

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100620\NOT REVIEWED DATA\
 Data File : VN063899.D
 Acq On : 6 Oct 2020 17:32
 Operator : JC/MD
 Sample : L4226-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100120

Quant Time: Oct 06 18:30:35 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	240906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	435006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	447461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186261	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	205960	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.55	113	149868	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.06	98	549747	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.38	95	215996	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

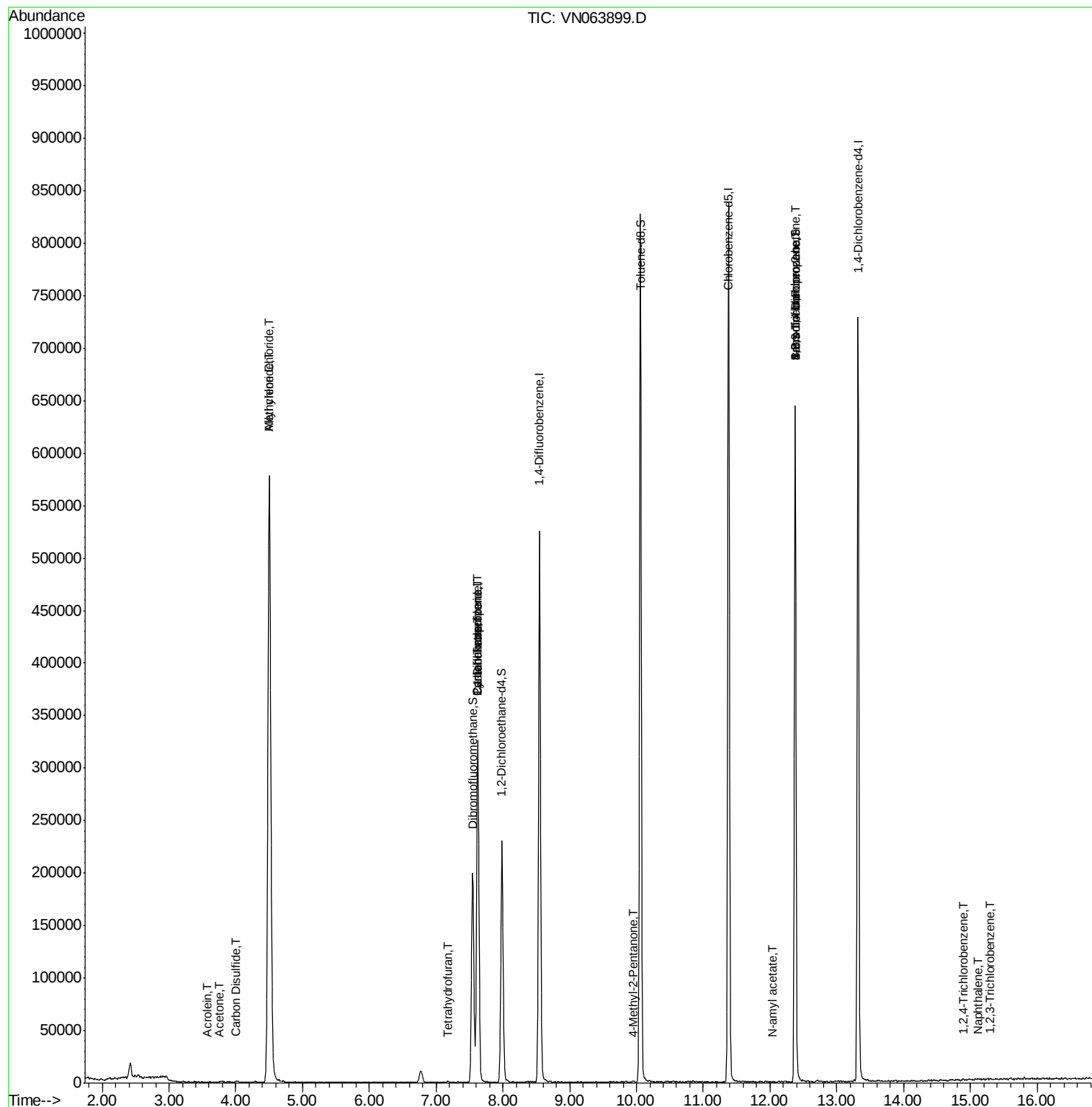
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	60	0.222	ug/l #	65
14) Allyl chloride	4.50	41	14493	3.216	ug/l #	20
16) Acetone	3.76	43	448	0.366	ug/l #	47
17) Carbon Disulfide	4.00	76	931	0.841	ug/l #	76
20) Methylene Chloride	4.50	84	408558	145.404	ug/l	97
29) Tetrahydrofuran	7.18	42	305	0.262	ug/l #	43
31) Cyclohexane	7.62	56	6666	1.443	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	22094	5.013	ug/l #	51
38) Carbon Tetrachloride	7.62	117	26860	5.435	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	951	0.224	ug/l #	39
71) Bromoform	12.37	173	881	0.327	ug/l #	1
74) N-amyl acetate	12.03	43	41	2.222	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	120374	29.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	120374	84.438	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	118	1.771	ug/l #	50
95) Naphthalene	15.11	128	1053	2.025	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	168	1.620	ug/l #	82

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

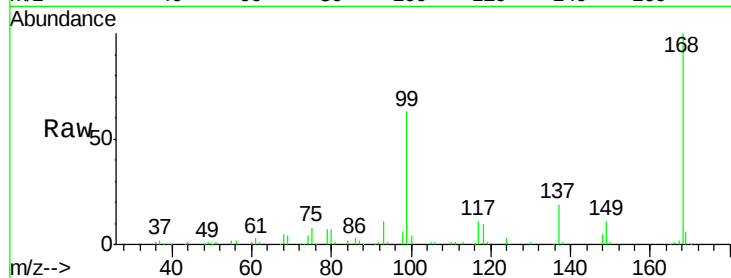
TR-05-100120

Tgt Ion:168 Resp: 240906

Ion Ratio Lower Upper

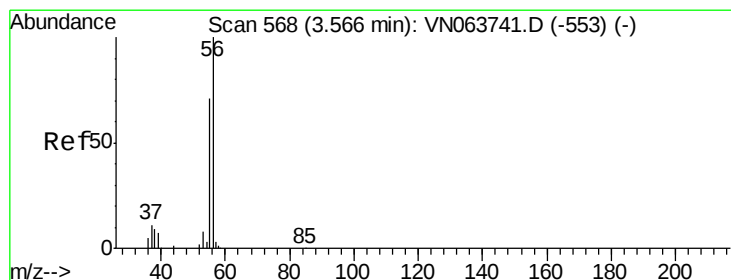
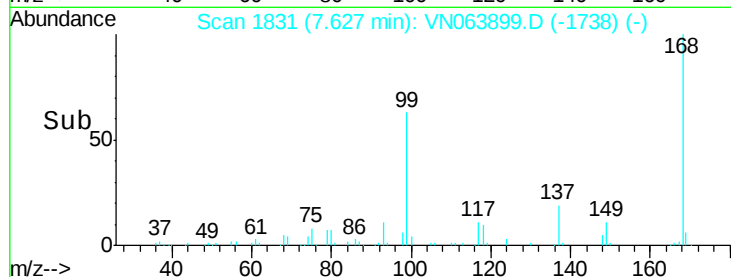
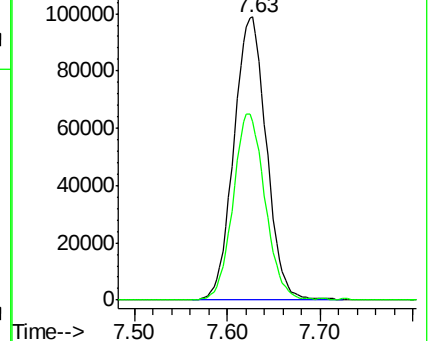
168 100

99 63.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.222 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN063899.D

