

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057653.D
 Acq On : 1 Sep 2019 19:00
 Operator : JC/SP
 Sample : K4517-14
 Misc : 4.81g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T4-S-C-(2.5)

Quant Time: Sep 02 01:57:25 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	161595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	276571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	228129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	100004	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	251220	68.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.64%	
35) Dibromofluoromethane	7.58	113	141992	58.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.58%	
50) Toluene-d8	10.08	98	580713	62.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.26%	
62) 4-Bromofluorobenzene	12.40	95	180271	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

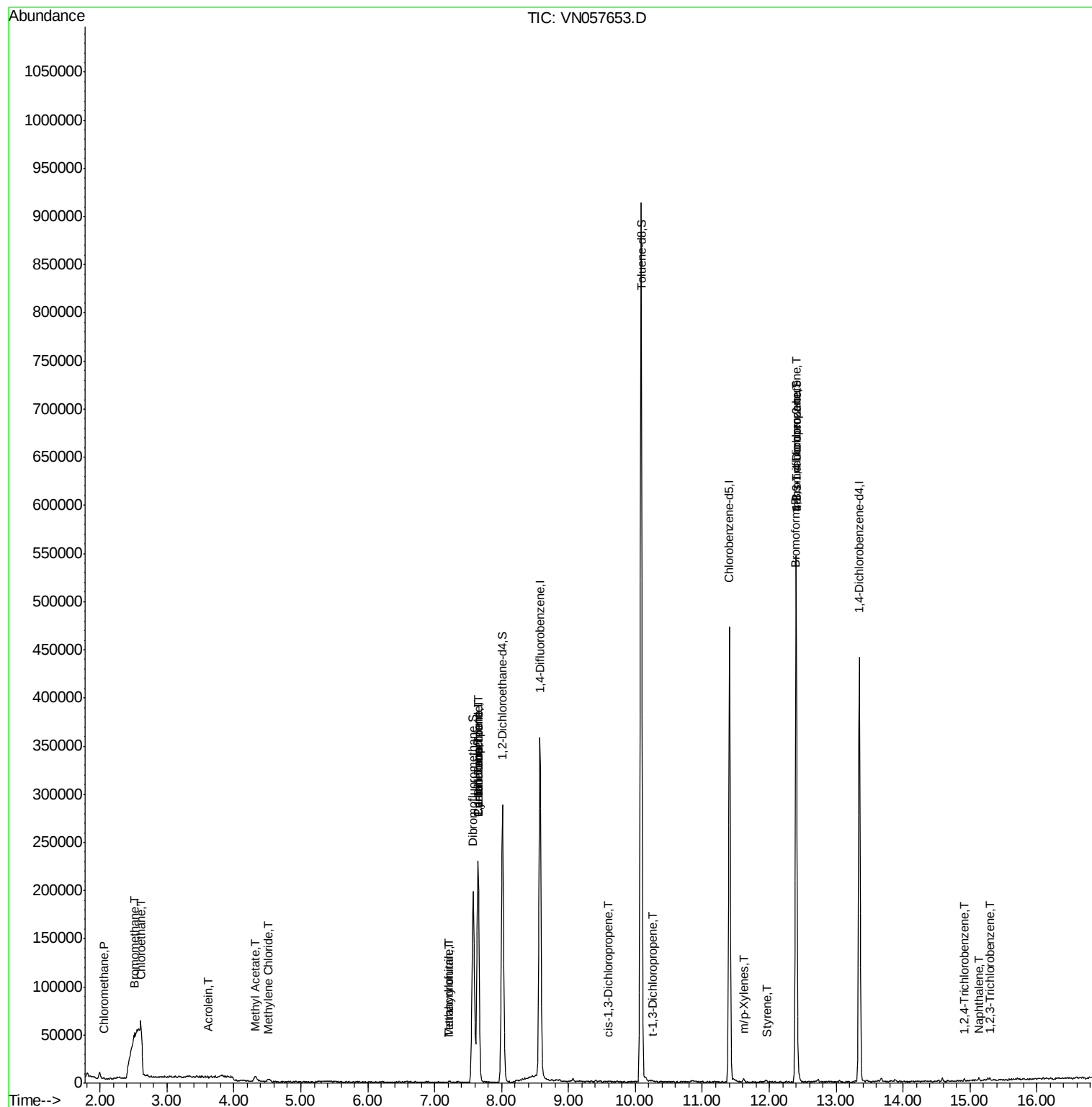
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	909	0.305	ug/l	99
5) Bromomethane	2.51	94	726	0.492	ug/l #	33
6) Chloroethane	2.63	64	316	0.242	ug/l #	47
13) Acrolein	3.60	56	163	1.071	ug/l #	56
18) Methyl Acetate	4.32	43	11977	3.410	ug/l #	71
20) Methylene Chloride	4.51	84	948	0.374	ug/l #	78
29) Tetrahydrofuran	7.21	42	439	0.410	ug/l #	59
31) Cyclohexane	7.65	56	5795	1.198	ug/l #	50
36) 1,1-Dichloropropene	7.65	75	16021	4.369	ug/l #	52
38) Carbon Tetrachloride	7.64	117	17674	5.385	ug/l #	14
41) Methacrylonitrile	7.21	41	290	2.424	ug/l #	48
53) t-1,3-Dichloropropene	10.25	75	183	3.262	ug/l #	45
54) cis-1,3-Dichloropropene	9.59	75	29	1.819	ug/l #	24
68) m/p-Xylenes	11.62	106	836	0.214	ug/l	97
70) Styrene	11.98	104	175	2.608	ug/l #	23
71) Bromoform	12.39	173	180	6.326	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	108547	41.264	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	108547	141.445	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	869	8.796	ug/l	78
95) Naphthalene	15.13	128	2581	7.420	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.30	180	541	8.079	ug/l	76

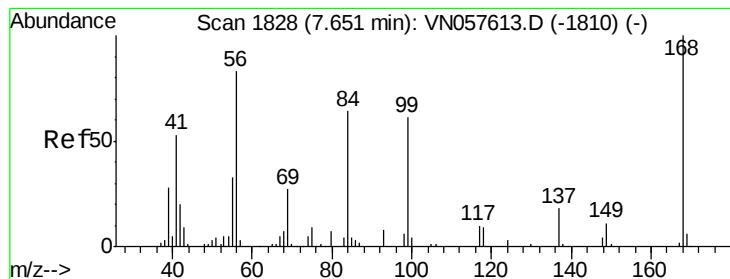
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

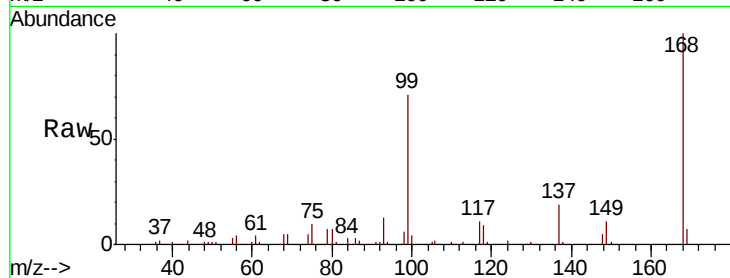
T4-S-C-(2.5)

Tgt Ion: 168 Resp: 161595

Ion Ratio Lower Upper

168 100

99 70.3 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

60000

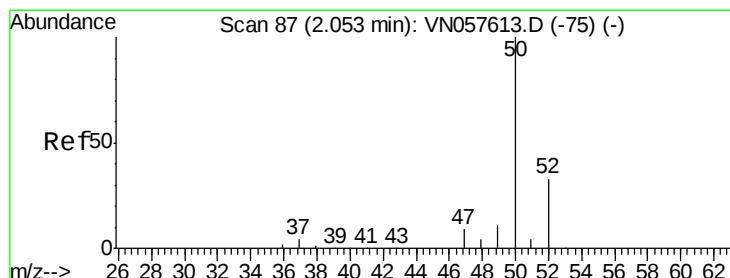
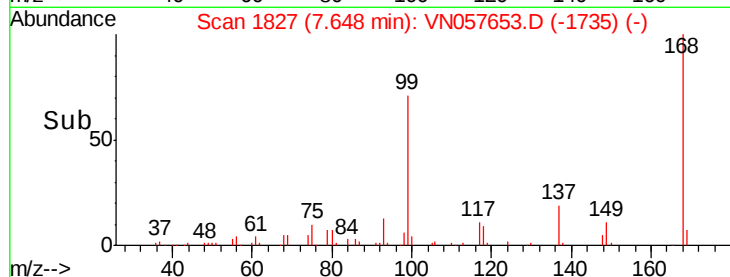
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.01 min

Lab File: VN057653.D

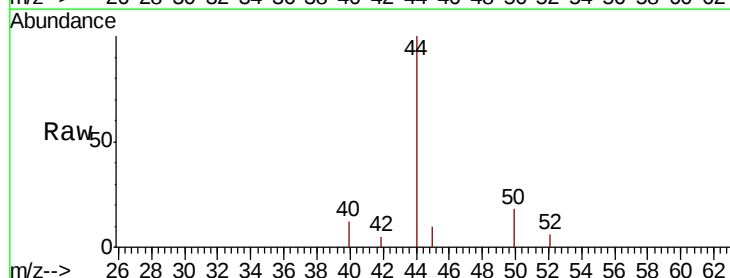
Acq: 1 Sep 2019 19:00

Tgt Ion: 50 Resp: 909

Ion Ratio Lower Upper

50 100

52 34.1 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) (-)

2.05

600

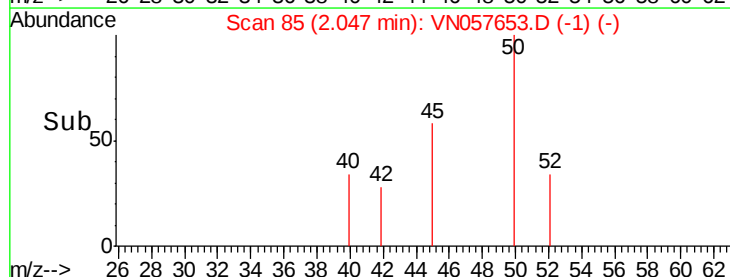
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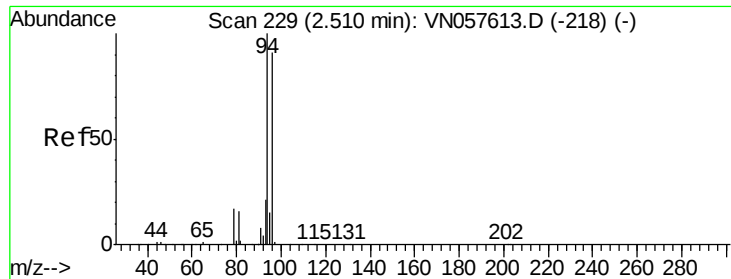
200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 0.492 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.00 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

