

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011620\
 Data File : VN059743.D
 Acq On : 16 Jan 2020 19:35
 Operator : JC/MD
 Sample : L1159-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 400115763

Quant Time: Jan 17 04:39:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	287207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	101345	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	7.57	113	89189	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	10.08	98	329131	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	109265	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

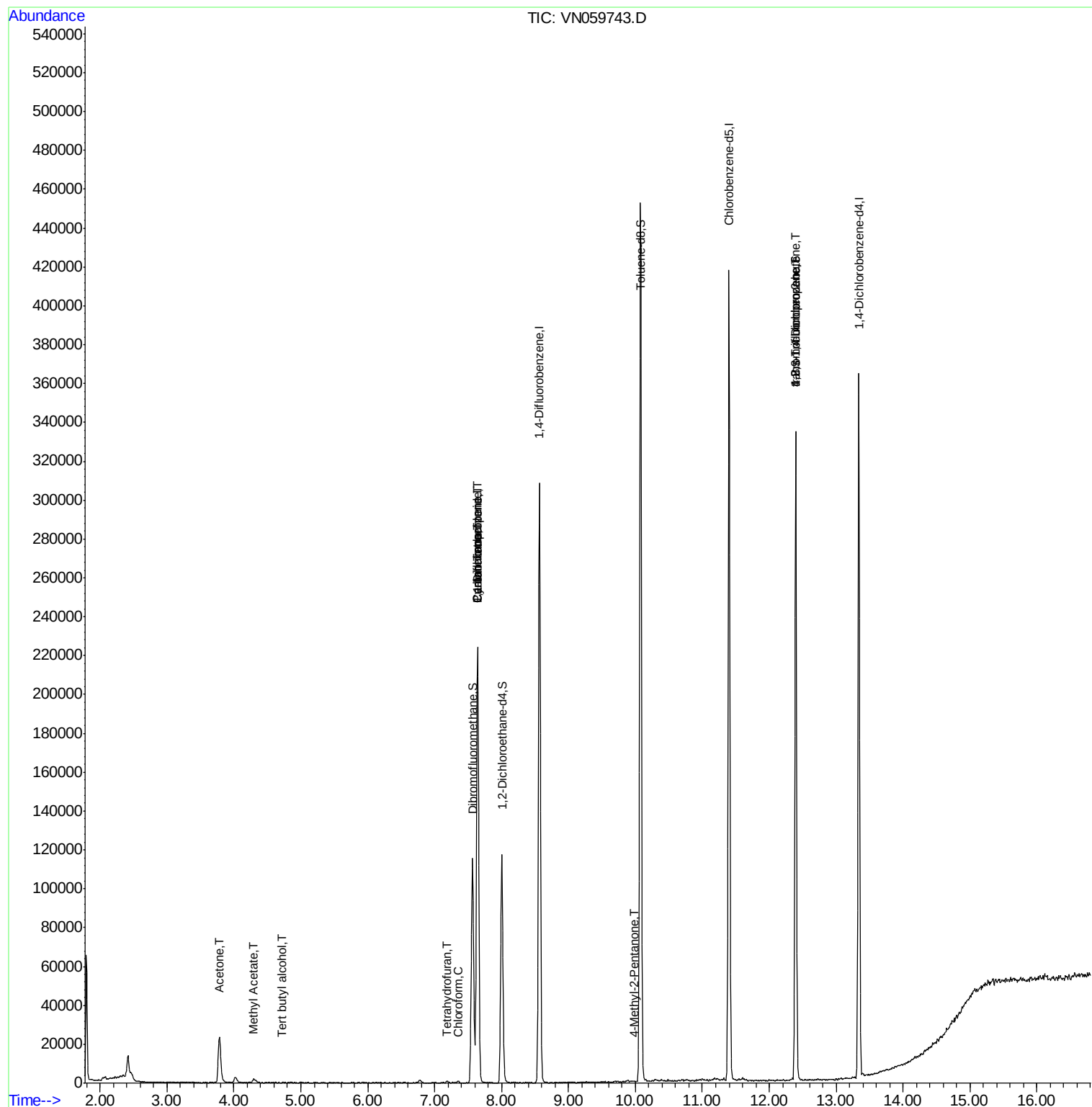
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	187	0.514	ug/l #	72
16) Acetone	3.79	43	41034	47.535	ug/l	98
18) Methyl Acetate	4.29	43	4466	1.768	ug/l #	88
29) Tetrahydrofuran	7.18	42	654	0.863	ug/l #	66
30) Chloroform	7.34	83	892	0.259	ug/l	95
31) Cyclohexane	7.64	56	3787	1.184	ug/l #	24
36) 1,1-Dichloropropene	7.64	75	13352	5.338	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17660	6.491	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	564	0.242	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	55044	32.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	55044	69.004	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30	Below Cal	#	6

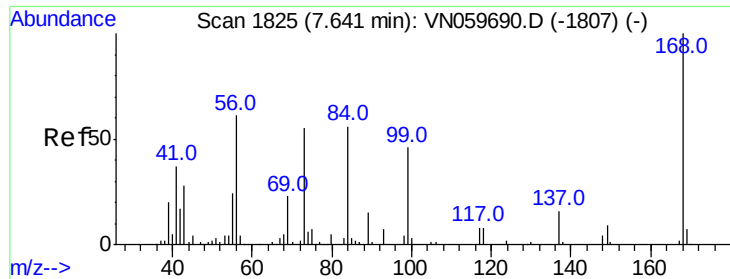
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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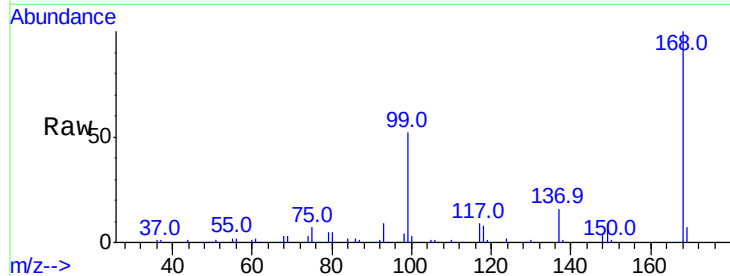




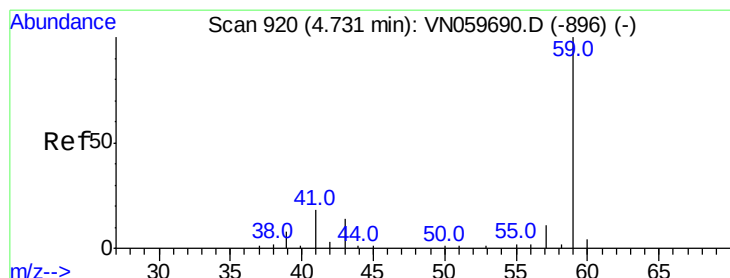
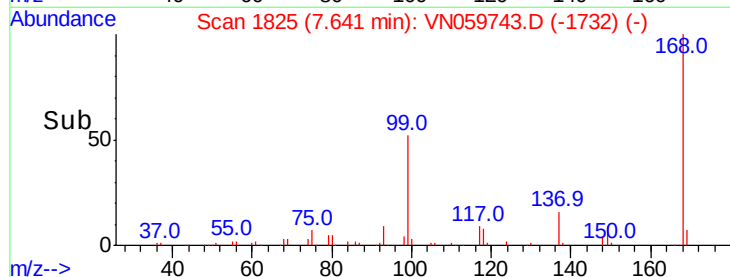
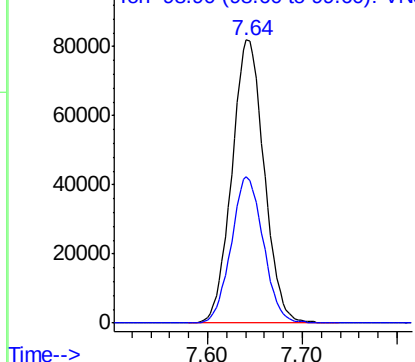
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
400115763

