

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064040.D
 Acq On : 9 Oct 2020 16:02
 Operator : JC/MD
 Sample : L4327-01 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Oct 10 01:29:48 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	42915	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	216117	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	198664	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	120113	31.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.87%
60) 4-Bromofluorobenzene	12.38	95	77454	22.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.00%
63) Toluene-d8	10.06	98	267898	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

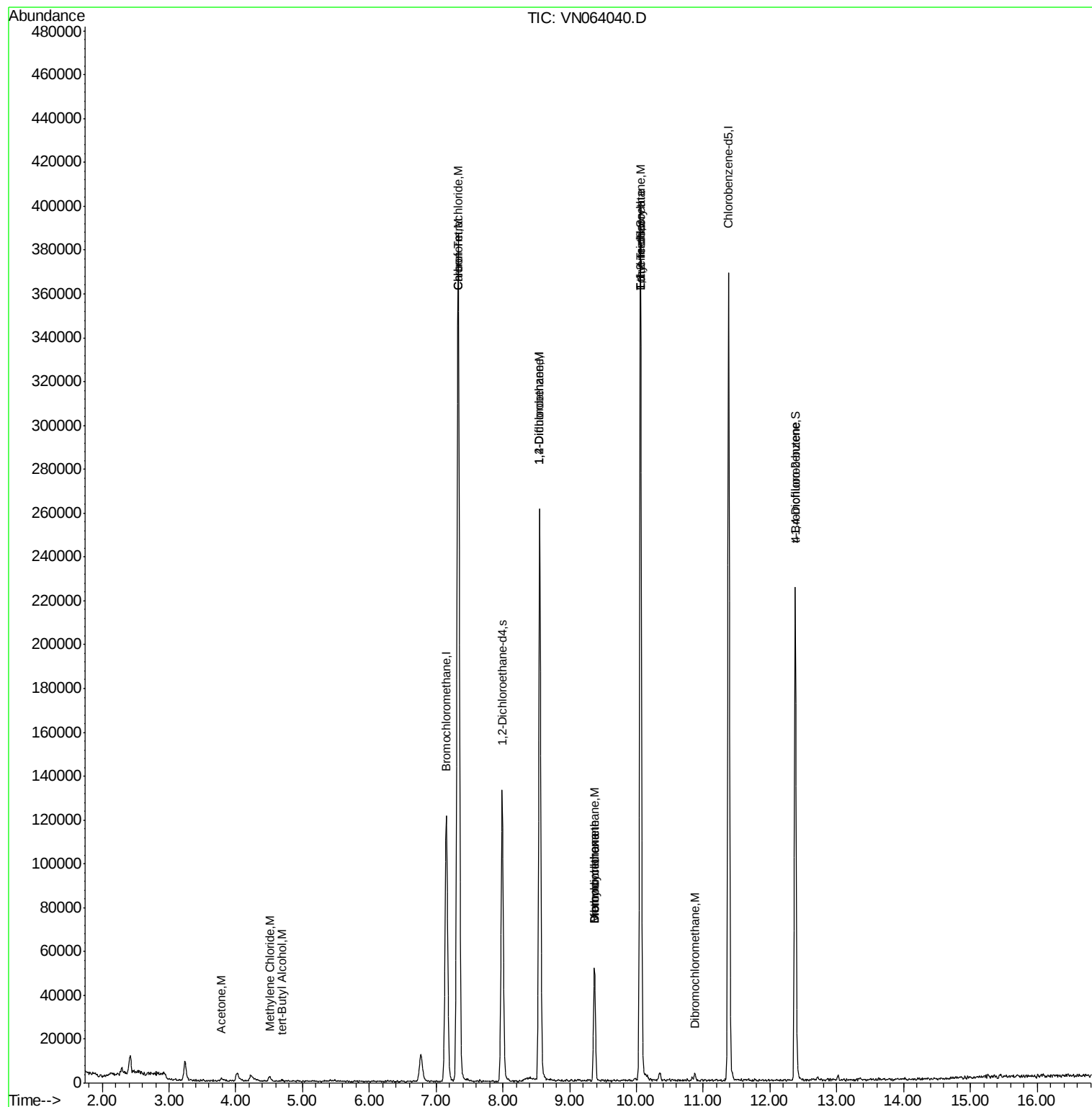
					Ovalue	
15) Acetone	3.78	58	320	0.949	ug/l #	33
18) Methylene Chloride	4.50	84	1039	0.376	ug/l	89
23) tert-Butyl Alcohol	4.70	59	318	0.636	ug/l #	100
25) Chloroform	7.33	83	402673	73.625	ug/l	96
33) Carbon Tetrachloride	7.33	117	4429	1.047	ug/l	94
36) 1,2-Dichloroethane	8.55	62	8736	1.848	ug/l #	74
38) Methylcyclohexane	9.37	83	33821	10.584	ug/l #	16
40) Dibromomethane	9.37	93	900	0.441	ug/l #	2
41) Bromodichloromethane	9.37	83	33821	7.969	ug/l	95
50) 1,1,2-Trichloroethane	10.07	97	10276	3.769	ug/l #	1
51) Ethyl methacrylate	10.06	69	1331	0.337	ug/l	78
53) Dibromochloromethane	10.88	129	2018	0.643	ug/l	59
77) t-1,4-Dichloro-2-butene	12.38	75	43700	32.315	ug/l #	12

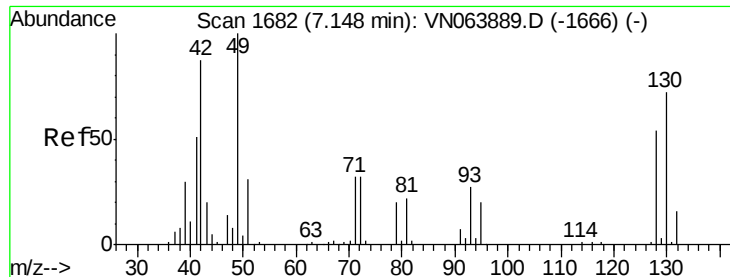
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100920\
Data File : VN064040.D
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Operator : JC/MD
Sample : L4327-01 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Quant Time: Oct 10 01:29:48 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# 1684

Delta R.T. 0.00 min

Lab File: VN064040.D

Acq: 9 Oct 2020 16:02

Instrument :

MSVOA_N

ClientSampled :

