

Data File : VN059949.D
Acq On : 31 Jan 2020 15:42
Operator : JC/MD
Sample : L1333-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

Quant Time: Feb 03 01:21:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	107546	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.57	113	90574	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.08	98	358757	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.40	95	122052	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

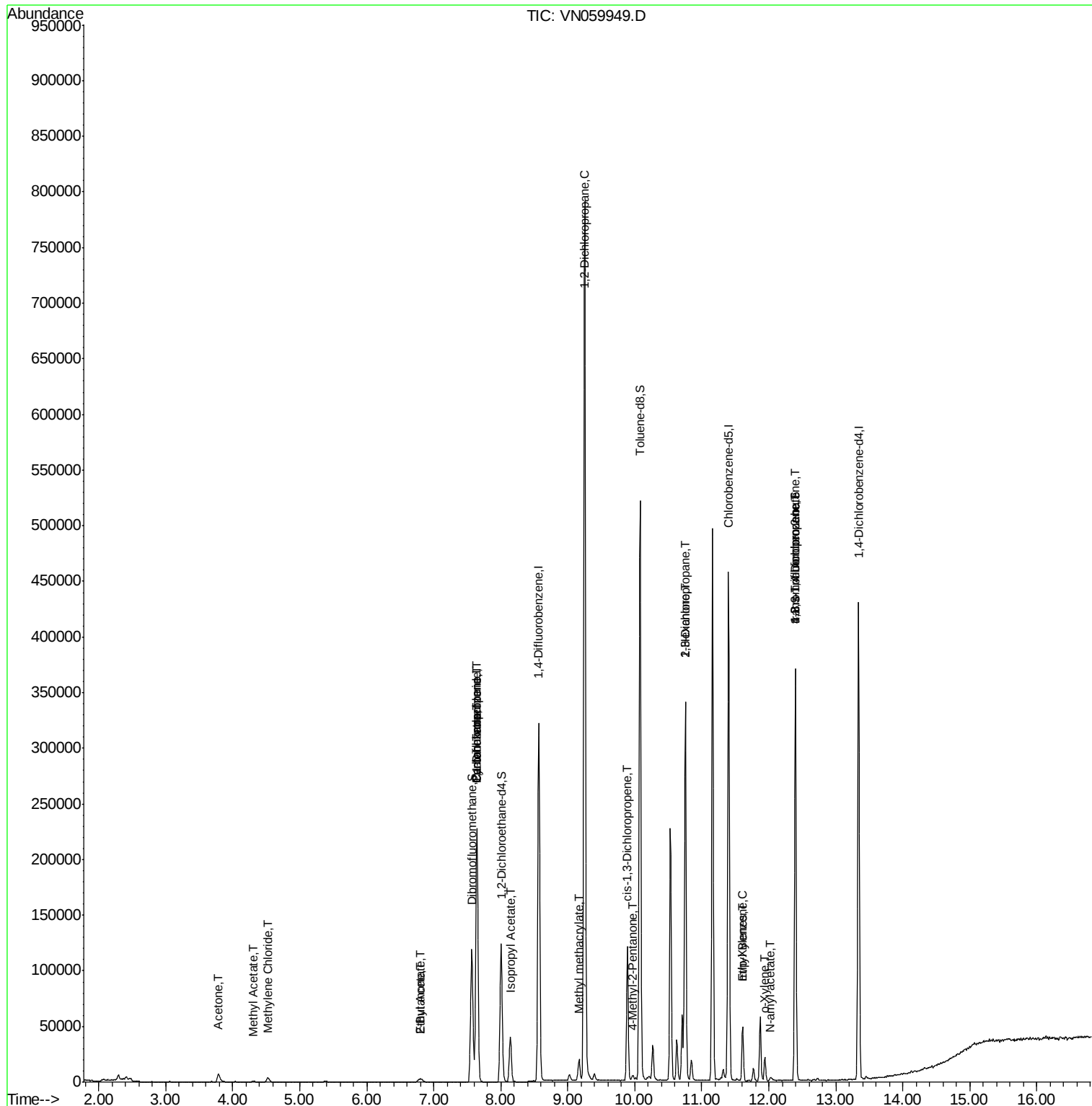
Target Compounds				Qvalue		
16) Acetone	3.79	43	13413	8.477	ug/l	99
18) Methyl Acetate	4.30	43	926	0.366	ug/l #	61
20) Methylene Chloride	4.52	84	3183	0.338	ug/l #	86
25) 2-Butanone	6.81	43	4872	3.970	ug/l	98
31) Cyclohexane	7.64	56	3828	1.194	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	13702	5.244	ug/l #	51
37) Ethyl Acetate	6.81	43	4872	1.988	ug/l #	69
38) Carbon Tetrachloride	7.64	117	17865	6.285	ug/l #	16
43) Isopropyl Acetate	8.14	43	48274	11.452	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	847	0.439	ug/l #	44
48) Methyl methacrylate	9.16	41	2942	1.560	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2871	1.178	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	22695	7.047	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3669	1.185	ug/l #	42
59) 2-Hexanone	10.75	43	48313	26.912	ug/l #	56
67) Ethyl Benzene	11.61	91	28993	3.012	ug/l #	65
68) m/p-Xylenes	11.61	106	14246	3.918	ug/l	96
69) o-Xylene	11.94	106	5424	1.524	ug/l	98
74) N-amyl acetate	12.03	43	2595	0.761	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62305	30.899	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62305	66.356	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.33	75	96	Below Cal	#	6

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

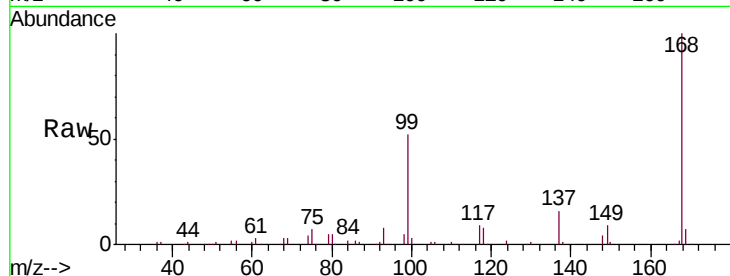
TP-1-2-COMP

Tgt Ion:168 Resp: 195130

Ion Ratio Lower Upper

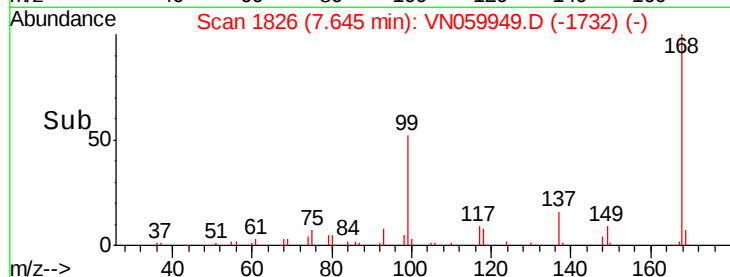
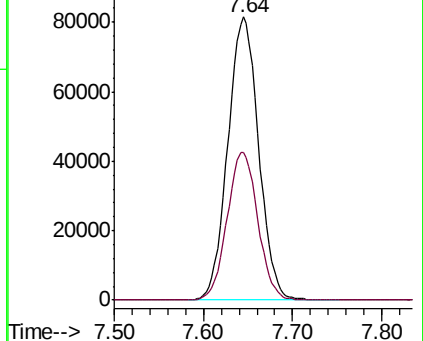
168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 8.477 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059949.D

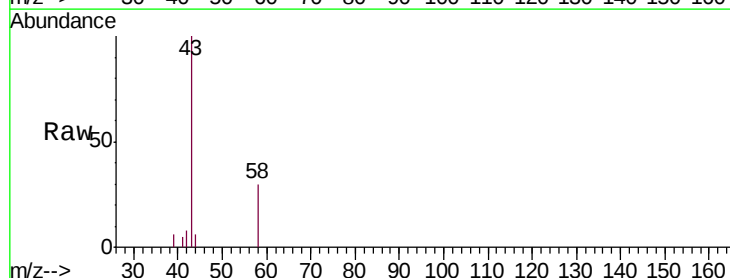
Acq: 31 Jan 2020 15:42

Tgt Ion: 43 Resp: 13413

Ion Ratio Lower Upper

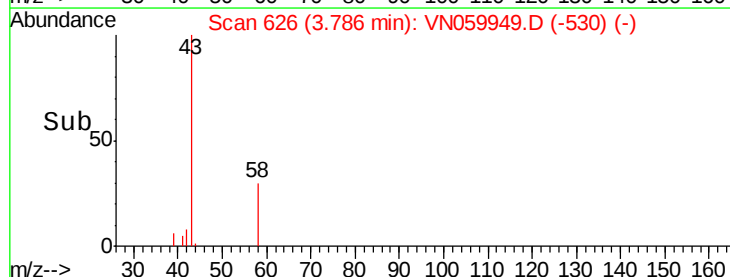
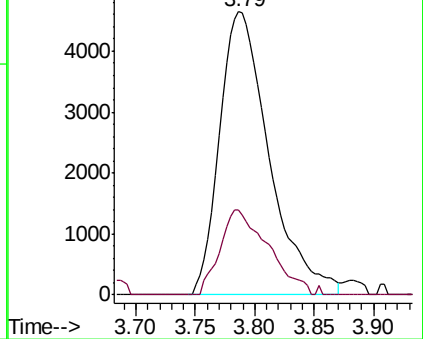
43 100

