

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059818.D
 Acq On : 21 Jan 2020 19:08
 Operator : JC/MD
 Sample : L1214-05
 Misc : 4.76g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:49:36 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	191218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	283326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	242634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105841	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	99860	47.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.06%	
35) Dibromofluoromethane	7.56	113	85567	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	
50) Toluene-d8	10.08	98	332142	50.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	108922	46.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.30%	

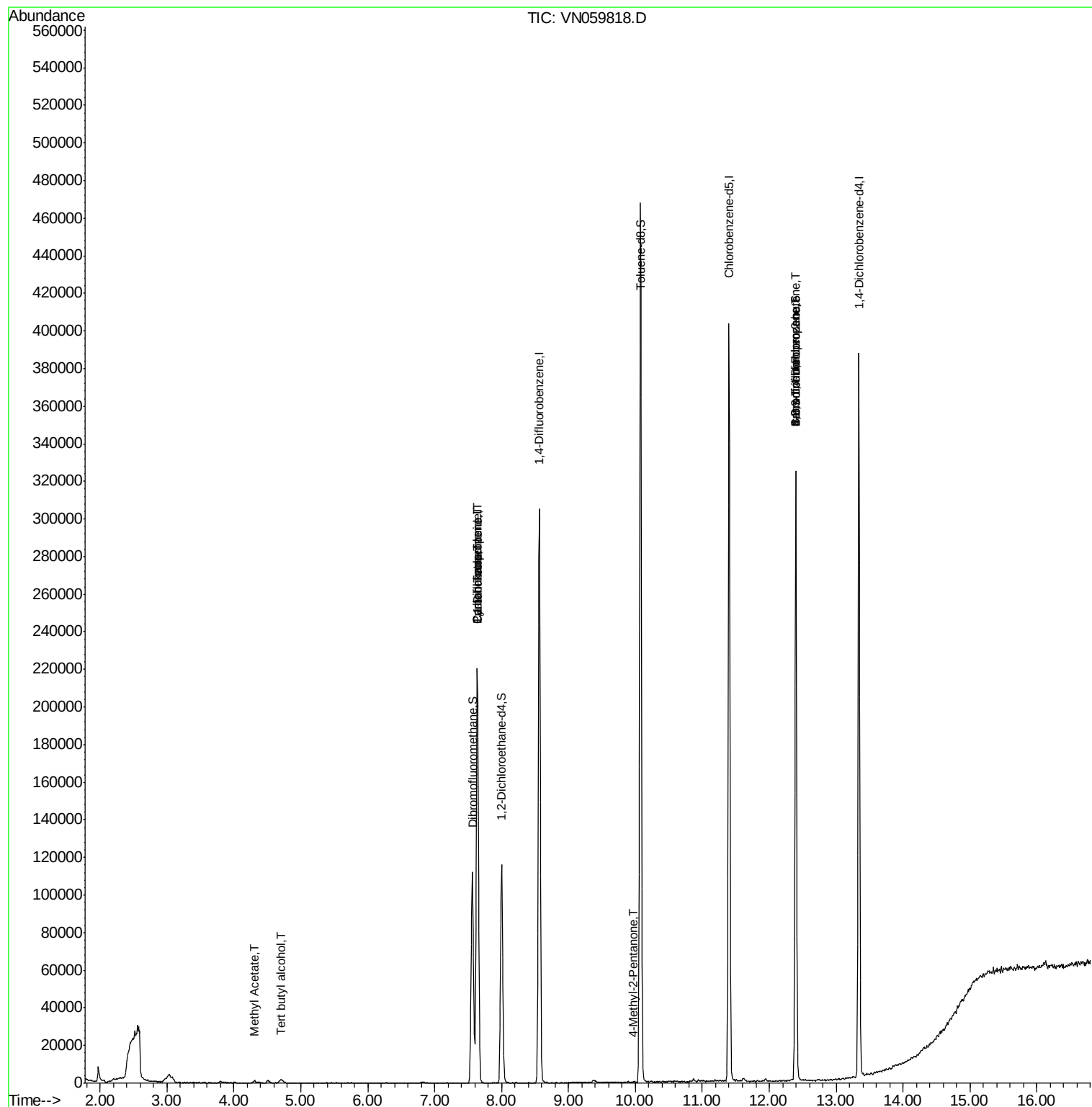
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	1135	3.175	ug/l #	72
16) Acetone	3.76	43	64	Below Cal	#	45
18) Methyl Acetate	4.29	43	1015	0.409	ug/l	100
20) Methylene Chloride	4.51	84	548	Below Cal	#	59
31) Cyclohexane	7.64	56	3768	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13328	5.402	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17990	6.703	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	543	0.236	ug/l #	38
71) Bromoform	12.40	173	453	0.307	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	54321	30.497	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	54321	65.492	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	330	Below Cal	#	6

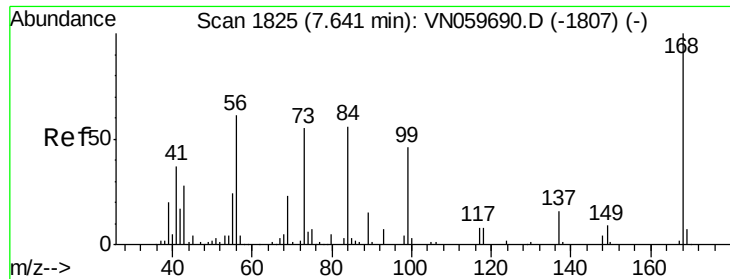
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059818.D

Acq: 21 Jan 2020 19:08

Instrument :

MSVOA_N

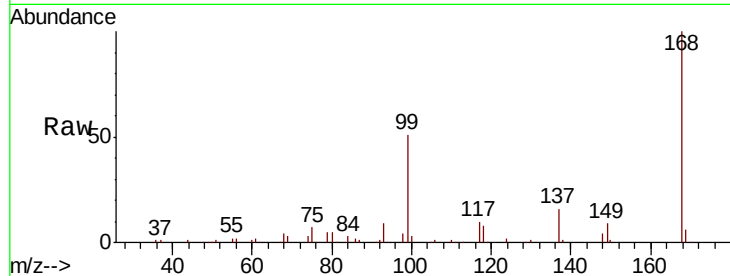
ClientSampled :