14B-1

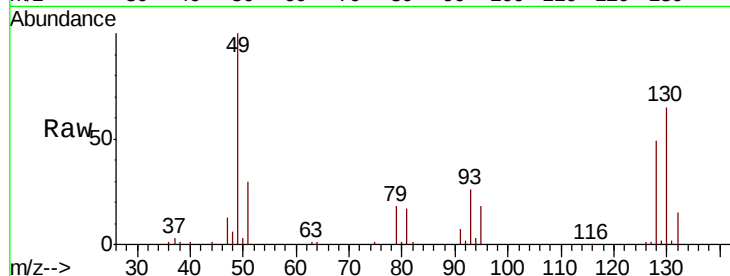
Tot Ion:128 Resp: 42915

Ion Ratio Lower Upper

128 100

49 199.4 0.0 437.5

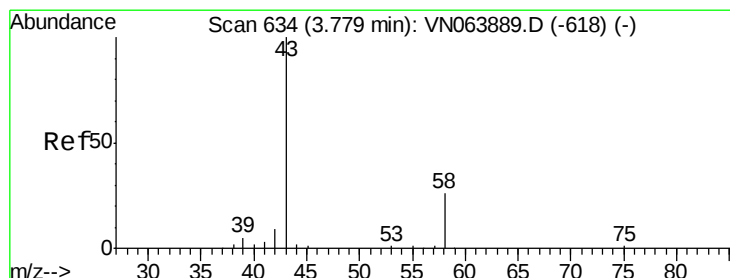
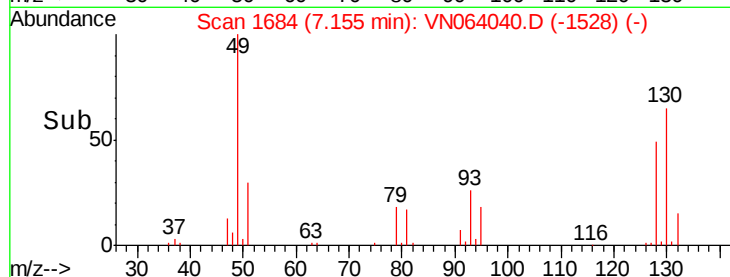
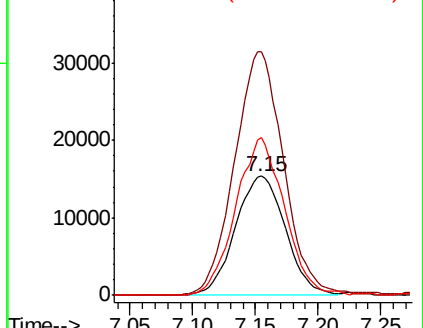
130 127.7 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.949 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064040.D

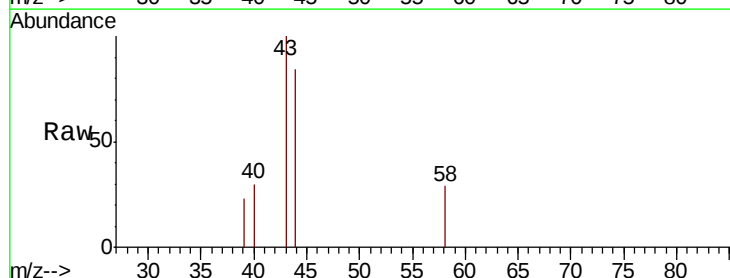
Acq: 9 Oct 2020 16:02

Tgt Ion: 58 Resp: 320

Ion Ratio Lower Upper

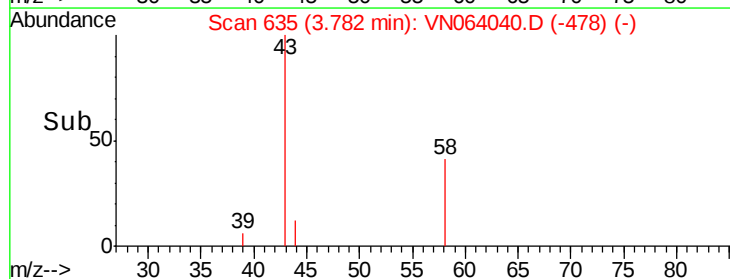
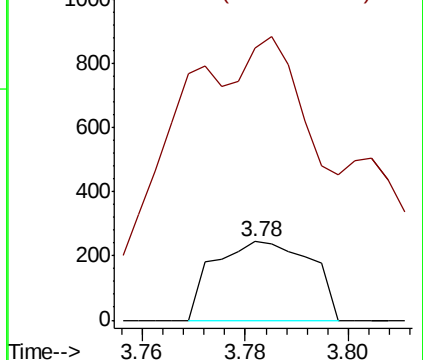
58 100

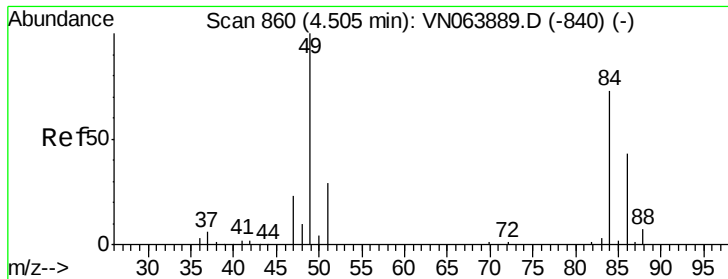
43 162.3 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN

Ion 43.00 (42.70 to 43.70): VN

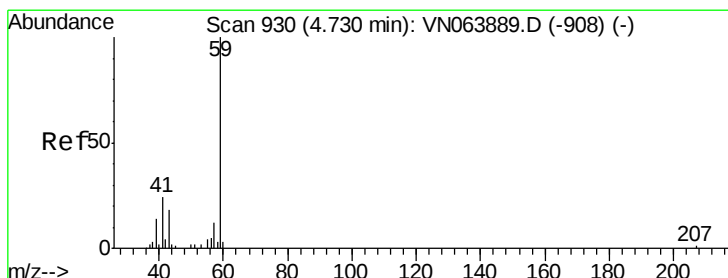
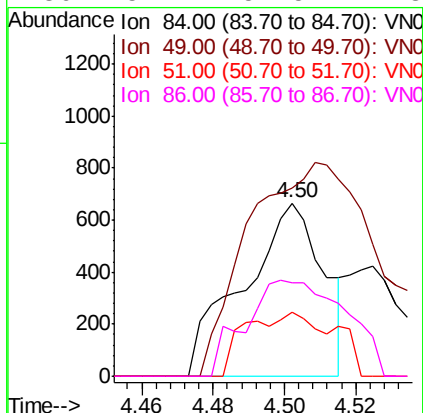
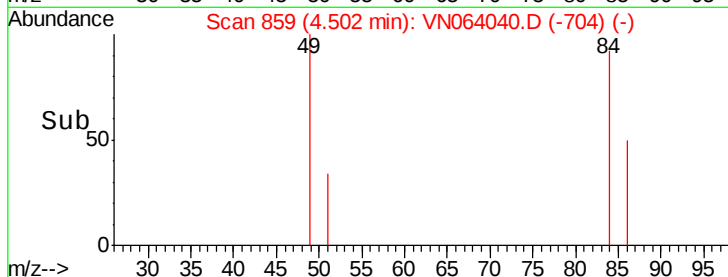
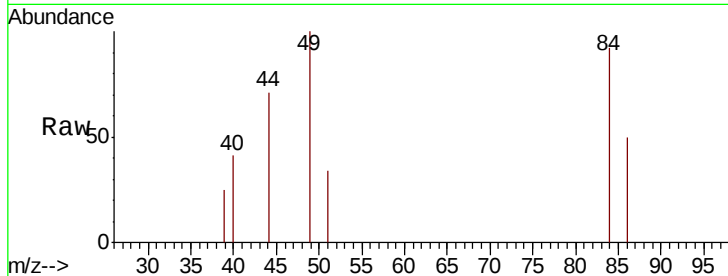