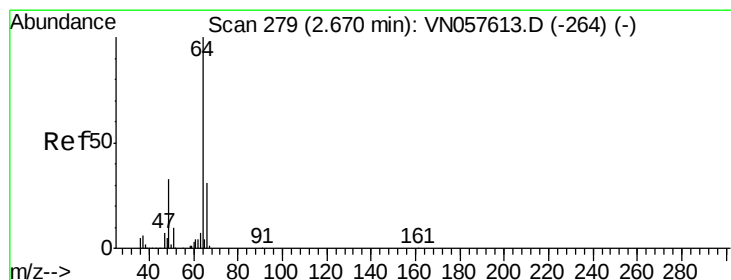
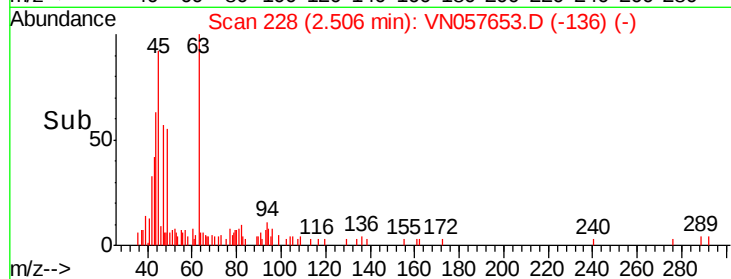
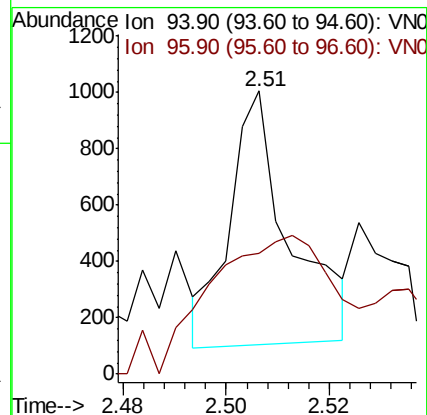
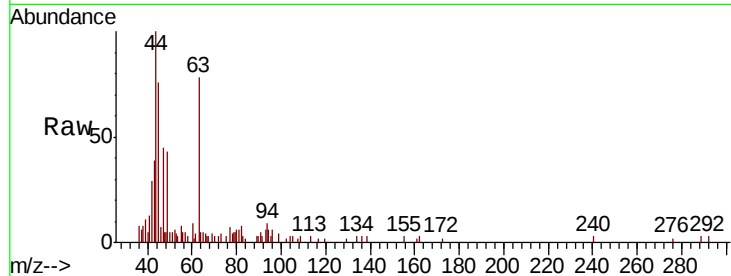
T4-S-C-(2.5)

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 27.8 72.9 109.3#



#6

Chloroethane

Concen: 0.242 ug/l

RT: 2.63 min Scan# 265

Delta R.T. -0.05 min

Lab File: VN057653.D

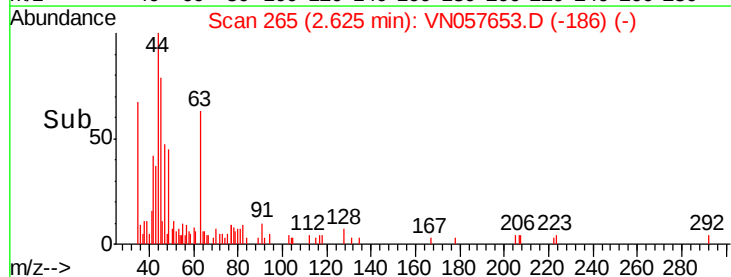
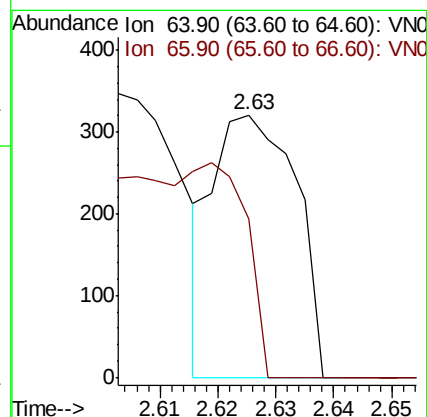
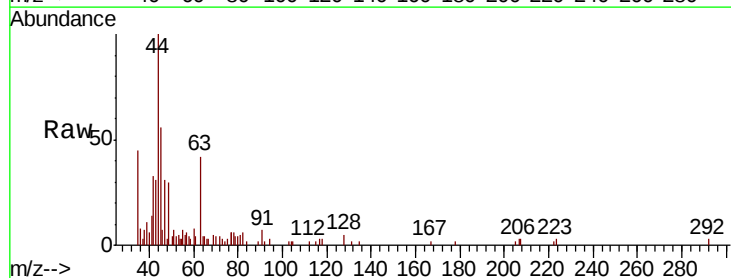
Acq: 1 Sep 2019 19:00

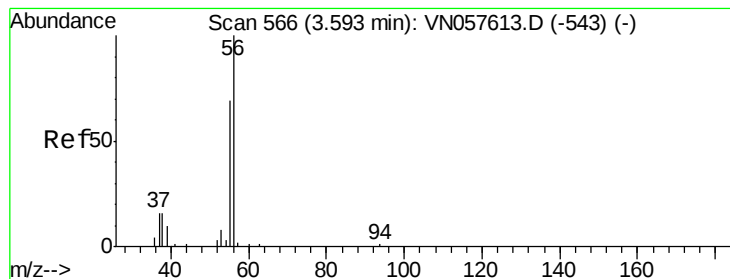
Tgt Ion: 64 Resp: 316

Ion Ratio Lower Upper

64 100

66 60.1 24.7 37.1#





#13

Acrolein

Concen: 1.071 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

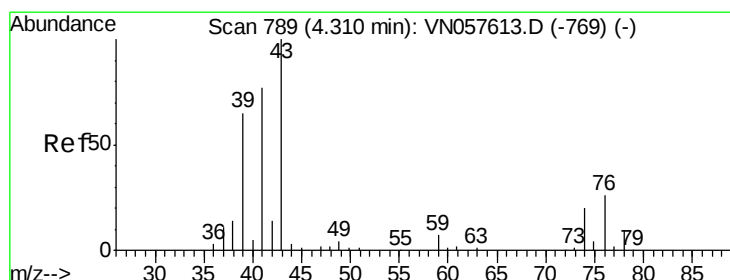
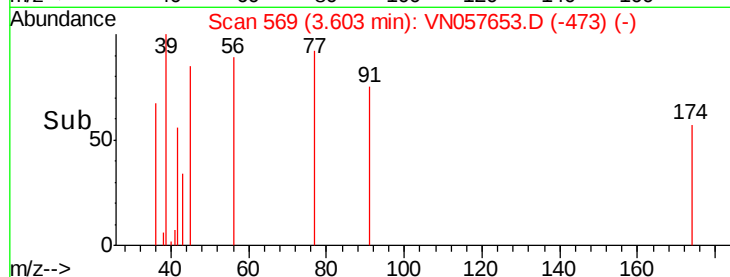
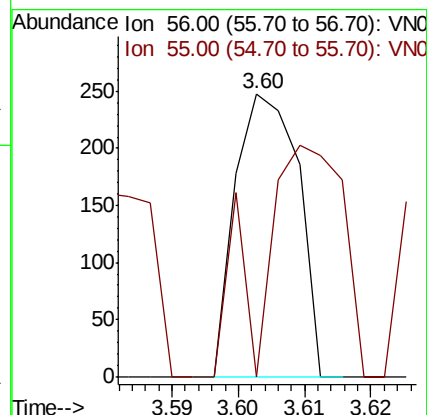
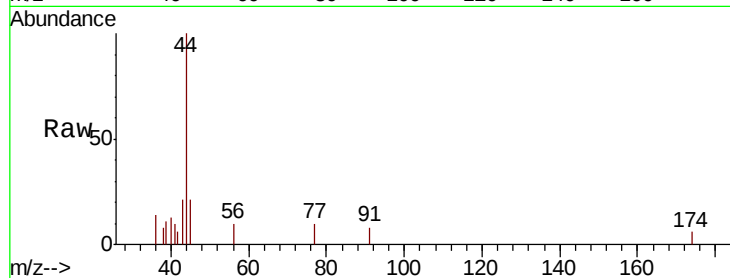
T4-S-C-(2.5)

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 106.7 56.5 84.7#



#18

Methyl Acetate

Concen: 3.410 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN057653.D

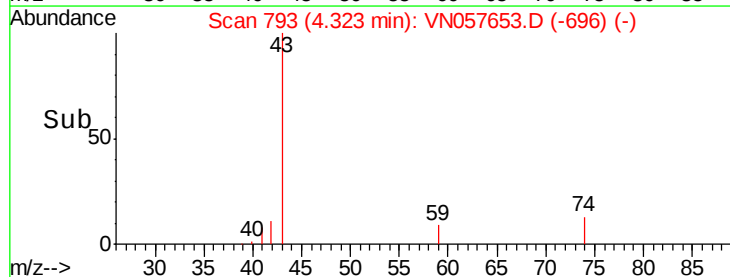
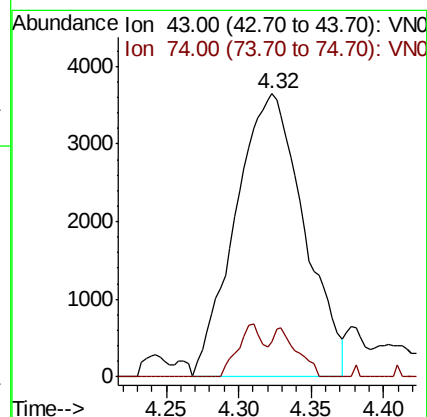
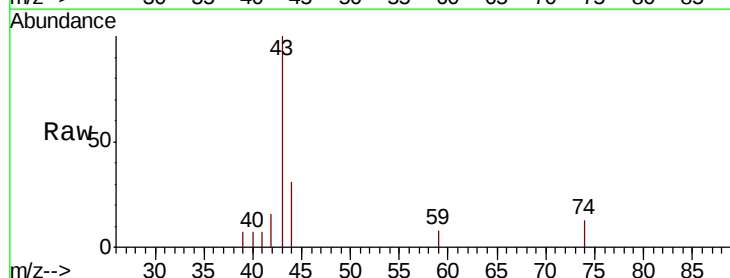
Acq: 1 Sep 2019 19:00

