

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063885.D
 Acq On : 5 Oct 2020 20:56
 Operator : JC/MD
 Sample : L4273-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Quant Time: Oct 06 01:41:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	222213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	426325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	198452	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.55	113	143655	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.06	98	531650	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.38	95	202962	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

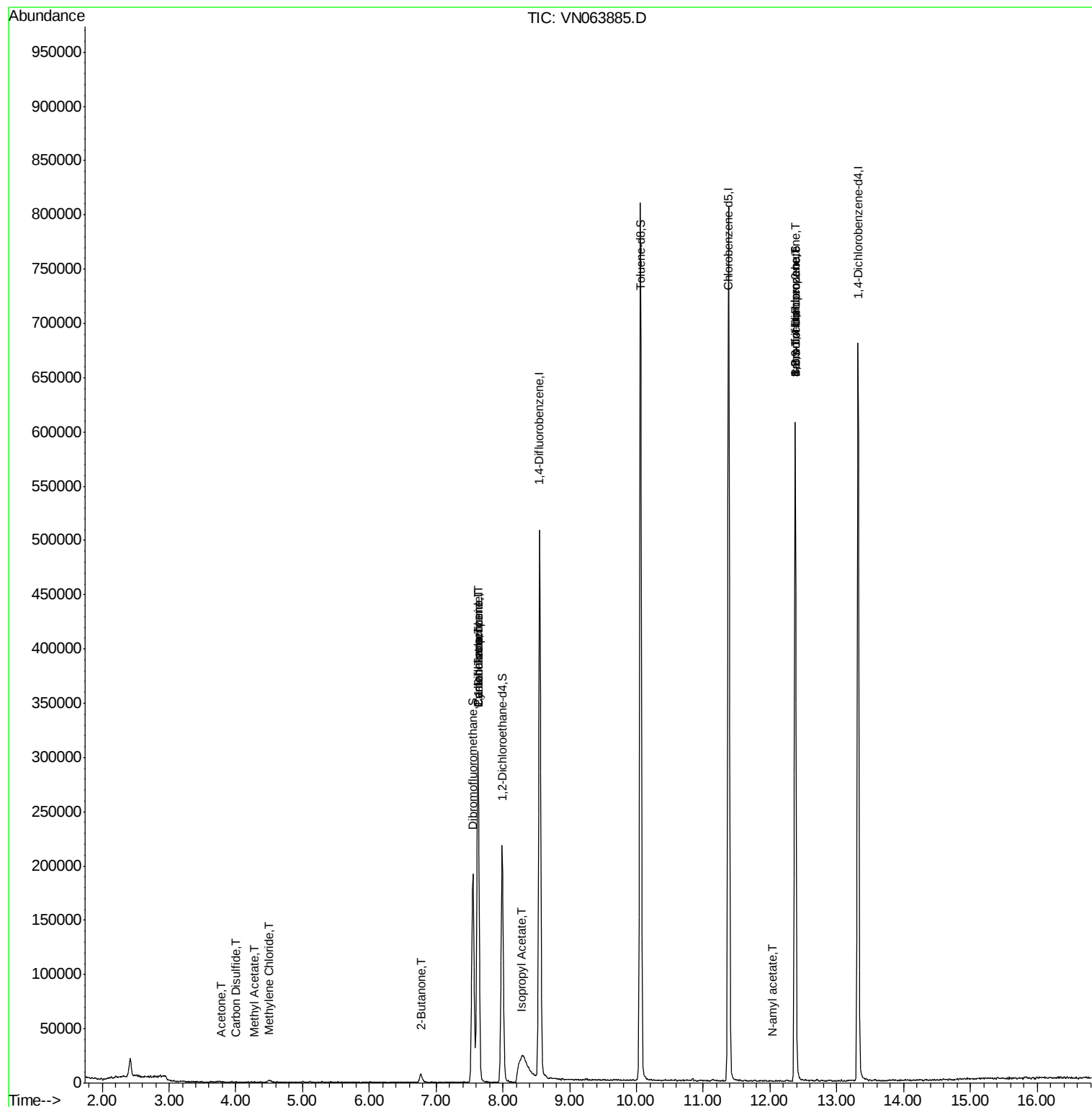
						Qvalue
16) Acetone	3.78	43	304	0.269	ug/l #	47
17) Carbon Disulfide	4.00	76	223	0.737	ug/l #	76
18) Methyl Acetate	4.28	43	622	0.212	ug/l #	54
20) Methylene Chloride	4.50	84	900	0.445	ug/l #	82
25) 2-Butanone	6.77	43	330	0.206	ug/l #	51
31) Cyclohexane	7.63	56	5981	1.403	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	20161	4.783	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24530	5.189	ug/l #	15
43) Isopropyl Acetate	8.27	43	28487	4.124	ug/l #	64
71) Bromoform	12.37	173	905	0.353	ug/l #	1
74) N-amyl acetate	12.04	43	203	2.250	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	116025	31.184	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116025	89.814	ug/l #	6

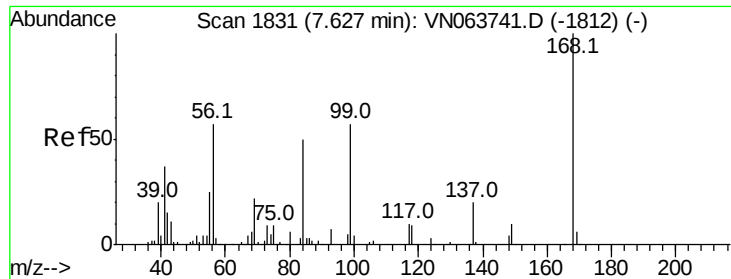
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100520\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

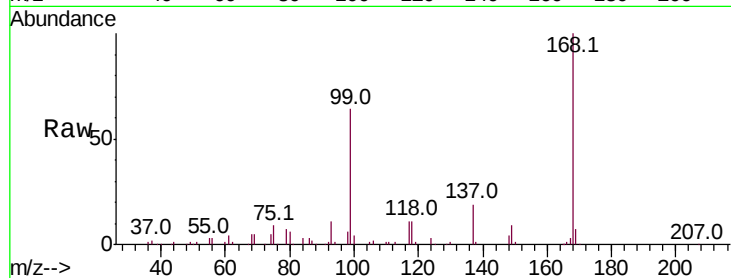
Instrument :
MSVOA_N
ClientSampled :
TRIP

Tot Ion:168 Resp: 22213

Ion Ratio Lower Upper

168 100

99 64.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

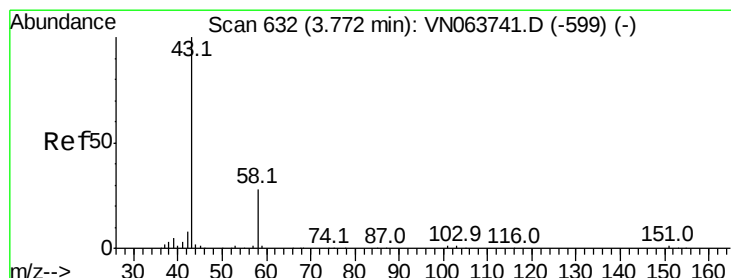
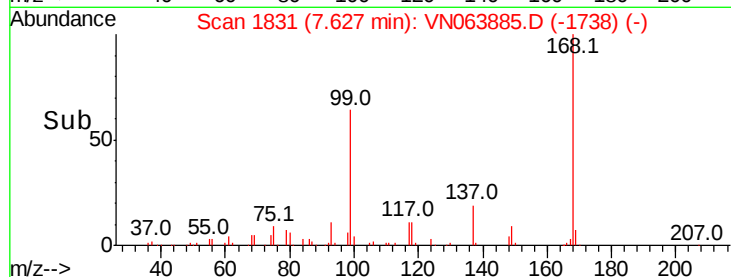
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 0.269 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063885.D