Tot Ion:168 Resp: 191218

Ion Ratio Lower Upper

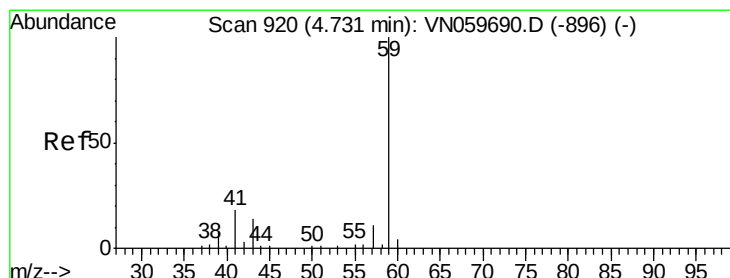
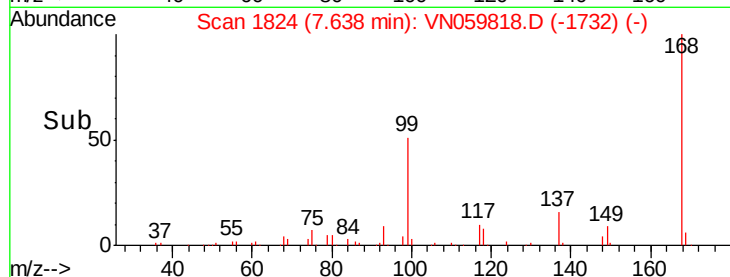
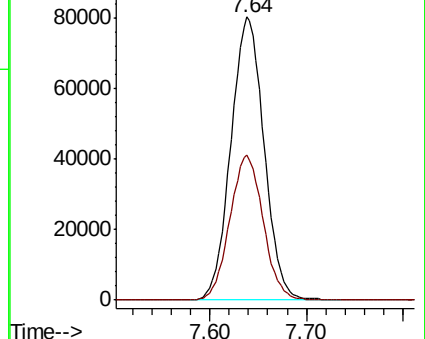
168 100

99 51.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 3.175 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.03 min

Lab File: VN059818.D

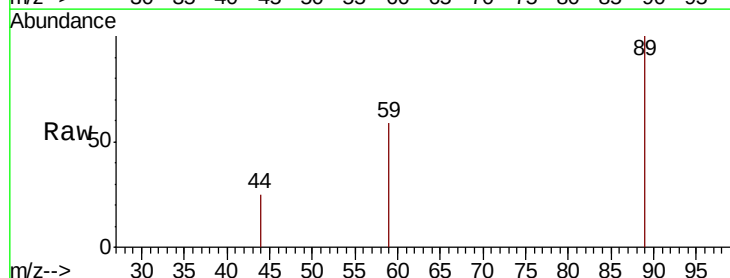
Acq: 21 Jan 2020 19:08

Tgt Ion: 59 Resp: 1135

Ion Ratio Lower Upper

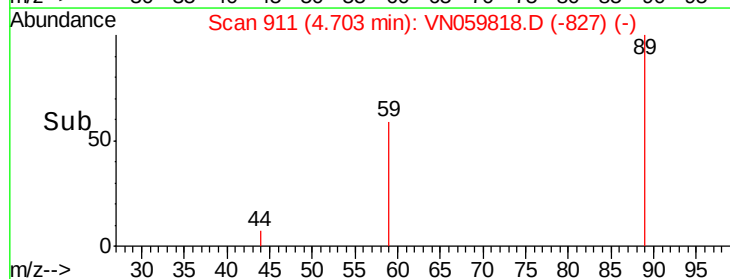
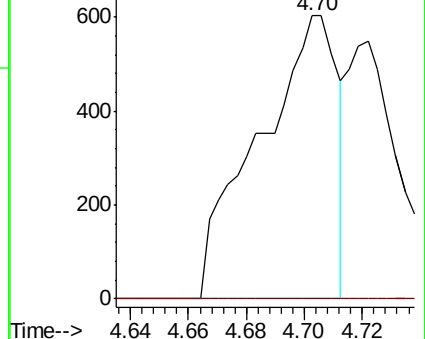
59 100

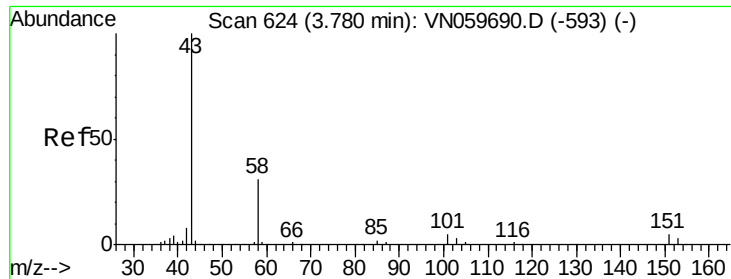
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: Below Cal

RT: 3.76 min Scan# 619

Delta R.T. -0.02 min

Lab File: VN059818.D

Acq: 21 Jan 2020 19:08

Instrument :

MSVOA_N

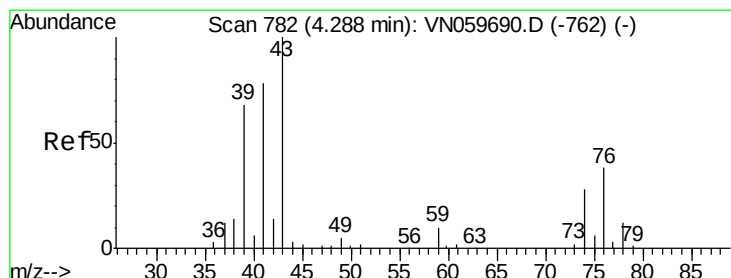
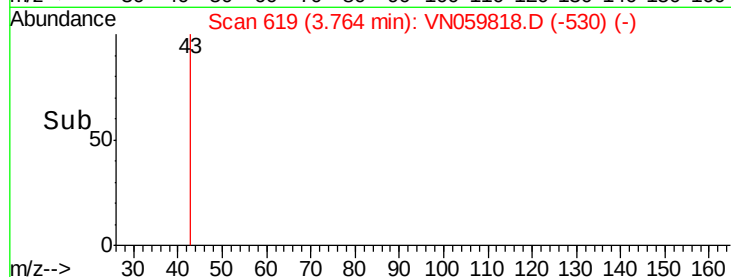
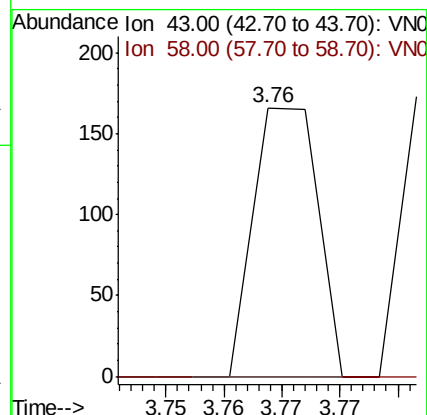
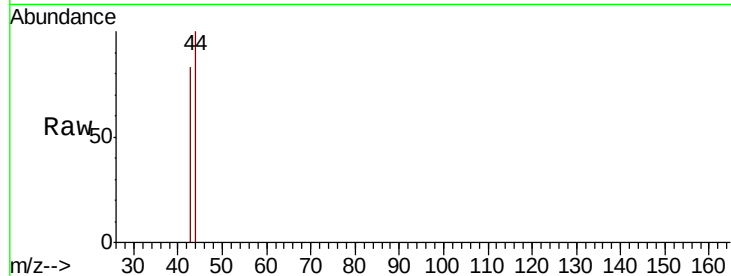
ClientSampled :