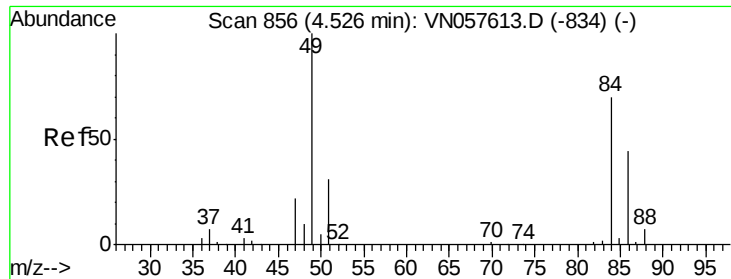
Tgt Ion: 43 Resp: 11977

Ion Ratio Lower Upper

43 100

74 6.3 15.7 23.5#

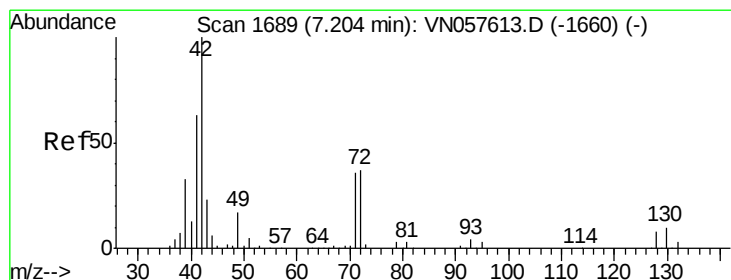
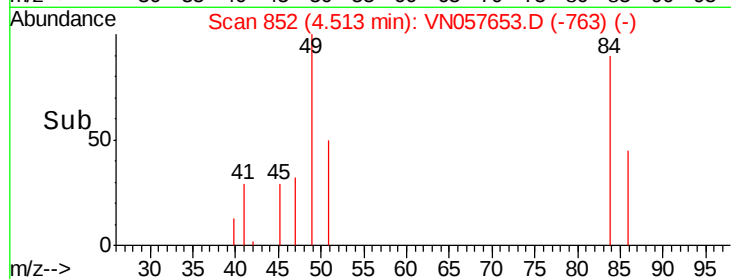
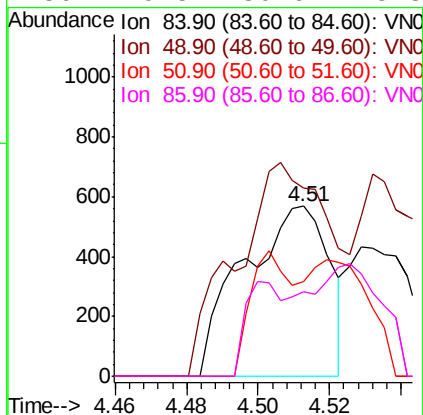
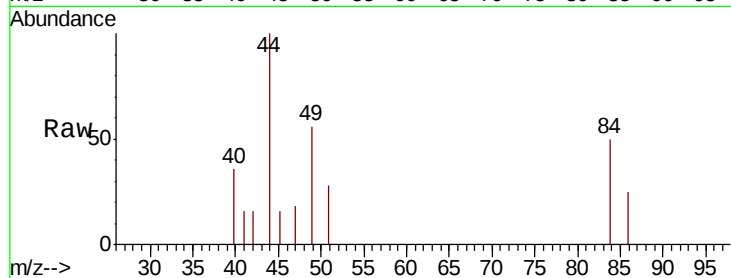




#20
Methylene Chloride
Concen: 0.374 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

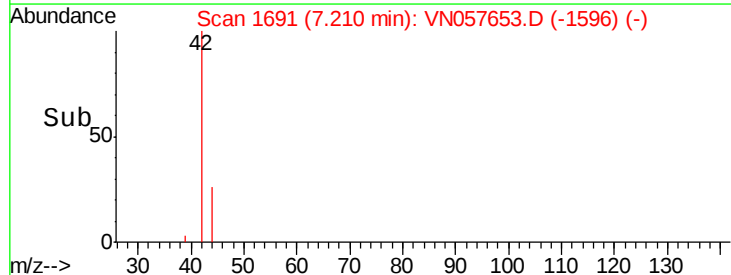
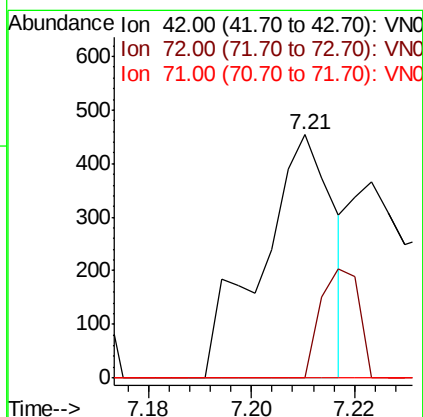
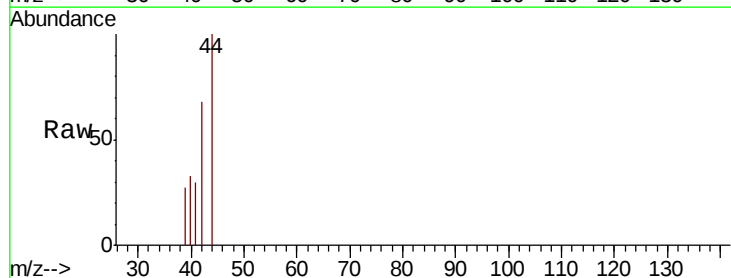
Instrument :
MSVOA_N
ClientSampled :
T4-S-C-(2.5)

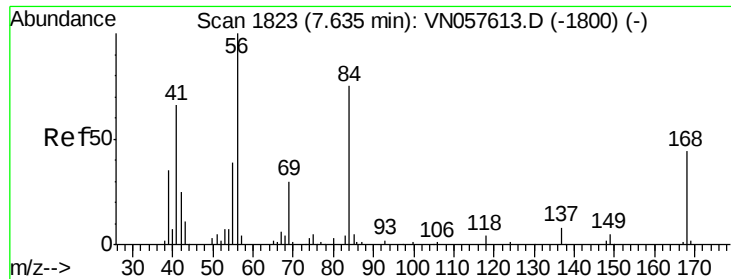
Tgt Ion: 84 Resp: 948
Ion Ratio Lower Upper
84 100
49 111.1 113.8 170.6#
51 55.8 35.0 52.6#
86 49.5 50.6 75.8#



#29
Tetrahydrofuran
Concen: 0.410 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

Tgt Ion: 42 Resp: 439
Ion Ratio Lower Upper
42 100
72 23.9 29.6 44.4#
71 0.0 27.9 41.9#

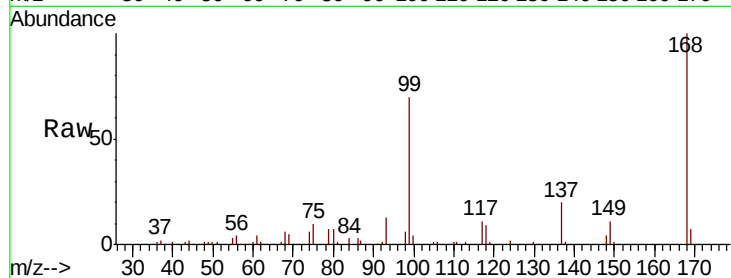




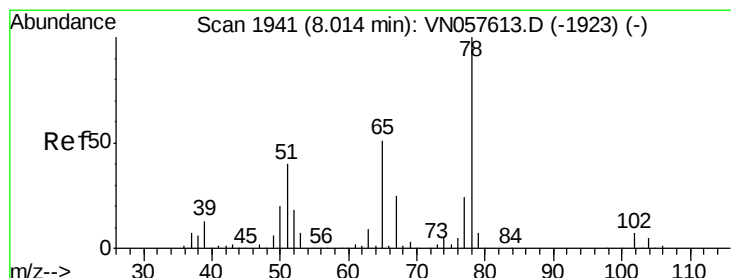
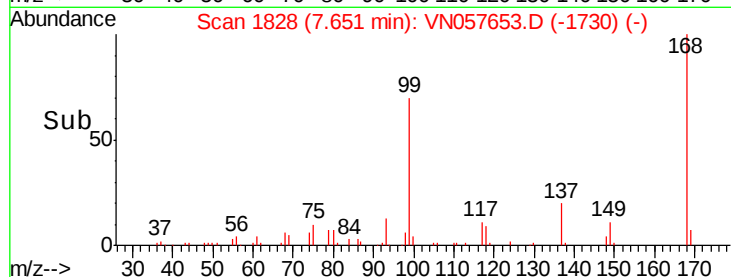
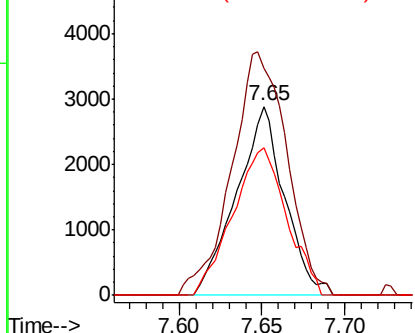
#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
T4-S-C-(2.5)

Tgt Ion: 56 Resp: 5795
Ion Ratio Lower Upper
56 100
69 120.2 24.4 36.6#
84 77.8 59.9 89.9