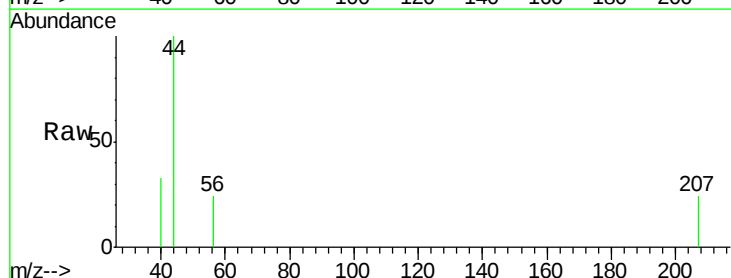
Acq: 6 Oct 2020 17:32

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

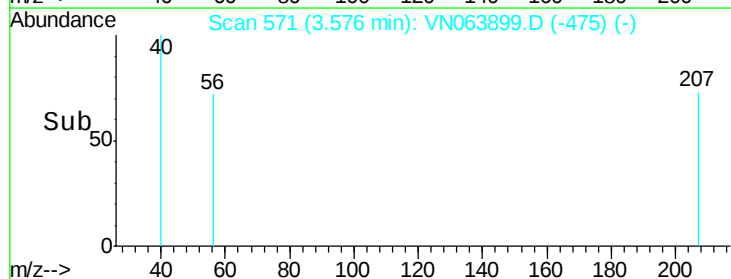
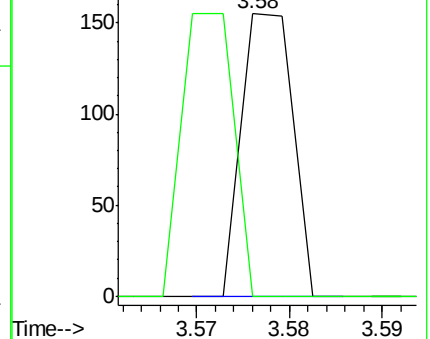
56 100

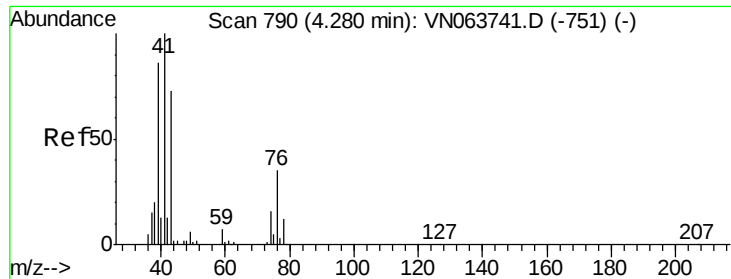
55 100.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

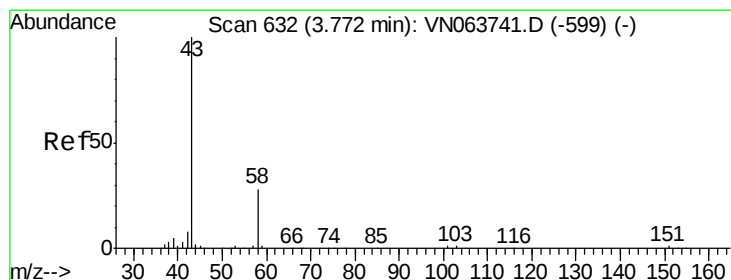
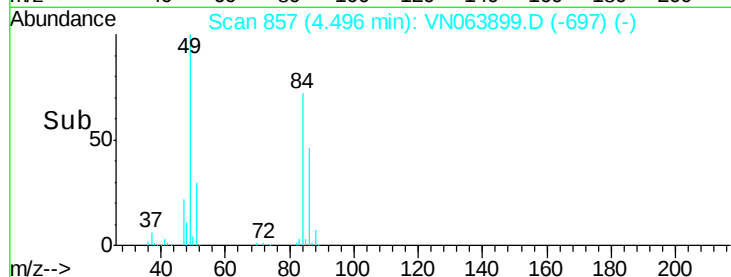
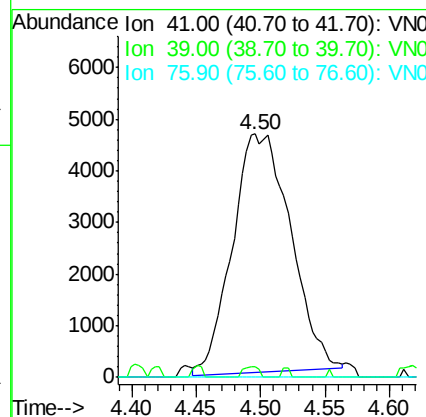
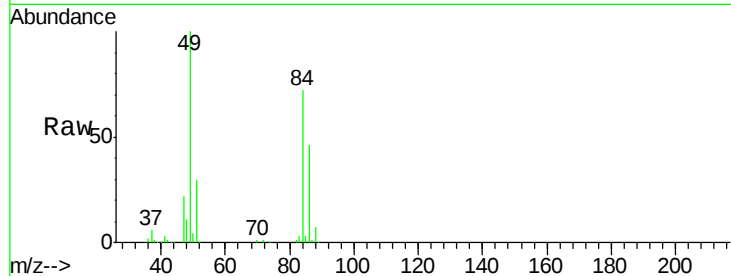




#14
 Allyl chloride
 Concen: 3.216 ug/l
 RT: 4.50 min Scan# 857
 Delta R.T. 0.22 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

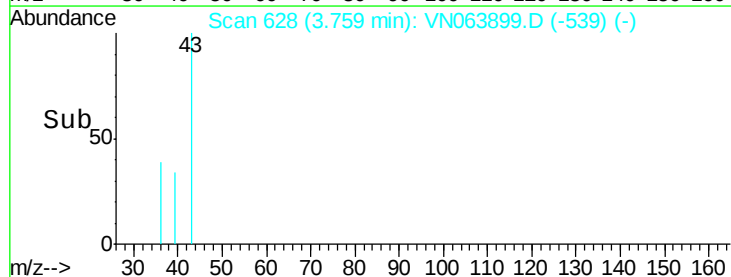
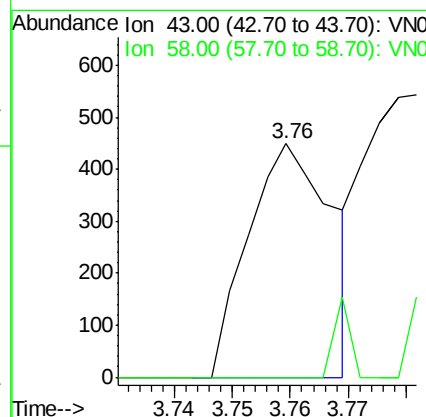
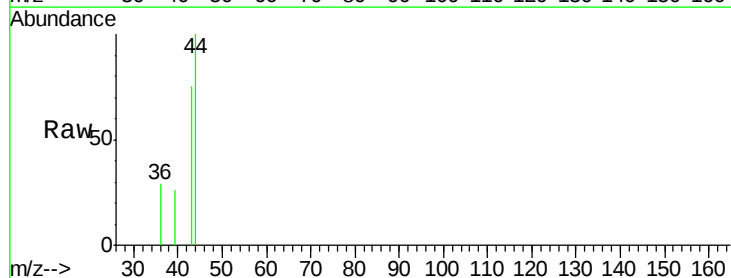
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100120

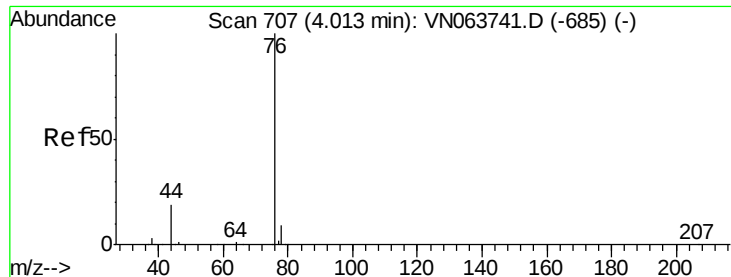
Tgt Ion: 41 Resp: 14493
 Ion Ratio Lower Upper
 41 100
 39 1.2 64.5 96.7#
 76 0.0 25.9 38.9#



#16
 Acetone
 Concen: 0.366 ug/l
 RT: 3.76 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Tgt Ion: 43 Resp: 448
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.3 33.5#





#17

Carbon Disulfide

Concen: 0.841 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

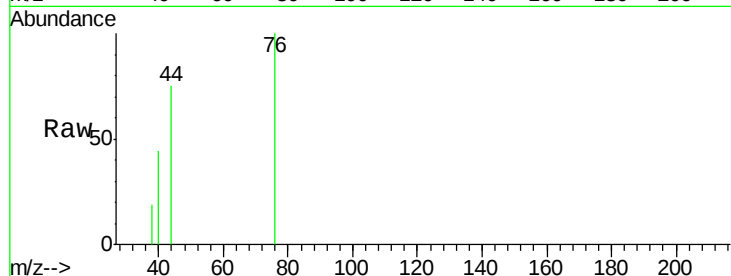
TR-05-100120

Tgt Ion: 76 Resp: 931

Ion Ratio Lower Upper

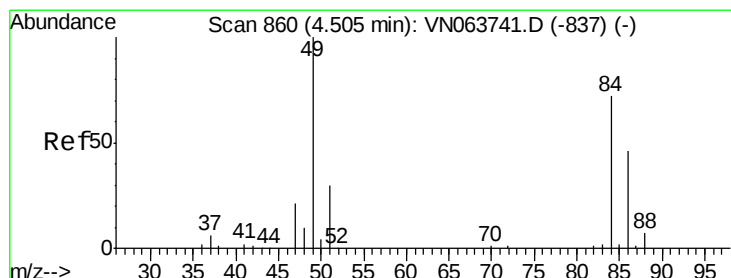
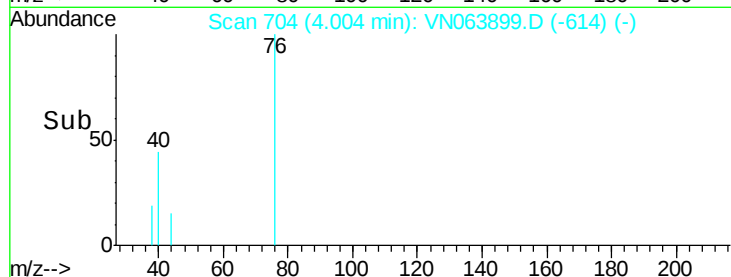
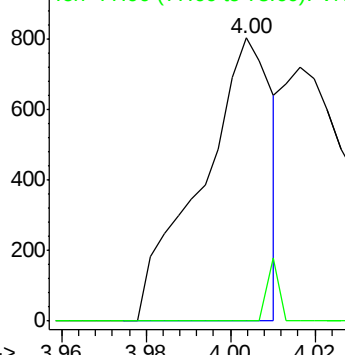
76 100