Tgt Ion: 168 Resp: 194698
Ion Ratio Lower Upper
168 100
99 51.7 48.2 72.4

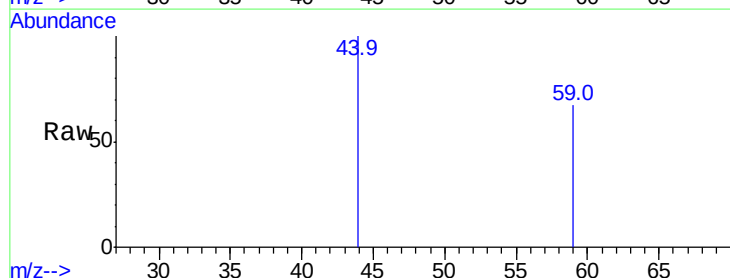


Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)
Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)

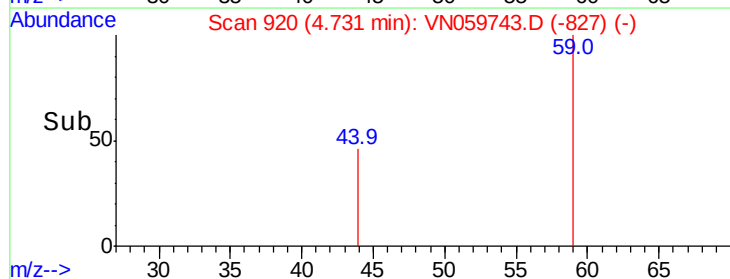
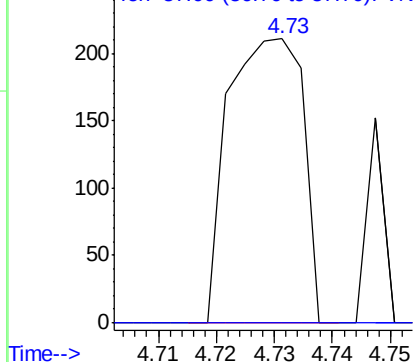


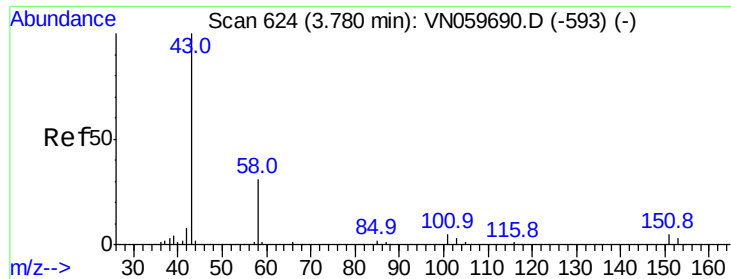
#11
Tert butyl alcohol
Concen: 0.514 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059690.D (-896) (-)
Ion 57.00 (56.70 to 57.70): VN059690.D (-896) (-)





#16

Acetone

Concen: 47.535 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059743.D

Acq: 16 Jan 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

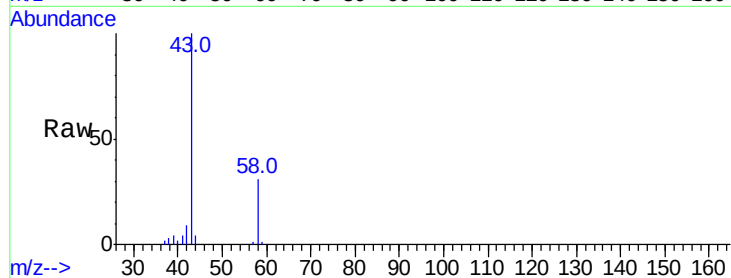
400115763

Tgt Ion: 43 Resp: 41034

Ion Ratio Lower Upper

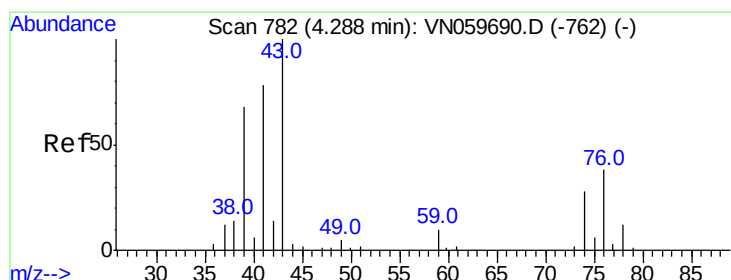
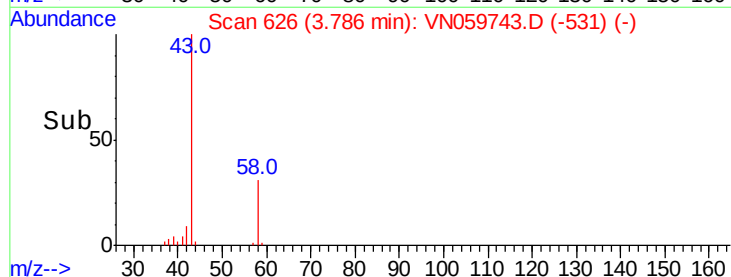
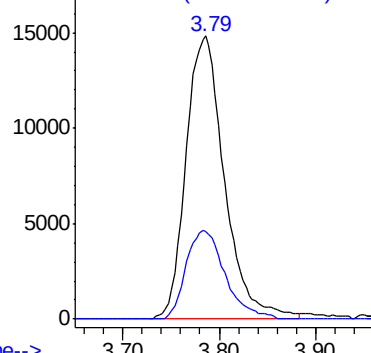
43 100

58 30.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.768 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059743.D