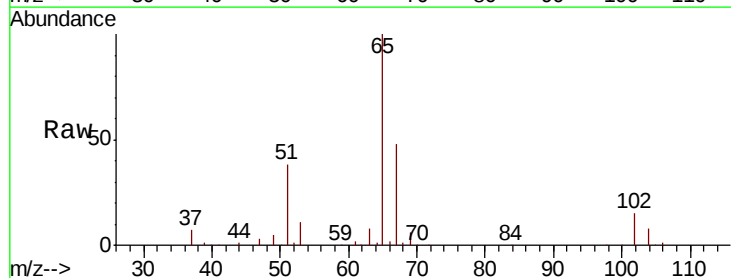


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

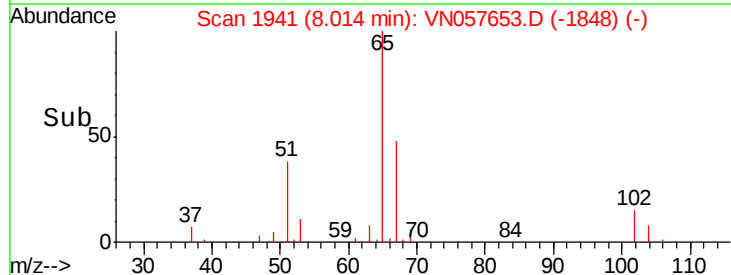
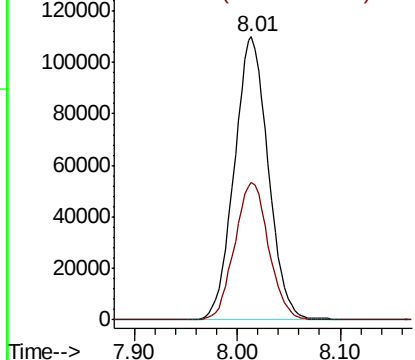


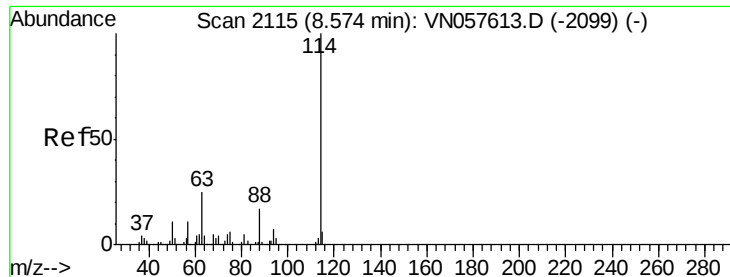
#33
1,2-Dichloroethane-d4
Concen: 68.820 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

Tgt Ion: 65 Resp: 251220
Ion Ratio Lower Upper
65 100
67 48.8 0.0 102.2



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

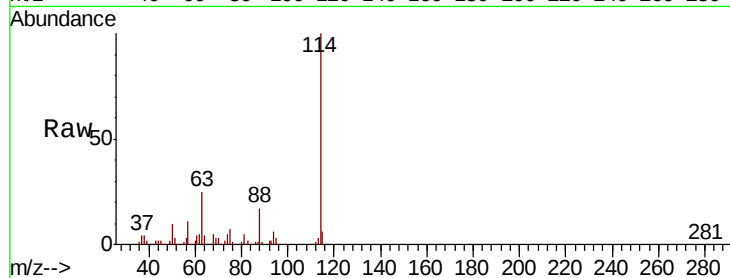




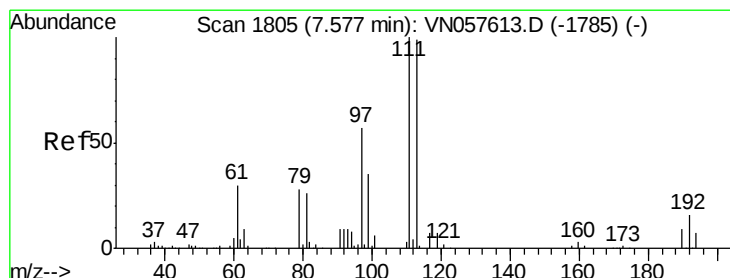
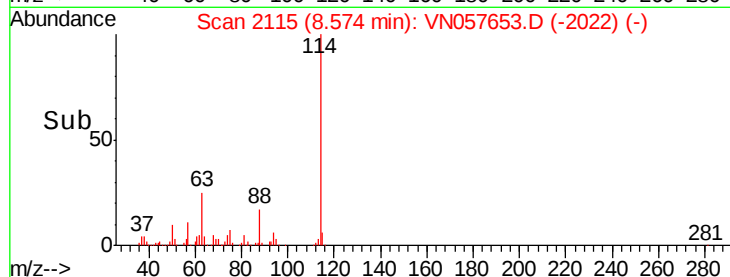
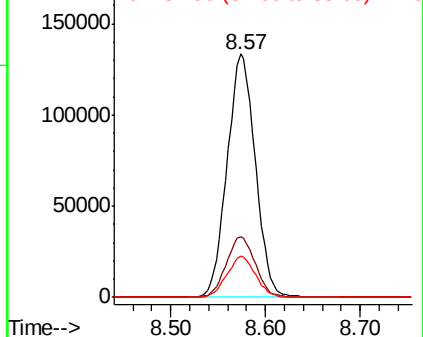
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

Instrument :
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 T4-S-C-(2.5)

Tgt Ion:114 Resp: 276571
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.0
 88 16.9 0.0 33.0

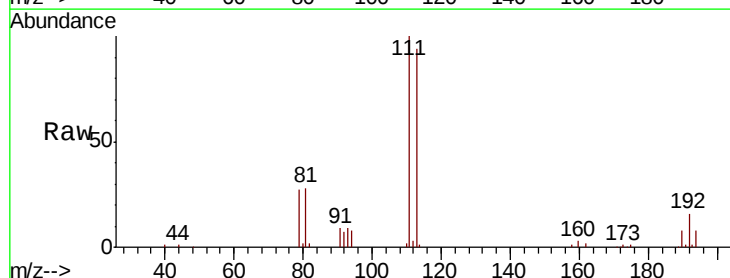


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

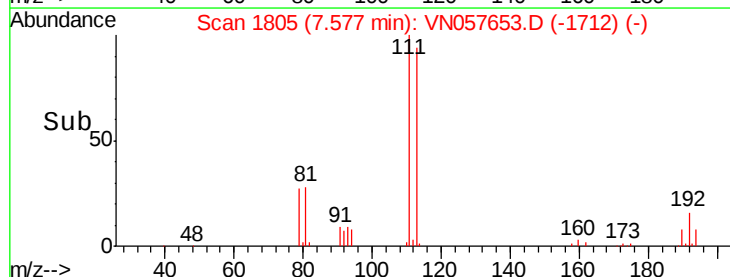
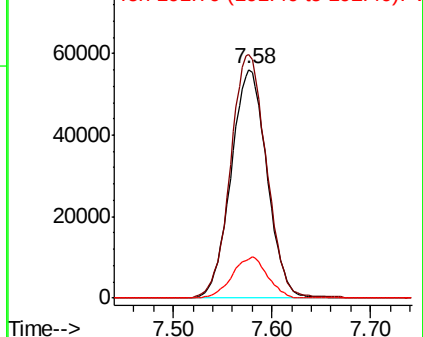


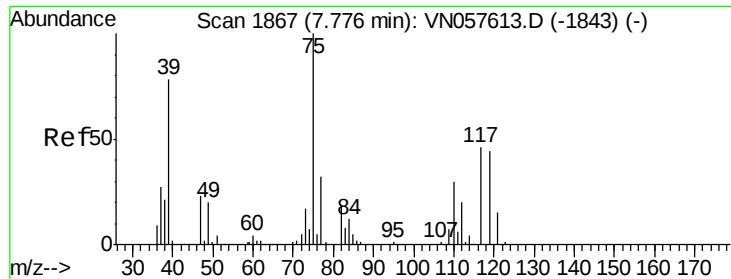
#35
 Dibromofluoromethane
 Concen: 58.790 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

Tgt Ion:113 Resp: 141992
 Ion Ratio Lower Upper
 113 100
 111 106.4 81.3 121.9
 192 17.6 13.5 20.3



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

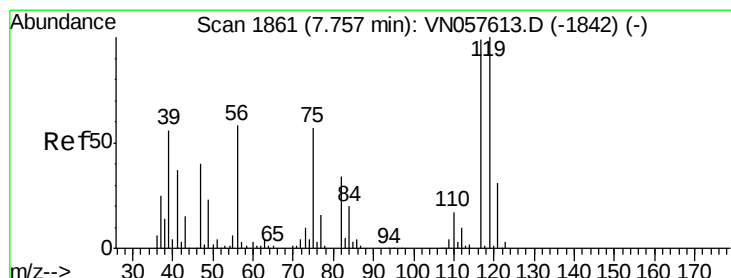
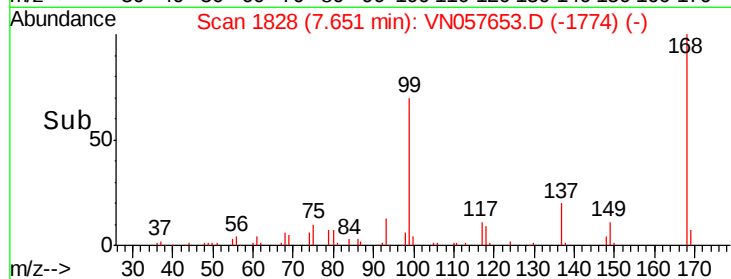
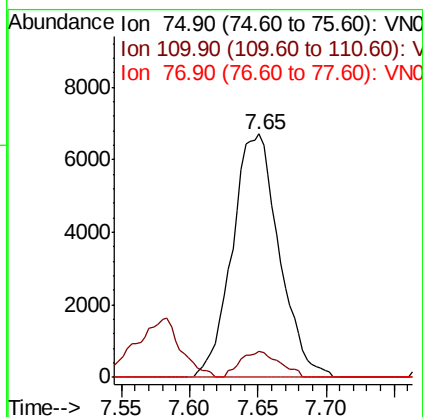
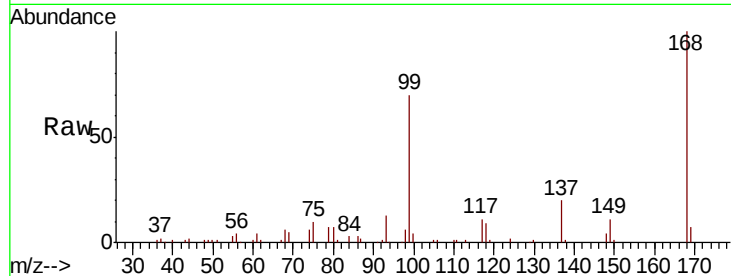




