

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059169.D
 Acq On : 11 Nov 2019 18:14
 Operator : JC/SP
 Sample : K5782-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:45:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	585568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	213545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	288299	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
35) Dibromofluoromethane	7.57	113	219171	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.08	98	837227	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.40	95	265347	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

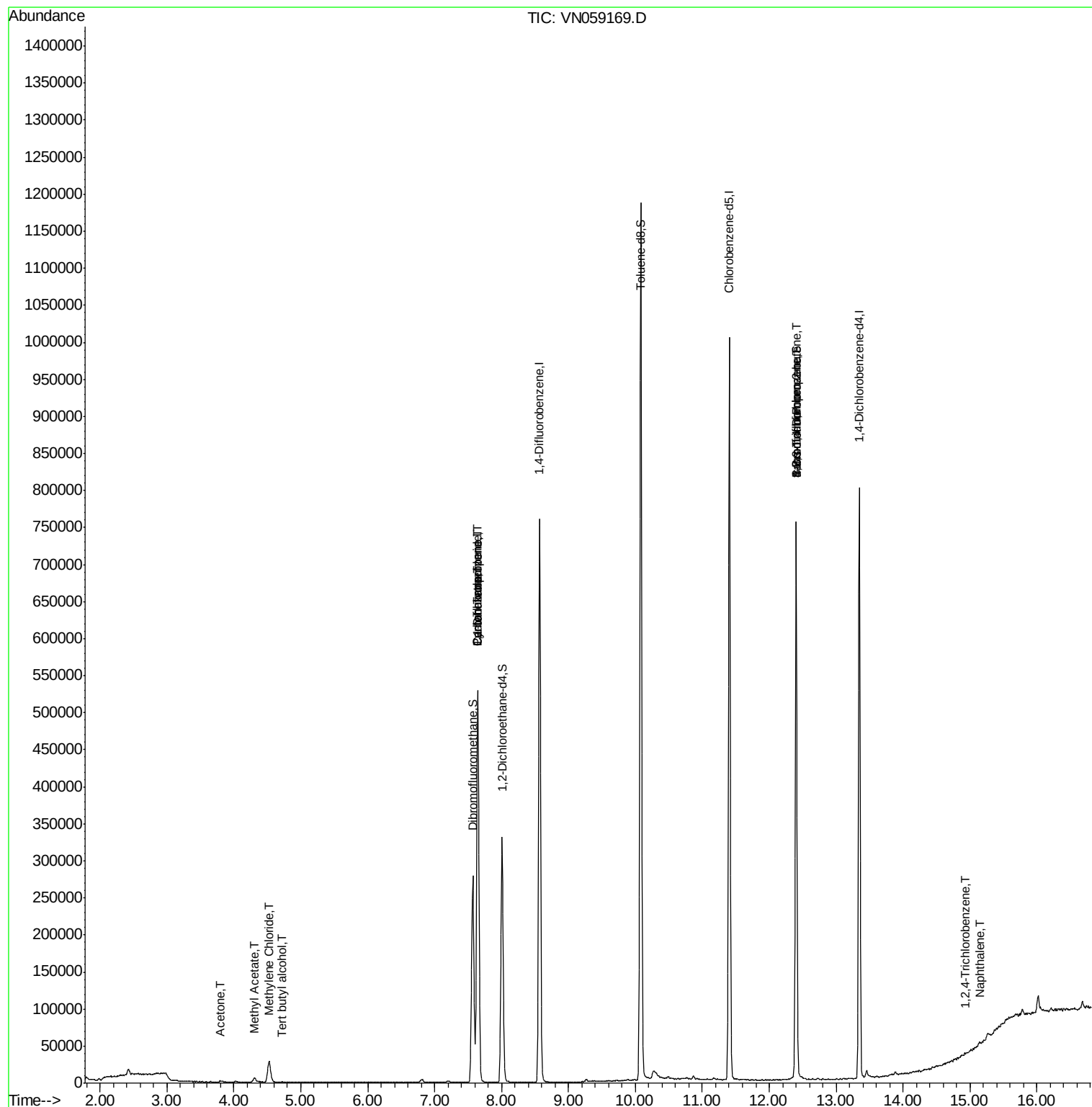
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	410	0.414	ug/l #	72
16) Acetone	3.80	43	2290	0.847	ug/l #	83
18) Methyl Acetate	4.31	43	11102	1.730	ug/l #	90
20) Methylene Chloride	4.53	84	22753	4.830	ug/l	99
31) Cyclohexane	7.64	56	8905	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33345	5.343	ug/l #	50
38) Carbon Tetrachloride	7.64	117	41552	6.689	ug/l #	17
71) Bromoform	12.40	173	1573	0.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	133178	27.393	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	133178	72.353	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	29	3.053	ug/l #	12
95) Naphthalene	15.13	128	2976	3.297	ug/l #	89

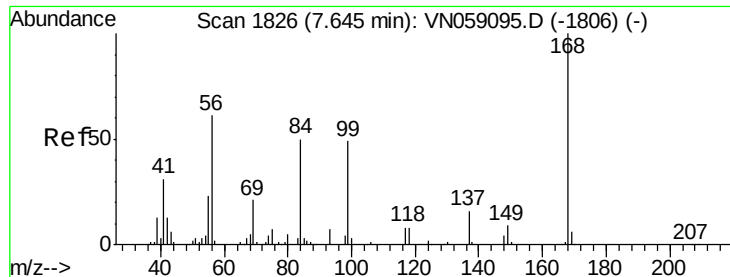
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111119\
Data File : VN059169.D
Acq On : 11 Nov 2019 18:14
Operator : JC/SP
Sample : K5782-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 12 00:45:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

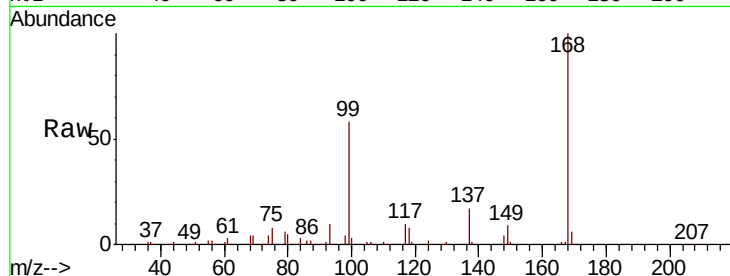
ClientSampled :

