

Data File : VN064099.D
Acq On : 13 Oct 2020 14:11
Operator : JC/MD
Sample : L4331-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10-8-20

Quant Time: Oct 14 02:55:28 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	7.62	168	228412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	429995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	188814	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.55	113	143890	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.06	98	532166	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.38	95	204382	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

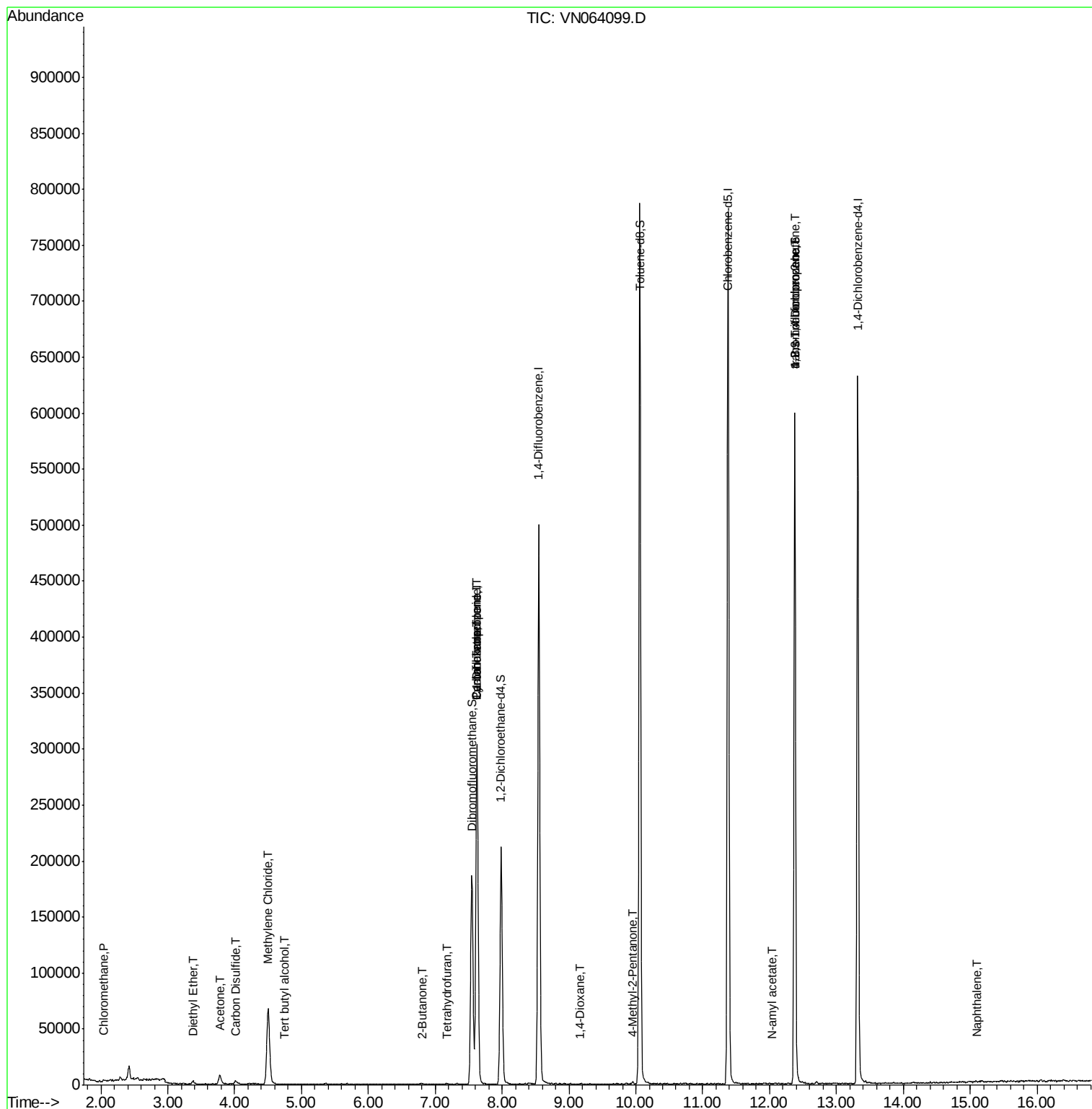
						Qvalue
3) Chloromethane	2.04	50	1227	0.434	ug/l	91
8) Diethyl Ether	3.38	74	1173	0.770	ug/l	81
11) Tert butyl alcohol	4.74	59	239	0.574	ug/l #	71
16) Acetone	3.78	43	15080	12.982	ug/l	94
17) Carbon Disulfide	4.02	76	937	0.849	ug/l #	76
20) Methylene Chloride	4.50	84	47629	17.964	ug/l	96
25) 2-Butanone	6.80	43	1249	0.758	ug/l #	51
29) Tetrahydrofuran	7.17	42	464	0.420	ug/l #	36
31) Cyclohexane	7.62	56	5539	1.264	ug/l #	15
36) 1,1-Dichloropropene	7.62	75	20220	4.759	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24812	5.207	ug/l #	14
49) 1,4-Dioxane	9.17	88	119	2.434	ug/l #	38
51) 4-Methyl-2-Pentanone	9.95	43	2773	0.679	ug/l #	66
74) N-amyl acetate	12.04	43	269	2.263	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	108437	30.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	108437	87.872	ug/l #	6
95) Naphthalene	15.11	128	100	1.935	ug/l #	69

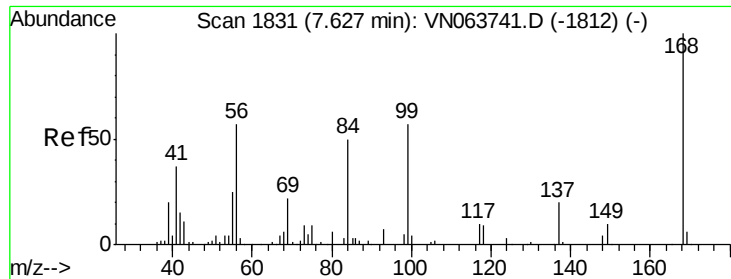
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

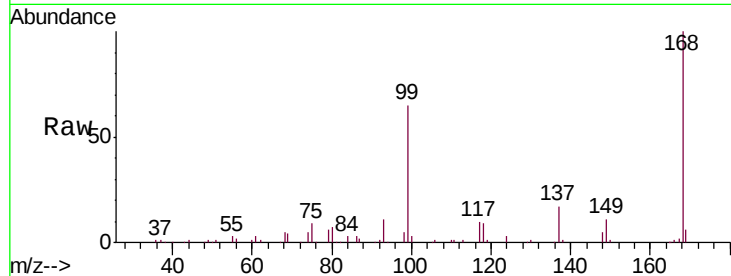
TB-10-8-20

Tgt Ion:168 Resp: 228412

Ion Ratio Lower Upper

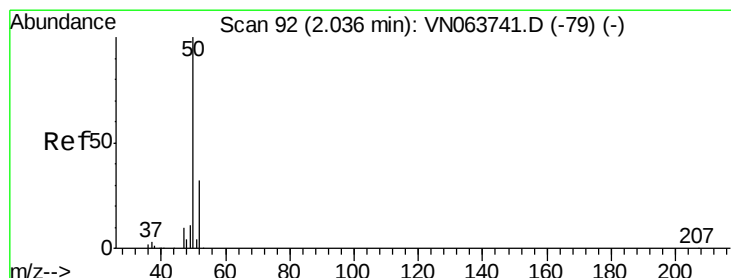
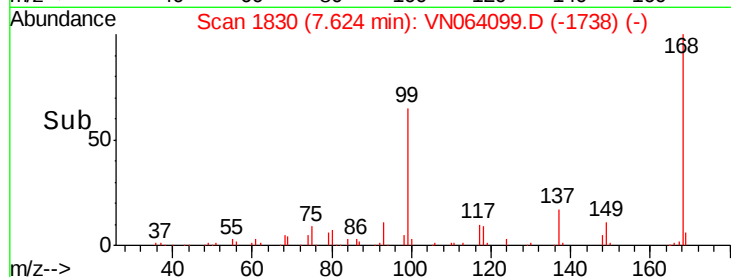
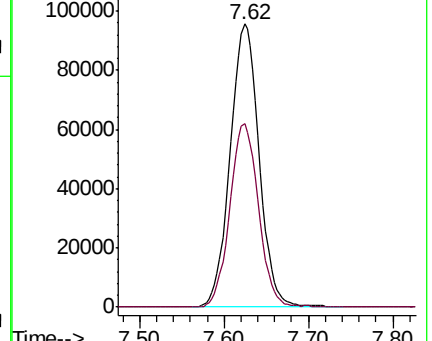
168 100

99 64.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.434 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064099.D