58 30.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

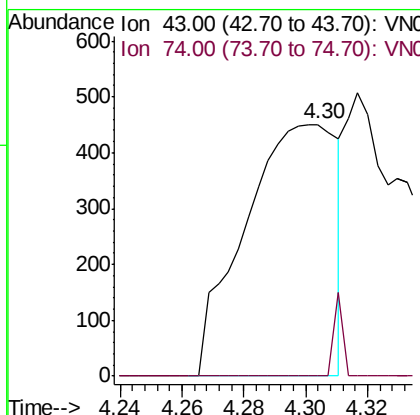
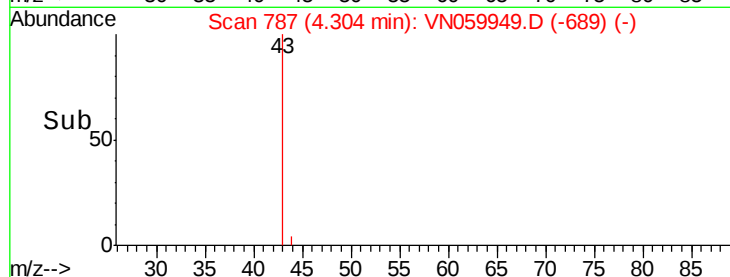
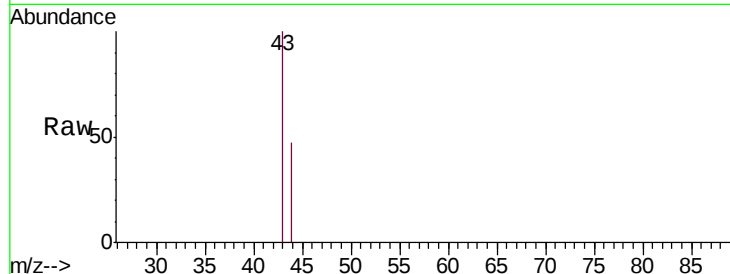




#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

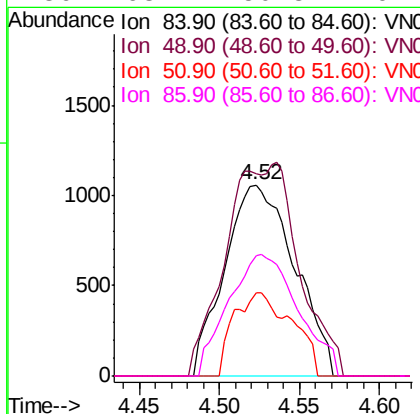
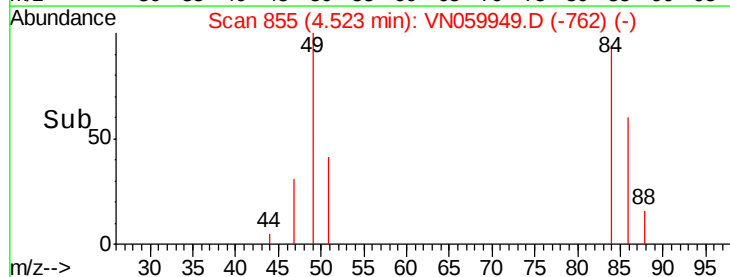
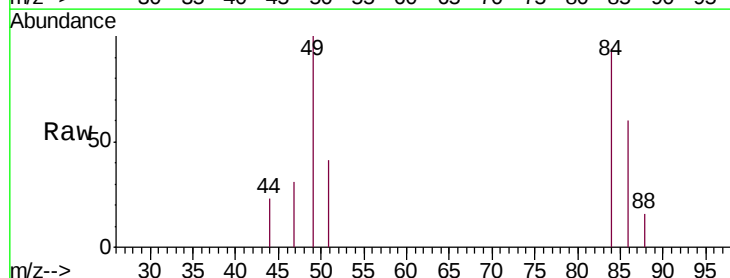
Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

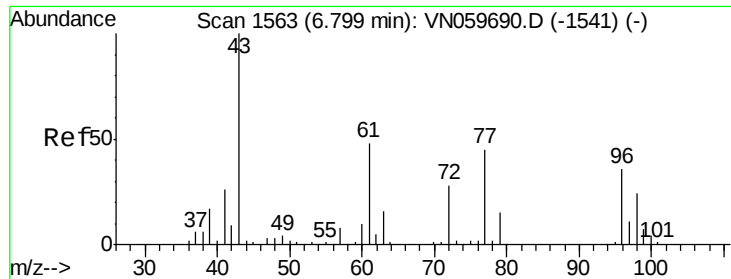
Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
74 3.1 17.5 26.3#



#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

Tgt Ion: 84 Resp: 3183
Ion Ratio Lower Upper
84 100
49 106.0 106.6 160.0#
51 43.8 31.9 47.9
86 63.2 50.8 76.2

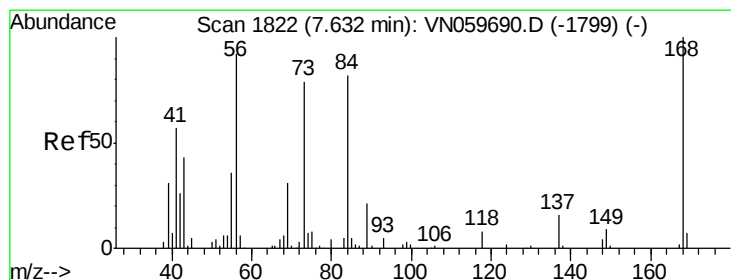
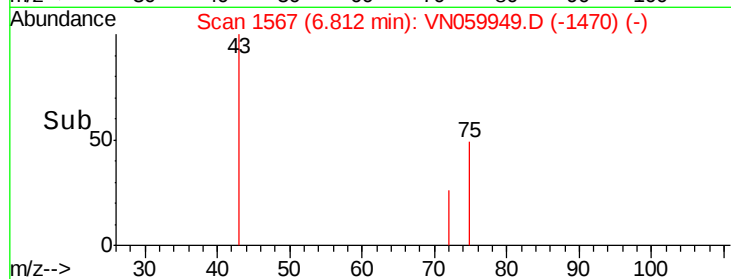
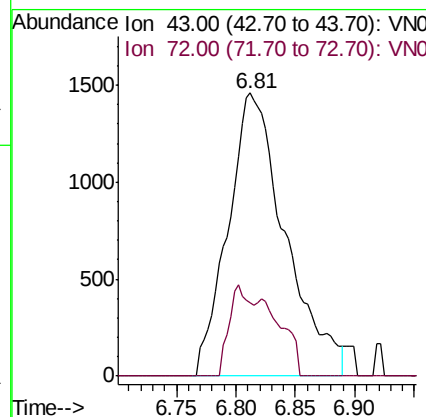
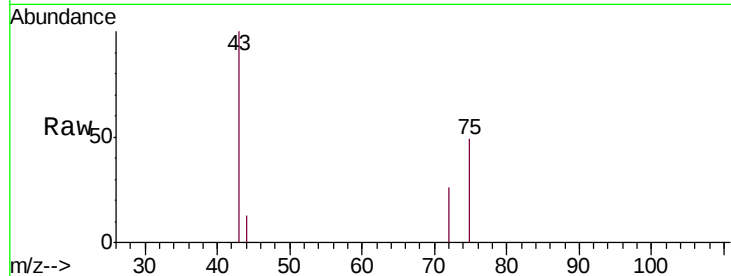




#25
2-Butanone
Concen: 3.970 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

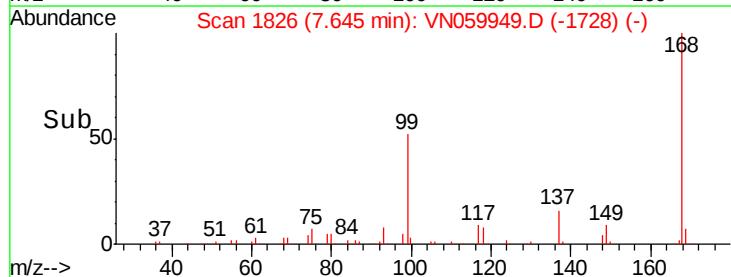
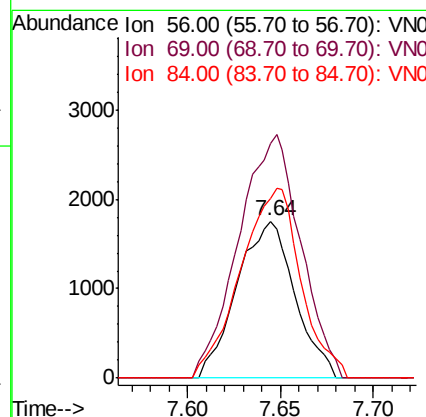
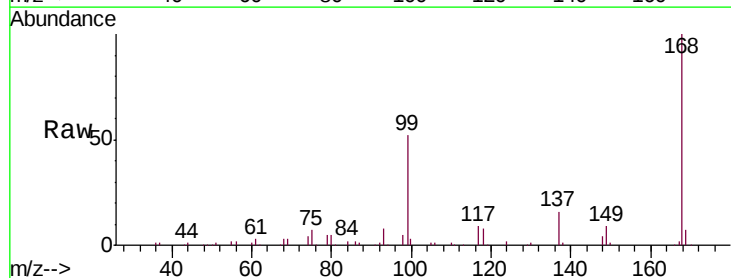
Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

Tgt Ion: 43 Resp: 4872
Ion Ratio Lower Upper
43 100
72 25.8 19.9 29.9



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

Tgt Ion: 56 Resp: 3828
Ion Ratio Lower Upper
56 100
69 150.0 26.5 39.7#
84 114.5 65.3 97.9#

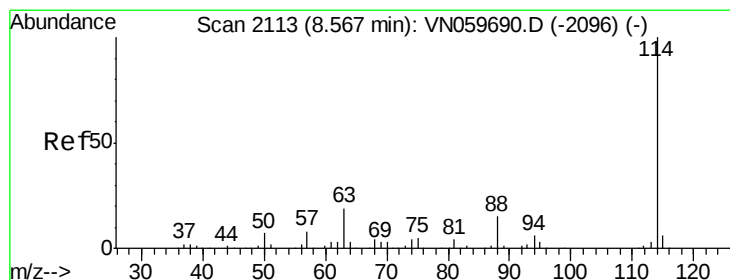
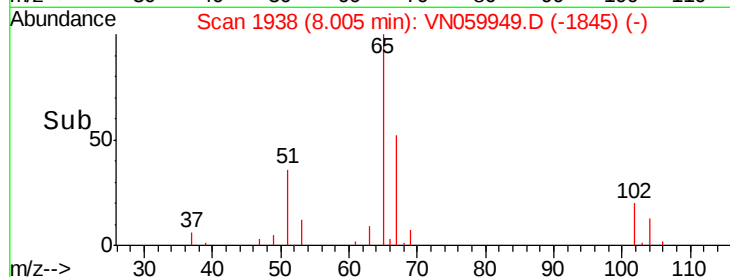
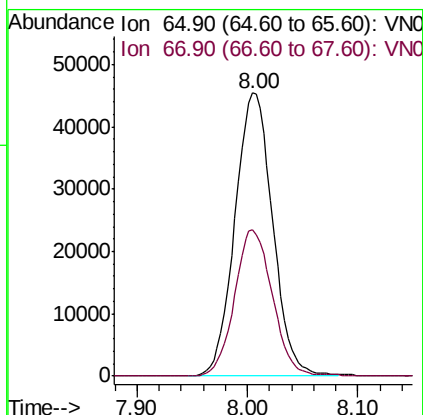
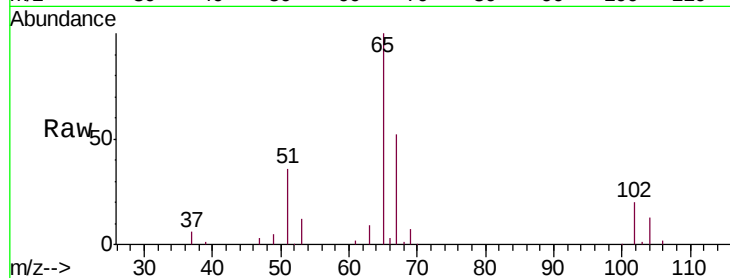




