

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057658.D
 Acq On : 1 Sep 2019 21:06
 Operator : JC/SP
 Sample : K4516-16
 Misc : 5.71g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-B4-(2.5)

Quant Time: Sep 02 01:58:36 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	172983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	288730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	239169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	106481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	226882	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	
35) Dibromofluoromethane	7.58	113	131257	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.09	98	526537	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
62) 4-Bromofluorobenzene	12.40	95	170865	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds

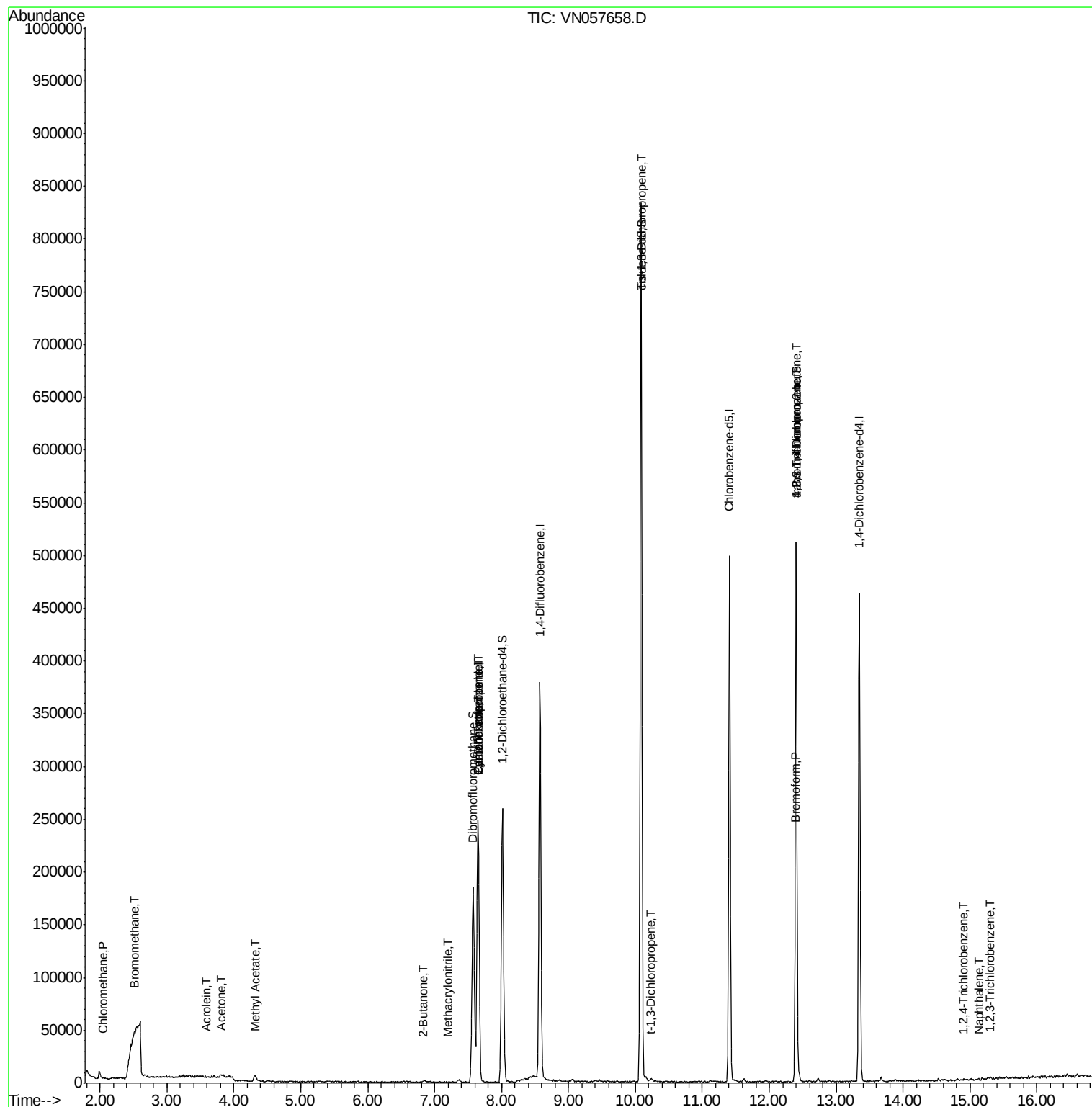
						Qvalue
3) Chloromethane	2.05	50	690	0.216	ug/l #	41
5) Bromomethane	2.51	94	988	0.625	ug/l #	48
13) Acrolein	3.59	56	100	0.614	ug/l #	52
16) Acetone	3.80	43	413	0.377	ug/l #	50
18) Methyl Acetate	4.31	43	4887	1.300	ug/l #	88
25) 2-Butanone	6.83	43	689	0.378	ug/l #	53
31) Cyclohexane	7.65	56	6404	1.237	ug/l #	52
36) 1,1-Dichloropropene	7.65	75	16825	4.395	ug/l #	54
38) Carbon Tetrachloride	7.65	117	20804	6.071	ug/l #	14
41) Methacrylonitrile	7.20	41	30	2.297	ug/l #	32
53) t-1,3-Dichloropropene	10.25	75	1024	3.440	ug/l #	45
54) cis-1,3-Dichloropropene	10.08	75	29	1.819	ug/l #	1
71) Bromoform	12.38	173	44	6.244	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	102251	36.506	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	102251	125.136	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	118	8.360	ug/l #	23
95) Naphthalene	15.13	128	680	7.029	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	186	7.866	ug/l #	67

