

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057657.D
 Acq On : 1 Sep 2019 20:41
 Operator : JC/SP
 Sample : K4516-15
 Misc : 5.21g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-B4-(0)

Quant Time: Sep 02 01:58:23 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	177908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	304752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	255704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	108775	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	215982	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	7.57	113	126846	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	10.09	98	498079	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	159049	40.94	ug/l	0.00
Spiked Amount			Recovery	=	81.88%	

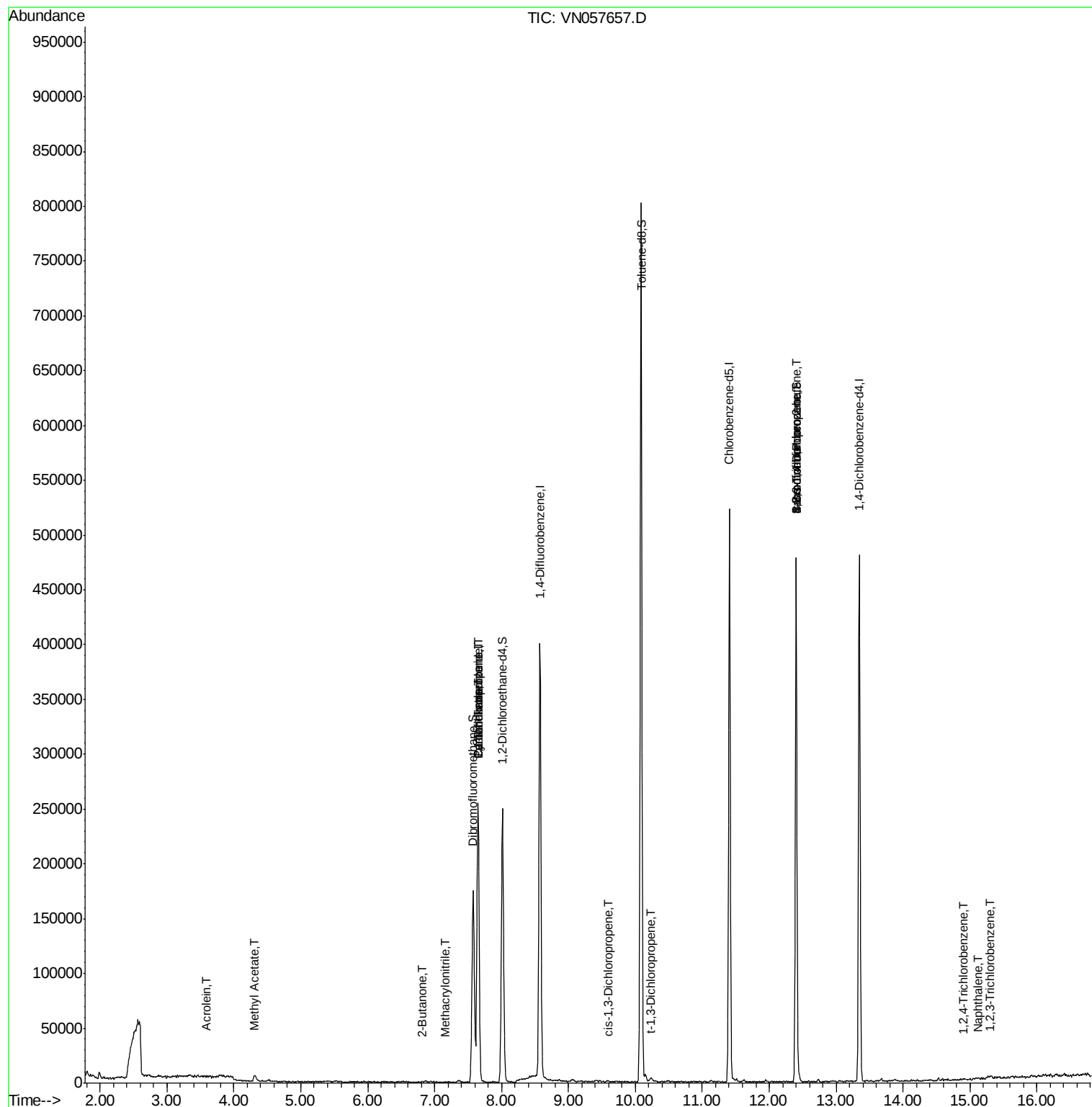
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	93	0.555	ug/l #	1
18) Methyl Acetate	4.31	43	9560	2.472	ug/l #	80
25) 2-Butanone	6.82	43	526	0.280	ug/l #	53
31) Cyclohexane	7.64	56	6400	1.202	ug/l #	50
36) 1,1-Dichloropropene	7.64	75	18077	4.474	ug/l #	52
38) Carbon Tetrachloride	7.65	117	20425	5.647	ug/l #	14
41) Methacrylonitrile	7.15	41	96	2.325	ug/l #	30
53) t-1,3-Dichloropropene	10.24	75	1084	3.441	ug/l #	45
54) cis-1,3-Dichloropropene	9.60	75	228	1.856	ug/l #	24
71) Bromoform	12.40	173	913	6.701	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93496	32.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	93496	112.009	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	61	8.328	ug/l #	12
95) Naphthalene	15.13	128	922	7.071	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	30	7.780	ug/l #	1

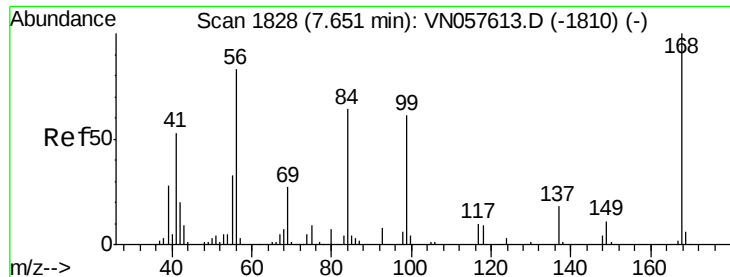
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057657.D

Acq: 1 Sep 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

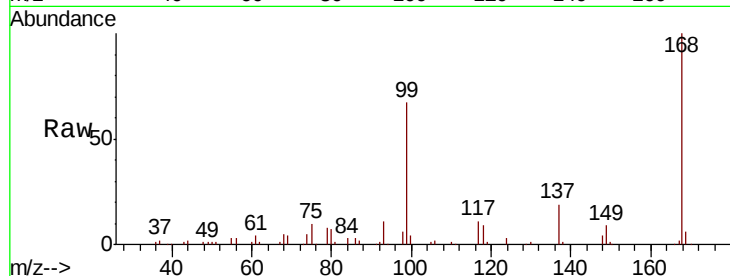
T2-S-B4-(0)

Tgt Ion:168 Resp: 177908

Ion Ratio Lower Upper

168 100

99 66.5 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

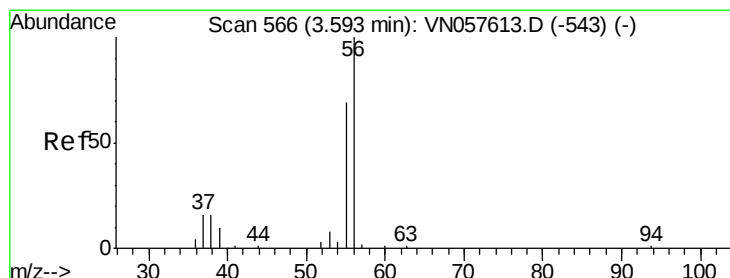
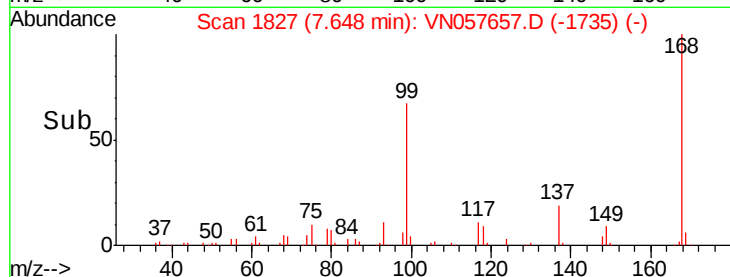
40000

20000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 0.555 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN057657.D