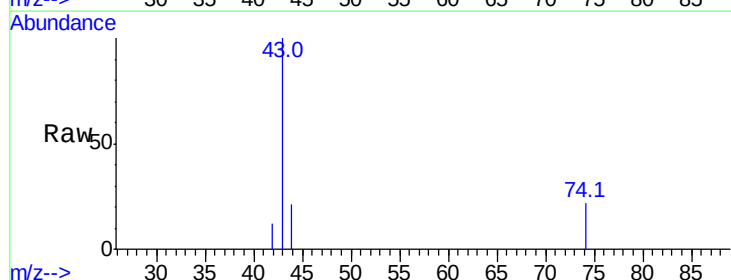
Acq: 16 Jan 2020 19:35

Tgt Ion: 43 Resp: 4466

Ion Ratio Lower Upper

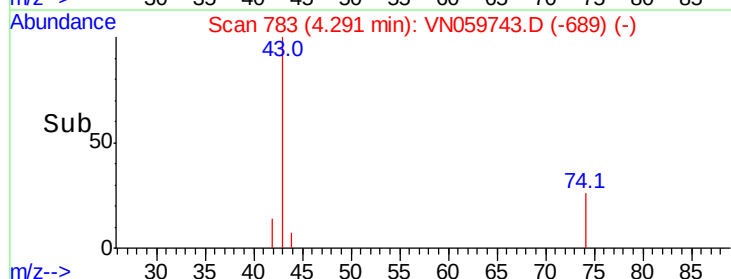
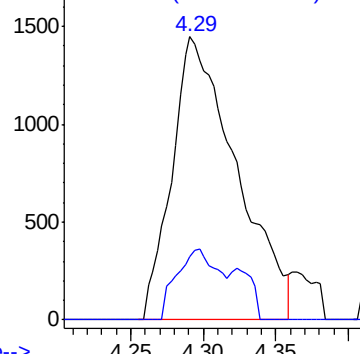
43 100

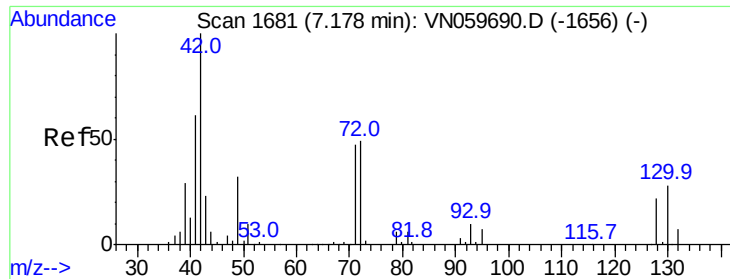
74 16.2 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#29

Tetrahydrofuran

Concen: 0.863 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN059743.D

Acq: 16 Jan 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

400115763

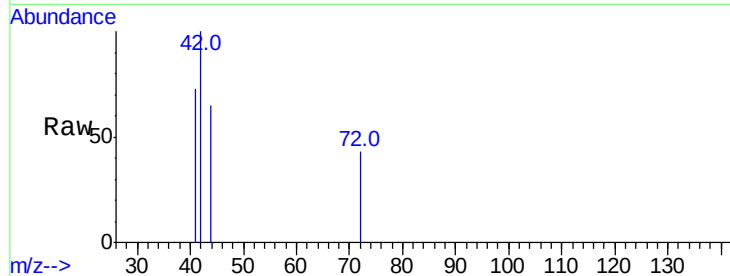
Tgt Ion: 42 Resp: 654

Ion Ratio Lower Upper

42 100

72 37.9 33.1 49.7

71 0.0 31.4 47.0#

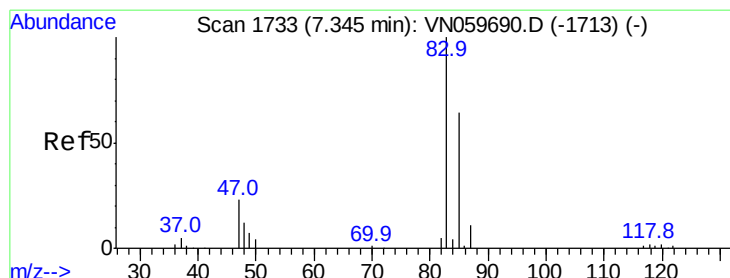
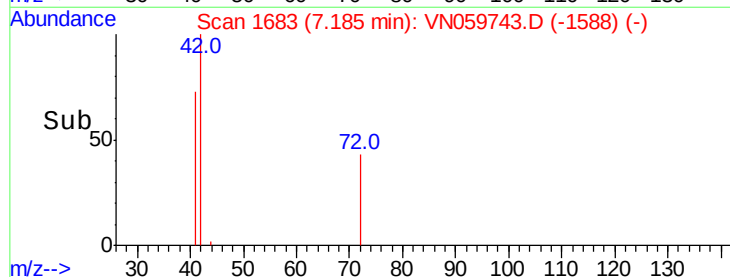
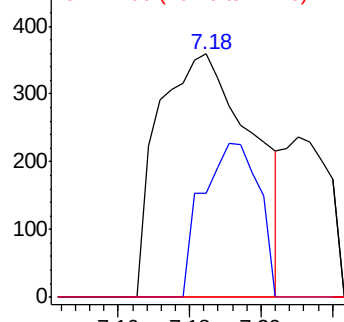


Abundance

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



#30

Chloroform

Concen: 0.259 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN059743.D

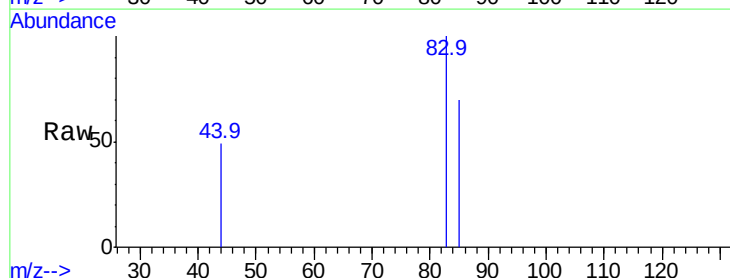
Acq: 16 Jan 2020 19:35

Tgt Ion: 83 Resp: 892

Ion Ratio Lower Upper

83 100

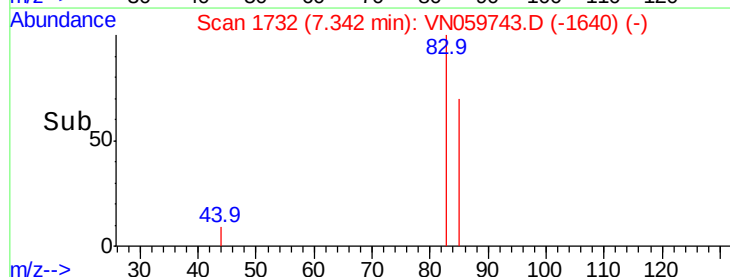
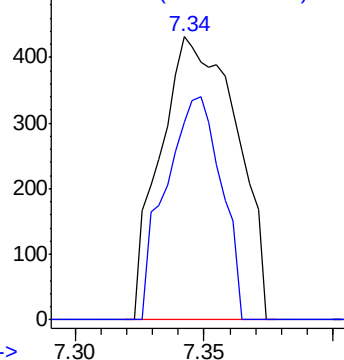
85 69.7 52.4 78.6