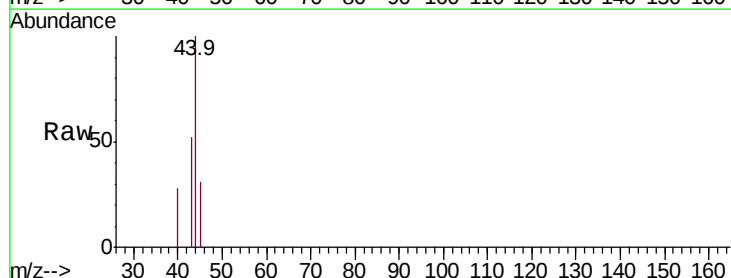
Acq: 5 Oct 2020 20:56

Tgt Ion: 43 Resp: 304

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

400

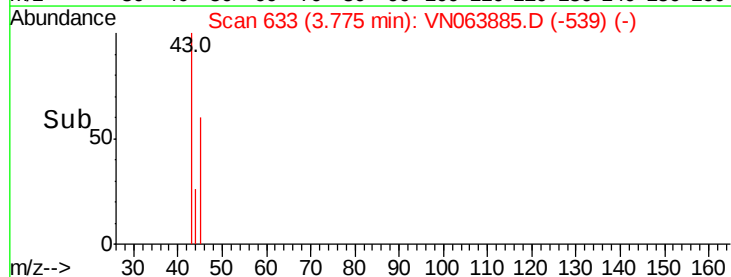
300

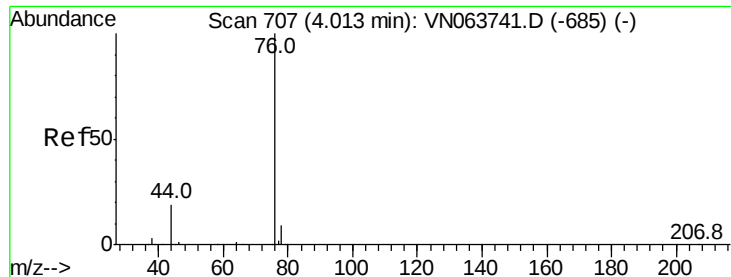
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 0.737 ug/l

RT: 4.00 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

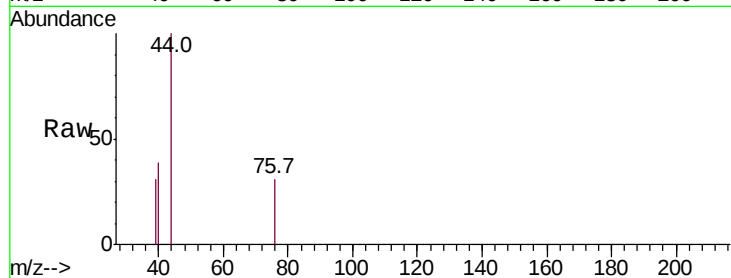
TRIP

Tot Ion: 76 Resp: 223

Ion Ratio Lower Upper

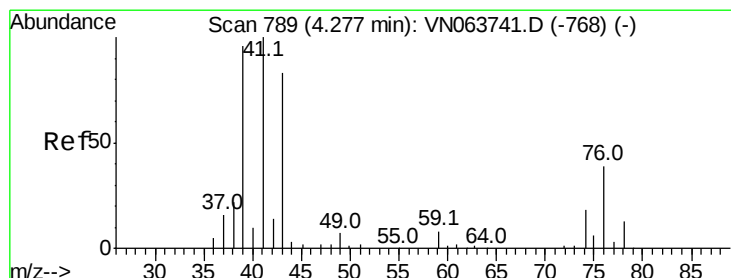
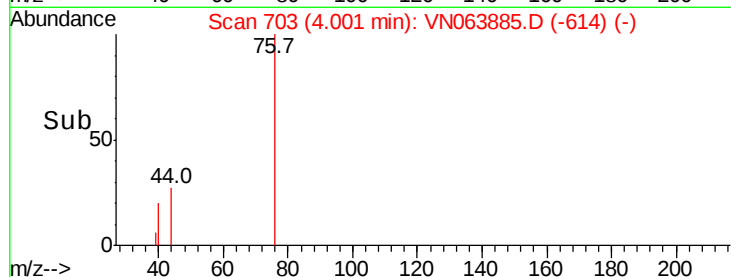
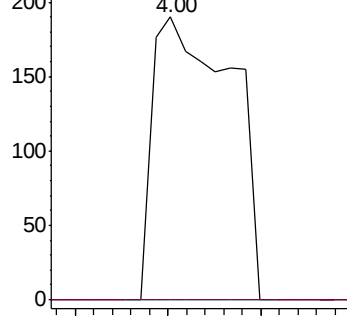
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063885.D

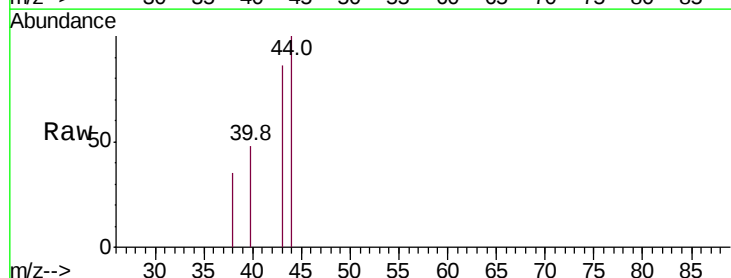
Acq: 5 Oct 2020 20:56

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

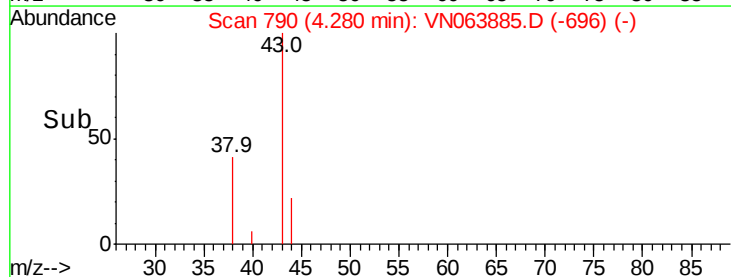
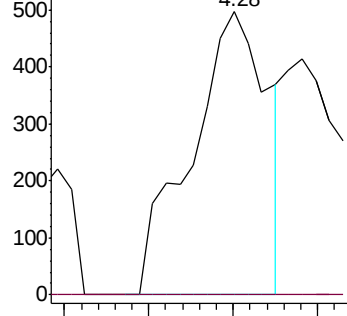
43 100

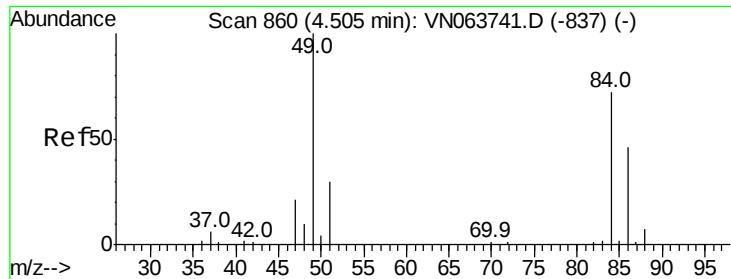
74 0.0 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.445 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