#33
 1,2-Dichloroethane-d4
 Concen: 49.630 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059949.D
 Acq: 31 Jan 2020 15:42

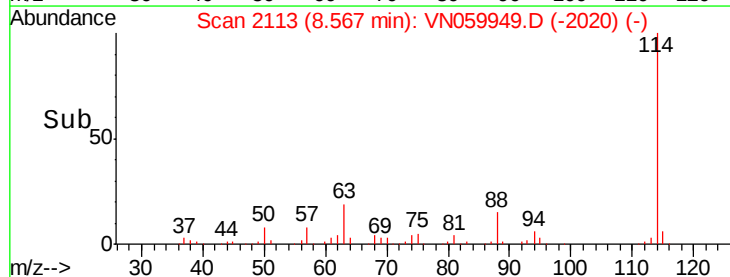
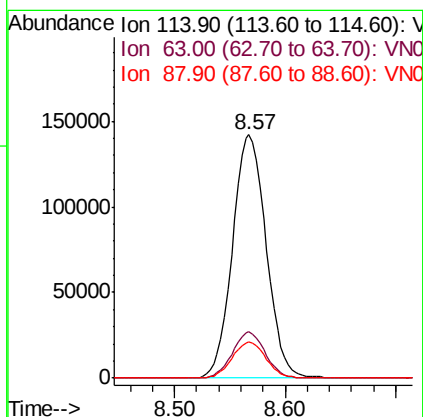
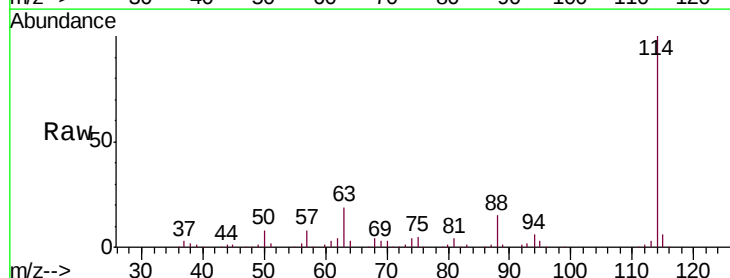
Instrument :
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 ClientSampleId :
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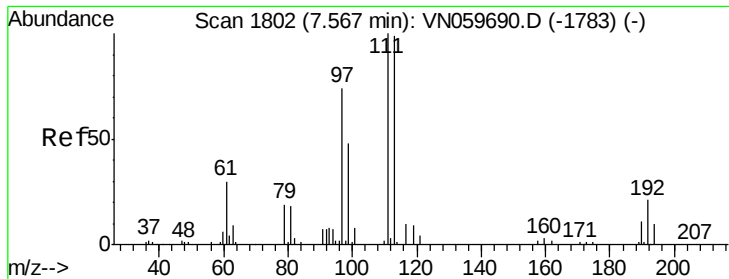
Tgt Ion: 65 Resp: 107546
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059949.D
 Acq: 31 Jan 2020 15:42

Tgt Ion: 114 Resp: 300054
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.618 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

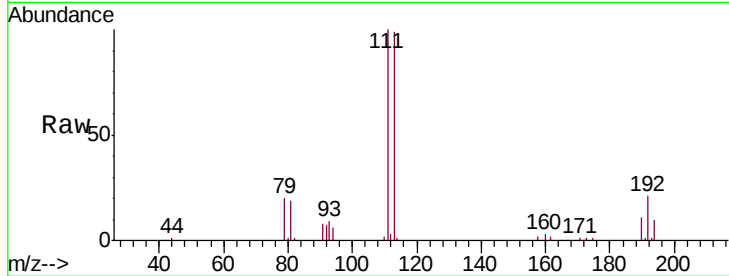
Tgt Ion: 113 Resp: 90574

Ion Ratio Lower Upper

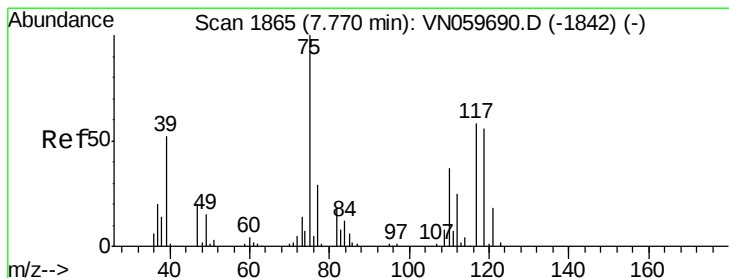
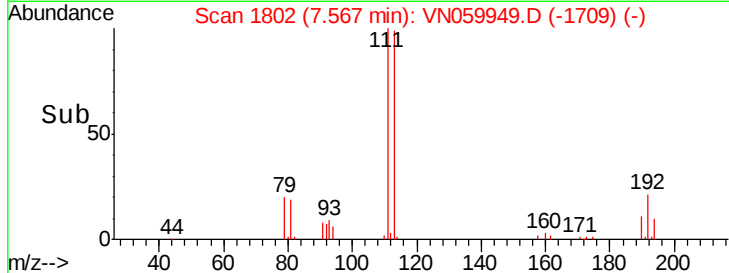
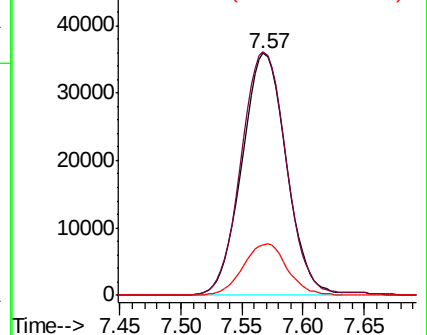
113 100

111 102.4 83.5 125.3

192 21.0 15.4 23.2



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: 5.244 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.12 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

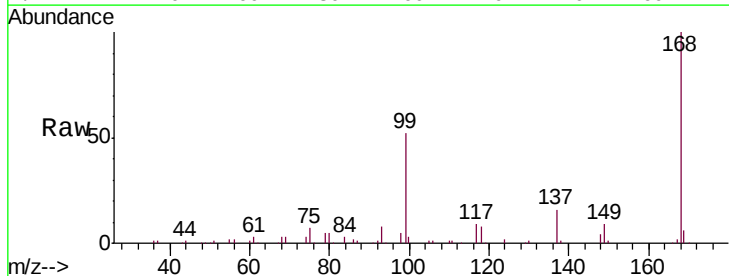
Tgt Ion: 75 Resp: 13702

Ion Ratio Lower Upper

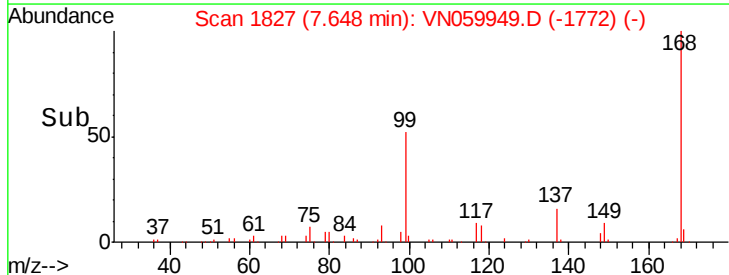
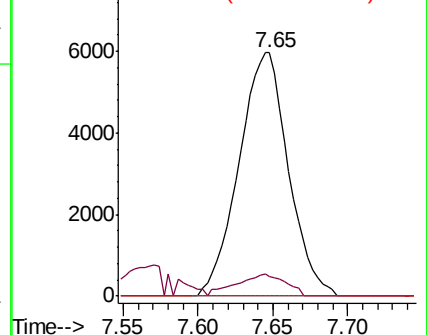
75 100