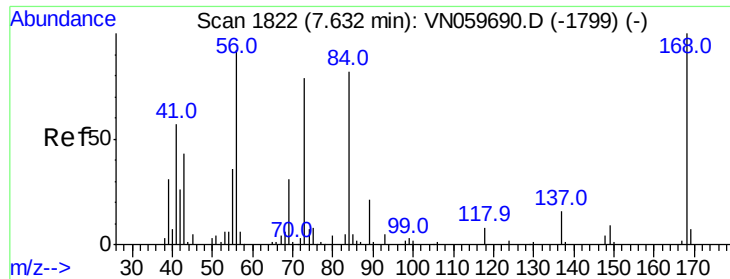


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

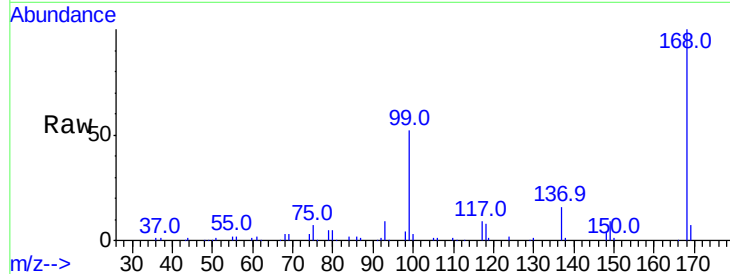




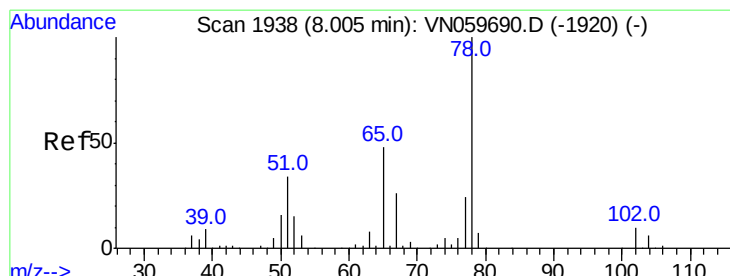
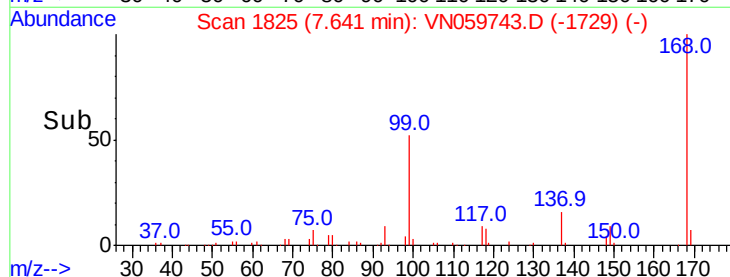
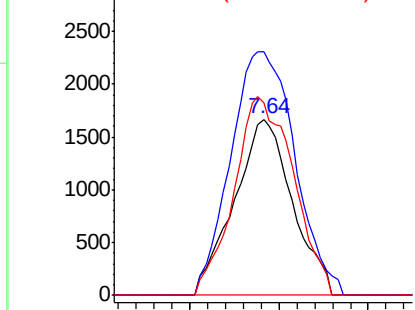
#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Instrument :
MSVOA_N
ClientSampled :
400115763

Tgt Ion: 56 Resp: 3787
Ion Ratio Lower Upper
56 100
69 138.2 26.5 39.7#
84 109.2 65.3 97.9#

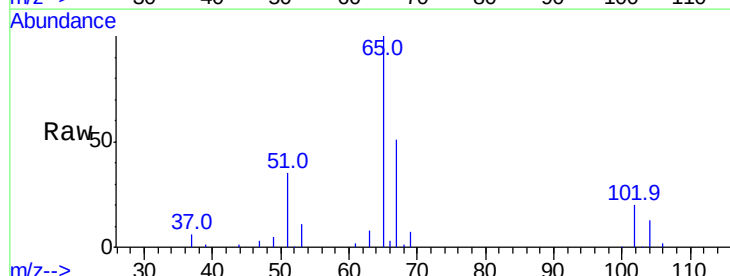


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

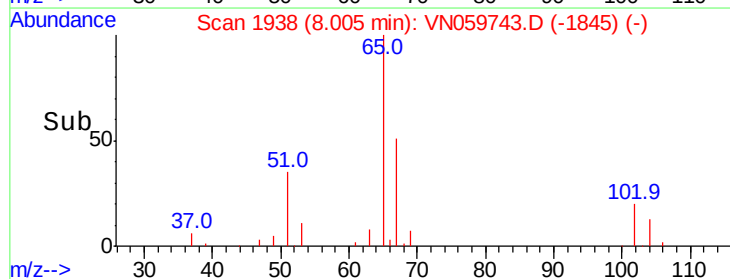
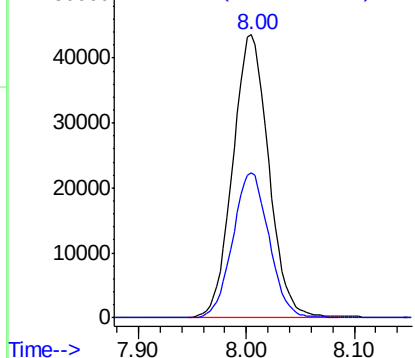


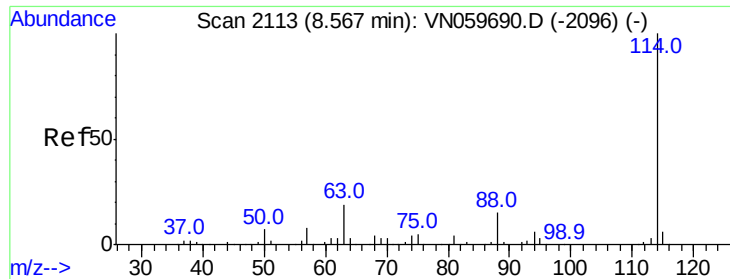
#33
1,2-Dichloroethane-d4
Concen: 46.872 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Tgt Ion: 65 Resp: 101345
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0



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

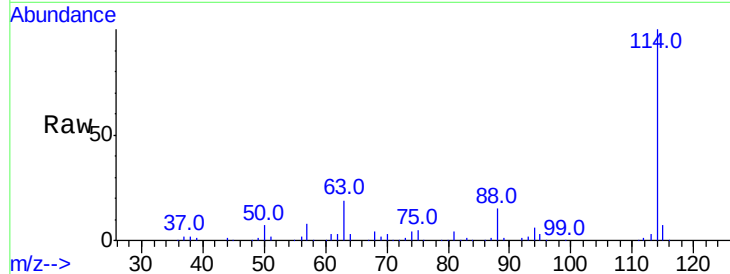




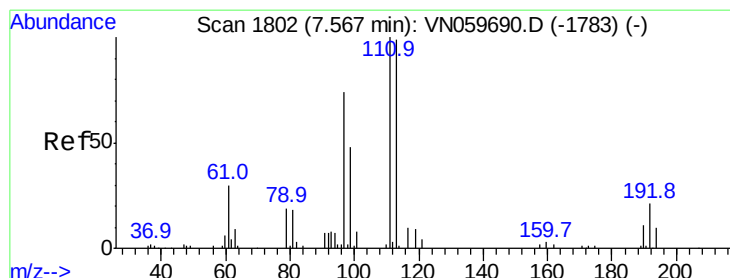
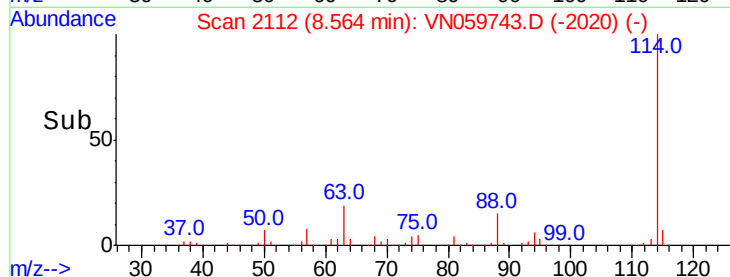
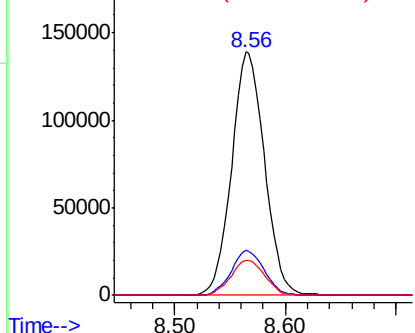
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059743.D
 Acq: 16 Jan 2020 19:35