#18
Methvlene Chloride
Concen: 0.376 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064040.D
Acq: 9 Oct 2020 16:02

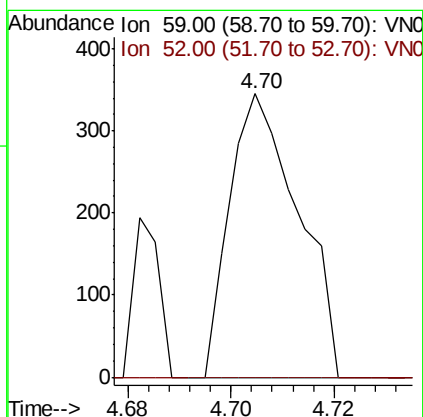
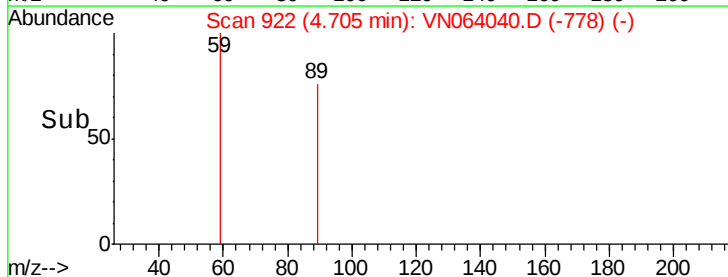
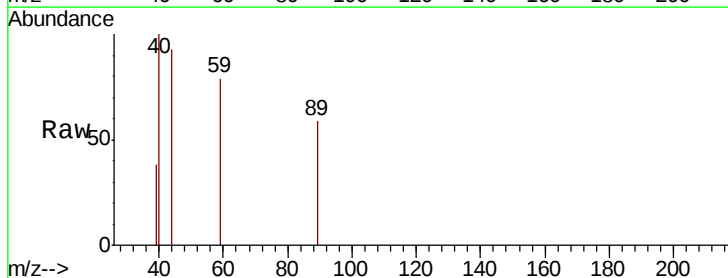
Instrument :
MSVOA_N
ClientSampled :
14B-1

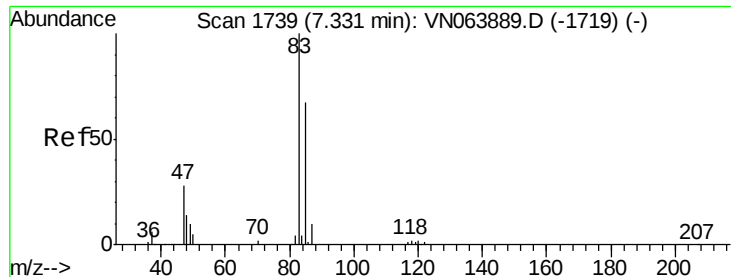
Tot Ion: 84 Resp: 1039
Ion Ratio Lower Upper
84 100
49 108.4 97.8 146.8
51 37.1 30.7 46.1
86 54.2 51.5 77.3



#23
tert-Butyl Alcohol
Concen: 0.636 ug/l
RT: 4.70 min Scan# 922
Delta R.T. -0.04 min
Lab File: VN064040.D
Acq: 9 Oct 2020 16:02

Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 73.625 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064040.D

Acq: 9 Oct 2020 16:02

Instrument :

MSVOA_N

ClientSampled :

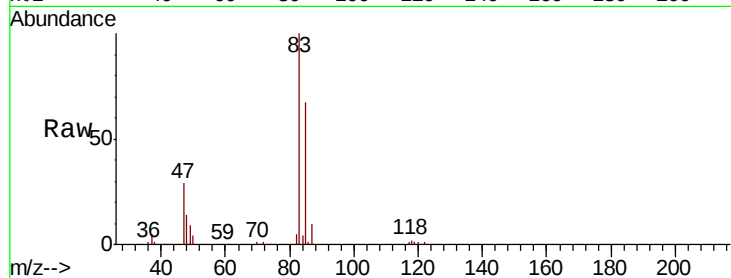
14B-1

Tot Ion: 83 Resp: 402673

Ion Ratio Lower Upper

83 100

85 66.6 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.33

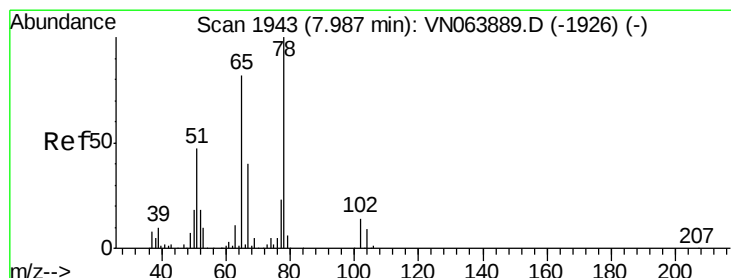
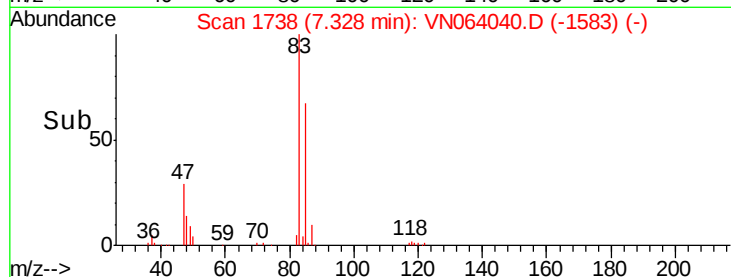
150000

