

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059157.D
 Acq On : 11 Nov 2019 13:47
 Operator : JC/SP
 Sample : K5769-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:41:46 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	459425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	708715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	616473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223324	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	302529	53.57	ug/l	0.00
Spiked Amount						
			Recovery	=	107.14%	
35) Dibromofluoromethane	7.57	113	225538	53.30	ug/l	0.00
Spiked Amount						
			Recovery	=	106.60%	
50) Toluene-d8	10.08	98	881383	52.88	ug/l	0.00
Spiked Amount						
			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.40	95	281953	46.91	ug/l	0.00
Spiked Amount						
			Recovery	=	93.82%	

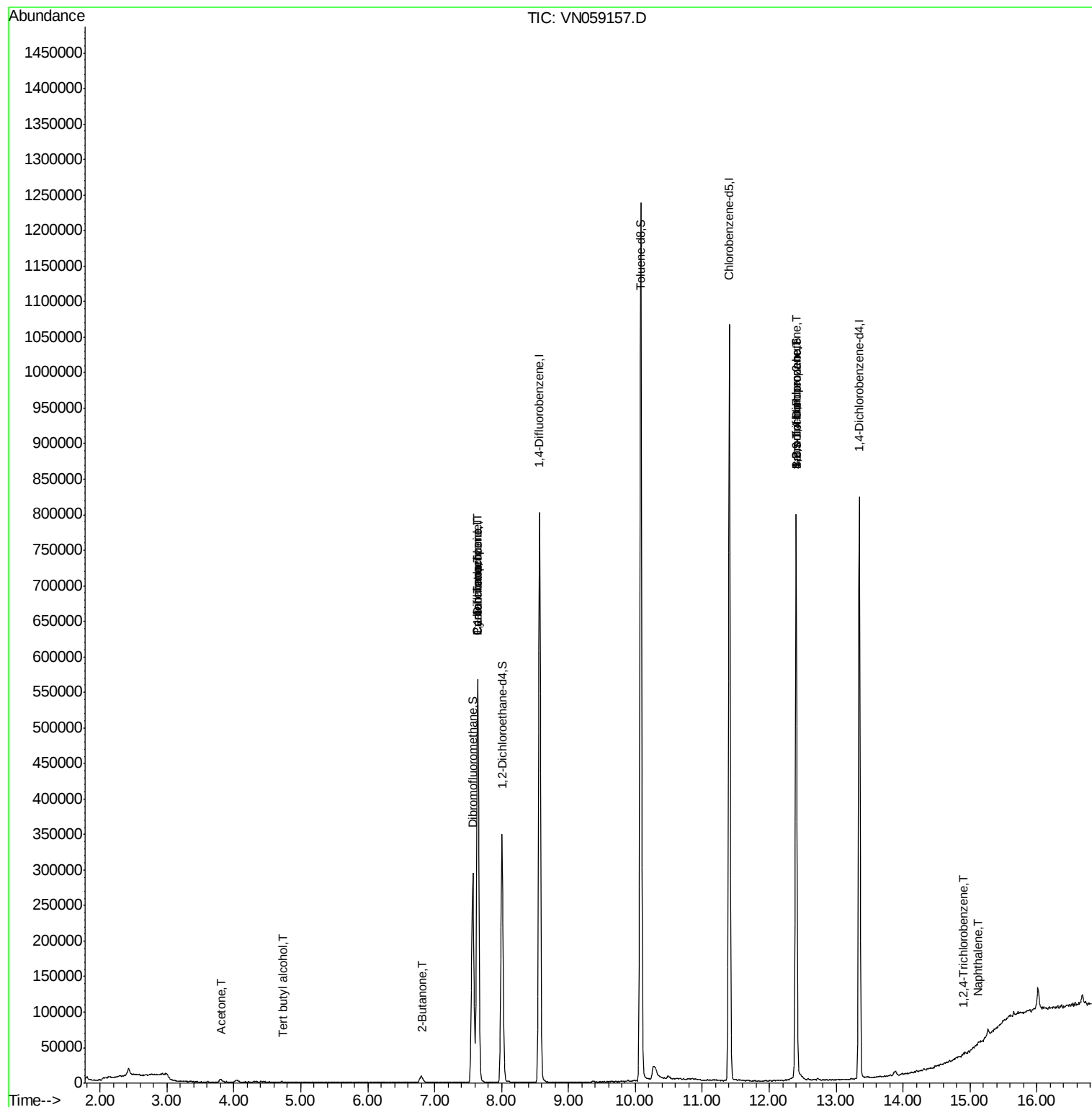
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	663	0.616	ug/l #	72
16) Acetone	3.79	43	3593	1.223	ug/l	97
25) 2-Butanone	6.82	43	802	0.207	ug/l #	50
31) Cyclohexane	7.64	56	9714	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35889	5.418	ug/l #	50
38) Carbon Tetrachloride	7.64	117	44123	6.692	ug/l #	17
71) Bromoform	12.40	173	1481	0.422	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	142816	28.089	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	142816	74.192	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	138	3.077	ug/l #	12
95) Naphthalene	15.13	128	1085	3.133	ug/l #	82

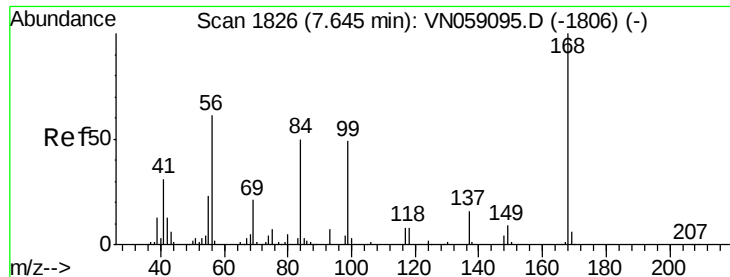
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059157.D

Acq: 11 Nov 2019 13:47

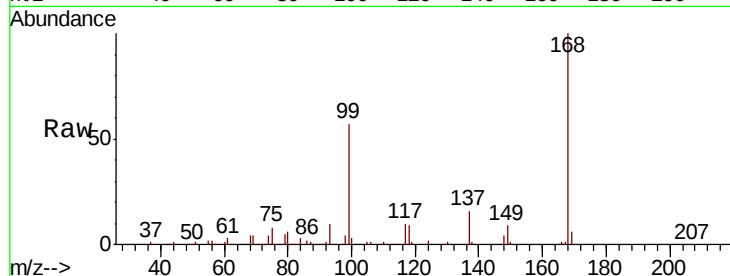
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 459425