Instrument :
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 ClientSampleId :
 400115763

Tgt Ion:114 Resp: 287207
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.6
 88 14.6 0.0 31.4

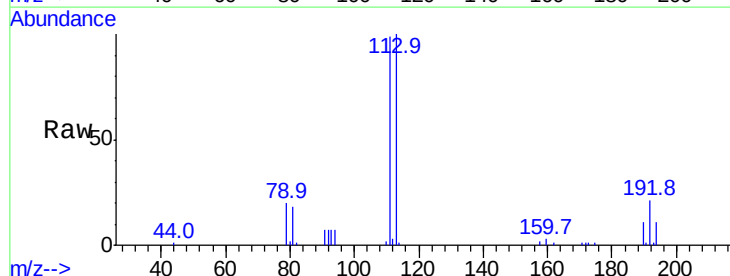


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

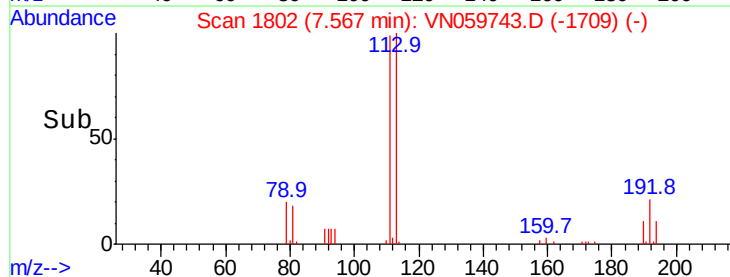
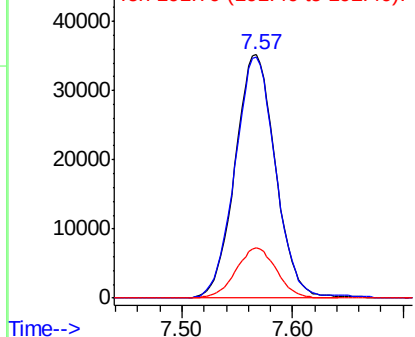


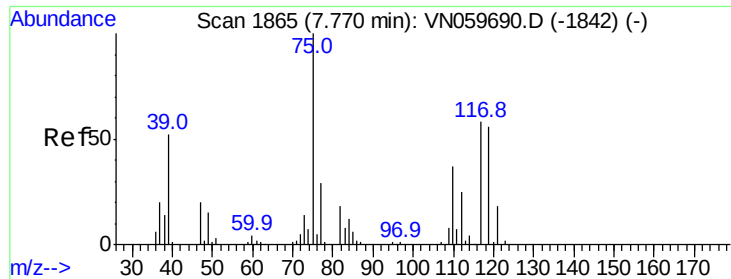
#35
 Dibromofluoromethane
 Concen: 52.074 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059743.D
 Acq: 16 Jan 2020 19:35

Tgt Ion:113 Resp: 89189
 Ion Ratio Lower Upper
 113 100
 111 99.6 83.5 125.3
 192 20.5 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

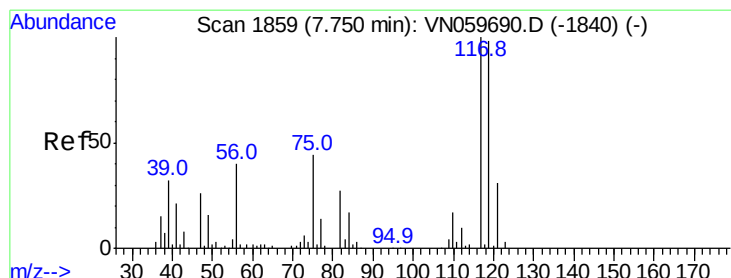
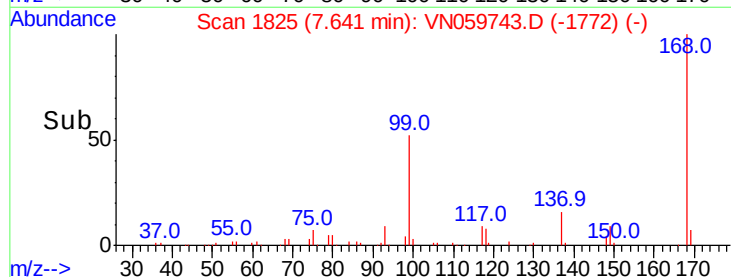
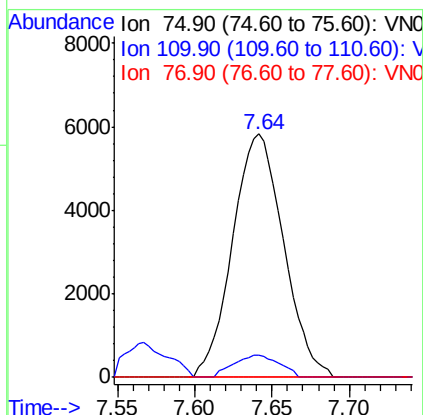
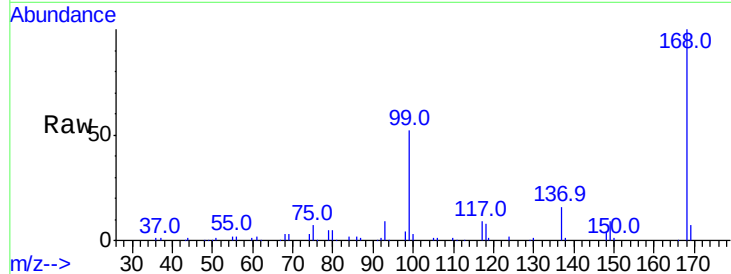




#36
 1,1-Dichloropropene
 Concen: 5.338 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059743.D
 Acq: 16 Jan 2020 19:35