100000

50000

0

Time--> 7.20 7.30 7.40



#27

1,2-Dichloroethane-d4

Concen: 31.164 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064040.D

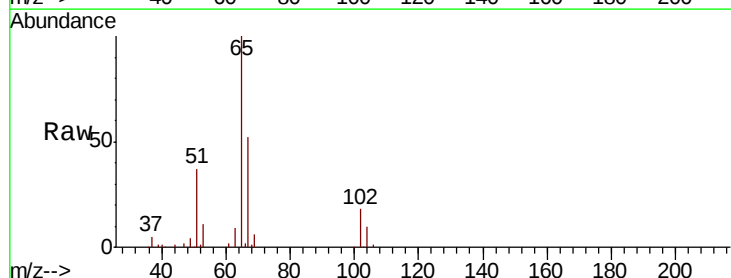
Acq: 9 Oct 2020 16:02

Tgt Ion: 65 Resp: 120113

Ion Ratio Lower Upper

65 100

67 49.3 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

7.99

60000

50000

40000

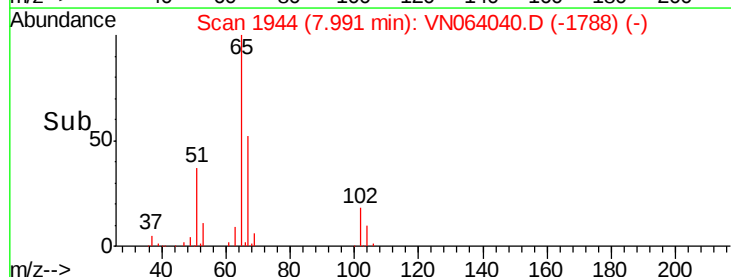
30000

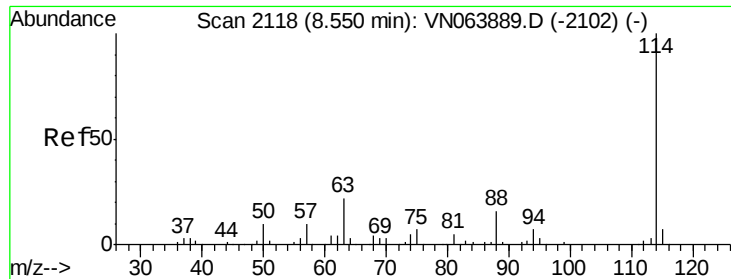
20000

10000

0

Time--> 7.90 8.00 8.10

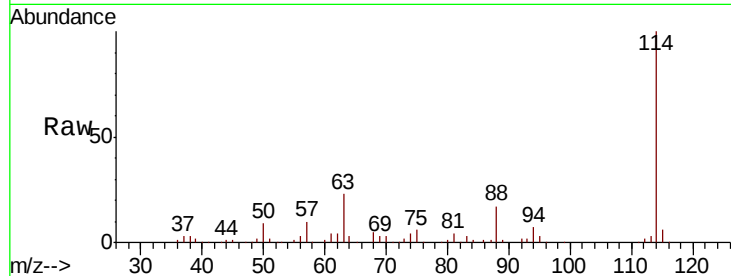




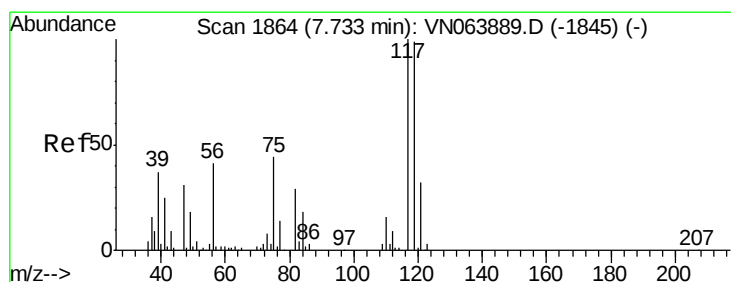
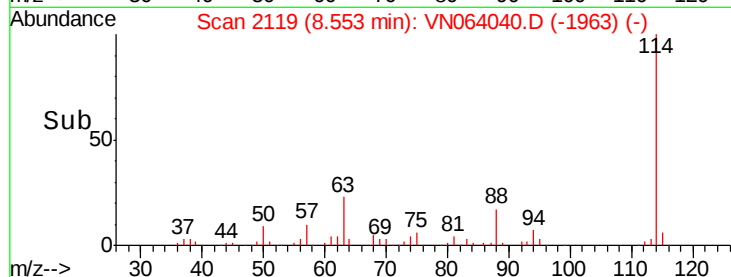
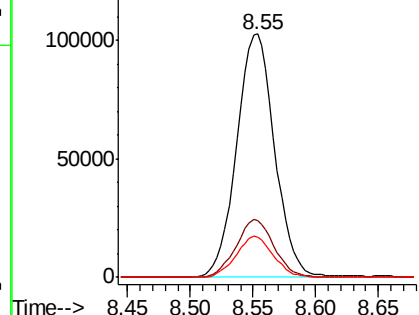
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064040.D
 Acq: 9 Oct 2020 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 14B-1

Tot Ion:114 Resp: 216117
 Ion Ratio Lower Upper
 114 100
 63 23.6 17.0 25.6
 88 16.4 12.6 18.8

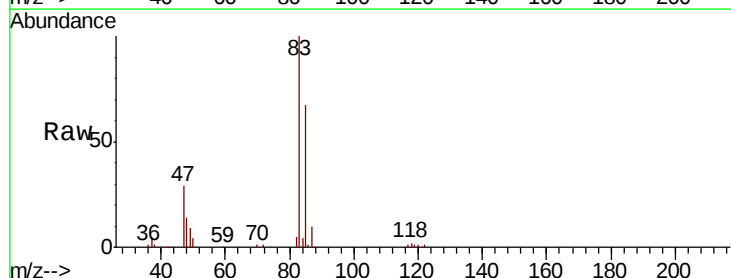


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

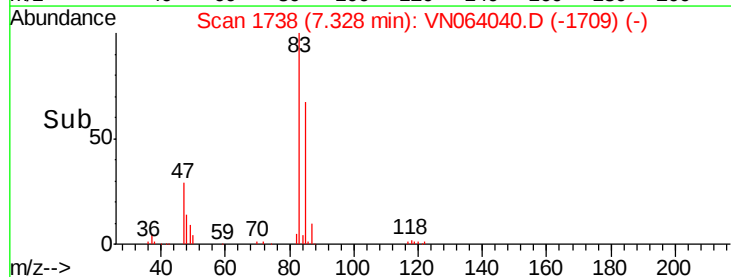
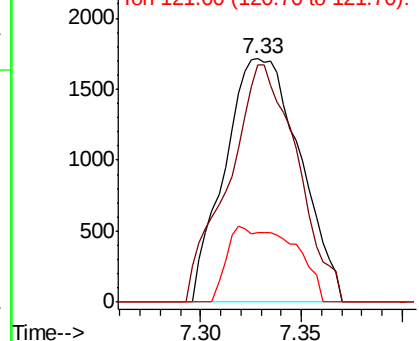


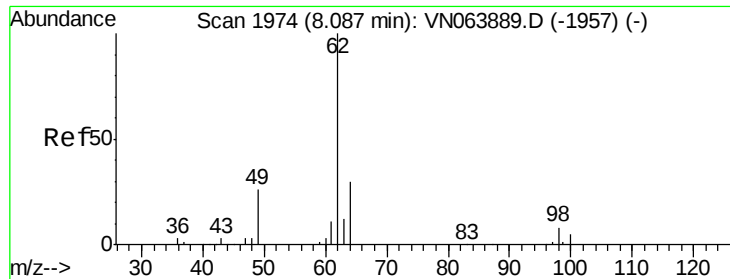
#33
 Carbon Tetrachloride
 Concen: 1.047 ug/l
 RT: 7.33 min Scan# 1738
 Delta R.T. -0.41 min
 Lab File: VN064040.D
 Acq: 9 Oct 2020 16:02

Tgt Ion:117 Resp: 4429
 Ion Ratio Lower Upper
 117 100
 119 97.3 73.0 109.4
 121 28.6 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