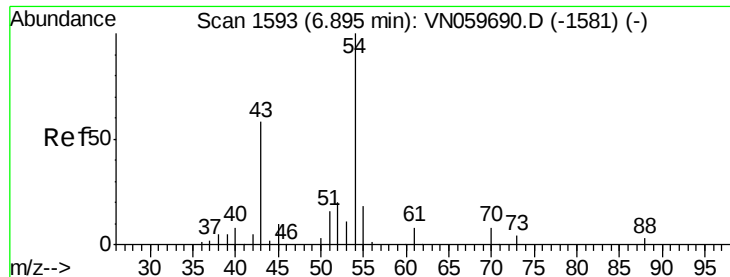
110 9.0 16.6 49.7#

77 0.0 25.1 37.7#



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

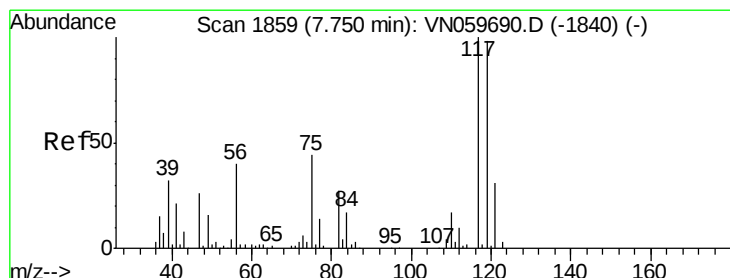
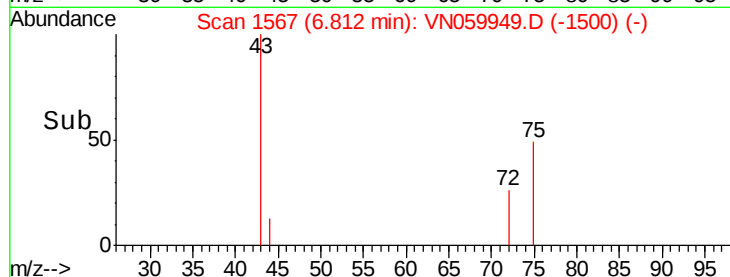
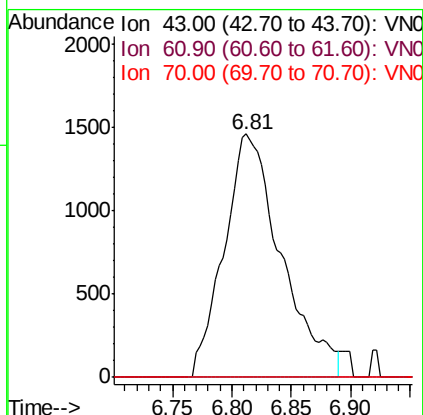
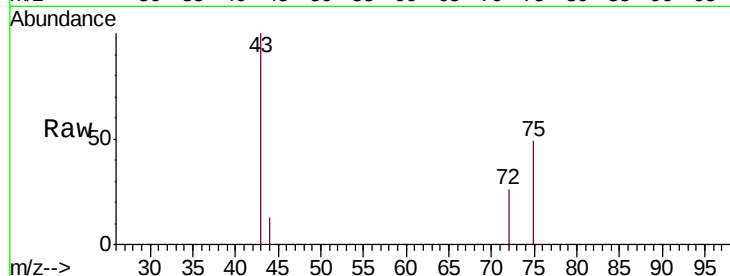




#37
 Ethyl Acetate
 Concen: 1.988 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.08 min
 Lab File: VN059949.D
 Acq: 31 Jan 2020 15:42

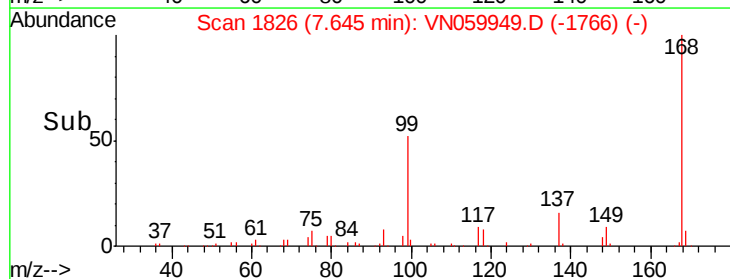
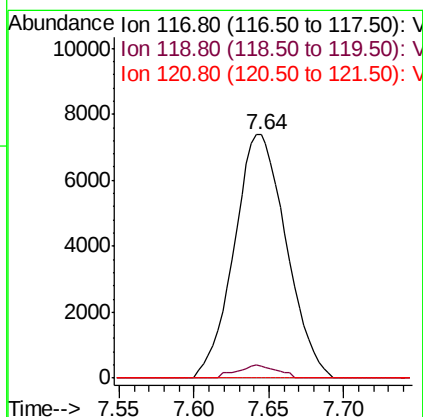
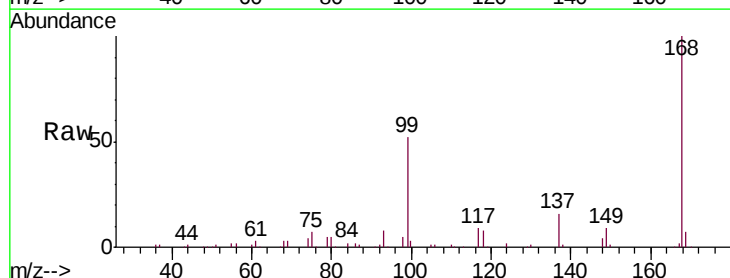
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 TP-1-2-COMP

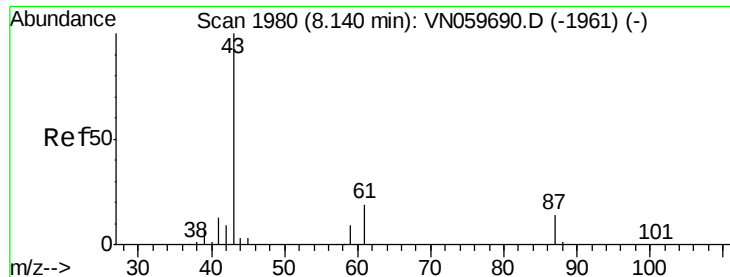
Tgt Ion: 43 Resp: 4872
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#



#38
 Carbon Tetrachloride
 Concen: 6.285 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059949.D
 Acq: 31 Jan 2020 15:42

Tgt Ion: 117 Resp: 17865
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 11.452 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

TP-1-2-COMP

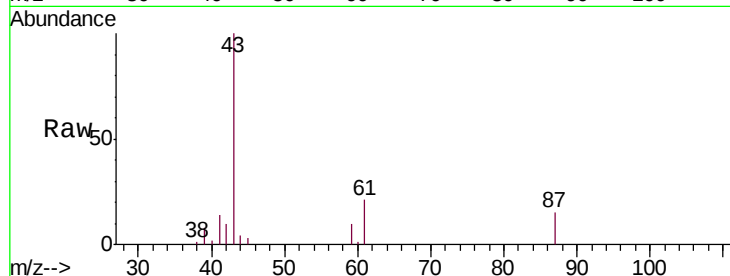
Tgt Ion: 43 Resp: 48274

Ion Ratio Lower Upper

43 100

61 19.8 20.2 30.2#

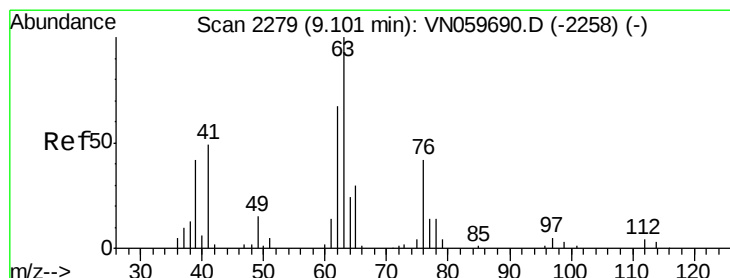
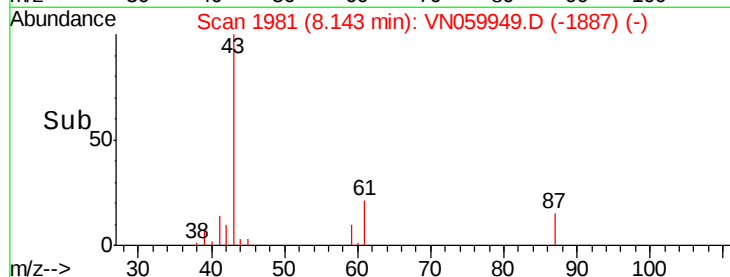
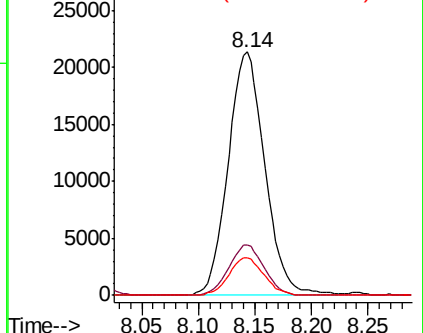
87 14.6 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.439 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059949.D

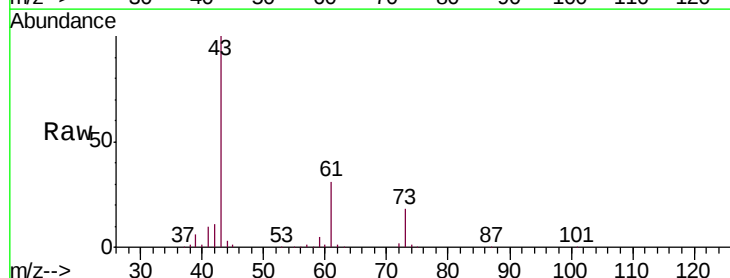
Acq: 31 Jan 2020 15:42

Tgt Ion: 63 Resp: 847

Ion Ratio Lower Upper

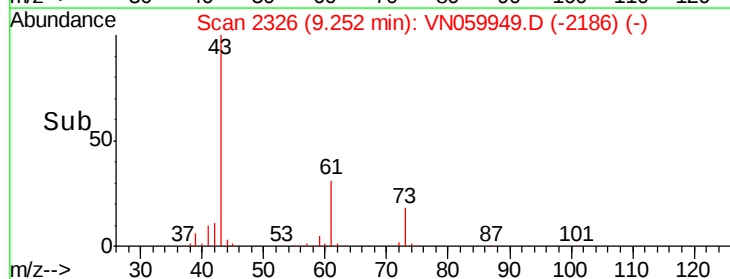
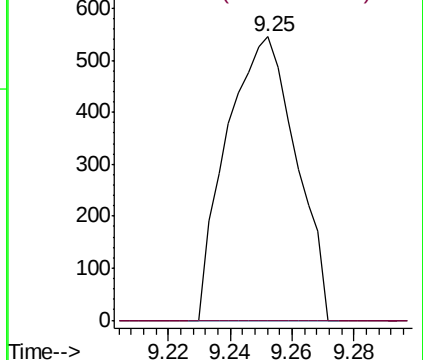
63 100

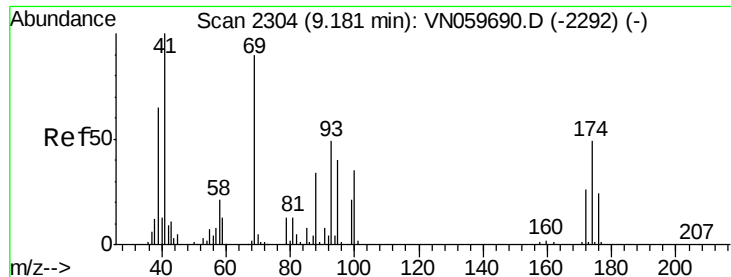
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