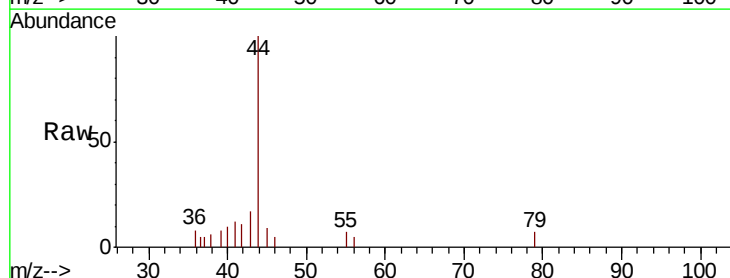
Acq: 1 Sep 2019 20:41

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 157.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN057613.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN057613.D (-543) (-)

3.59

400

300

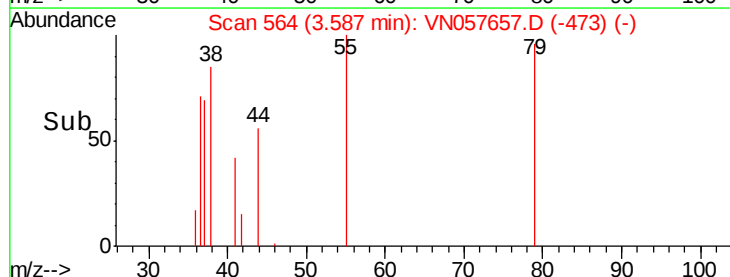
200

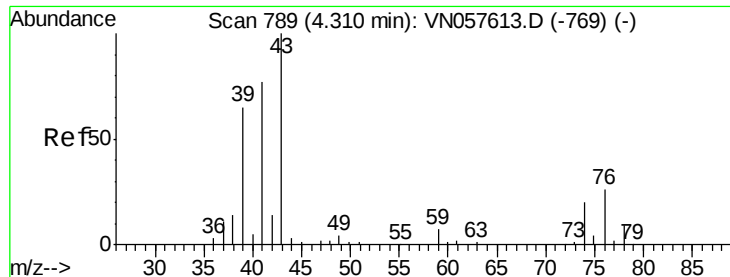
100

0

3.58 3.59 3.60

Time-->

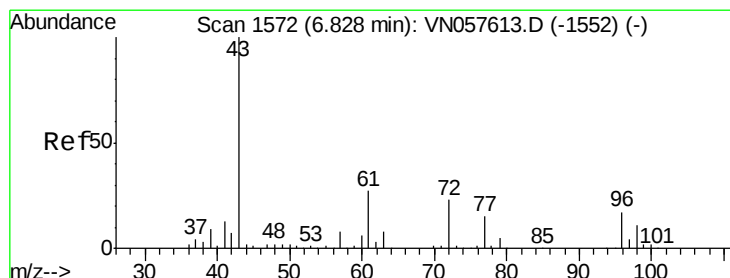
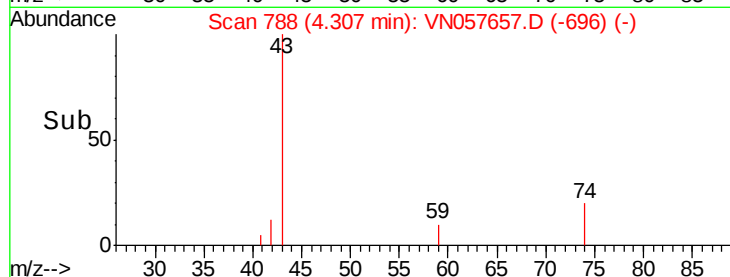
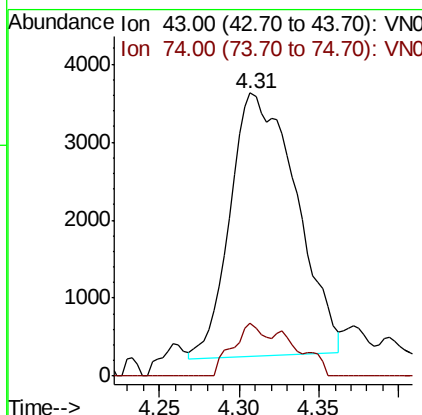
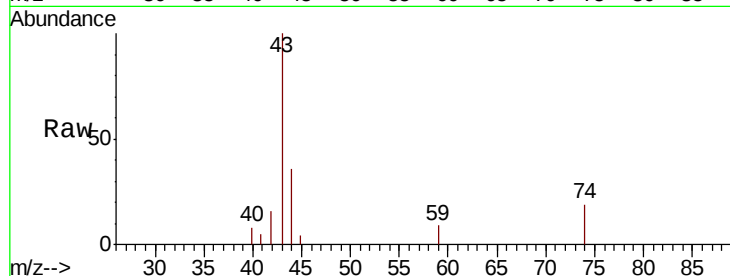




#18
Methyl Acetate
Concen: 2.472 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057657.D
Acq: 1 Sep 2019 20:41

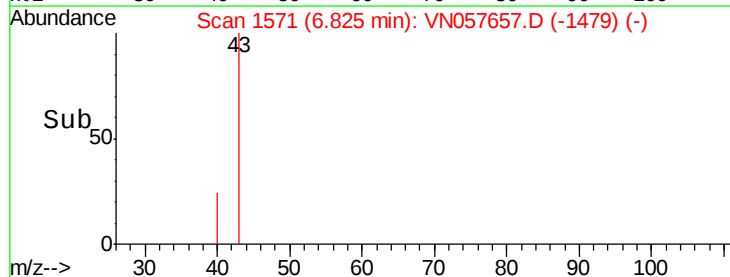
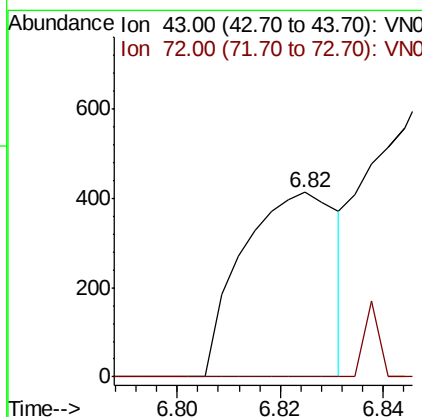
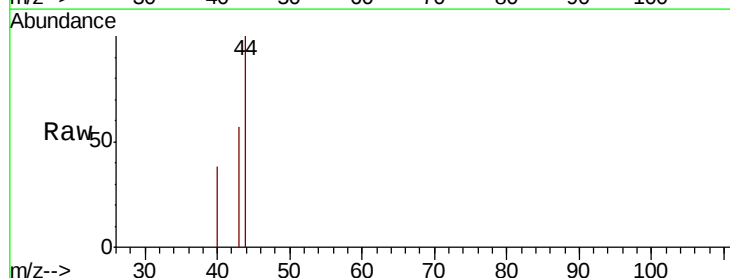
Instrument :
MSVOA_N
ClientSampled :
T2-S-B4-(0)

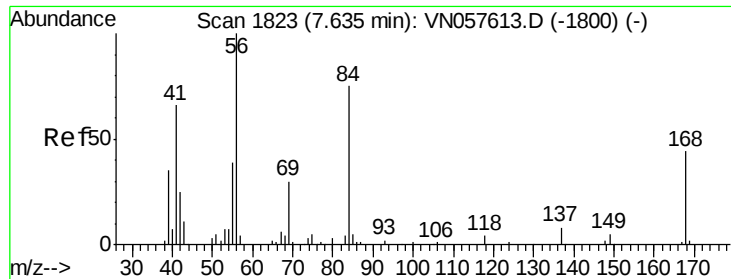
Tgt Ion: 43 Resp: 9560
Ion Ratio Lower Upper
43 100
74 10.4 15.7 23.5#



#25
2-Butanone
Concen: 0.280 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN057657.D
Acq: 1 Sep 2019 20:41

Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#

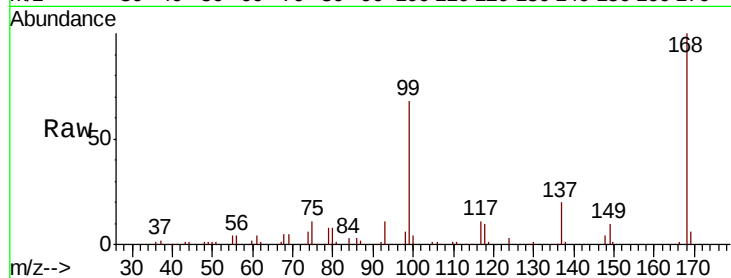




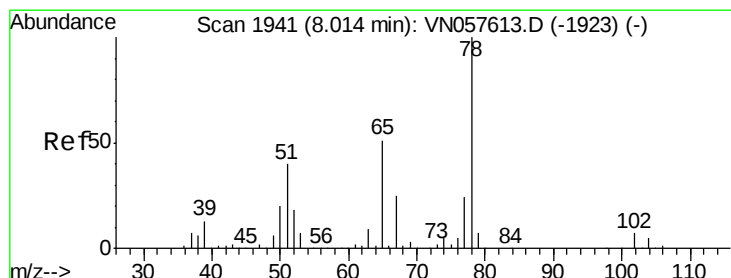
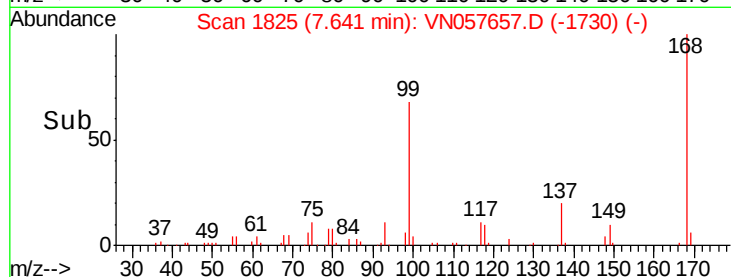
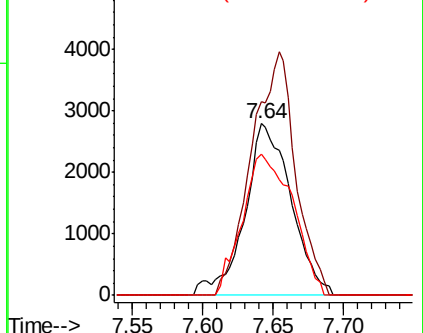
#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN057657.D
Acq: 1 Sep 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
T2-S-B4-(0)

Tgt Ion: 56 Resp: 6400
Ion Ratio Lower Upper
56 100
69 112.9 24.4 36.6#
84 82.3 59.9 89.9

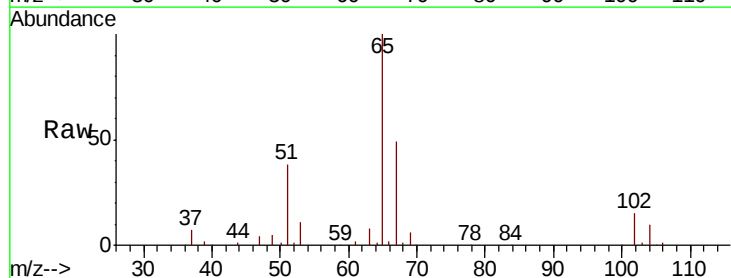


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

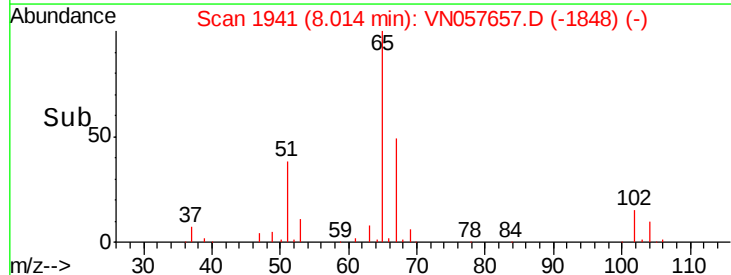
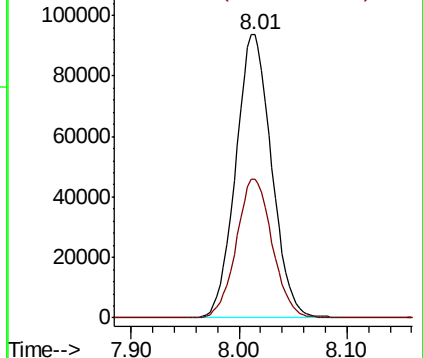


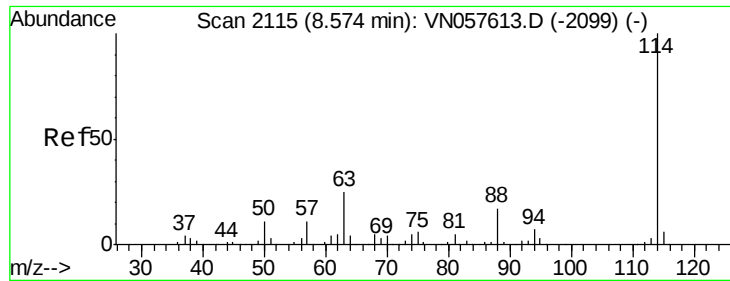
#33
1,2-Dichloroethane-d4
Concen: 53.741 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057657.D
Acq: 1 Sep 2019 20:41

Tgt Ion: 65 Resp: 215982
Ion Ratio Lower Upper
65 100
67 49.2 0.0 102.2



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

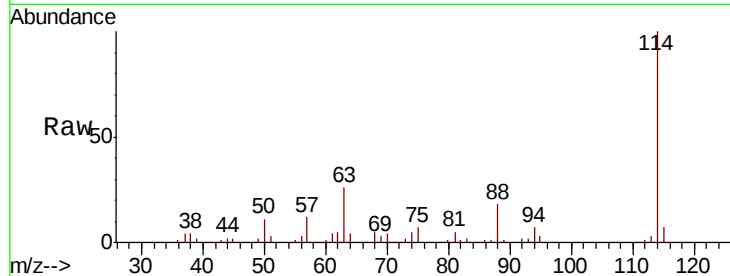




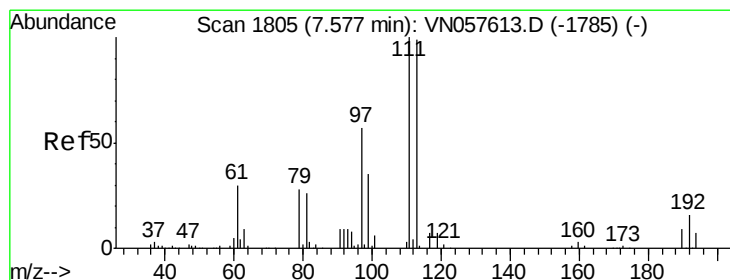
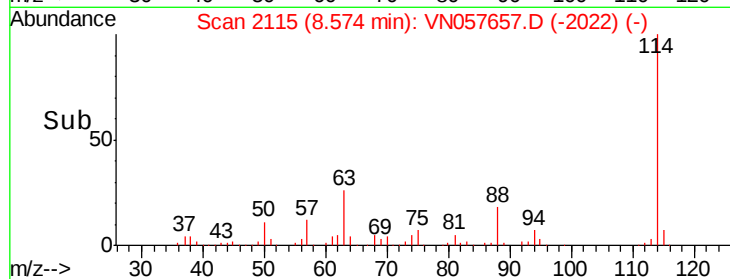
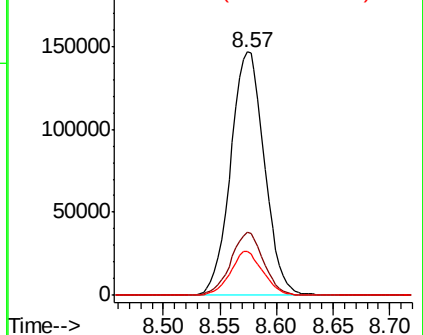
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-B4-(0)

Tgt Ion:114 Resp: 304752
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.0
 88 18.2 0.0 33.0

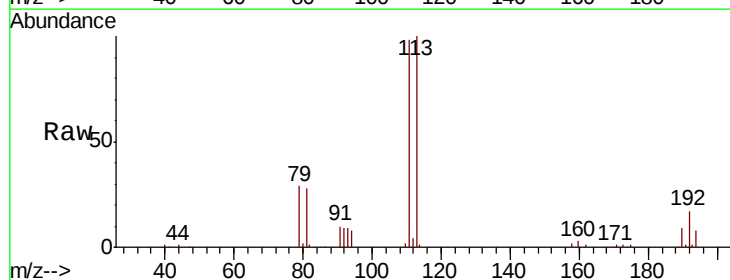


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

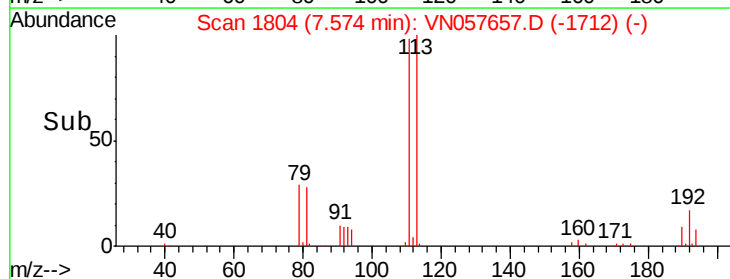
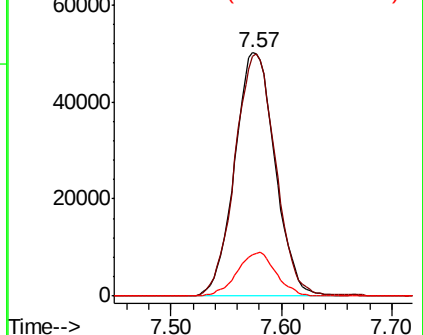