#36
 1,1-Dichloropropene
 Concen: 4.369 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

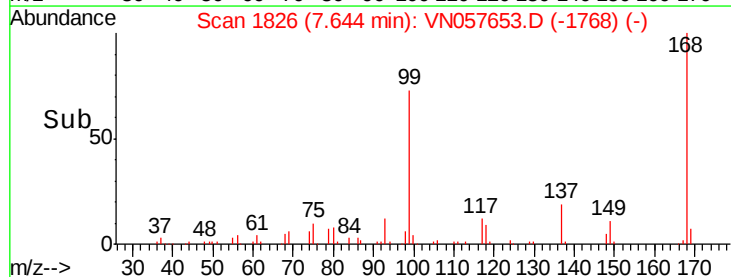
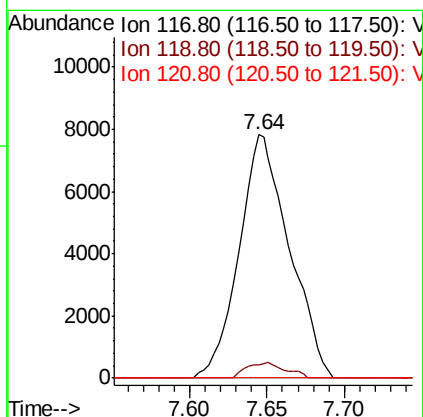
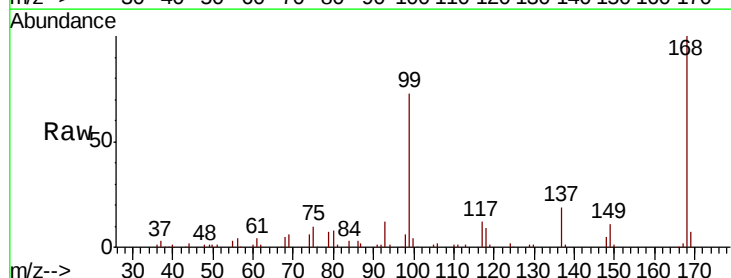
Instrument :
 MSVOA_N
 ClientSampleId :
 T4-S-C-(2.5)

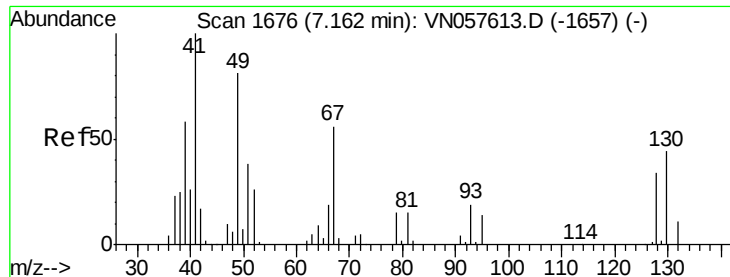
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.385 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	80.6	120.8#
121	0.0	25.1	37.7#

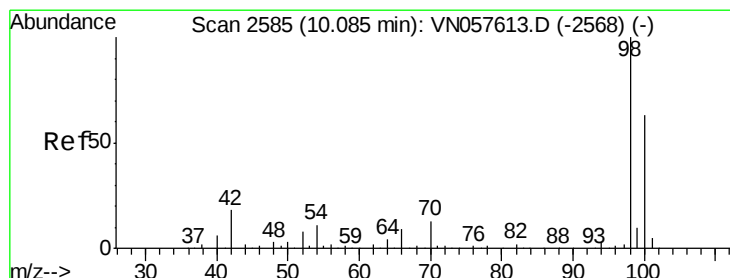
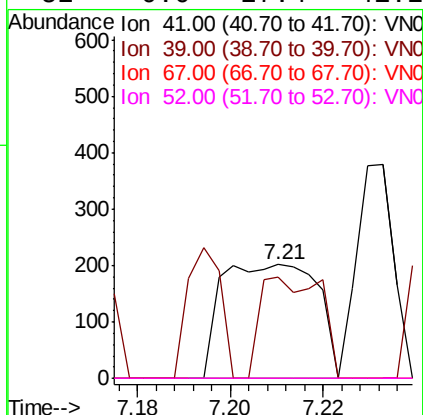
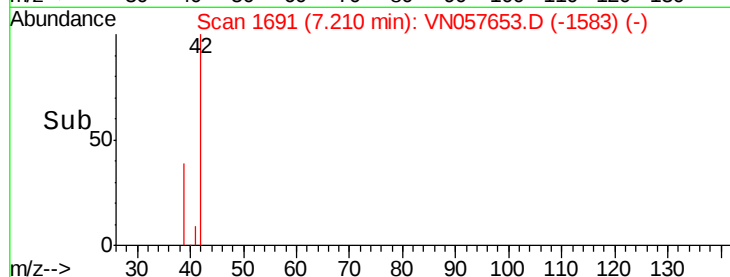
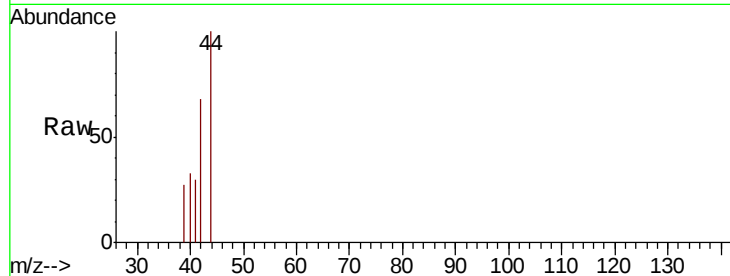




#41
Methacrylonitrile
Concen: 2.424 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.05 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

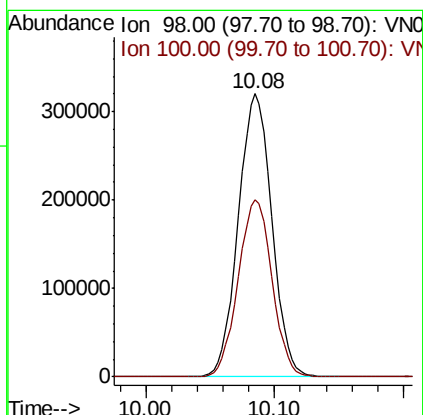
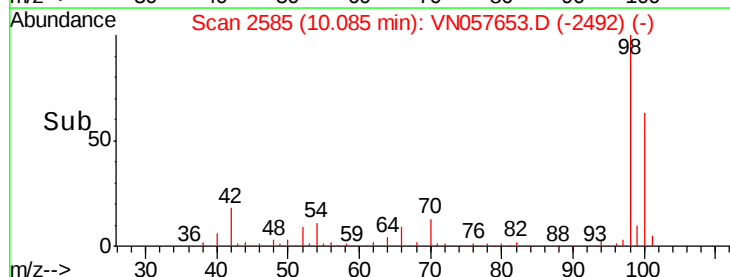
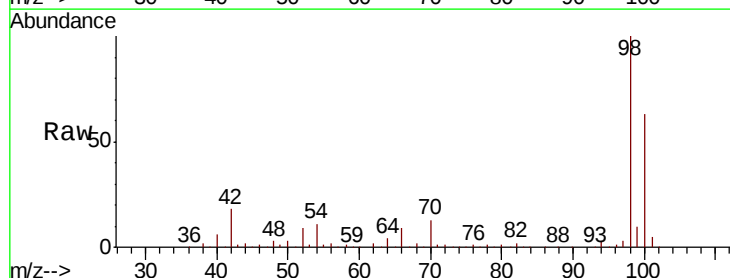
Instrument :
MSVOA_N
ClientSampled :
T4-S-C-(2.5)

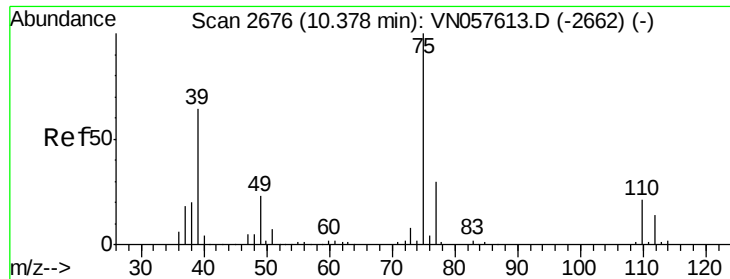
Tgt Ion: 41 Resp: 290
Ion Ratio Lower Upper
41 100
39 55.9 50.6 75.8
67 0.0 56.9 85.3#
52 0.0 27.4 41.2#



#50
Toluene-d8
Concen: 62.626 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

Tgt Ion: 98 Resp: 580713
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.8





#53

t-1,3-Dichloropropene

Concen: 3.262 ug/l

RT: 10.25 min Scan# 2635

Delta R.T. -0.13 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

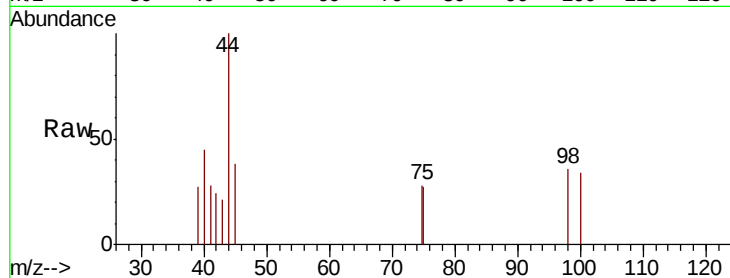
T4-S-C-(2.5)