TRIP

Tot Ion: 84 Resp: 900

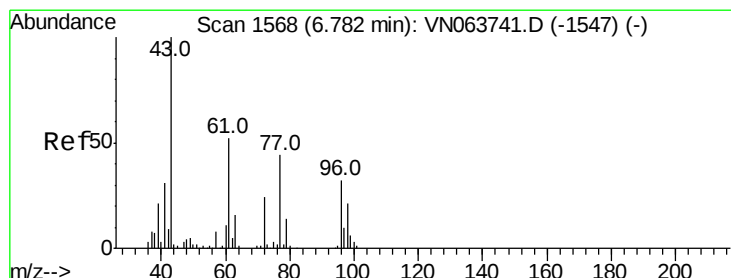
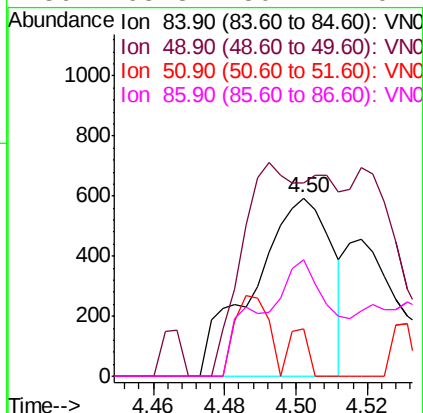
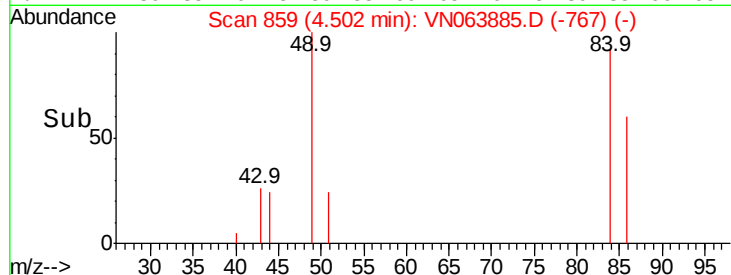
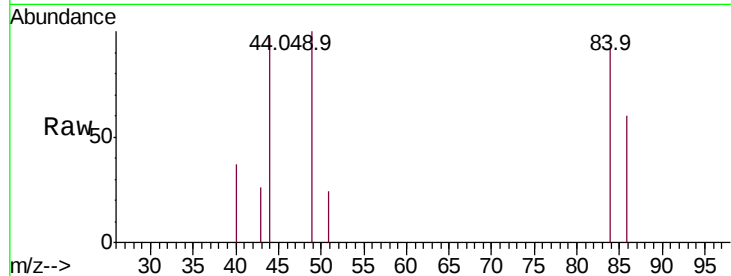
Ion Ratio Lower Upper

84 100

49 108.8 110.4 165.6#

51 26.6 33.3 49.9#

86 65.3 50.7 76.1



#25

2-Butanone

Concen: 0.206 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN063885.D

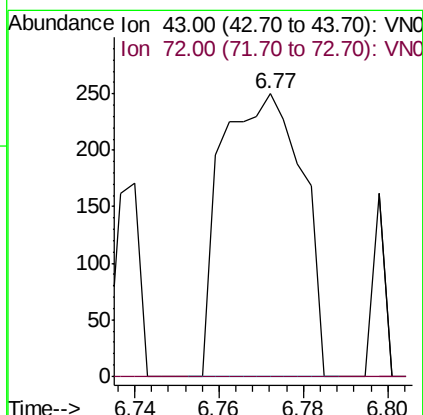
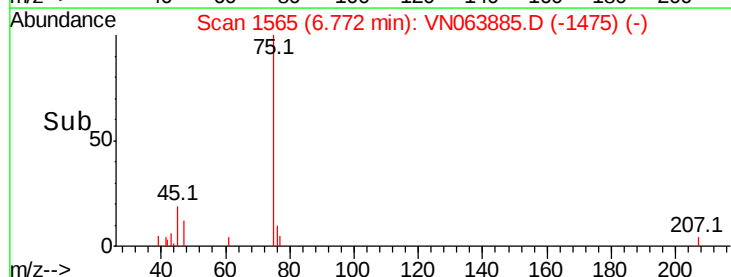
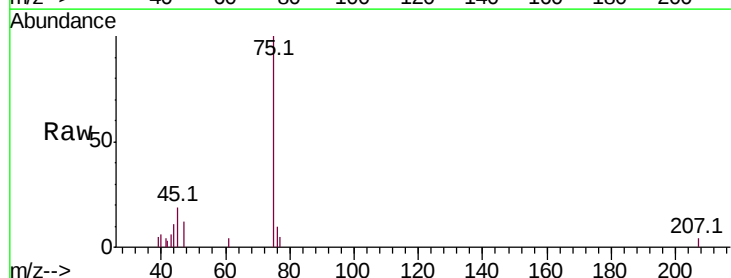
Acq: 5 Oct 2020 20:56

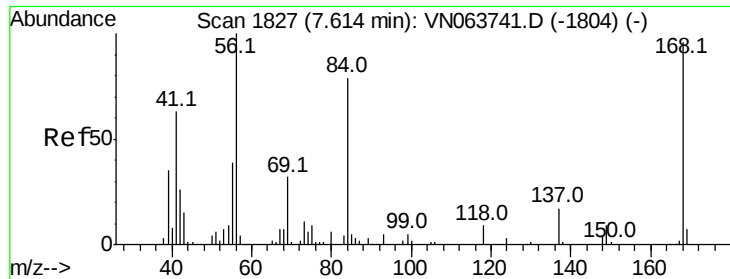
Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#

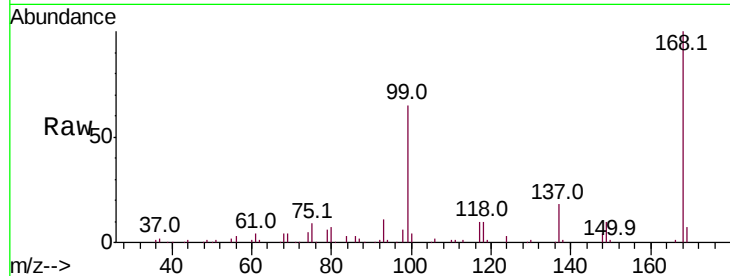




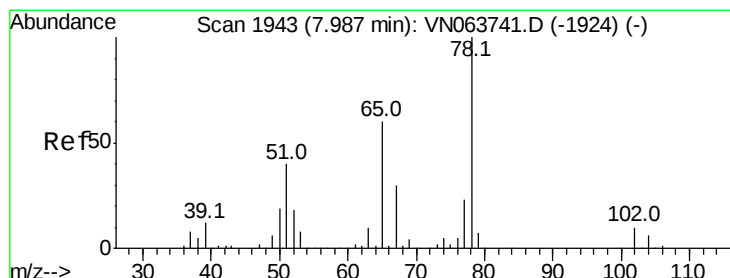
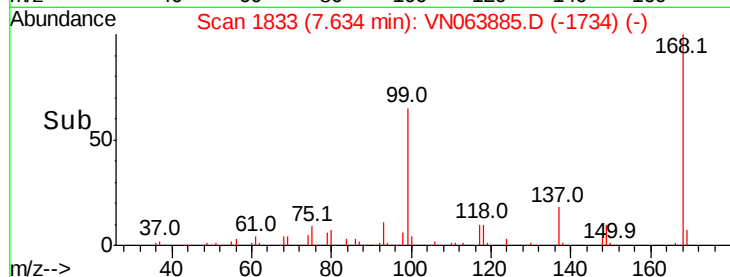
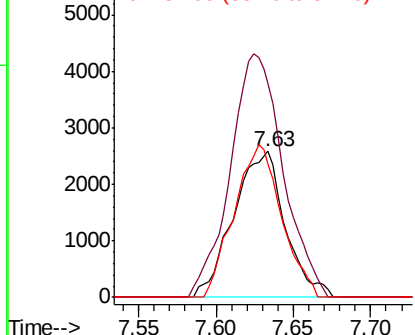
#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.63 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN063885.D
Acq: 5 Oct 2020 20:56