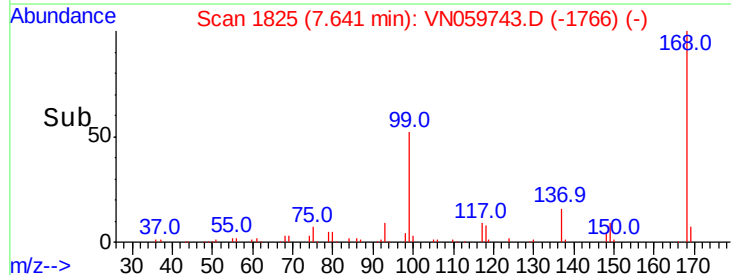
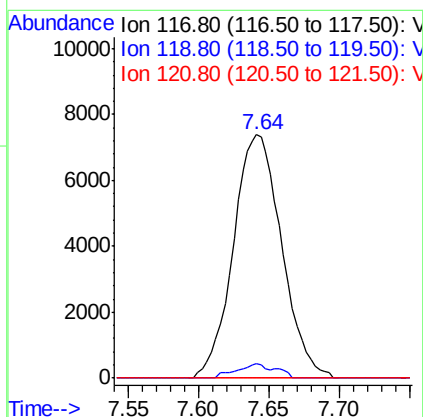
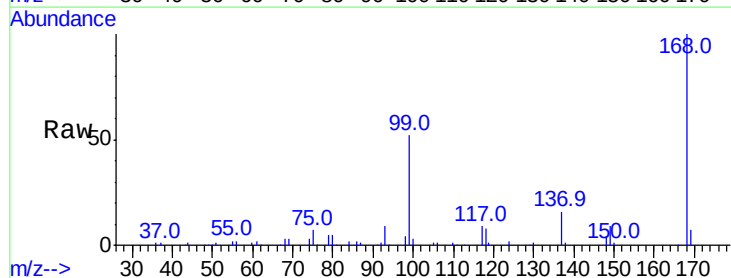
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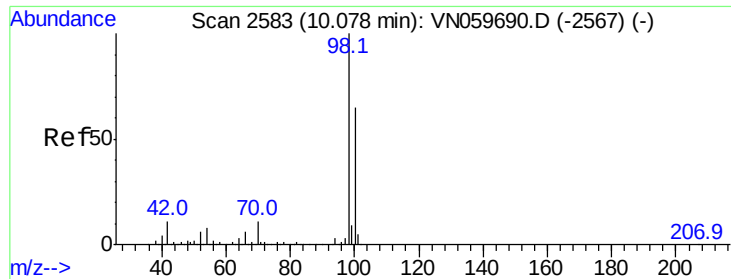
Tgt Ion: 75 Resp: 13352
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.491 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059743.D
 Acq: 16 Jan 2020 19:35

Tgt Ion: 117 Resp: 17660
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.5 114.7#
 121 0.0 25.1 37.7#

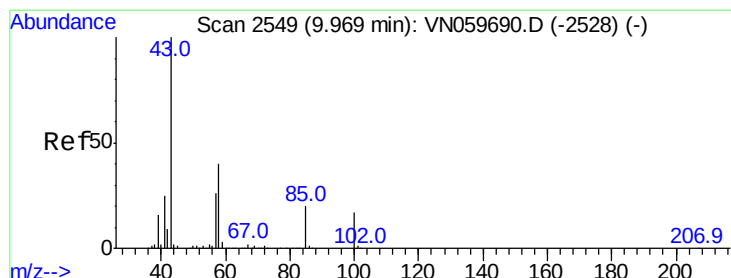
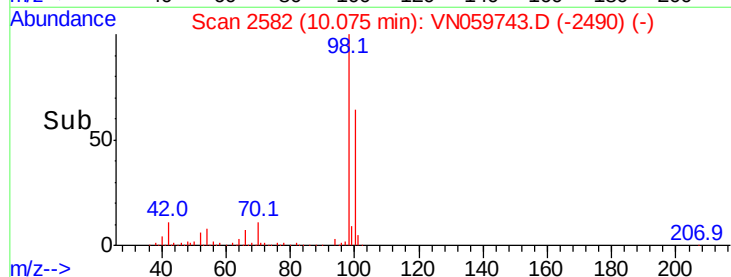
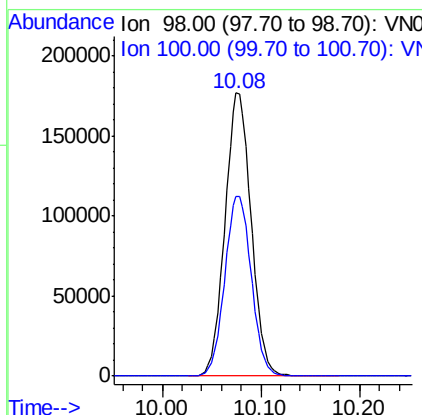
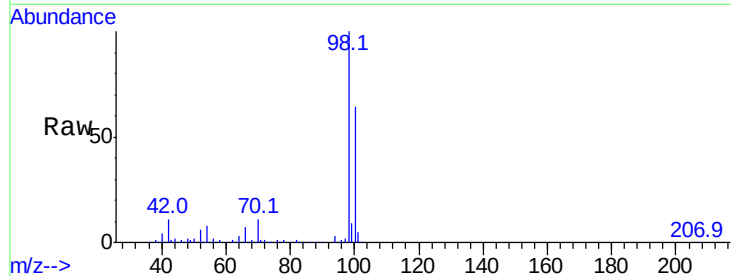




#50
Toluene-d8
Concen: 49.598 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

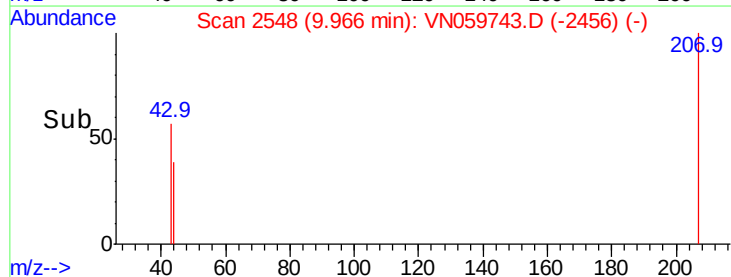
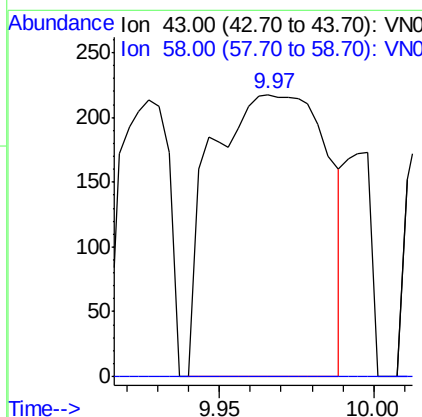
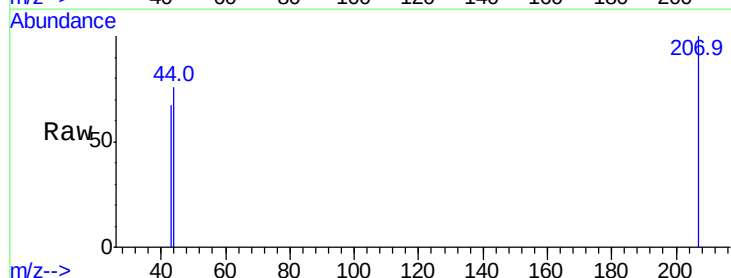
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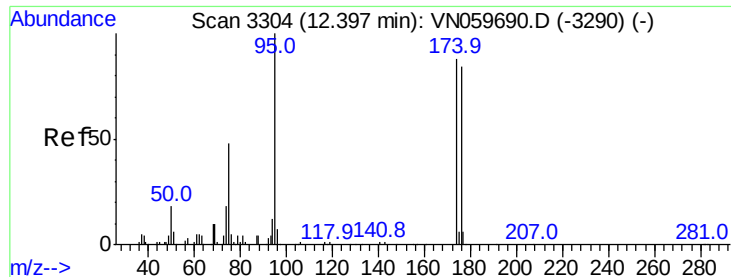
Tgt Ion: 98 Resp: 329131
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#