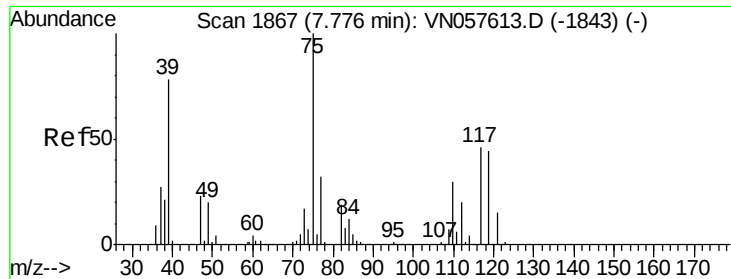
#35
 Dibromofluoromethane
 Concen: 47.662 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

Tgt Ion:113 Resp: 126846
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.3 121.9
 192 17.2 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

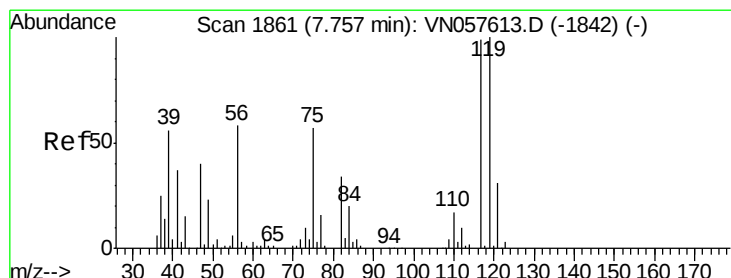
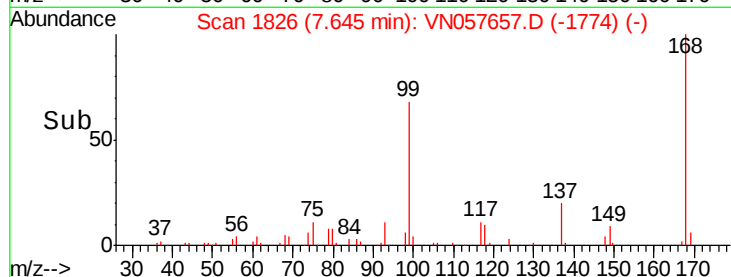
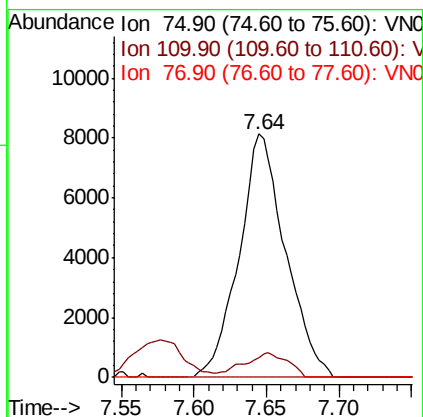
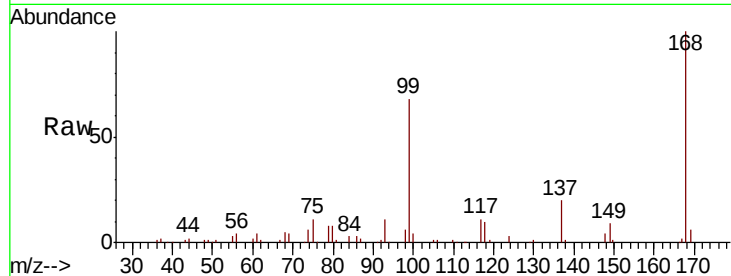




#36
 1,1-Dichloropropene
 Concen: 4.474 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

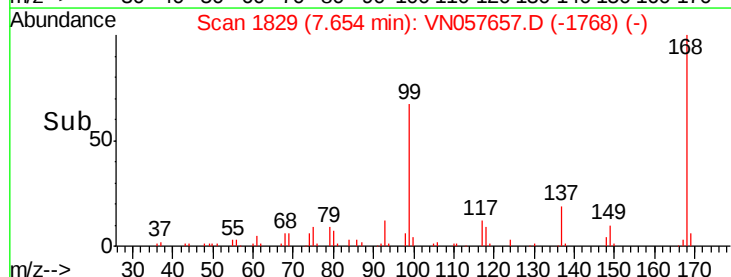
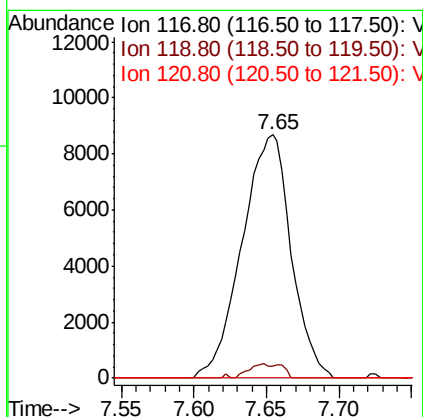
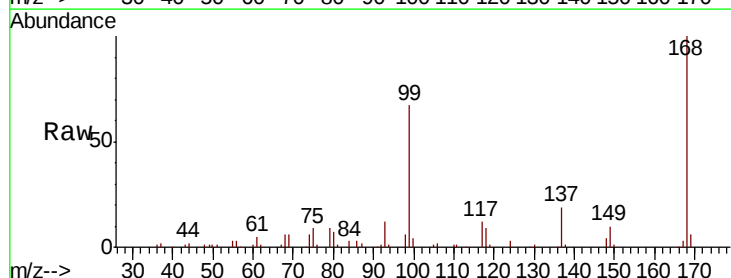
Instrument :
 MSVOA_N
 ClientSampled :
 T2-S-B4-(0)

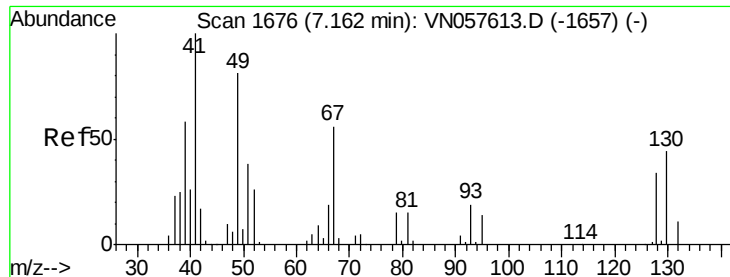
Tgt Ion: 75 Resp: 18077
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.6 46.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.647 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

Tgt Ion: 117 Resp: 20425
 Ion Ratio Lower Upper
 117 100
 119 4.9 80.6 120.8#
 121 0.0 25.1 37.7#