Tot Ion:168 Resp: 422987

Ion Ratio Lower Upper

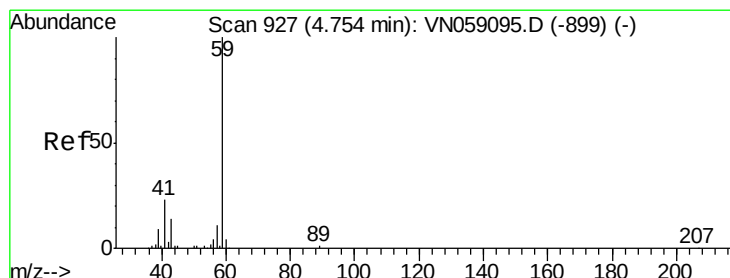
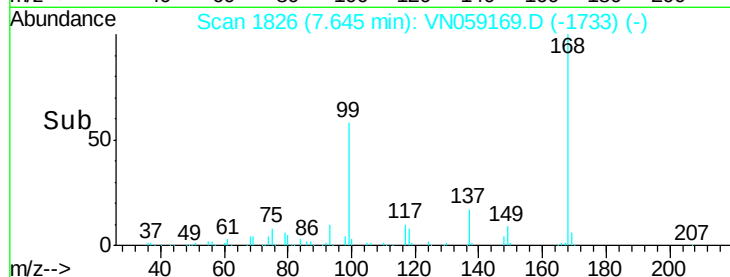
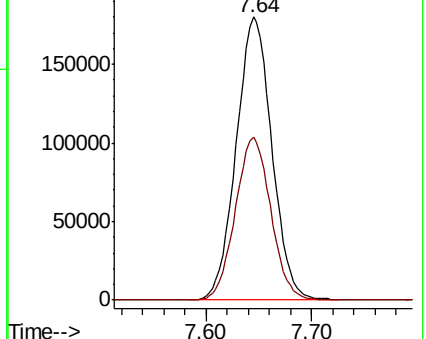
168 100

99 57.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.414 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.03 min

Lab File: VN059169.D

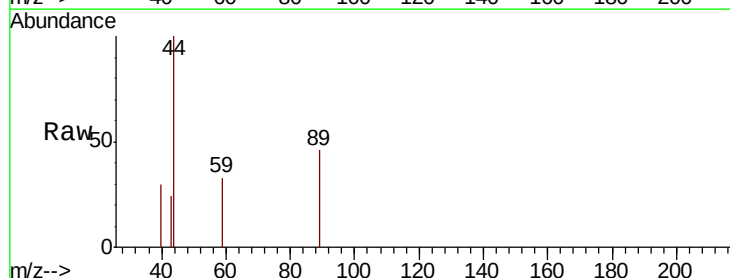
Acq: 11 Nov 2019 18:14

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

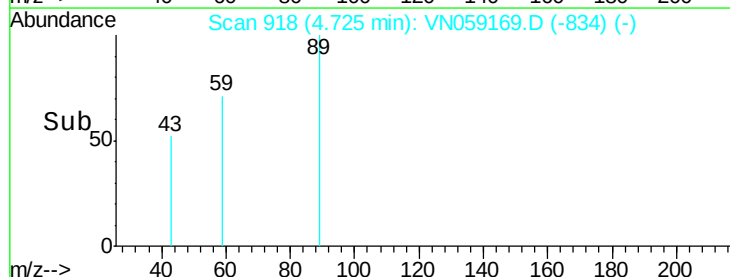
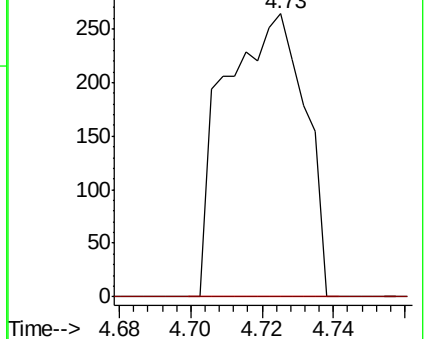
59 100

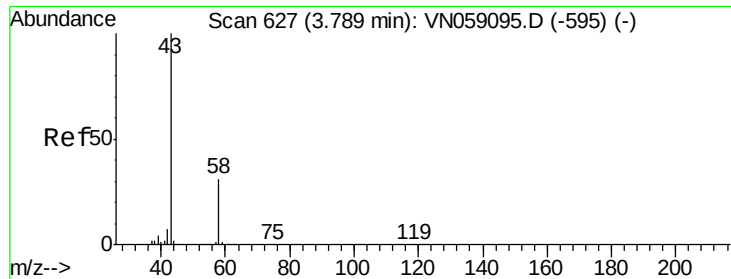
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 0.847 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

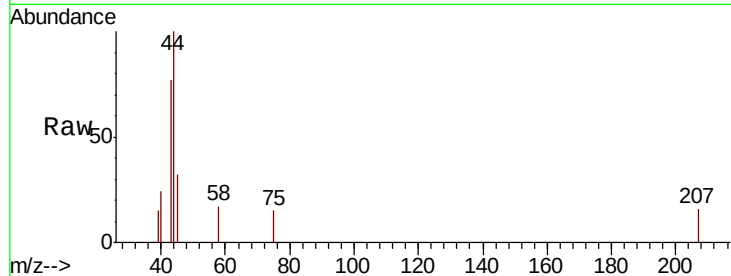
ClientSampled :

Tot Ion: 43 Resp: 2290

Ion Ratio Lower Upper

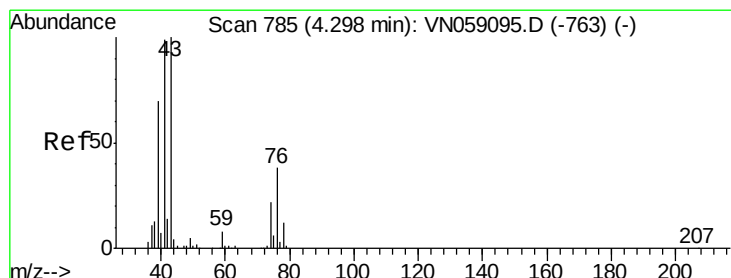
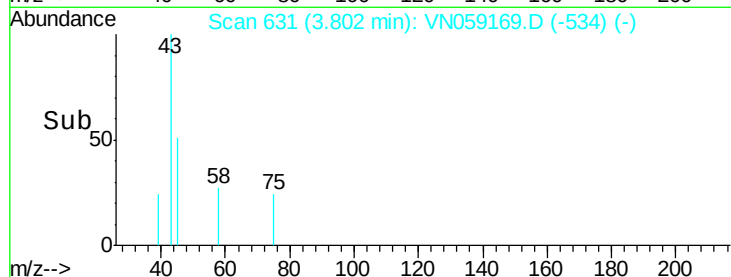
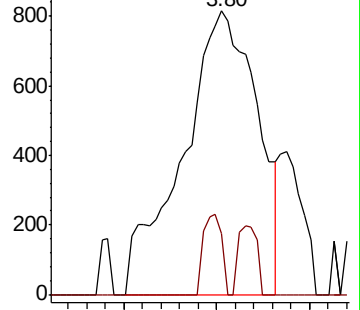
43 100

58 21.6 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059169.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059169.D (-534) (-)