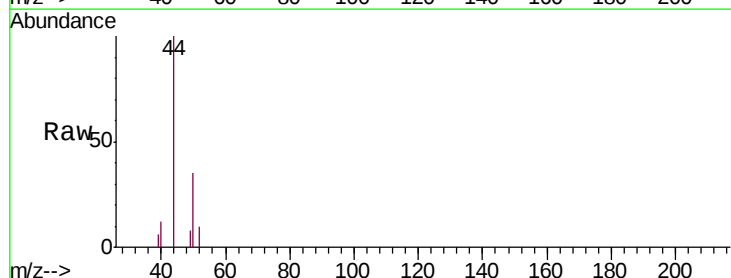
Acq: 13 Oct 2020 14:11

Tgt Ion: 50 Resp: 1227

Ion Ratio Lower Upper

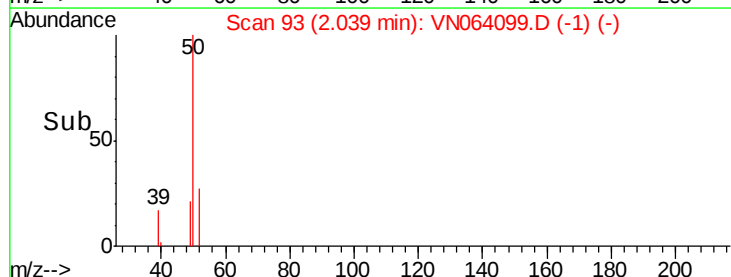
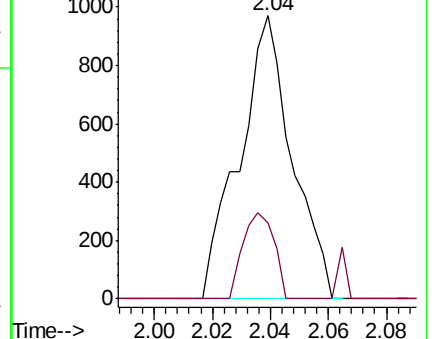
50 100

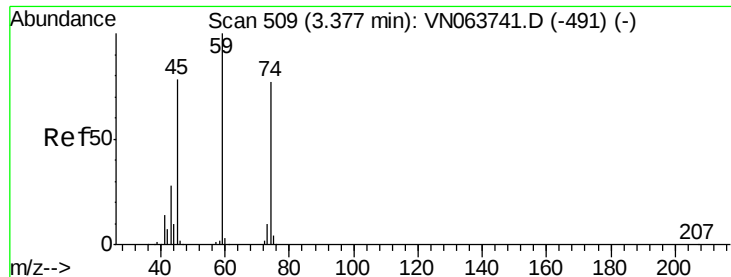
52 27.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#8

Diethyl Ether

Concen: 0.770 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

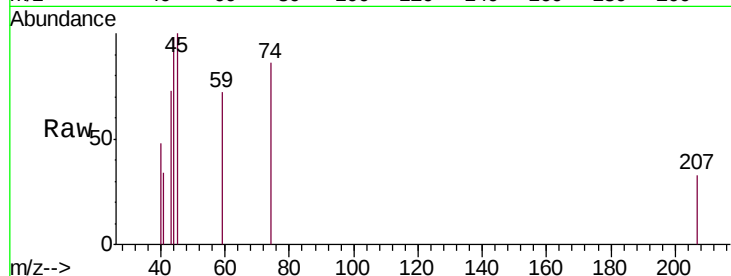
TB-10-8-20

Tgt Ion: 74 Resp: 1173

Ion Ratio Lower Upper

74 100

45 121.5 50.9 152.8

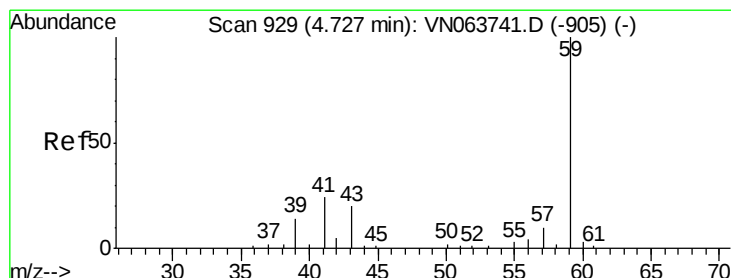
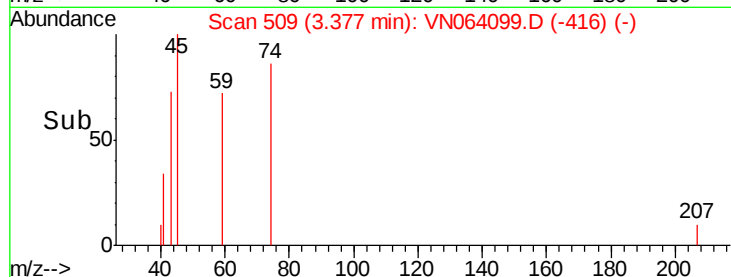


Abundance Ion 74.00 (73.70 to 74.70): VN063741.D (-491) (-)

Ion 45.00 (44.70 to 45.70): VN063741.D (-491) (-)

3.38

Time-->



#11

Tert butyl alcohol

Concen: 0.574 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064099.D

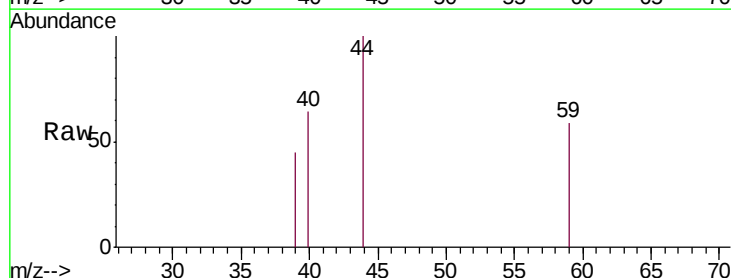
Acq: 13 Oct 2020 14:11

Tgt Ion: 59 Resp: 239

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

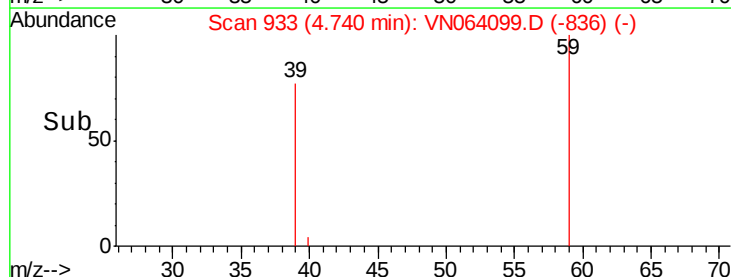


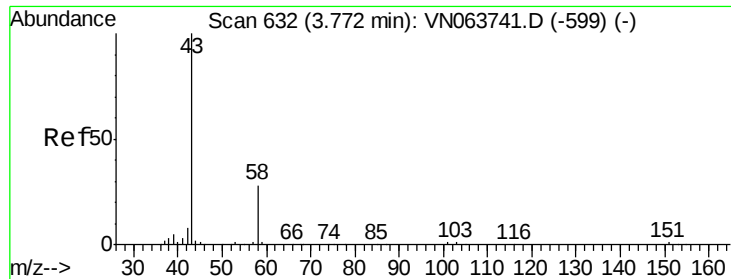
Abundance Ion 59.00 (58.70 to 59.70): VN063741.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN063741.D (-905) (-)

4.74

Time-->





#16

Acetone

Concen: 12.982 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

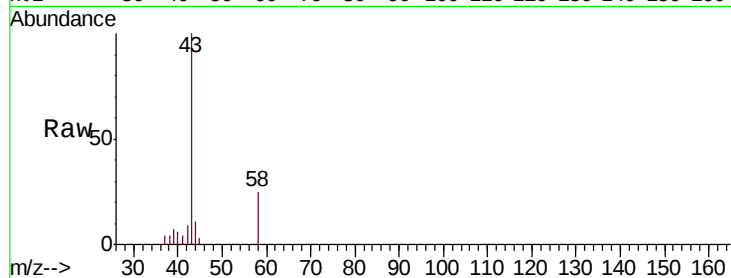
TB-10-8-20

Tgt Ion: 43 Resp: 15080

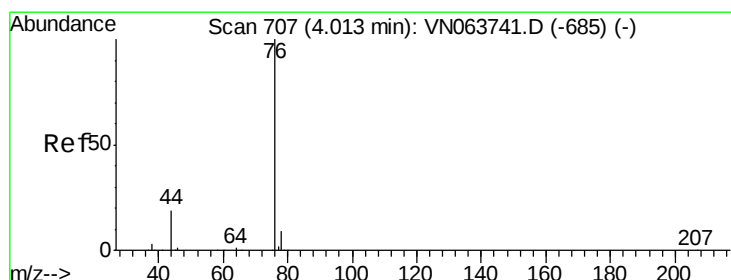
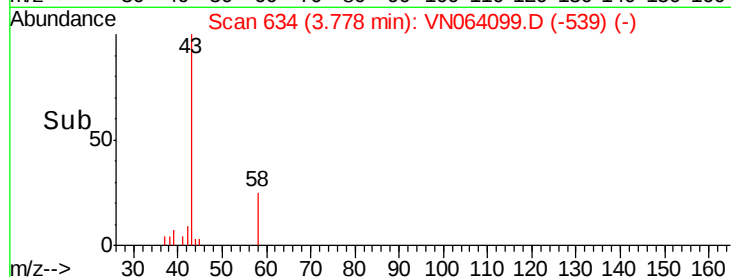
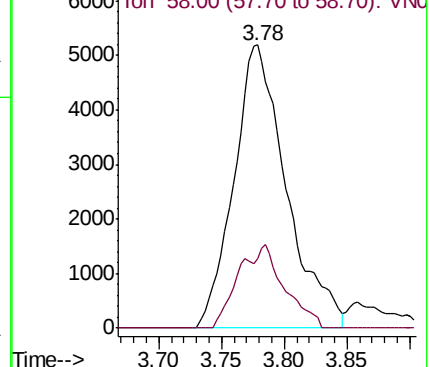
Ion Ratio Lower Upper

