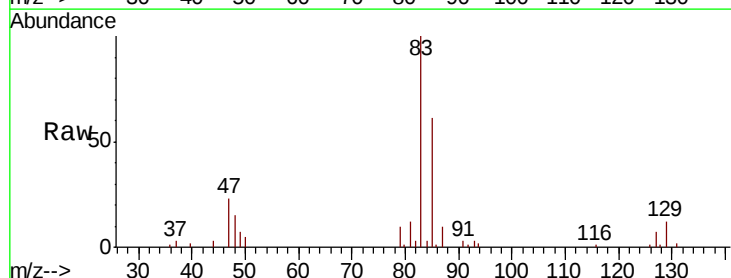


Abundance Ion 62.00 (61.70 to 62.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

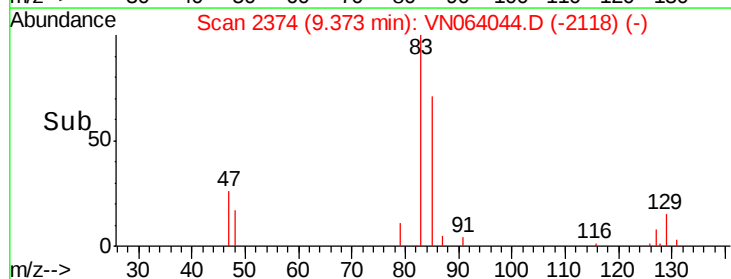
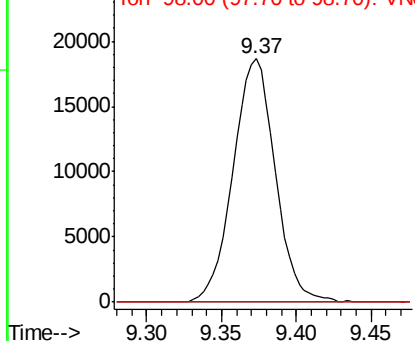


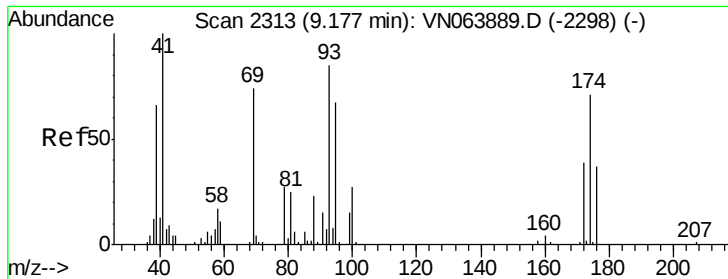
#38
 Methylcyclohexane
 Concen: 11.705 ug/l
 RT: 9.37 min Scan# 2374
 Delta R.T. 0.32 min
 Lab File: VN064044.D
 Acq: 9 Oct 2020 17:38

Tgt Ion: 83 Resp: 36606
 Ion Ratio Lower Upper
 83 100
 55 0.0 41.9 125.7#
 98 0.0 22.2 66.6#