Tot Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



#18

Methyl Acetate

Concen: 0.409 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN059818.D

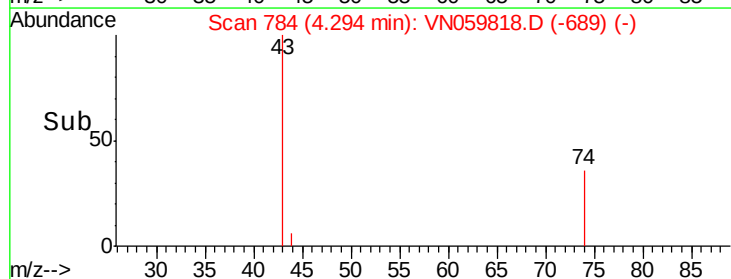
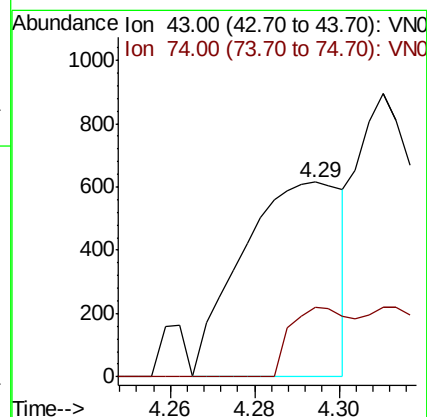
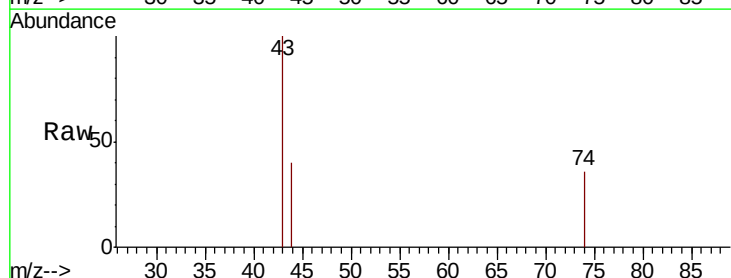
Acq: 21 Jan 2020 19:08

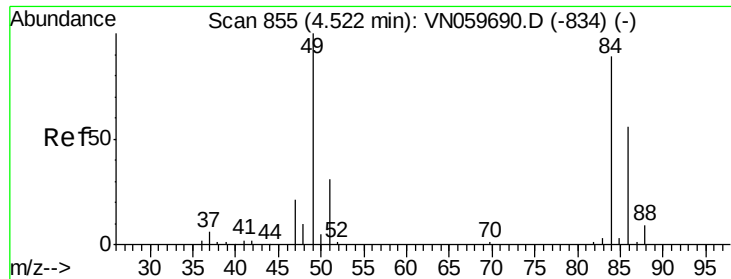
Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 850

Delta R.T. -0.02 min

Lab File: VN059818.D

Acq: 21 Jan 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 548

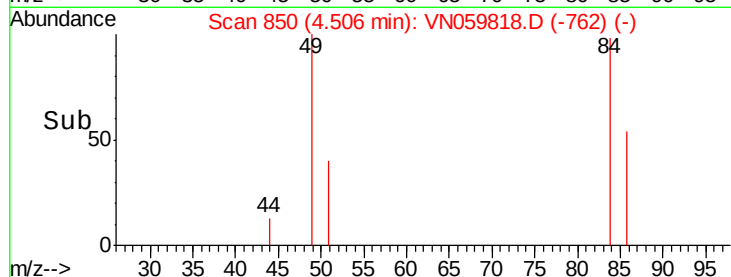
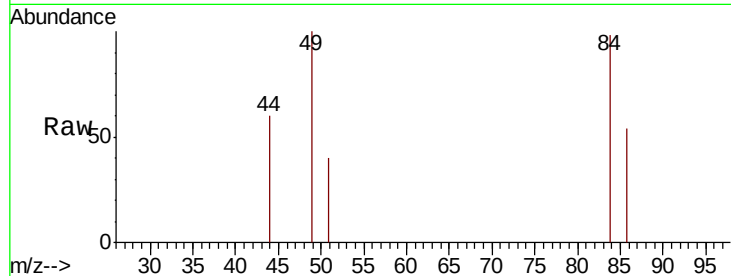
Ion Ratio Lower Upper

84 100

49 54.3 106.6 160.0#

51 40.4 31.9 47.9

86 55.2 50.8 76.2

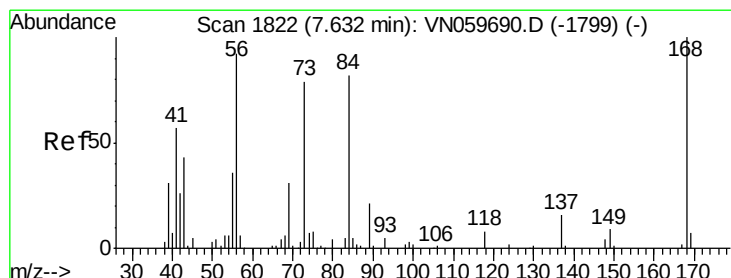
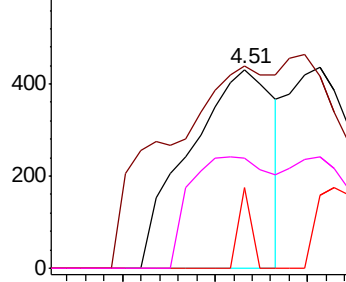


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059818.D

Acq: 21 Jan 2020 19:08

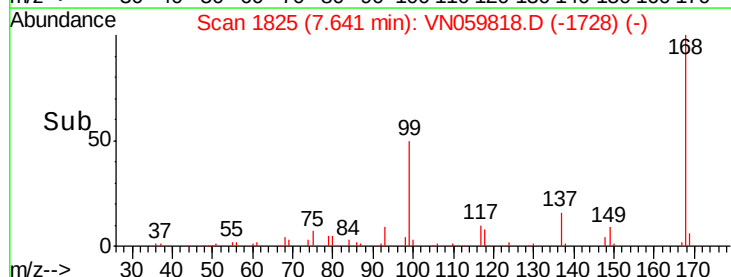
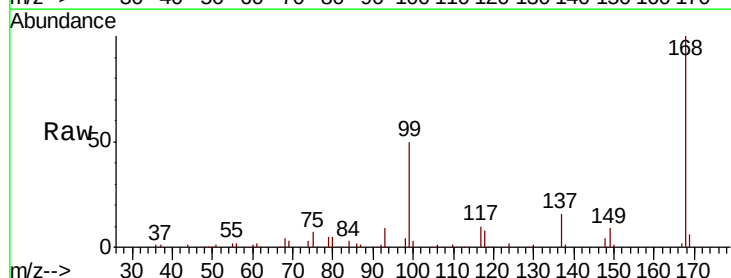
Tgt Ion: 56 Resp: 3768