Instrument :
MSVOA_N
ClientSampled :
TRIP

Tot Ion: 56 Resp: 5981
Ion Ratio Lower Upper
56 100
69 146.5 25.4 38.2#
84 91.1 63.3 94.9

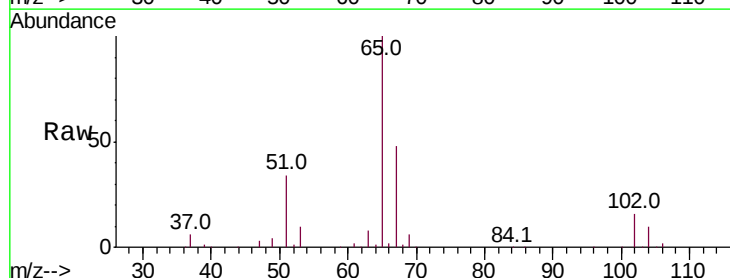


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

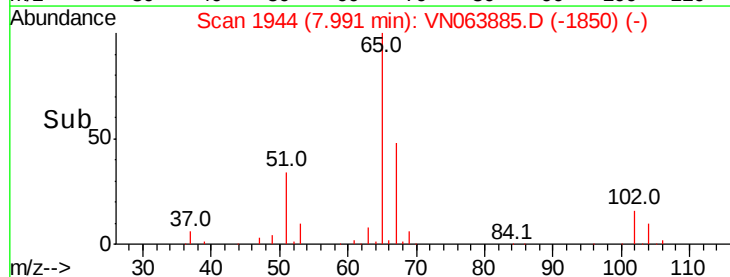
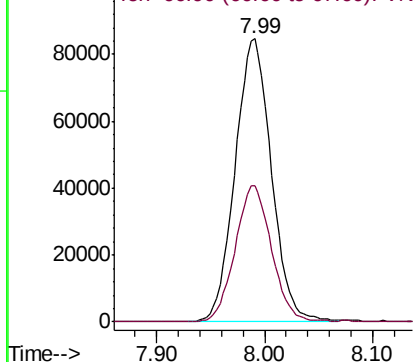


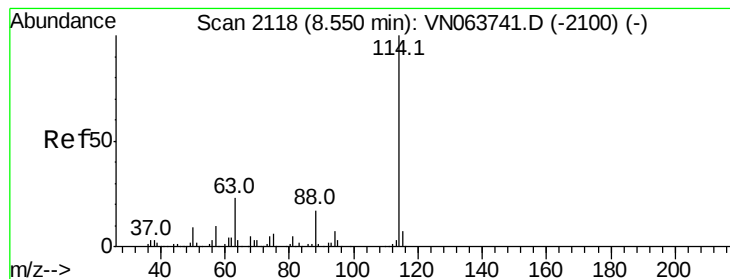
#33
1,2-Dichloroethane-d4
Concen: 54.058 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063885.D
Acq: 5 Oct 2020 20:56

Tgt Ion: 65 Resp: 198452
Ion Ratio Lower Upper
65 100
67 48.0 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampled :

TRIP

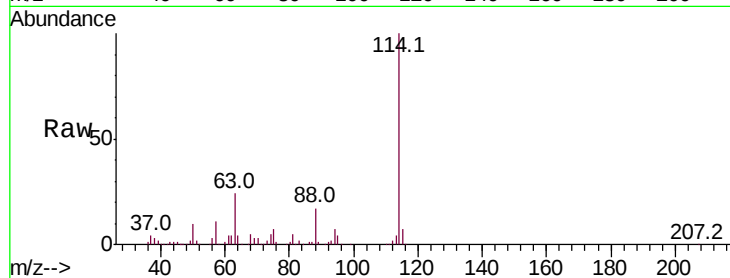
Tot Ion:114 Resp: 416093

Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.0

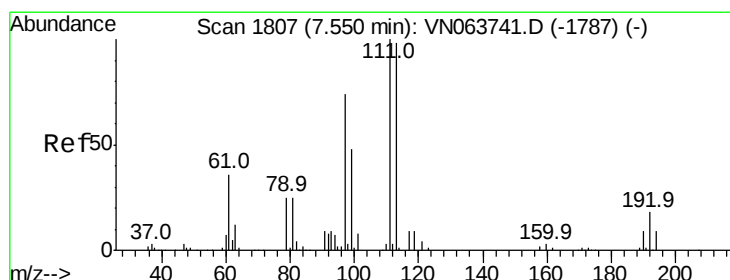
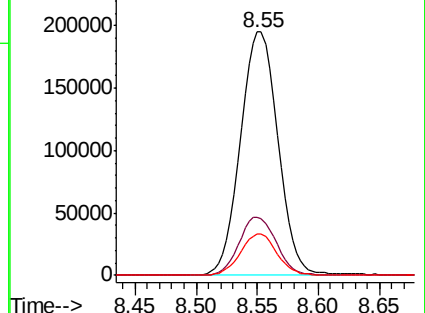
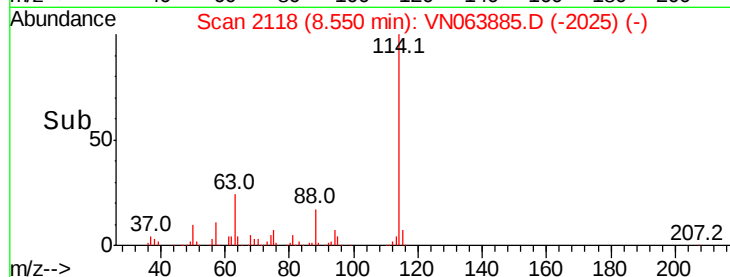
88 17.0 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.756 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

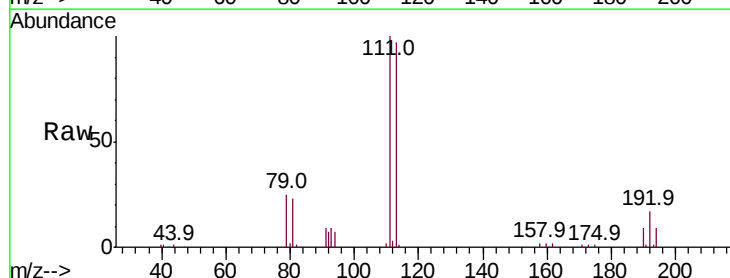
Tgt Ion:113 Resp: 143655

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

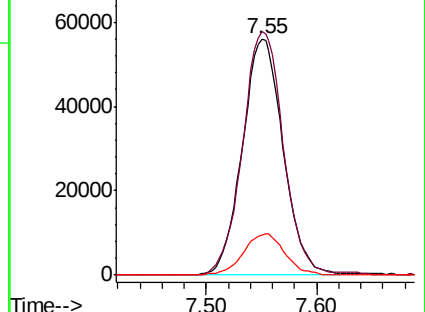
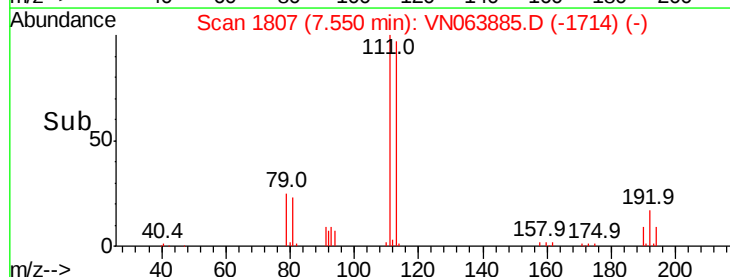
192 17.7 14.2 21.2

