

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057655.D
 Acq On : 1 Sep 2019 19:50
 Operator : JC/SP
 Sample : K4516-05
 Misc : 7.57g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S-B4-(0)

Quant Time: Sep 02 01:57:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	174698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	300258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	249787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	103921	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	213891	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.58	113	121165	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.08	98	488796	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	152840	39.93	ug/l	0.00
Spiked Amount			Recovery	=	79.86%	

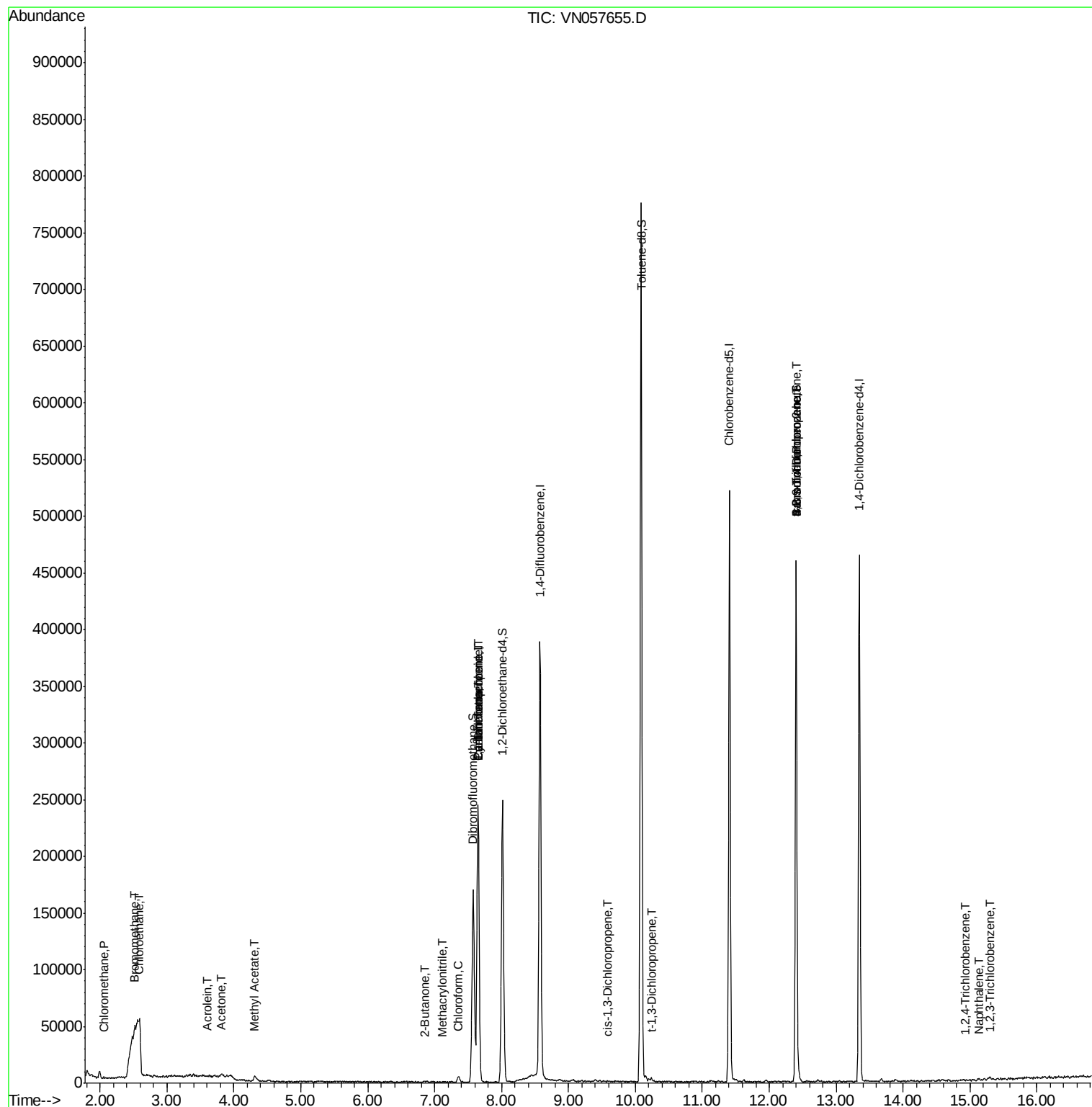
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	652	0.202	ug/l #	41
5) Bromomethane	2.51	94	1407	0.882	ug/l #	79
6) Chloroethane	2.59	64	846	0.600	ug/l #	83
13) Acrolein	3.60	56	108	0.656	ug/l	92
16) Acetone	3.80	43	673	0.609	ug/l #	50
18) Methyl Acetate	4.30	43	4333	1.141	ug/l	94
25) 2-Butanone	6.85	43	1419	0.770	ug/l #	53
30) Chloroform	7.36	83	5048	0.950	ug/l #	77
31) Cyclohexane	7.64	56	3495	0.668	ug/l #	40
36) 1,1-Dichloropropene	7.65	75	18146	4.558	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19579	5.495	ug/l #	14
41) Methacrylonitrile	7.12	41	123	2.338	ug/l #	21
53) t-1,3-Dichloropropene	10.24	75	832	3.392	ug/l #	45
54) cis-1,3-Dichloropropene	9.59	75	287	1.868	ug/l #	64
71) Bromoform	12.40	173	961	6.738	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	91425	33.445	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	91425	114.643	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.92	180	115	8.360	ug/l #	49
95) Naphthalene	15.14	128	792	7.054	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.29	180	63	7.799	ug/l #	1

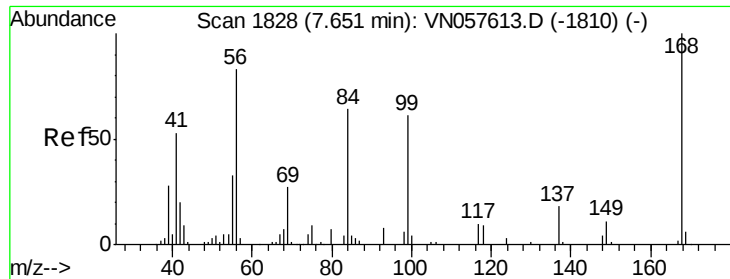
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T1-S-B4-(0)

Quant Time: Sep 02 01:57:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

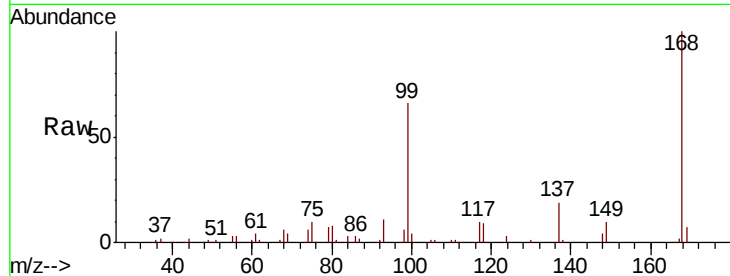
Instrument :
MSVOA_N
ClientSampleId :
T1-S-B4-(0)

Tgt Ion: 168 Resp: 174698

Ion Ratio Lower Upper

168 100

99 66.2 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)

7.65

80000

60000

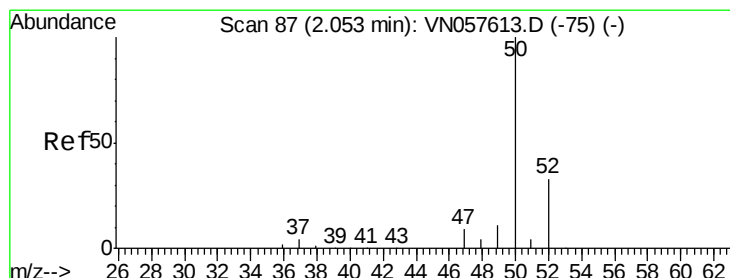
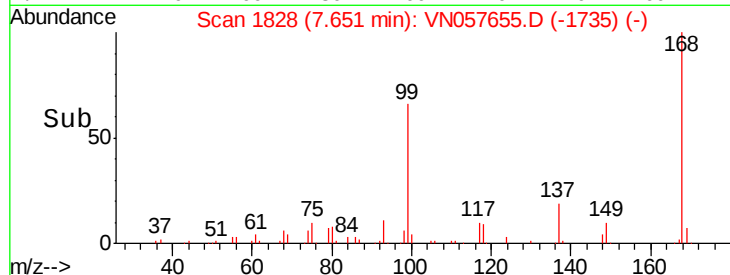
40000

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7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.01 min

Lab File: VN057655.D

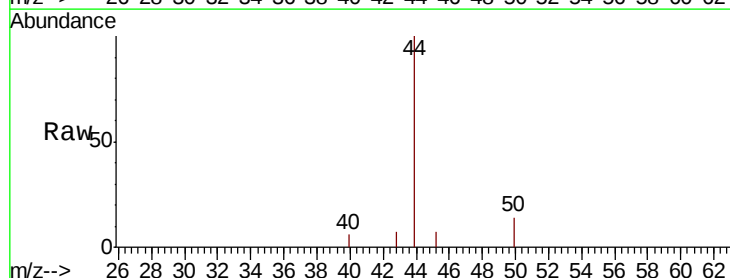
Acq: 1 Sep 2019 19:50

Tgt Ion: 50 Resp: 652

Ion Ratio Lower Upper

50 100

52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN057613.D (-75) (-)

Ion 51.90 (51.60 to 52.60): VN057613.D (-75) (-)