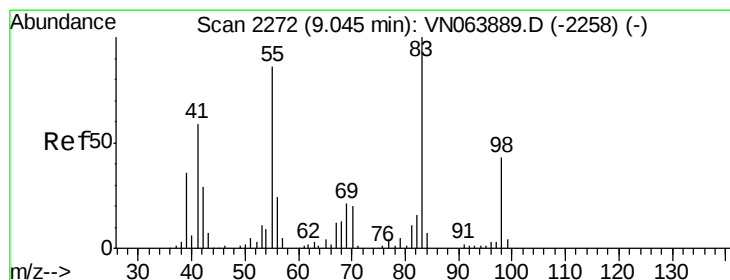
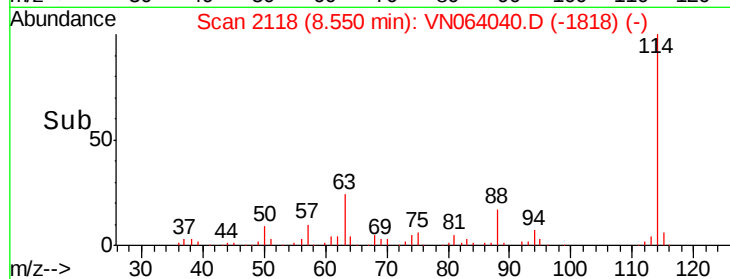
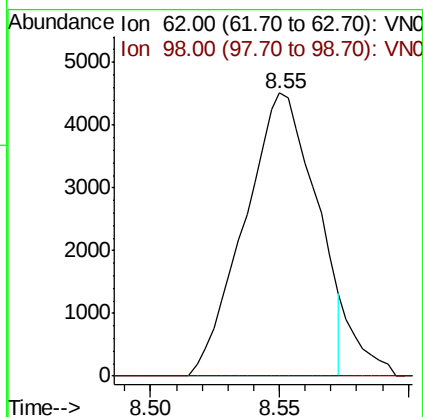
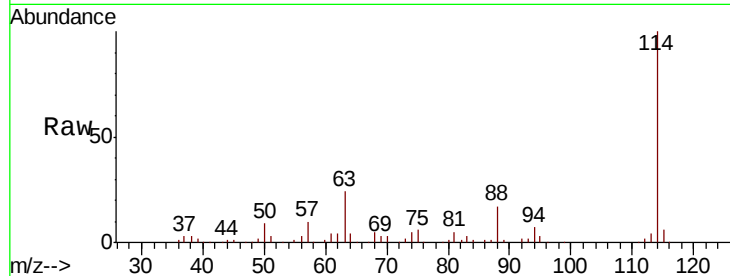




#36
 1,2-Dichloroethane
 Concen: 1.848 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.47 min
 Lab File: VN064040.D
 Acq: 9 Oct 2020 16:02

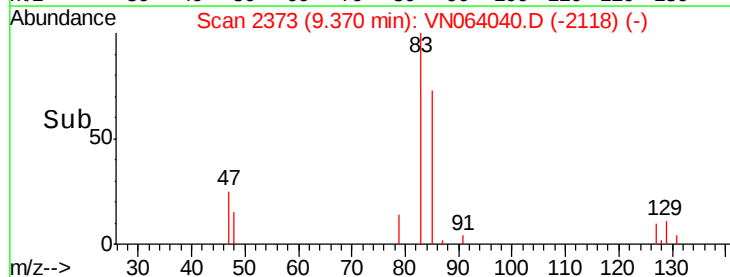
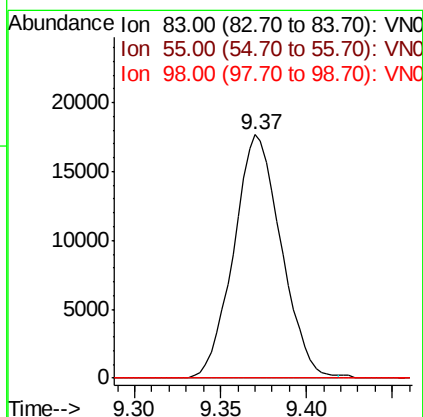
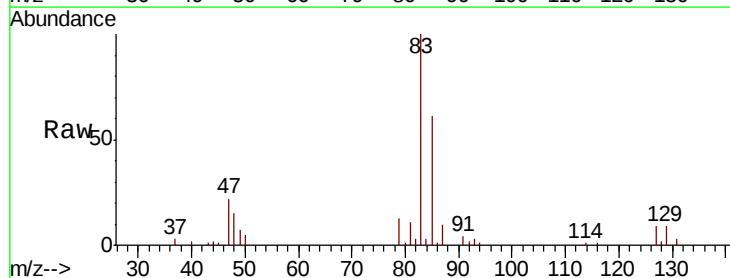
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

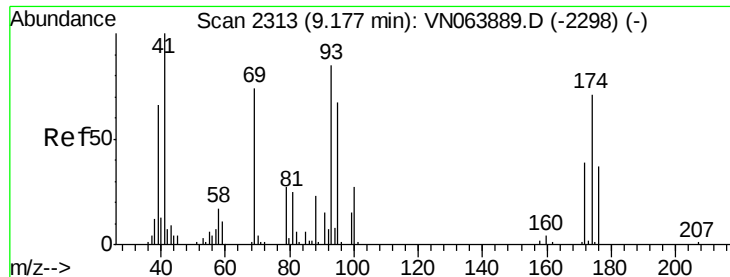
Tot Ion: 62 Resp: 8736
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#38
 Methylcyclohexane
 Concen: 10.584 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.32 min
 Lab File: VN064040.D
 Acq: 9 Oct 2020 16:02

Tgt Ion: 83 Resp: 33821
 Ion Ratio Lower Upper
 83 100
 55 0.0 41.9 125.7#
 98 0.0 22.2 66.6#





#40

Dibromomethane

Concen: 0.441 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.20 min

Lab File: VN064040.D

Acq: 9 Oct 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

14B-1

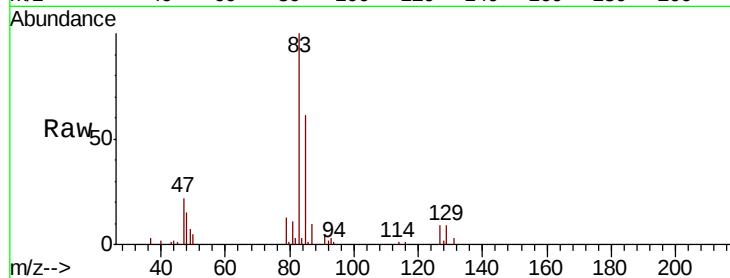
Tot Ion: 93 Resp: 900

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.2

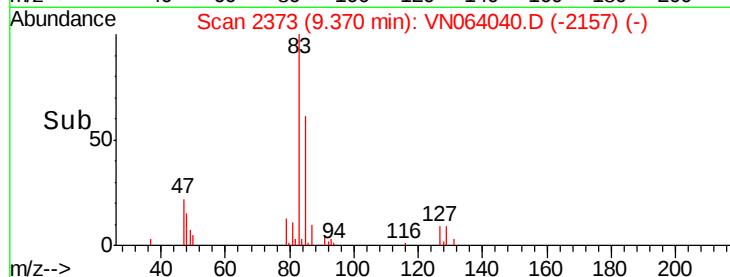
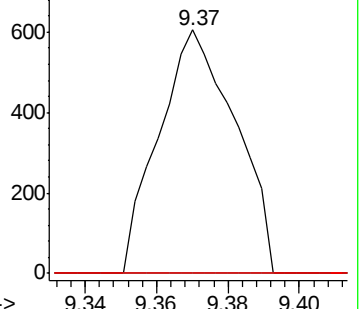
174 0.0 0.0 208.4