#18

Methyl Acetate

Concen: 1.730 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059169.D

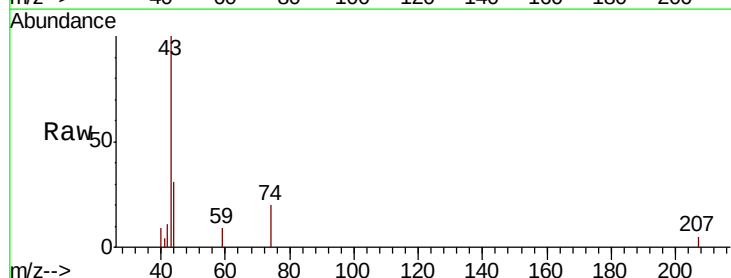
Acq: 11 Nov 2019 18:14

Tgt Ion: 43 Resp: 11102

Ion Ratio Lower Upper

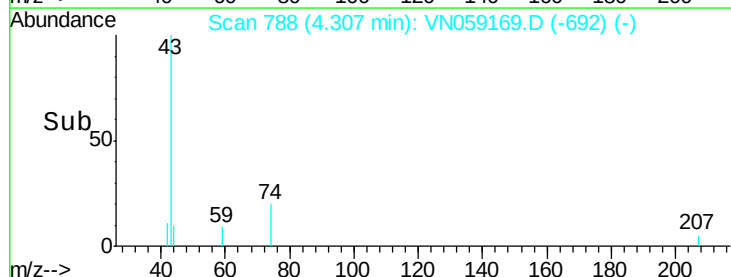
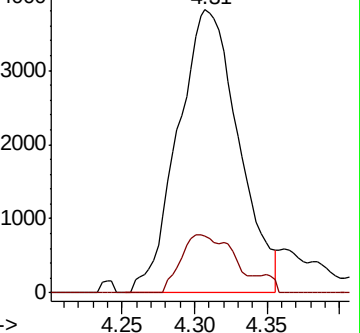
43 100

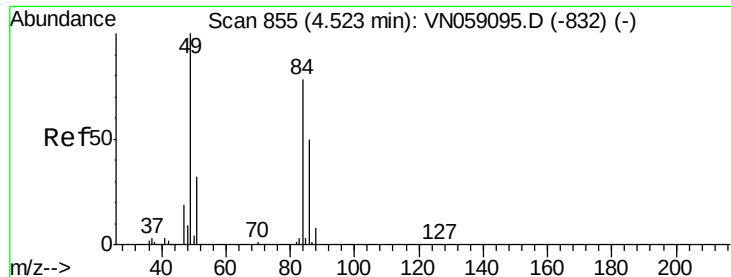
74 17.5 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059169.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059169.D (-692) (-)

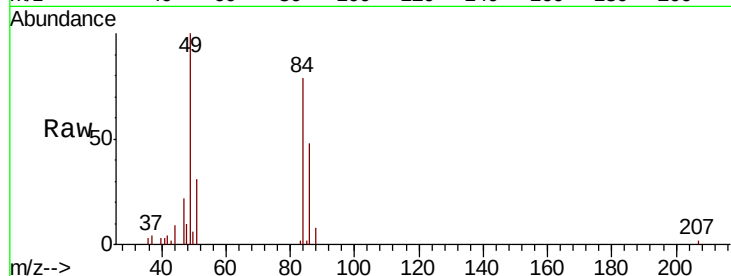




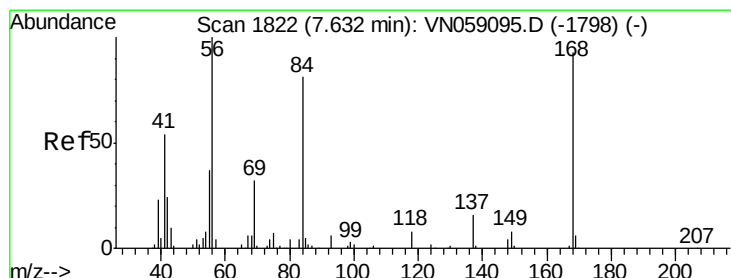
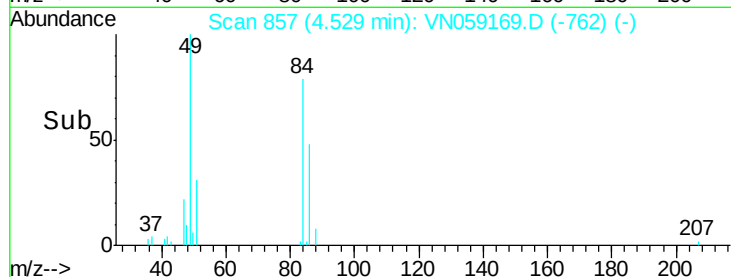
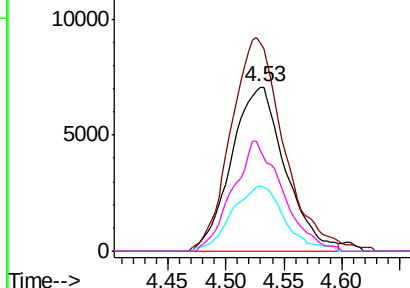
#20
Methylene Chloride
Concen: 4.830 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059169.D
Acq: 11 Nov 2019 18:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 22753
Ion Ratio Lower Upper
84 100
49 127.2 102.0 153.0
51 39.9 32.2 48.2
86 61.7 50.7 76.1

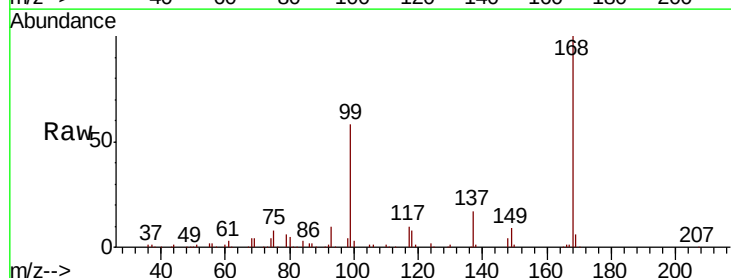


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

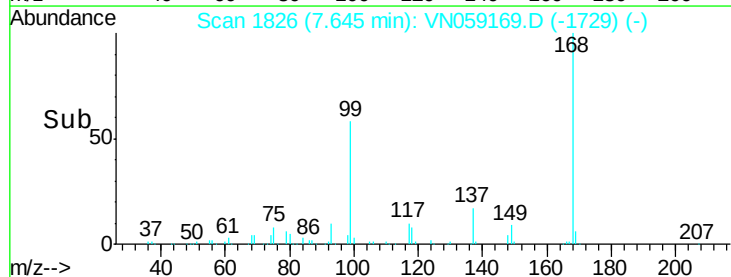
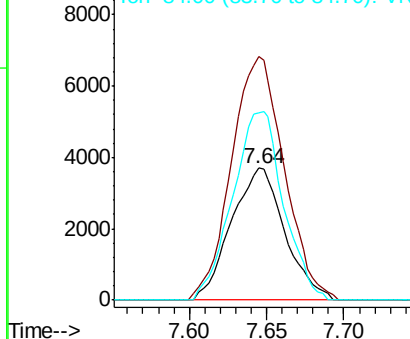


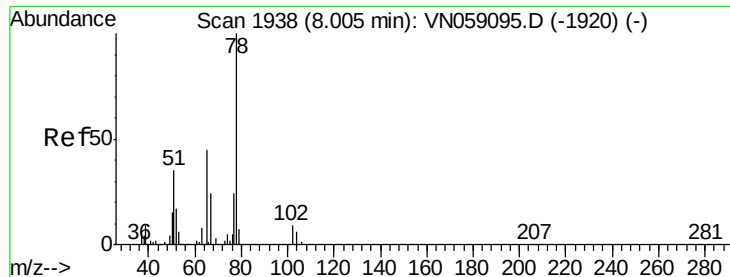
#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059169.D
Acq: 11 Nov 2019 18:14