2.04

500

400

300

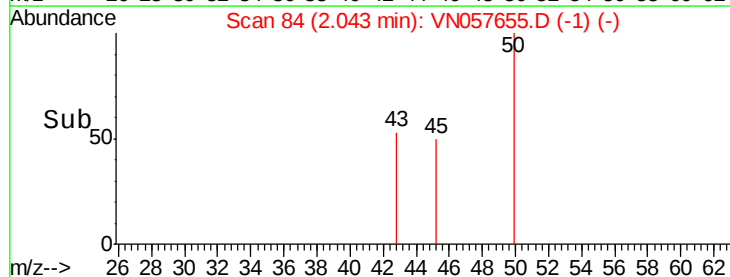
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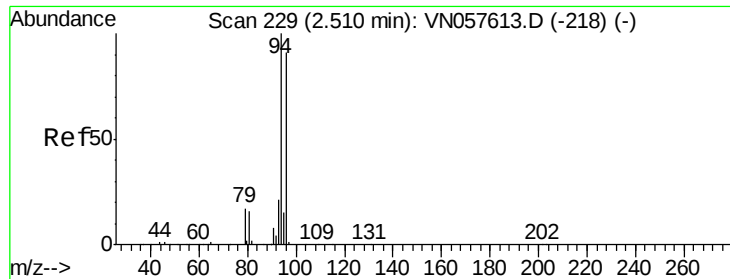
100

0

2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 0.882 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Instrument :

MSVOA_N

ClientSampled :

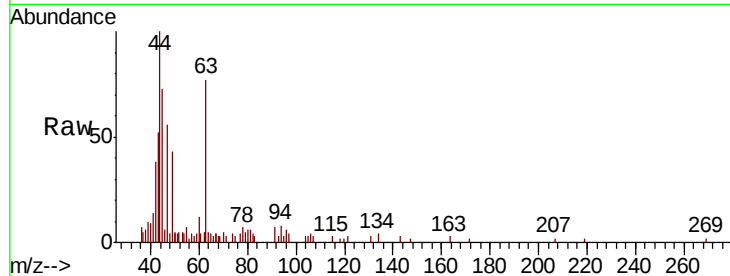
T1-S-B4-(0)

Tgt Ion: 94 Resp: 1407

Ion Ratio Lower Upper

94 100

96 71.7 72.9 109.3#



Abundance Ion 93.90 (93.60 to 94.60): VN057613.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN057613.D (-218) (-)

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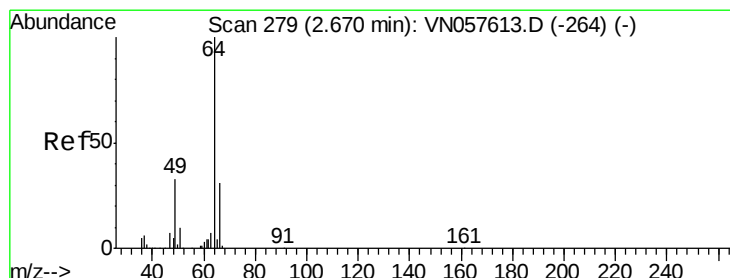
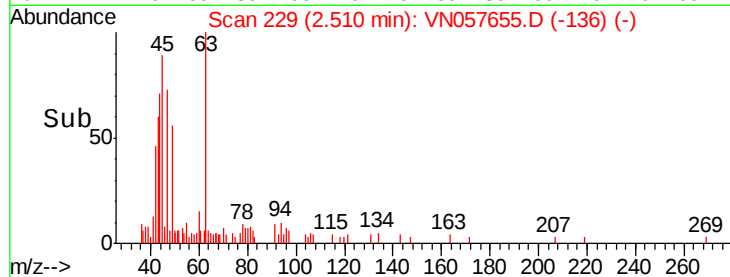
2.51

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#6

Chloroethane

Concen: 0.600 ug/l

RT: 2.59 min Scan# 254

Delta R.T. -0.08 min

Lab File: VN057655.D

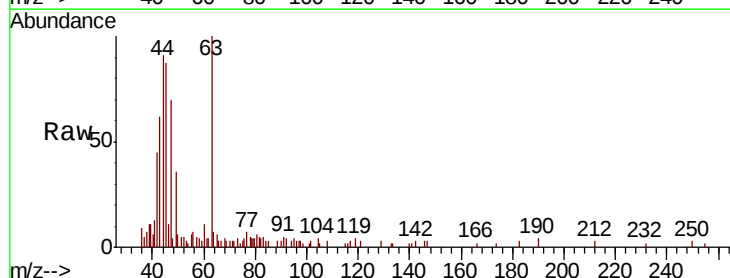
Acq: 1 Sep 2019 19:50

Tgt Ion: 64 Resp: 846

Ion Ratio Lower Upper

64 100

66 40.0 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VN057613.D (-264) (-)

Ion 65.90 (65.60 to 66.60): VN057613.D (-264) (-)

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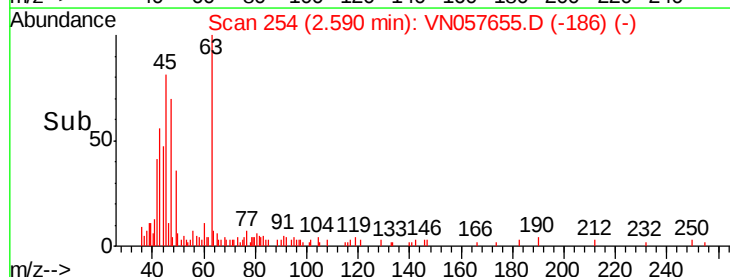
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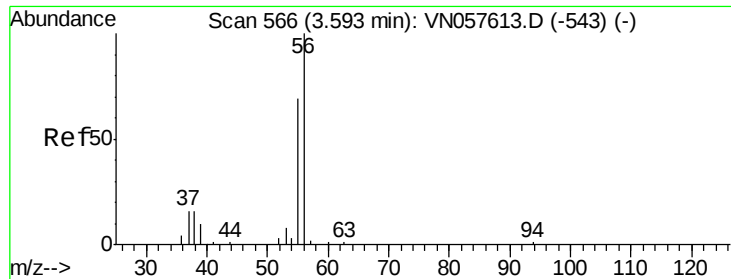
2.59

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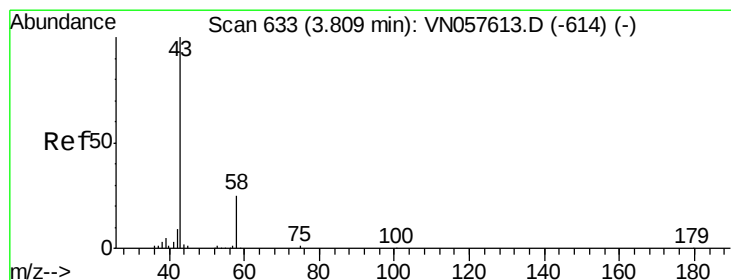
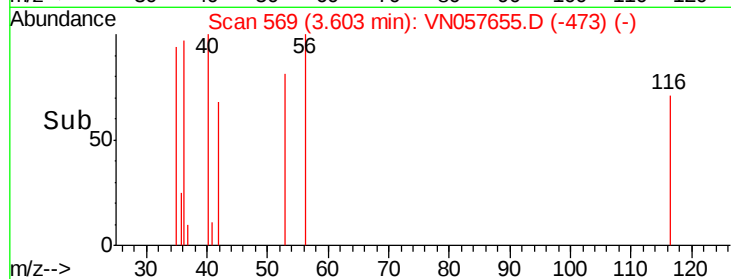
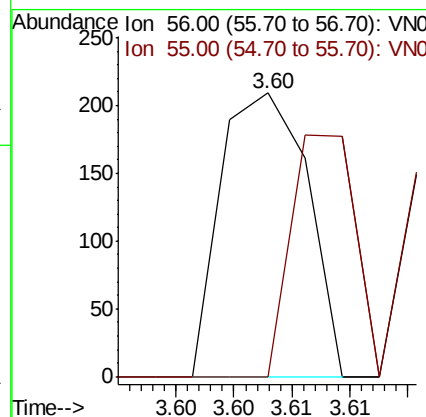
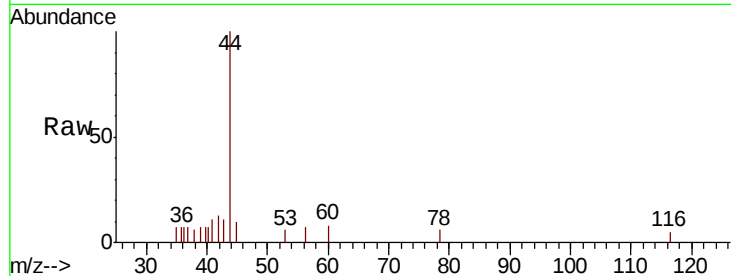




#13
Acrolein
Concen: 0.656 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.01 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

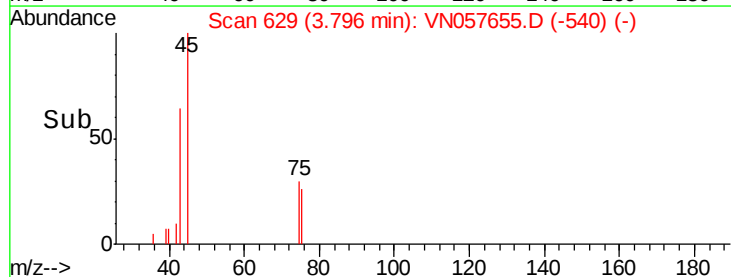
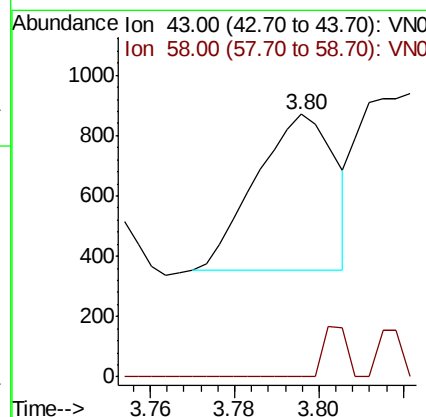
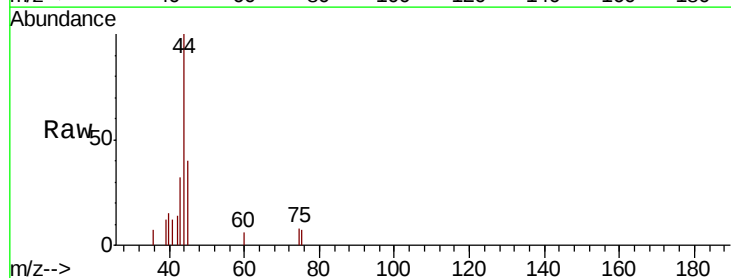
Instrument :
MSVOA_N
ClientSampleId :
T1-S-B4-(0)