Ion Ratio Lower Upper

56 100

69 162.3 26.5 39.7#

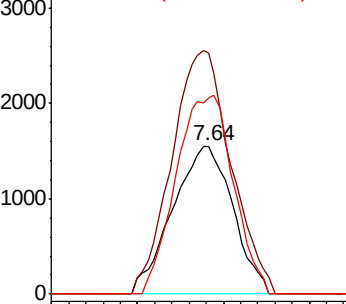
84 132.3 65.3 97.9#

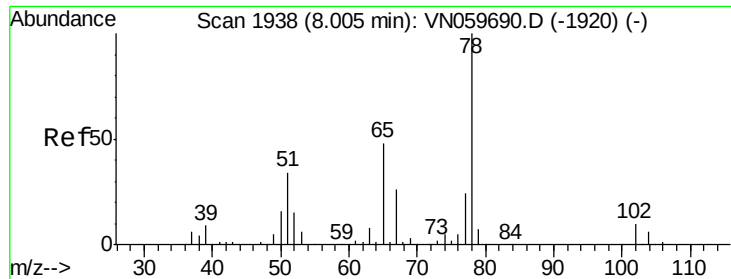


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

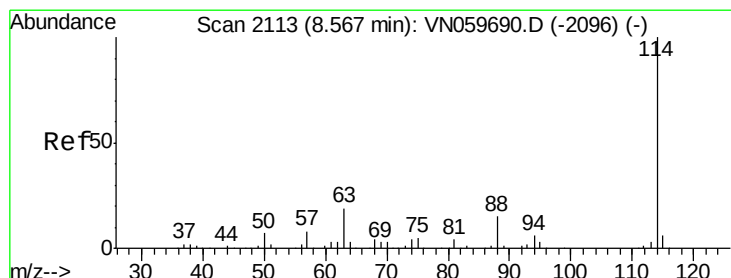
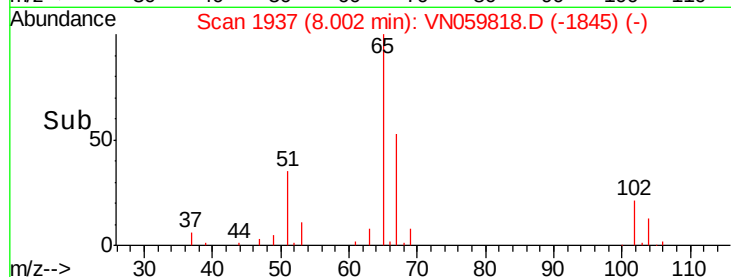
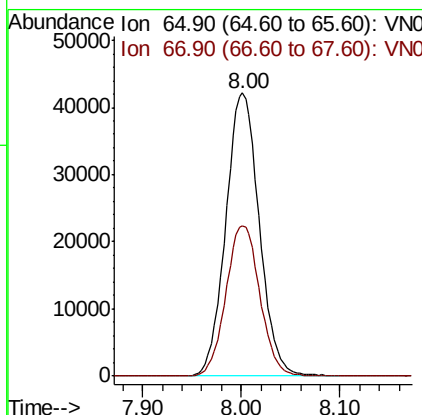
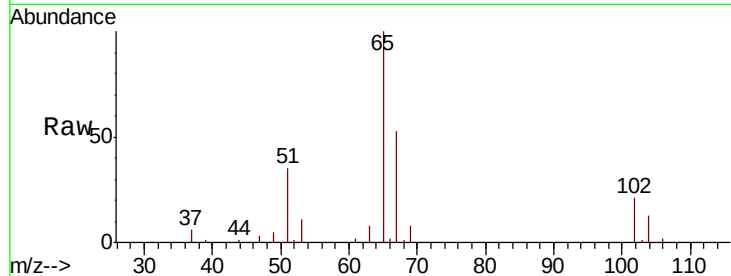




#33
 1,2-Dichloroethane-d4
 Concen: 47.026 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059818.D
 Acq: 21 Jan 2020 19:08

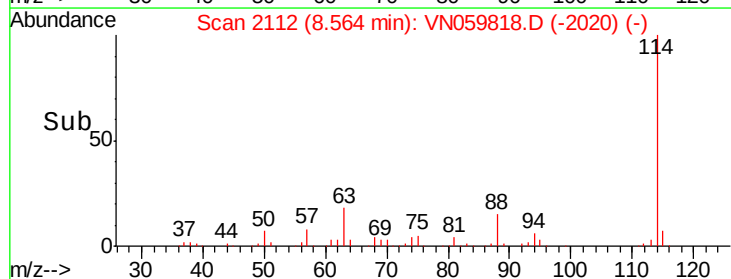
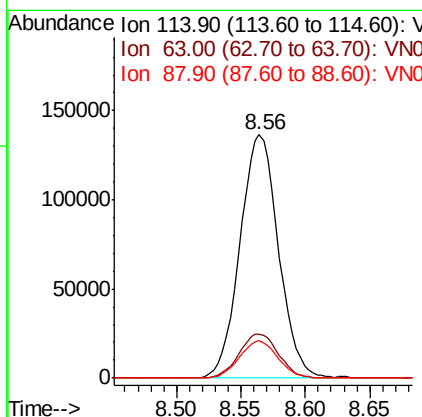
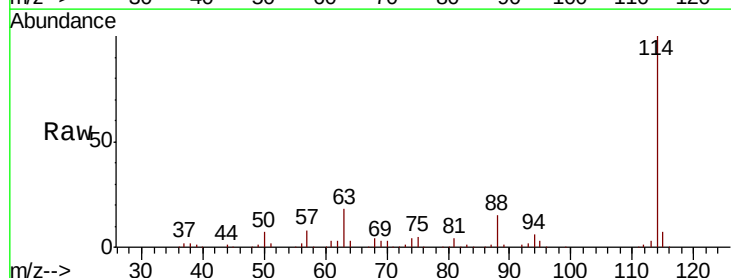
Instrument :
 MSVOA_N
 ClientSampleId :

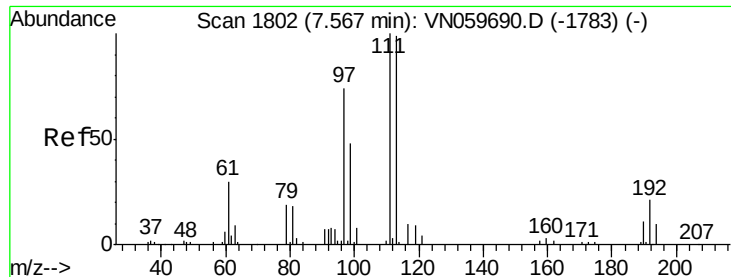
Tot Ion: 65 Resp: 99860
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059818.D
 Acq: 21 Jan 2020 19:08

Tgt Ion: 114 Resp: 283326
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 43.6
 88 15.3 0.0 31.4