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



#20

Methylene Chloride

Concen: 145.404 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Tgt Ion: 84 Resp: 408558

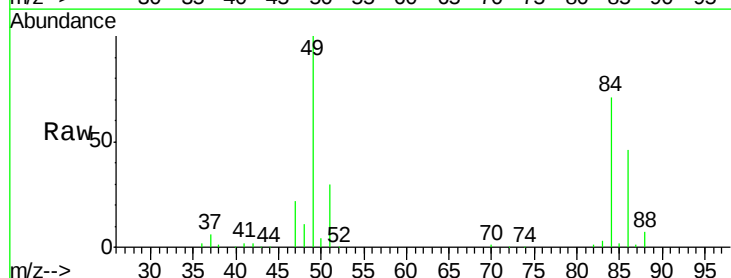
Ion Ratio Lower Upper

84 100

49 141.7 110.4 165.6

51 42.8 33.3 49.9

86 65.1 50.7 76.1

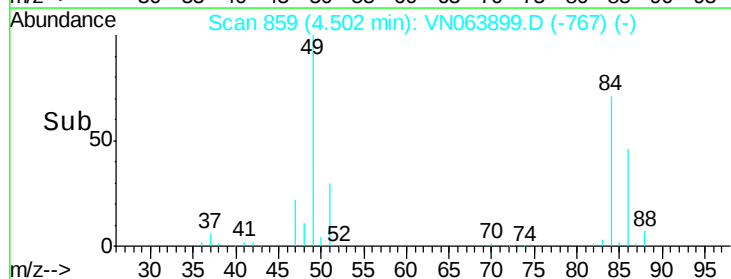
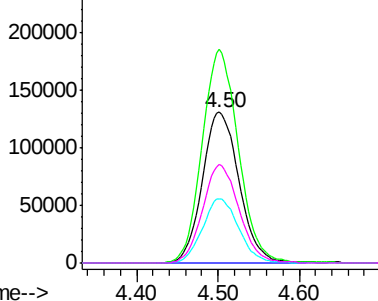


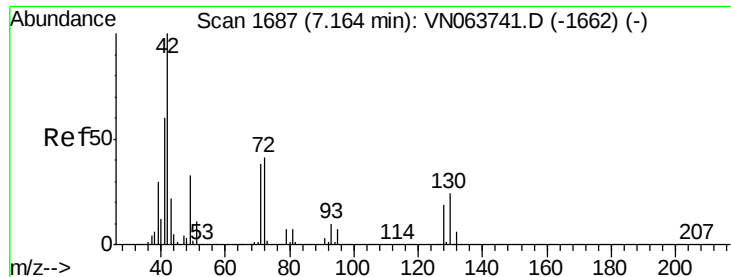
Abundance Ion 83.90 (83.60 to 84.60): VN0

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





#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100120

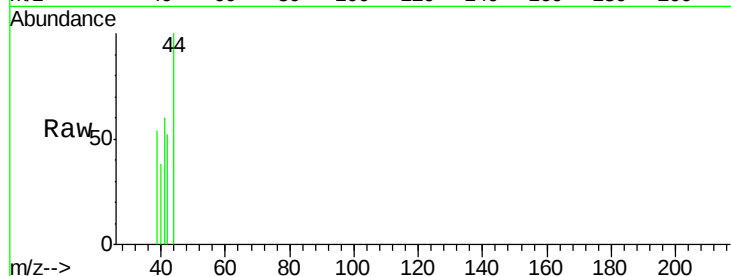
Tgt Ion: 42 Resp: 305

Ion Ratio Lower Upper

42 100

72 9.5 32.8 49.2#

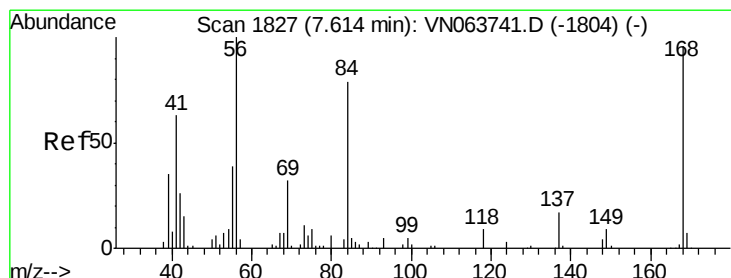
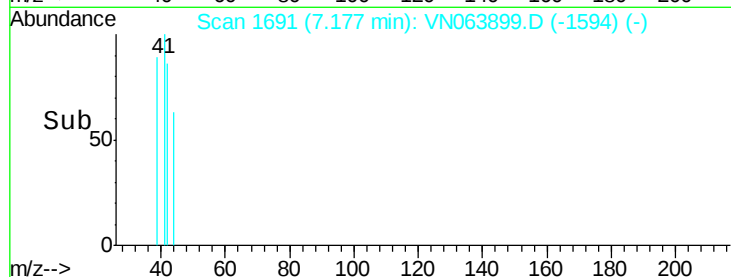
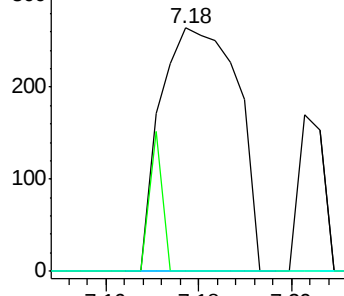
71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.443 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

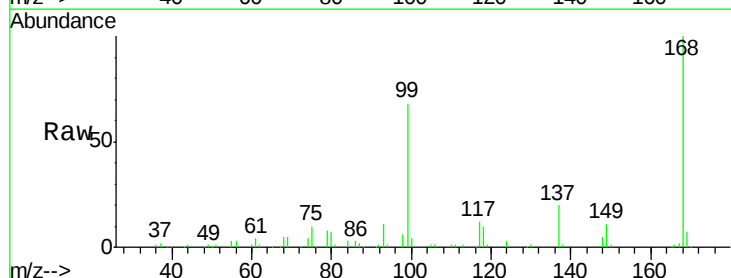
Tgt Ion: 56 Resp: 6666

Ion Ratio Lower Upper

56 100

69 167.2 25.4 38.2#

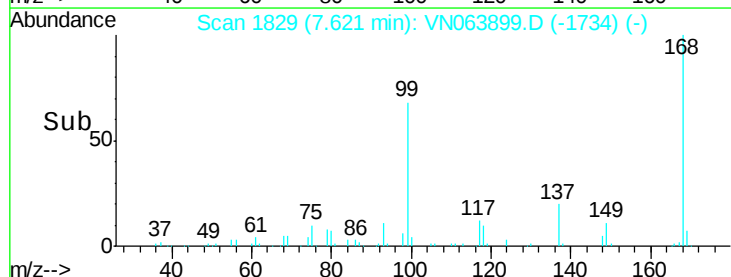
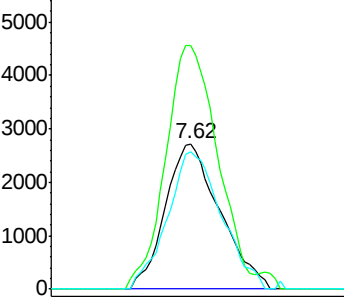
84 94.6 63.3 94.9