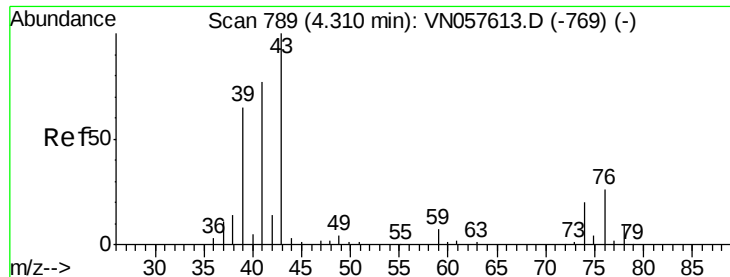
Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 63.9 56.5 84.7



#16
Acetone
Concen: 0.609 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.01 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 0.0 20.0 30.0#

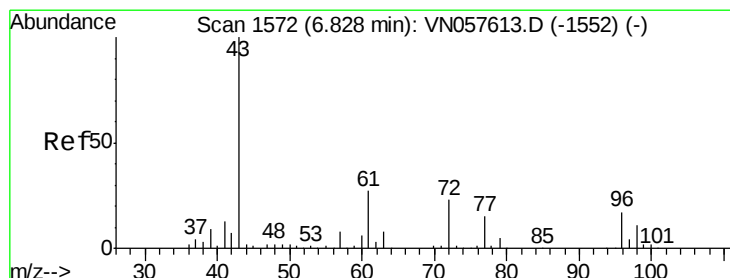
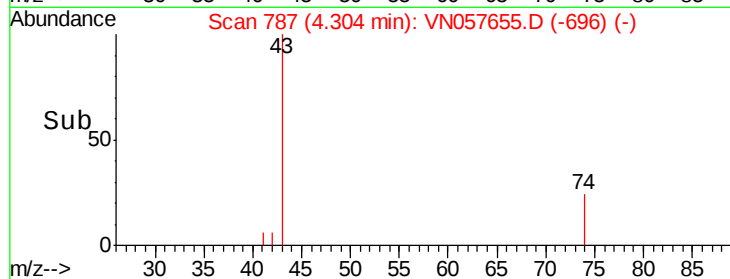
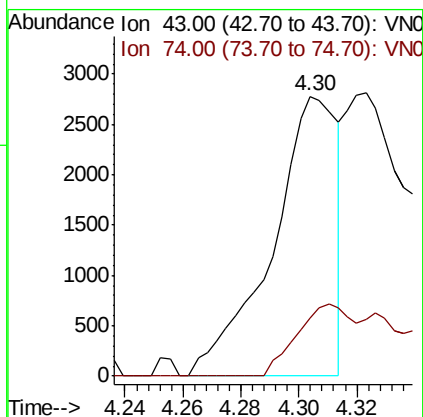
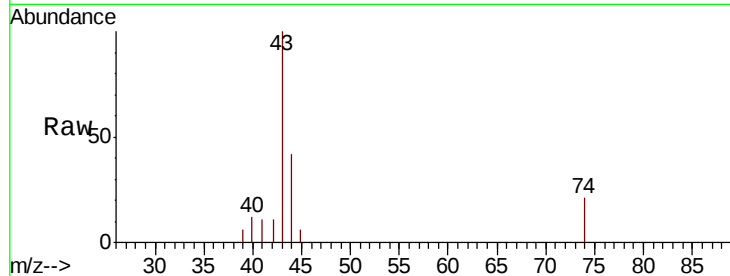




#18
Methyl Acetate
Concen: 1.141 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

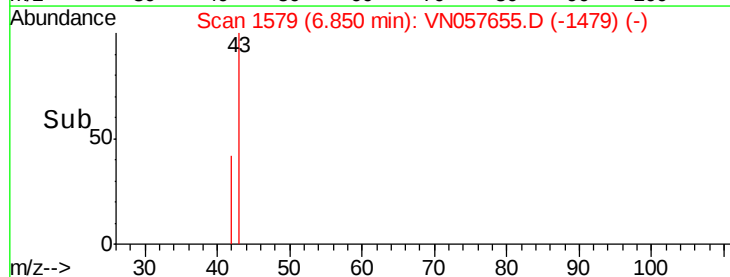
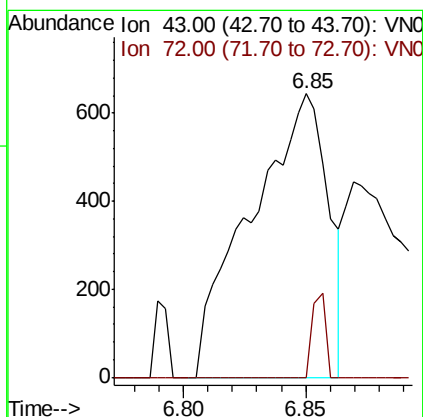
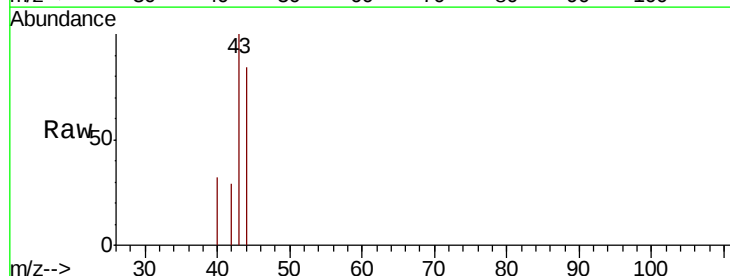
Instrument :
MSVOA_N
ClientSampled :
T1-S-B4-(0)

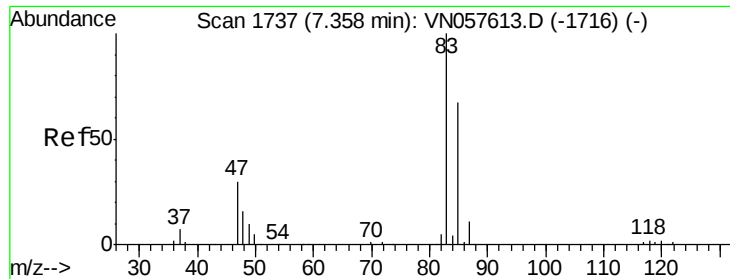
Tgt Ion: 43 Resp: 4333
Ion Ratio Lower Upper
43 100
74 22.1 15.7 23.5



#25
2-Butanone
Concen: 0.770 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#

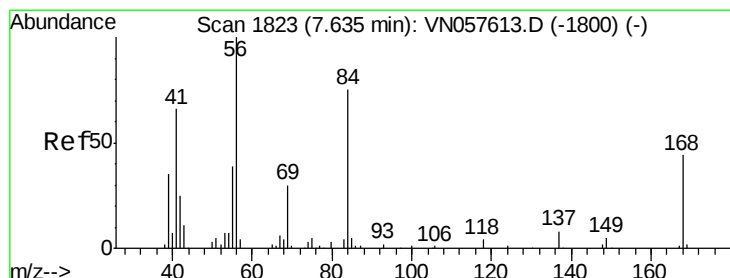
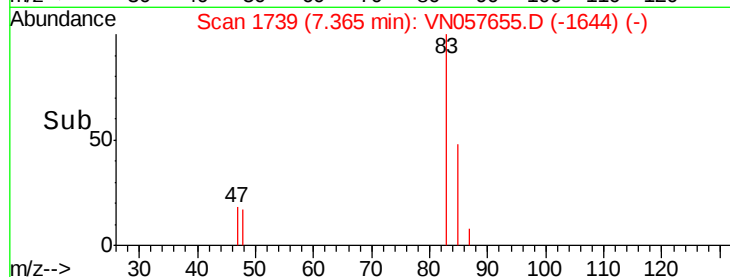
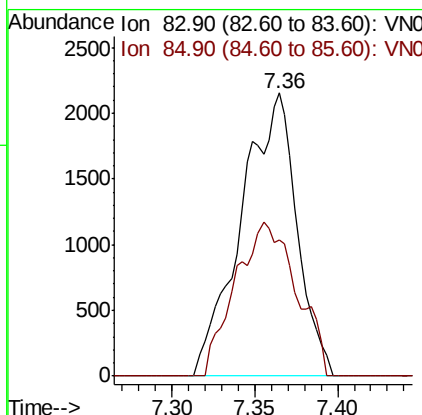
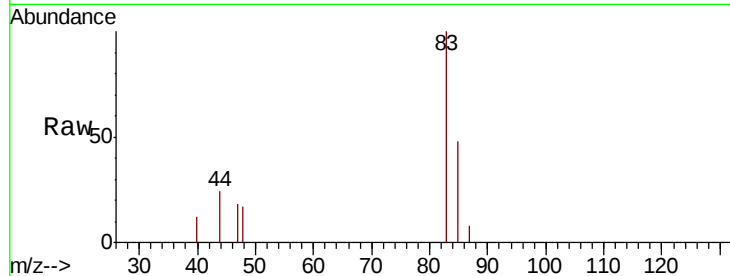




#30
Chloroform
Concen: 0.950 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