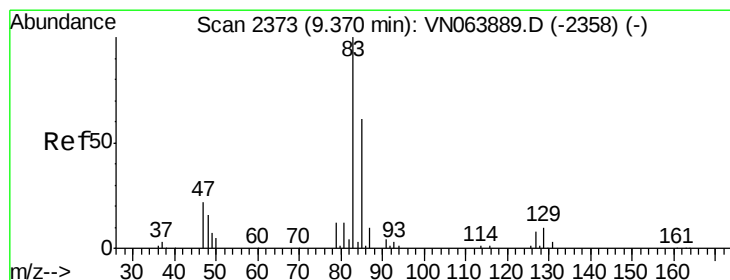
Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V



Time-->



#41

Bromodichloromethane

Concen: 7.969 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064040.D

Acq: 9 Oct 2020 16:02

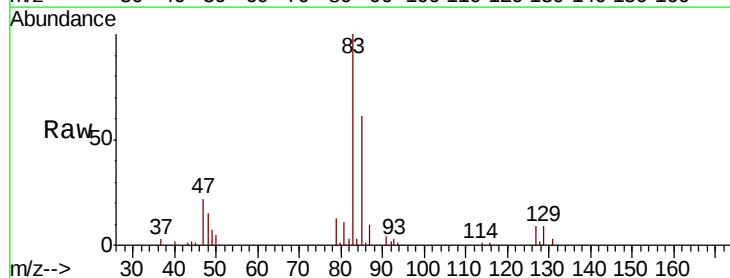
Tgt Ion: 83 Resp: 33821

Ion Ratio Lower Upper

83 100

85 61.3 52.6 79.0

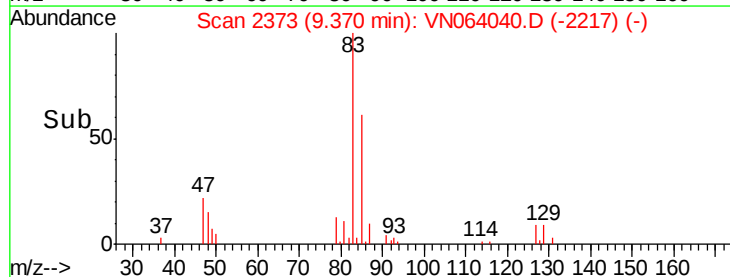
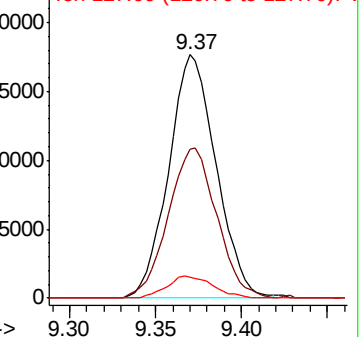
127 8.8 7.4 11.0



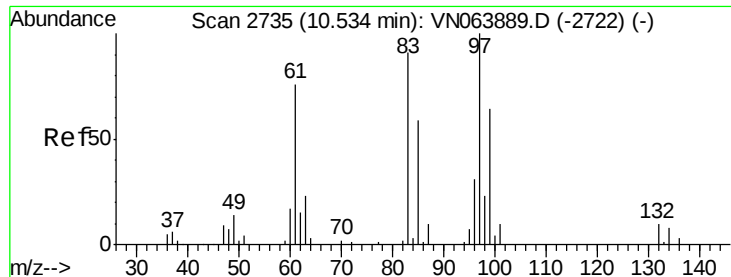
Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



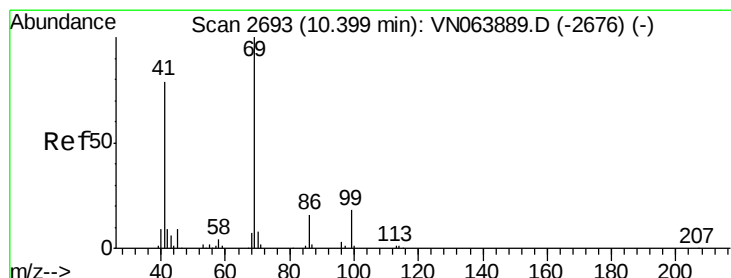
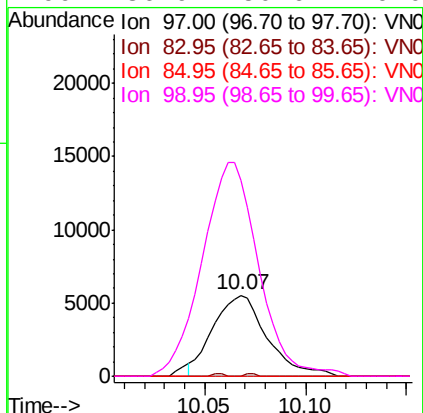
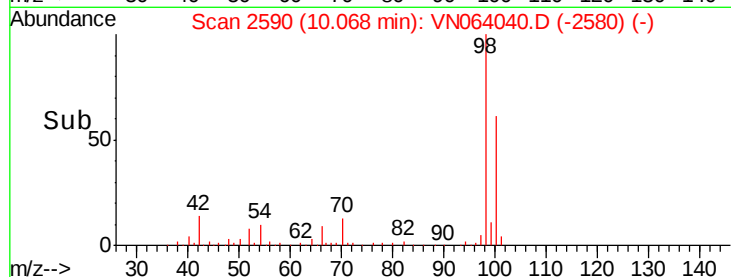
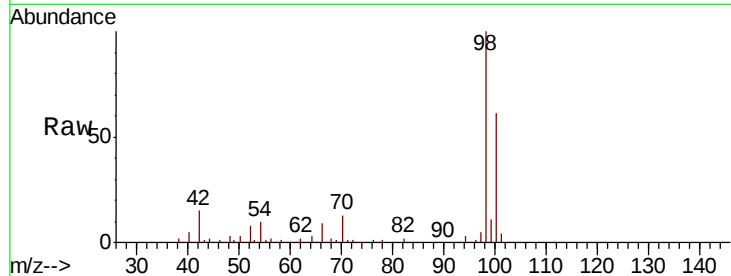
Time-->



#50
 1,1,2-Trichloroethane
 Concen: 3.769 ug/l
 RT: 10.07 min Scan# 2590
 Delta R.T. -0.47 min
 Lab File: VN064040.D
 Acq: 9 Oct 2020 16:02

