

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059197.D
 Acq On : 12 Nov 2019 17:42
 Operator : JC/SP
 Sample : K5799-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:42:04 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	408525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	206388	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	272850	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	
35) Dibromofluoromethane	7.57	113	205175	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
50) Toluene-d8	10.08	98	790169	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	250225	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	

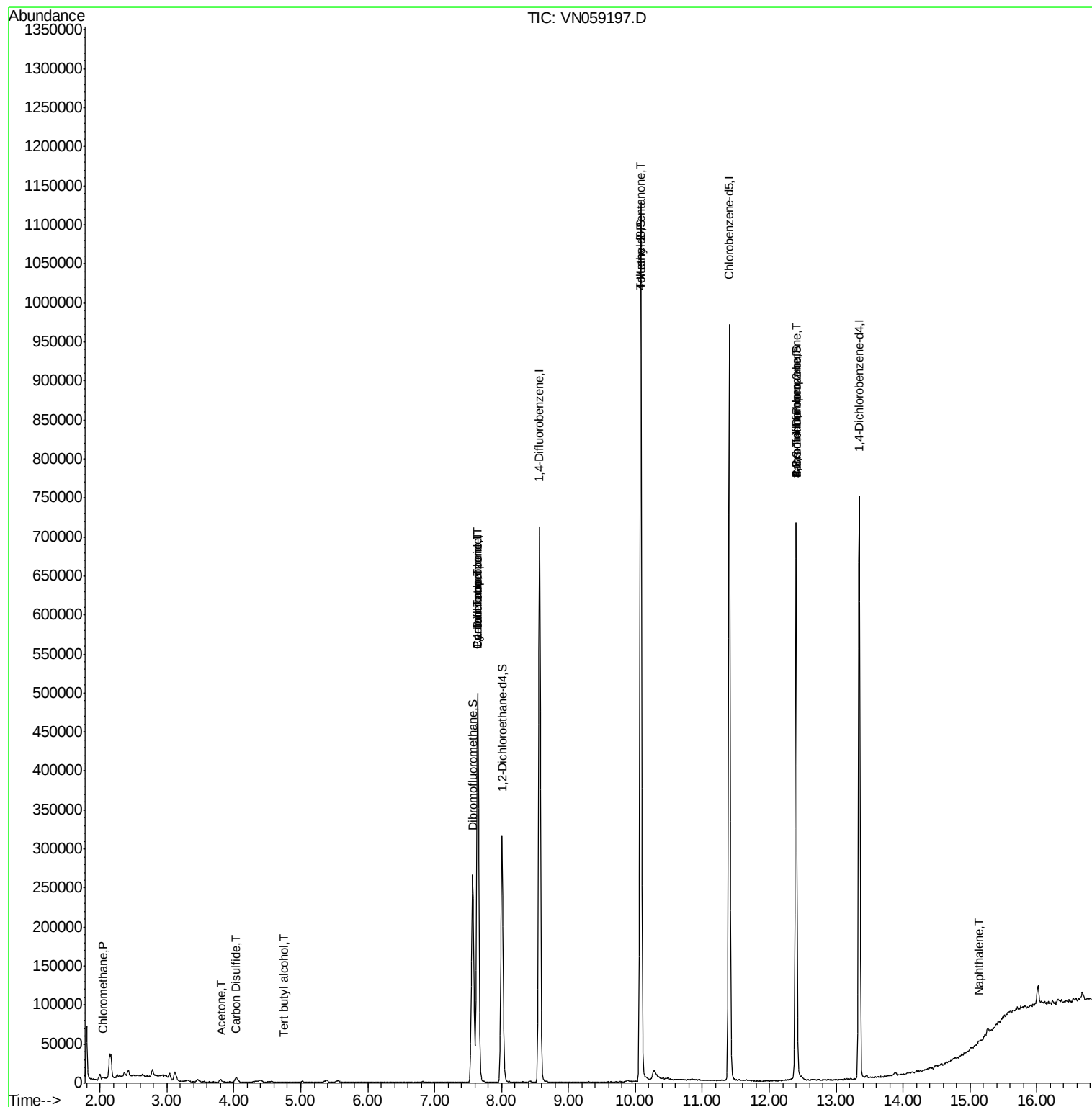
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1397	0.250	ug/l	99
11) Tert butyl alcohol	4.75	59	236	0.247	ug/l #	72
16) Acetone	3.81	43	5205	1.993	ug/l	90
17) Carbon Disulfide	4.03	76	5455	0.461	ug/l	95
31) Cyclohexane	7.64	56	8896	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32250	5.404	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39239	6.606	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3598	0.601	ug/l #	1
71) Bromoform	12.40	173	1714	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	125928	26.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125928	70.787	ug/l #	13
95) Naphthalene	15.13	128	1565	3.182	ug/l #	79

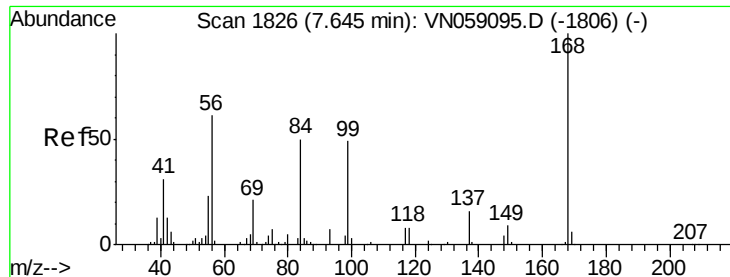
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059197.D

Acq: 12 Nov 2019 17:42

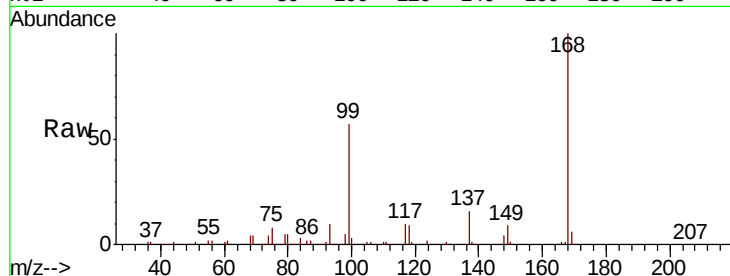
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 408525

Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

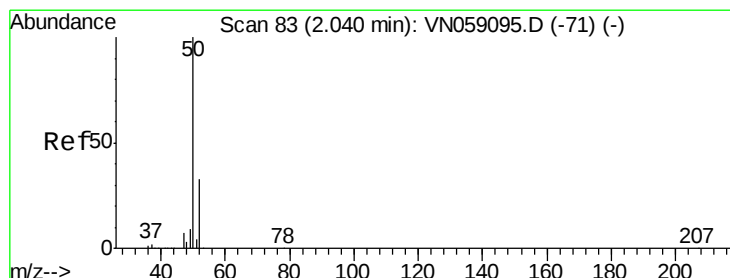
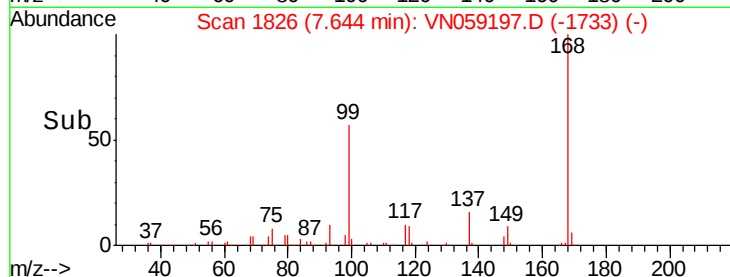
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.250 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059197.D