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

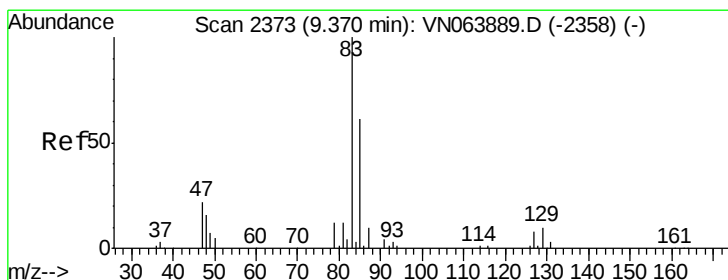
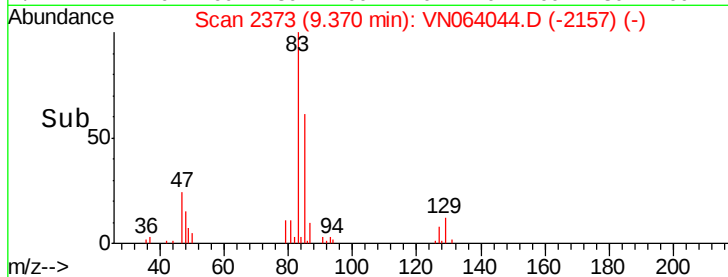
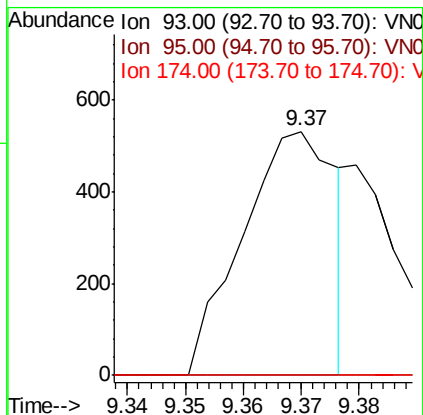
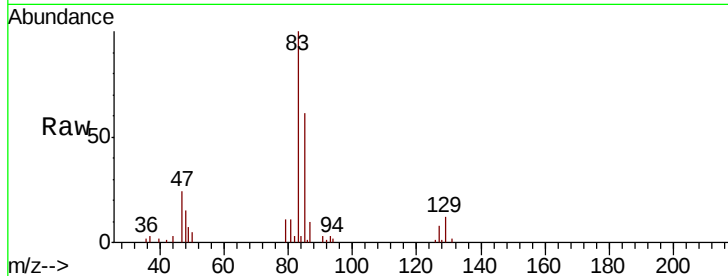




#40
Dibromomethane
Concen: 0.297 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.19 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

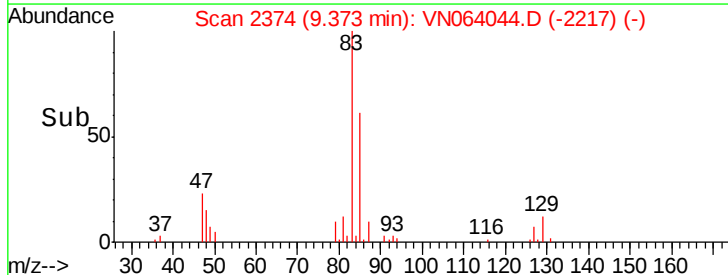
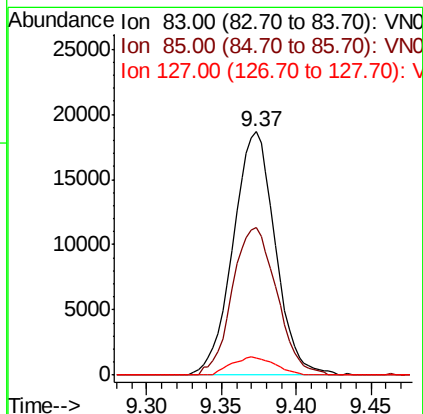
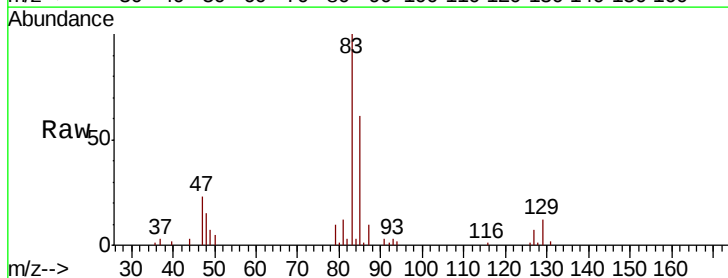
Instrument :
MSVOA_N
ClientSampleId :
14B-1