Tgt Ion: 56 Resp: 8905
Ion Ratio Lower Upper
56 100
69 184.3 25.8 38.8#
84 141.8 65.0 97.4#



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

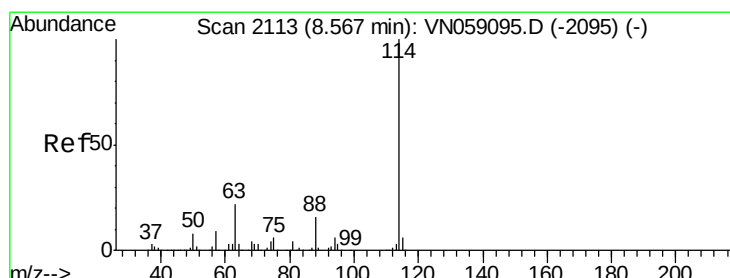
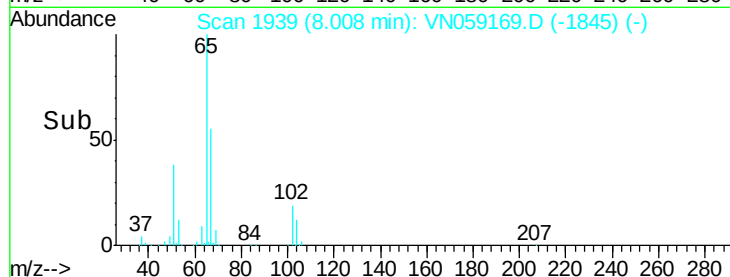
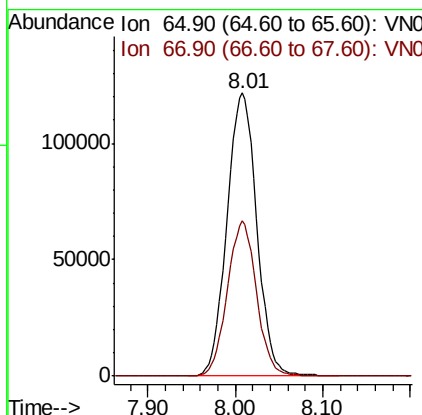
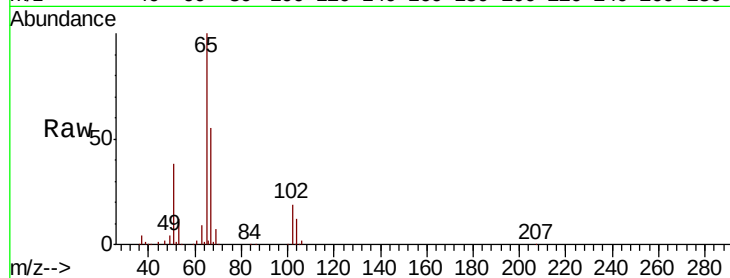




#33
 1,2-Dichloroethane-d4
 Concen: 55.446 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059169.D
 Acq: 11 Nov 2019 18:14

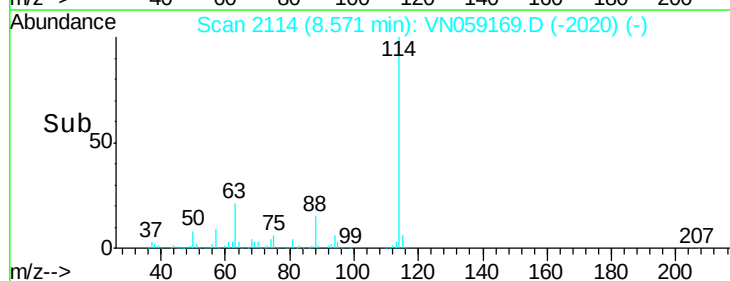
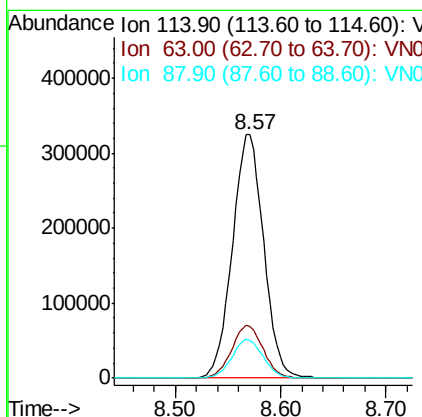
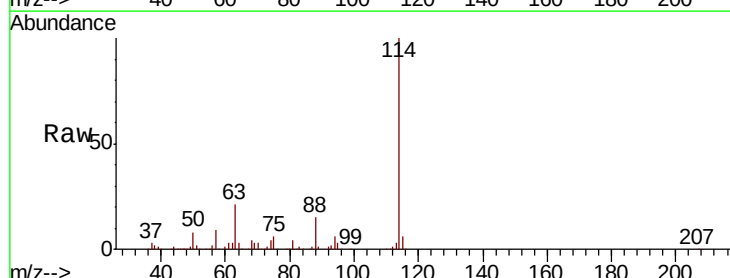
Instrument :
 MSVOA_N
 ClientSampled :

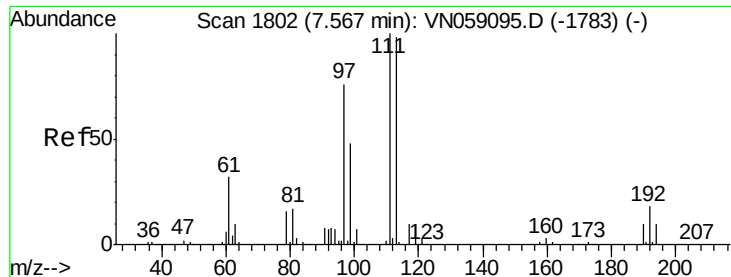
Tot Ion: 65 Resp: 288299
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059169.D
 Acq: 11 Nov 2019 18:14

Tgt Ion: 114 Resp: 667728
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 15.5 0.0 32.2