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

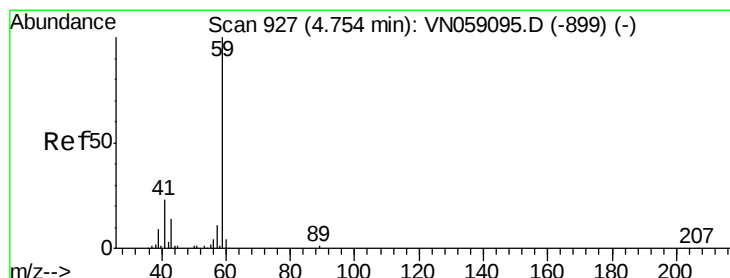
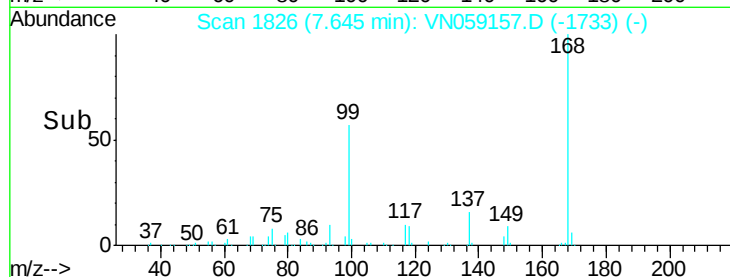
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.616 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.02 min

Lab File: VN059157.D

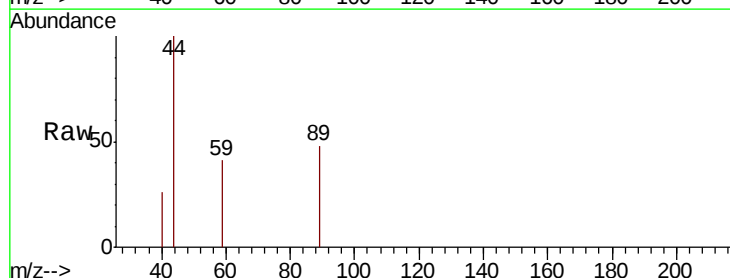
Acq: 11 Nov 2019 13:47

Tgt Ion: 59 Resp: 663

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

4.73

500

400

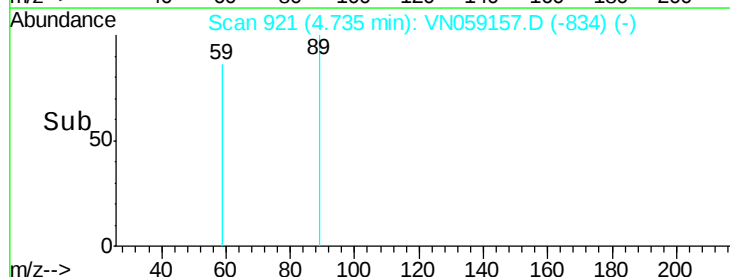
300

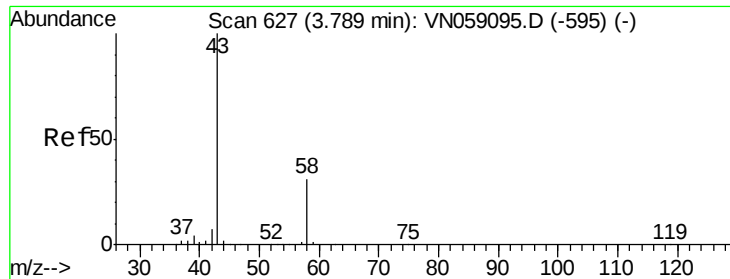
200

100

0

Time-->





#16

Acetone

Concen: 1.223 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059157.D

Acq: 11 Nov 2019 13:47

Instrument :

MSVOA_N

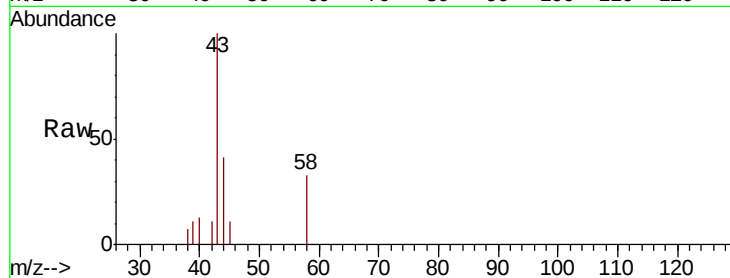
ClientSampled :

Tot Ion: 43 Resp: 3593

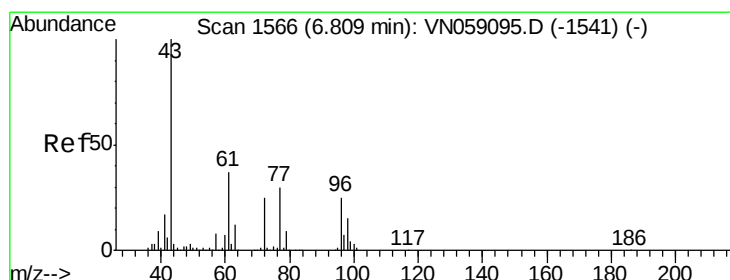
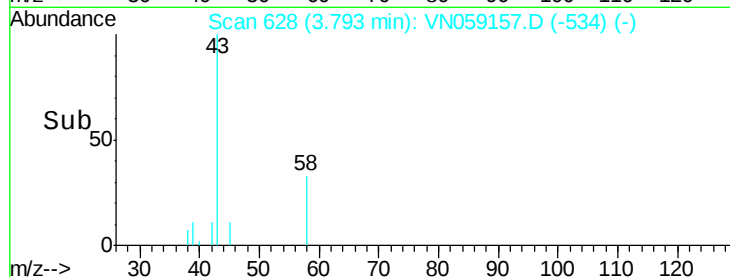
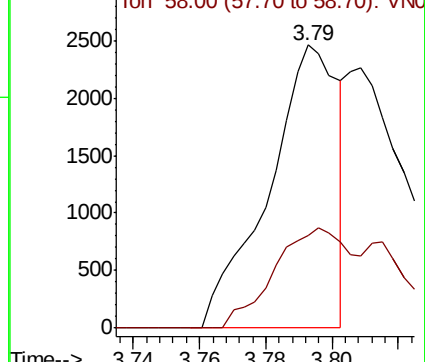
Ion Ratio Lower Upper

43 100

58 32.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059157.D (-534) (-)