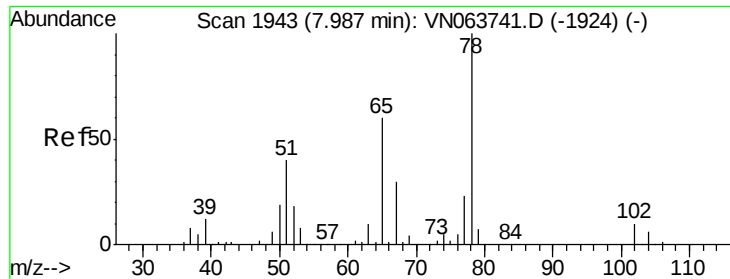


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

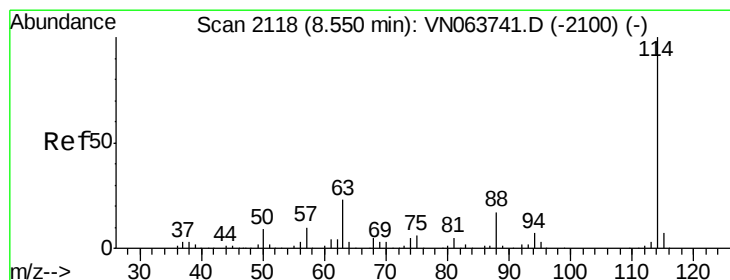
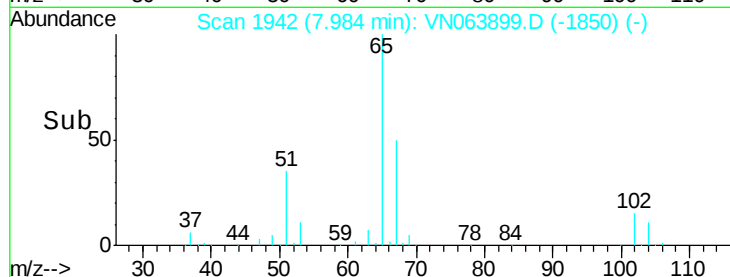
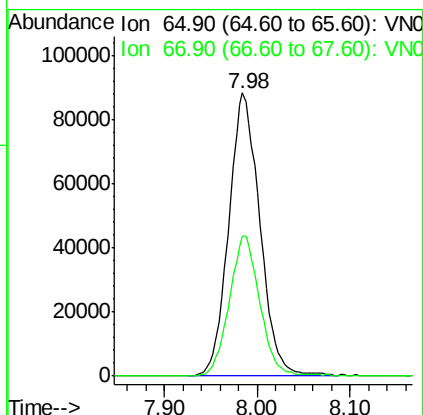
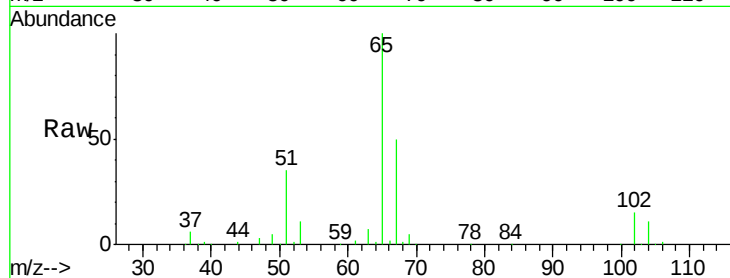




#33
 1,2-Dichloroethane-d4
 Concen: 51.750 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

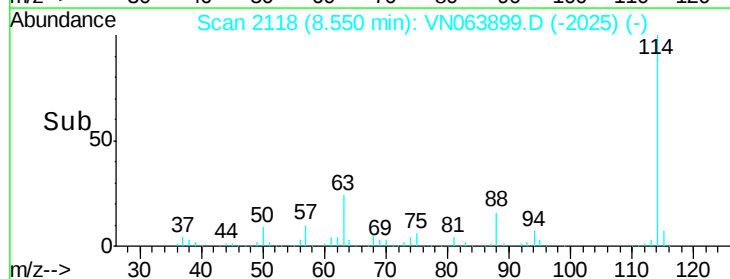
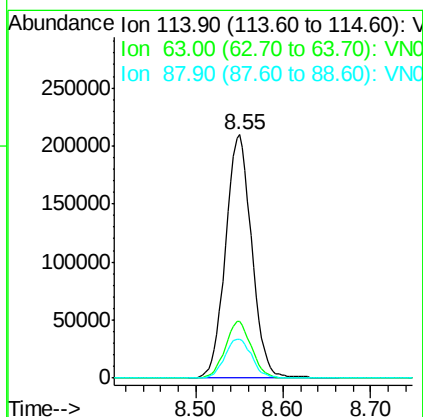
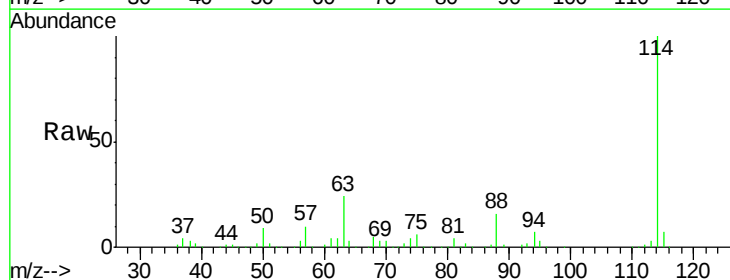
Instrument :
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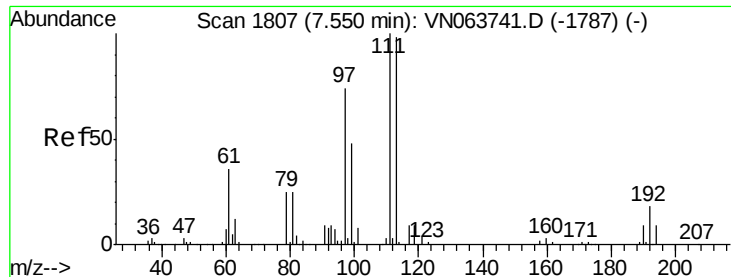
Tgt Ion: 65 Resp: 205960
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Tgt Ion: 114 Resp: 435006
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.0
 88 16.1 0.0 34.0

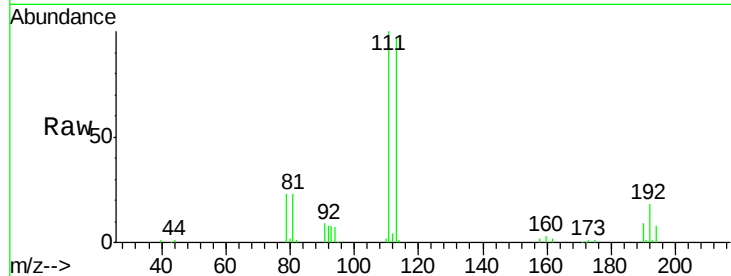




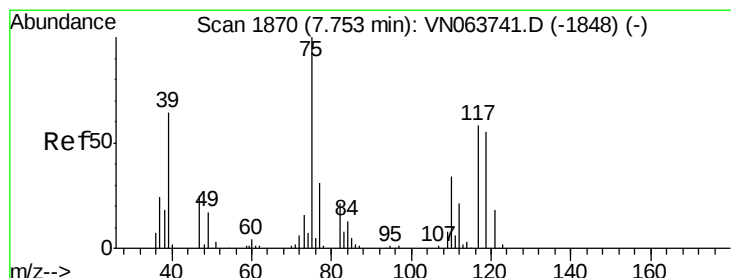
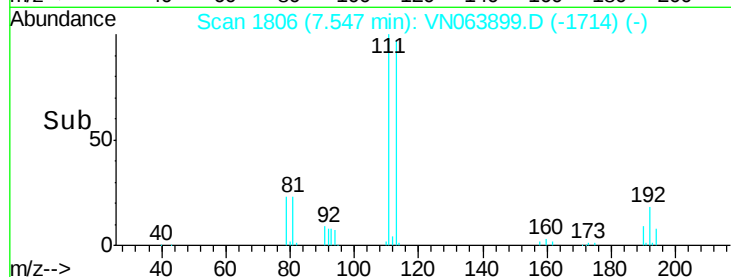
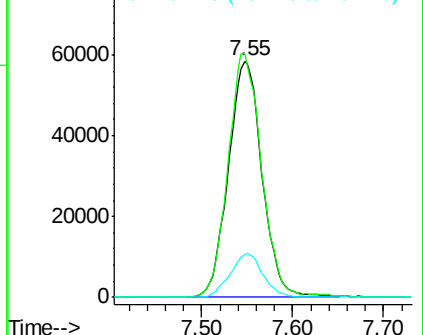
#35
Dibromofluoromethane
Concen: 49.651 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063899.D
Acq: 6 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
TR-05-100120

Tgt Ion:113 Resp: 149868
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 17.9 14.2 21.2