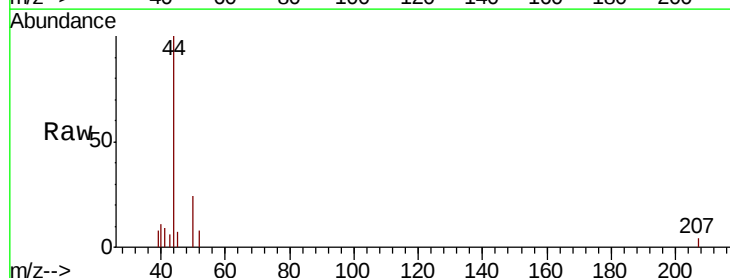
Acq: 12 Nov 2019 17:42

Tgt Ion: 50 Resp: 1397

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

1000

800

600

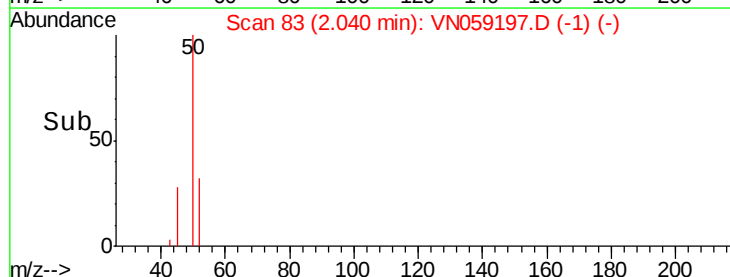
400

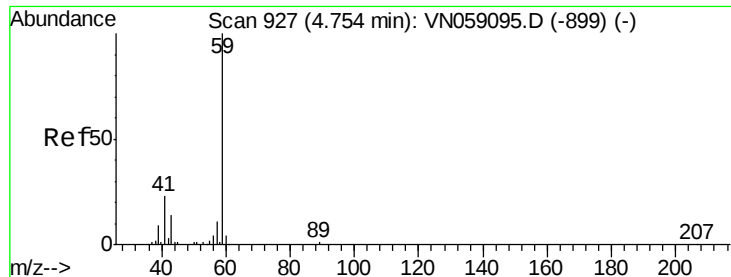
200

0

2.00 2.05 2.10

Time-->

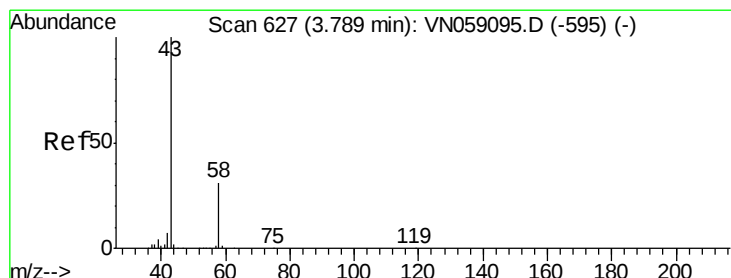
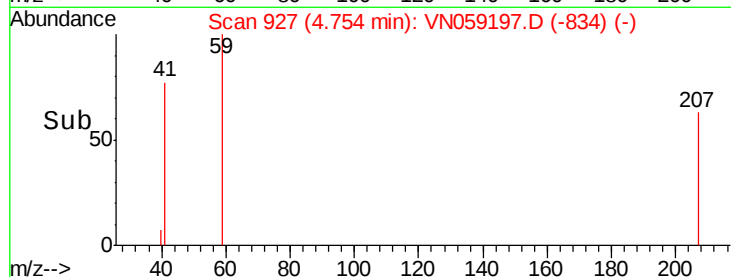
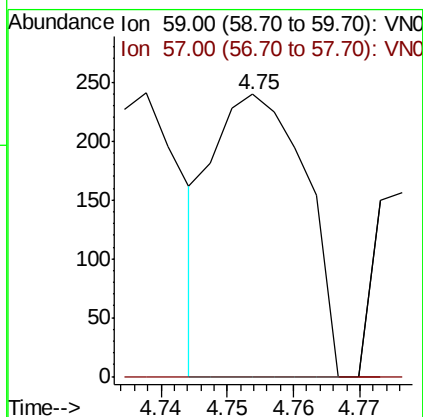
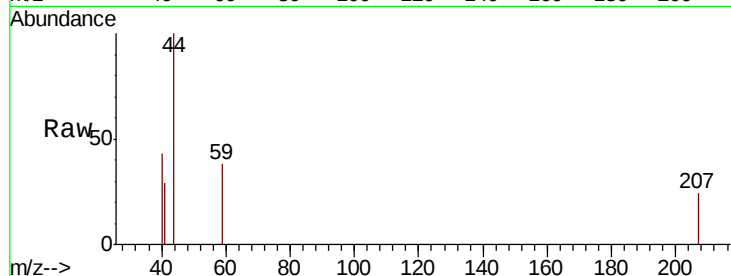




#11
Tert butyl alcohol
Concen: 0.247 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059197.D
Acq: 12 Nov 2019 17:42

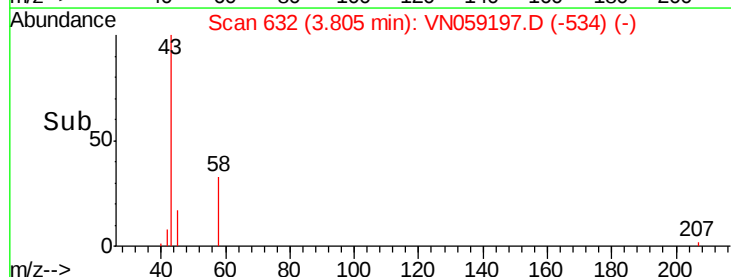
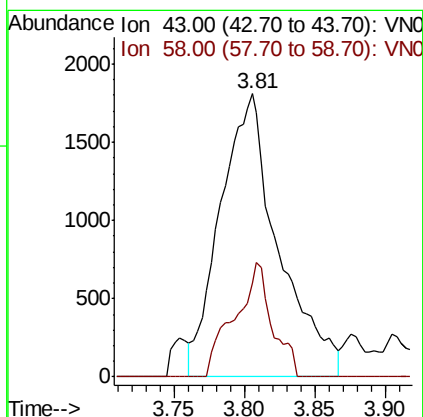
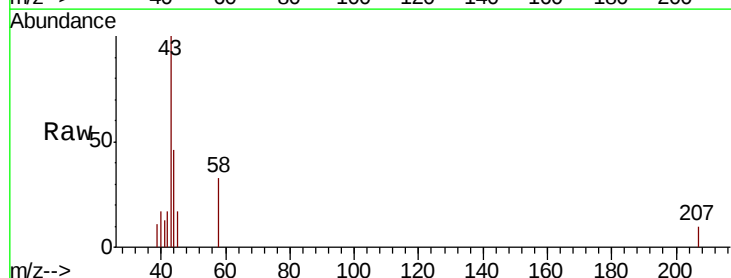
Instrument :
MSVOA_N
ClientSampled :