43 100

58 24.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN064099.D (-539) (-)



#17

Carbon Disulfide

Concen: 0.849 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN064099.D

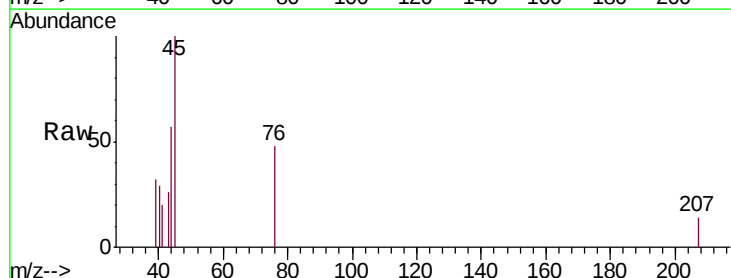
Acq: 13 Oct 2020 14:11

Tgt Ion: 76 Resp: 937

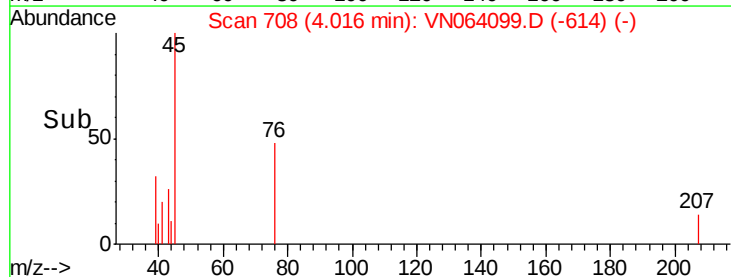
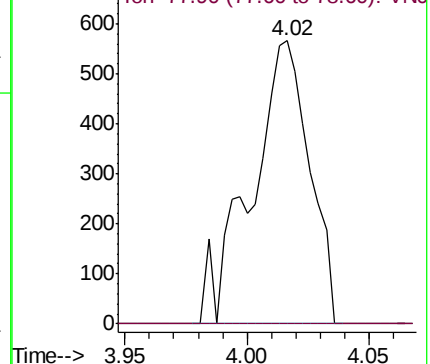
Ion Ratio Lower Upper

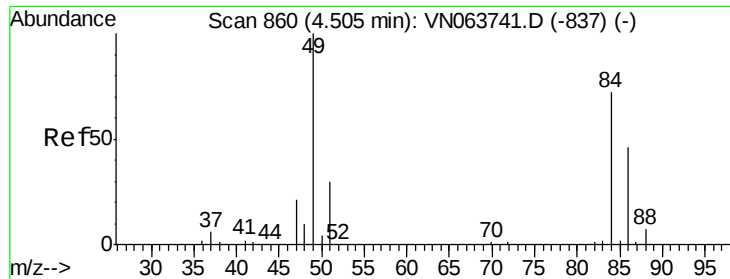
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN064099.D (-614) (-)

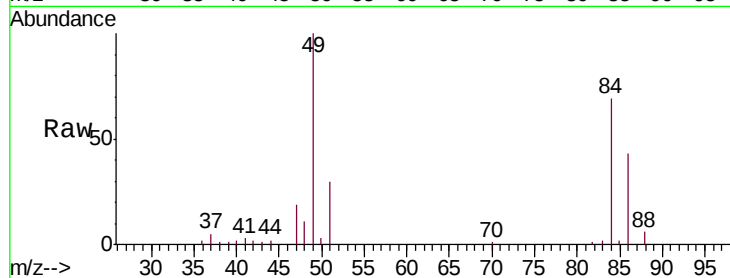




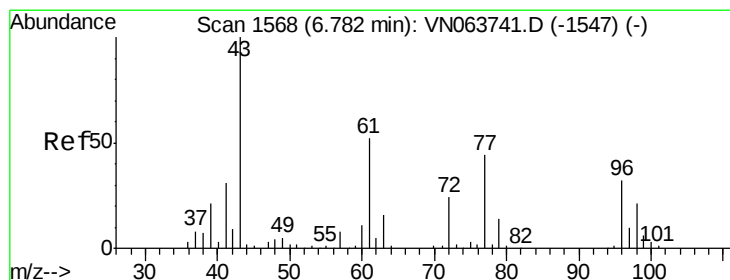
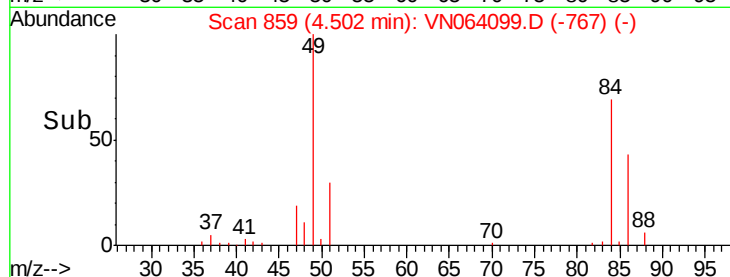
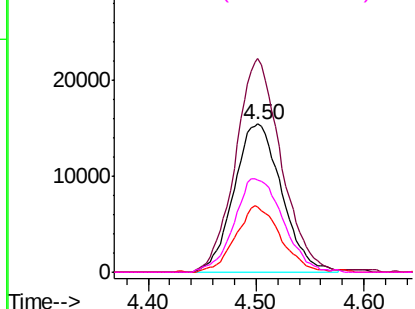
#20
Methylene Chloride
Concen: 17.964 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064099.D
Acq: 13 Oct 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
TB-10-8-20

Tgt Ion: 84 Resp: 47629
Ion Ratio Lower Upper
84 100
49 144.4 110.4 165.6
51 43.8 33.3 49.9
86 62.7 50.7 76.1

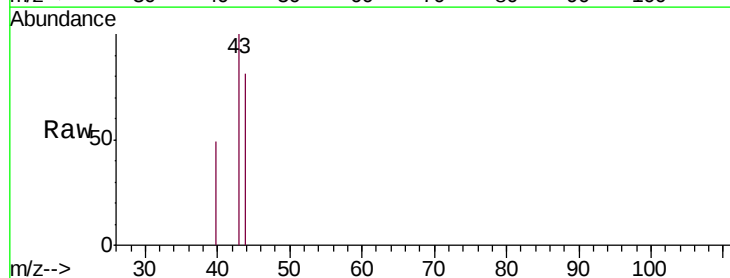


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

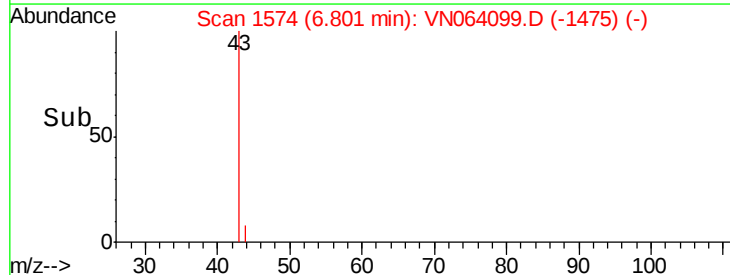
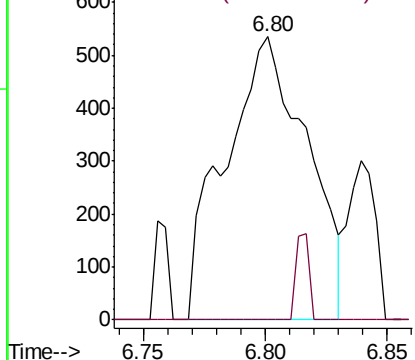