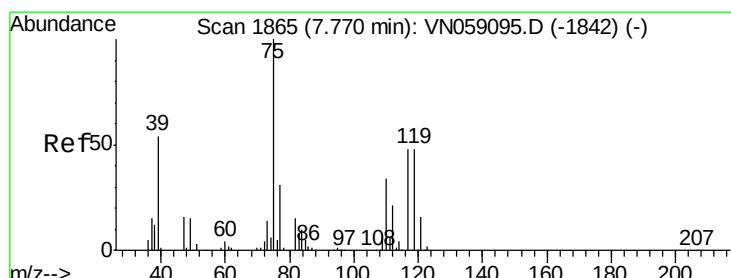
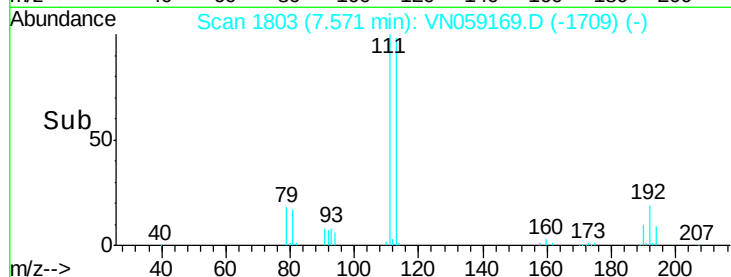
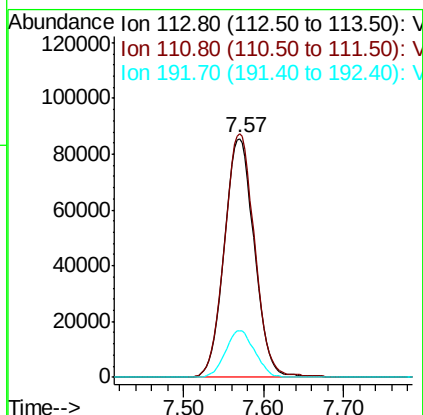
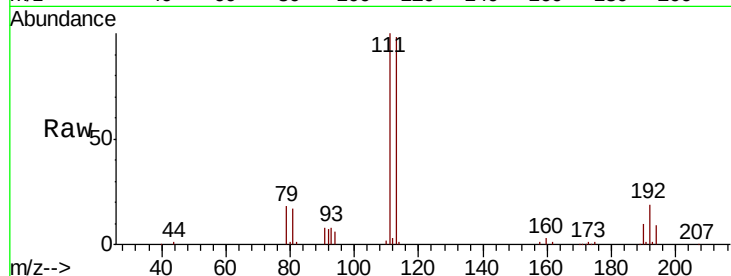




#35
 Dibromofluoromethane
 Concen: 54.972 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059169.D
 Acq: 11 Nov 2019 18:14

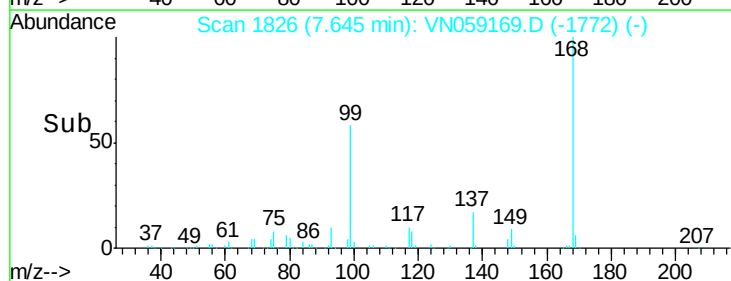
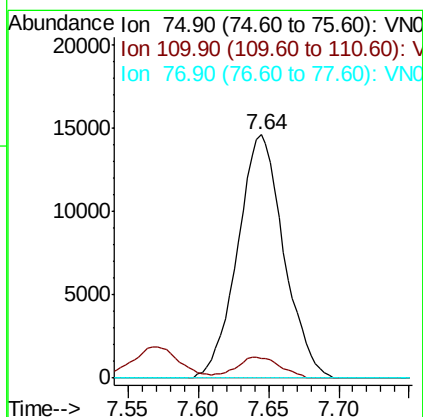
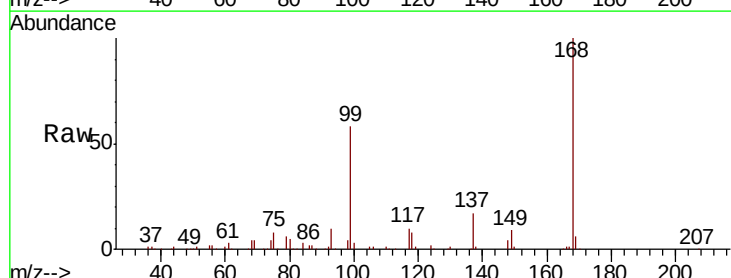
Instrument :
 MSVOA_N
 ClientSampleId :

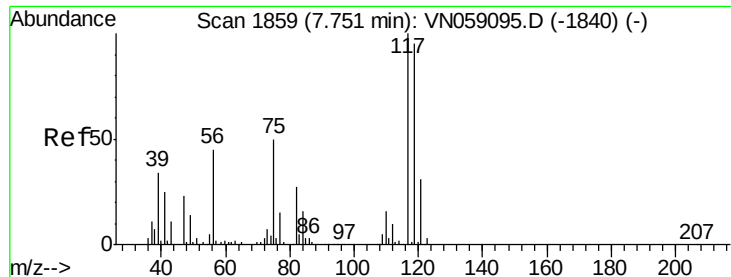
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.8	124.2
192	19.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.343 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059169.D
 Acq: 11 Nov 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.1	51.2#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

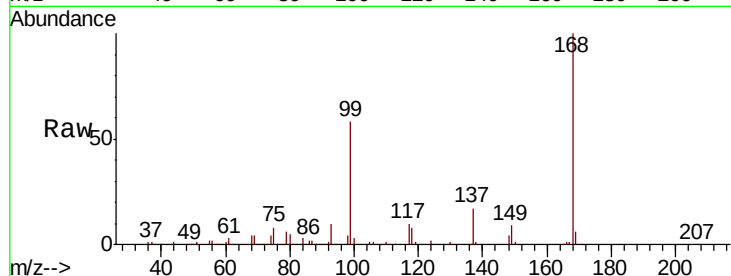
Tot Ion:117 Resp: 41552

Ion Ratio Lower Upper

117 100

119 5.8 75.6 113.4#

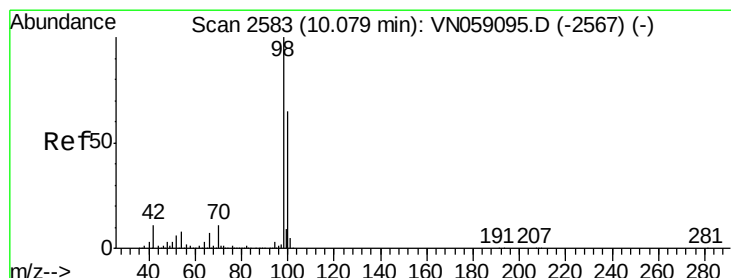
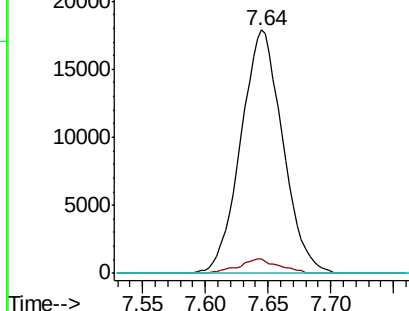
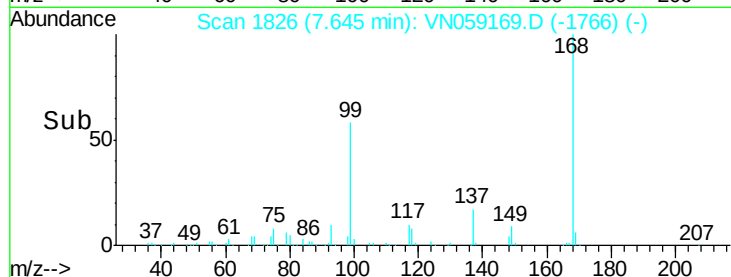
121 0.0 24.6 36.8#