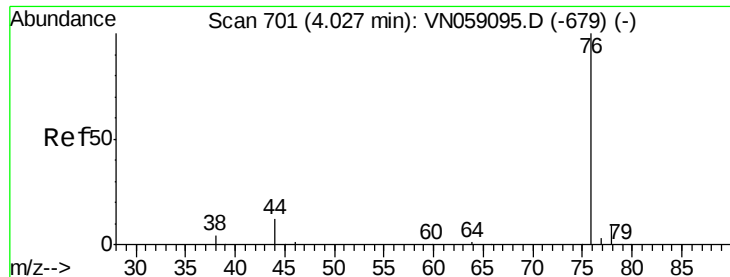
Tot Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.993 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.02 min
Lab File: VN059197.D
Acq: 12 Nov 2019 17:42

Tgt Ion: 43 Resp: 5205
Ion Ratio Lower Upper
43 100
58 36.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.461 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

Instrument :

MSVOA_N

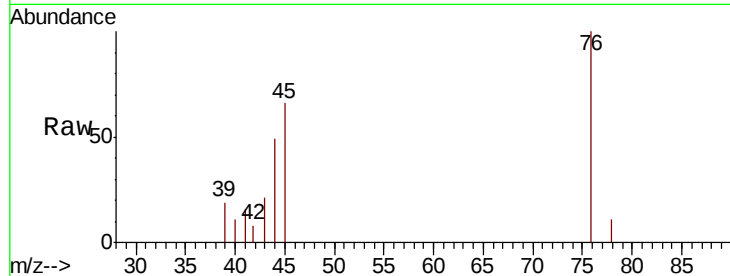
ClientSampleId :

Tot Ion: 76 Resp: 5455

Ion Ratio Lower Upper

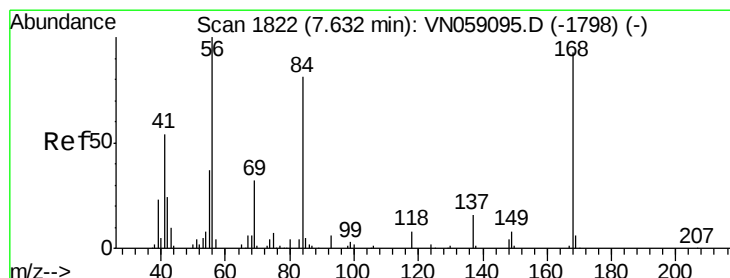
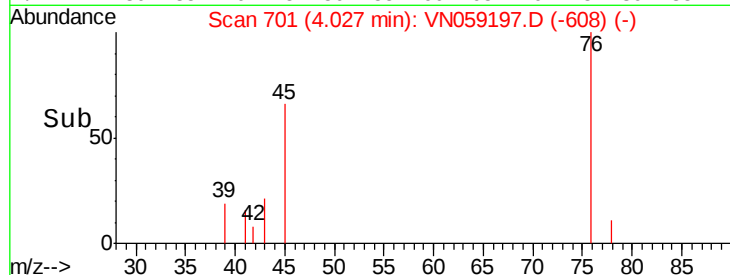
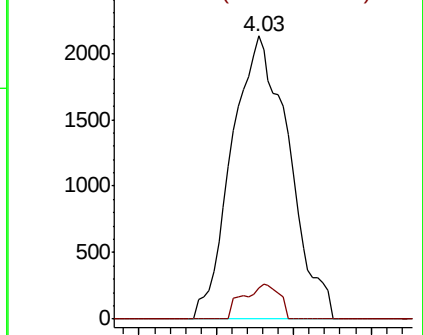
76 100

78 10.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

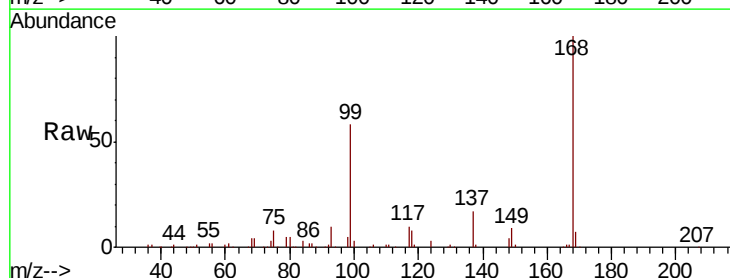
Tgt Ion: 56 Resp: 8896

Ion Ratio Lower Upper

56 100

69 199.2 25.8 38.8#

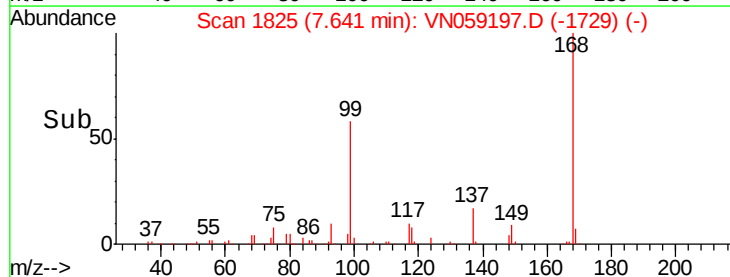
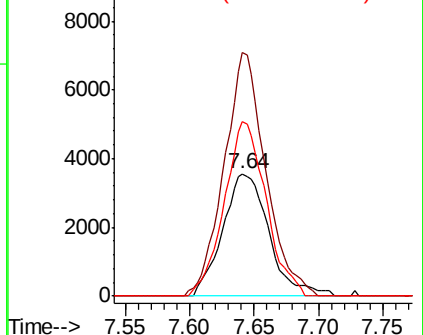
84 143.3 65.0 97.4#

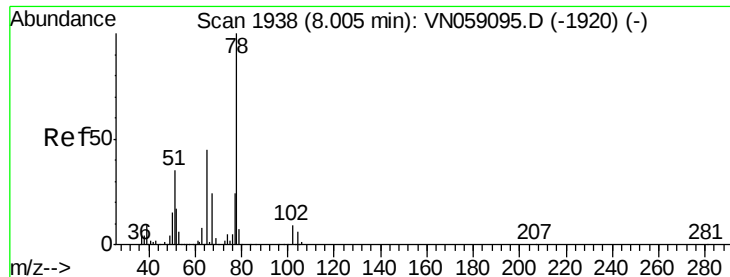


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.333 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