#25

2-Butanone

Concen: 0.207 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN059157.D

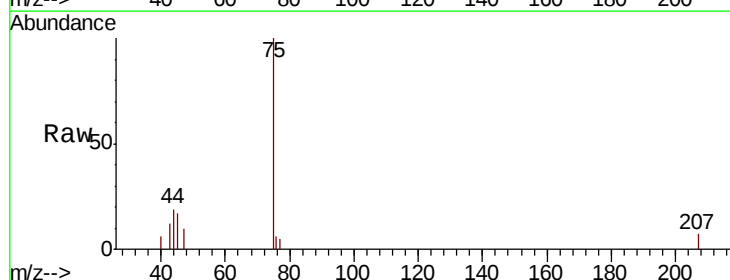
Acq: 11 Nov 2019 13:47

Tgt Ion: 43 Resp: 802

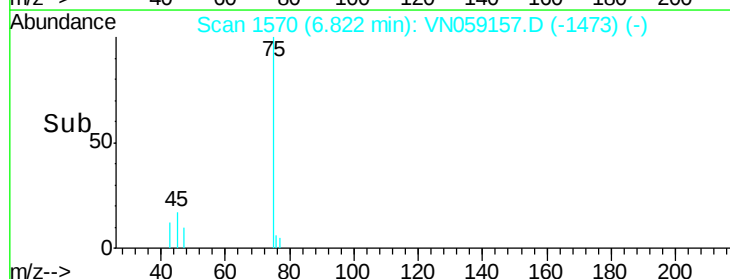
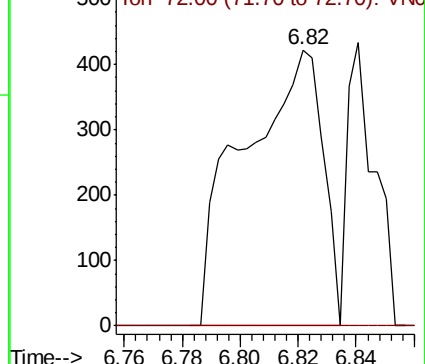
Ion Ratio Lower Upper

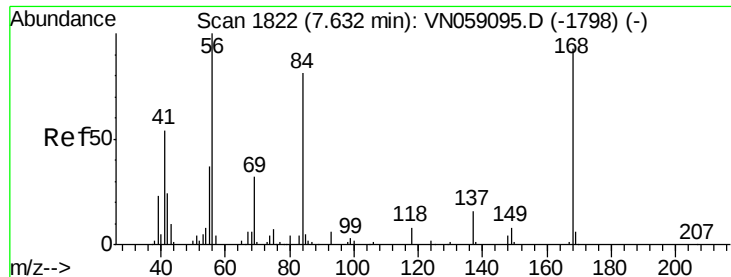
43 100

72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN059157.D (-1473) (-)

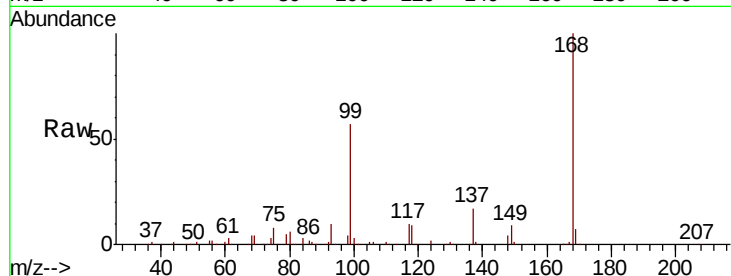




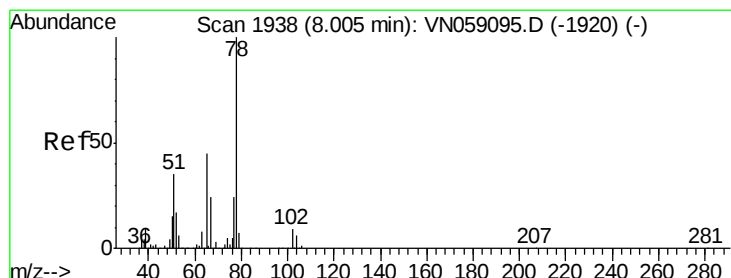
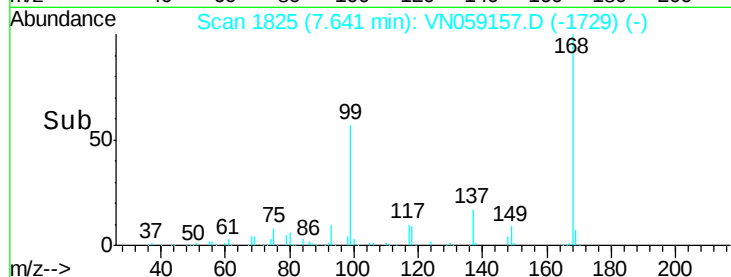
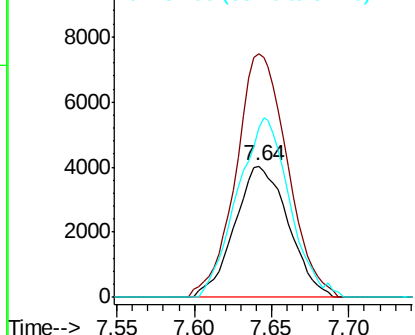
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059157.D
Acq: 11 Nov 2019 13:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9714
Ion Ratio Lower Upper
56 100
69 185.4 25.8 38.8#
84 128.6 65.0 97.4#

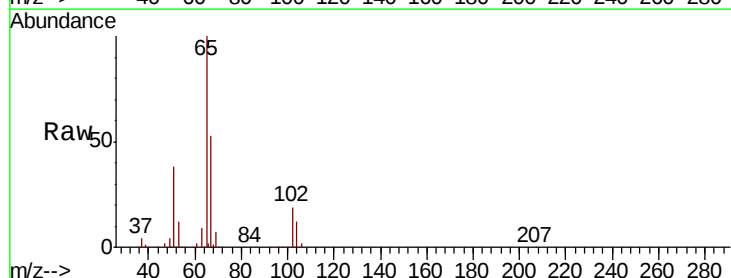


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

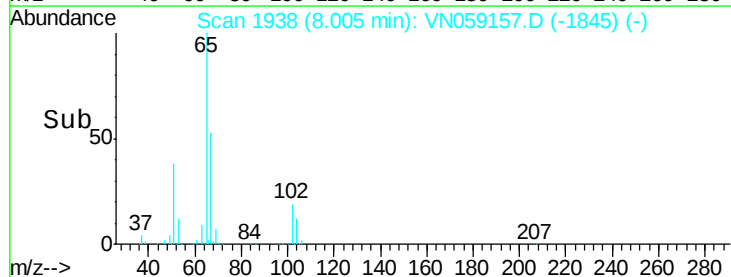
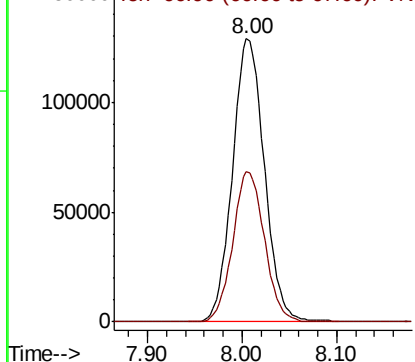