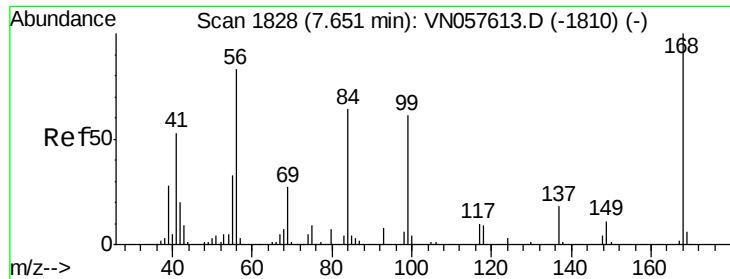
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057658.D

Acq: 1 Sep 2019 21:06

Instrument :

MSVOA_N

ClientSampleId :

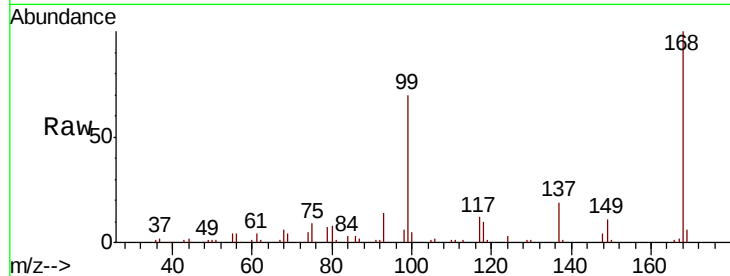
T2-S-B4-(2.5)

Tgt Ion: 168 Resp: 172983

Ion Ratio Lower Upper

168 100

99 69.8 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

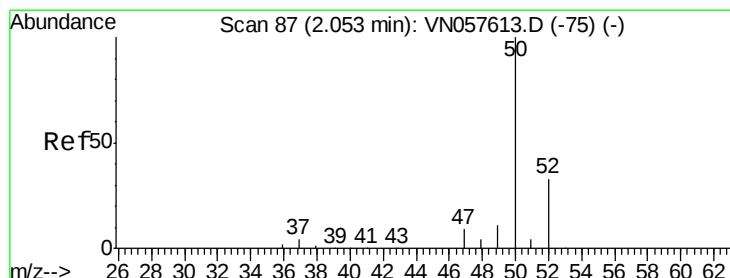
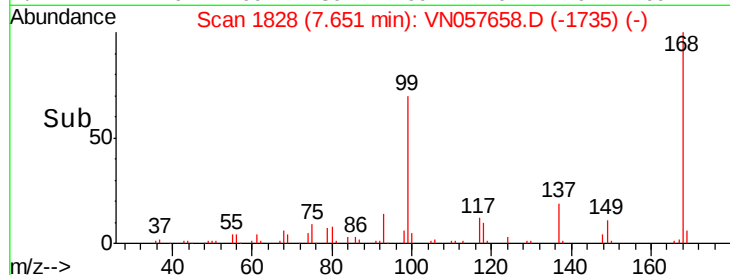
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.216 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057658.D

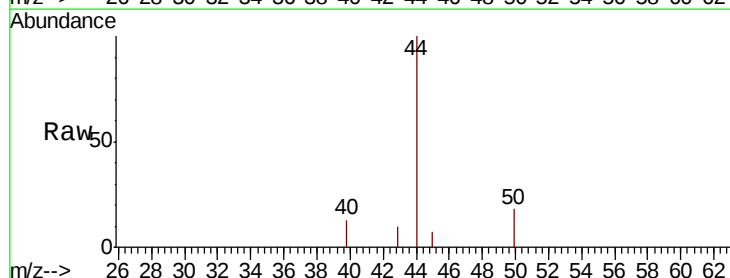
Acq: 1 Sep 2019 21:06

Tgt Ion: 50 Resp: 690

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) (-)