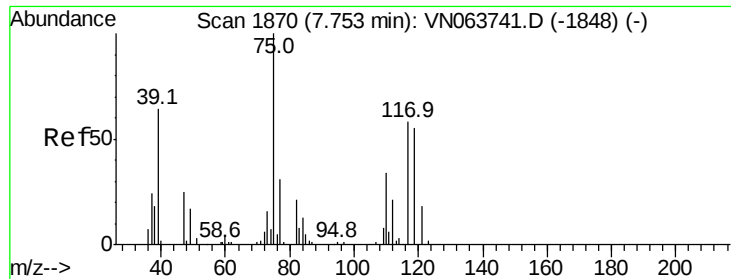


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

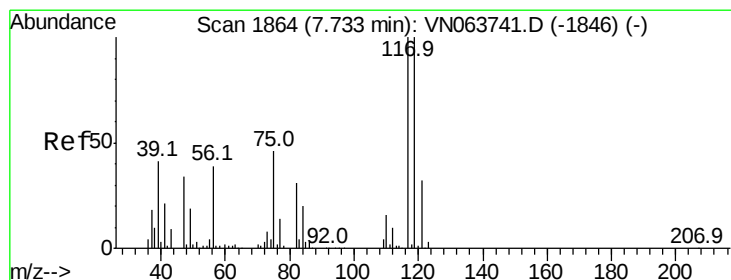
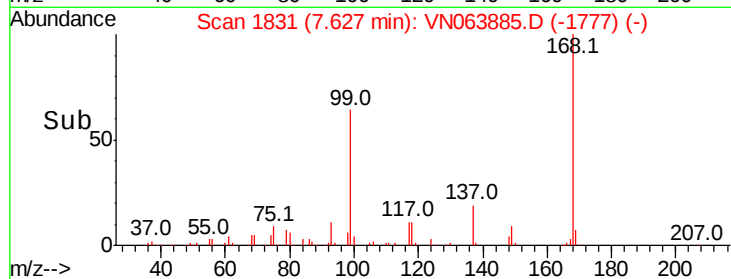
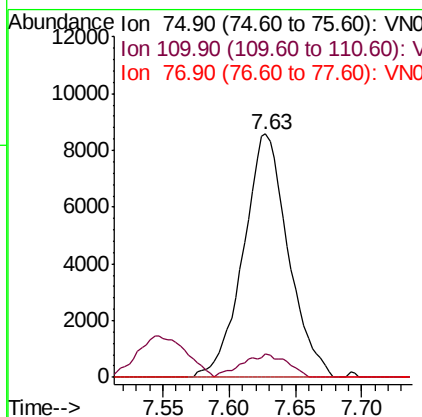
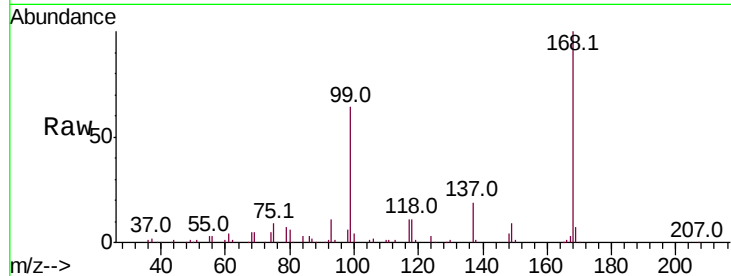




#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063885.D
 Acq: 5 Oct 2020 20:56

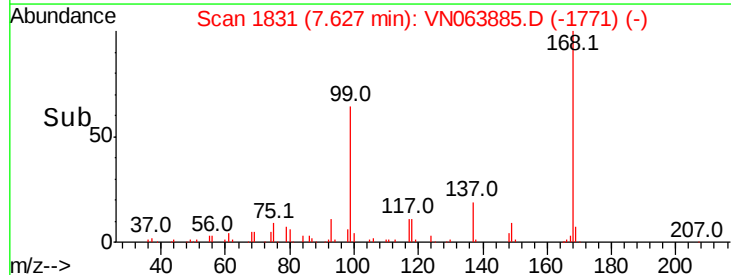
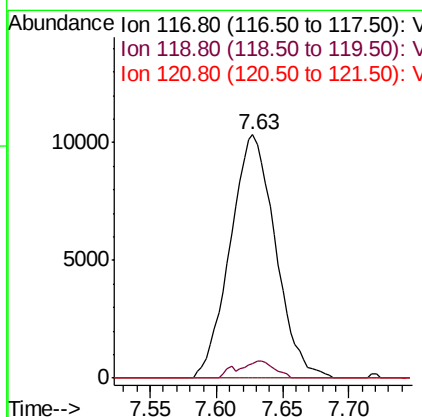
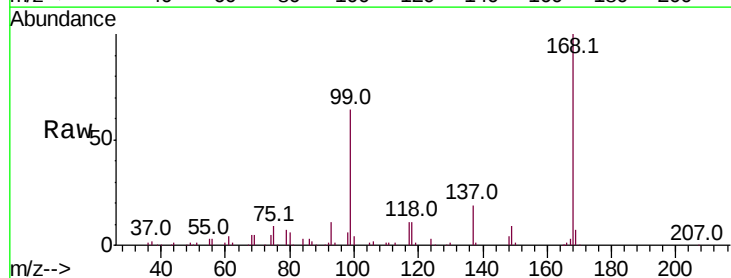
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

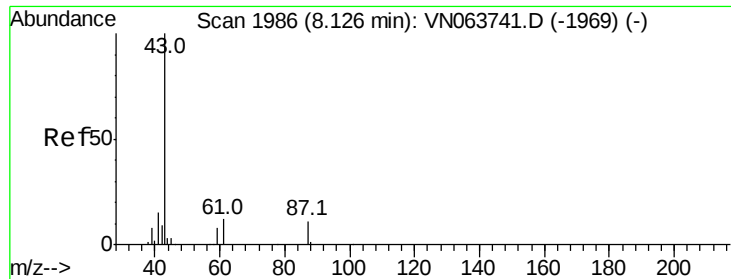
Tot Ion: 75 Resp: 20161
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.189 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063885.D
 Acq: 5 Oct 2020 20:56

Tgt Ion: 117 Resp: 24530
 Ion Ratio Lower Upper
 117 100
 119 6.2 80.1 120.1#
 121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 4.124 ug/l