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: 53.312 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059169.D

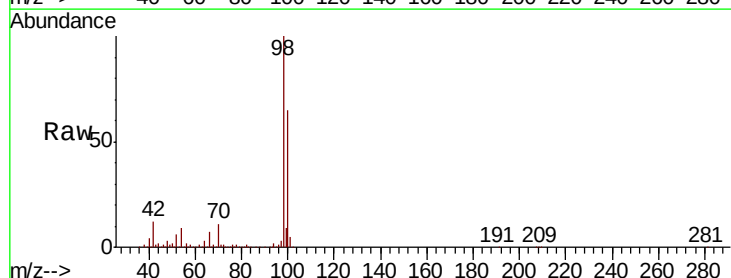
Acq: 11 Nov 2019 18:14

Tgt Ion: 98 Resp: 837227

Ion Ratio Lower Upper

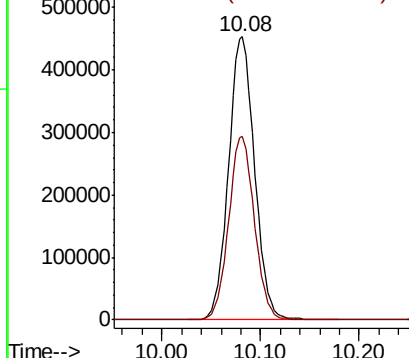
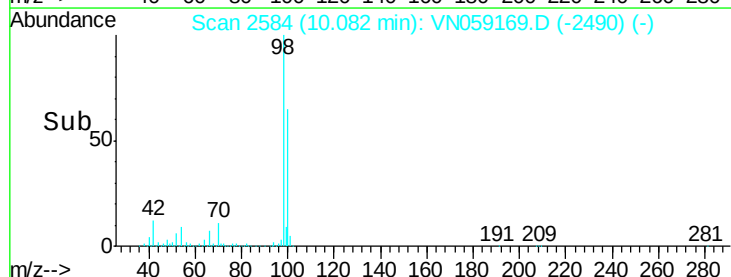
98 100

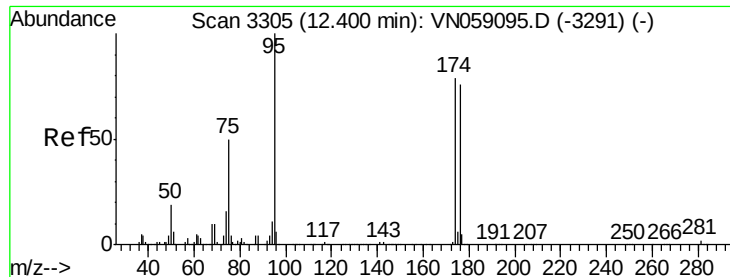
100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 46.861 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

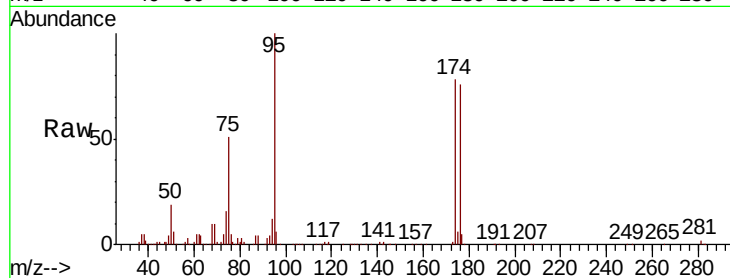
Tot Ion: 95 Resp: 265347

Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.2

176 76.4 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059169.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059169.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059169.D (-3291) (-)

12.40

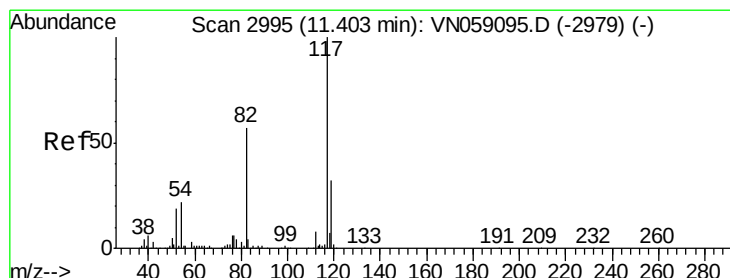
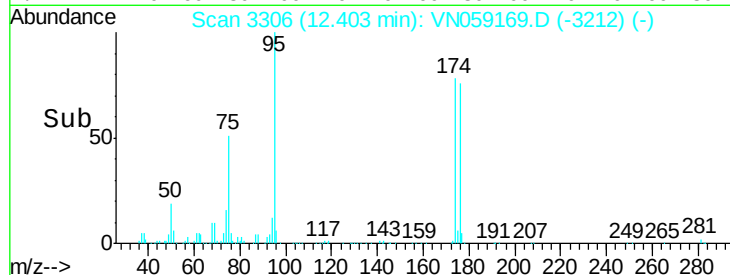
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

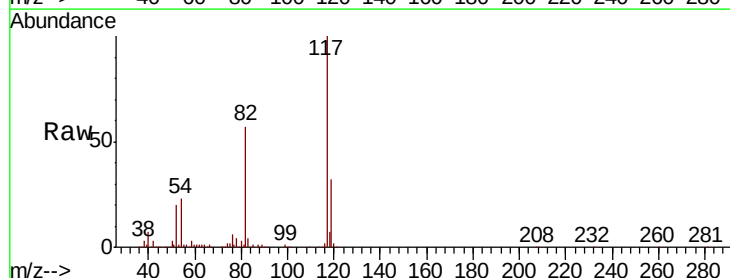
Tgt Ion: 117 Resp: 585568

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN059169.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059169.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059169.D (-2902) (-)

11.40

400000

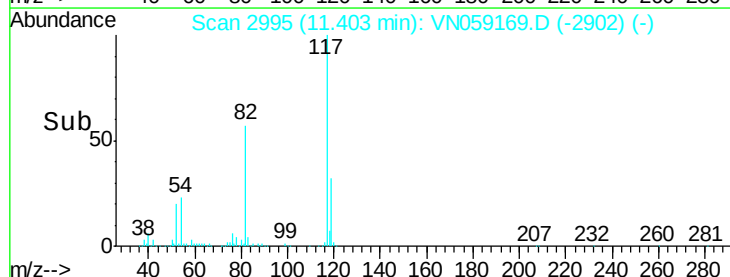
300000

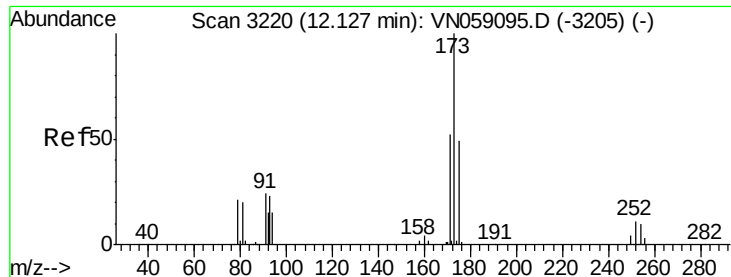
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.472 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