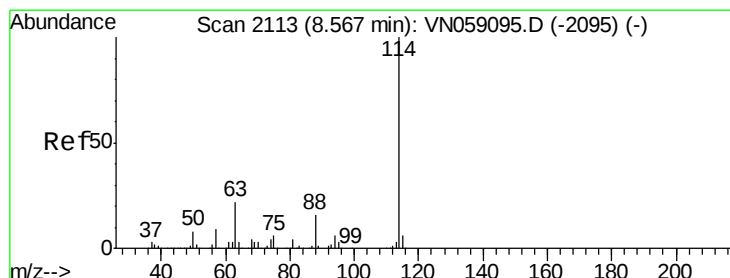
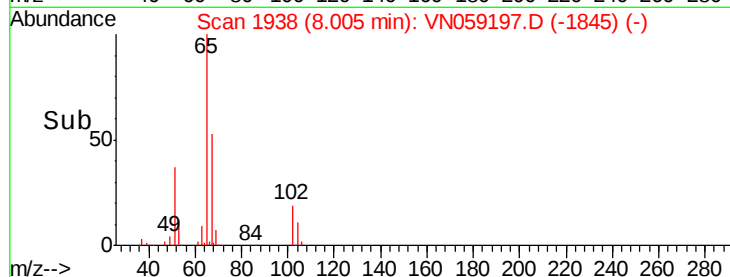
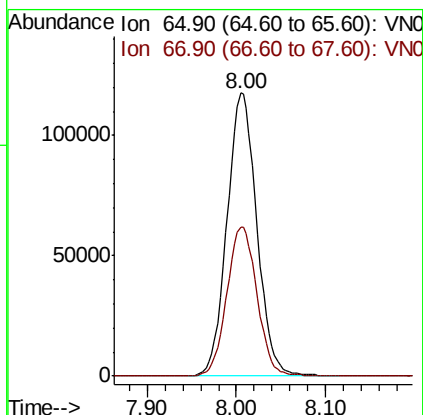
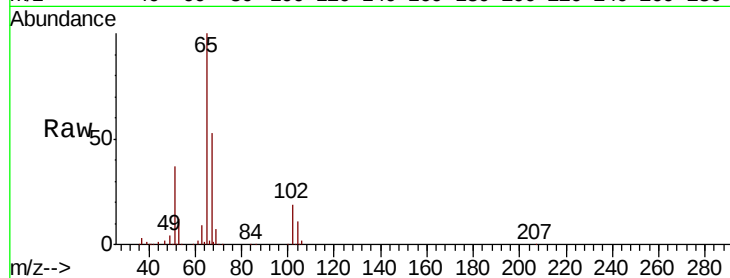
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 272850

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

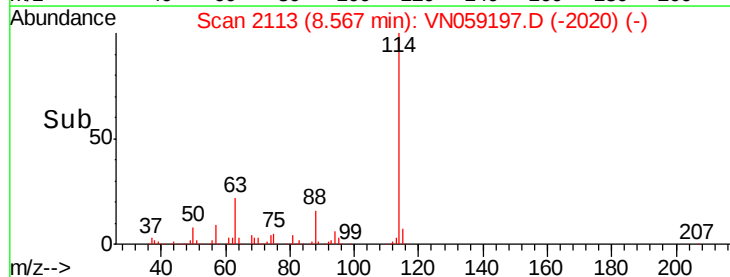
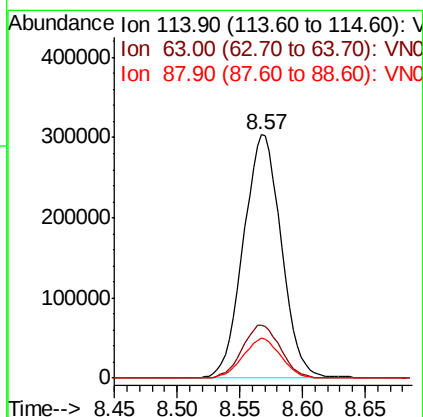
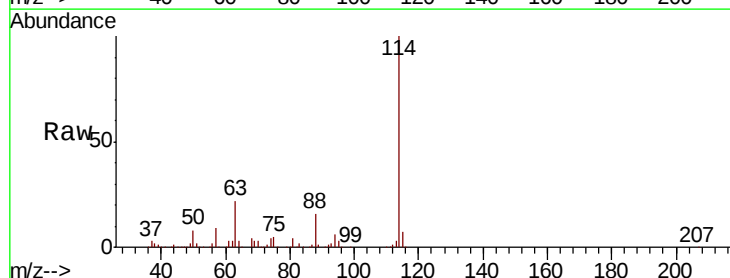
Tgt Ion: 114 Resp: 638427

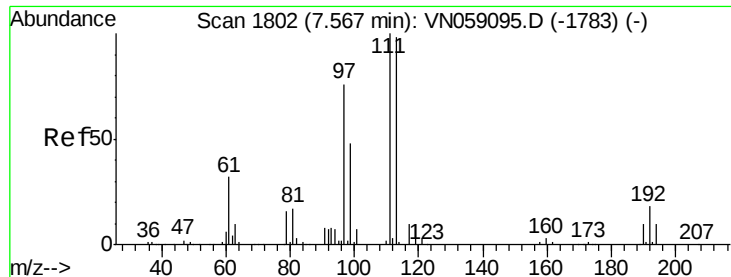
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

88 16.4 0.0 32.2

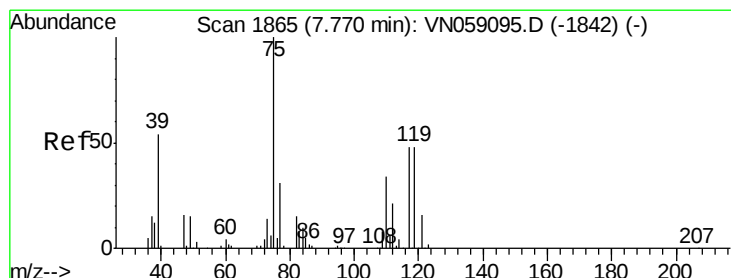
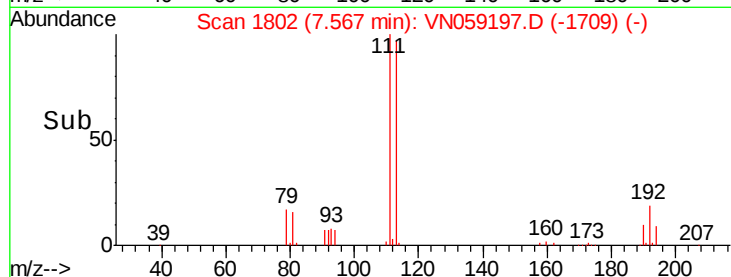
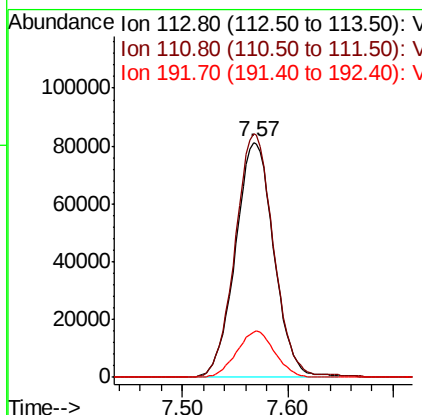
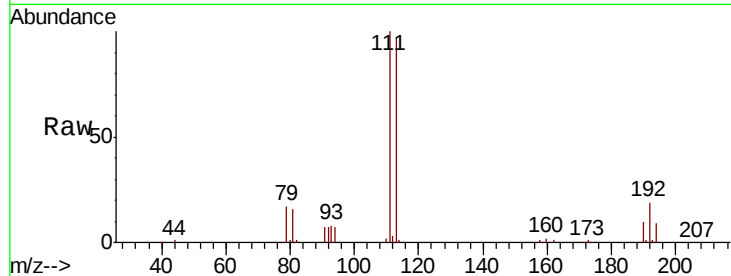