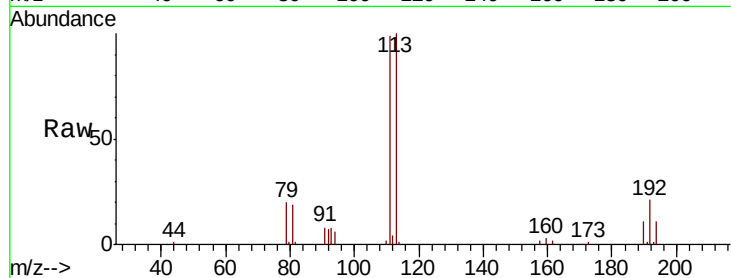




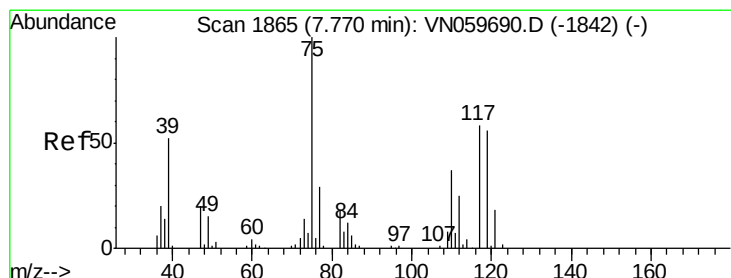
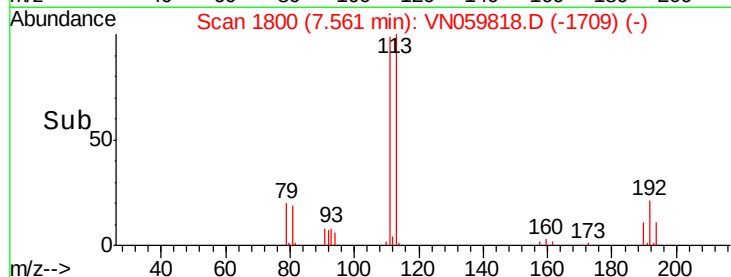
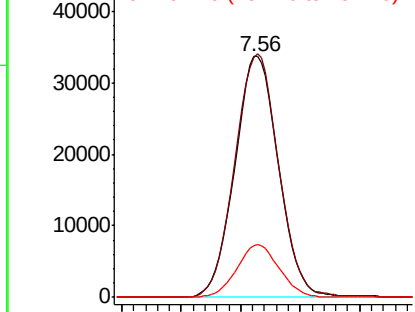
#35
 Dibromofluoromethane
 Concen: 50.643 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059818.D
 Acq: 21 Jan 2020 19:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 85567
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.5 125.3
 192 21.2 15.4 23.2

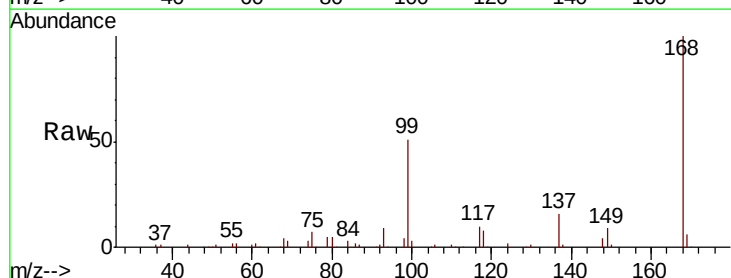


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

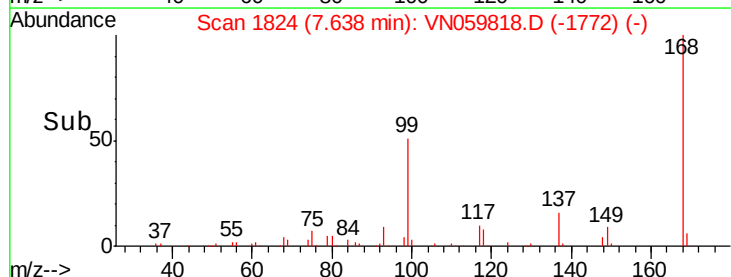
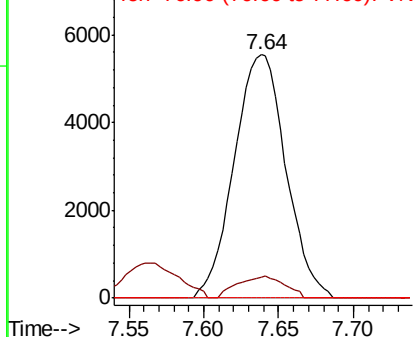


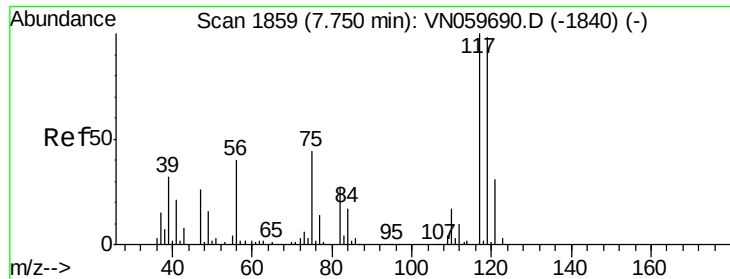
#36
 1,1-Dichloropropene
 Concen: 5.402 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059818.D
 Acq: 21 Jan 2020 19:08

Tgt Ion: 75 Resp: 13328
 Ion Ratio Lower Upper
 75 100
 110 8.2 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

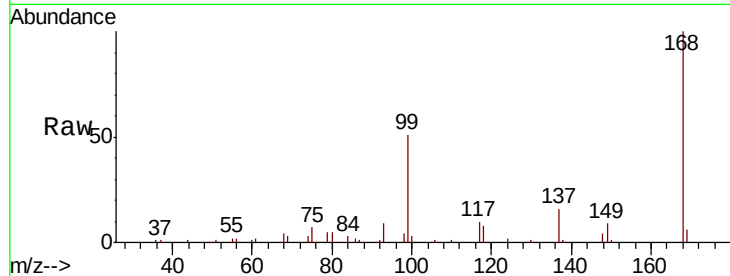




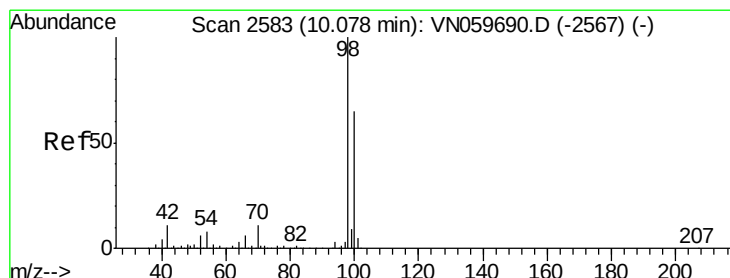
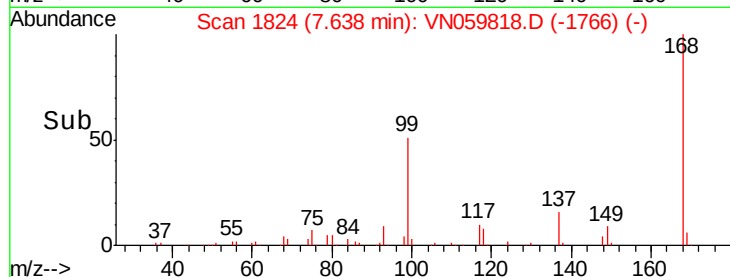
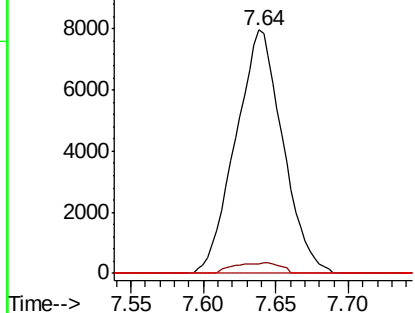
#38
Carbon Tetrachloride
Concen: 6.703 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 17990
Ion Ratio Lower Upper
117 100
119 4.0 76.5 114.7#
121 0.0 25.1 37.7#