Tgt Ion: 75 Resp: 183

Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.25

400

300

200

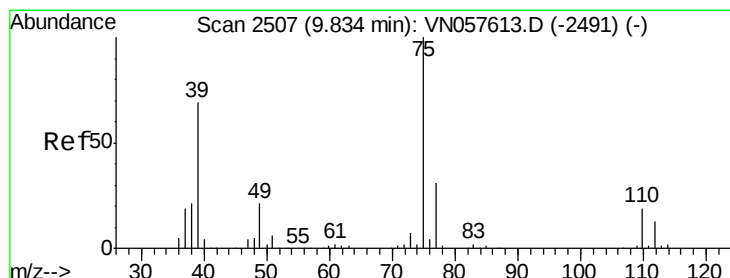
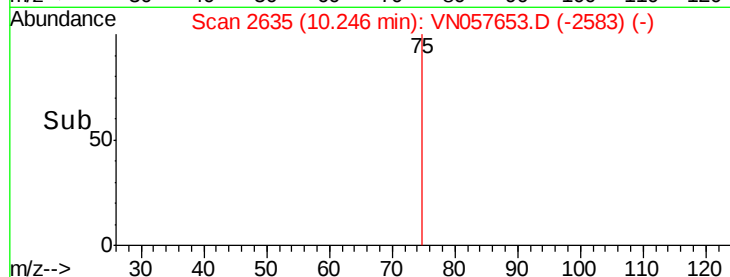
100

0

10.24

10.26

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.819 ug/l

RT: 9.59 min Scan# 2432

Delta R.T. -0.24 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

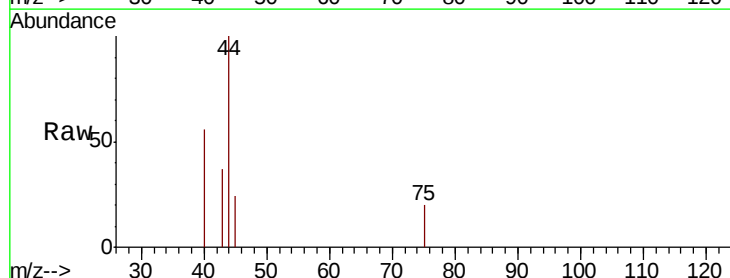
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 0.0 55.0 82.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.59

200

150

100

50

0

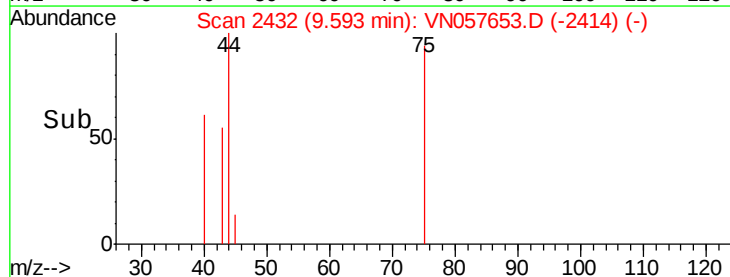
9.58

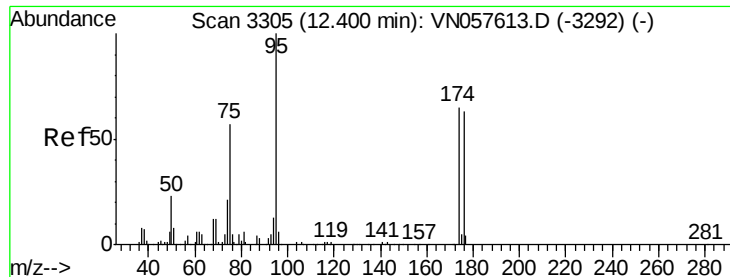
9.59

9.60

9.60

Time-->





#62

4-Bromofluorobenzene

Concen: 51.125 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

T4-S-C-(2.5)

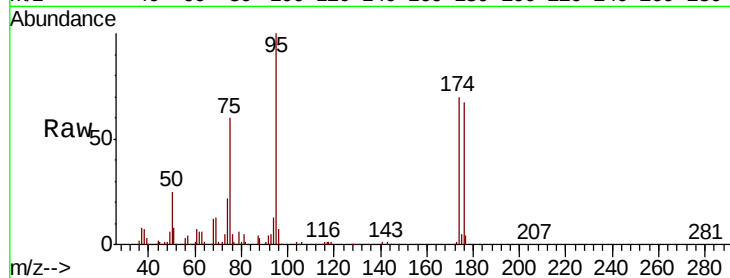
Tgt Ion: 95 Resp: 180271

Ion Ratio Lower Upper

95 100

174 69.2 0.0 134.8

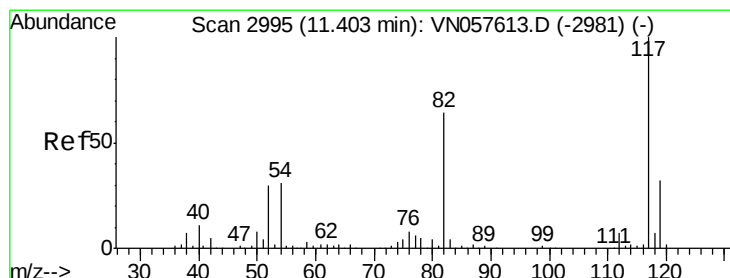
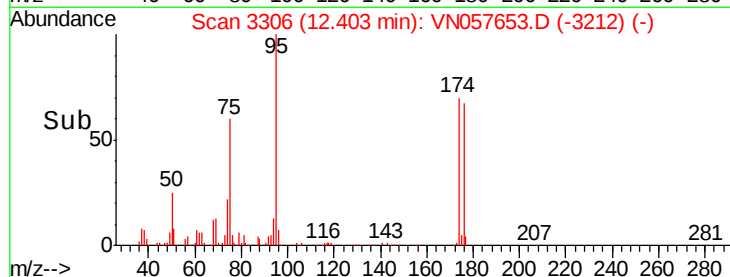
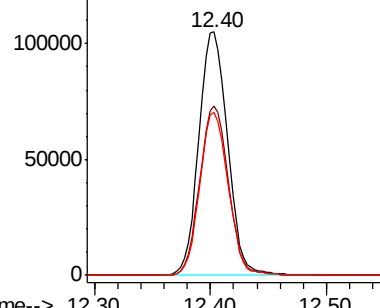
176 66.1 0.0 131.6



Abundance Ion 94.90 (94.60 to 95.60): VN057613.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN057613.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN057613.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

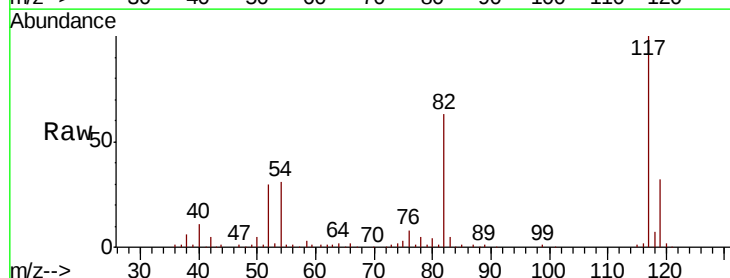
Tgt Ion: 117 Resp: 228129

Ion Ratio Lower Upper

117 100

82 63.2 51.6 77.4

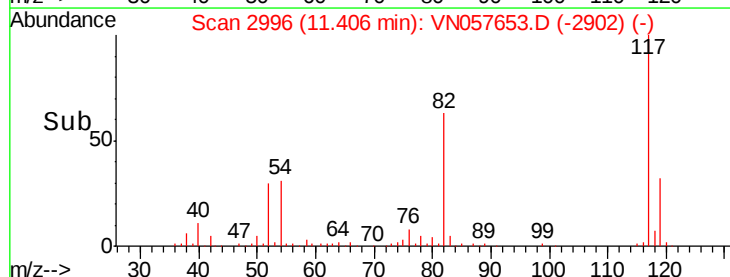
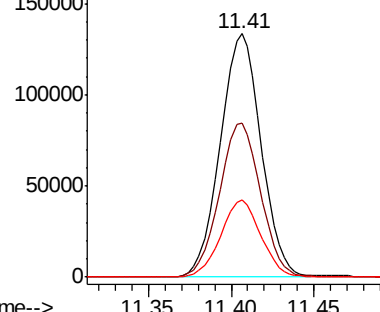
119 31.8 25.8 38.6

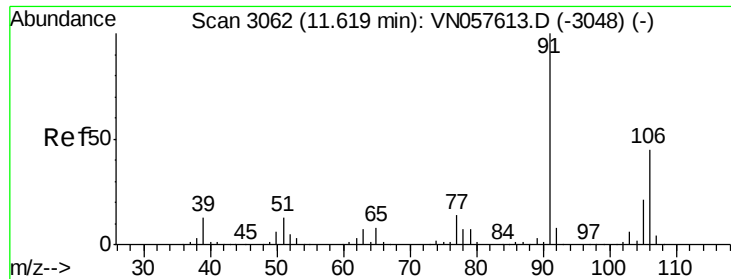


Abundance Ion 116.90 (116.60 to 117.60): VN057613.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057613.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057613.D (-2981) (-)

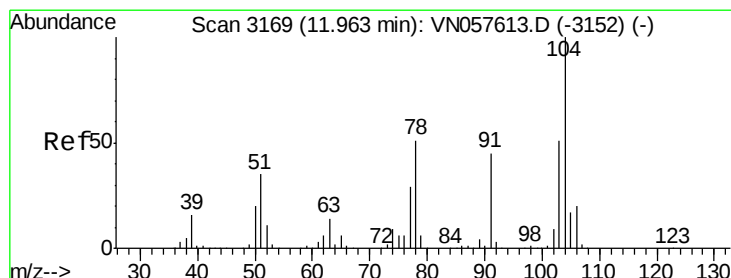
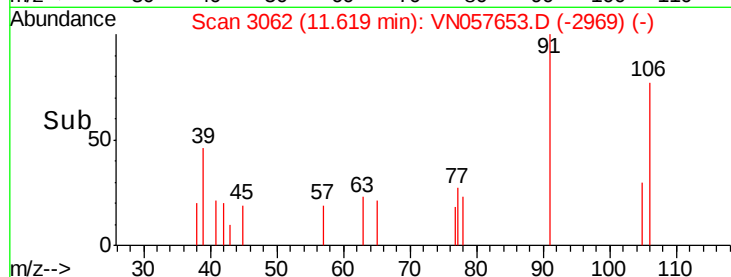
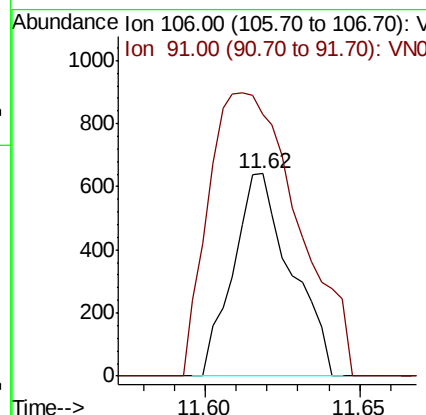
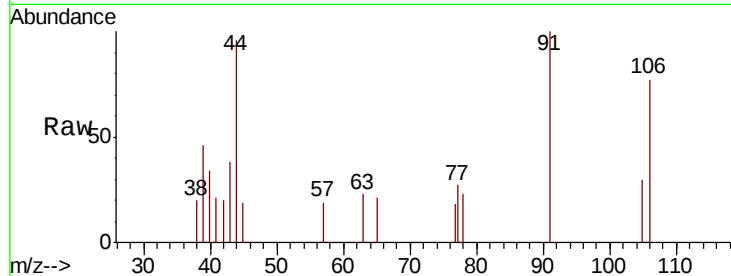