#35
 Dibromofluoromethane
 Concen: 53.823 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059197.D
 Acq: 12 Nov 2019 17:42

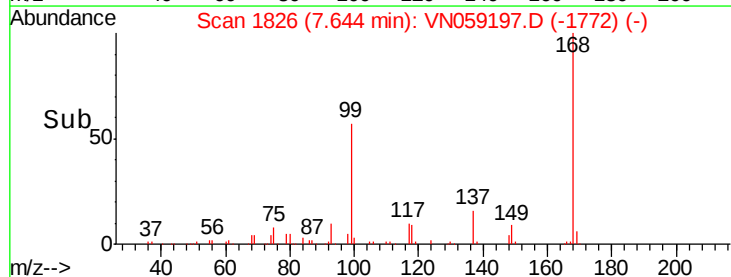
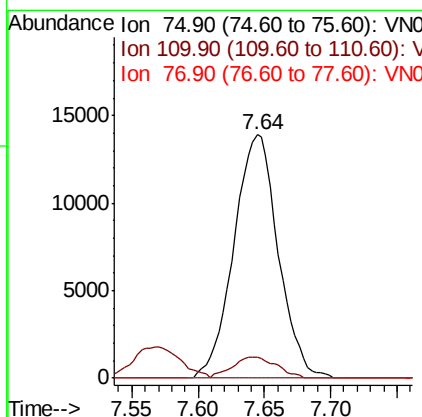
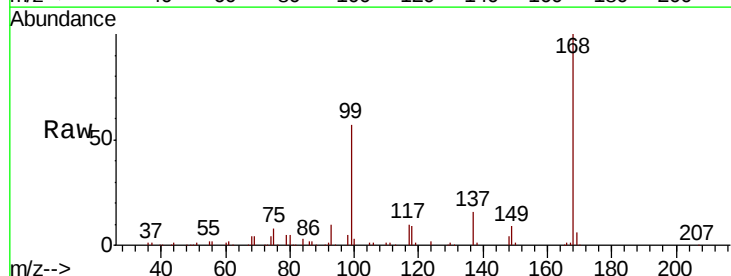
Instrument :
 MSVOA_N
 ClientSampleId :

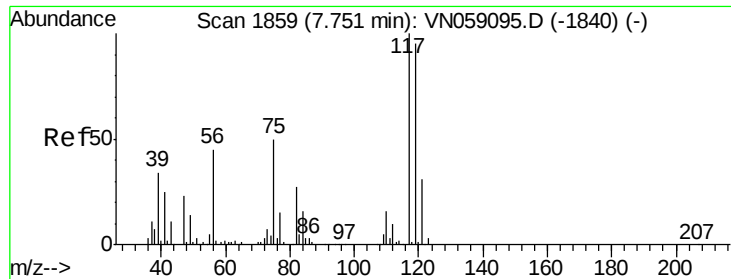
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.8	124.2
192	19.6	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.404 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059197.D
 Acq: 12 Nov 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.8	37.2#

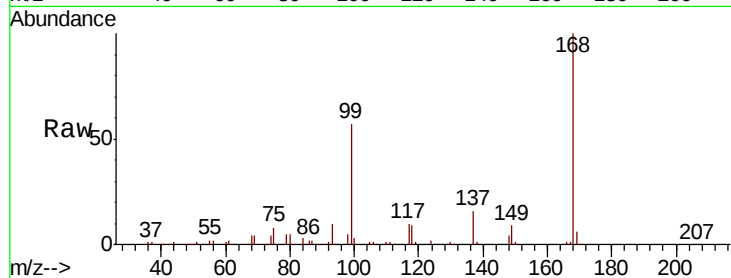




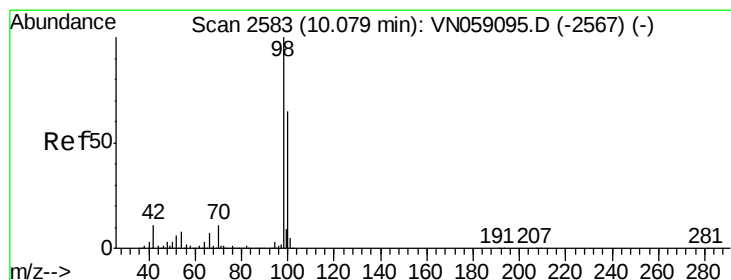
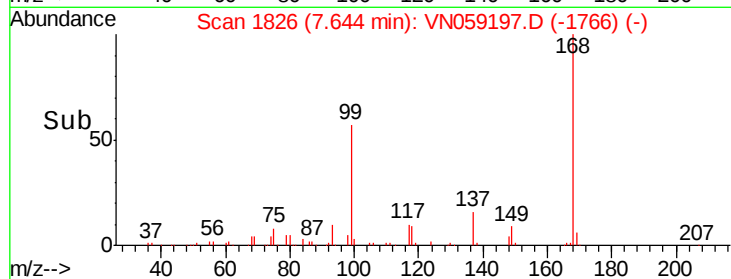
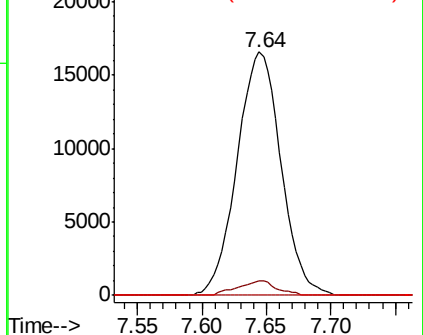
#38
Carbon Tetrachloride
Concen: 6.606 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059197.D
Acq: 12 Nov 2019 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 39239
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 24.6 36.8#

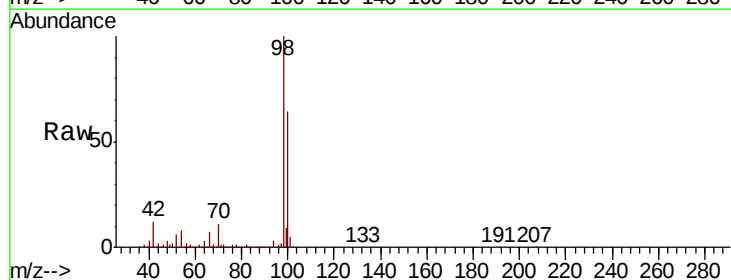


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

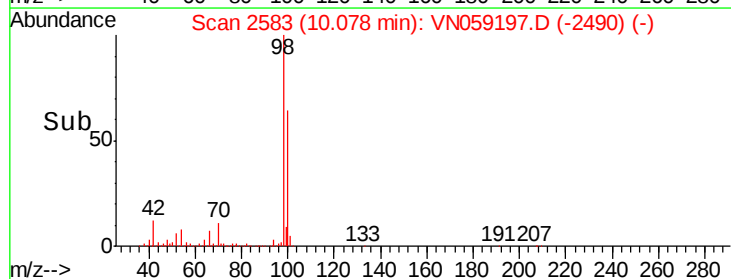
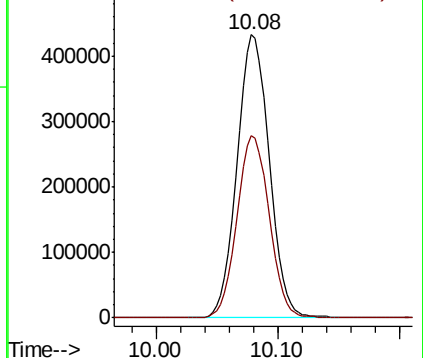