RT: 8.27 min Scan# 2032

Delta R.T. 0.15 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

TRIP

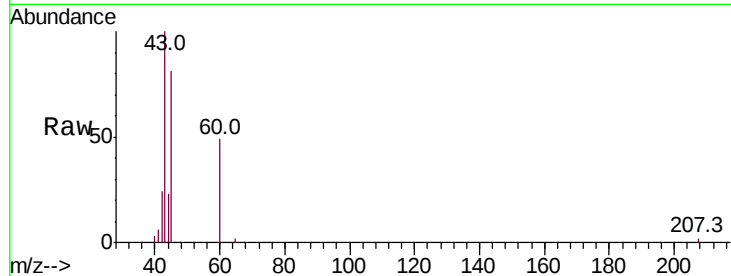
Tot Ion: 43 Resp: 28487

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

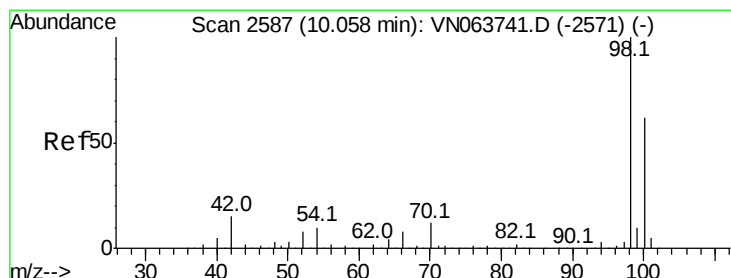
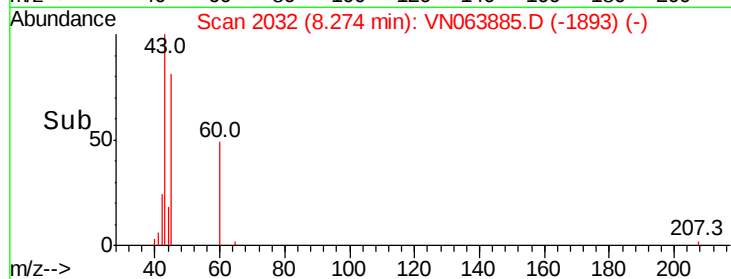
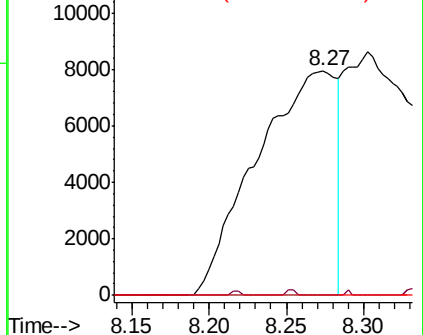
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063741.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063741.D (-1969) (-)



#50

Toluene-d8

Concen: 48.575 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063885.D

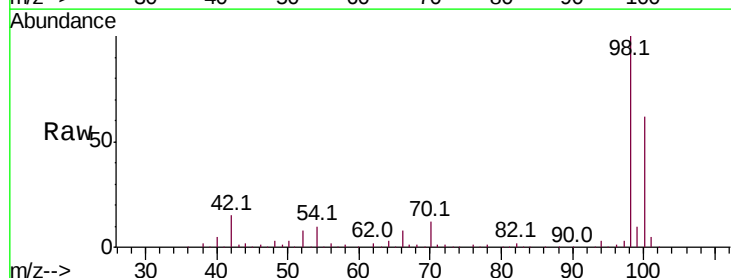
Acq: 5 Oct 2020 20:56

Tgt Ion: 98 Resp: 531650

Ion Ratio Lower Upper

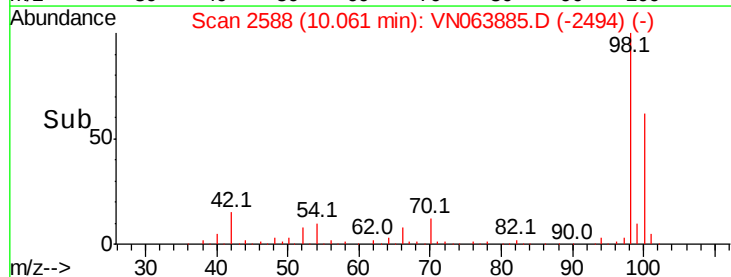
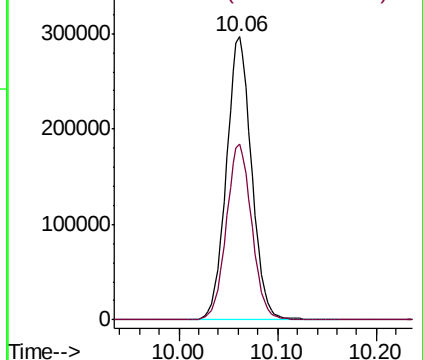
98 100

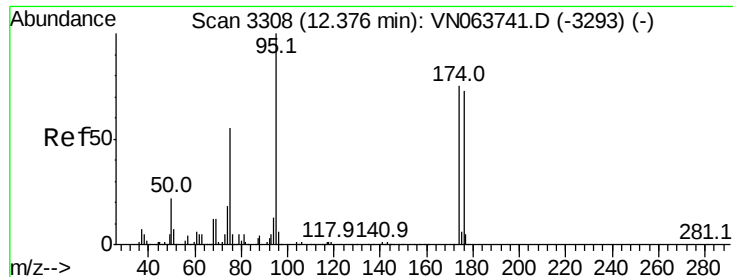
100 62.5 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)





#62

4-Bromofluorobenzene

Concen: 49.331 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

TRIP

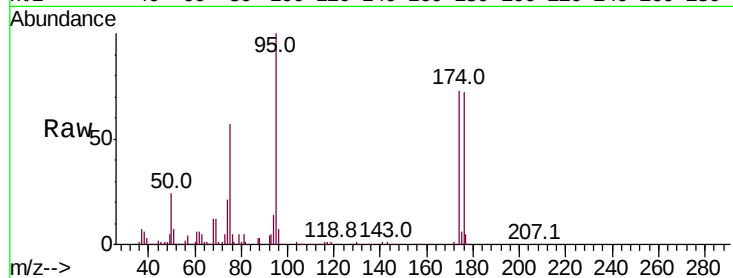
Tot Ion: 95 Resp: 202962

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.6

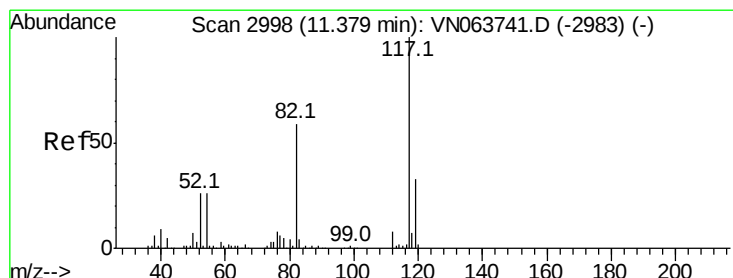
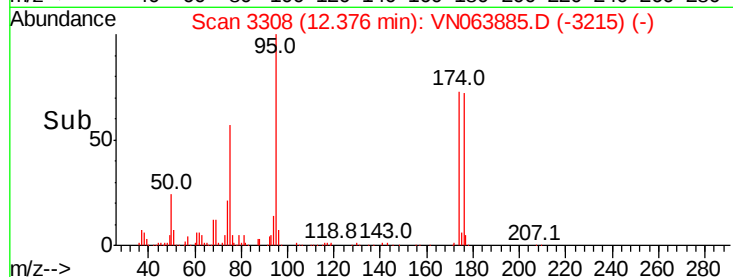
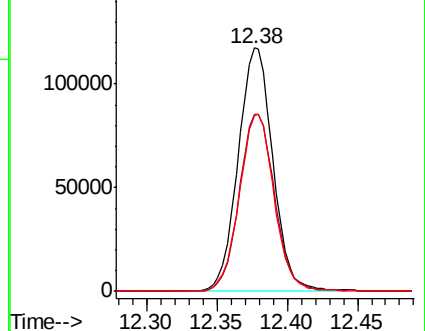
176 72.9 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