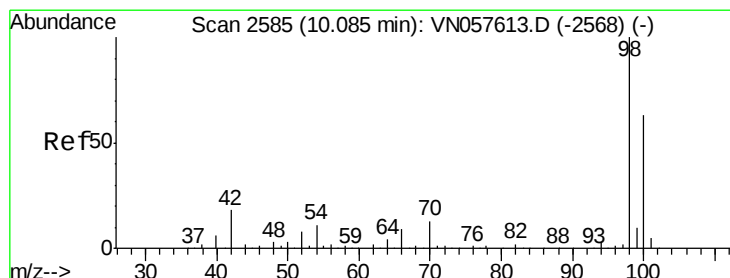
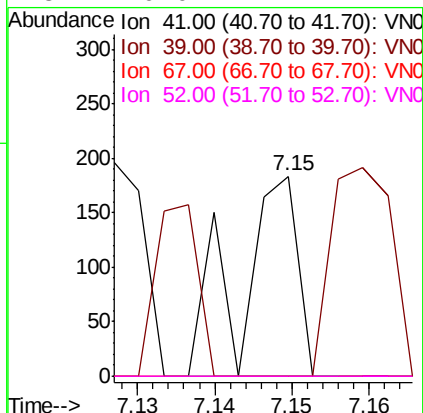
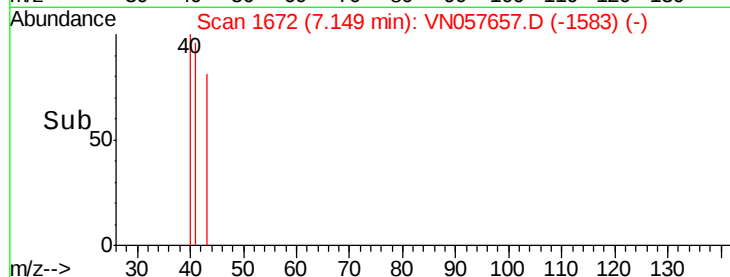
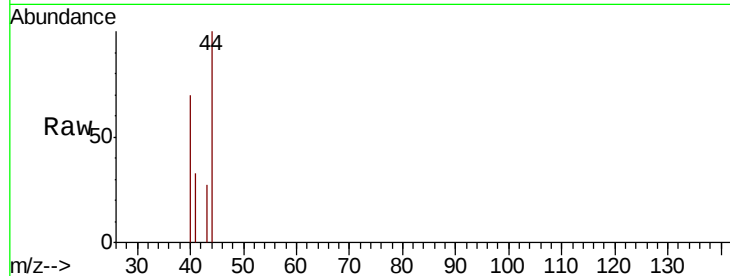




#41
Methacrylonitrile
Concen: 2.325 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN057657.D
Acq: 1 Sep 2019 20:41

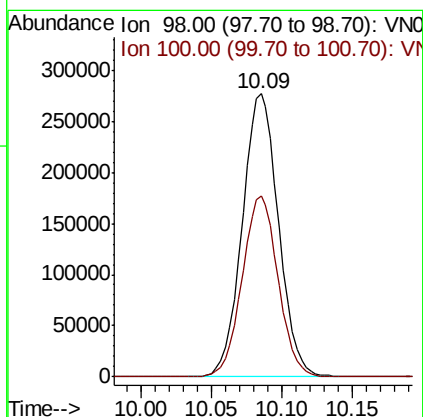
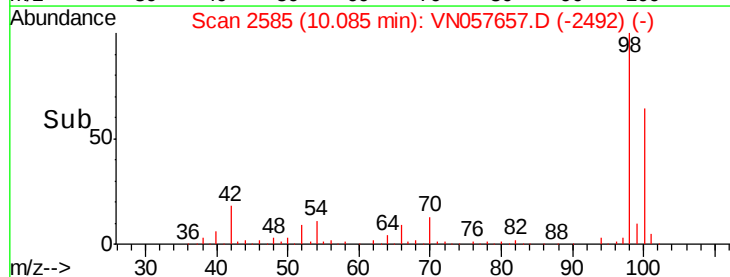
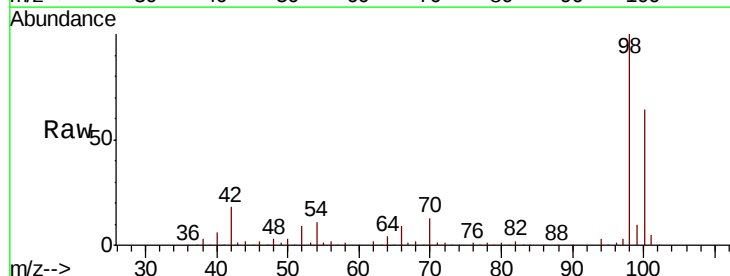
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T2-S-B4-(0)

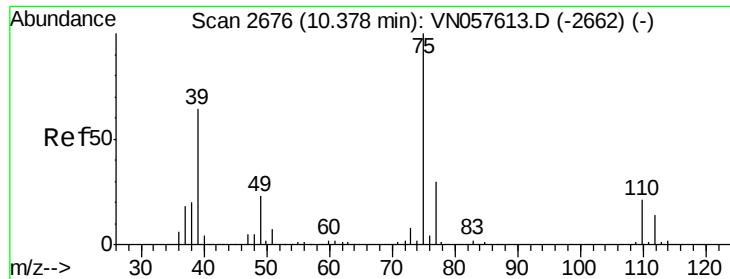
Tgt Ion: 41 Resp: 96
Ion Ratio Lower Upper
41 100
39 108.3 50.6 75.8#
67 0.0 56.9 85.3#
52 0.0 27.4 41.2#



#50
Toluene-d8
Concen: 48.747 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057657.D
Acq: 1 Sep 2019 20:41

Tgt Ion: 98 Resp: 498079
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8





#53

t-1,3-Dichloropropene

Concen: 3.441 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN057657.D

Acq: 1 Sep 2019 20:41

Instrument :

MSVOA_N

ClientSampled :

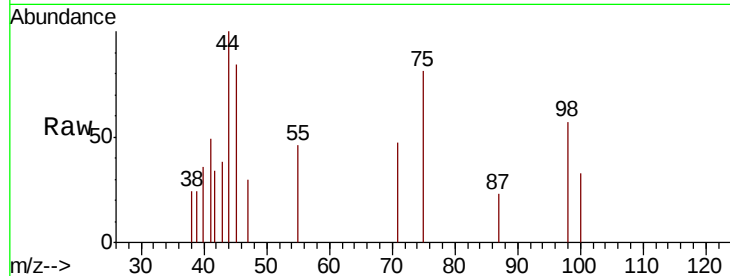
T2-S-B4-(0)

Tgt Ion: 75 Resp: 1084

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

10.24

500

400

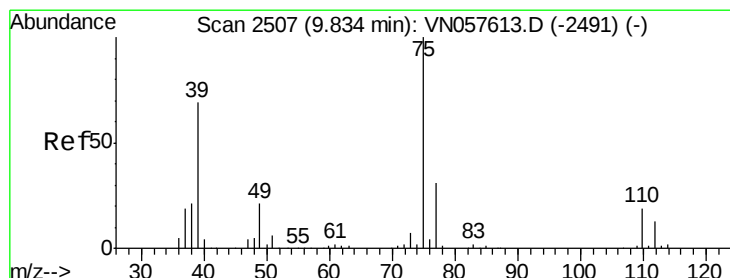
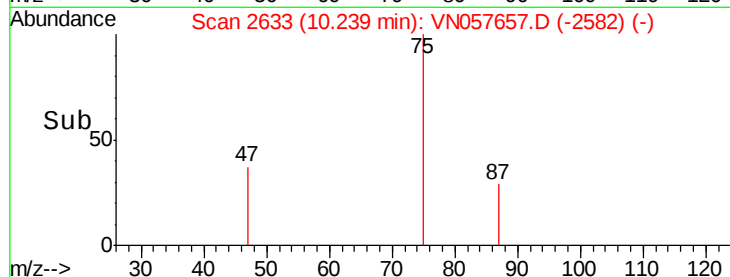
300

200

100

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.856 ug/l

RT: 9.60 min Scan# 2434

Delta R.T. -0.23 min

Lab File: VN057657.D

Acq: 1 Sep 2019 20:41

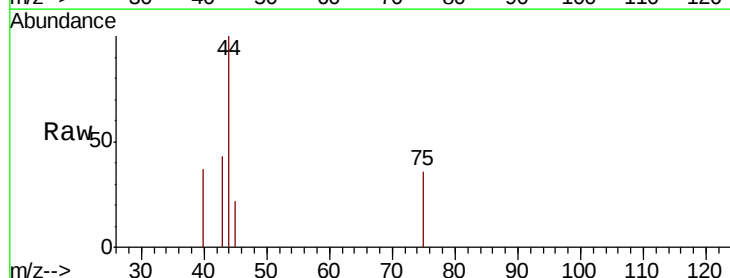
Tgt Ion: 75 Resp: 228

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

500

400

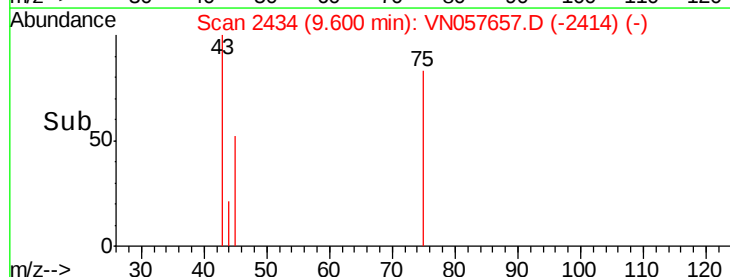
300

200

100

0

Time-->



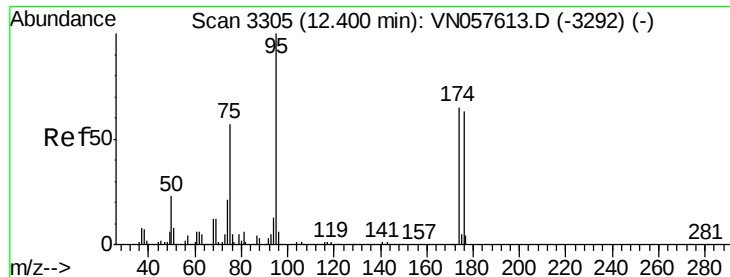
9.60

300

200

100

0



#62

4-Bromofluorobenzene

Concen: 40.936 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057657.D

Acq: 1 Sep 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

T2-S-B4-(0)