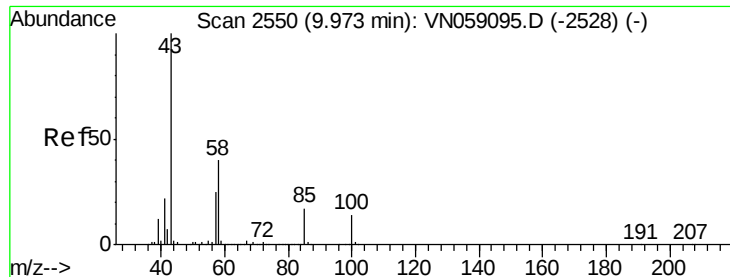
#50
Toluene-d8
Concen: 52.624 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059197.D
Acq: 12 Nov 2019 17:42

Tgt Ion: 98 Resp: 790169
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

Instrument :

MSVOA_N

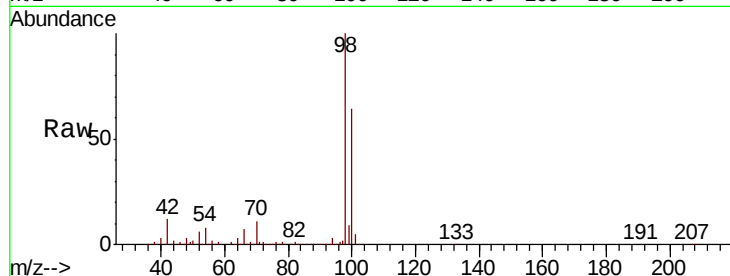
ClientSampled :

Tot Ion: 43 Resp: 3598

Ion Ratio Lower Upper

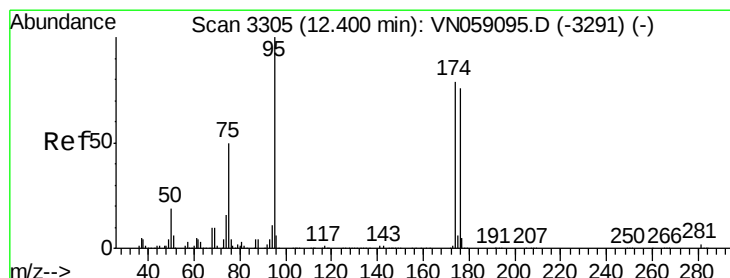
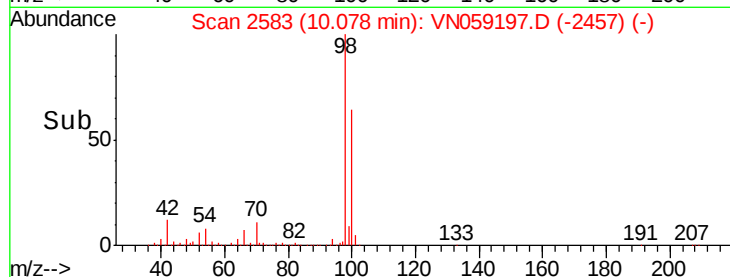
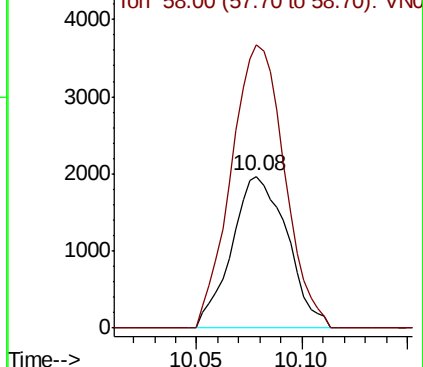
43 100

58 179.6 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.219 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

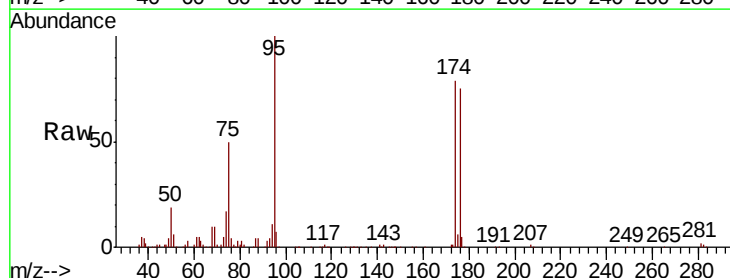
Tgt Ion: 95 Resp: 250225

Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.2

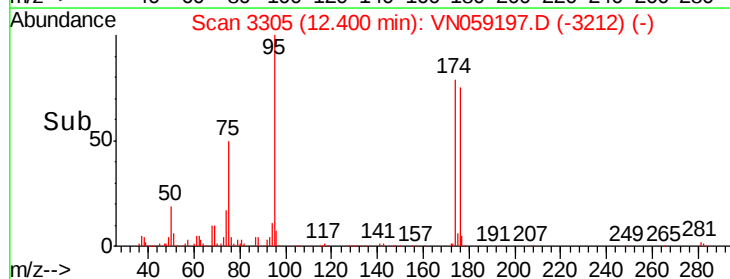
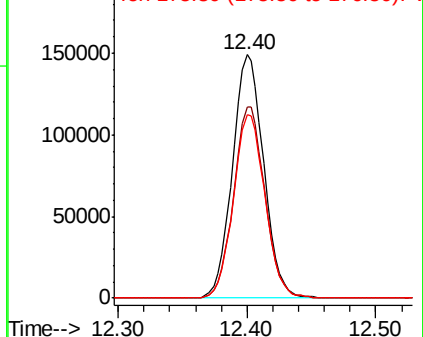
176 76.4 0.0 151.8