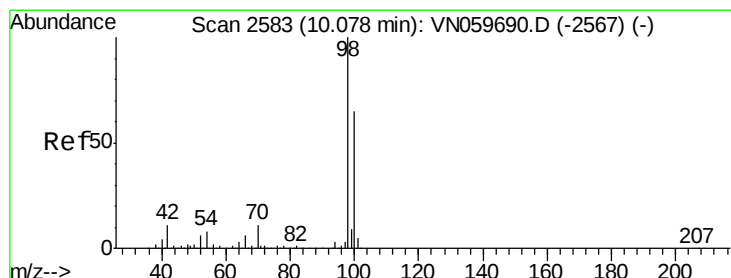
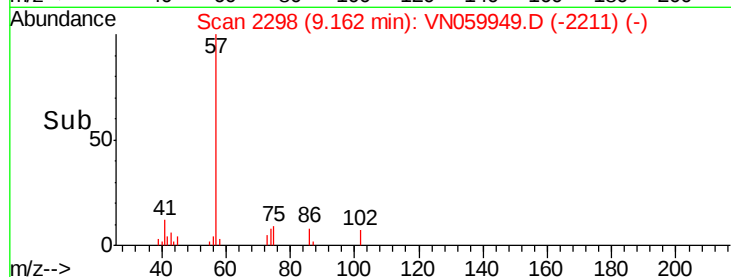
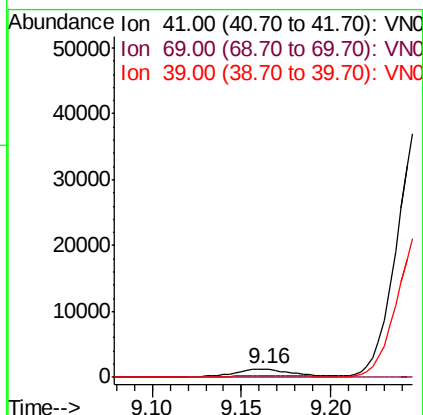
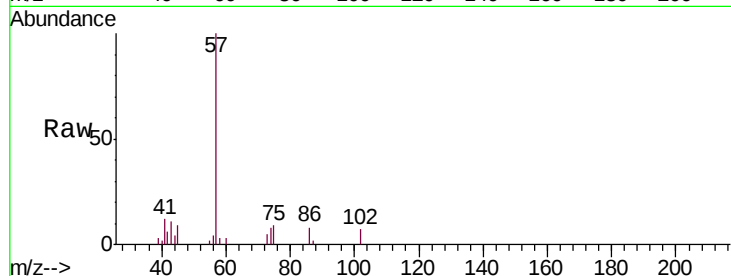




#48
Methyl methacrylate
Concen: 1.560 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

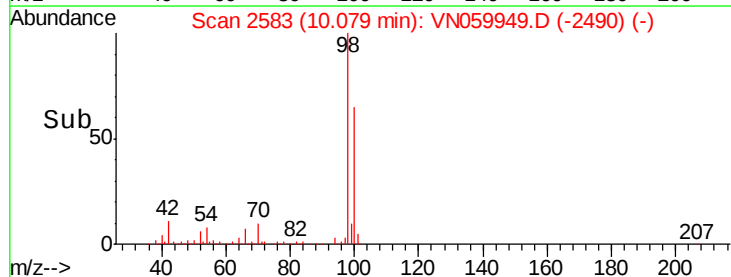
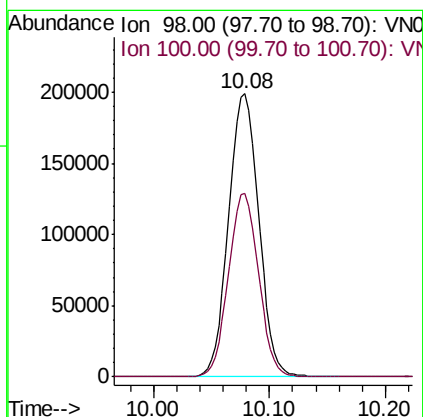
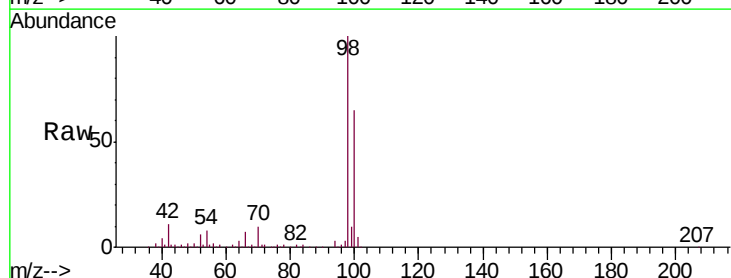
Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

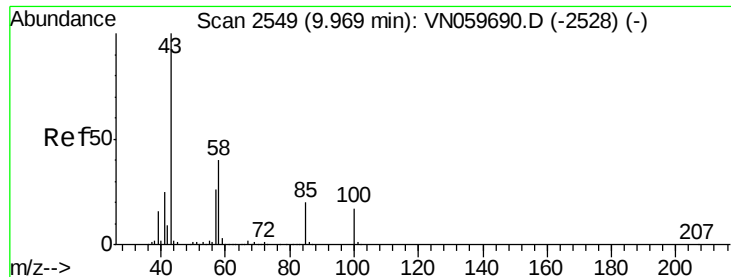
Tgt Ion: 41 Resp: 2942
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.747 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

Tgt Ion: 98 Resp: 358757
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

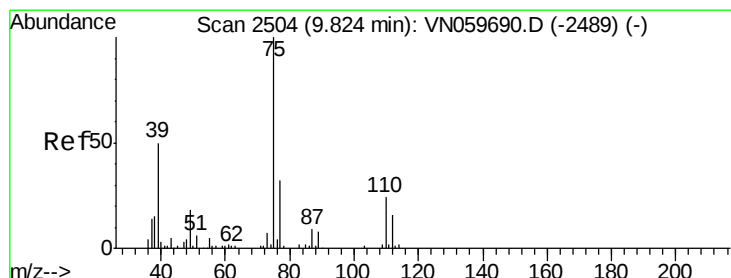
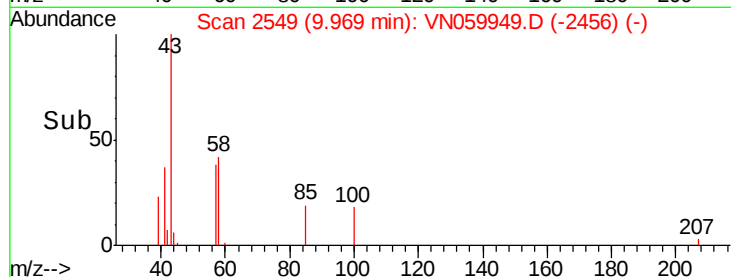
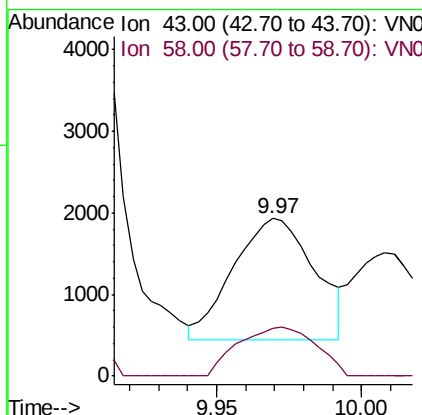
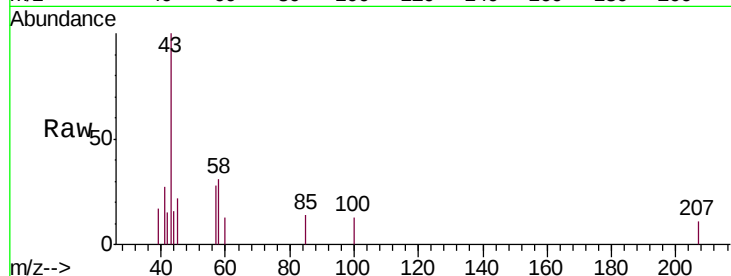




#51
 4-Methyl-2-Pentanone
 Concen: 1.178 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059949.D
 Acq: 31 Jan 2020 15:42

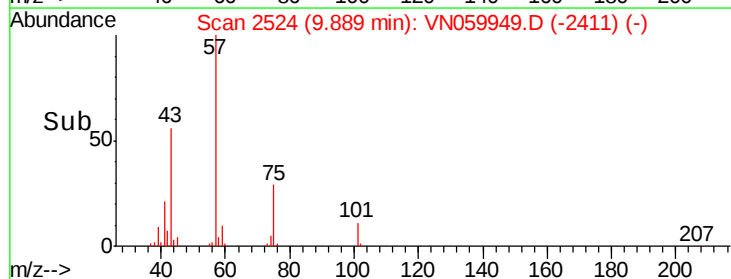
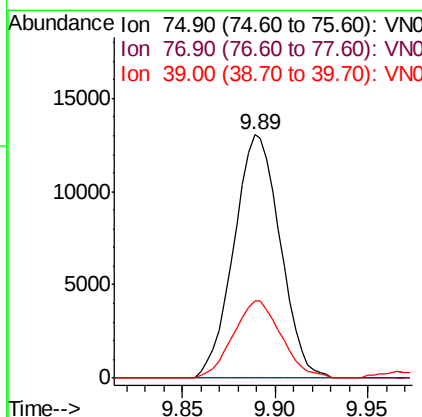
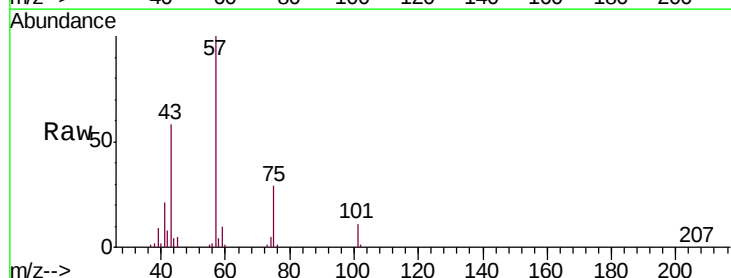
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-2-COMP

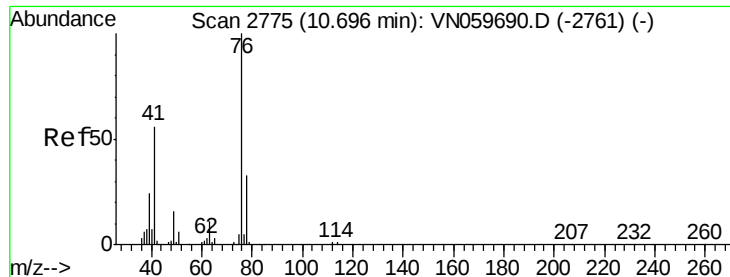
Tgt Ion: 43 Resp: 2871
 Ion Ratio Lower Upper
 43 100
 58 39.2 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 7.047 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059949.D
 Acq: 31 Jan 2020 15:42