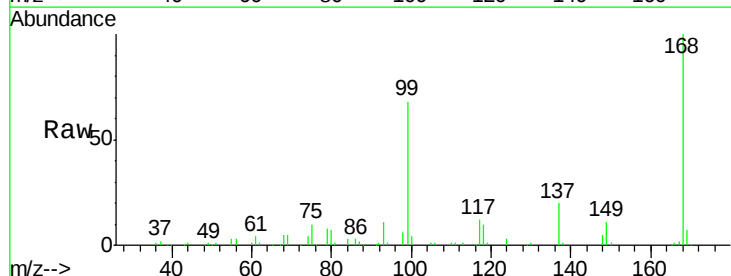


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

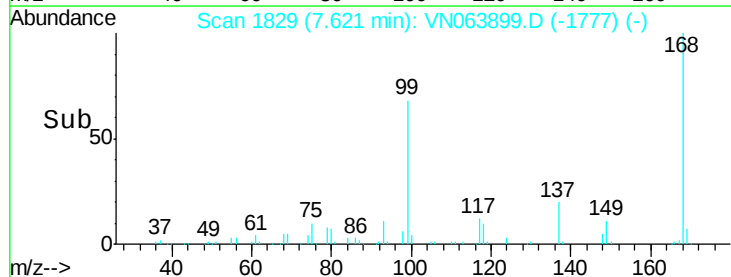
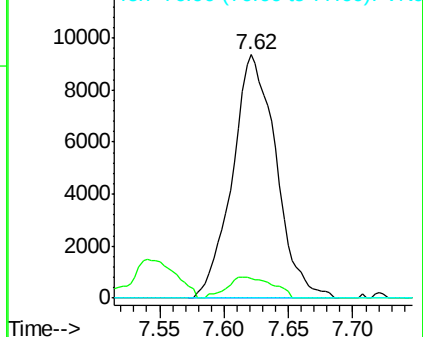


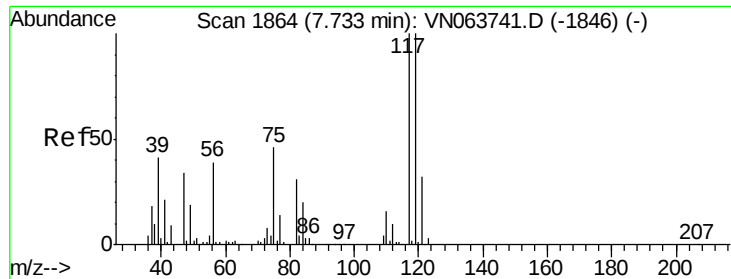
#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.13 min
Lab File: VN063899.D
Acq: 6 Oct 2020 17:32

Tgt Ion: 75 Resp: 22094
Ion Ratio Lower Upper
75 100
110 9.0 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: 5.435 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100120

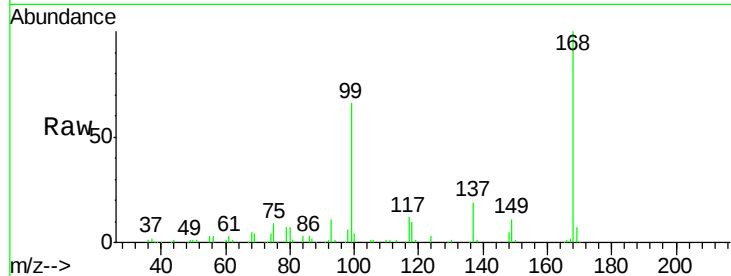
Tgt Ion:117 Resp: 26860

Ion Ratio Lower Upper

117 100

119 6.1 80.1 120.1#

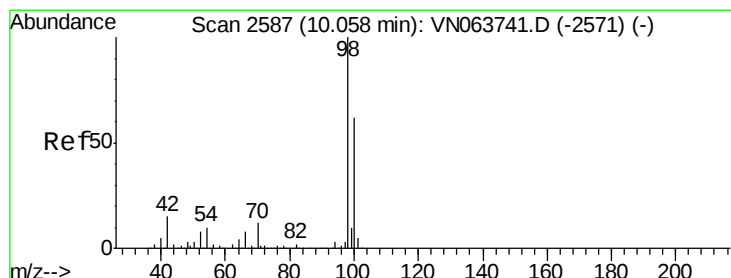
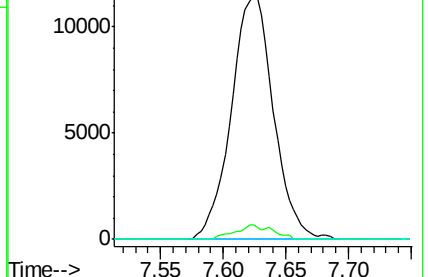
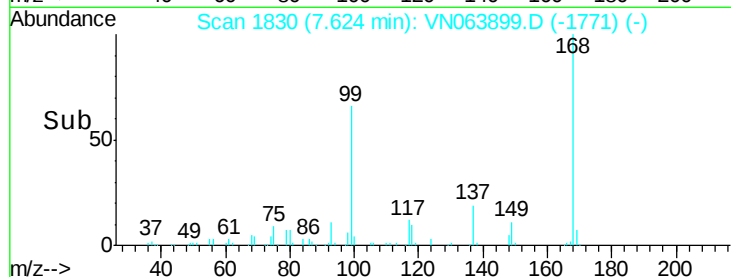
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 48.045 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063899.D

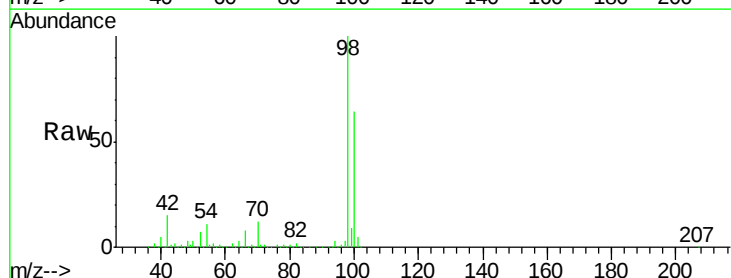
Acq: 6 Oct 2020 17:32

Tgt Ion: 98 Resp: 549747

Ion Ratio Lower Upper

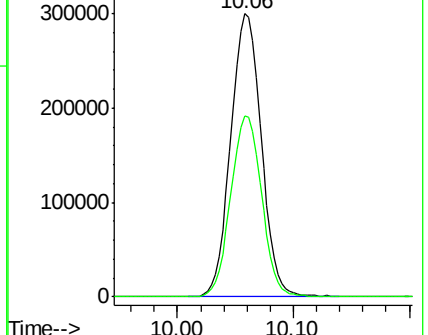
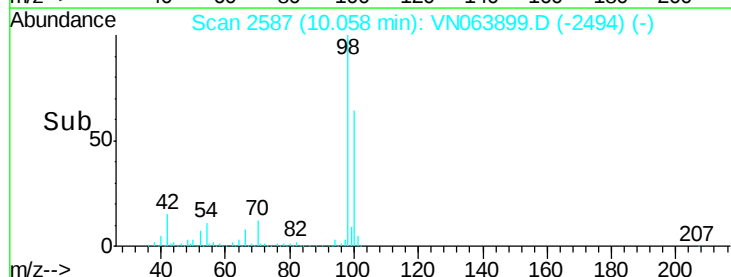
98 100

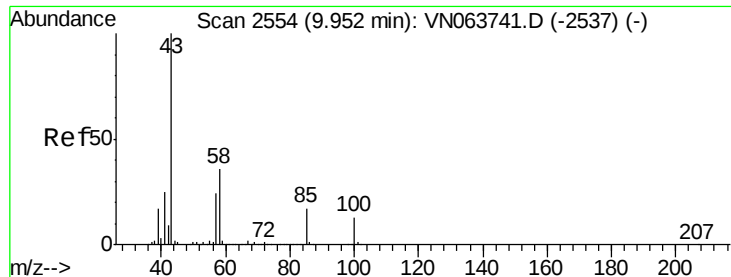
100 64.8 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