#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

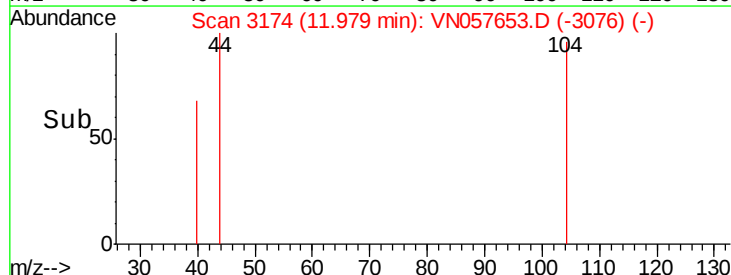
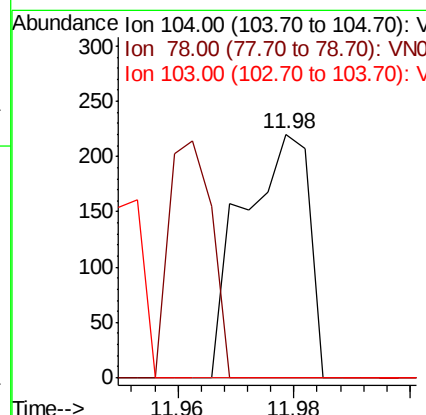
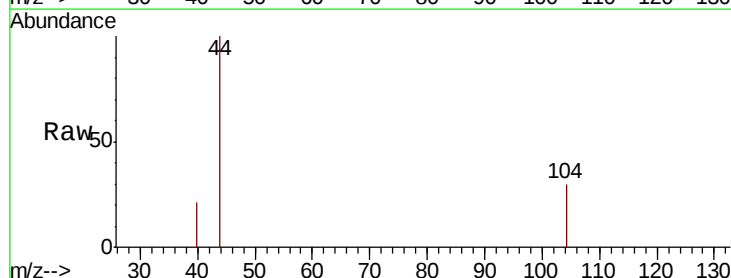
Instrument :
MSVOA_N
ClientSampled :
T4-S-C-(2.5)

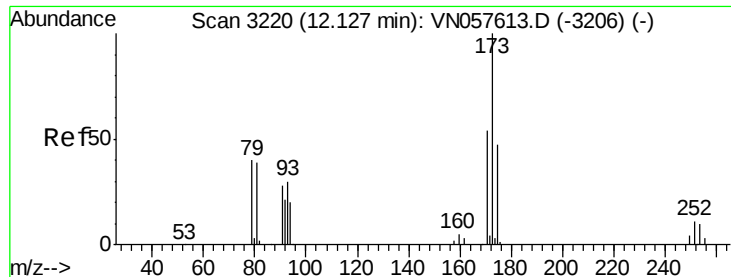
Tgt Ion:106 Resp: 836
Ion Ratio Lower Upper
106 100
91 215.8 176.2 264.2



#70
Styrene
Concen: 2.608 ug/l
RT: 11.98 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VN057653.D
Acq: 1 Sep 2019 19:00

Tgt Ion:104 Resp: 175
Ion Ratio Lower Upper
104 100
78 0.0 46.6 70.0#
103 0.0 44.7 67.1#





#71

Bromoform

Concen: 6.326 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

T4-S-C-(2.5)

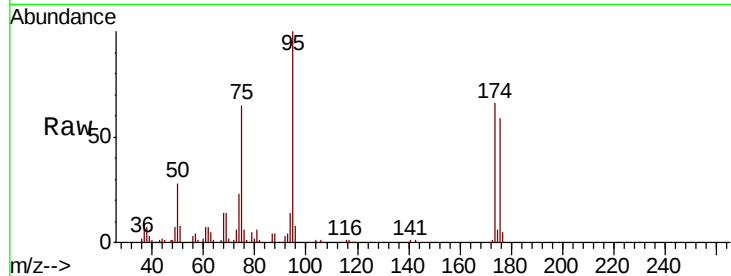
Tgt Ion:173 Resp: 180

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.4#

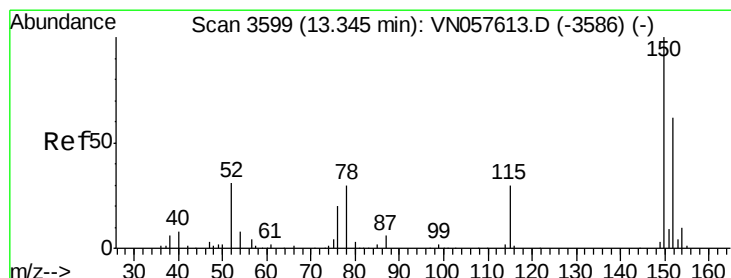
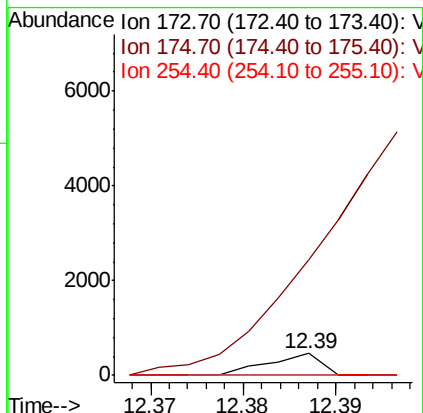
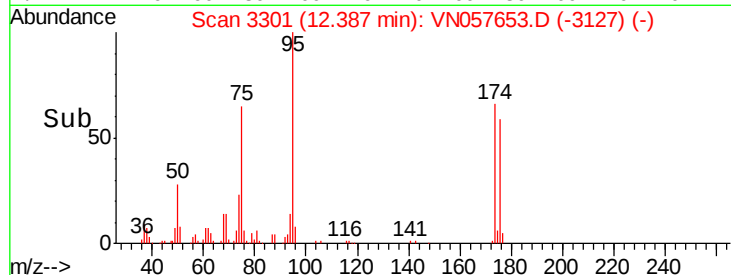
254 0.0 0.0 0.0



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: VN057653.D

Acq: 1 Sep 2019 19:00

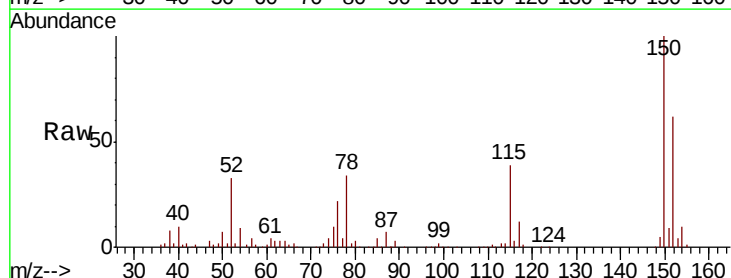
Tgt Ion:152 Resp: 100004

Ion Ratio Lower Upper

152 100

115 64.4 33.2 99.6

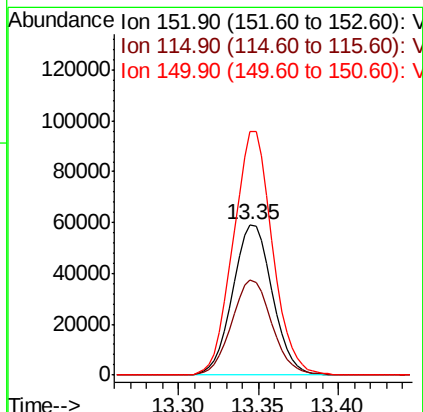
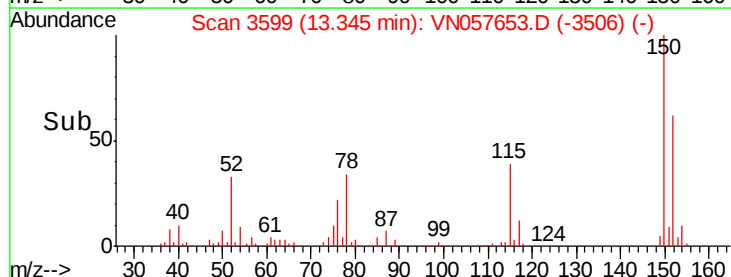
150 159.4 0.0 365.2

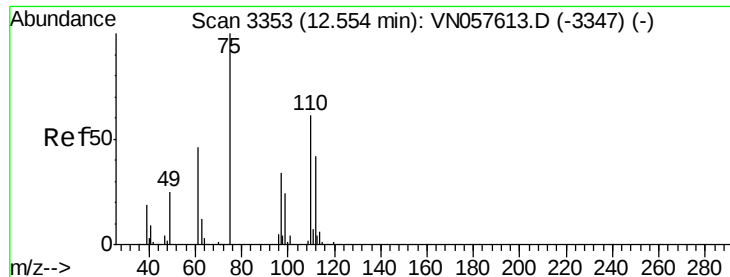


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 41.264 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

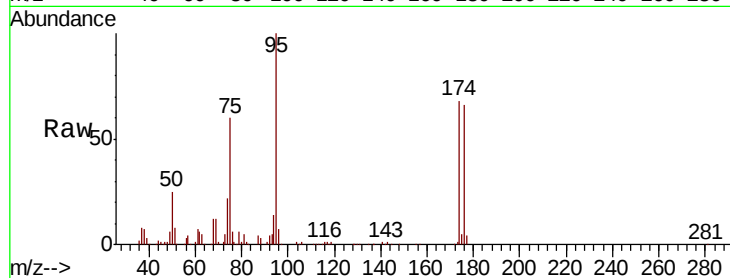
T4-S-C-(2.5)