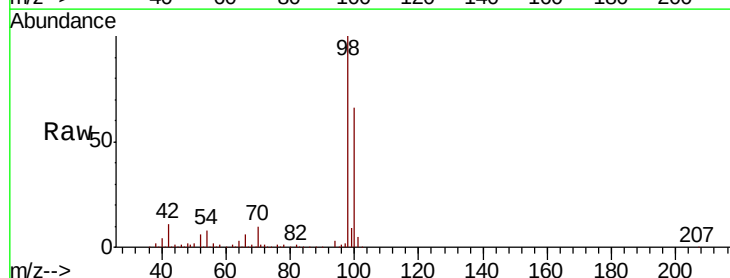


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

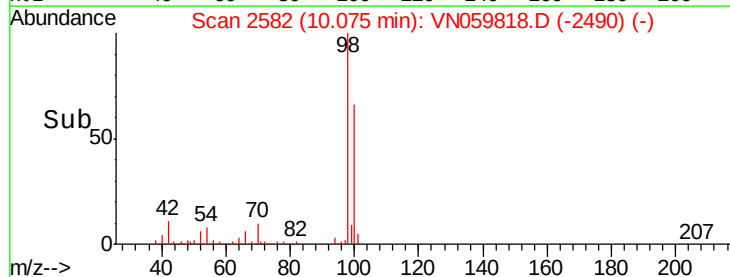
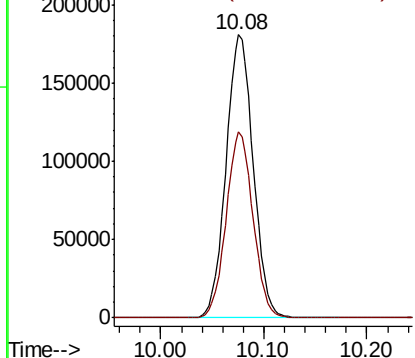


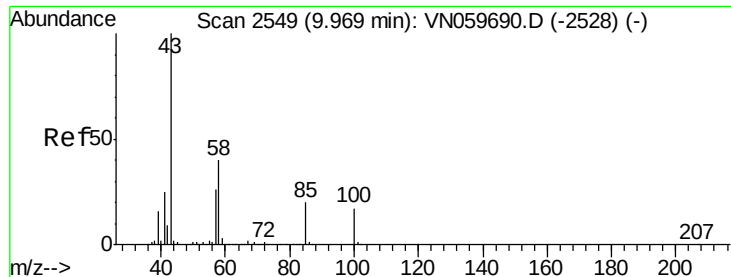
#50
Toluene-d8
Concen: 50.737 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Tgt Ion: 98 Resp: 332142
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

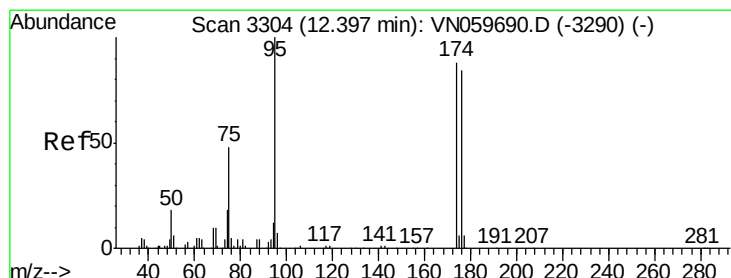
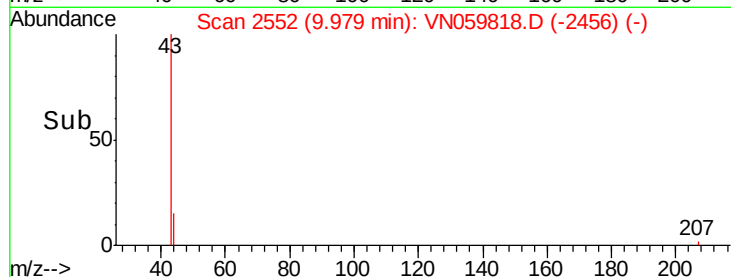
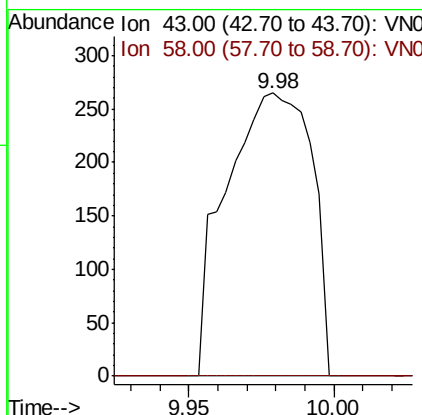
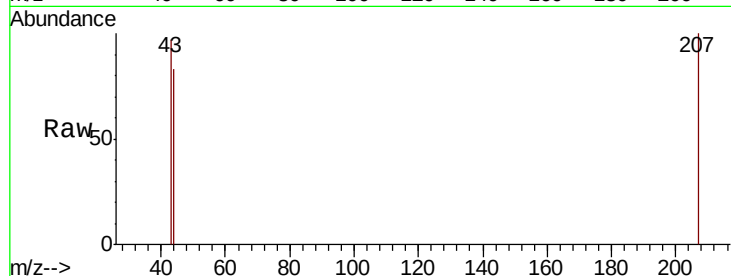




#51
 4-Methyl-2-Pentanone
 Concen: 0.236 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.01 min
 Lab File: VN059818.D
 Acq: 21 Jan 2020 19:08

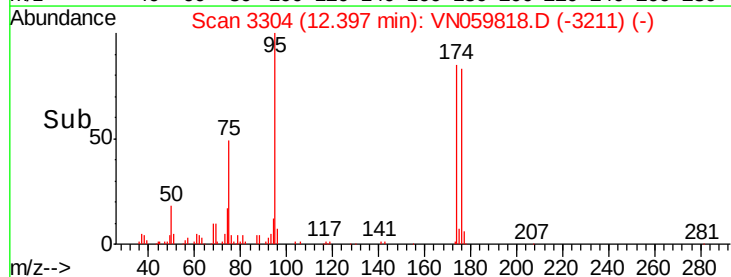
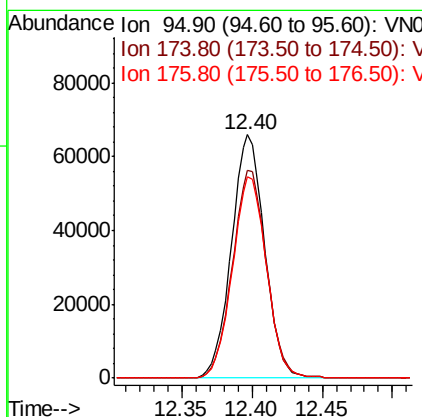
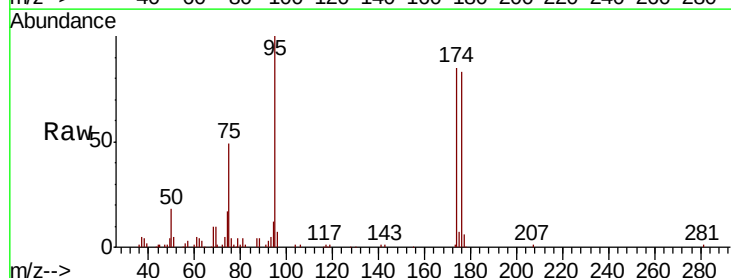
Instrument :
 MSVOA_N
 ClientSampleId :