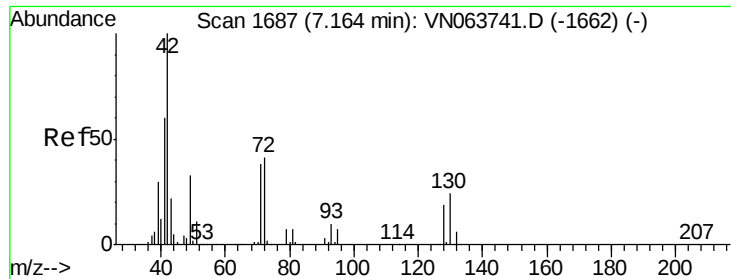
#25
2-Butanone
Concen: 0.758 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN064099.D
Acq: 13 Oct 2020 14:11

Tgt Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



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





#29

Tetrahydrofuran

Concen: 0.420 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

TB-10-8-20

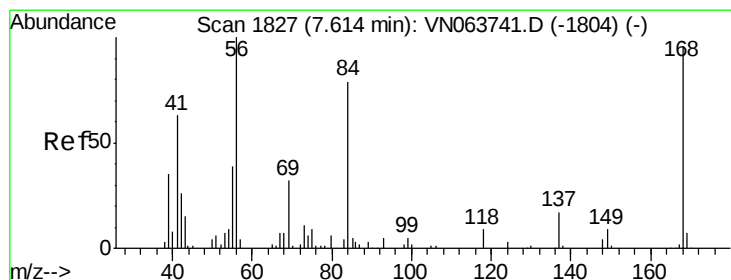
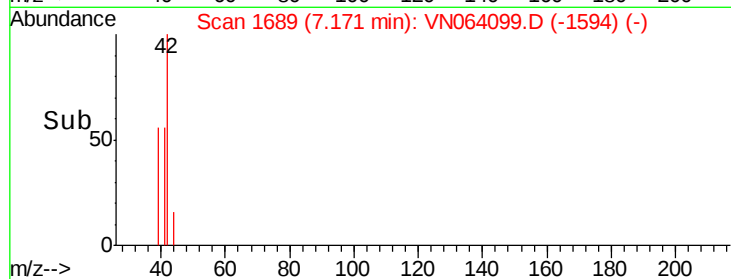
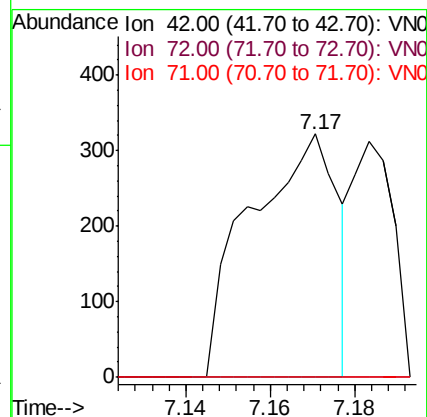
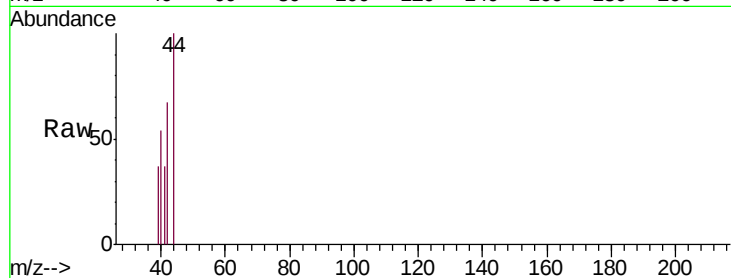
Tgt Ion: 42 Resp: 464

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 30.6 45.8#



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

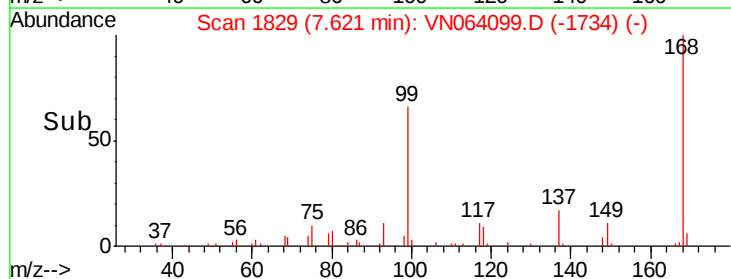
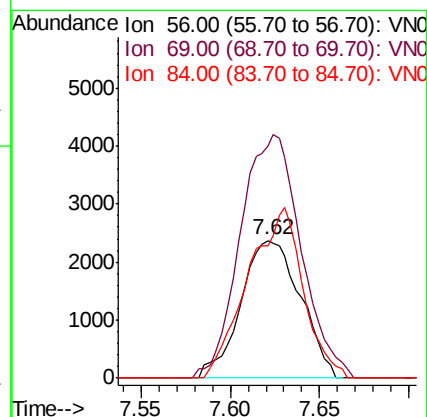
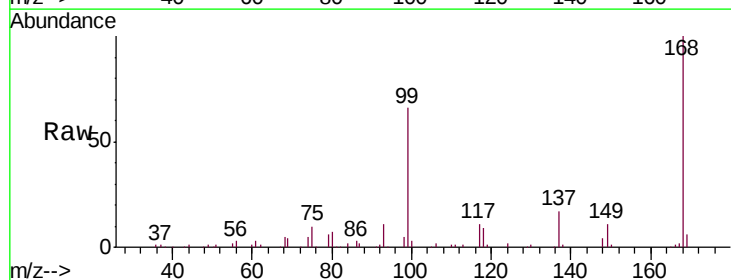
Tgt Ion: 56 Resp: 5539

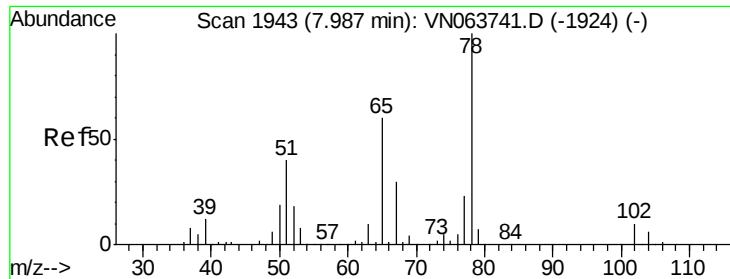
Ion Ratio Lower Upper

56 100

69 168.8 25.4 38.2#

84 96.5 63.3 94.9#





#33

1,2-Dichloroethane-d4

Concen: 50.037 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

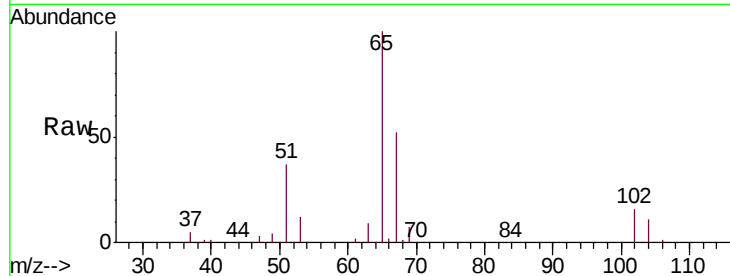
TB-10-8-20

Tgt Ion: 65 Resp: 188814

Ion Ratio Lower Upper

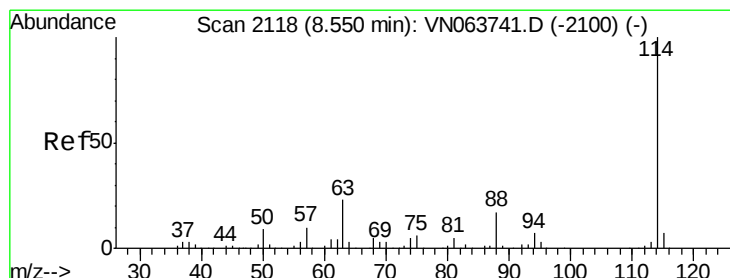
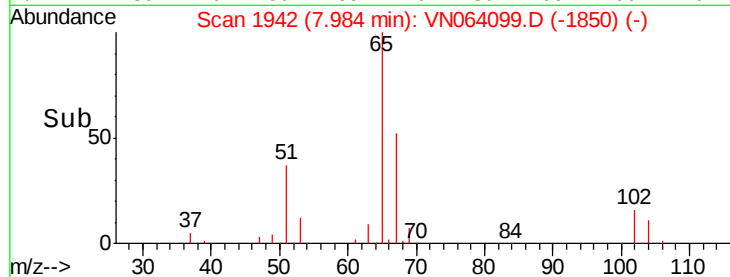
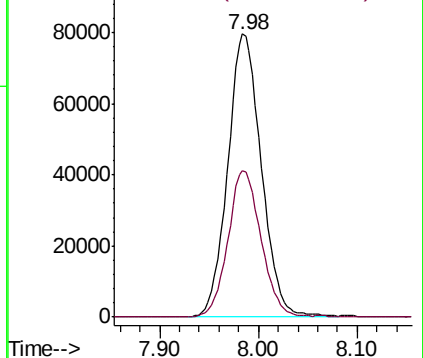
65 100

67 50.8 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063741.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063741.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