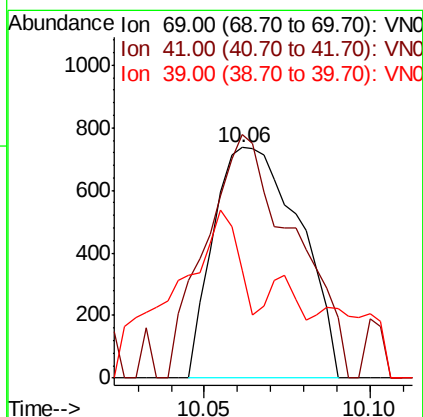
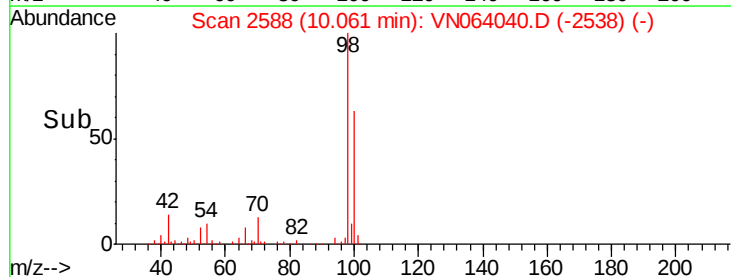
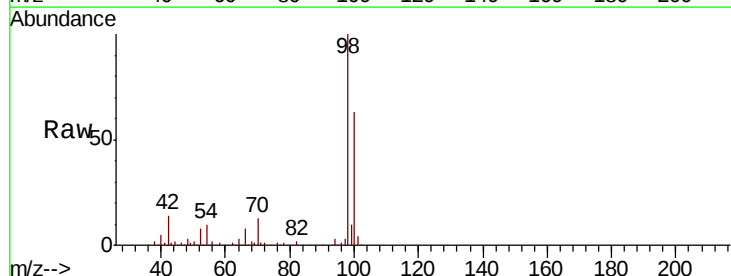
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

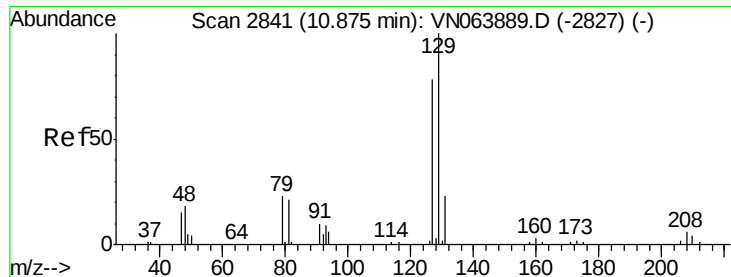
Tot Ion: 97 Resp: 10276
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.9 104.9#
 85 0.0 44.0 66.0#
 99 236.9 50.6 76.0#



#51
 Ethyl methacrylate
 Concen: 0.337 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. -0.34 min
 Lab File: VN064040.D
 Acq: 9 Oct 2020 16:02

Tgt Ion: 69 Resp: 1331
 Ion Ratio Lower Upper
 69 100
 41 79.4 32.1 96.5
 39 16.6 16.1 48.3





#53

Dibromochloromethane

Concen: 0.643 ug/l

RT: 10.88 min Scan# 2842

Delta R.T. 0.01 min

Lab File: VN064040.D

Acq: 9 Oct 2020 16:02

Instrument :

MSVOA_N

ClientSampled :

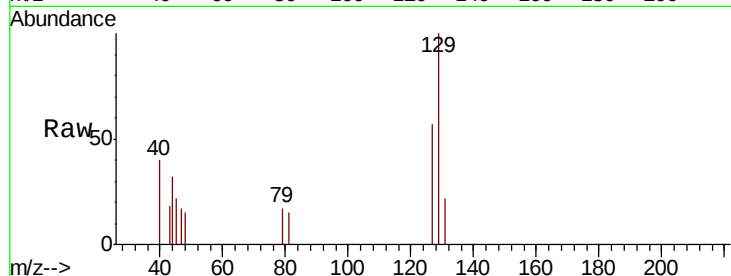
14B-1

Tot Ion:129 Resp: 2018

Ion Ratio Lower Upper

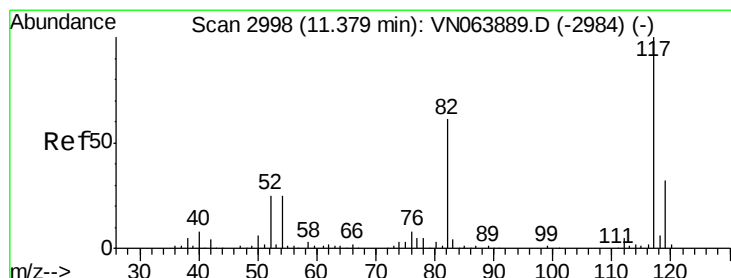
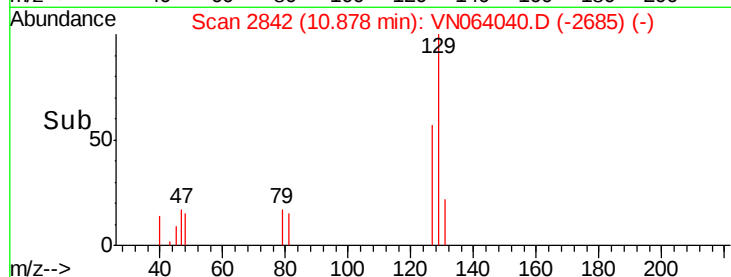
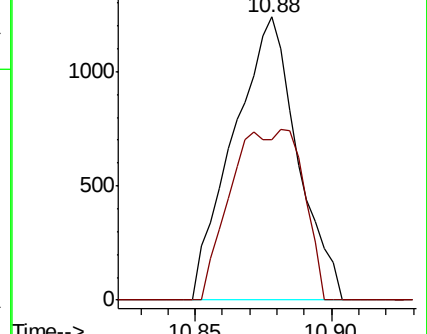
129 100

127 41.8 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# 2998

Delta R.T. -0.00 min

Lab File: VN064040.D

Acq: 9 Oct 2020 16:02

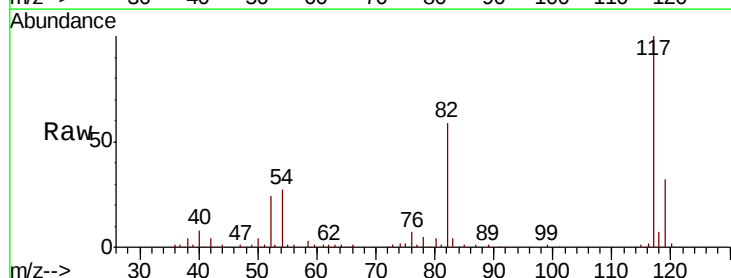
Tgt Ion:117 Resp: 198664

Ion Ratio Lower Upper

117 100

82 60.2 44.9 67.3

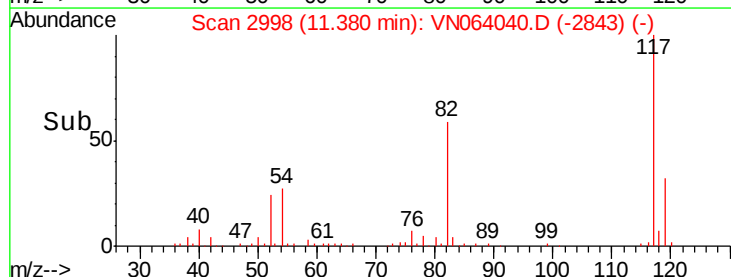
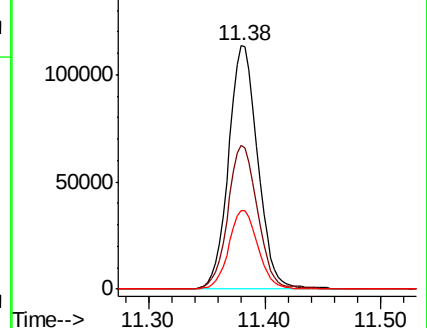
119 32.3 26.0 39.0