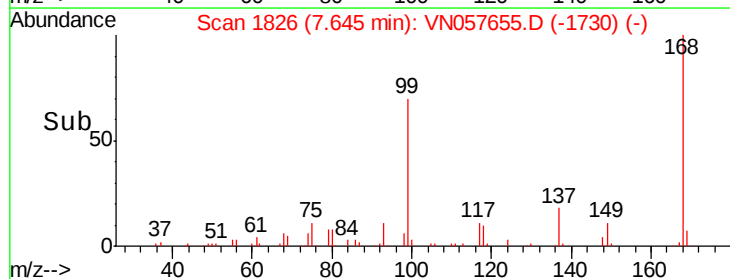
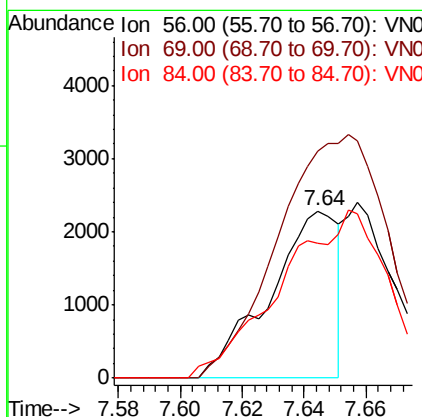
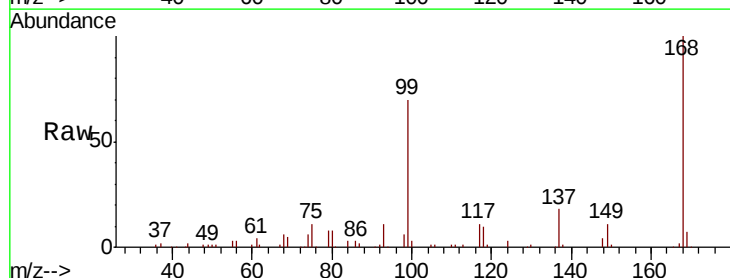
Instrument :
MSVOA_N
ClientSampleId :
T1-S-B4-(0)

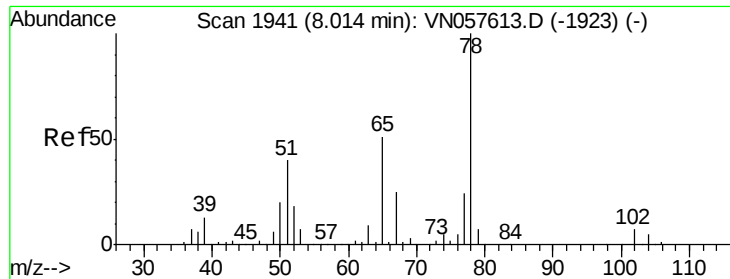
Tgt Ion: 83 Resp: 5048
Ion Ratio Lower Upper
83 100
85 48.0 53.2 79.8#



#31
Cyclohexane
Concen: 0.668 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

Tgt Ion: 56 Resp: 3495
Ion Ratio Lower Upper
56 100
69 135.8 24.4 36.6#
84 80.4 59.9 89.9





#33

1,2-Dichloroethane-d4

Concen: 54.199 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Instrument :

MSVOA_N

ClientSampled :

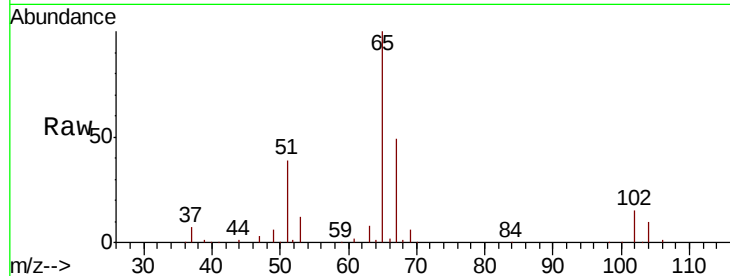
T1-S-B4-(0)

Tgt Ion: 65 Resp: 213891

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN057613.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN057613.D (-1923) (-)

8.01

100000

80000

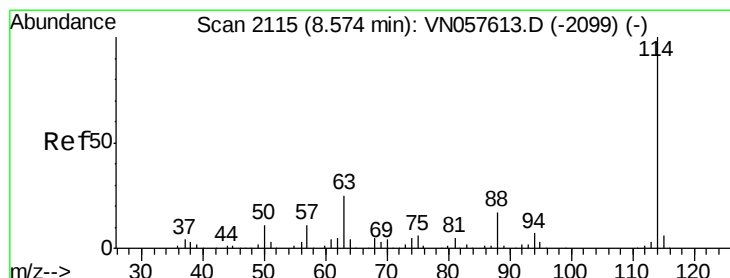
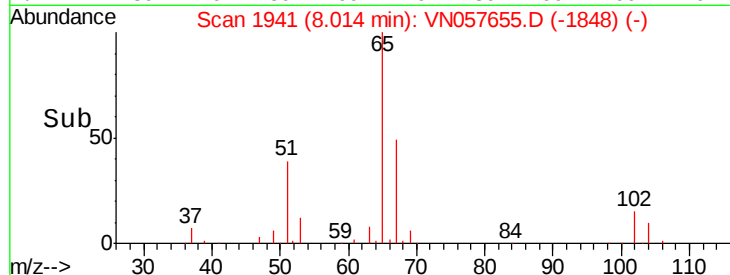
60000

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0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

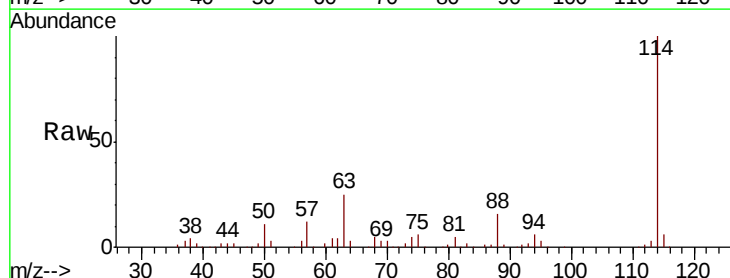
Tgt Ion: 114 Resp: 300258

Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.0

88 16.2 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN057613.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057613.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN057613.D (-2099) (-)

200000

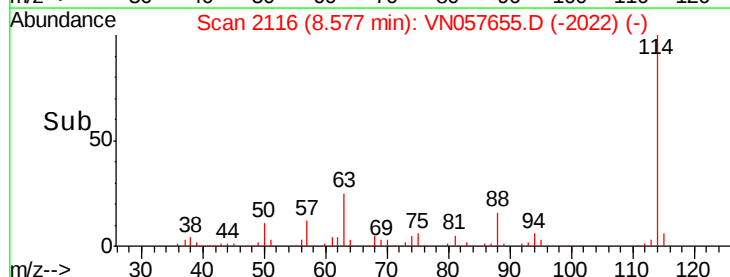
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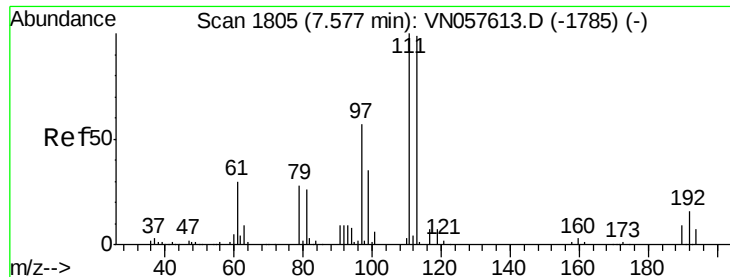
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50000

0

Time-->

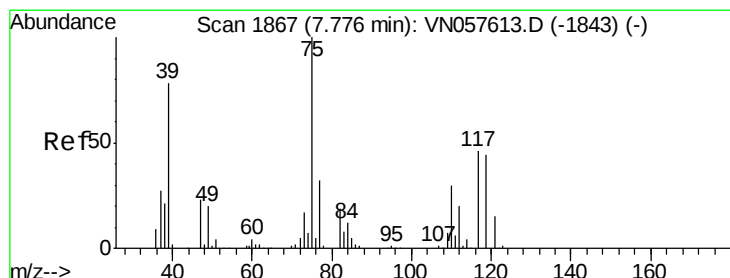
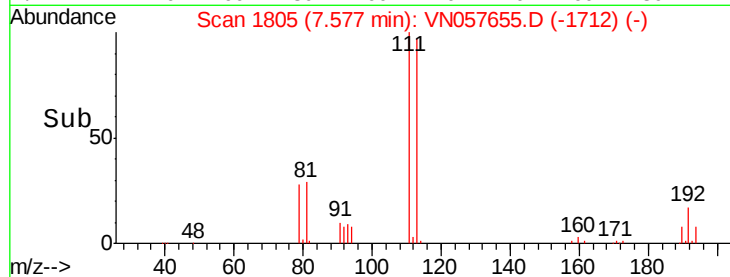
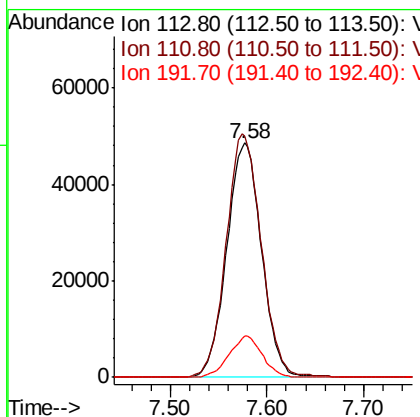
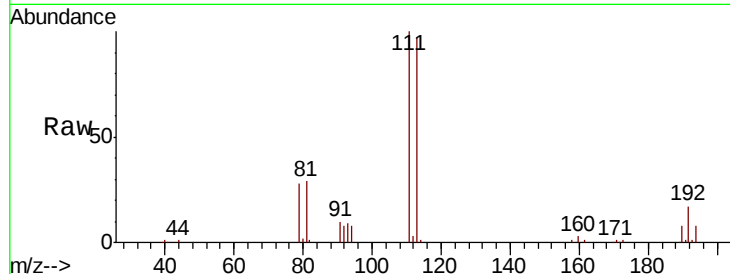