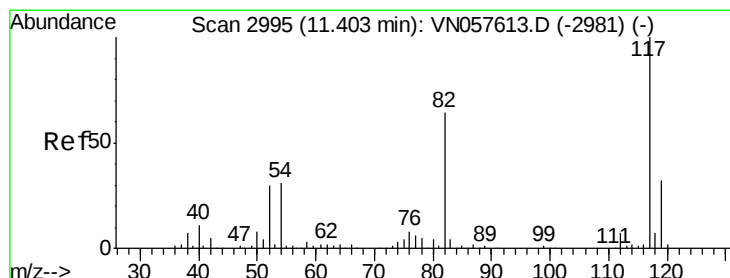
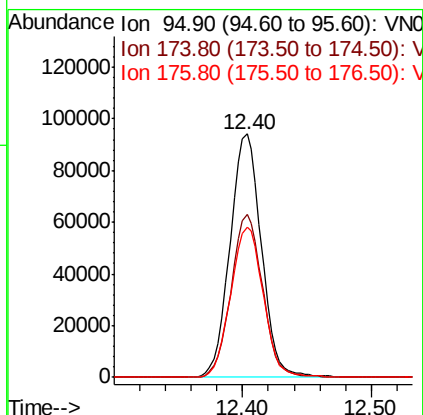
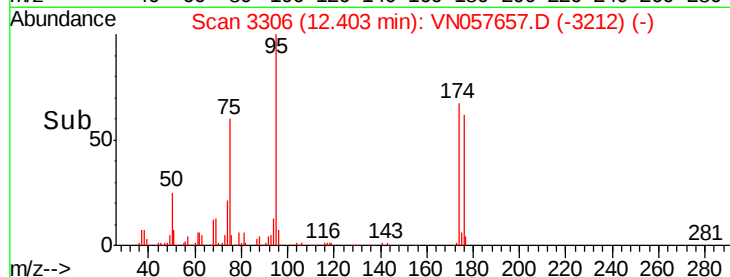
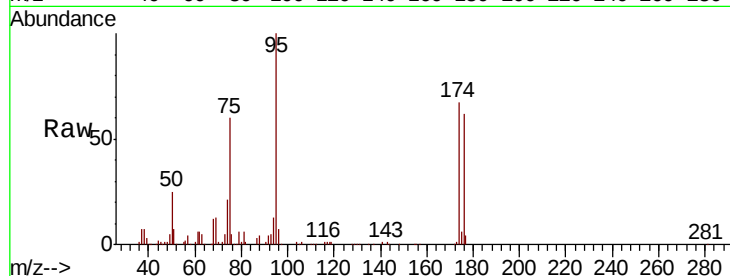
Tgt Ion: 95 Resp: 159049

Ion Ratio Lower Upper

95 100

174 67.3 0.0 134.8

176 64.2 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: VN057657.D

Acq: 1 Sep 2019 20:41

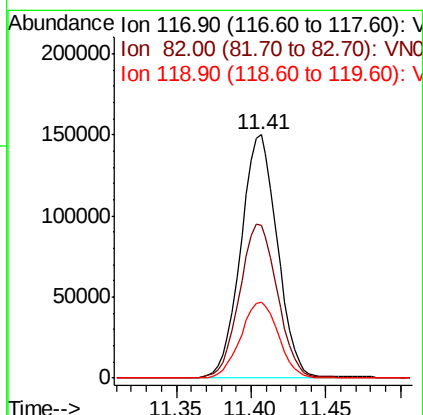
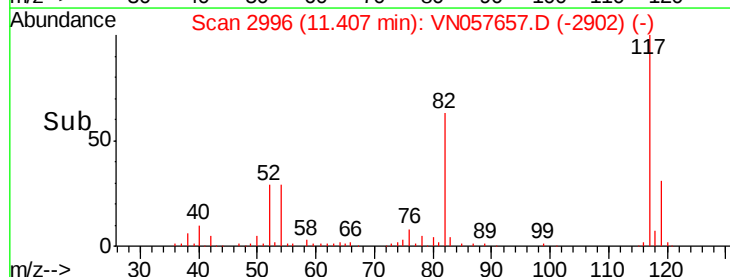
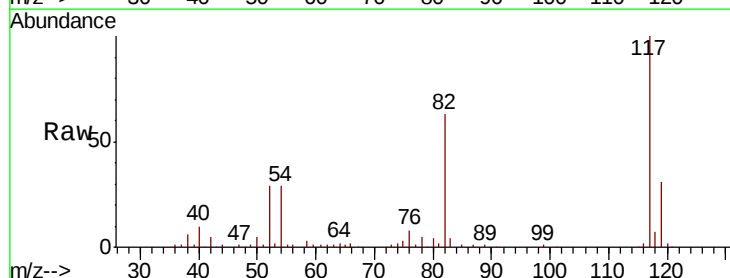
Tgt Ion: 117 Resp: 255704

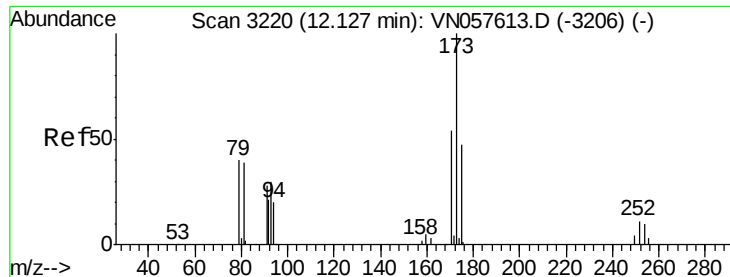
Ion Ratio Lower Upper

117 100

82 62.9 51.6 77.4

119 31.4 25.8 38.6





#71

Bromoform

Concen: 6.701 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057657.D

Acq: 1 Sep 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

T2-S-B4-(0)

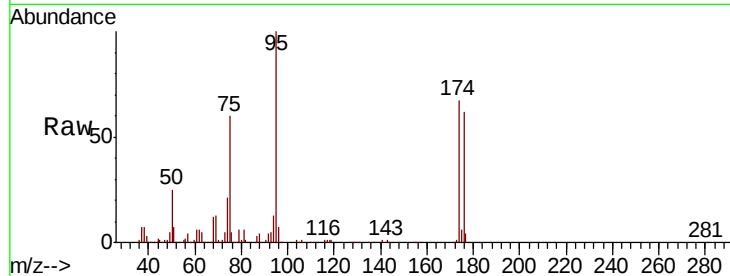
Tgt Ion:173 Resp: 913

Ion Ratio Lower Upper

173 100

175 801.0 24.4 73.4#

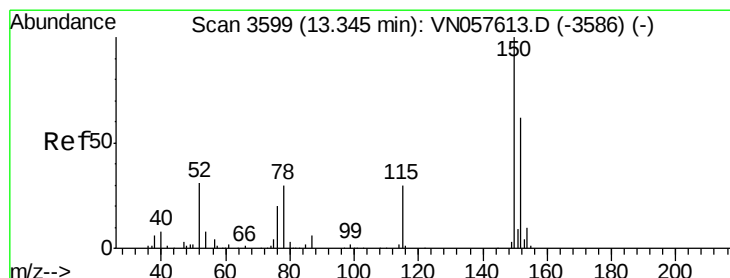
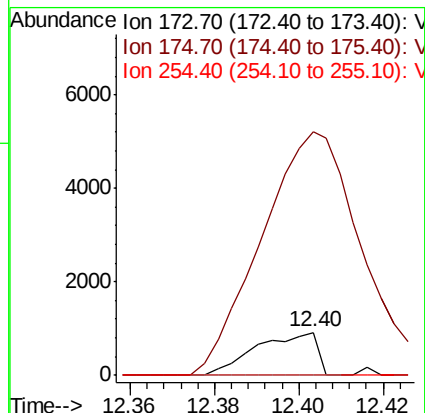
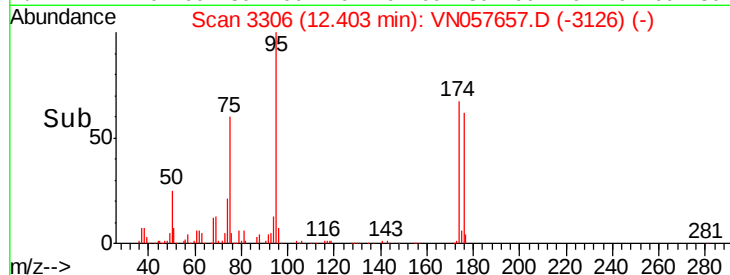
254 0.0 0.0 0.0