Tgt Ion: 75 Resp: 108547

Ion Ratio Lower Upper

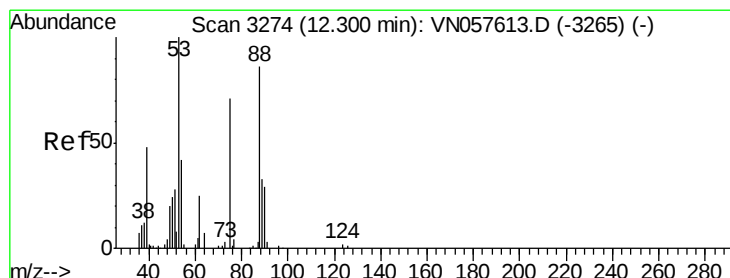
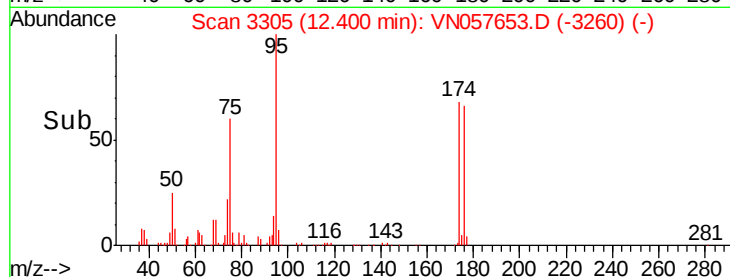
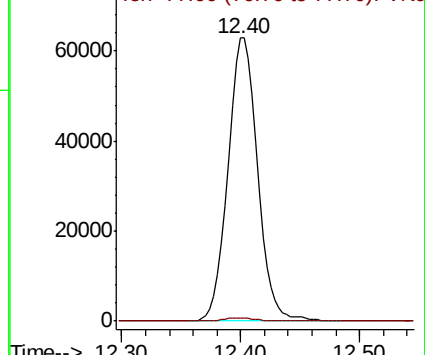
75 100

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: 141.445 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057653.D

Acq: 1 Sep 2019 19:00

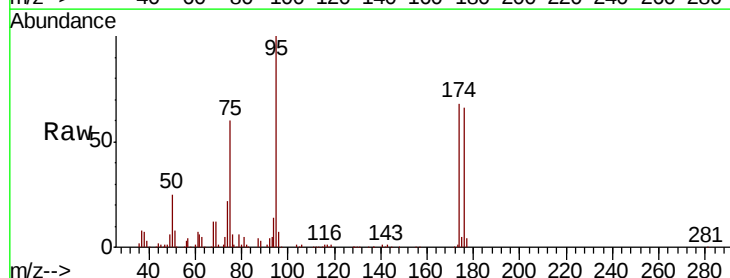
Tgt Ion: 75 Resp: 108547

Ion Ratio Lower Upper

75 100

53 0.1 111.0 166.6#

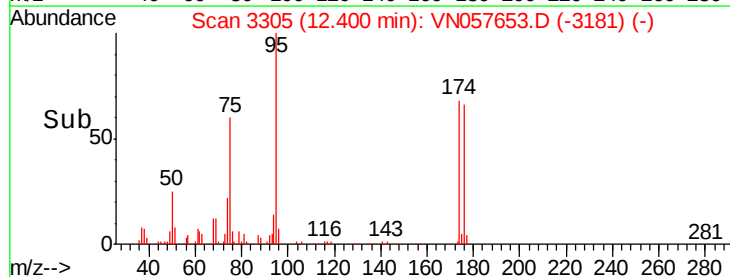
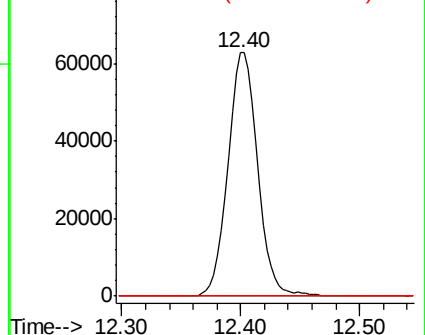
89 0.0 38.3 57.5#

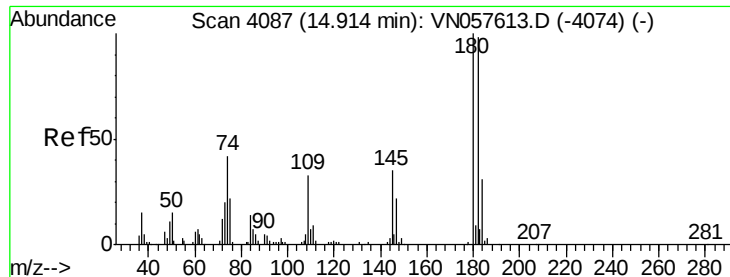


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

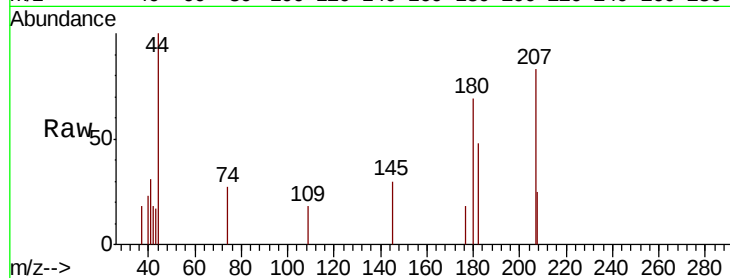




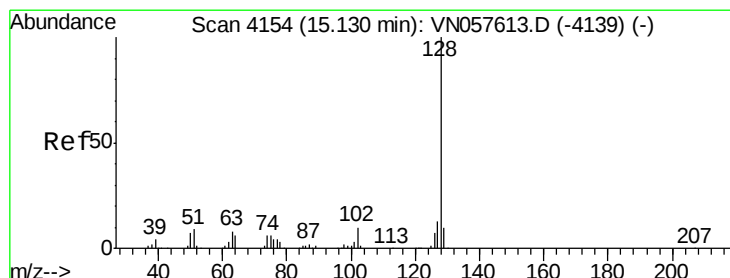
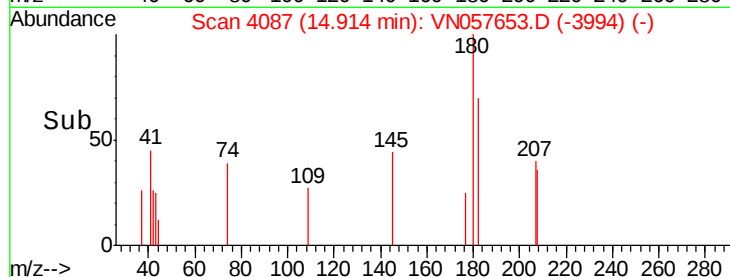
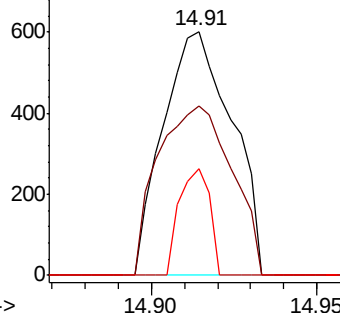
#93
 1,2,4-Trichlorobenzene
 Concen: 8.796 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 T4-S-C-(2.5)

Tgt Ion:180 Resp: 869
 Ion Ratio Lower Upper
 180 100
 182 75.0 47.8 143.3
 145 19.3 16.9 50.7

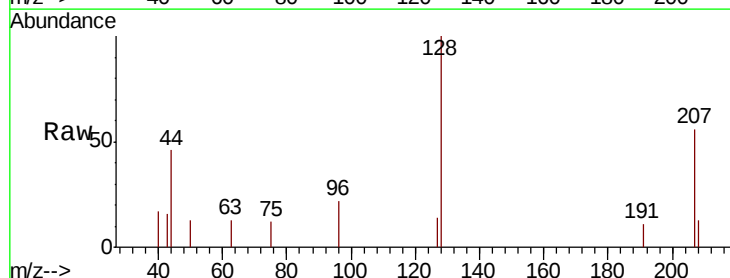


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

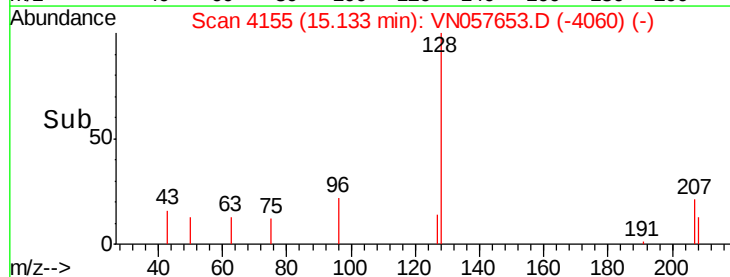
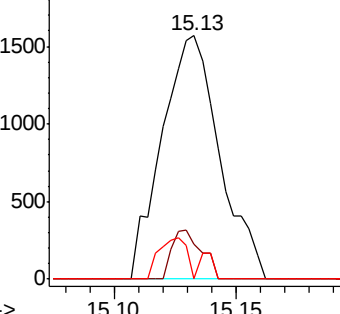


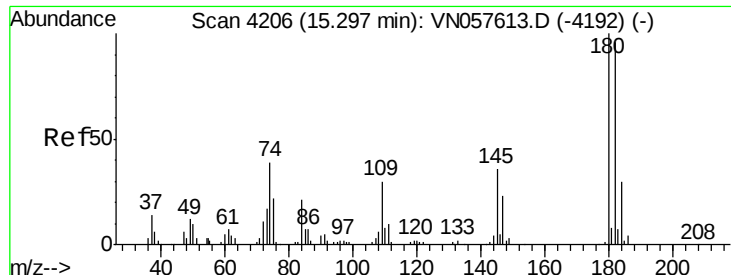
#95
 Naphthalene
 Concen: 7.420 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

Tgt Ion:128 Resp: 2581
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 2.5 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: 8.079 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057653.D
 Acq: 1 Sep 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 T4-S-C-(2.5)

Tgt Ion:180 Resp: 541
 Ion Ratio Lower Upper
 180 100
 182 123.7 46.3 138.9
 145 34.9 17.8 53.3