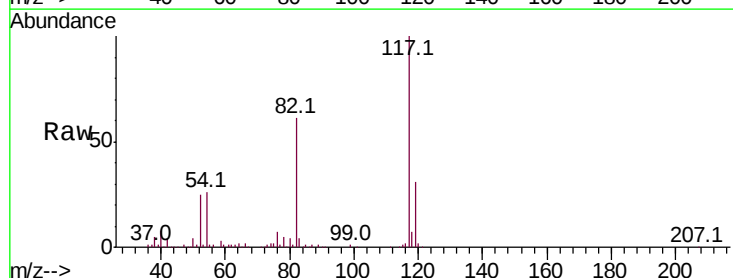
Tgt Ion: 117 Resp: 426325

Ion Ratio Lower Upper

117 100

82 60.9 47.4 71.2

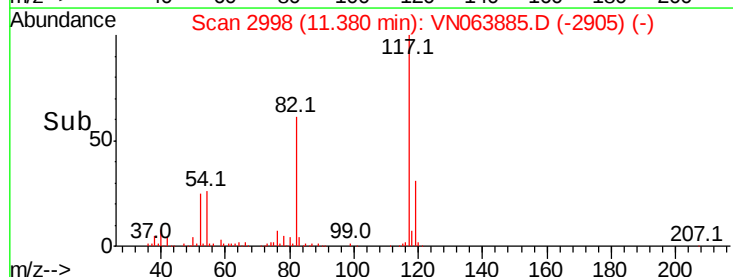
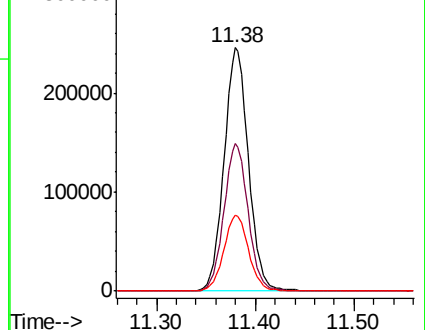
119 31.3 26.4 39.6

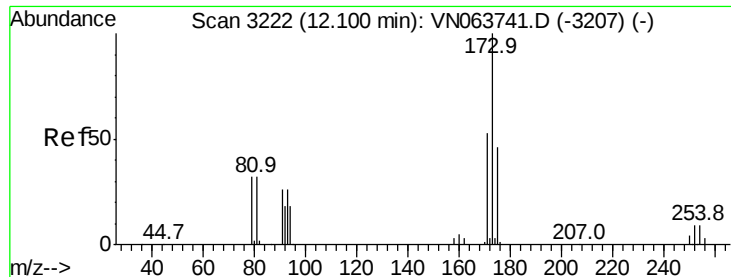


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)





#71

Bromoform

Concen: 0.353 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampled :

TRIP

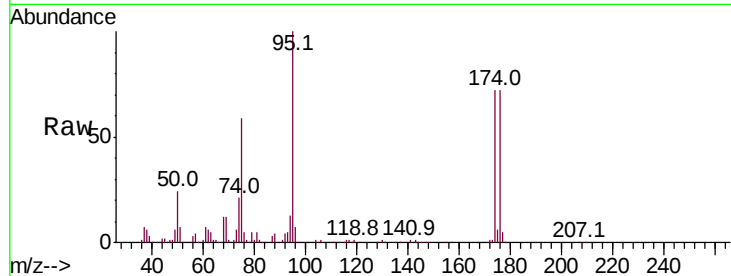
Tot Ion:173 Resp: 905

Ion Ratio Lower Upper

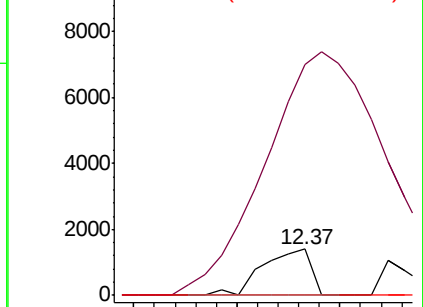
173 100

175 1089.3 23.5 70.5#

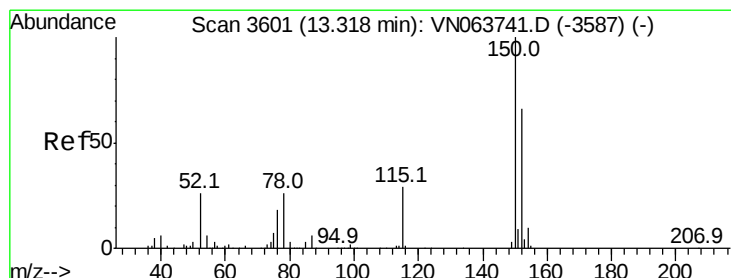
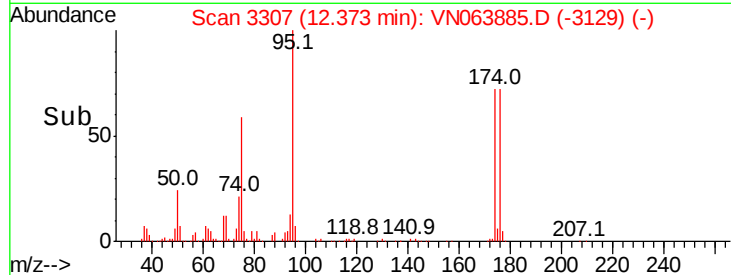
254 0.0 0.0 0.0