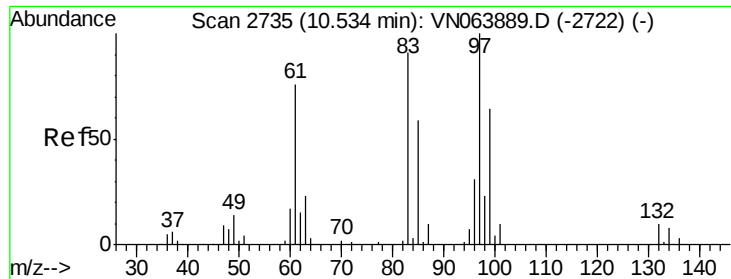
Tot Ion: 93 Resp: 594
Ion Ratio Lower Upper
93 100
95 0.0 0.0 168.2
174 0.0 0.0 208.4



#41
Bromodichloromethane
Concen: 8.813 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.01 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Tgt Ion: 83 Resp: 36606
Ion Ratio Lower Upper
83 100
85 60.6 52.6 79.0
127 7.1 7.4 11.0#





#50

1,1,2-Trichloroethane

Concen: 3.992 ug/l

RT: 10.07 min Scan# 2590

Delta R.T. -0.47 min

Lab File: VN064044.D

Acq: 9 Oct 2020 17:38

Instrument :

MSVOA_N

ClientSampled :

14B-1

Tot Ion: 97 Resp: 10654

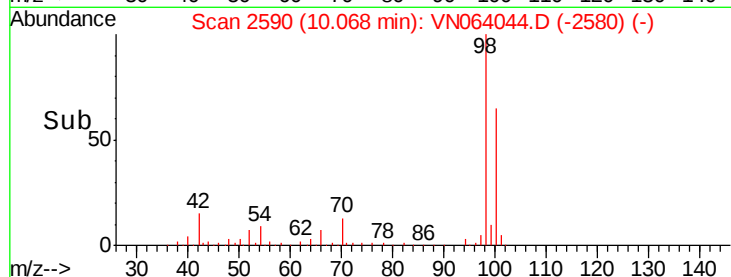
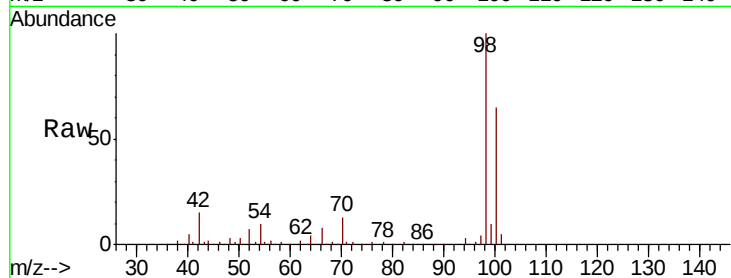
Ion Ratio Lower Upper

97 100

83 0.0 69.9 104.9#

85 0.0 44.0 66.0#

99 236.7 50.6 76.0#

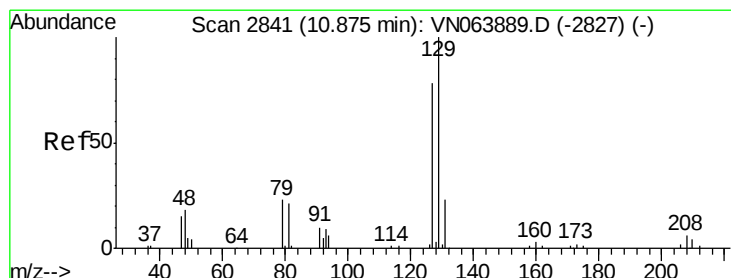
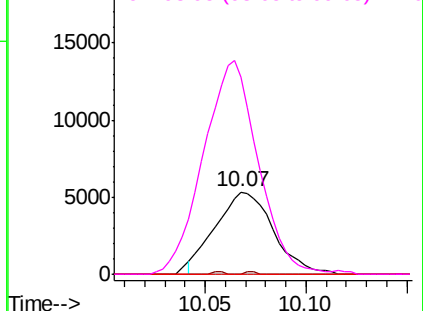