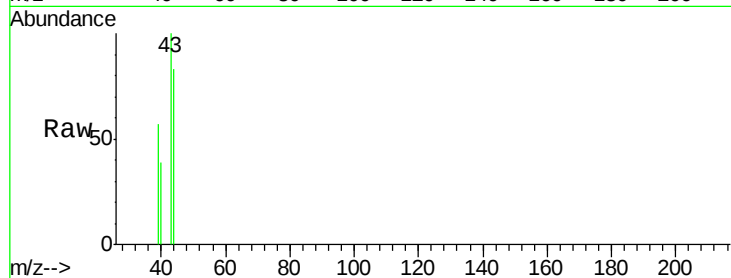
TR-05-100120

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

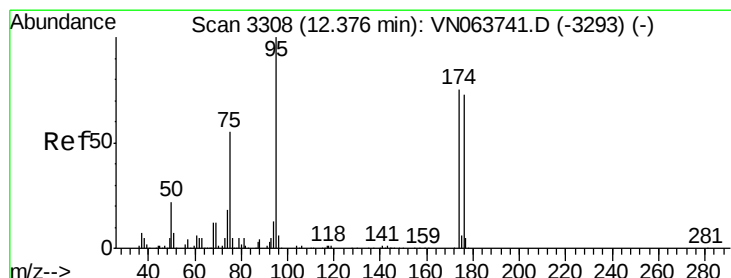
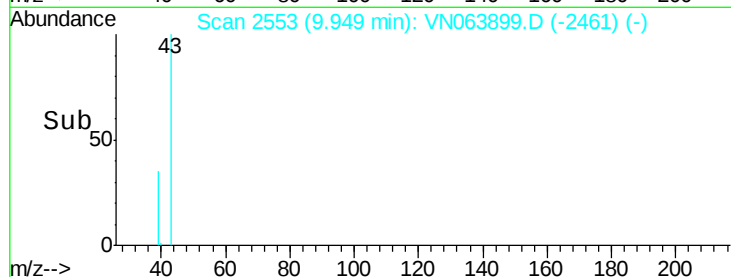
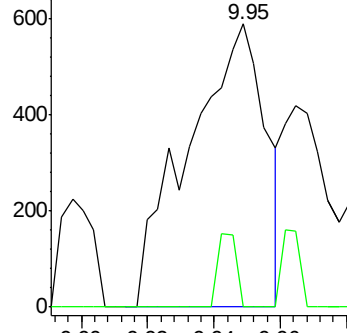
43 100

58 0.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.216 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

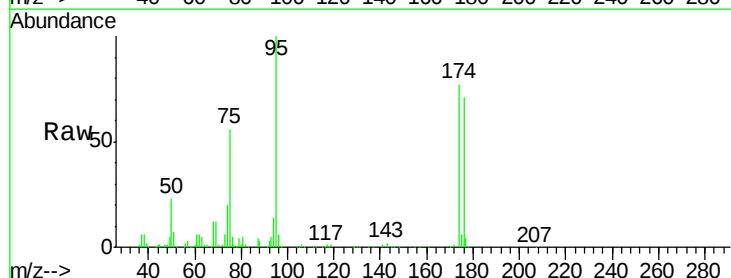
Tgt Ion: 95 Resp: 215996

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.6

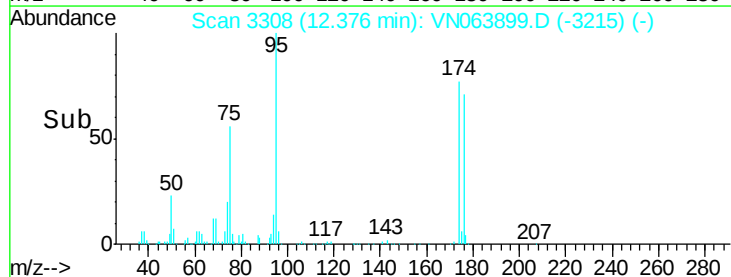
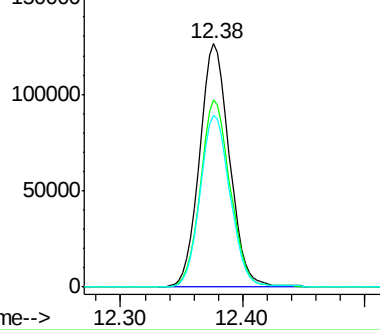
176 70.7 0.0 145.4

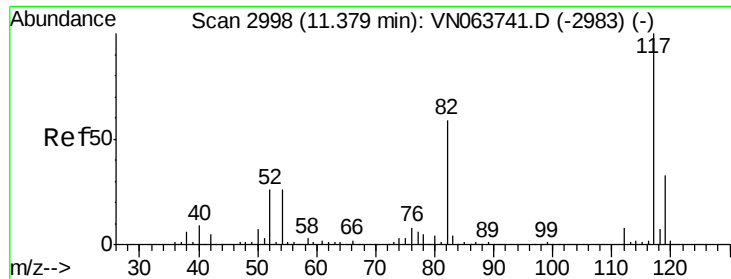


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

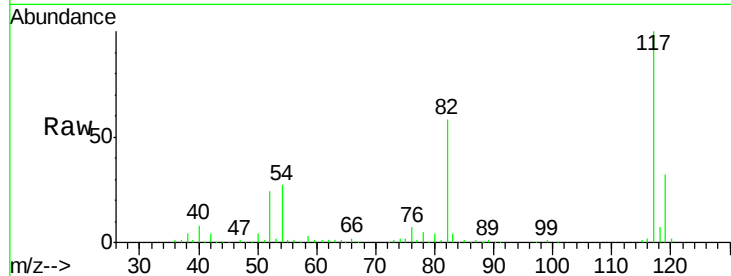




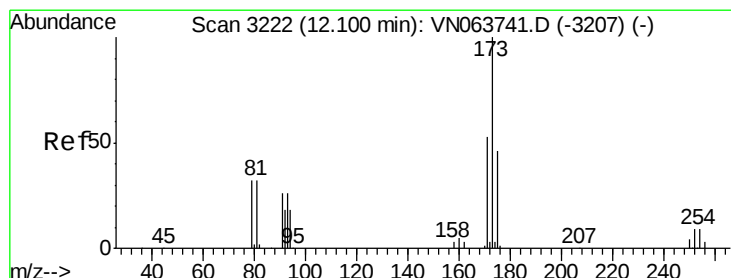
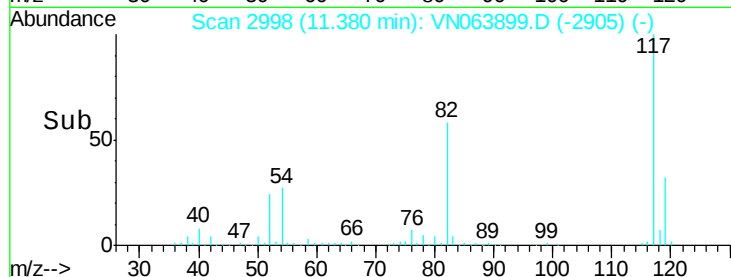
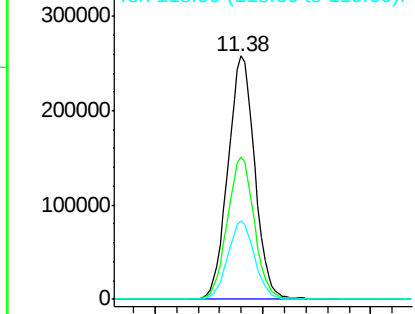
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063899.D
Acq: 6 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
TR-05-100120

Tgt Ion:117 Resp: 447461
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.1 26.4 39.6

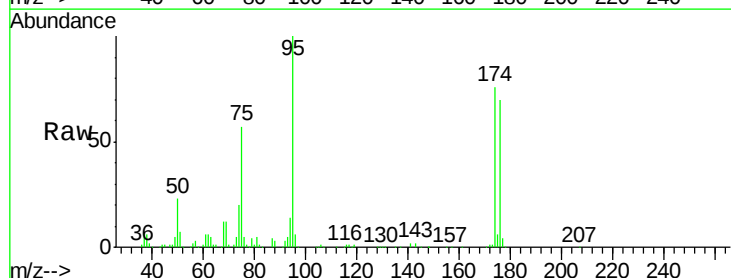


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

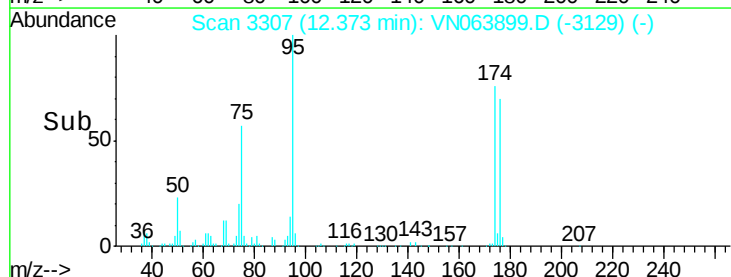
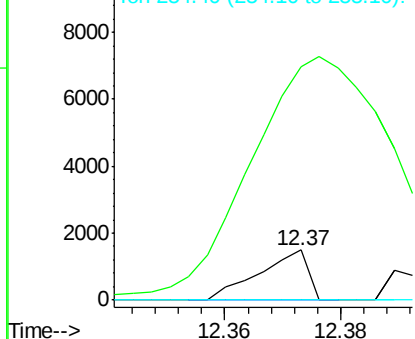


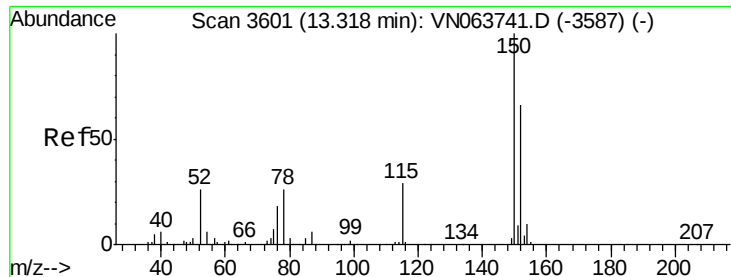
#71
Bromoform
Concen: 0.327 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN063899.D
Acq: 6 Oct 2020 17:32