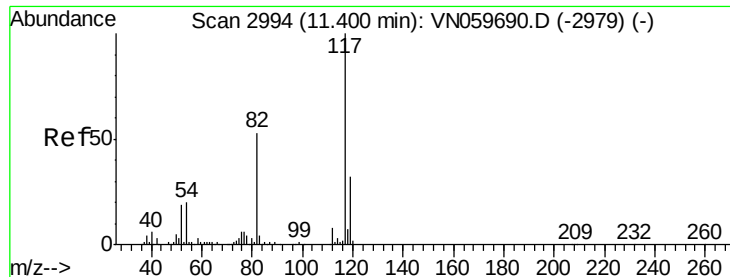
Tot Ion: 43 Resp: 543
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 46.154 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059818.D
 Acq: 21 Jan 2020 19:08

Tgt Ion: 95 Resp: 108922
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 151.4
 176 85.1 0.0 146.0

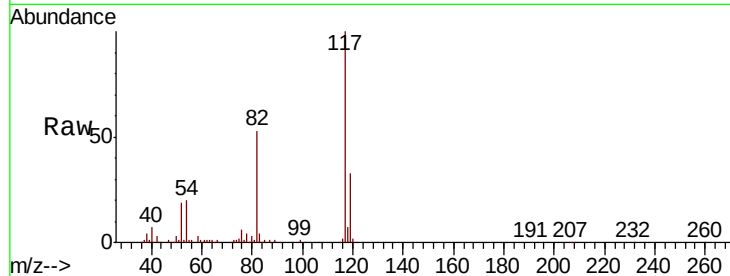




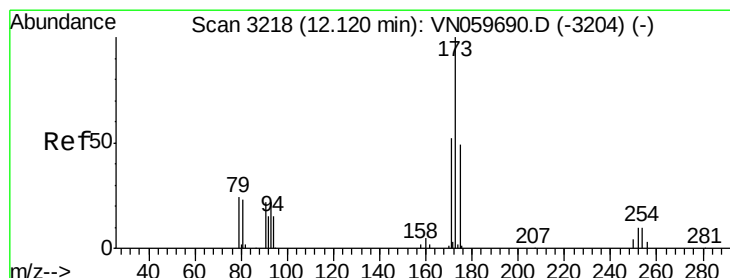
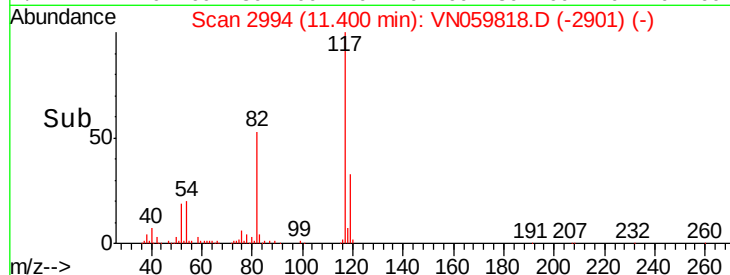
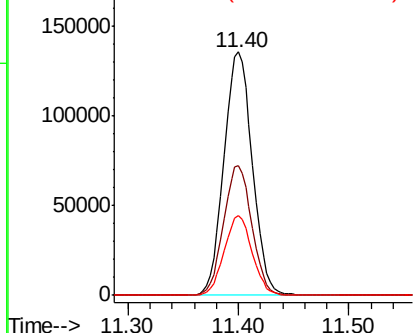
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 242634
Ion Ratio Lower Upper
117 100
82 53.3 45.9 68.9
119 32.6 25.5 38.3

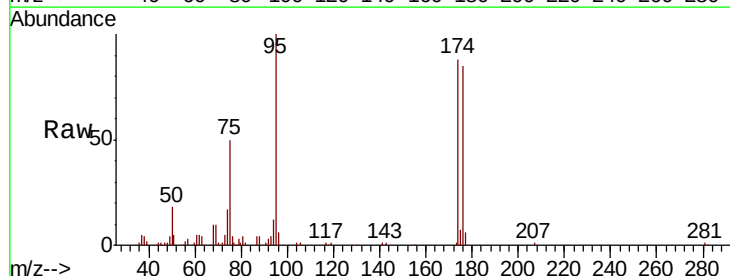


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

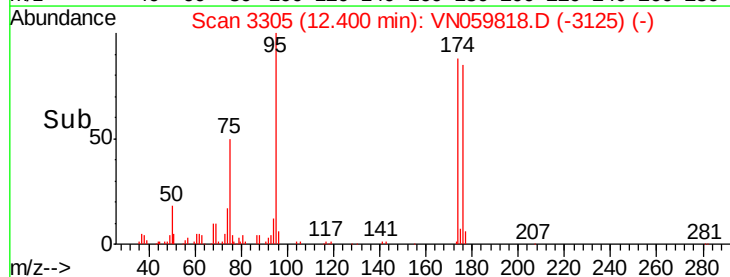
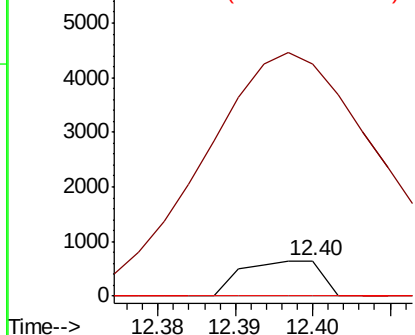


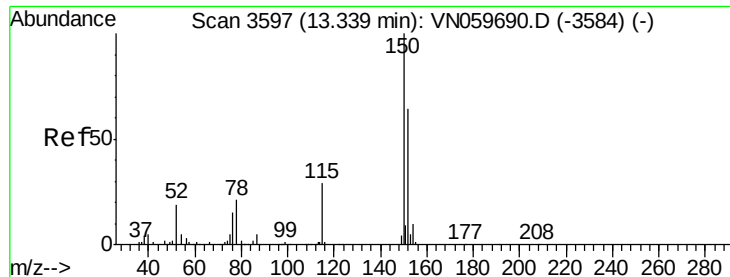
#71
Bromoform
Concen: 0.307 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Tgt Ion:173 Resp: 453
Ion Ratio Lower Upper
173 100
175 1320.8 23.8 71.4#
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