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#53

Dibromochloromethane

Concen: 0.519 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064044.D

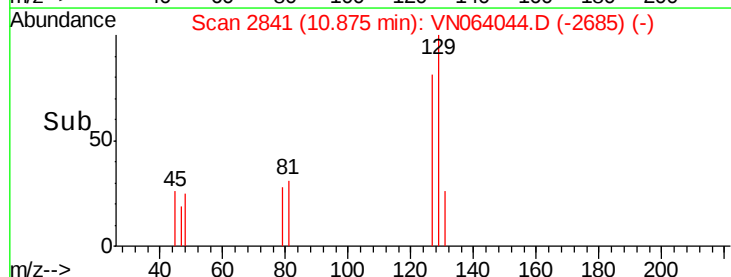
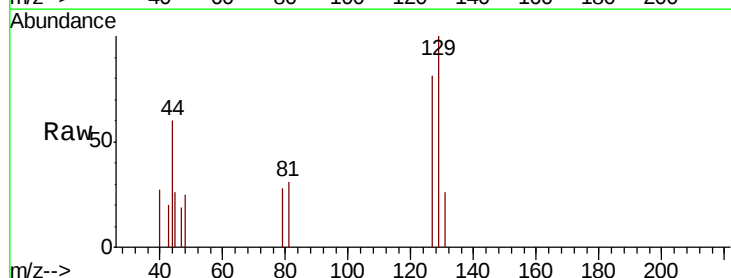
Acq: 9 Oct 2020 17:38

Tgt Ion: 129 Resp: 1594

Ion Ratio Lower Upper

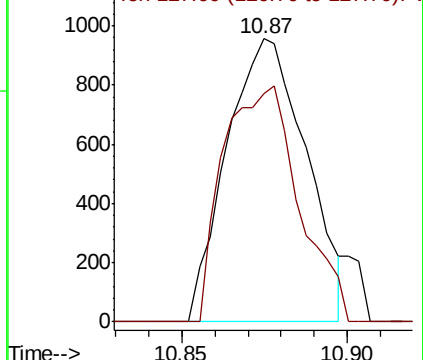
129 100

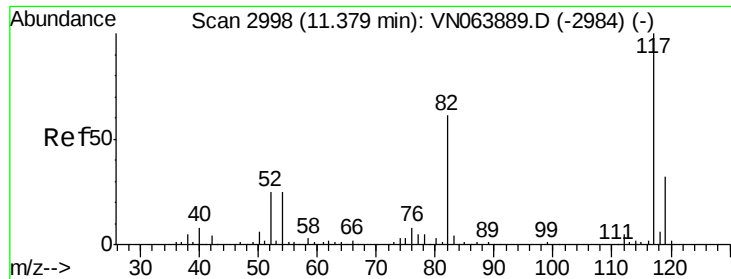
127 79.5 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