Tgt Ion: 75 Resp: 22695
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 31.7 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.185 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

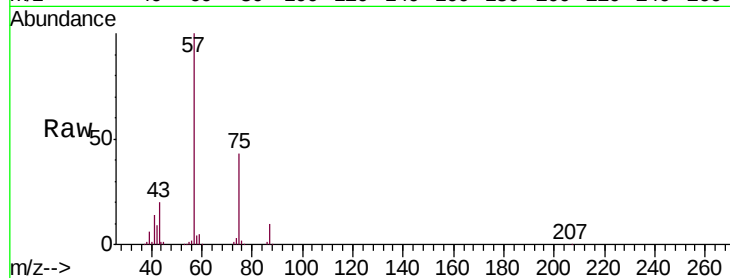
TP-1-2-COMP

Tgt Ion: 76 Resp: 3669

Ion Ratio Lower Upper

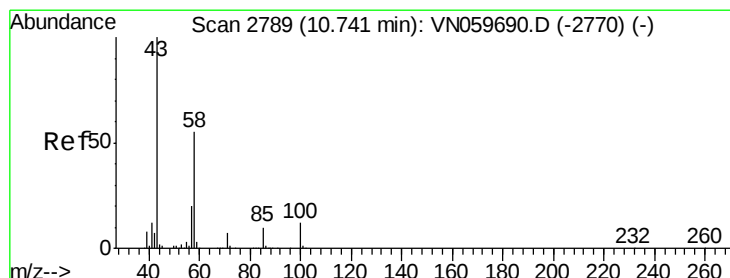
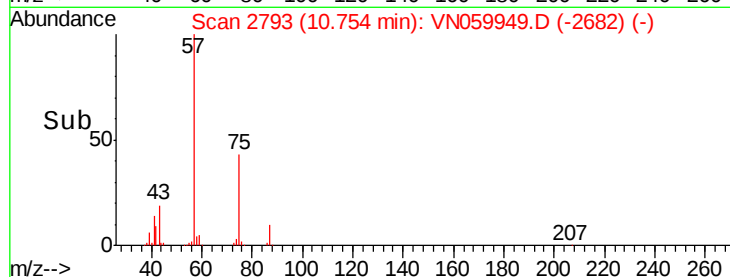
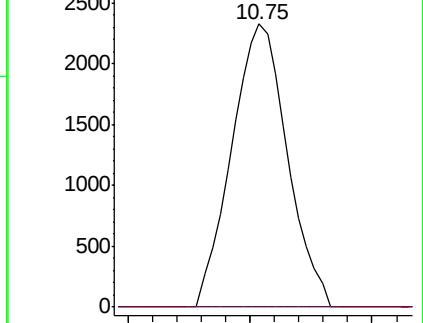
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 26.912 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059949.D

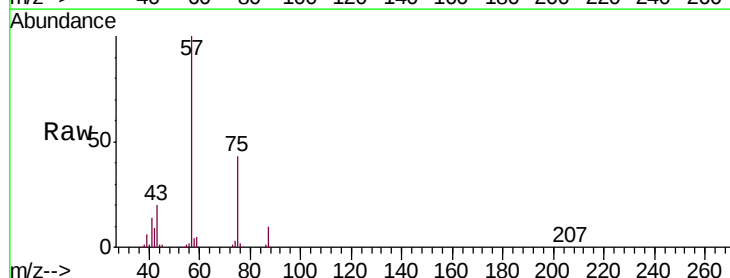
Acq: 31 Jan 2020 15:42

Tgt Ion: 43 Resp: 48313

Ion Ratio Lower Upper

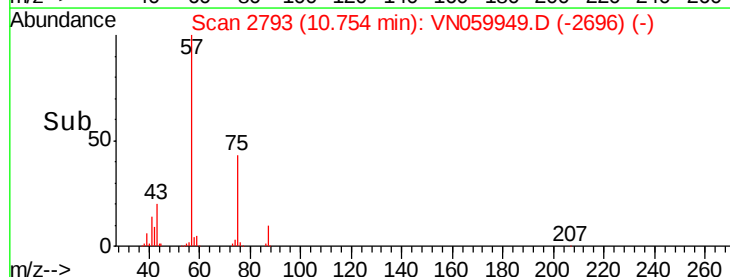
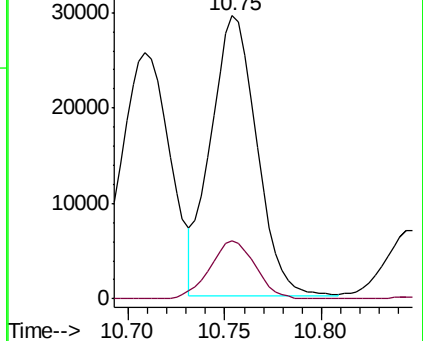
43 100

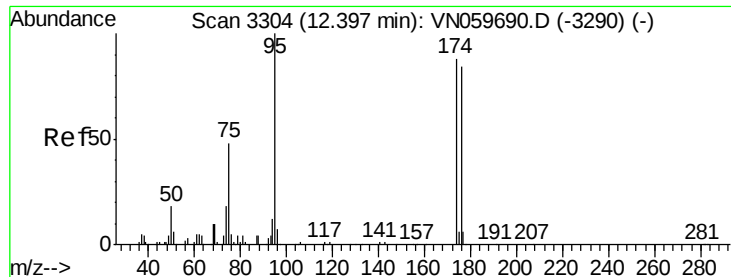
58 20.5 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.835 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

TP-1-2-COMP

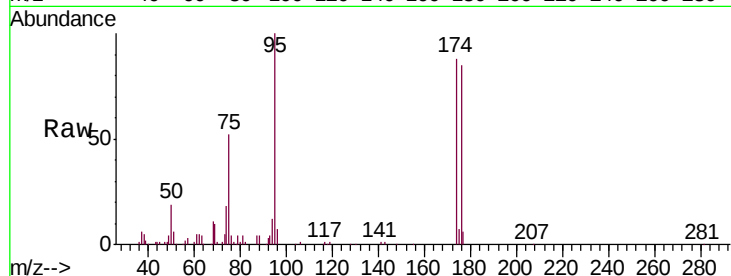
Tgt Ion: 95 Resp: 122052

Ion Ratio Lower Upper

95 100

174 88.1 0.0 151.4

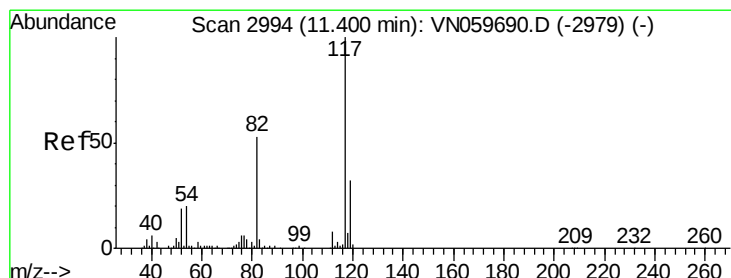
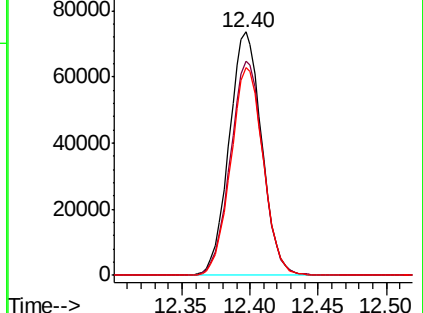
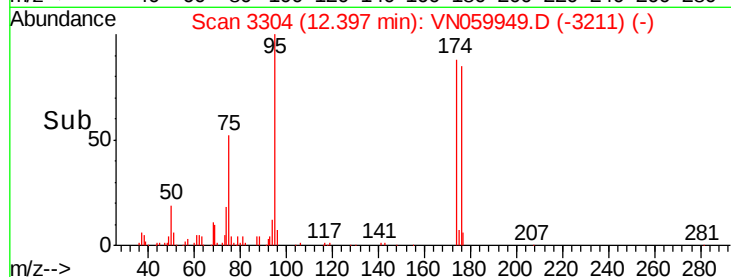
176 85.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059949.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059949.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059949.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

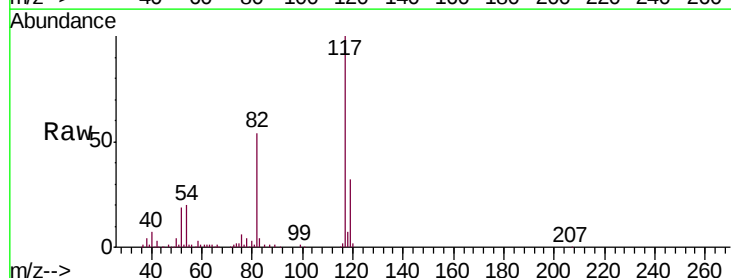
Tgt Ion: 117 Resp: 269743

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

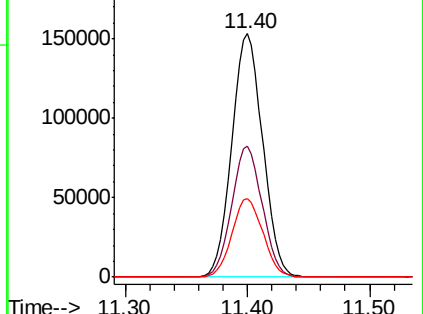
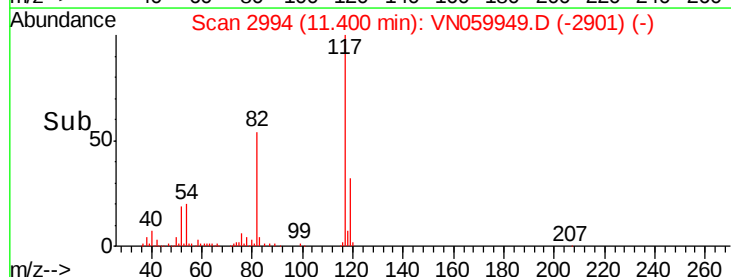
119 32.3 25.5 38.3