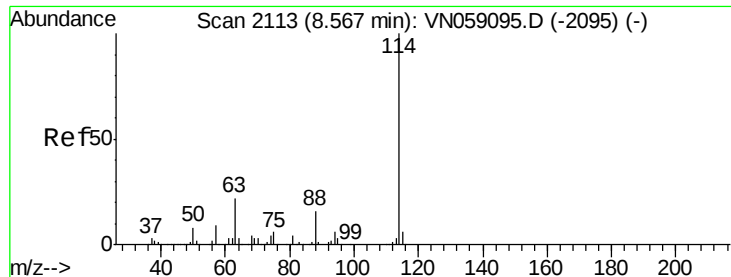
#33
1,2-Dichloroethane-d4
Concen: 53.568 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059157.D
Acq: 11 Nov 2019 13:47

Tgt Ion: 65 Resp: 302529
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

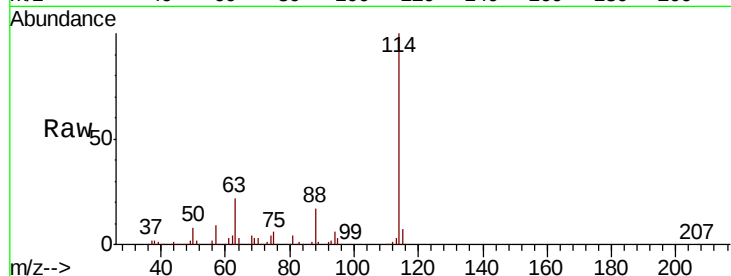




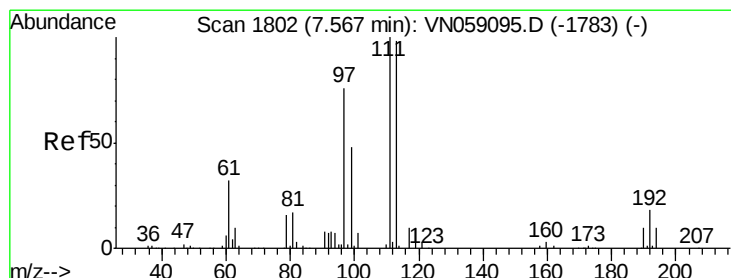
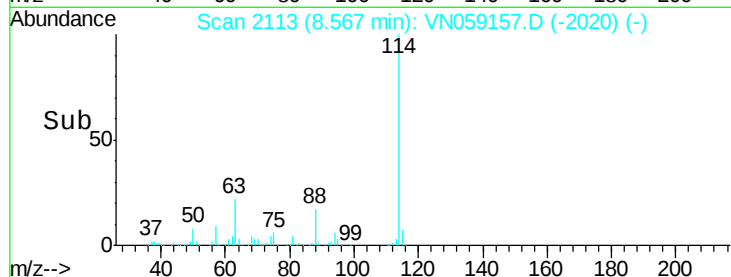
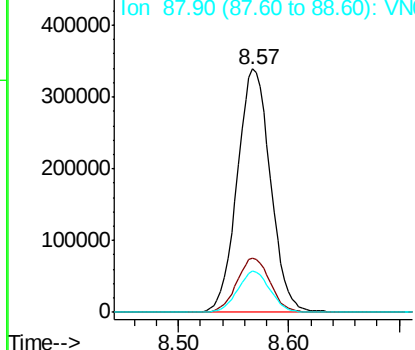
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059157.D
 Acq: 11 Nov 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.4
88	17.0	0.0	32.2

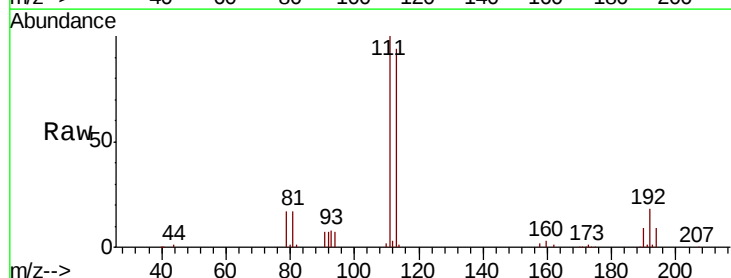


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

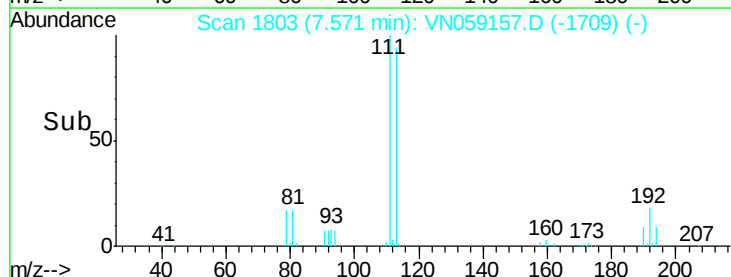
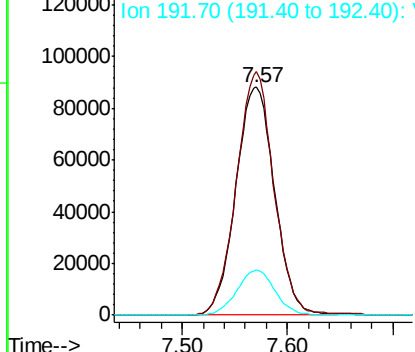


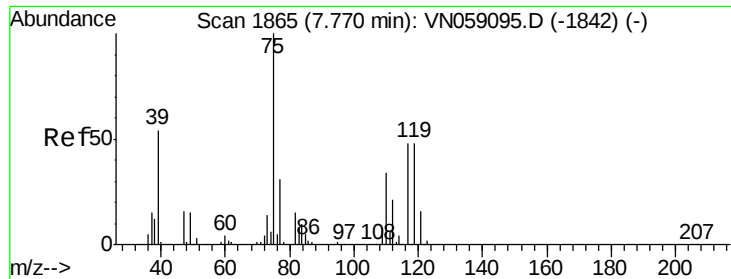
#35
 Dibromofluoromethane
 Concen: 53.297 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059157.D
 Acq: 11 Nov 2019 13:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	19.4	16.1	24.1