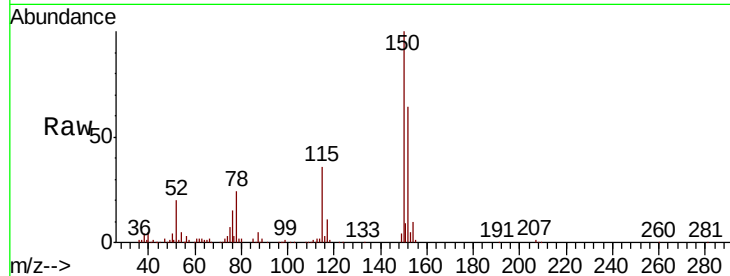


#72

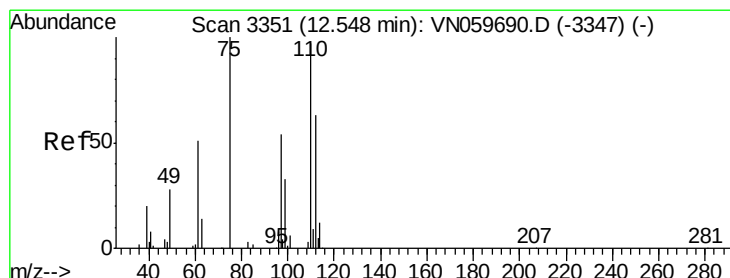
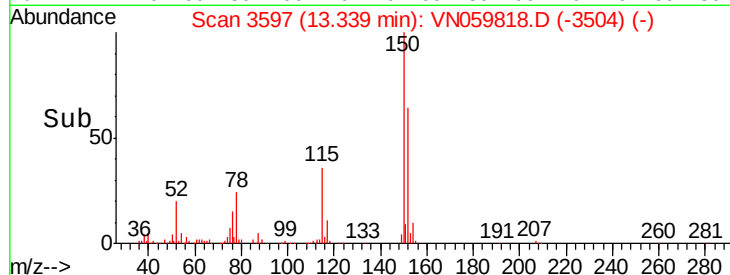
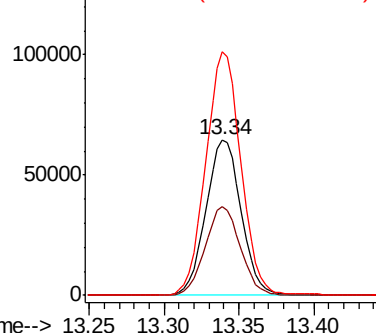
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 105841
Ion Ratio Lower Upper
152 100
115 57.2 30.3 90.9
150 156.5 0.0 345.2



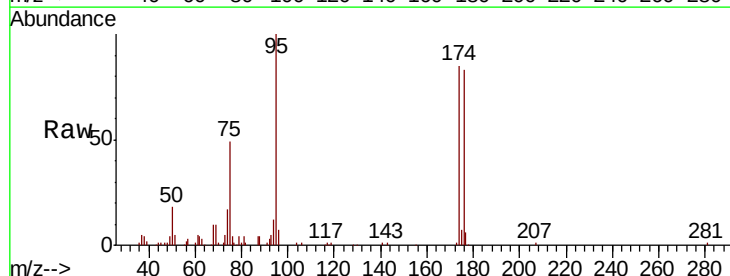
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



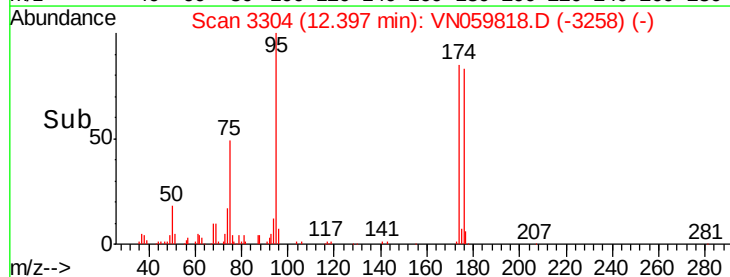
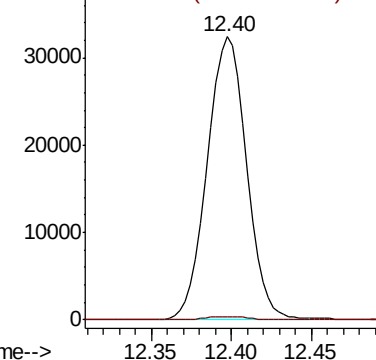
#76

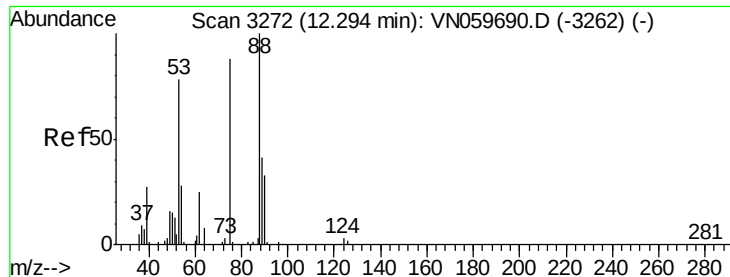
1,2,3-Trichloropropane
Concen: 30.497 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Tgt Ion: 75 Resp: 54321
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

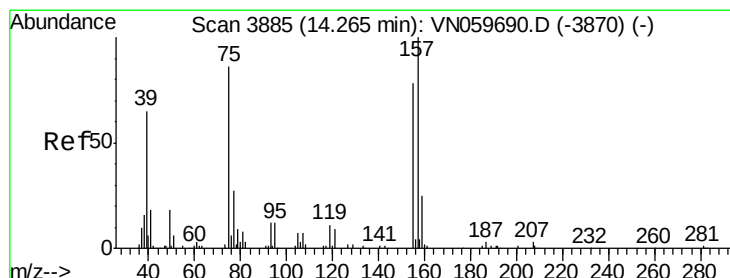
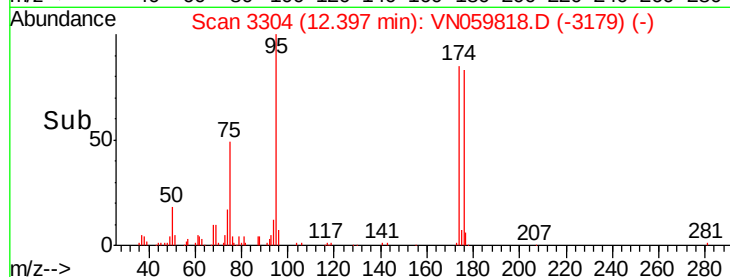
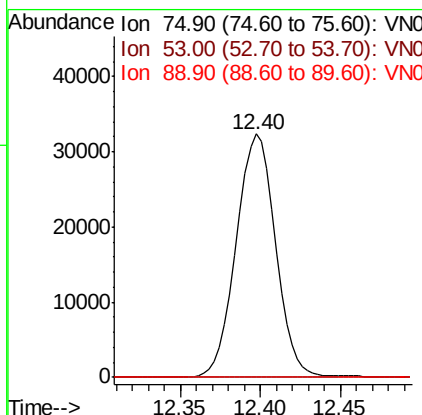
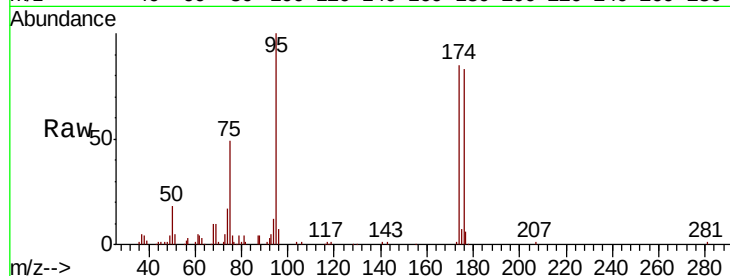




#81
trans-1,4-Dichloro-2-butene
Concen: 65.492 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 54321
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: 14.27 min Scan# 3888
Delta R.T. 0.01 min
Lab File: VN059818.D
Acq: 21 Jan 2020 19:08

Tgt Ion: 75 Resp: 330
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