#35
 Dibromofluoromethane
 Concen: 46.209 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057655.D
 Acq: 1 Sep 2019 19:50

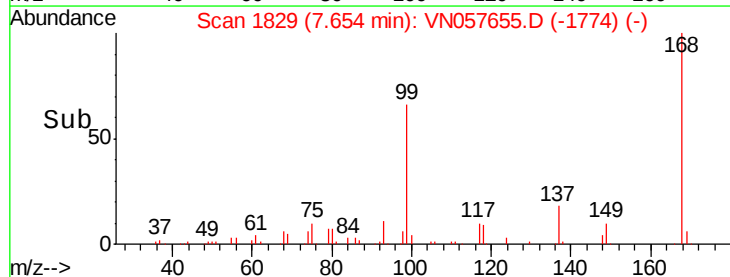
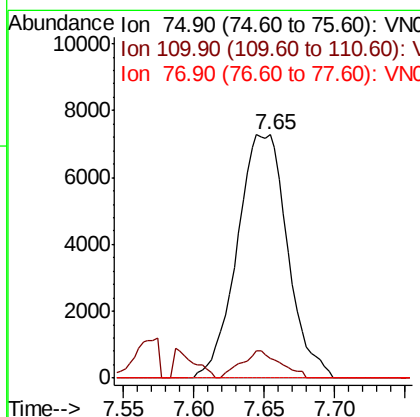
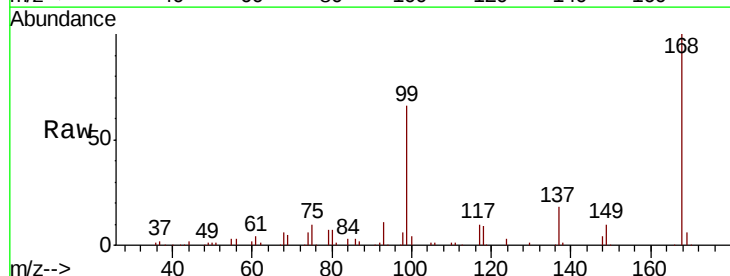
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S-B4-(0)

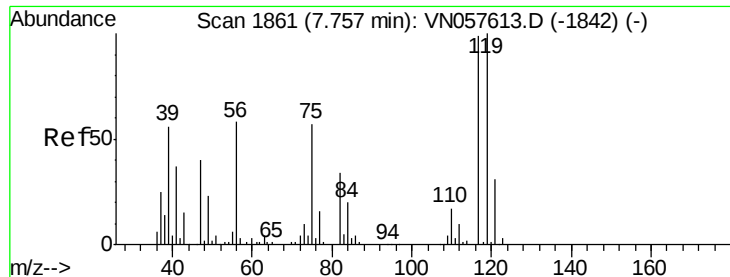
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.3	121.9
192	16.7	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057655.D
 Acq: 1 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.495 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B4-(0)

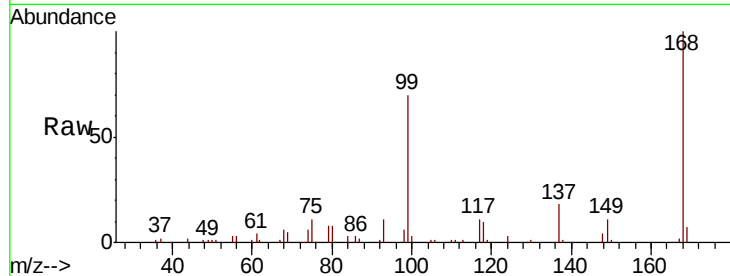
Tgt Ion:117 Resp: 19579

Ion Ratio Lower Upper

117 100

119 4.7 80.6 120.8#

121 0.0 25.1 37.7#

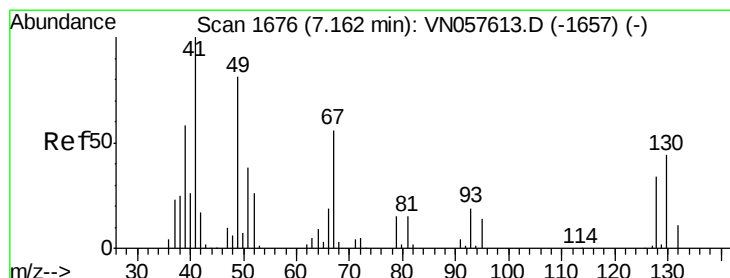
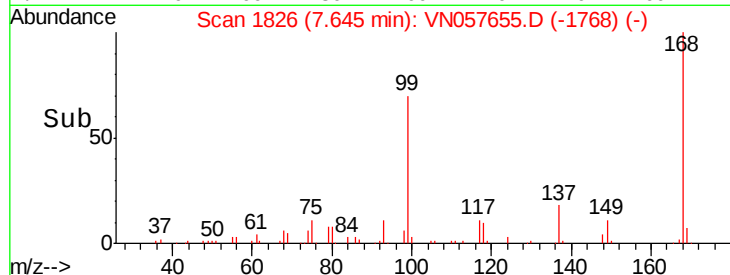
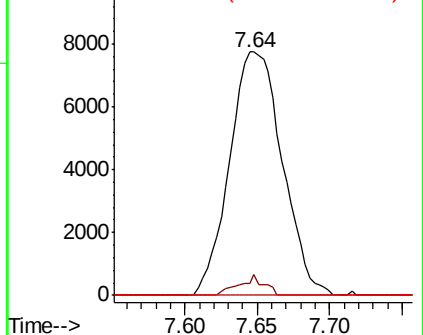


Abundance

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



#41

Methacrylonitrile

Concen: 2.338 ug/l

RT: 7.12 min Scan# 1662

Delta R.T. -0.04 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Tgt Ion: 41 Resp: 123

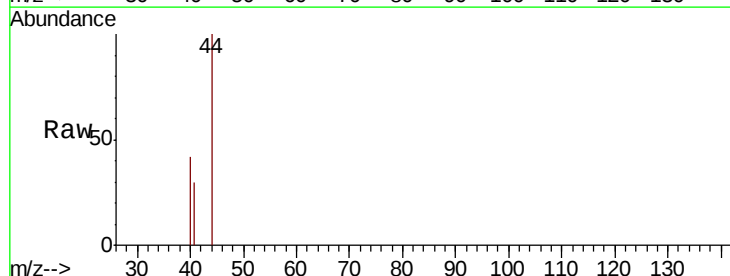
Ion Ratio Lower Upper

41 100

39 0.0 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#



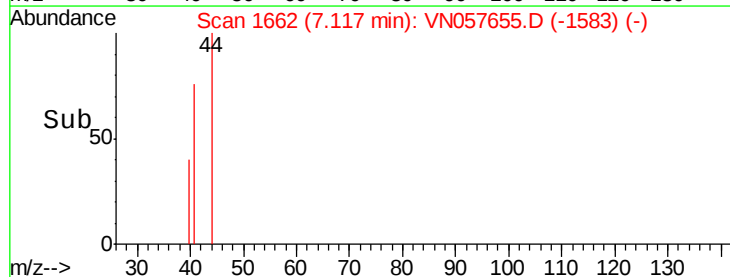
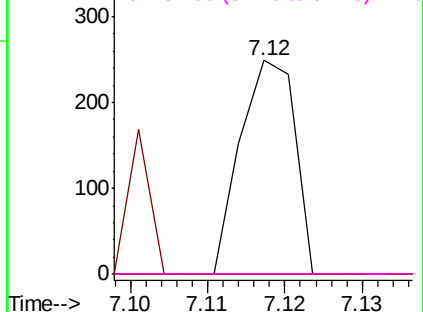
Abundance

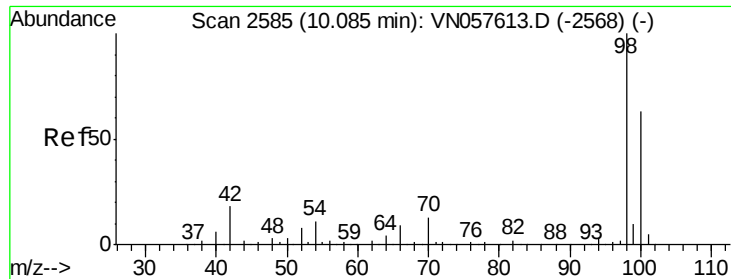
Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

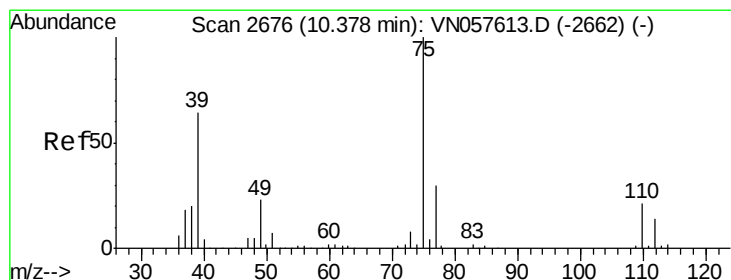
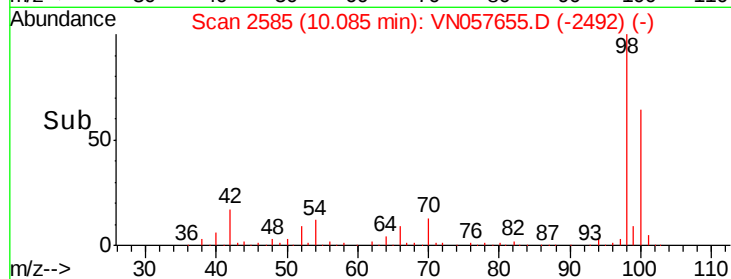
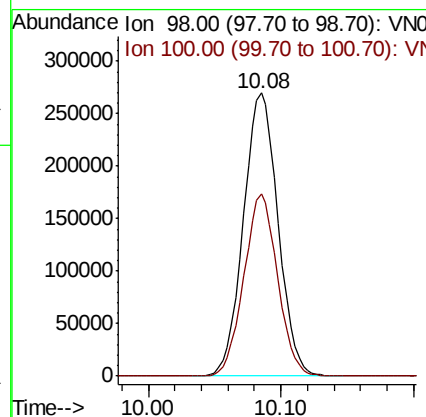
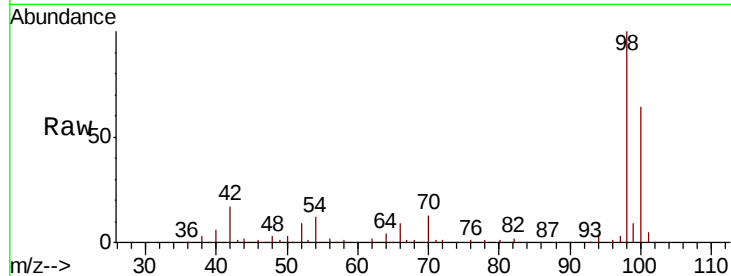