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

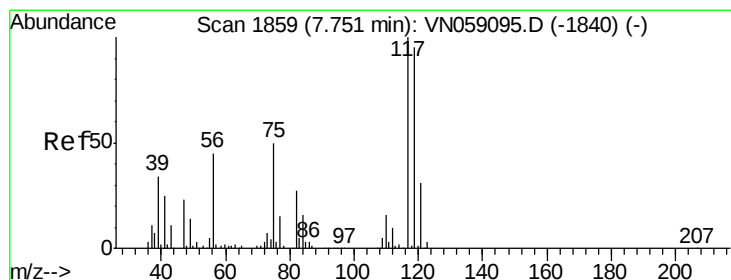
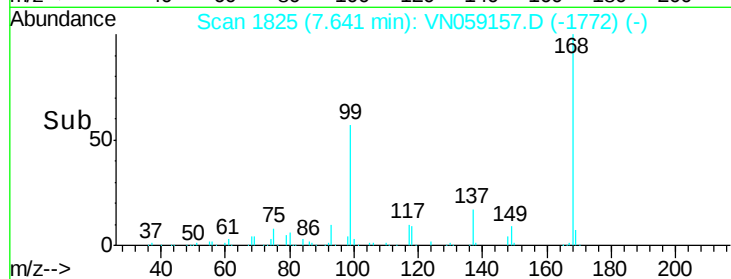
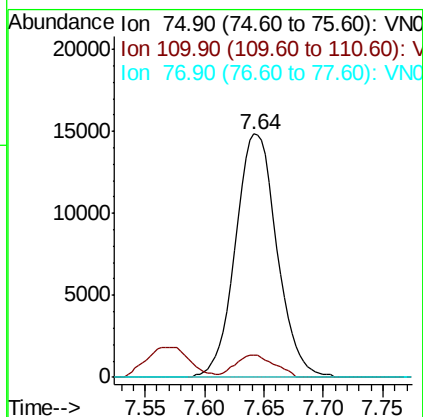
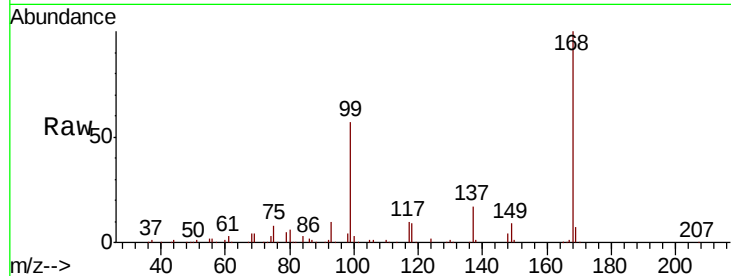




#36
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059157.D
 Acq: 11 Nov 2019 13:47

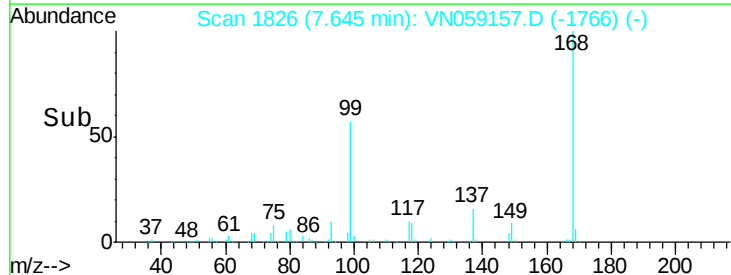
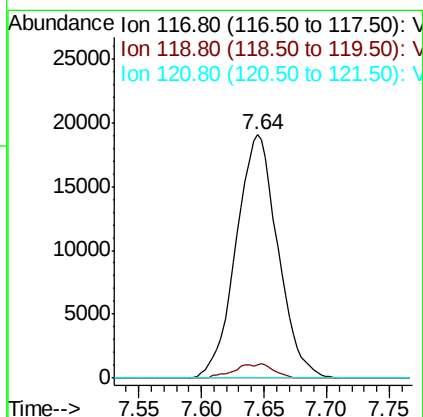
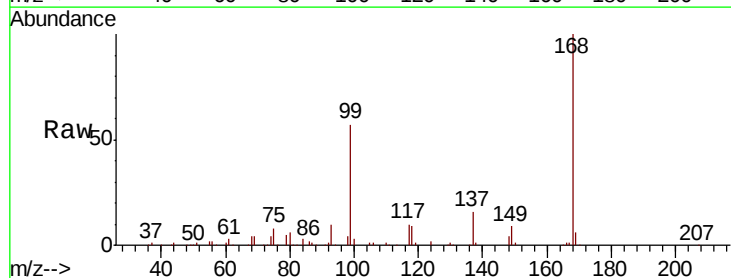
Instrument :
 MSVOA_N
 ClientSampled :

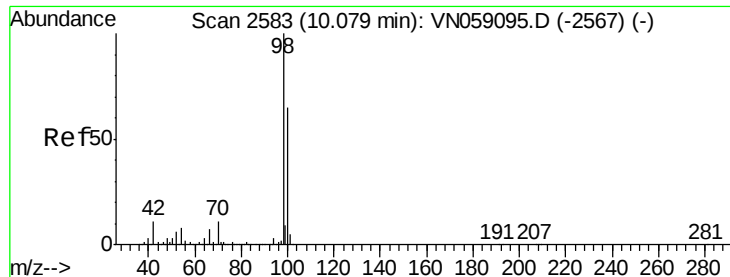
Tot Ion	75	Resp	35889
Ion Ratio	Lower	Upper	
75	100		
110	8.7	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.692 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059157.D
 Acq: 11 Nov 2019 13:47

Tgt Ion	117	Resp	44123
Ion Ratio	Lower	Upper	
117	100		
119	5.4	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 52.878 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059157.D

Acq: 11 Nov 2019 13:47

Instrument :

MSVOA_N

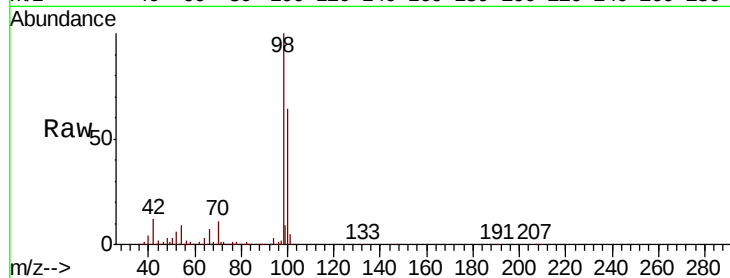
ClientSampled :

Tot Ion: 98 Resp: 881383

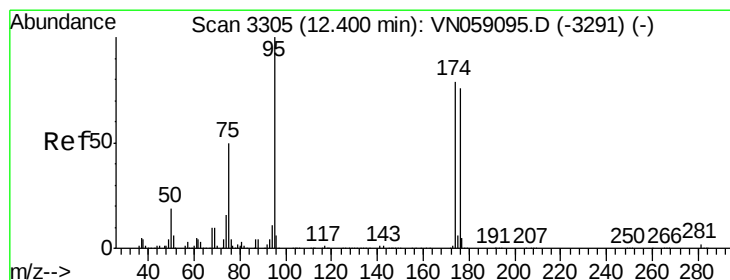
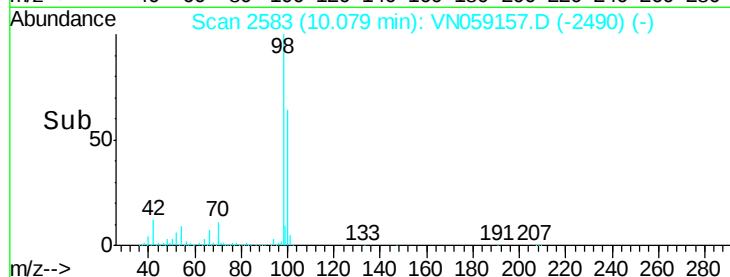
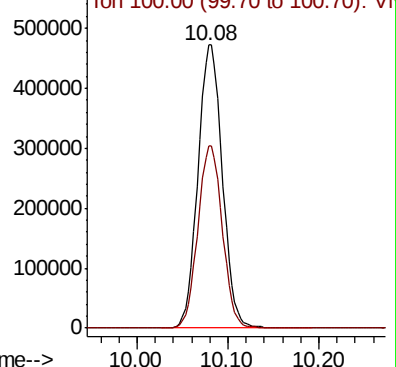
Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059157.D (-2490) (-)