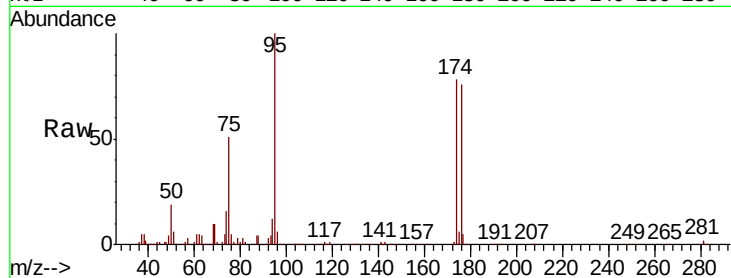
Tot Ion:173 Resp: 1573

Ion Ratio Lower Upper

173 100

175 820.7 24.2 72.6#

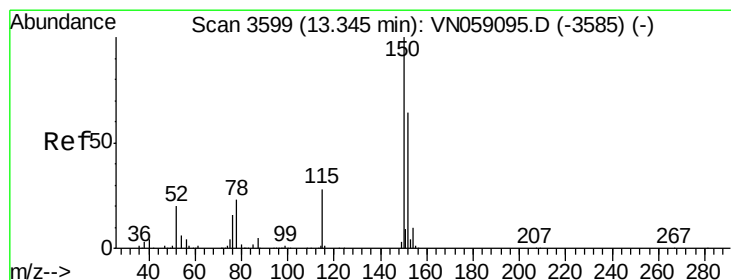
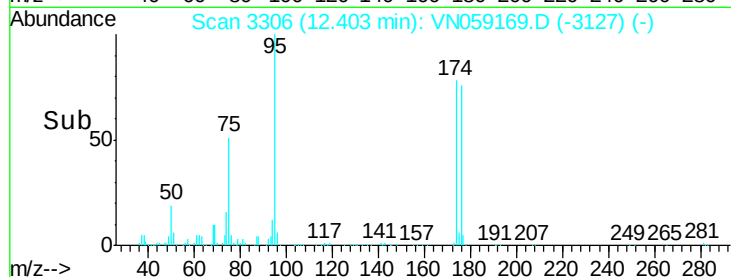
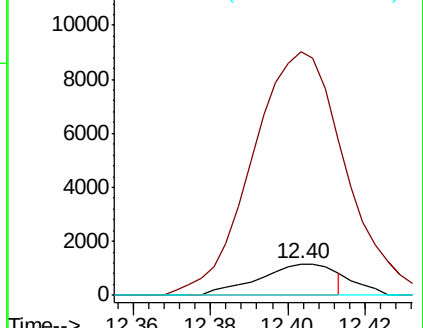
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

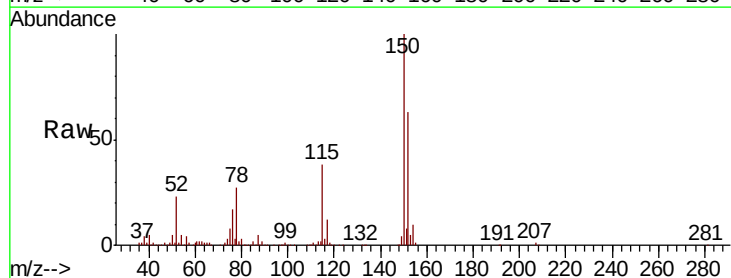
Tgt Ion:152 Resp: 213545

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

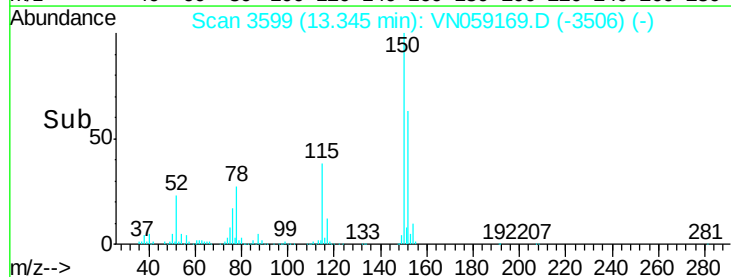
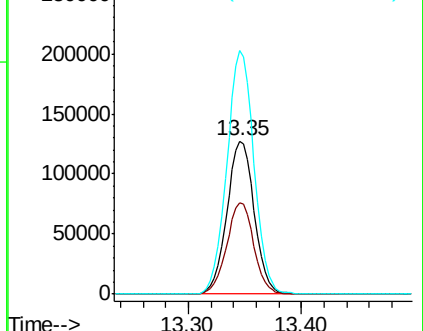
150 157.9 0.0 345.8

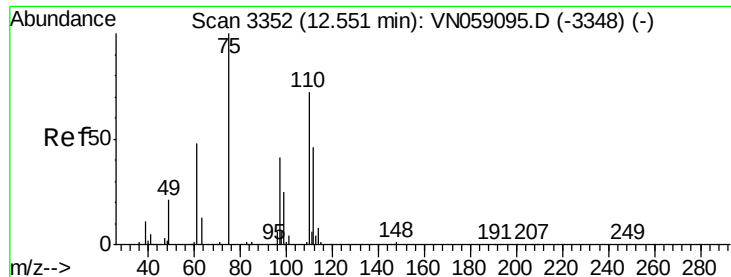


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.393 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

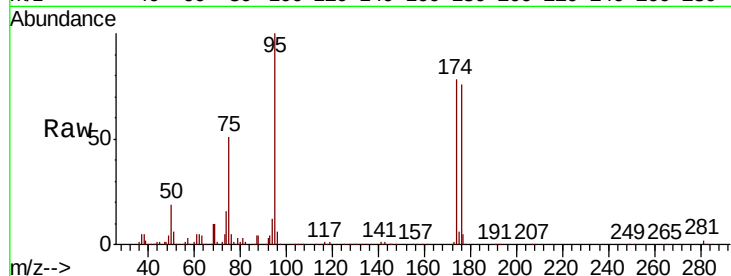
ClientSampled :