#50
Toluene-d8
Concen: 48.555 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

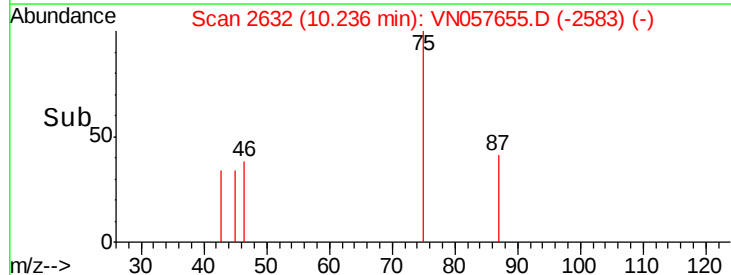
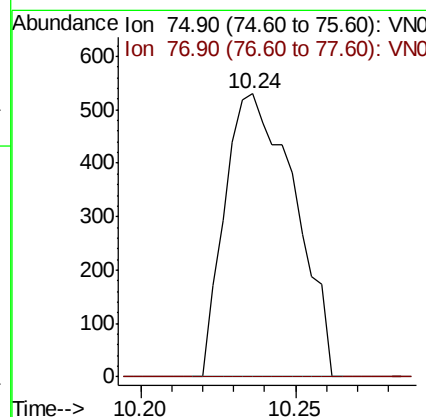
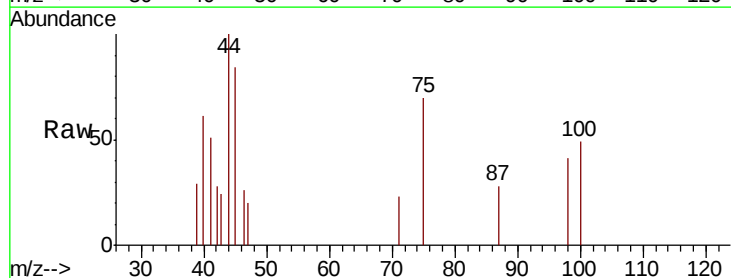
Instrument :
MSVOA_N
ClientSampled :
T1-S-B4-(0)

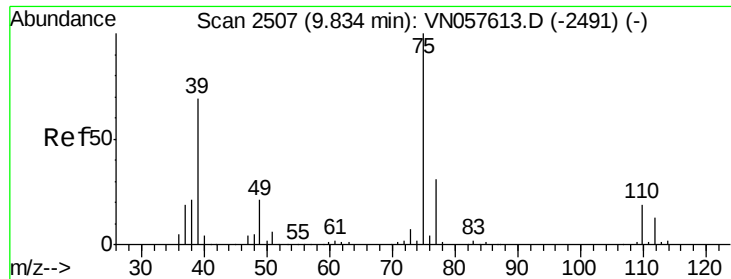
Tgt Ion: 98 Resp: 488796
Ion Ratio Lower Upper
98 100
100 62.6 49.8 74.8



#53
t-1,3-Dichloropropene
Concen: 3.392 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.14 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

Tgt Ion: 75 Resp: 832
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#



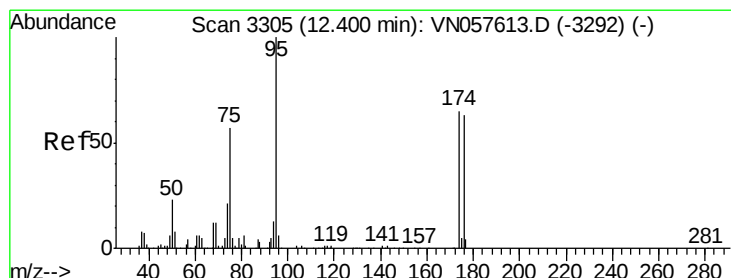
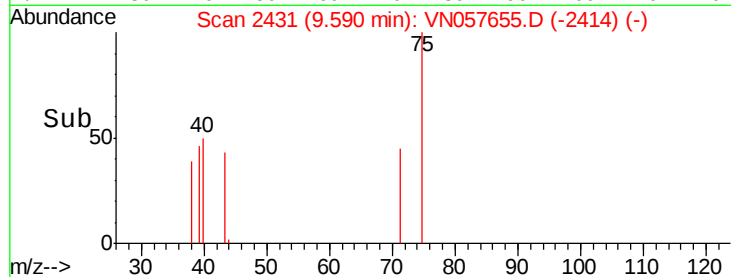
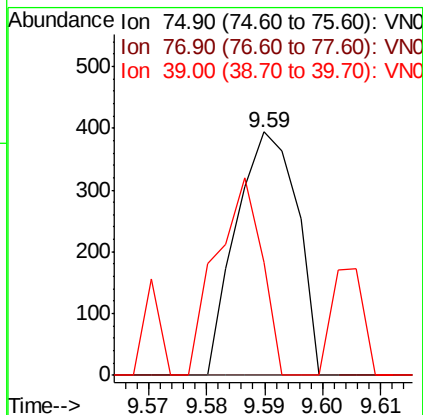
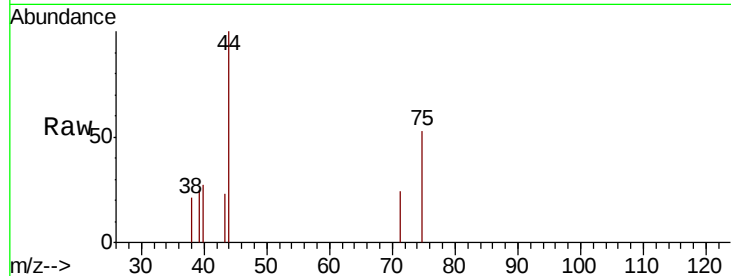


#54

cis-1,3-Dichloropropene
 Concen: 1.868 ug/l
 RT: 9.59 min Scan# 2431
 Delta R.T. -0.24 min
 Lab File: VN057655.D
 Acq: 1 Sep 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S-B4-(0)

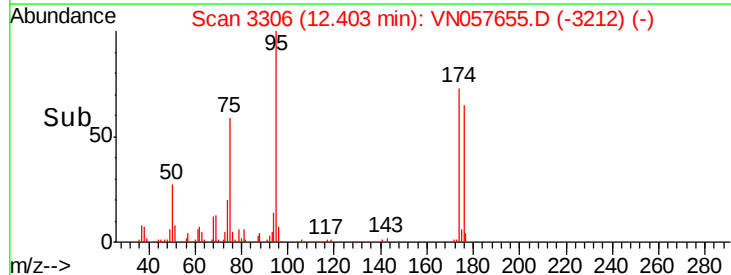
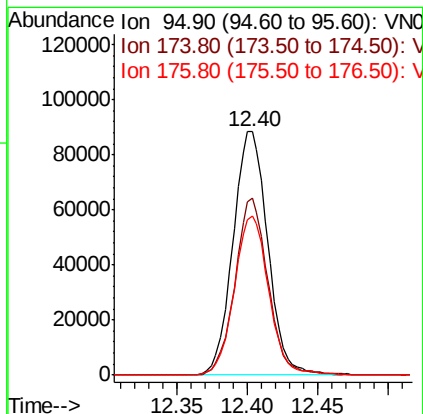
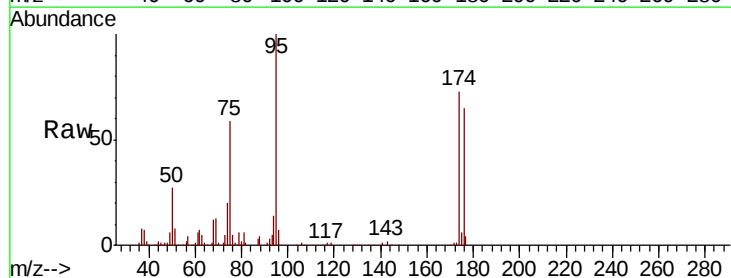
Tgt Ion: 75 Resp: 287
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 46.4 55.0 82.4#

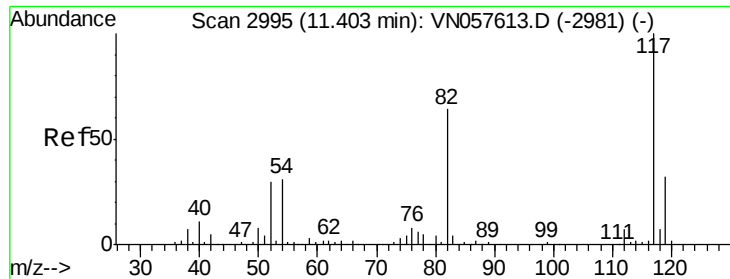


#62

4-Bromofluorobenzene
 Concen: 39.926 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057655.D
 Acq: 1 Sep 2019 19:50

Tgt Ion: 95 Resp: 152840
 Ion Ratio Lower Upper
 95 100
 174 69.2 0.0 134.8
 176 64.8 0.0 131.6