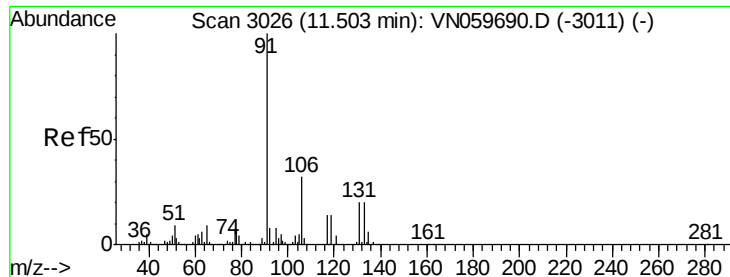


Abundance Ion 116.90 (116.60 to 117.60): VN059949.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059949.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059949.D (-2901) (-)

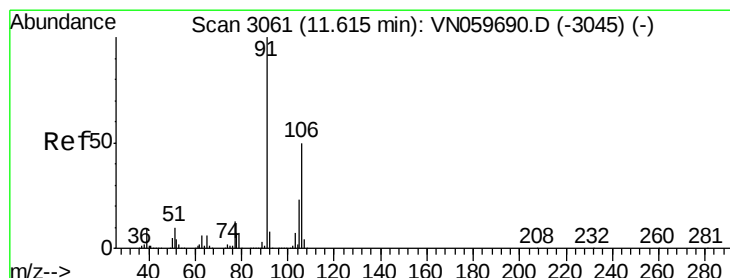
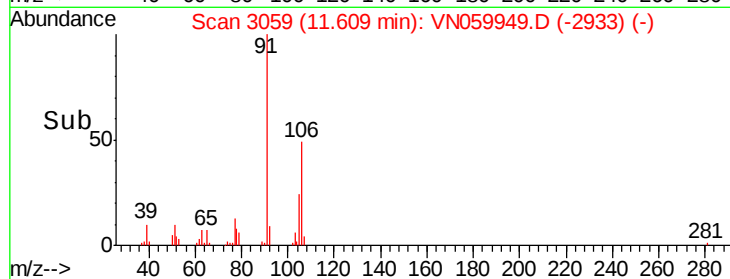
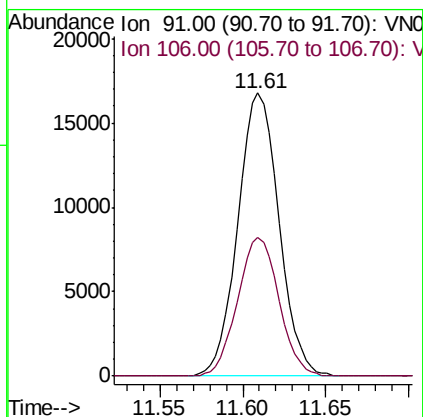
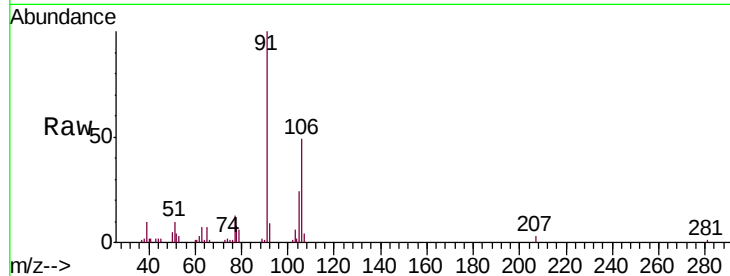




#67
Ethyl Benzene
Concen: 3.012 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. 0.11 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

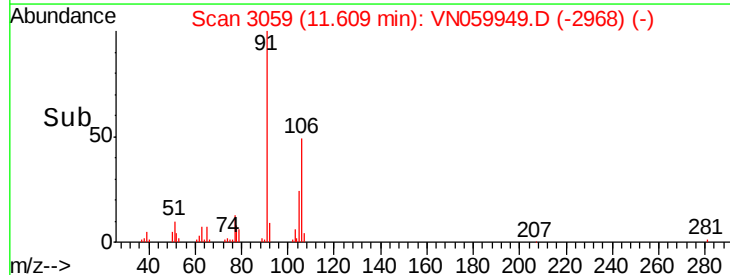
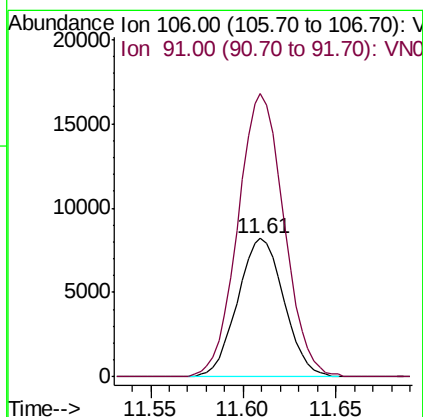
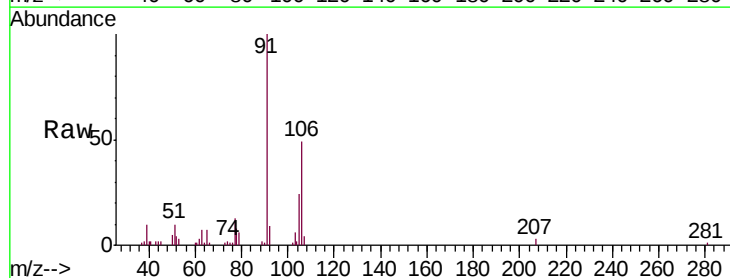
Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

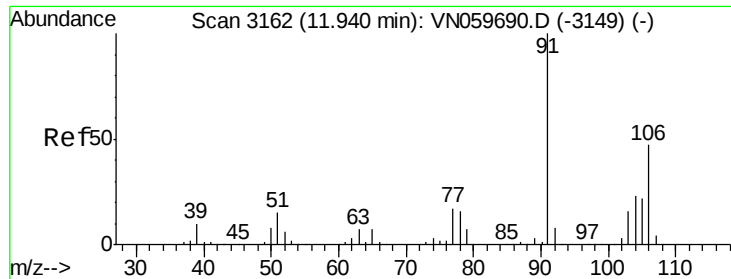
Tgt Ion: 91 Resp: 28993
Ion Ratio Lower Upper
91 100
106 48.9 24.1 36.1#



#68
m/p-Xylenes
Concen: 3.918 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

Tgt Ion: 106 Resp: 14246
Ion Ratio Lower Upper
106 100
91 203.5 167.9 251.9

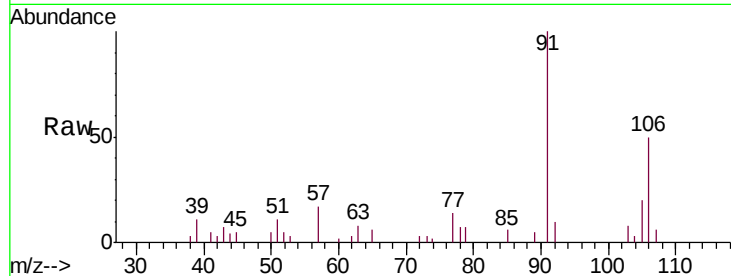




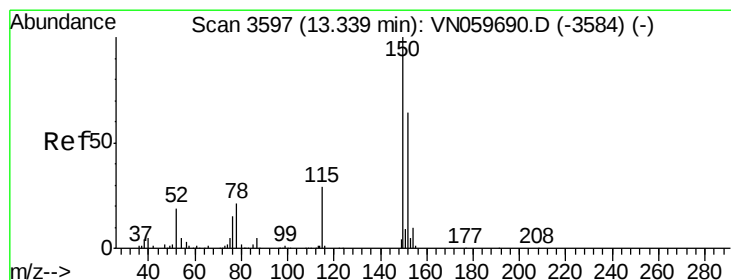
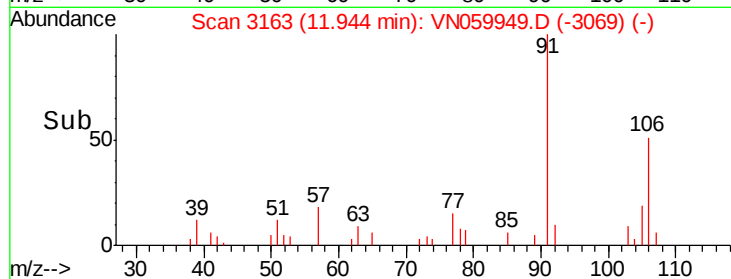
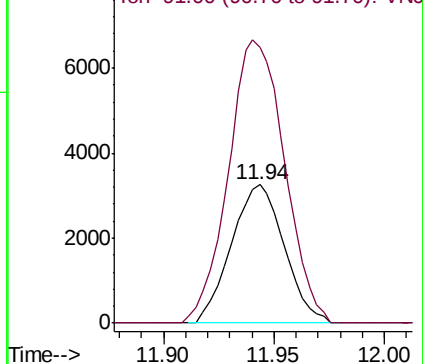
#69
o-Xylene
Concen: 1.524 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
TP-1-2-COMP

Tgt Ion:106 Resp: 5424
Ion Ratio Lower Upper
106 100
91 216.7 110.3 330.9

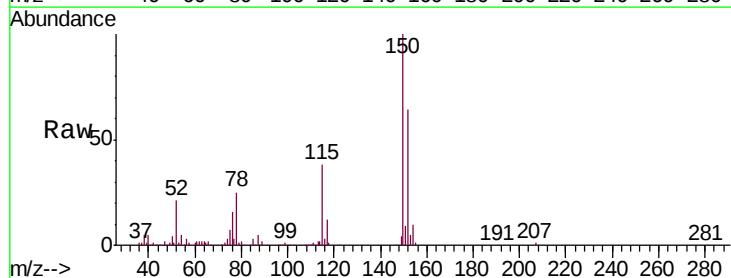


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

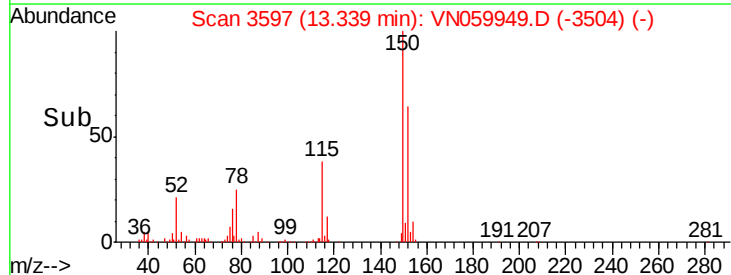
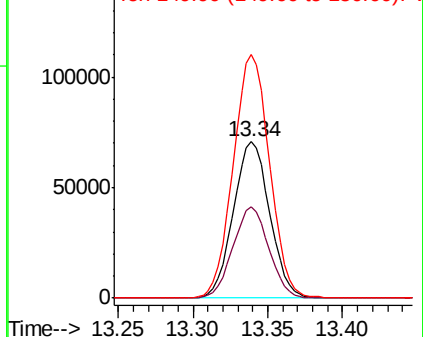