Tot Ion: 75 Resp: 133178

Ion Ratio Lower Upper

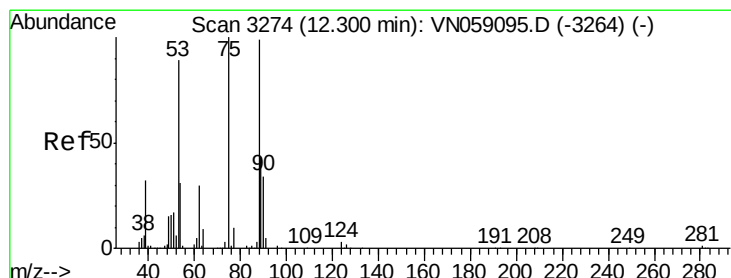
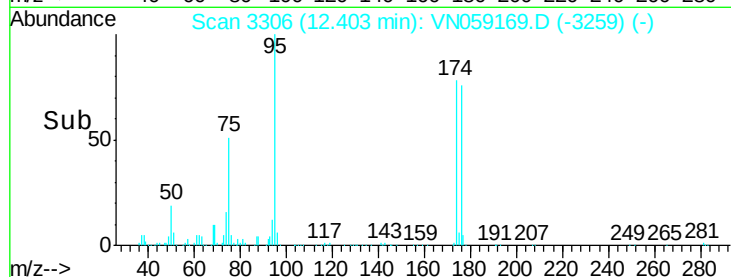
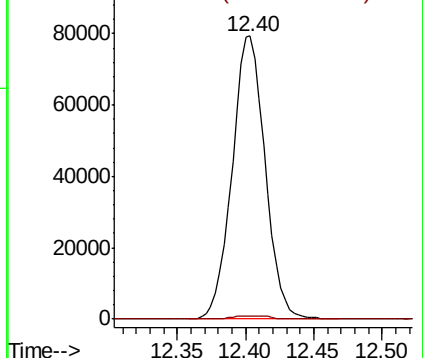
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 72.353 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

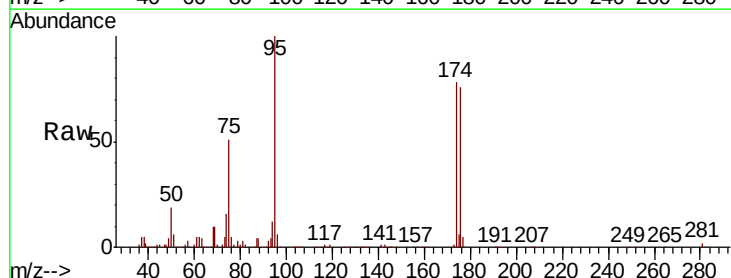
Tgt Ion: 75 Resp: 133178

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

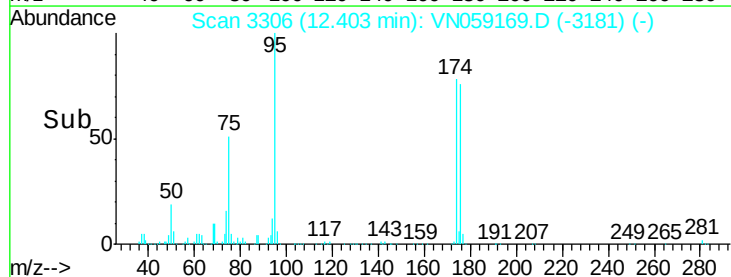
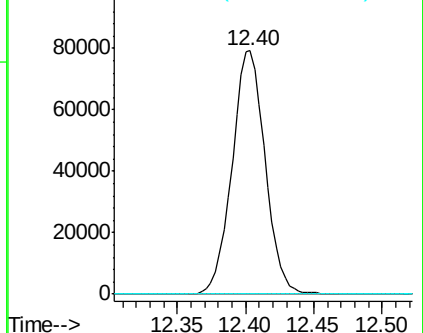
89 0.0 35.8 53.8#

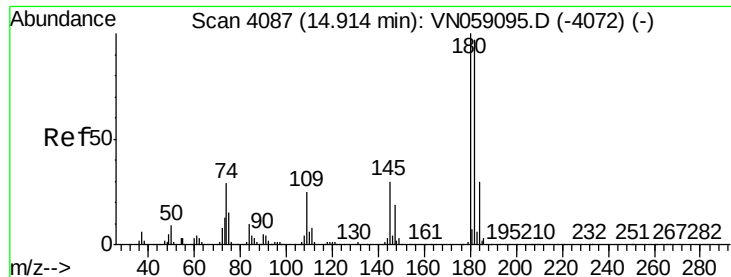


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

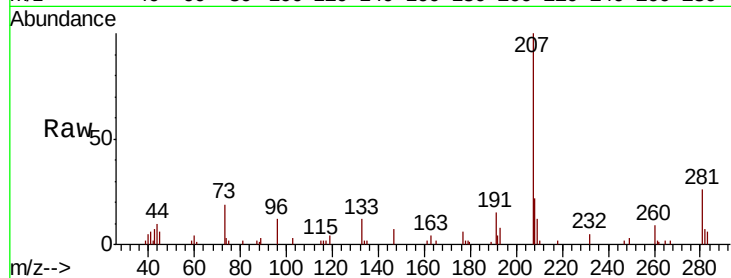




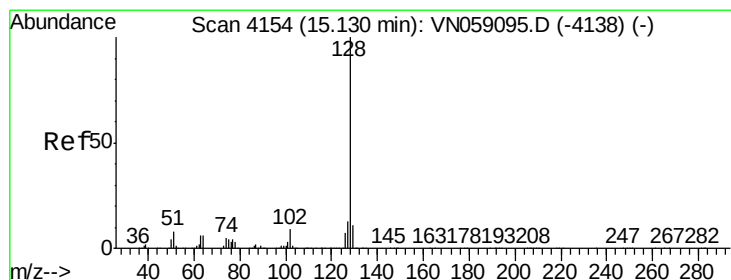
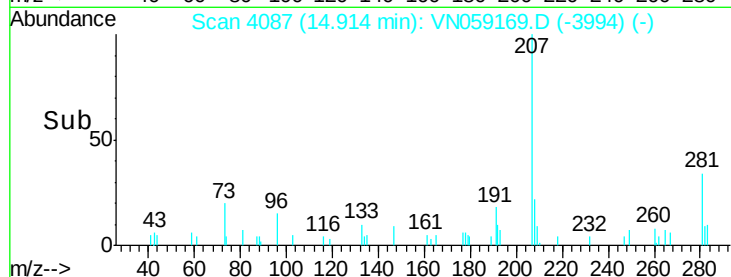
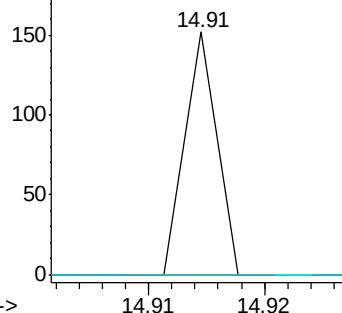
#93
 1,2,4-Trichlorobenzene
 Concen: 3.053 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059169.D
 Acq: 11 Nov 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	15.1	45.3#

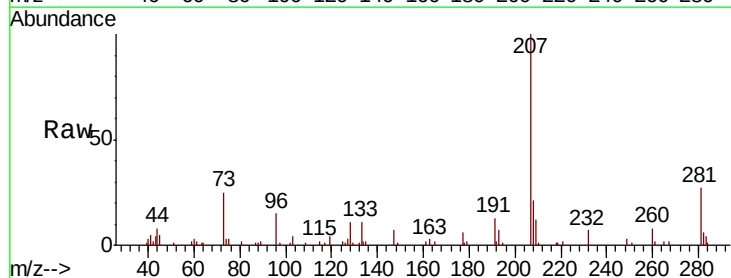


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.297 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059169.D
 Acq: 11 Nov 2019 18:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.2
129	3.4	8.6	12.8#



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