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



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

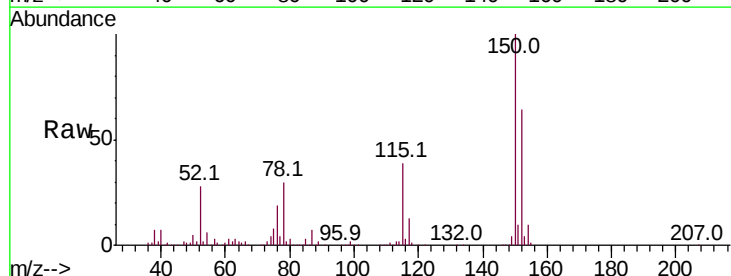
Tgt Ion:152 Resp: 168786

Ion Ratio Lower Upper

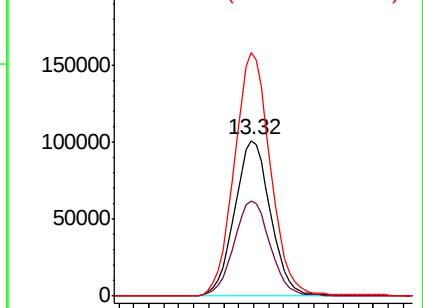
152 100

115 62.2 31.3 93.8

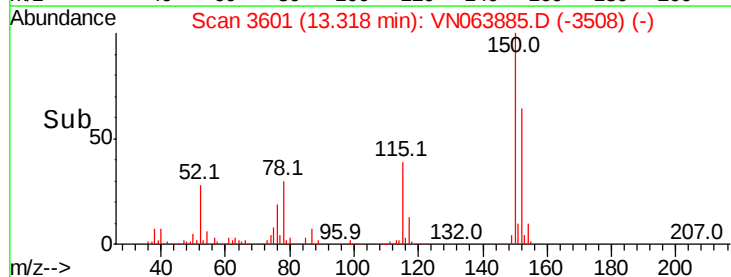
150 157.9 0.0 341.8

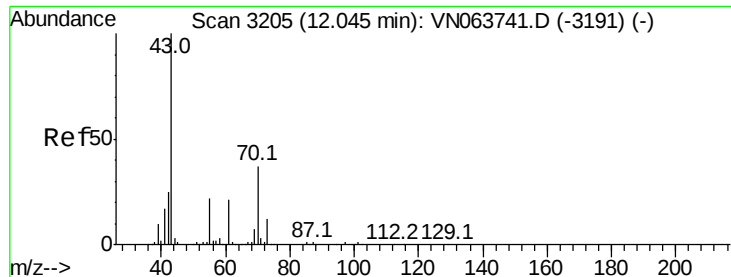


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->

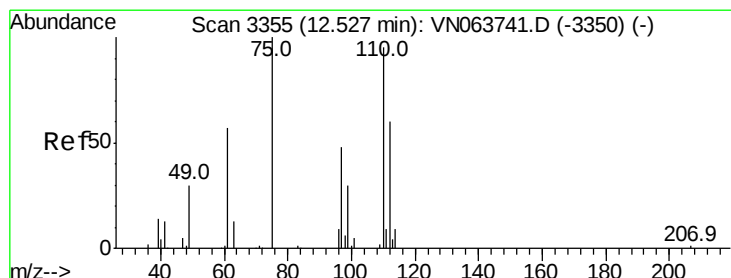
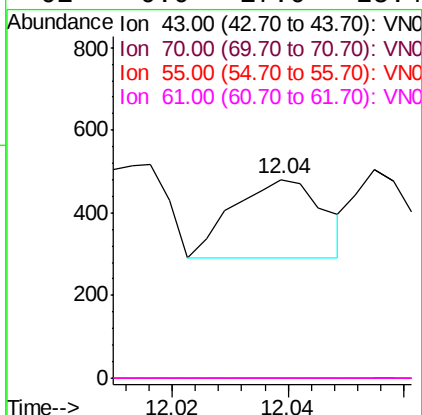
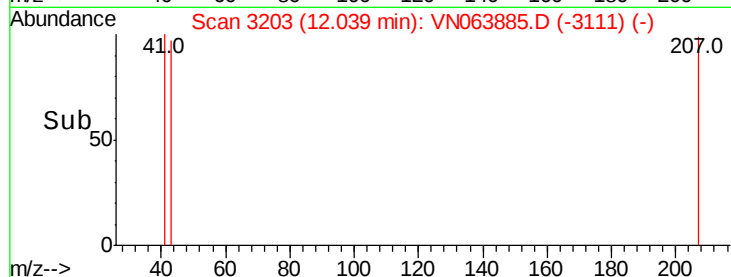
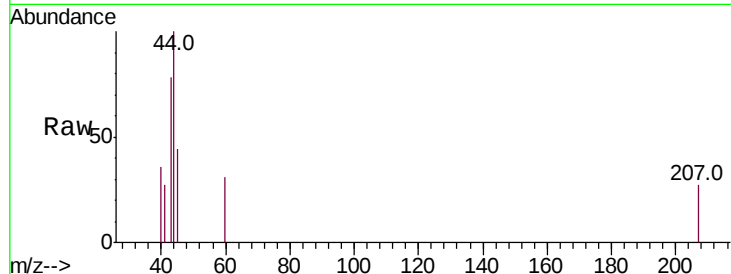




#74
N-amvl acetate
Concen: 2.250 ug/l
RT: 12.04 min Scan# 3203
Delta R.T. -0.01 min
Lab File: VN063885.D
Acq: 5 Oct 2020 20:56

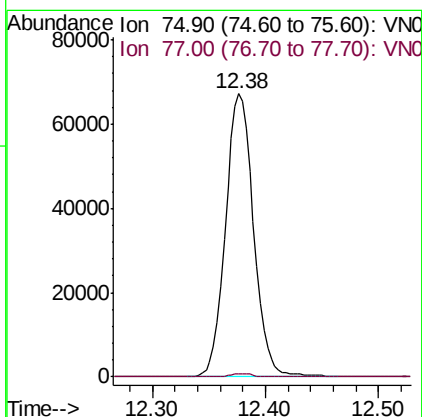
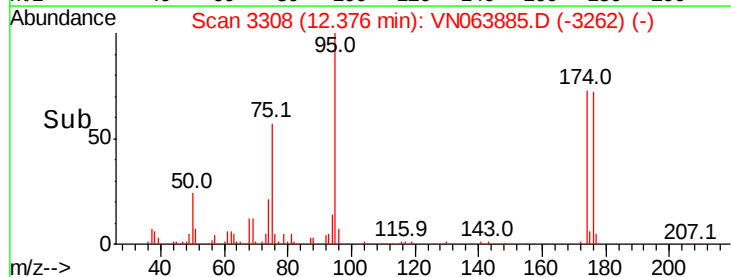
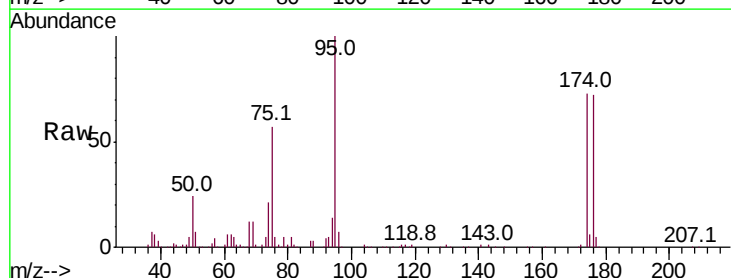
Instrument :
MSVOA_N
ClientSampleId :
TRIP

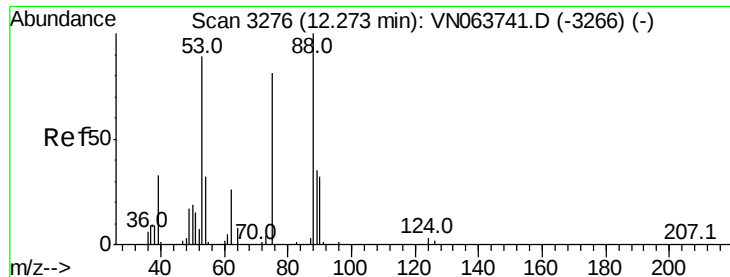
Tot Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 0.0 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 31.184 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063885.D
Acq: 5 Oct 2020 20:56

Tgt Ion: 75 Resp: 116025
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 89.814 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063885.D

Acq: 5 Oct 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

TRIP

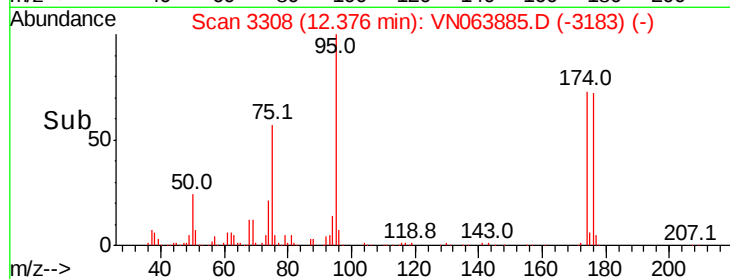
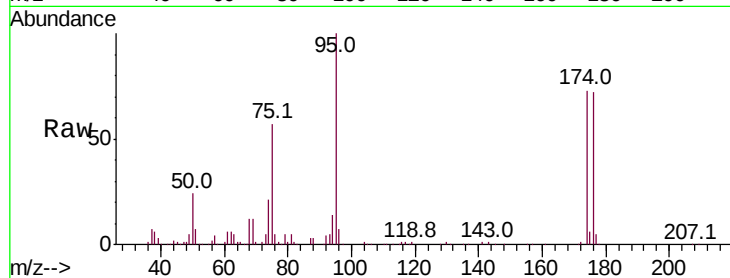
Tot Ion: 75 Resp: 116025

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.0 36.0 54.0#



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