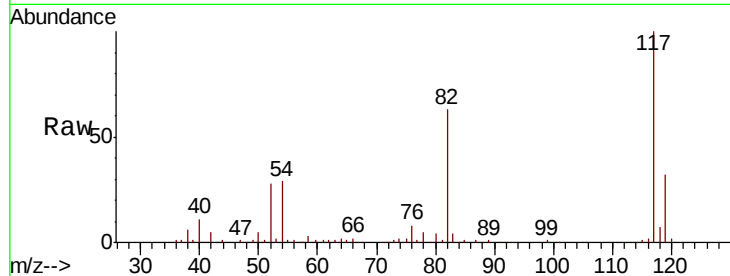




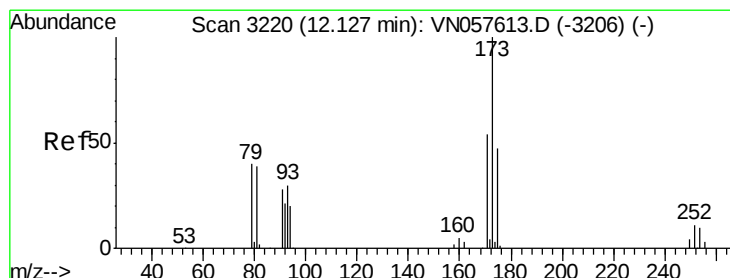
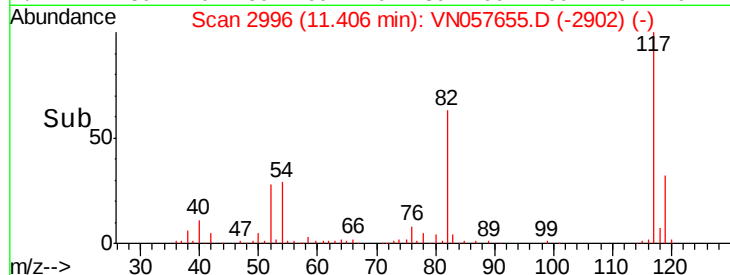
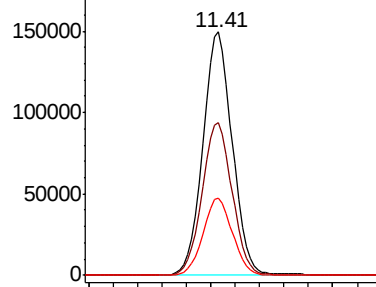
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
T1-S-B4-(0)

Tgt Ion:117 Resp: 249787
Ion Ratio Lower Upper
117 100
82 62.6 51.6 77.4
119 31.8 25.8 38.6

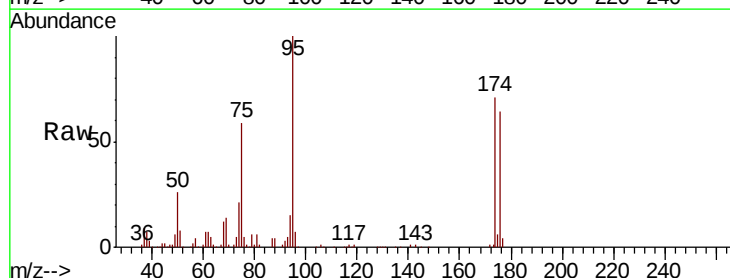


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

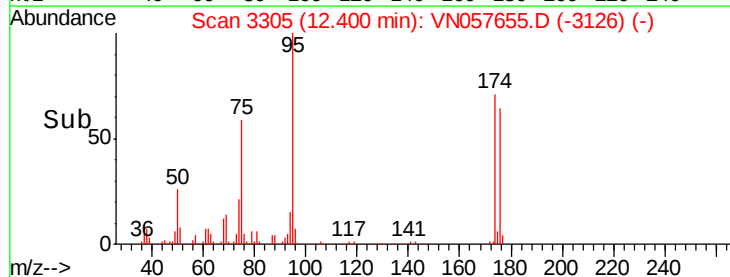
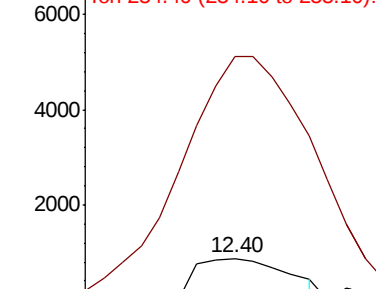


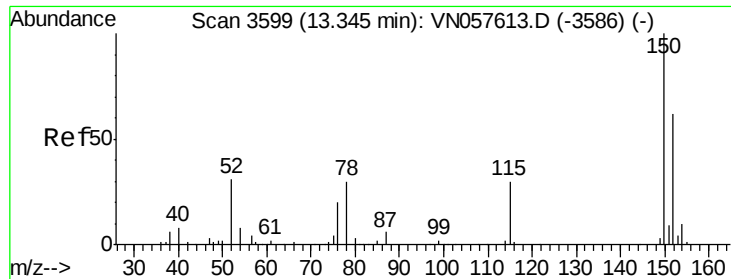
#71
Bromoform
Concen: 6.738 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN057655.D
Acq: 1 Sep 2019 19:50

Tgt Ion:173 Resp: 961
Ion Ratio Lower Upper
173 100
175 756.6 24.4 73.4#
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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B4-(0)

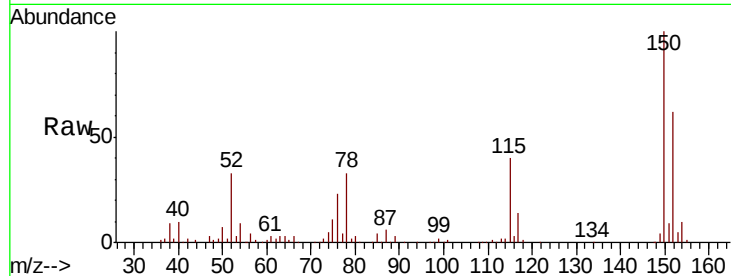
Tgt Ion:152 Resp: 103921

Ion Ratio Lower Upper

152 100

115 64.8 33.2 99.6

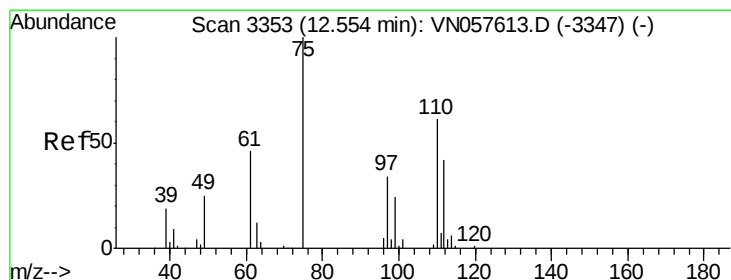
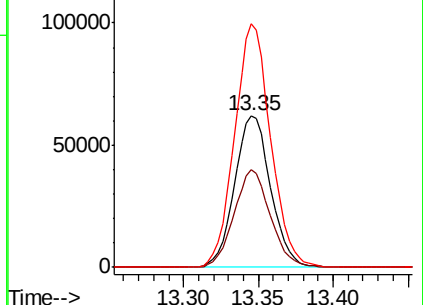
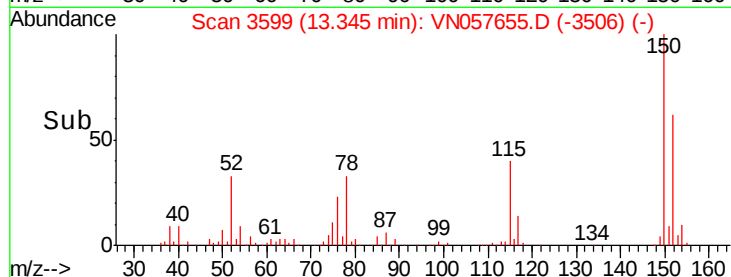
150 160.7 0.0 365.2



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: 33.445 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057655.D

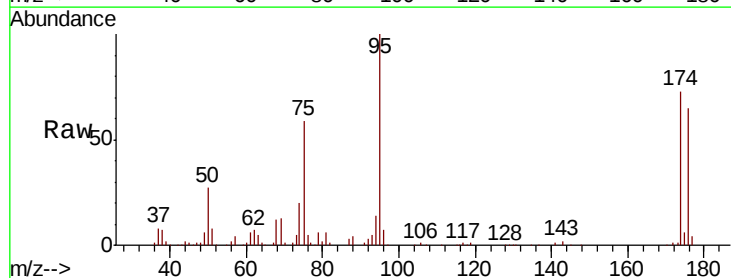
Acq: 1 Sep 2019 19:50

Tgt Ion: 75 Resp: 91425

Ion Ratio Lower Upper

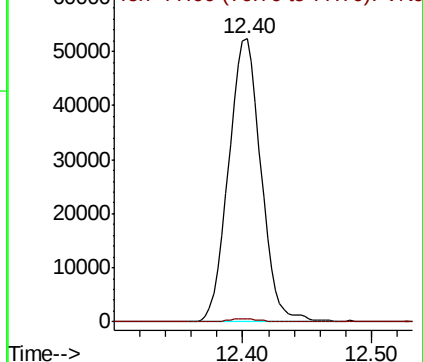
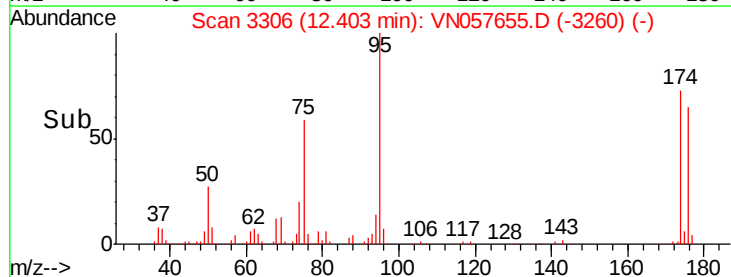
75 100