Tgt Ion:173 Resp: 881
Ion Ratio Lower Upper
173 100
175 1170.4 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100120

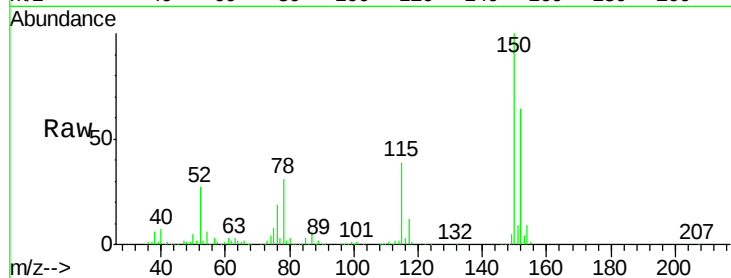
Tgt Ion:152 Resp: 186261

Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.8

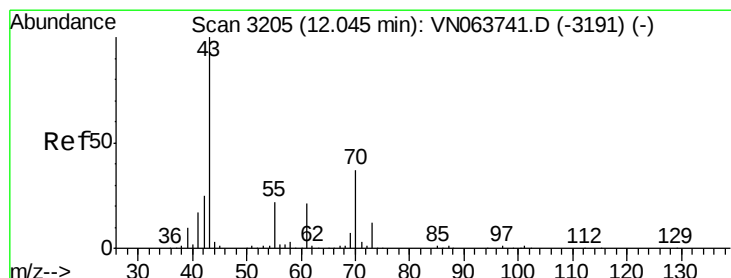
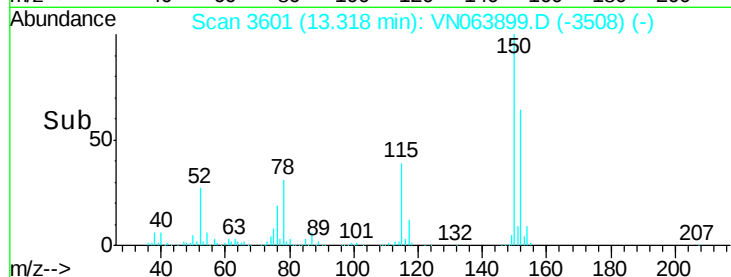
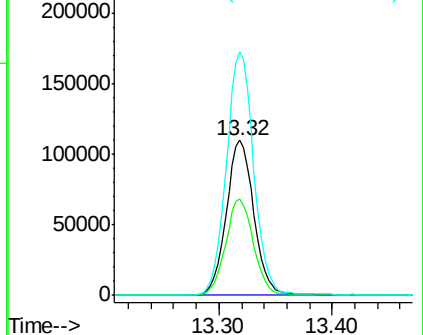
150 155.4 0.0 341.8



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: 2.222 ug/l

RT: 12.03 min Scan# 3199

Delta R.T. -0.02 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Tgt Ion: 43 Resp: 41

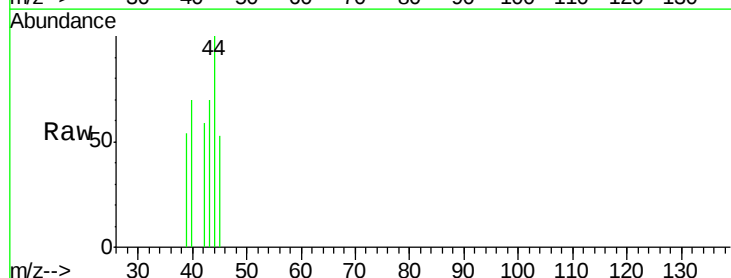
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

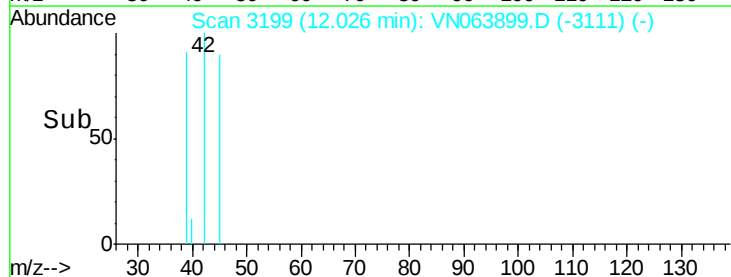
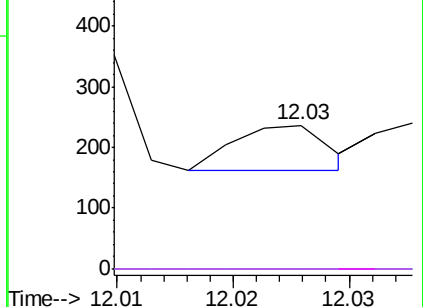


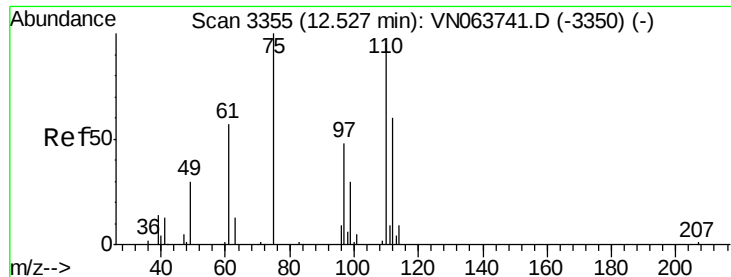
Abundance Ion 43.00 (42.70 to 43.70): V

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

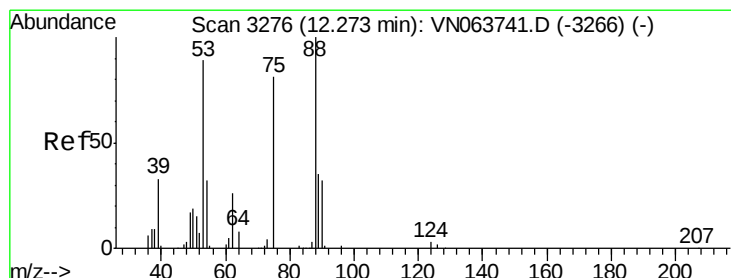
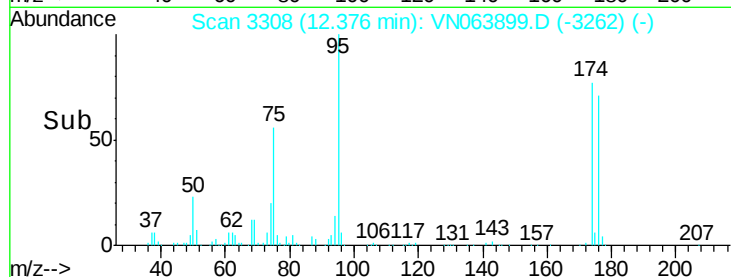
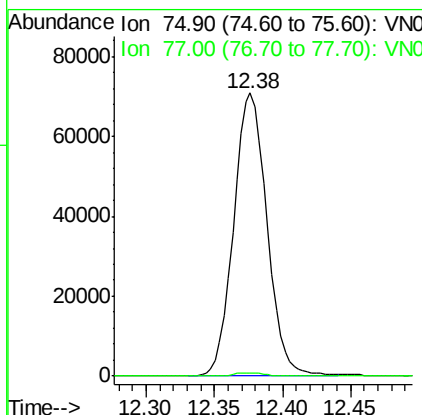
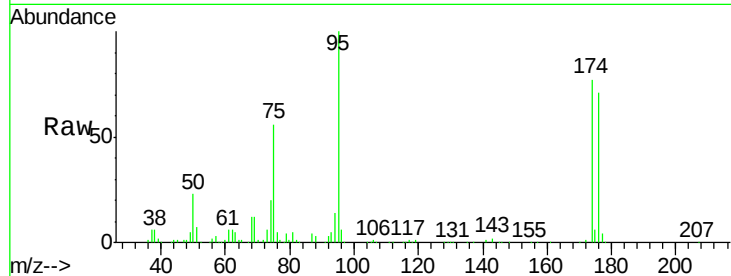




#76
 1,2,3-Trichloropropane
 Concen: 29.317 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