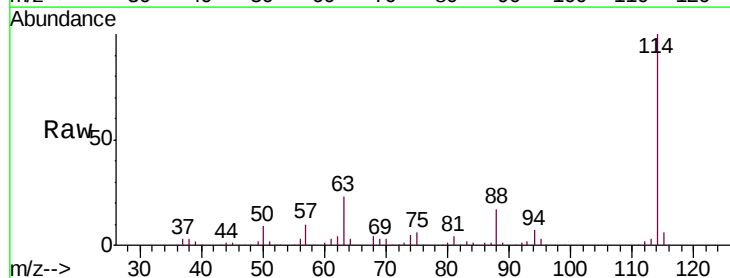
Tgt Ion: 114 Resp: 419423

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

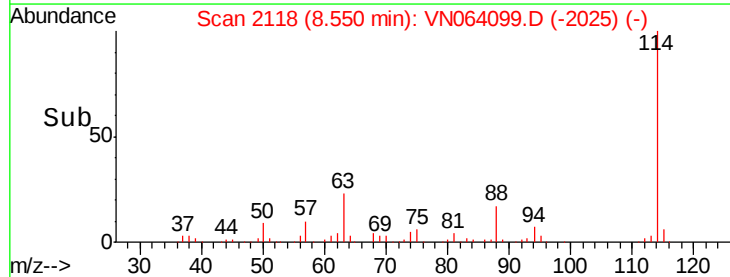
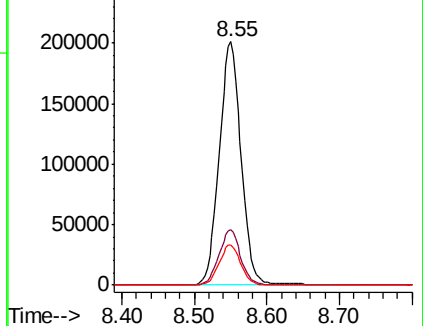
88 16.5 0.0 34.0

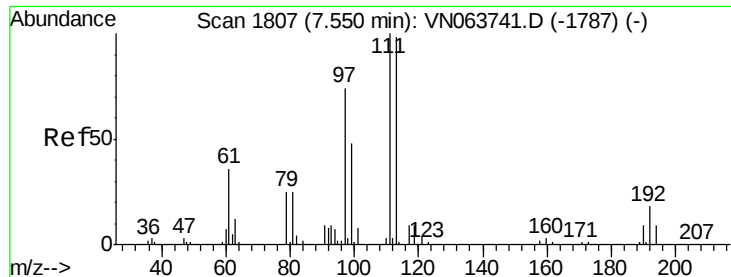


Abundance Ion 113.90 (113.60 to 114.60): VN063741.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063741.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063741.D (-2100) (-)

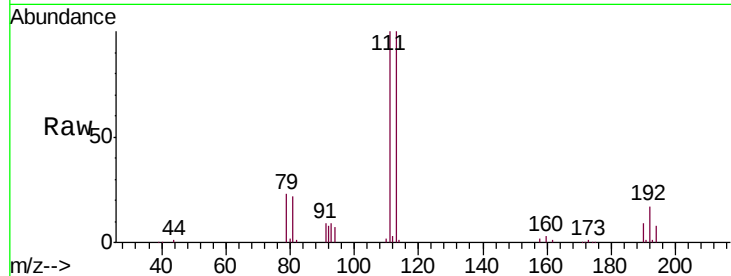




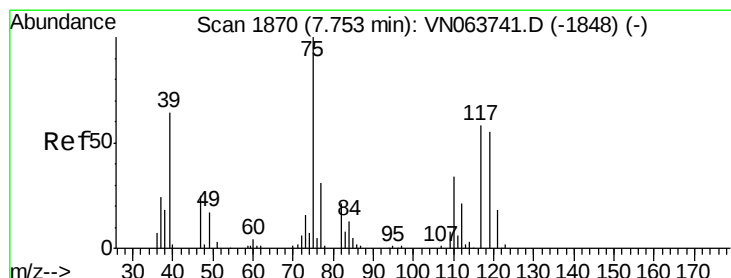
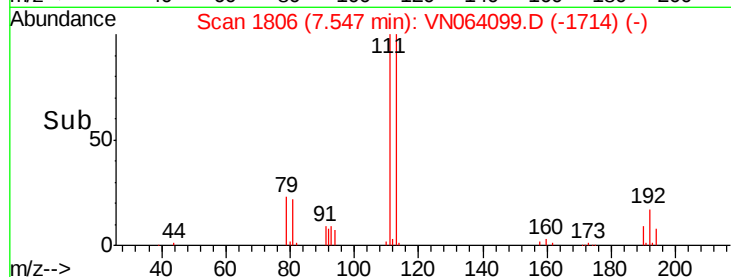
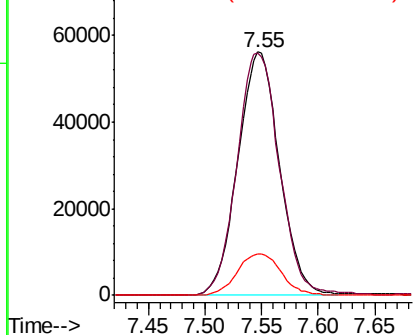
#35
 Dibromofluoromethane
 Concen: 49.442 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064099.D
 Acq: 13 Oct 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-10-8-20

Tgt Ion: 113 Resp: 143890
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.8
 192 18.0 14.2 21.2

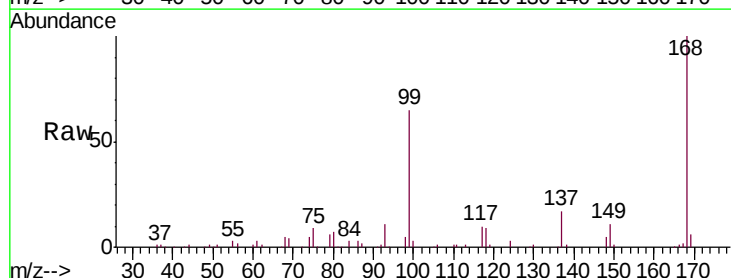


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

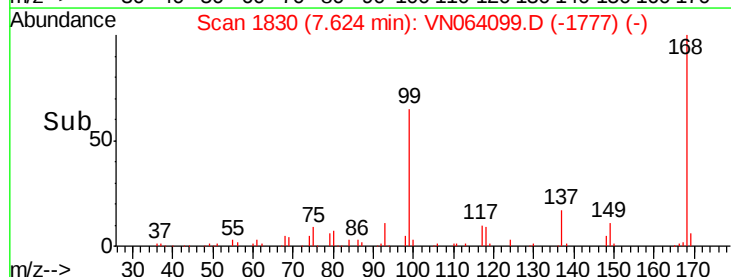
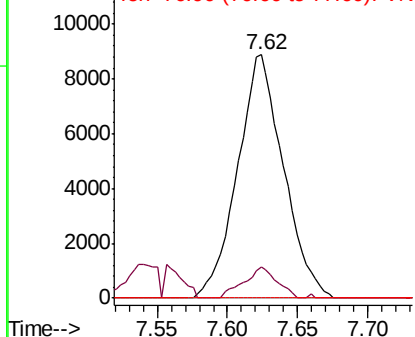


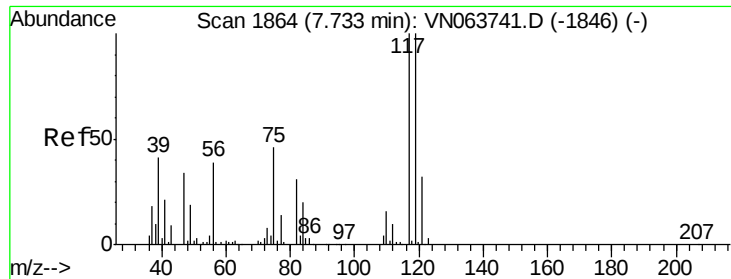
#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064099.D
 Acq: 13 Oct 2020 14:11

Tgt Ion: 75 Resp: 20220
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.5 36.7#



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: 5.207 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