#62

4-Bromofluorobenzene

Concen: 46.914 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059157.D

Acq: 11 Nov 2019 13:47

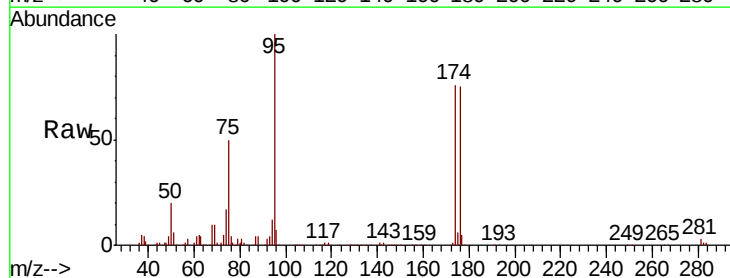
Tgt Ion: 95 Resp: 281953

Ion Ratio Lower Upper

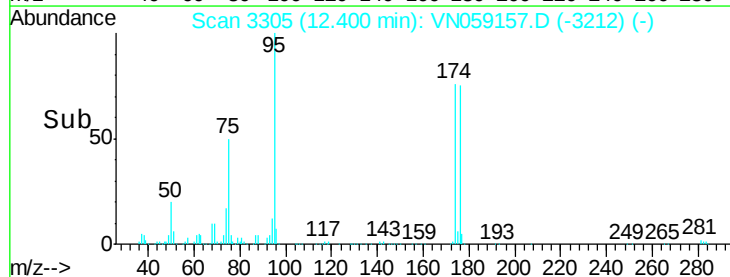
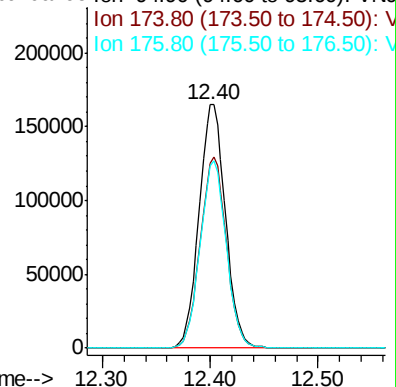
95 100

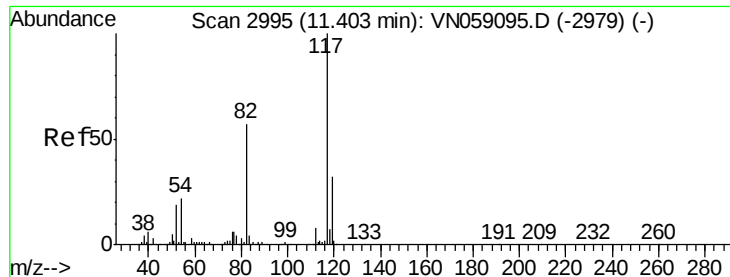
174 77.8 0.0 158.2

176 75.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059157.D (-3212) (-)

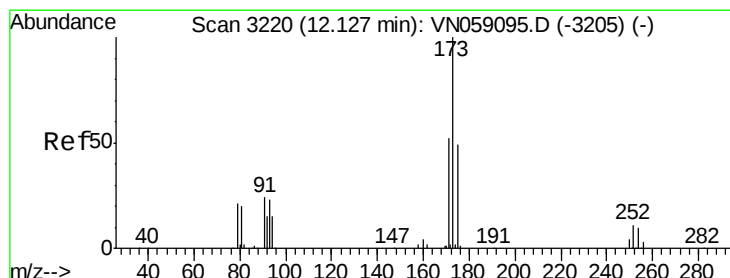
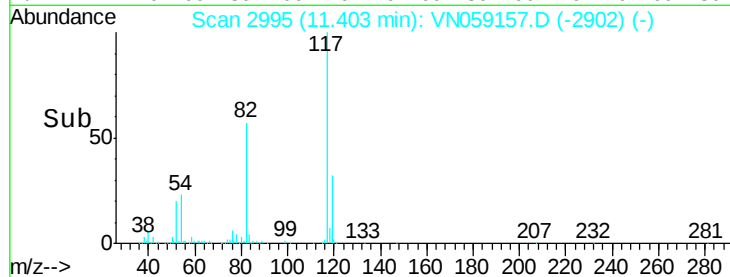
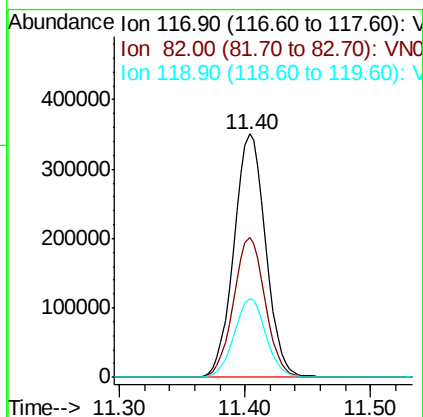
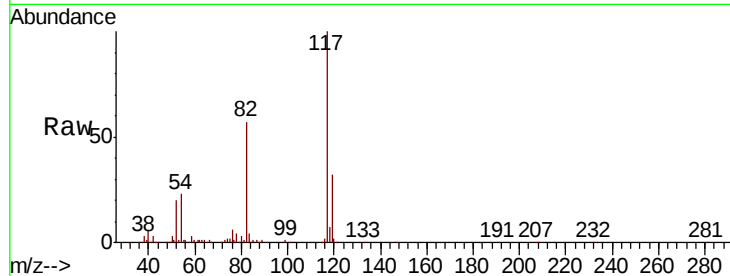




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059157.D
Acq: 11 Nov 2019 13:47