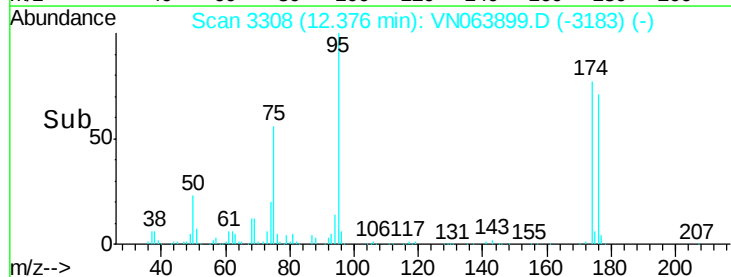
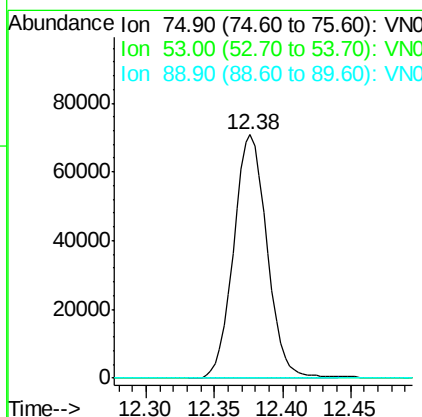
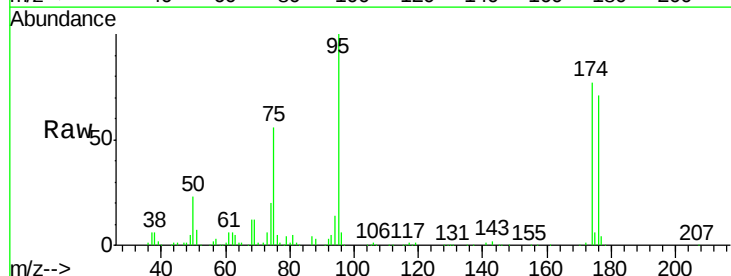
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100120

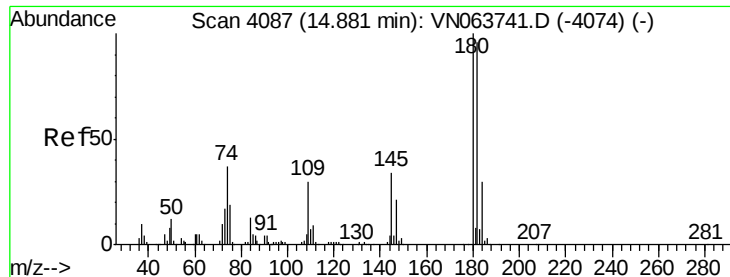
Tgt Ion: 75 Resp: 120374
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.438 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Tgt Ion: 75 Resp: 120374
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.2 132.2#
 89 0.0 36.0 54.0#

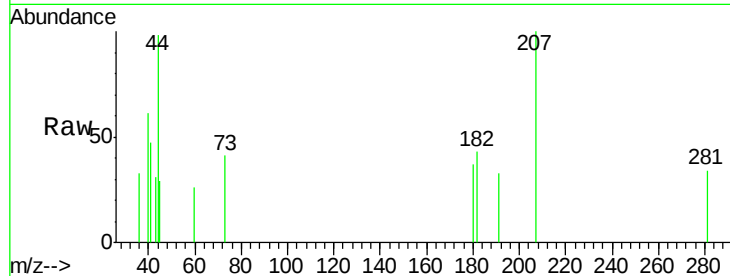




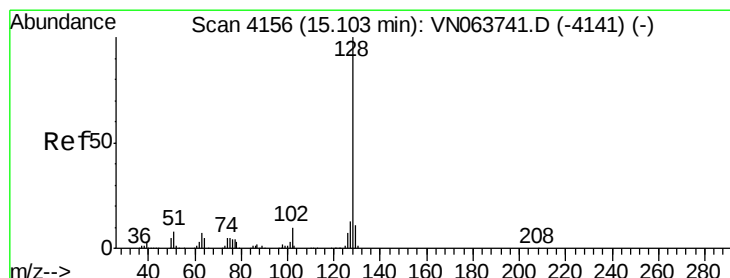
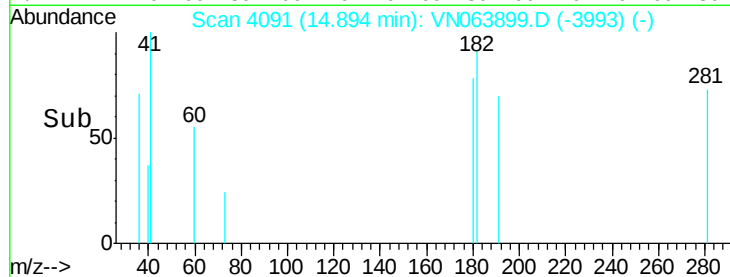
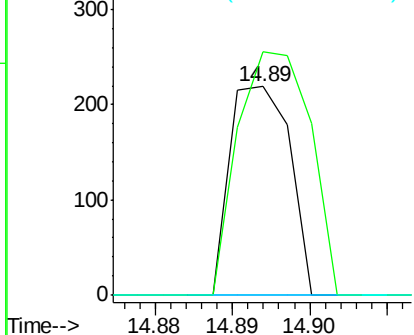
#93
 1,2,4-Trichlorobenzene
 Concen: 1.771 ug/l
 RT: 14.89 min Scan# 4091
 Delta R.T. 0.01 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampled :
 TR-05-100120

Tgt Ion:180 Resp: 118
 Ion Ratio Lower Upper
 180 100
 182 141.5 48.2 144.6
 145 0.0 17.1 51.2#

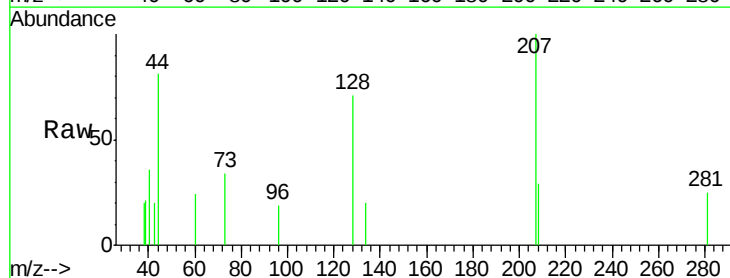


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

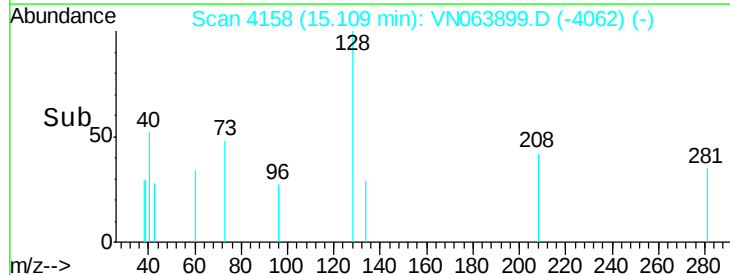
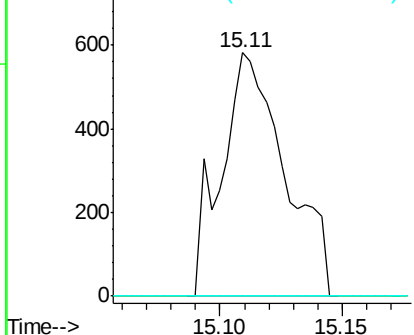


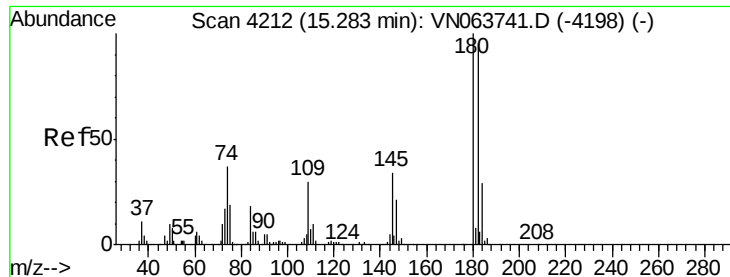
#95
 Naphthalene
 Concen: 2.025 ug/l
 RT: 15.11 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Tgt Ion:128 Resp: 1053
 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

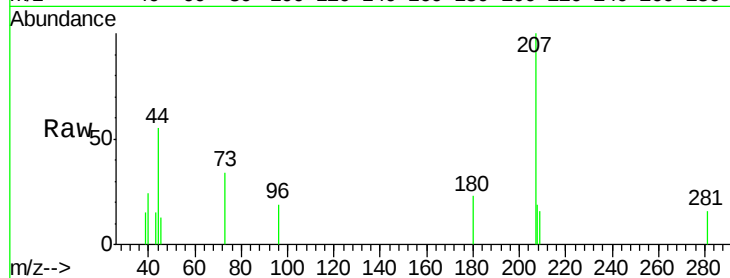




#96
 1,2,3-Trichlorobenzene
 Concen: 1.620 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100120

Tgt Ion:180 Resp: 168
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.9 143.6
 145 0.0 17.2 51.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