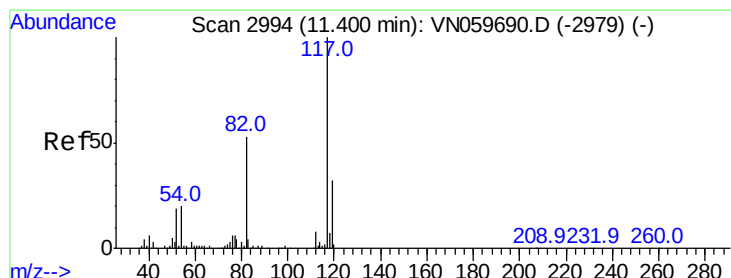
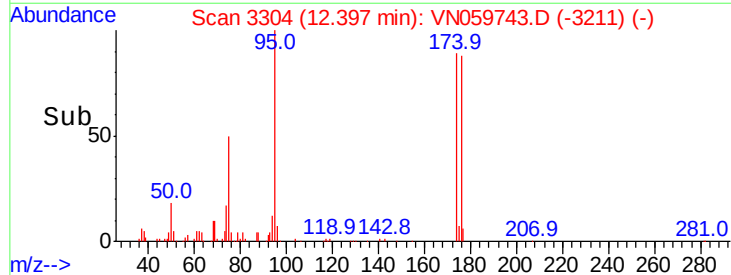
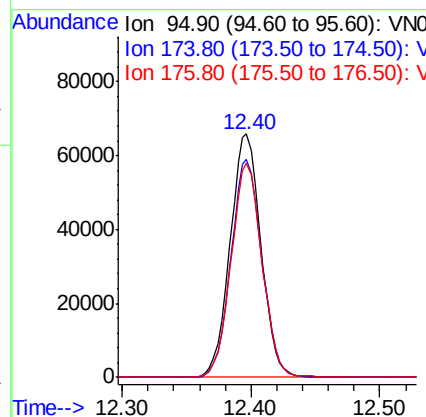
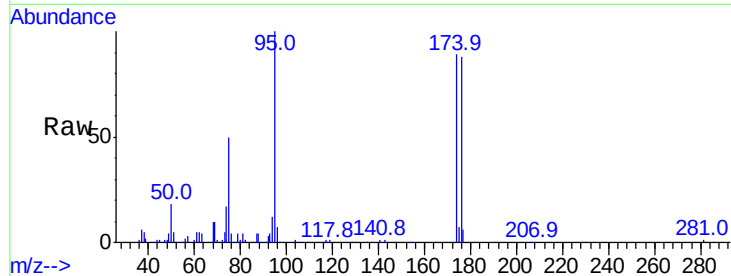




#62
4-Bromofluorobenzene
Concen: 45.674 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

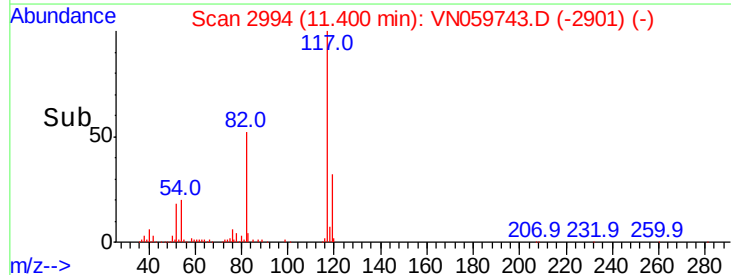
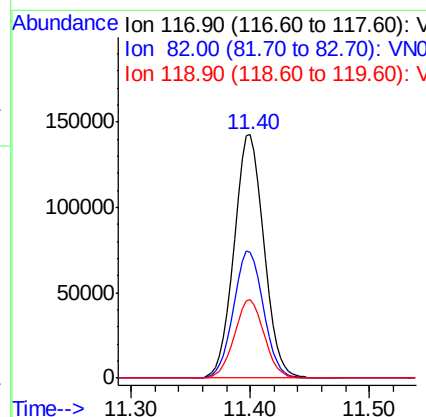
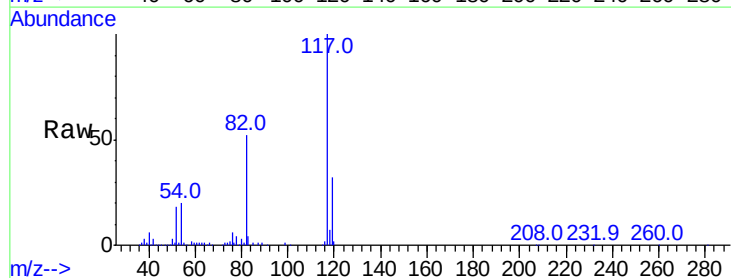
Instrument :
MSVOA_N
ClientSampleId :
400115763

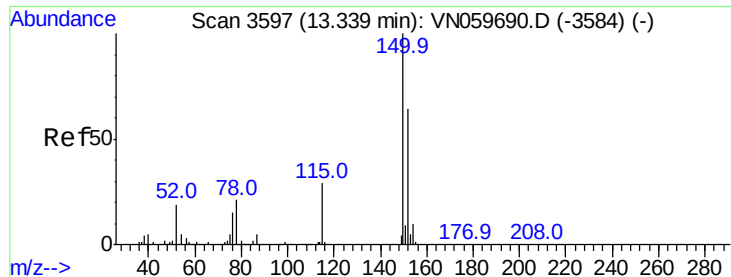
Tgt Ion: 95 Resp: 109265
Ion Ratio Lower Upper
95 100
174 89.4 0.0 151.4
176 87.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Tgt Ion: 117 Resp: 248071
Ion Ratio Lower Upper
117 100
82 51.9 45.9 68.9
119 32.2 25.5 38.3

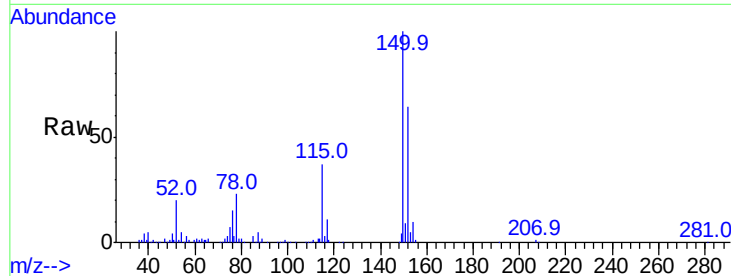




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN059743.D
 Acq: 16 Jan 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 400115763

Tgt Ion:152 Resp: 101792
 Ion Ratio Lower Upper
 152 100
 115 57.2 30.3 90.9
 150 157.2 0.0 345.2