TB-10-8-20

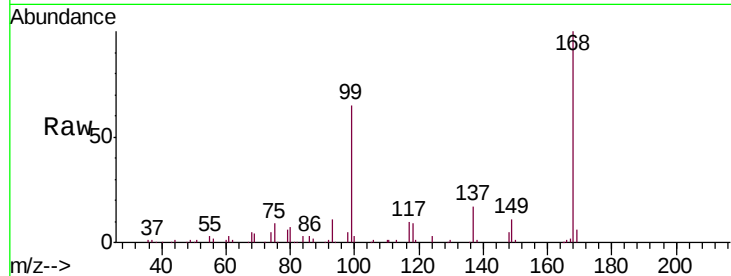
Tgt Ion:117 Resp: 24812

Ion Ratio Lower Upper

117 100

119 5.6 80.1 120.1#

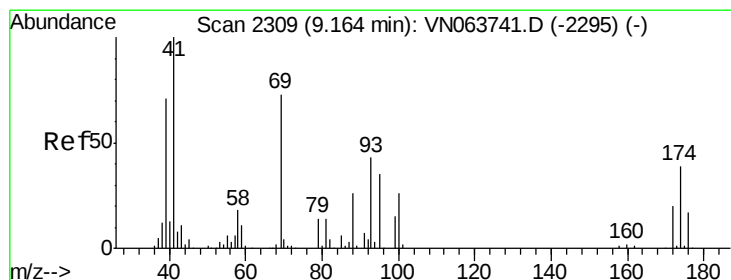
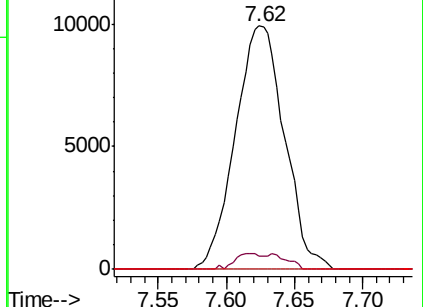
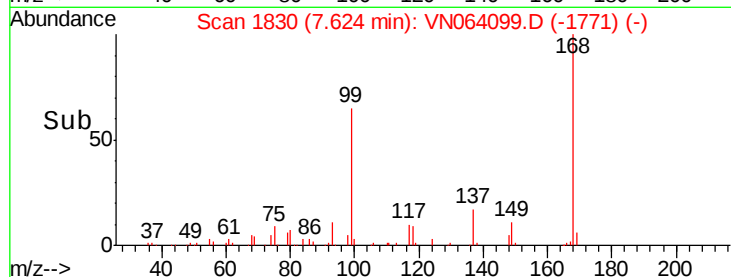
121 0.0 25.7 38.5#



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



#49

1,4-Dioxane

Concen: 2.434 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

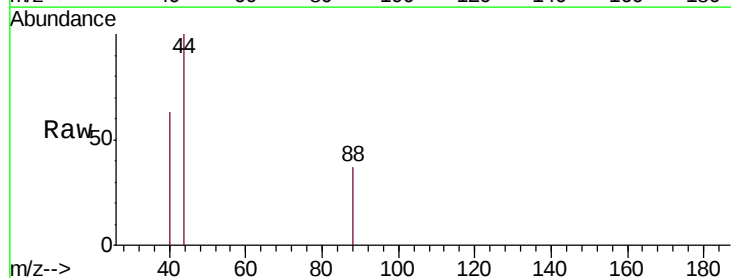
Tgt Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 52.1 33.1 49.7#

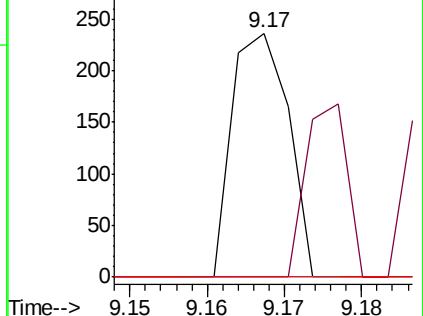
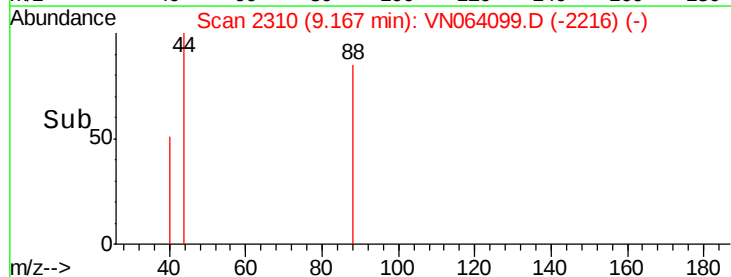
58 0.0 58.9 88.3#

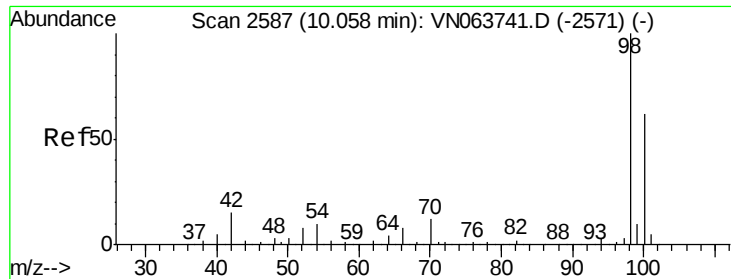


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 48.236 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

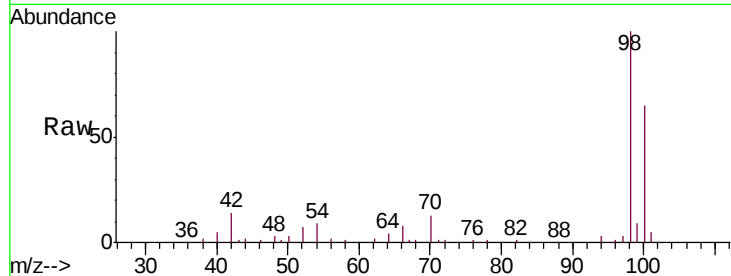
TB-10-8-20

Tgt Ion: 98 Resp: 532166

Ion Ratio Lower Upper

98 100

100 63.5 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) (-)

10.06

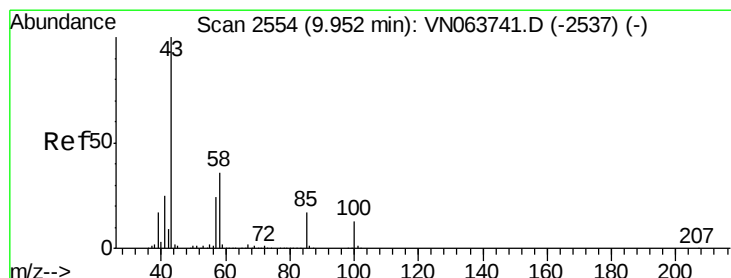
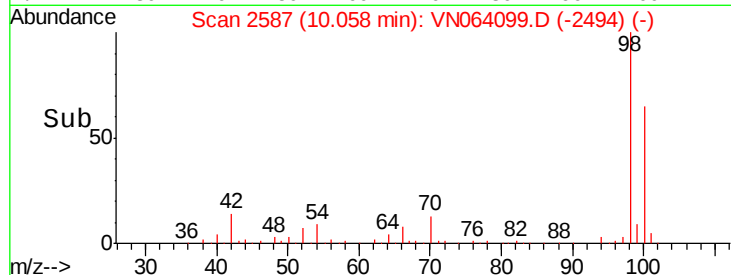
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.679 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064099.D

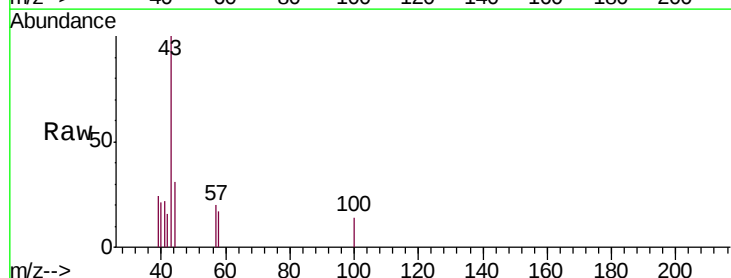
Acq: 13 Oct 2020 14:11

Tgt Ion: 43 Resp: 2773

Ion Ratio Lower Upper

43 100

58 15.7 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)

9.95

2500

2000

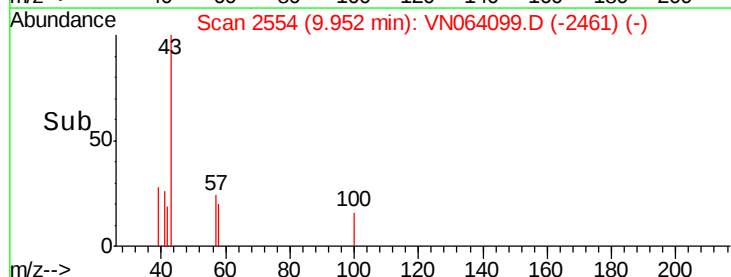
1500

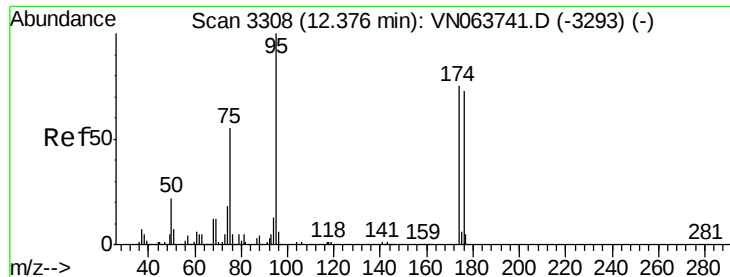
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.281 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