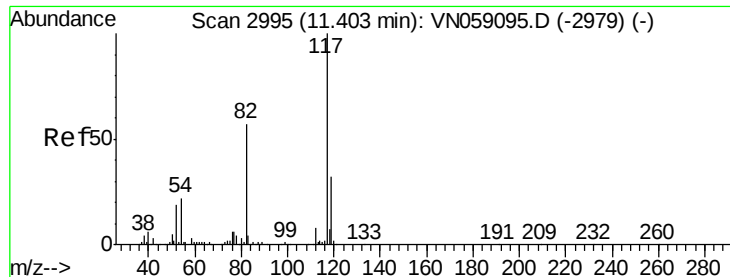


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

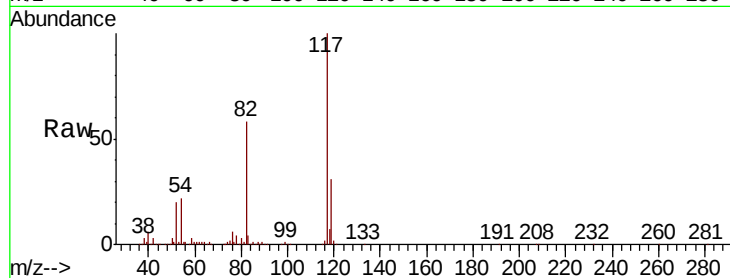
Tot Ion:117 Resp: 565573

Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.8

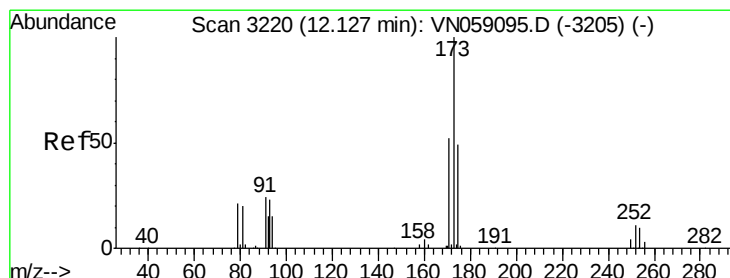
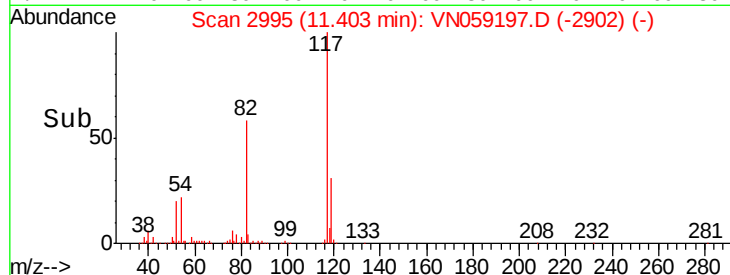
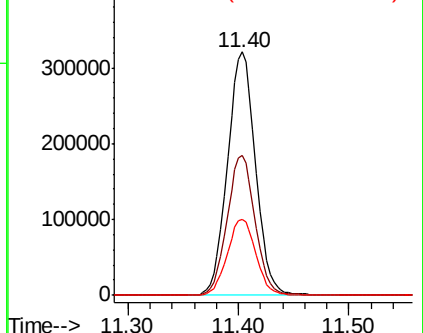
119 31.4 25.8 38.6



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: 0.533 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

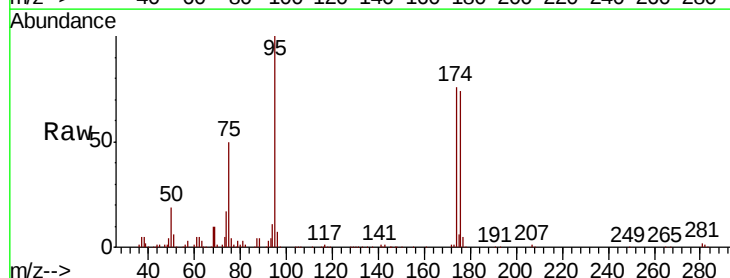
Tgt Ion:173 Resp: 1714

Ion Ratio Lower Upper

173 100

175 731.0 24.2 72.6#

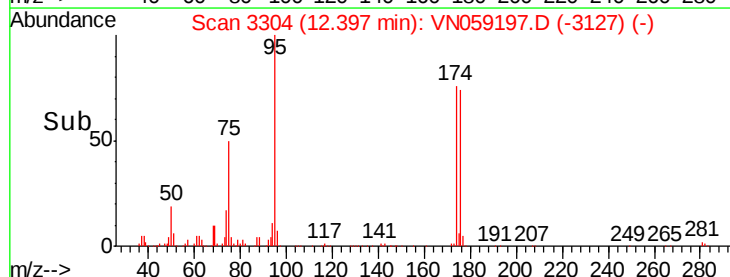
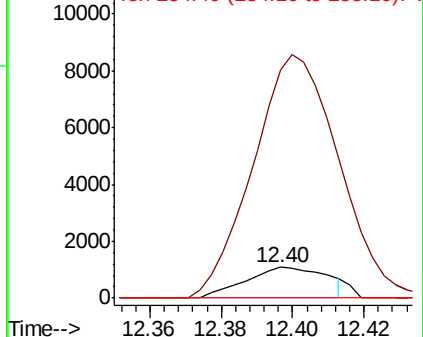
254 0.0 0.1 0.1#

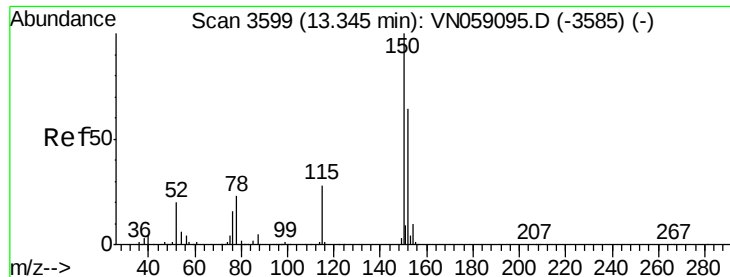


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



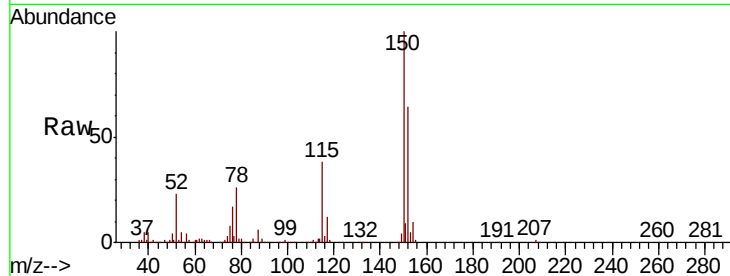


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059197.D
Acq: 12 Nov 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.4	88.2
150	156.9	0.0	345.8

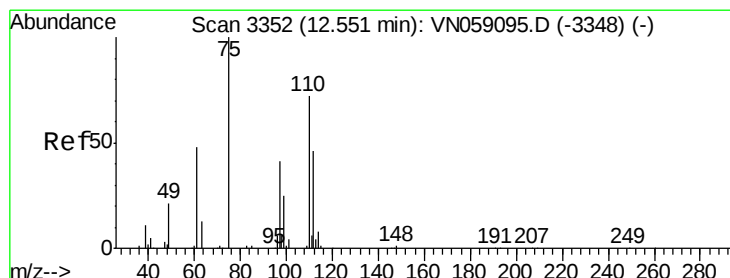
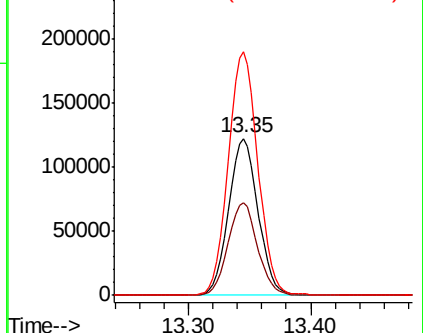
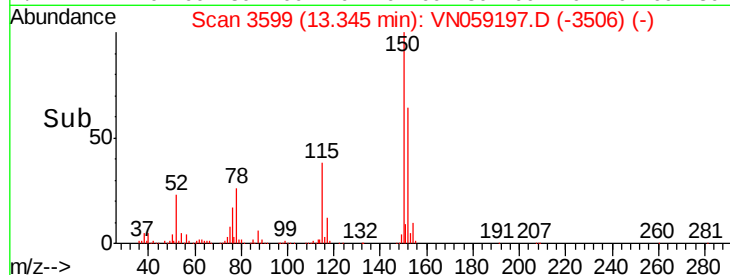