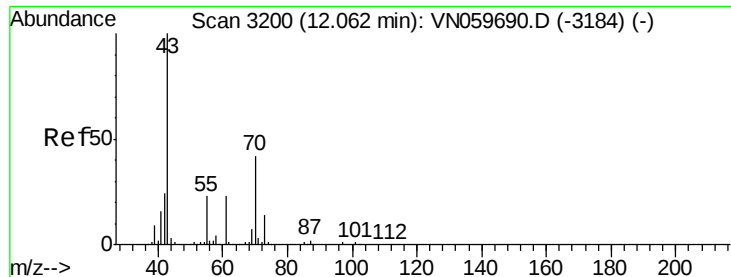
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059949.D
Acq: 31 Jan 2020 15:42

Tgt Ion:152 Resp: 119817
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 156.2 0.0 345.2



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-amyI acetate

Concen: 0.761 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

TP-1-2-COMP

Tgt Ion: 43 Resp: 2595

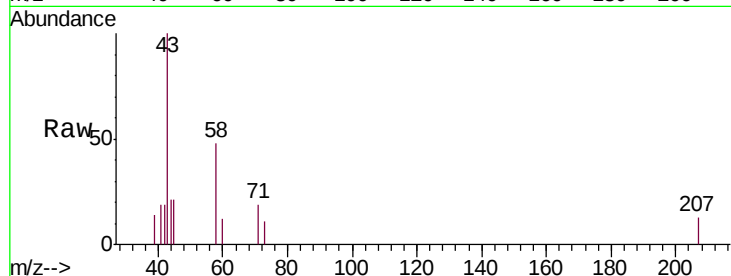
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

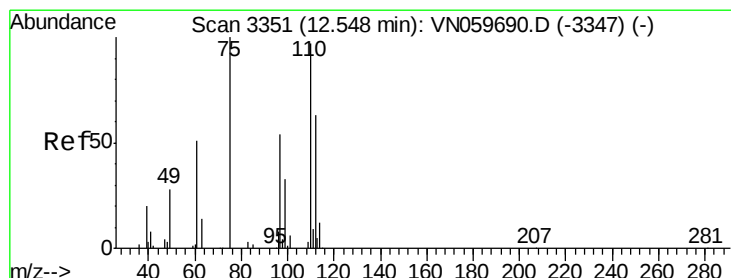
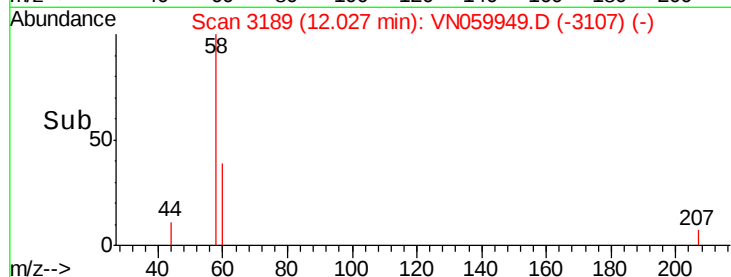
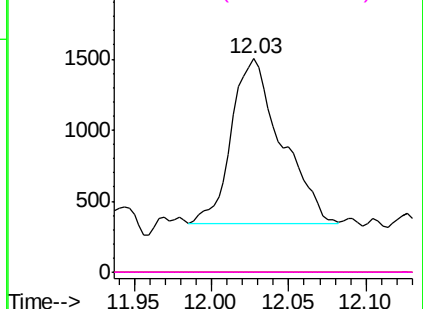


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 30.899 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059949.D

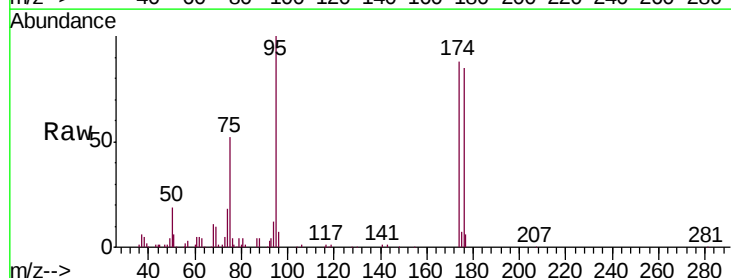
Acq: 31 Jan 2020 15:42

Tgt Ion: 75 Resp: 62305

Ion Ratio Lower Upper

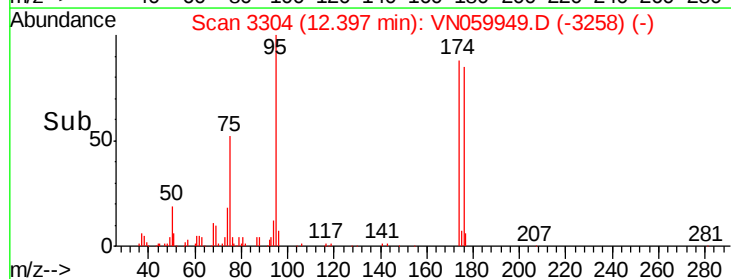
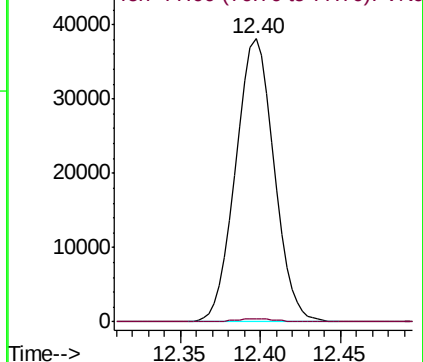
75 100

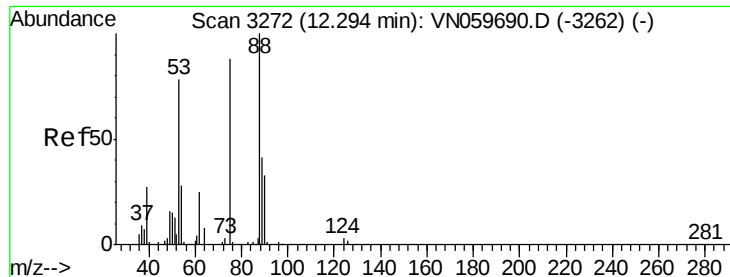
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 66.356 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

TP-1-2-COMP

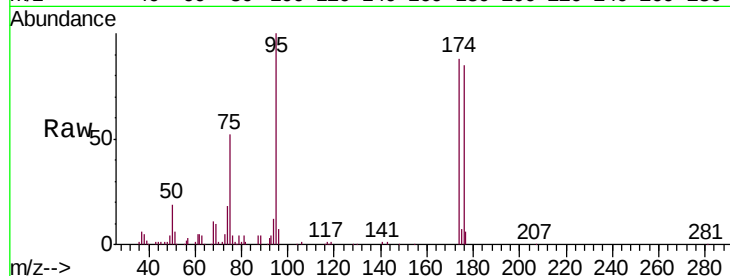
Tgt Ion: 75 Resp: 62305

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

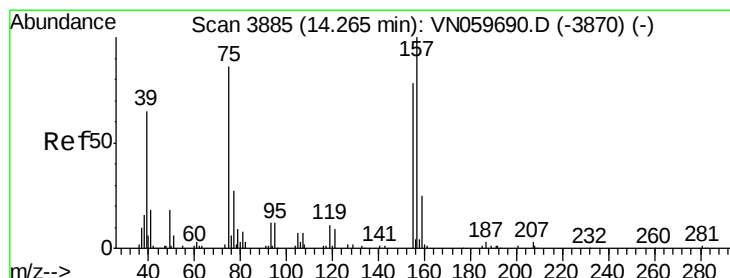
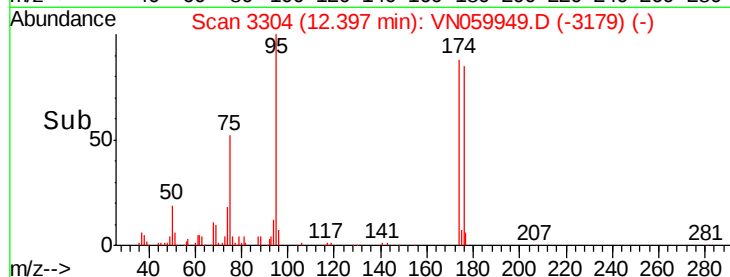
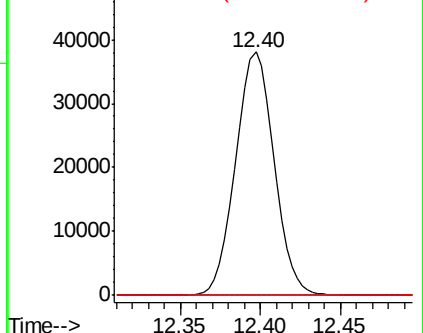
89 0.0 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.33 min Scan# 3904

Delta R.T. 0.06 min

Lab File: VN059949.D

Acq: 31 Jan 2020 15:42

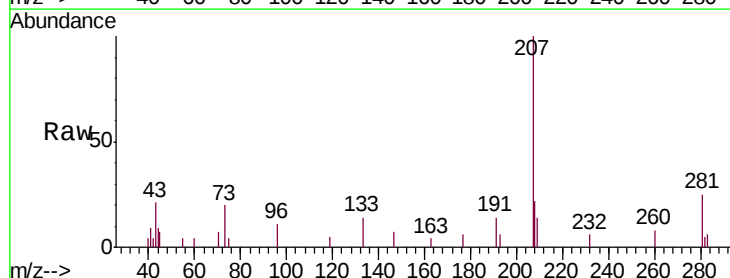
Tgt Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