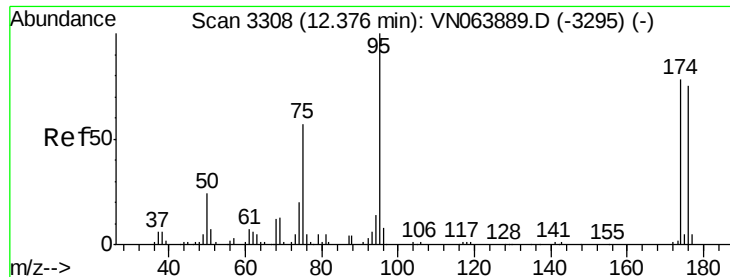


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

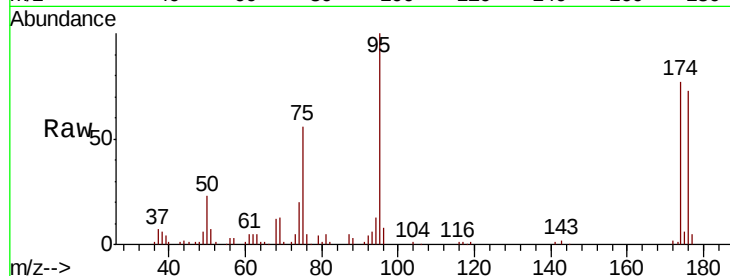




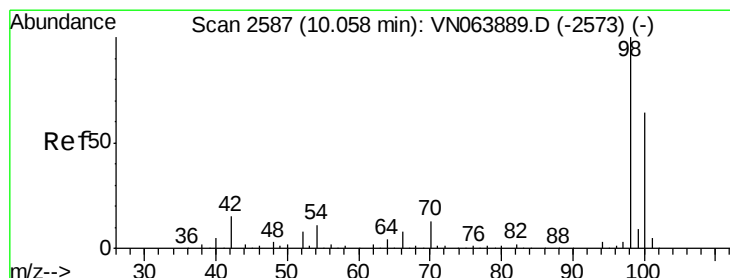
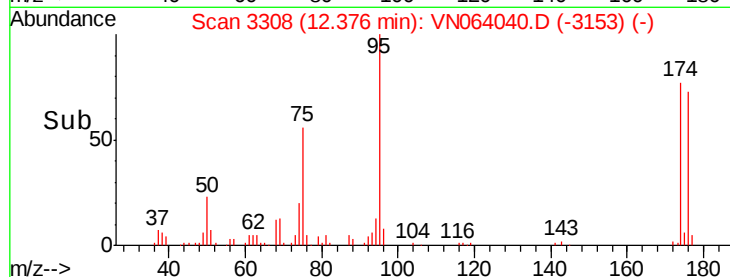
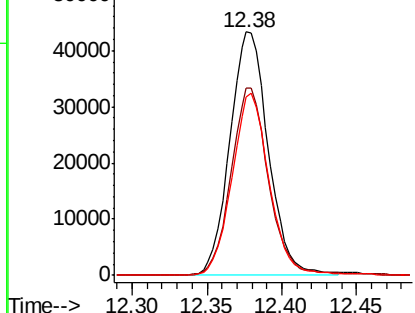
#60
4-Bromofluorobenzene
Concen: 22.798 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064040.D
Acq: 9 Oct 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
14B-1

Tot Ion: 95 Resp: 77454
Ion Ratio Lower Upper
95 100
174 75.1 70.1 105.1
176 72.2 66.8 100.2

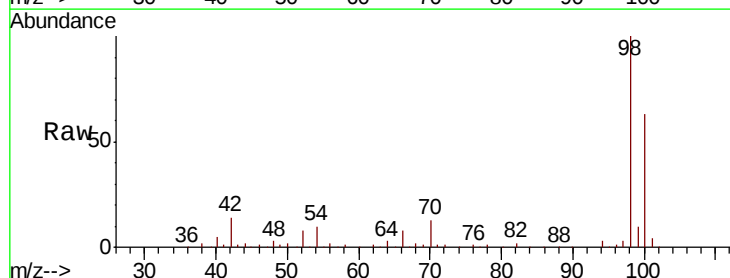


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

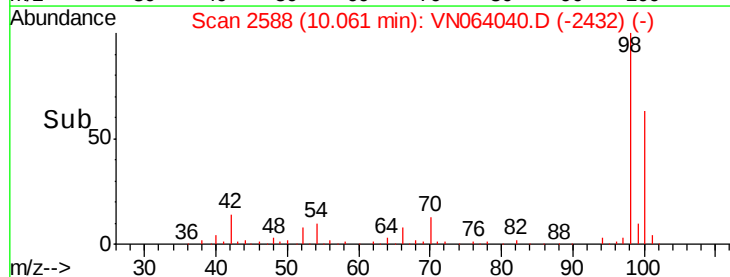
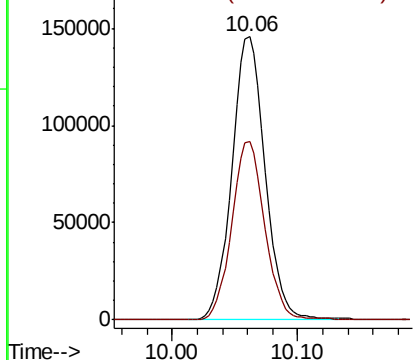


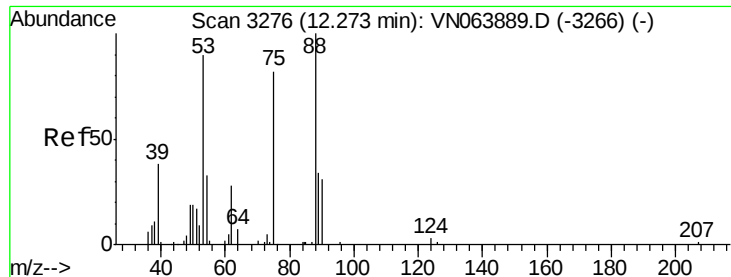
#63
Toluene-d8
Concen: 29.756 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064040.D
Acq: 9 Oct 2020 16:02

Tgt Ion: 98 Resp: 267898
Ion Ratio Lower Upper
98 100
100 62.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 32.315 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.10 min
Lab File: VN064040.D
Acq: 9 Oct 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tot Ion: 75 Resp: 43700
Ion Ratio Lower Upper
75 100
53 0.0 47.0 141.0#
89 0.0 22.9 68.7#