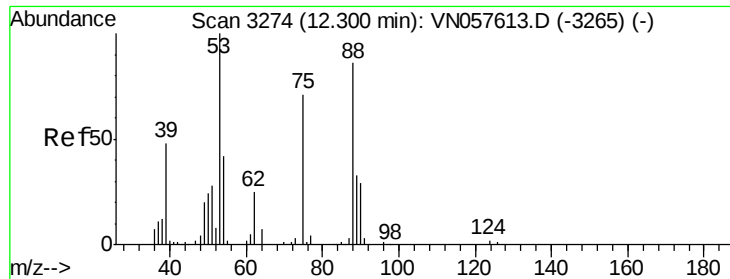
77 0.9 0.0 0.0#



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: 114.643 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B4-(0)

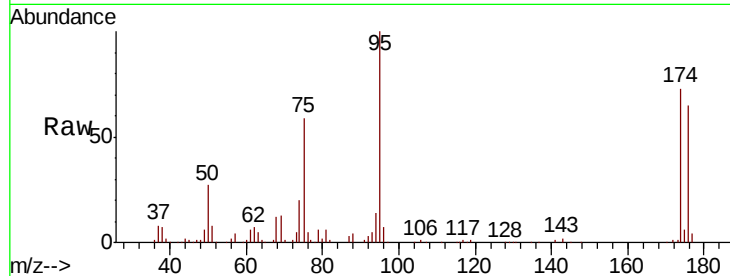
Tgt Ion: 75 Resp: 91425

Ion Ratio Lower Upper

75 100

53 0.0 111.0 166.6#

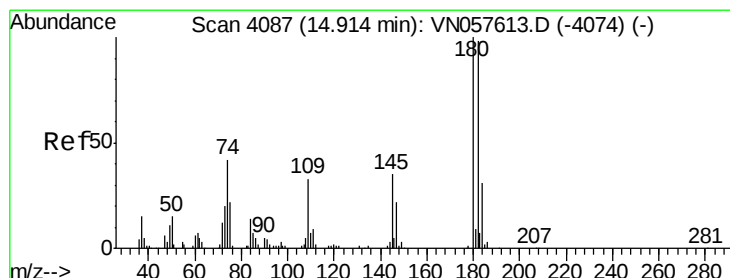
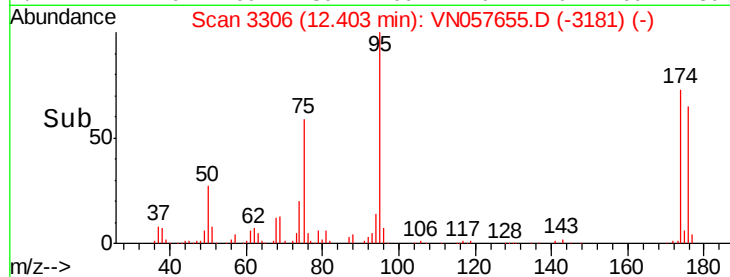
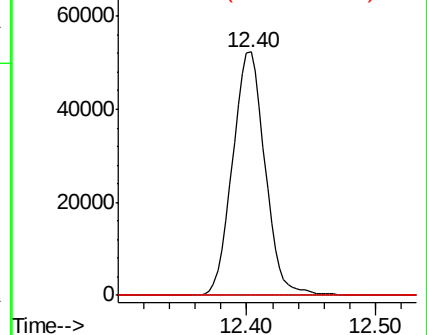
89 0.0 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VN057613.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057613.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057613.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 8.360 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

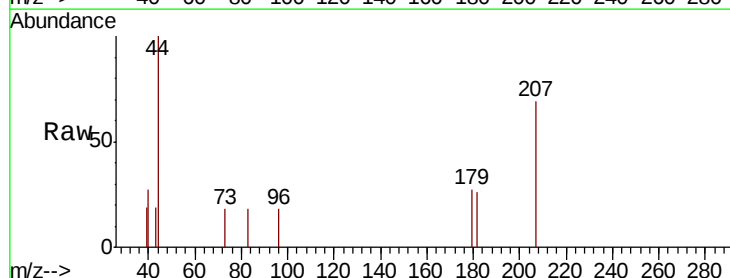
Tgt Ion: 180 Resp: 115

Ion Ratio Lower Upper

180 100

182 141.7 47.8 143.3

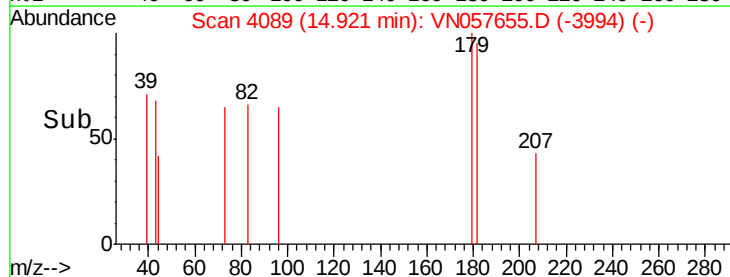
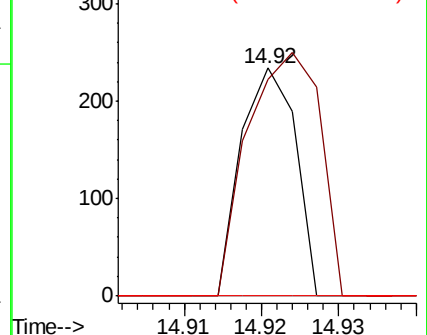
145 0.0 16.9 50.7#

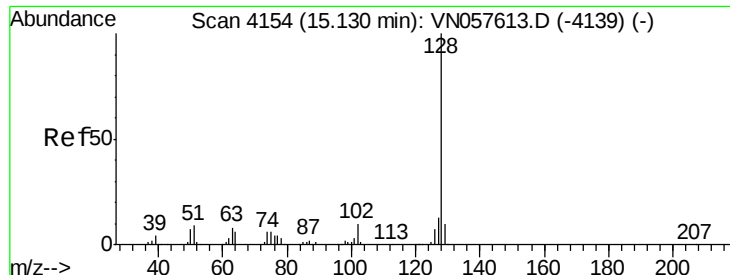


Abundance Ion 179.80 (179.50 to 180.50): VN057613.D (-4074) (-)

Ion 181.80 (181.50 to 182.50): VN057613.D (-4074) (-)

Ion 144.80 (144.50 to 145.50): VN057613.D (-4074) (-)





#95

Naphthalene

Concen: 7.054 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

Instrument :

MSVOA_N

ClientSampled :

T1-S-B4-(0)

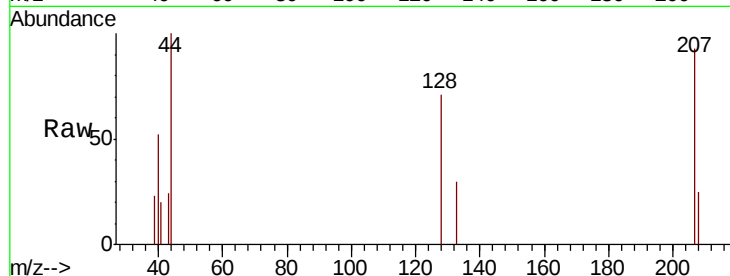
Tgt Ion:128 Resp: 792

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

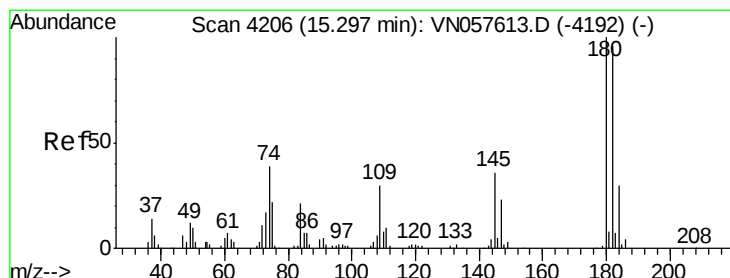
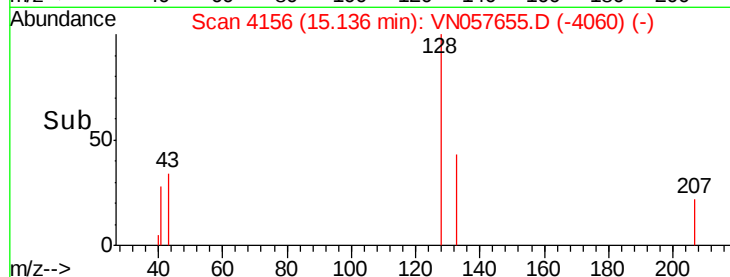
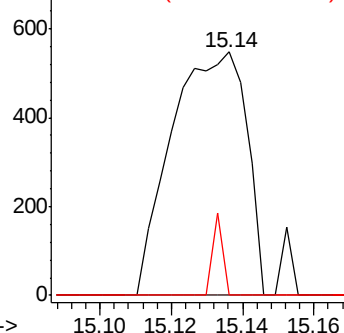
129 4.5 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 7.799 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. -0.01 min

Lab File: VN057655.D

Acq: 1 Sep 2019 19:50

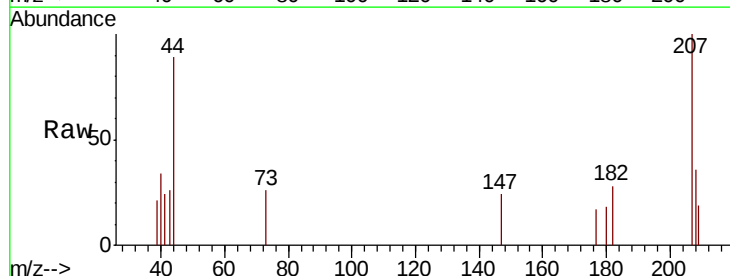
Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 723.8 46.3 138.9#

145 117.5 17.8 53.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