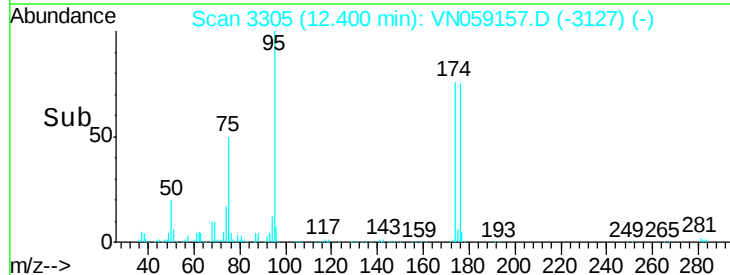
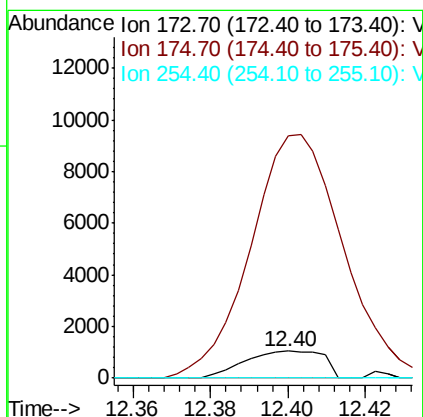
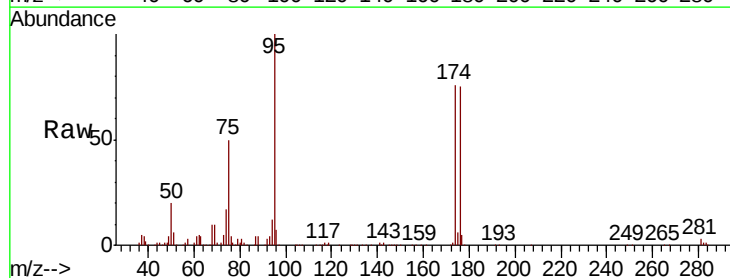
Instrument :
MSVOA_N
ClientSampleId :

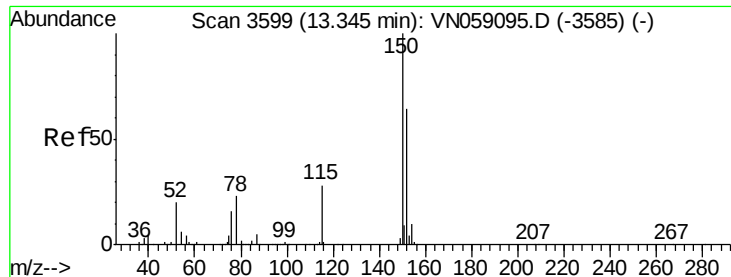
Tot Ion:117 Resp: 616473
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.8
119 32.4 25.8 38.6



#71
Bromoform
Concen: 0.422 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059157.D
Acq: 11 Nov 2019 13:47

Tgt Ion:173 Resp: 1481
Ion Ratio Lower Upper
173 100
175 908.9 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059157.D

Acq: 11 Nov 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

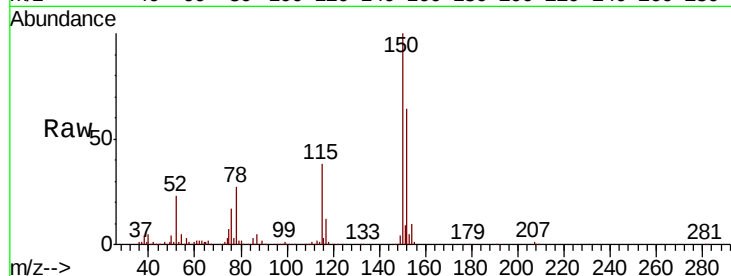
Tot Ion:152 Resp: 223324

Ion Ratio Lower Upper

152 100

115 60.0 29.4 88.2

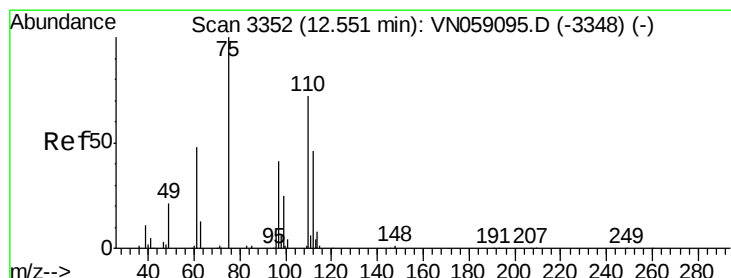
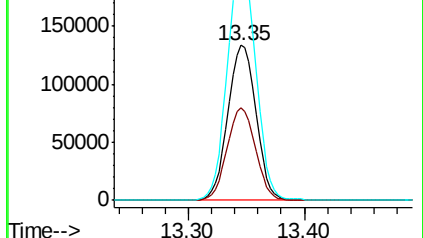
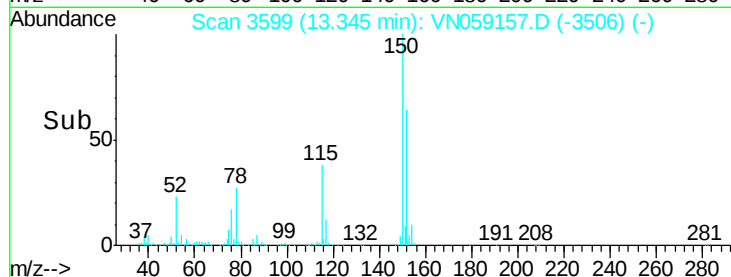
150 155.8 0.0 345.8



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: 28.089 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059157.D

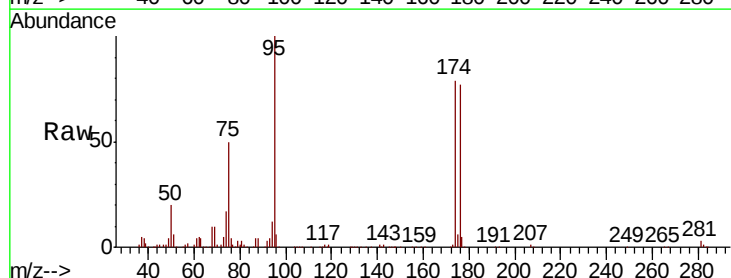
Acq: 11 Nov 2019 13:47

Tgt Ion: 75 Resp: 142816

Ion Ratio Lower Upper

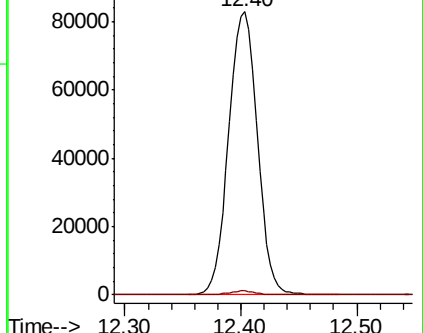
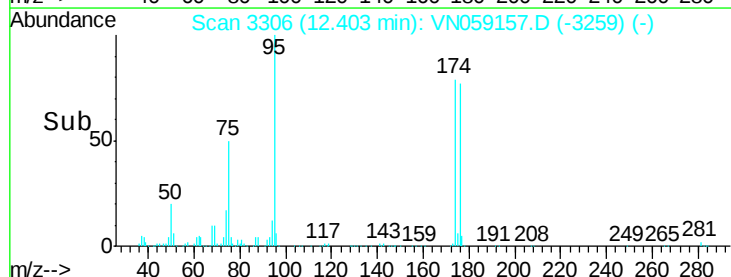
75 100