TB-10-8-20

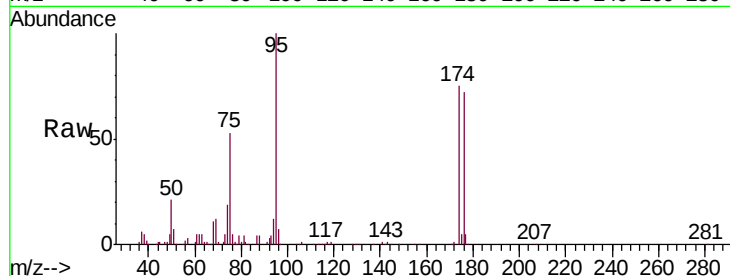
Tgt Ion: 95 Resp: 204382

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.6

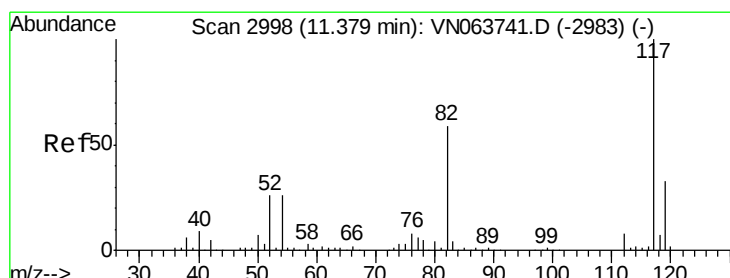
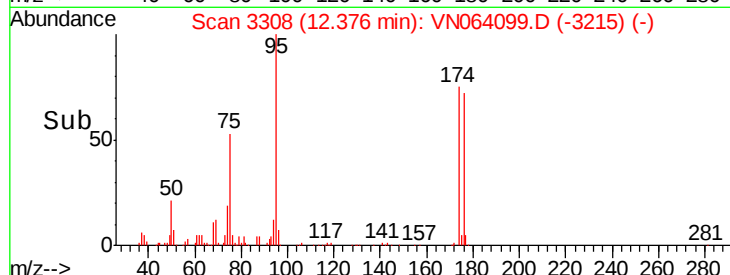
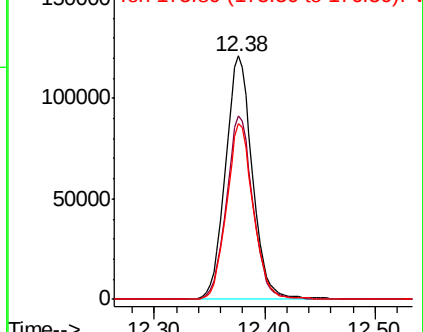
176 70.8 0.0 145.4



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: VN064099.D

Acq: 13 Oct 2020 14:11

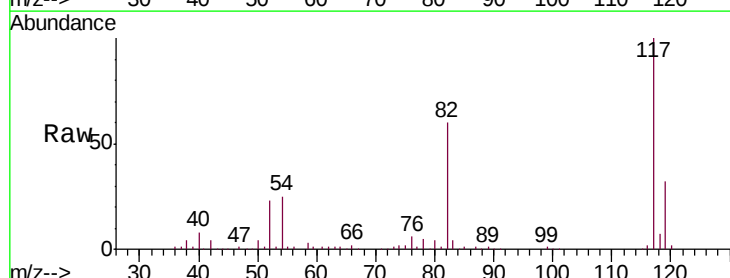
Tgt Ion: 117 Resp: 429995

Ion Ratio Lower Upper

117 100

82 60.4 47.4 71.2

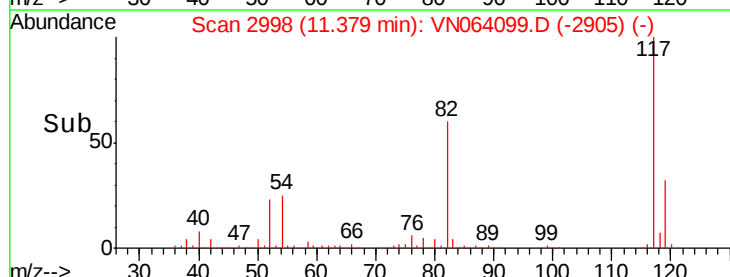
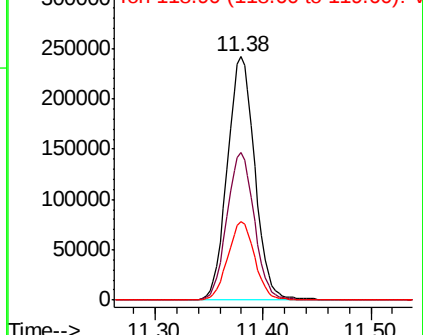
119 32.1 26.4 39.6

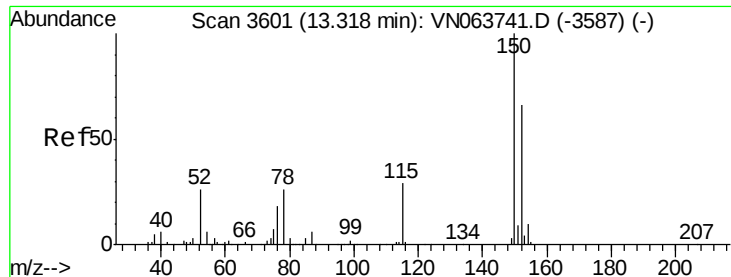


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

TB-10-8-20

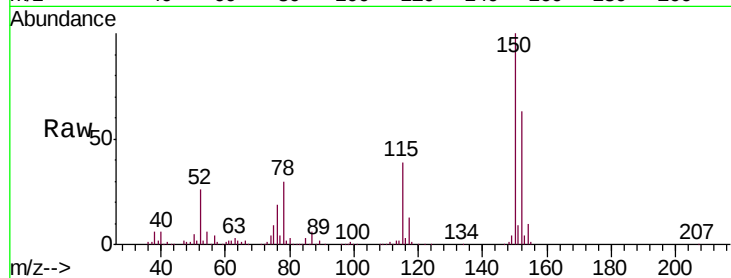
Tgt Ion:152 Resp: 161233

Ion Ratio Lower Upper

152 100

115 63.0 31.3 93.8

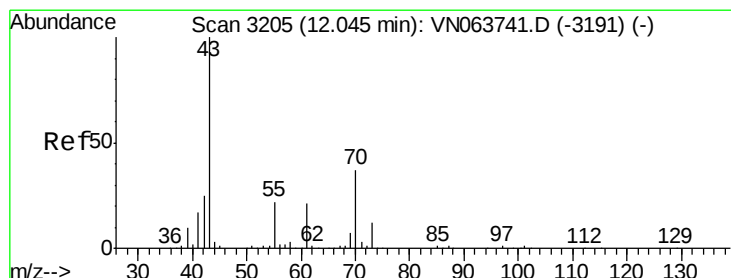
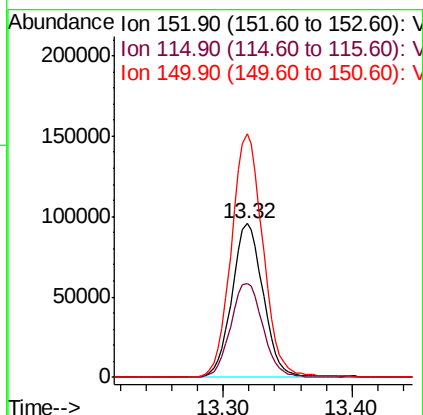
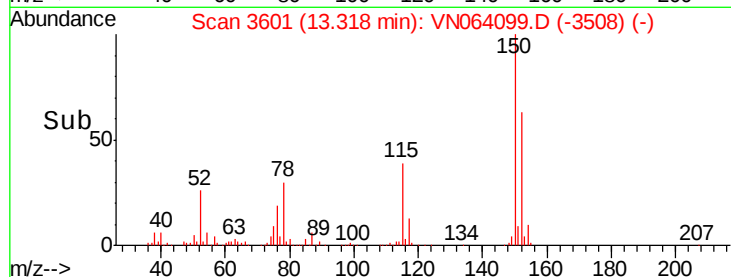
150 160.4 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.263 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Tgt Ion: 43 Resp: 269

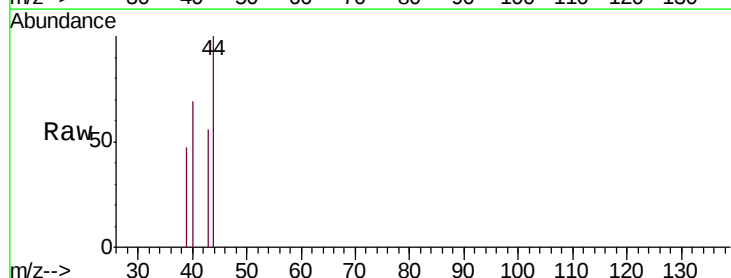
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