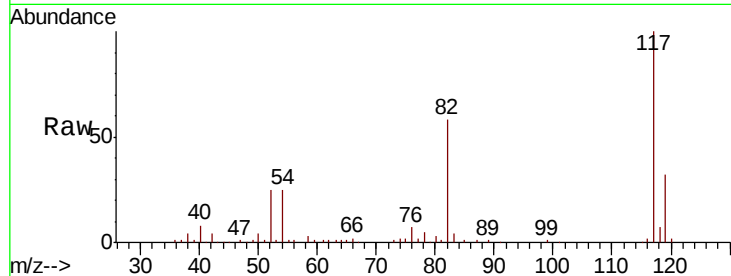




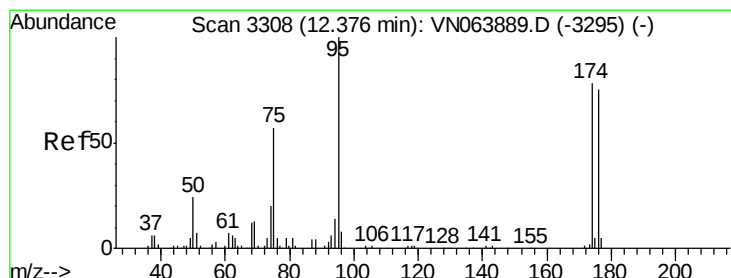
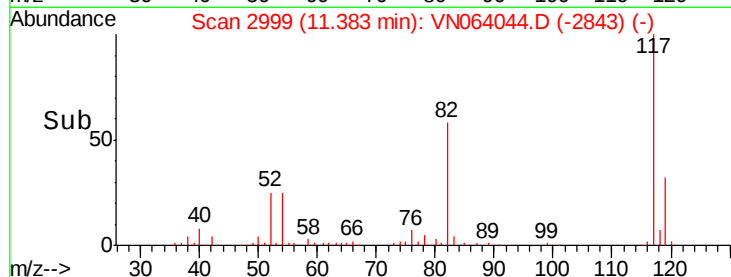
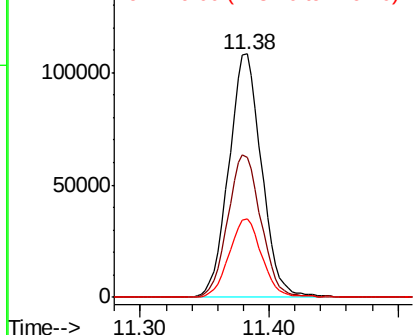
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Instrument :
MSVOA_N
ClientSampled :
14B-1

Tot Ion:117 Resp: 191258
Ion Ratio Lower Upper
117 100
82 59.3 44.9 67.3
119 32.0 26.0 39.0

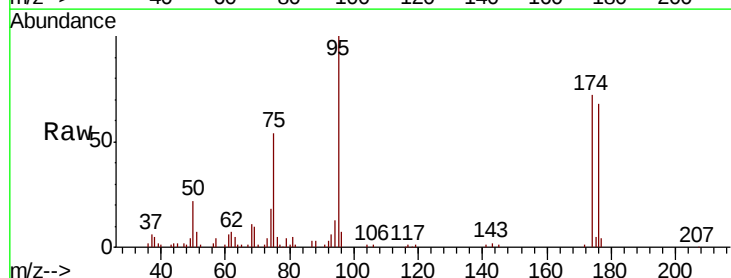


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

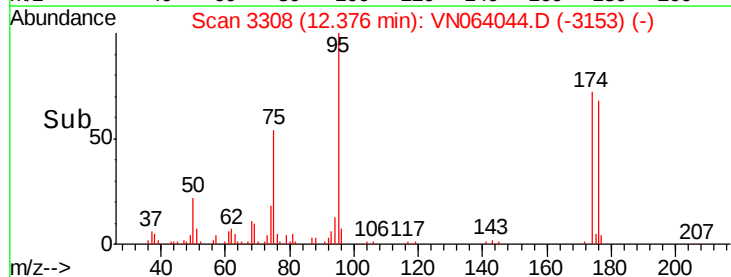
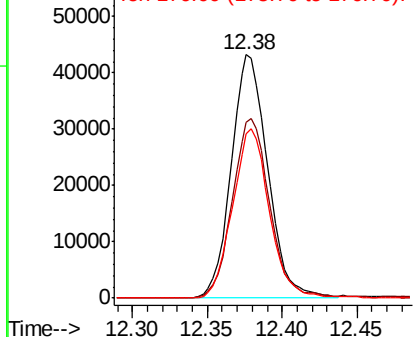


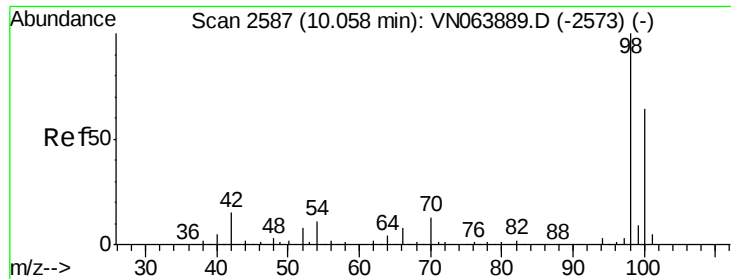
#60
4-Bromofluorobenzene
Concen: 22.446 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Tgt Ion: 95 Resp: 73415
Ion Ratio Lower Upper
95 100
174 75.1 70.1 105.1
176 69.8 66.8 100.2