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

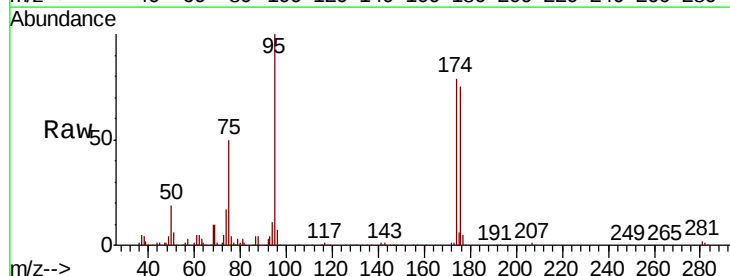
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 26.800 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059197.D
Acq: 12 Nov 2019 17:42

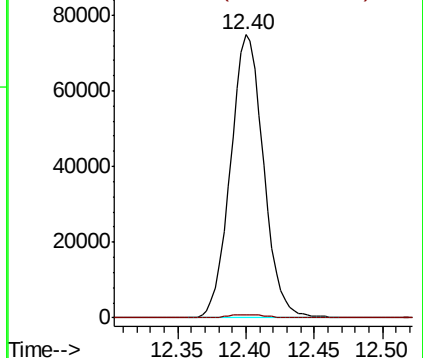
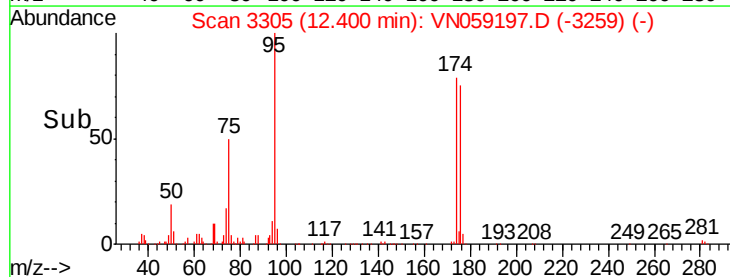
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

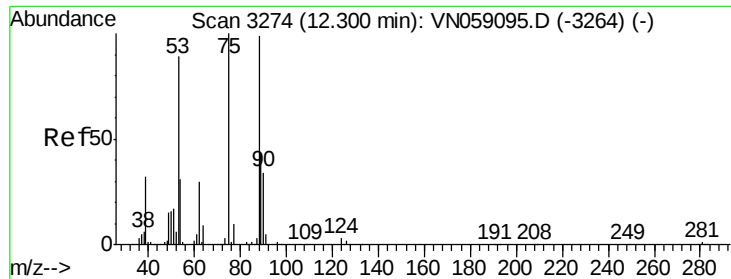


Abundance

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: 70.787 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

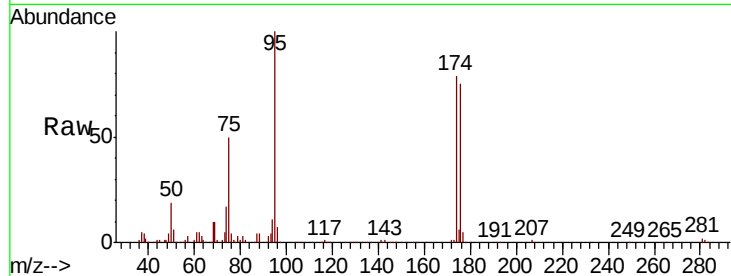
Tot Ion: 75 Resp: 125928

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

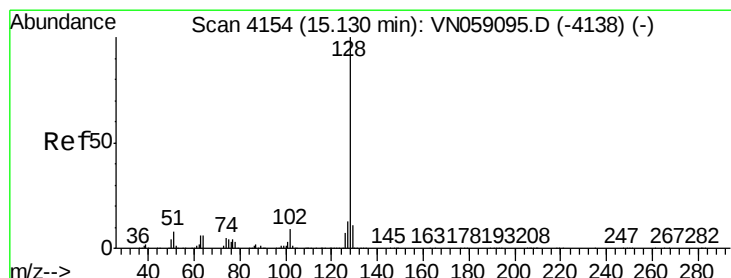
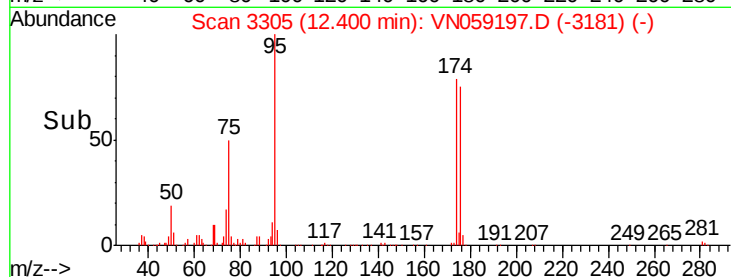
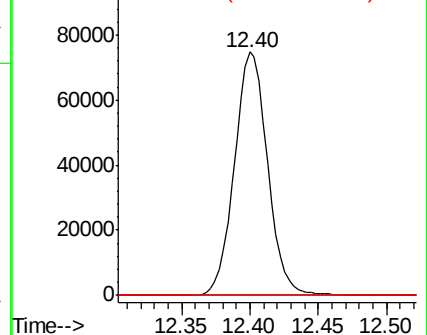
89 0.0 35.8 53.8#



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) (-)



#95

Naphthalene

Concen: 3.182 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059197.D

Acq: 12 Nov 2019 17:42

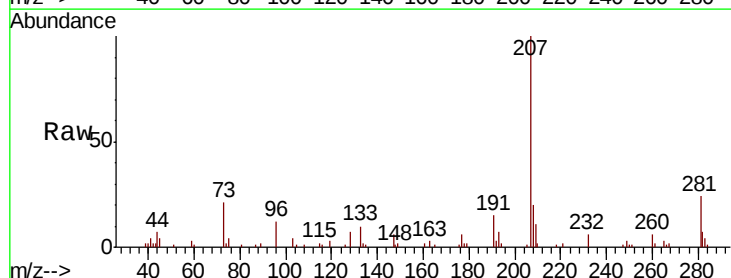
Tgt Ion: 128 Resp: 1565

Ion Ratio Lower Upper

128 100

127 6.6 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059095.D (-4138) (-)

Ion 127.00 (126.70 to 127.70): VN059095.D (-4138) (-)

Ion 129.00 (128.70 to 129.70): VN059095.D (-4138) (-)