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: VN057657.D

Acq: 1 Sep 2019 20:41

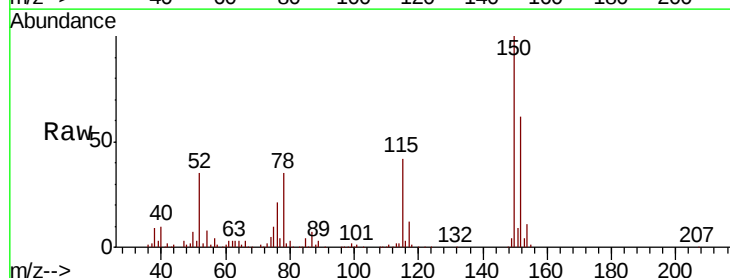
Tgt Ion:152 Resp: 108775

Ion Ratio Lower Upper

152 100

115 65.7 33.2 99.6

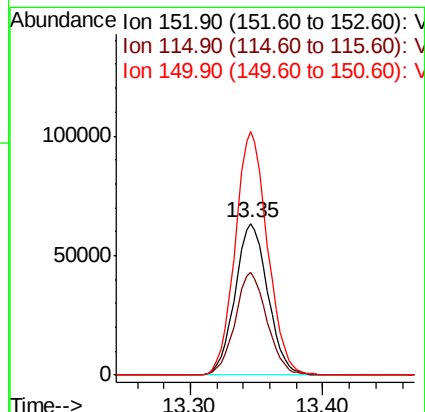
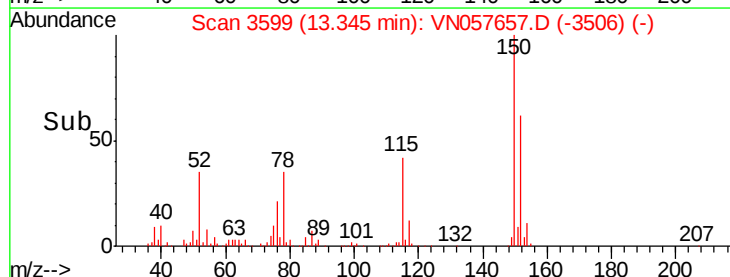
150 158.0 0.0 365.2

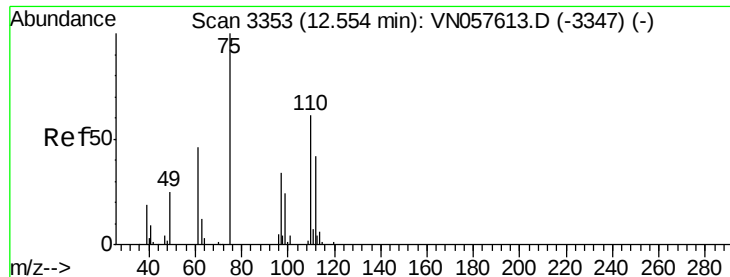


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.676 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057657.D

Acq: 1 Sep 2019 20:41

Instrument :

MSVOA_N

ClientSampled :

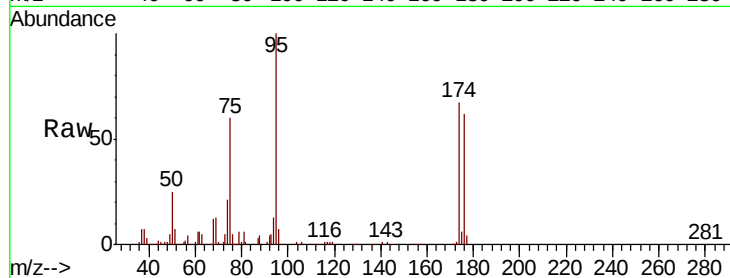
T2-S-B4-(0)

Tgt Ion: 75 Resp: 93496

Ion Ratio Lower Upper

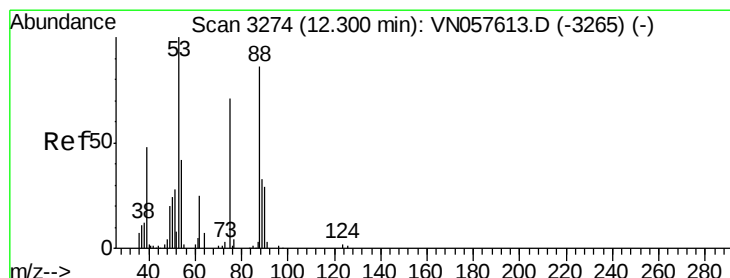
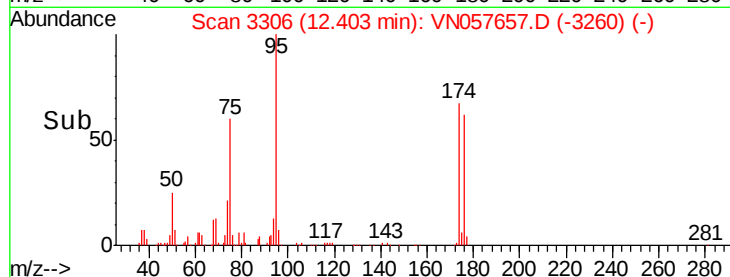
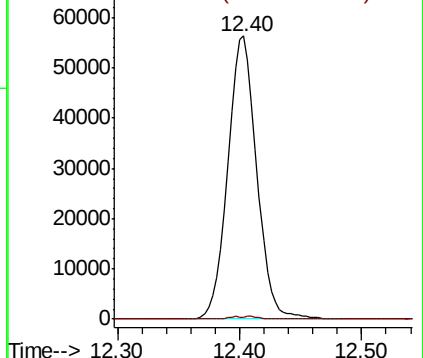
75 100

77 0.5 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: 112.009 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057657.D

Acq: 1 Sep 2019 20:41

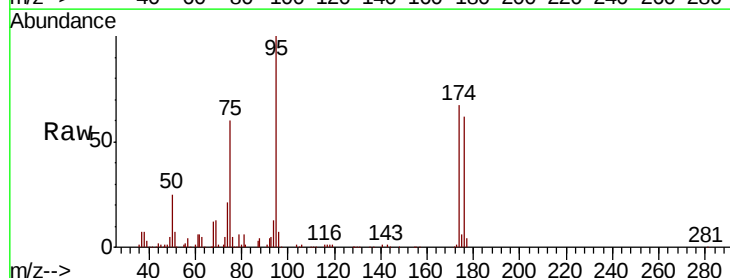
Tgt Ion: 75 Resp: 93496

Ion Ratio Lower Upper

75 100

53 0.0 111.0 166.6#

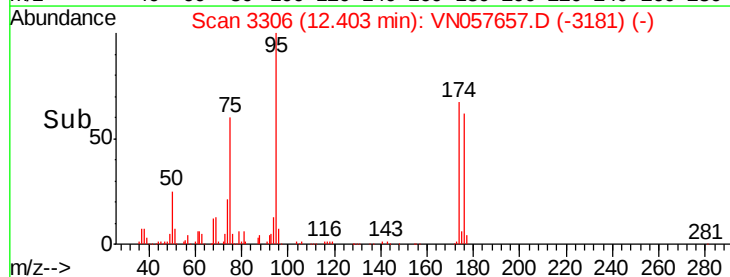
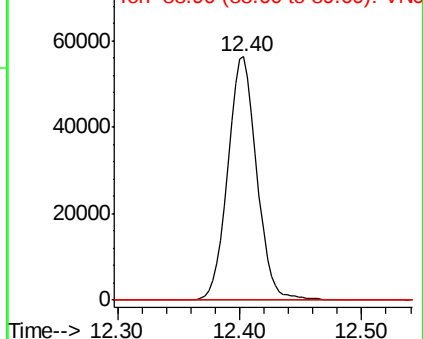
89 0.0 38.3 57.5#