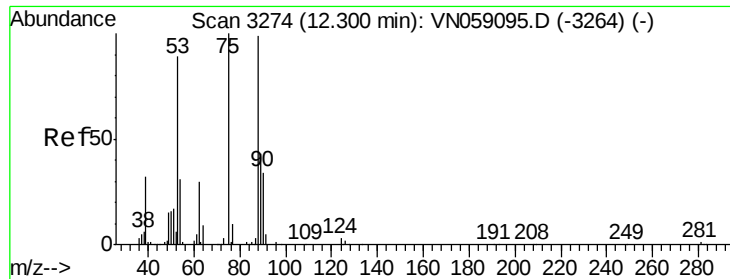
77 1.3 0.0 0.0#



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: 74.192 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059157.D

Acq: 11 Nov 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

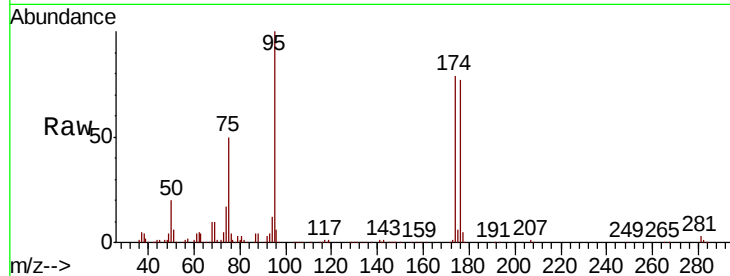
Tot Ion: 75 Resp: 142816

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

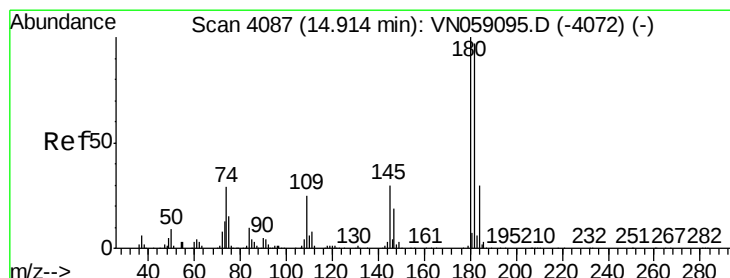
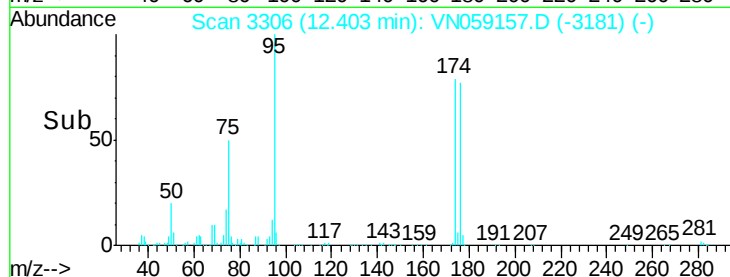
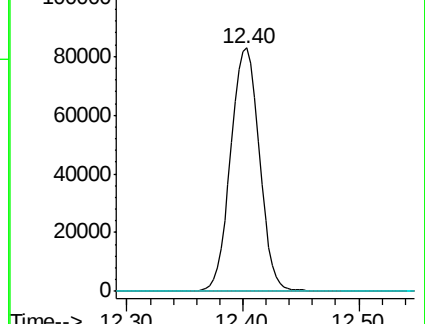
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059095.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059095.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.077 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059157.D

Acq: 11 Nov 2019 13:47

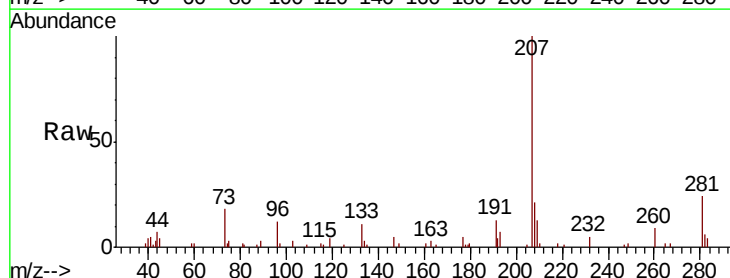
Tgt Ion: 180 Resp: 138

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

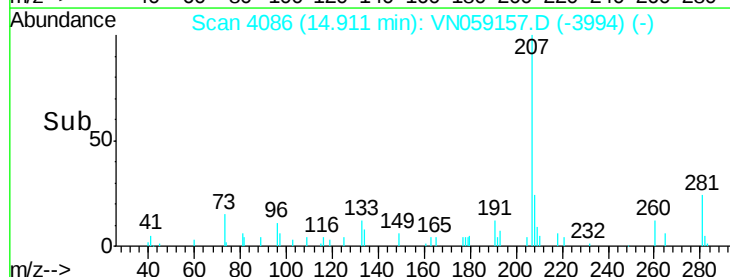
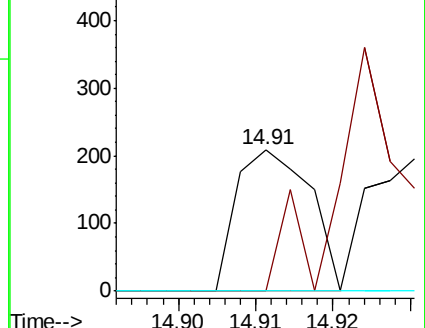
145 0.0 15.1 45.3#

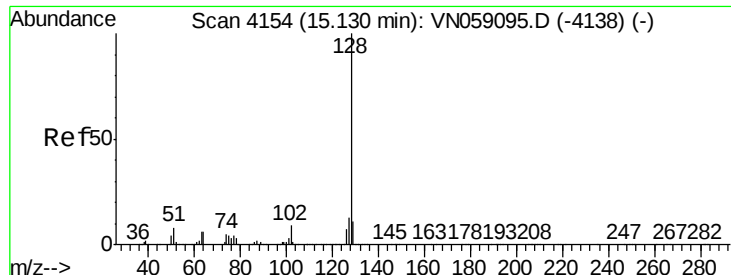


Abundance Ion 179.80 (179.50 to 180.50): VN059095.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059095.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059095.D (-4072) (-)

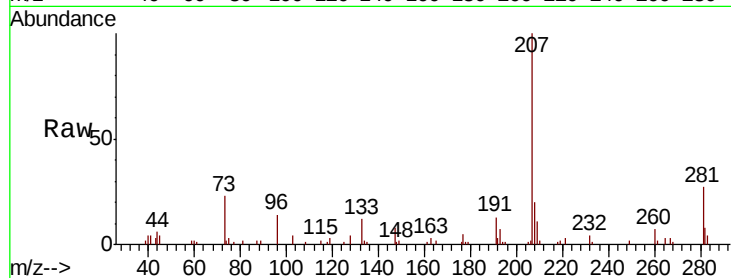




#95
Naphthalene
Concen: 3.133 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059157.D
Acq: 11 Nov 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.2	15.2#
129	0.0	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