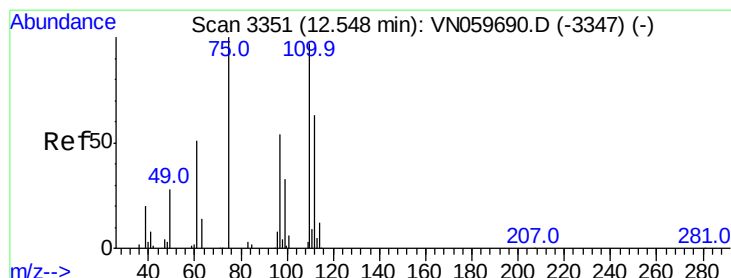
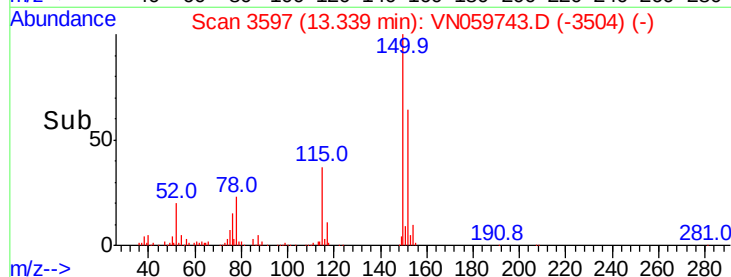
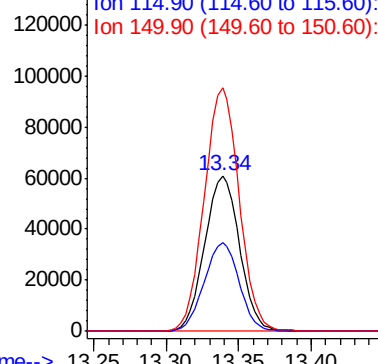


Abundance

Ion 151.90 (151.60 to 152.60): V

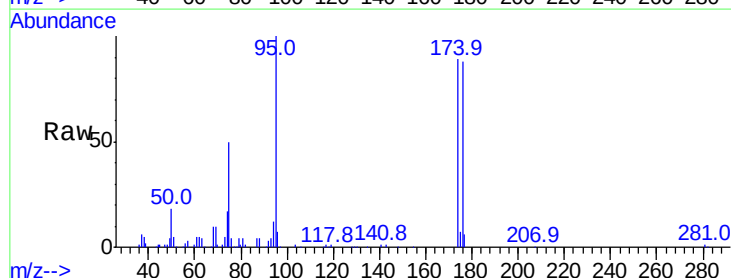
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76
 1,2,3-Trichloropropane
 Concen: 32.132 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059743.D
 Acq: 16 Jan 2020 19:35

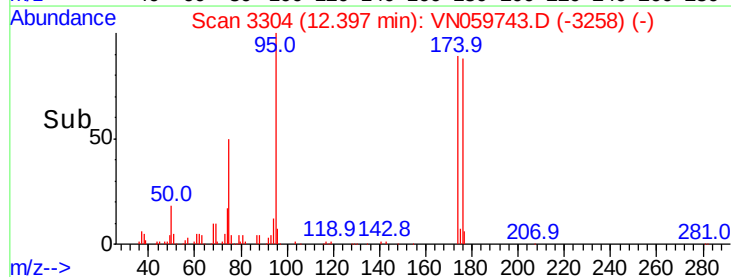
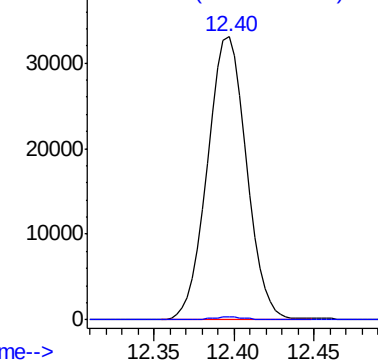
Tgt Ion: 75 Resp: 55044
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

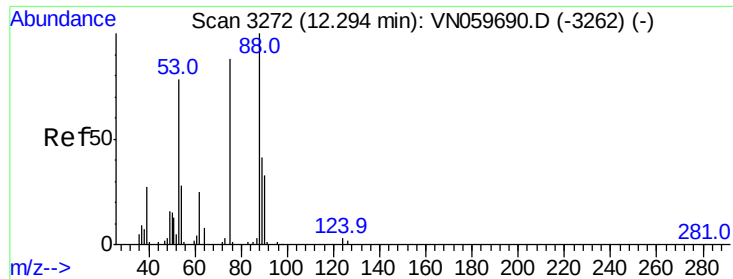


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

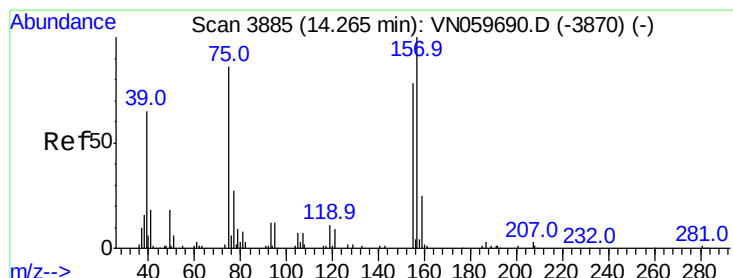
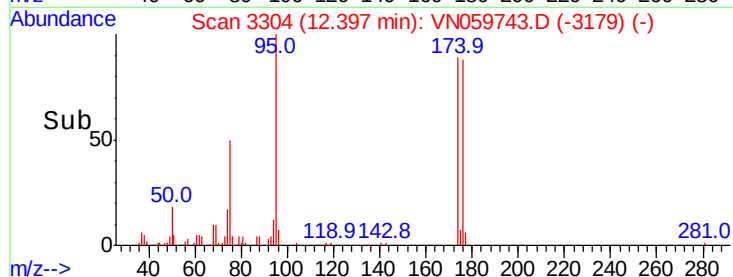
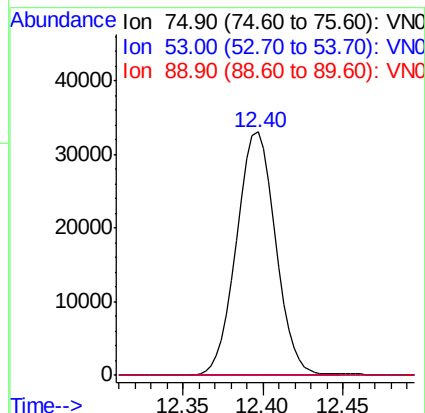
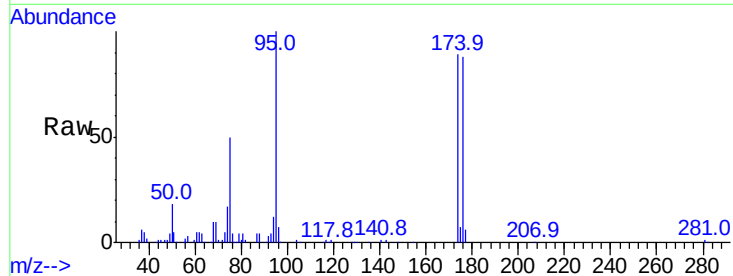




#81
trans-1,4-Dichloro-2-butene
Concen: 69.004 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
400115763

Tgt Ion: 75 Resp: 55044
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.24 min Scan# 3876
Delta R.T. -0.03 min
Lab File: VN059743.D
Acq: 16 Jan 2020 19:35

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