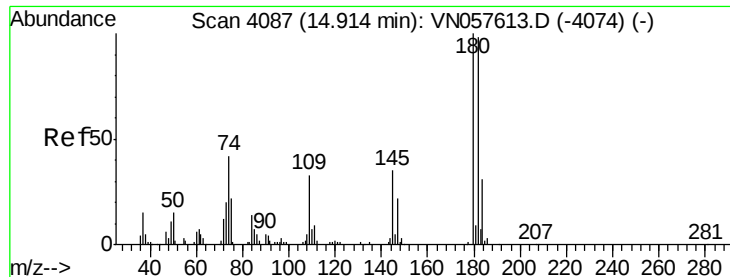


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

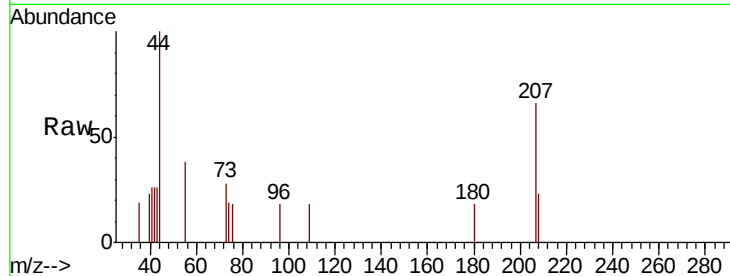




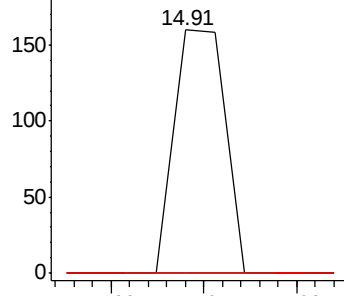
#93
 1,2,4-Trichlorobenzene
 Concen: 8.328 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.01 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

Instrument :
 MSVOA_N
 ClientSampled :
 T2-S-B4-(0)

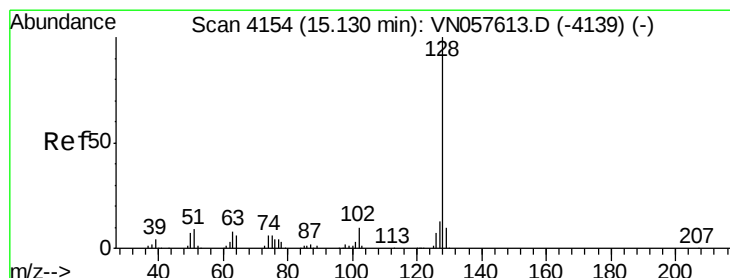
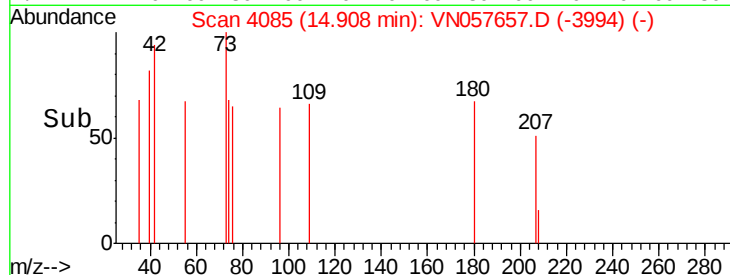
Tgt Ion:180 Resp: 61
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 16.9 50.7#



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

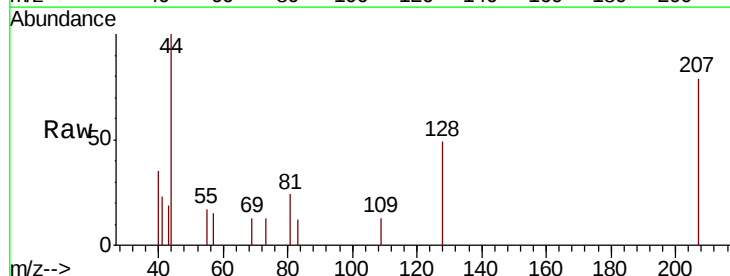


Time-->

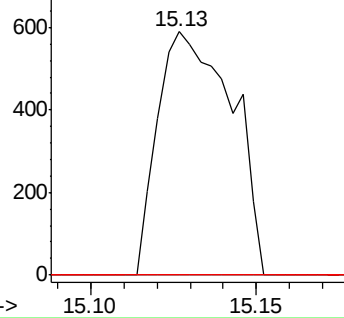


#95
 Naphthalene
 Concen: 7.071 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

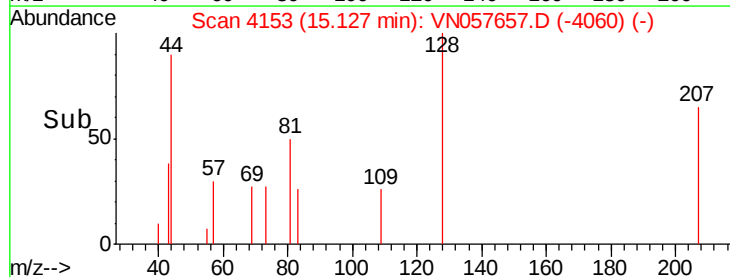
Tgt Ion:128 Resp: 922
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 12.8#

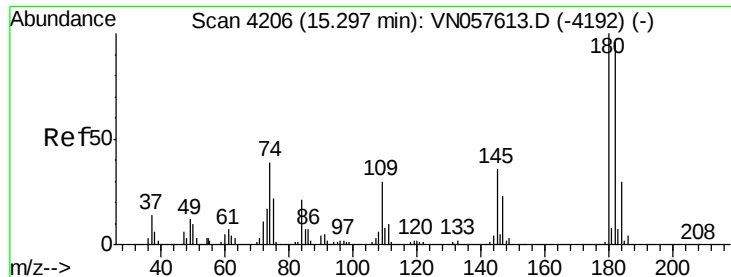


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

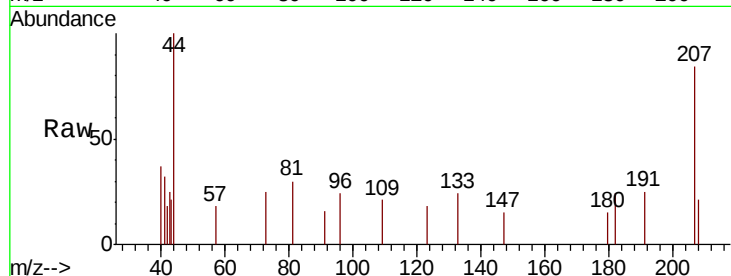




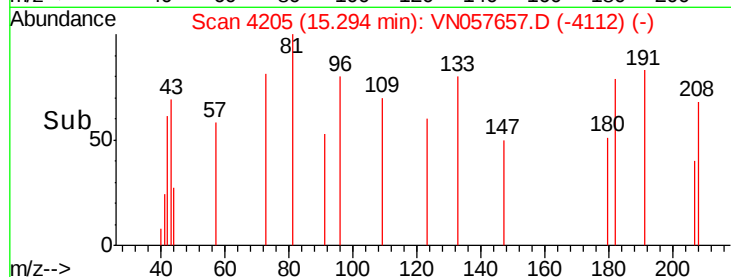
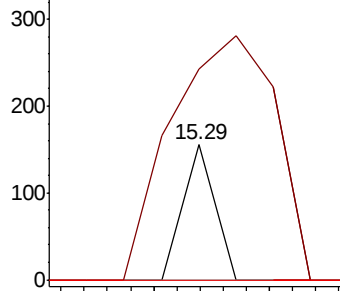
#96
 1,2,3-Trichlorobenzene
 Concen: 7.780 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. -0.00 min
 Lab File: VN057657.D
 Acq: 1 Sep 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-B4-(0)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	586.7	46.3	138.9#
145	0.0	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



Time-->