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

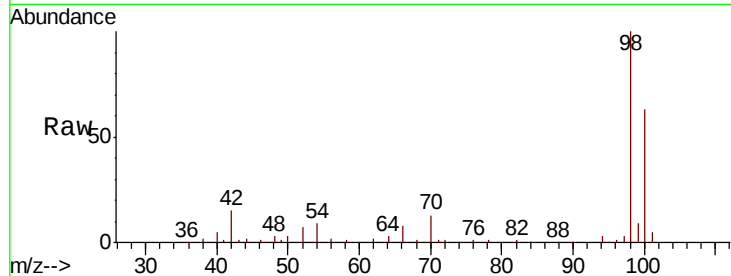




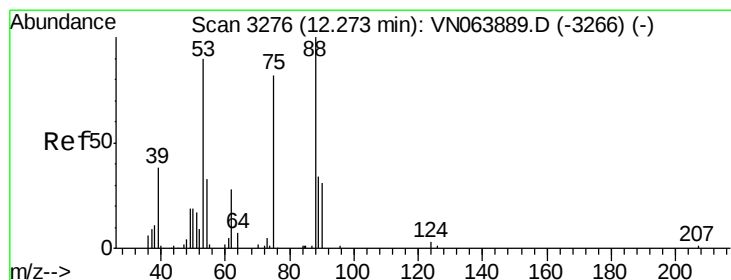
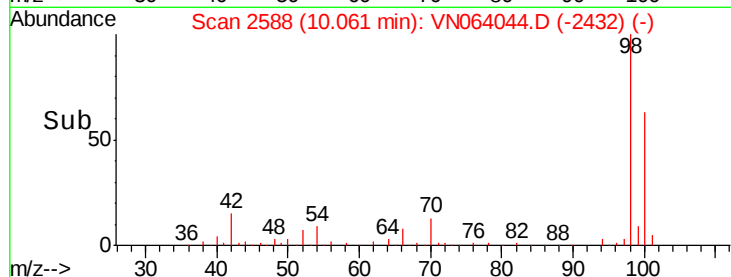
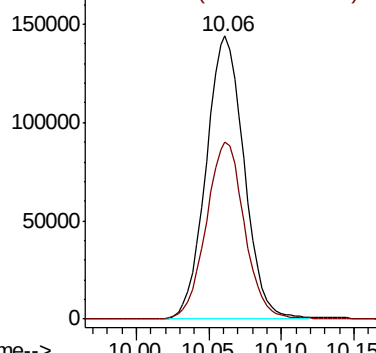
#63
Toluene-d8
Concen: 30.197 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tot Ion: 98 Resp: 261733
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.2

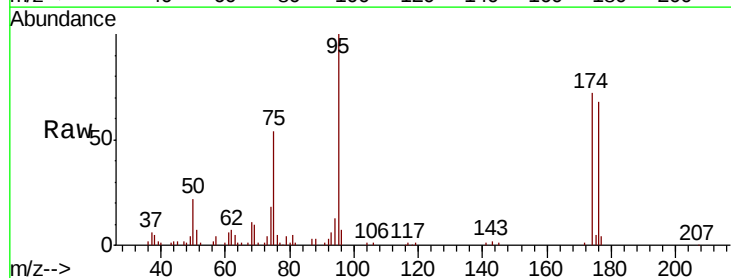


Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)
Ion 100.00 (99.70 to 100.70): VN063889.D (-2573) (-)



#77
t-1,4-Dichloro-2-butene
Concen: 30.730 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064044.D
Acq: 9 Oct 2020 17:38

Tgt Ion: 75 Resp: 40007
Ion Ratio Lower Upper
75 100
53 0.0 47.0 141.0#
89 0.0 22.9 68.7#



Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-3266) (-)
Ion 53.00 (52.70 to 53.70): VN063889.D (-3266) (-)
Ion 89.00 (88.70 to 89.70): VN063889.D (-3266) (-)