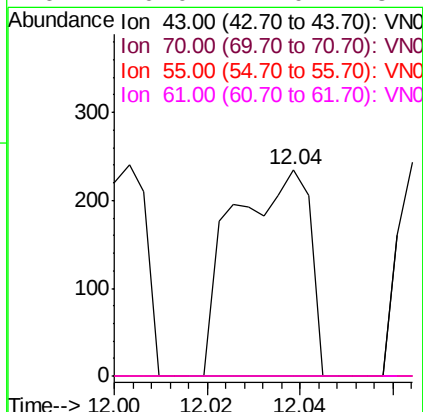
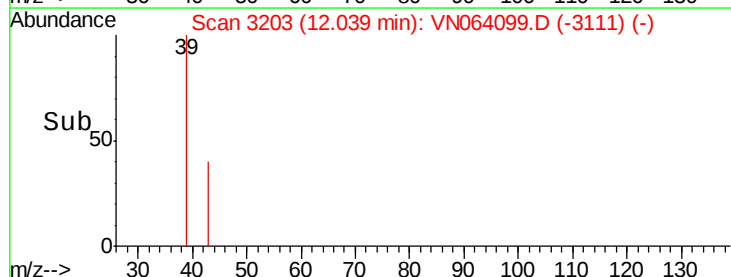


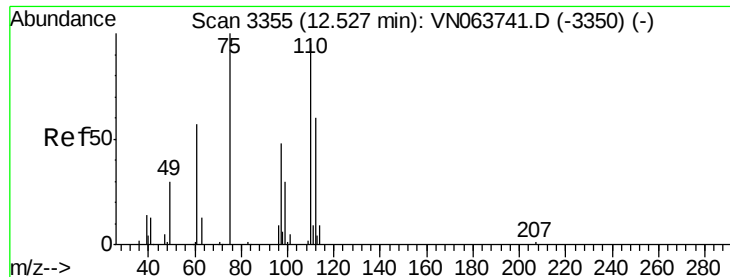
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.509 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

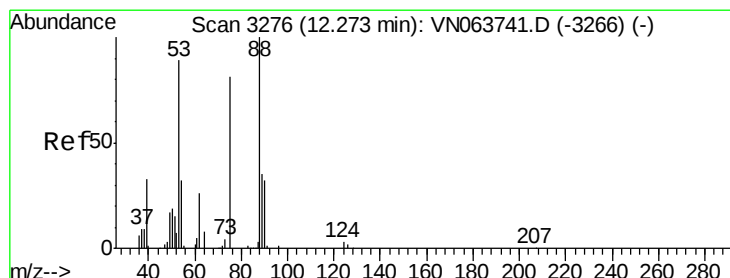
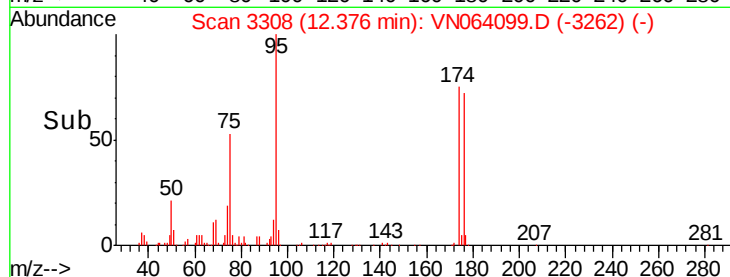
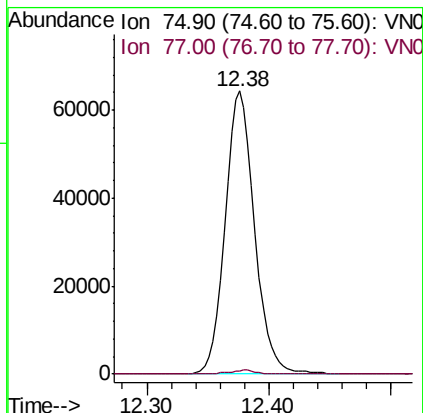
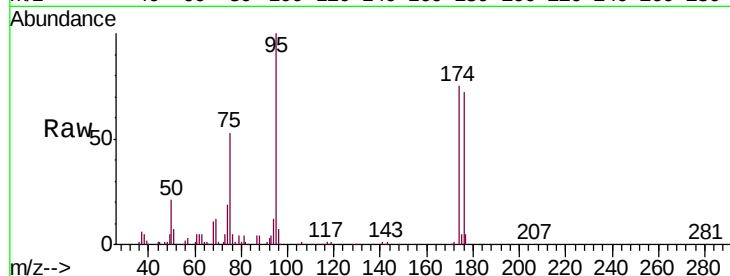
TB-10-8-20

Tgt Ion: 75 Resp: 108437

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.872 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064099.D

Acq: 13 Oct 2020 14:11

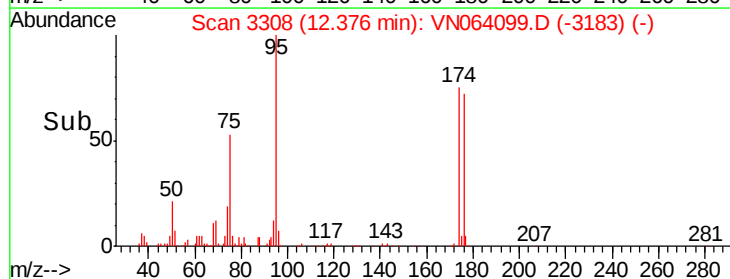
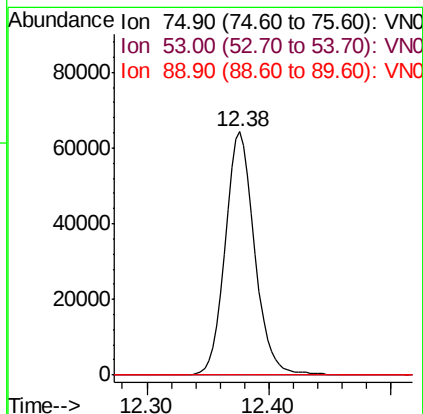
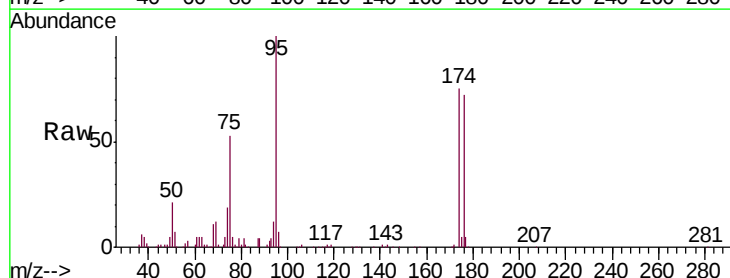
Tgt Ion: 75 Resp: 108437

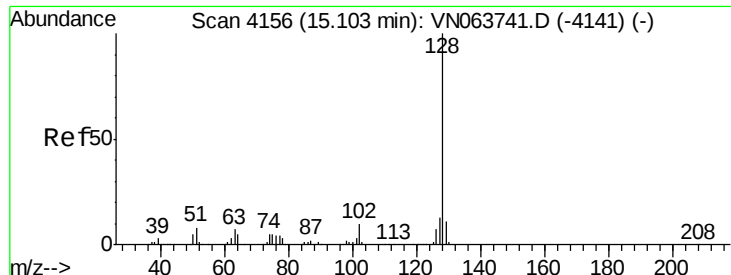
Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 1.935 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064099.D

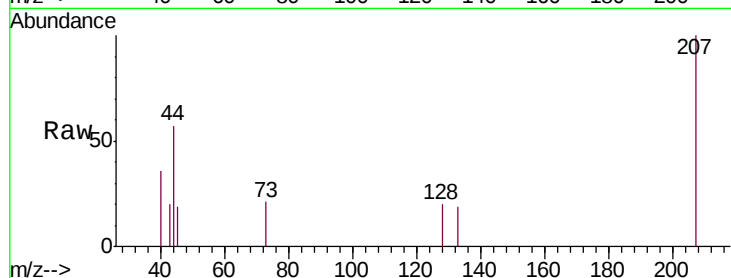
Acq: 13 Oct 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

TB-10-8-20



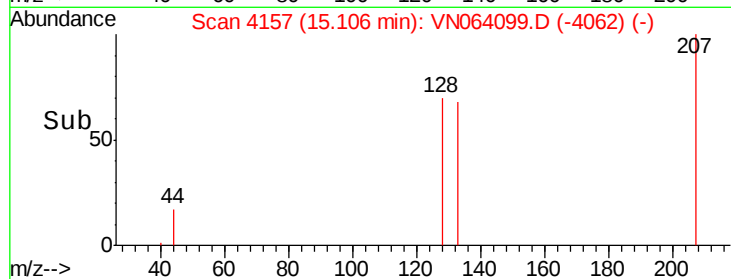
Tgt Ion:128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