2.05

600

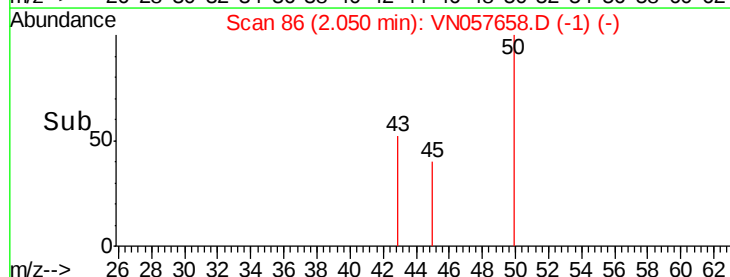
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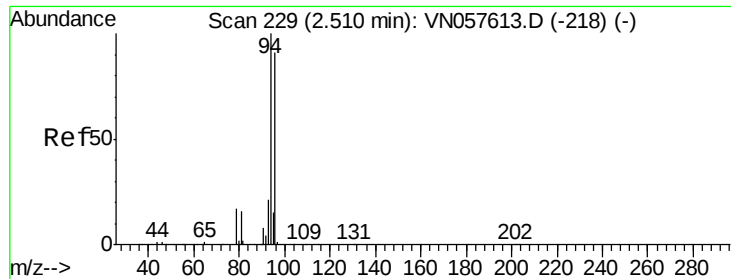
200

0

2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 0.625 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.00 min

Lab File: VN057658.D

Acq: 1 Sep 2019 21:06

Instrument :

MSVOA_N

ClientSampled :

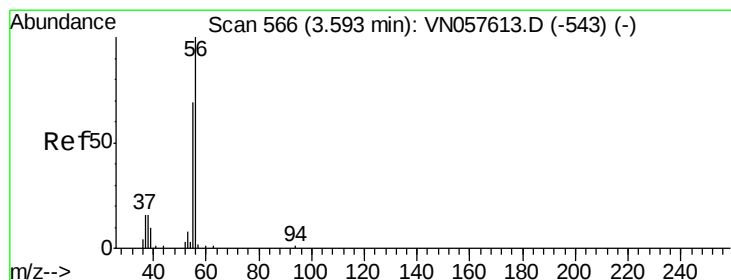
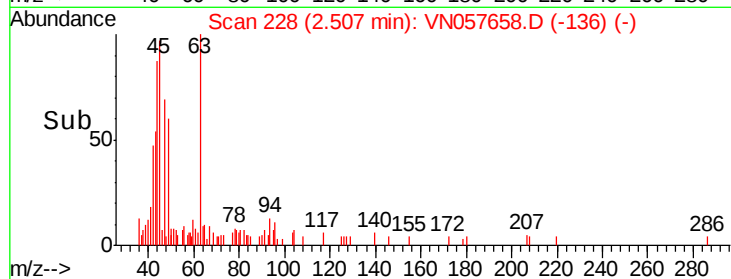
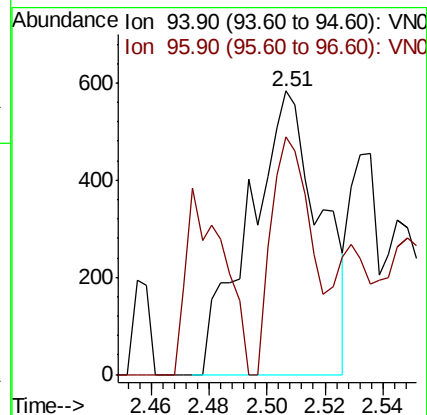
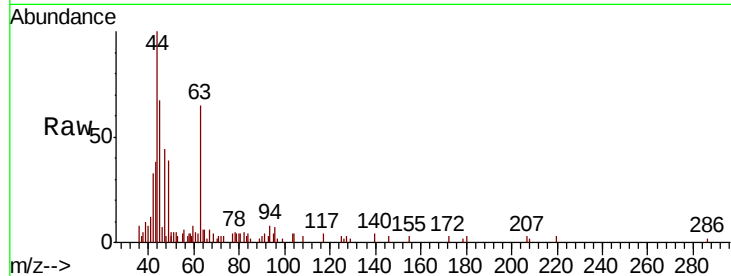
T2-S-B4-(2.5)

Tgt Ion: 94 Resp: 988

Ion Ratio Lower Upper

94 100

96 42.2 72.9 109.3#



#13

Acrolein

Concen: 0.614 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057658.D

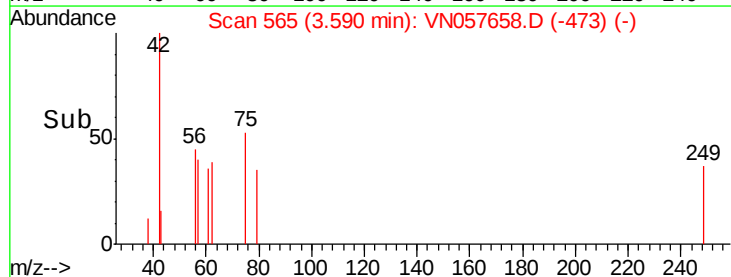
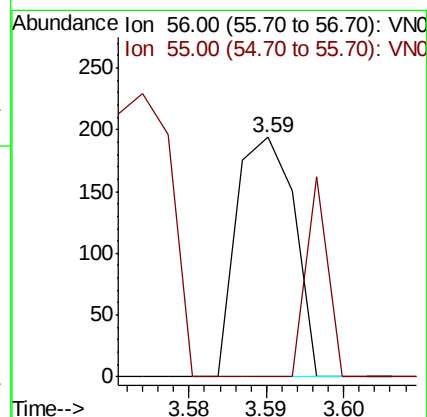
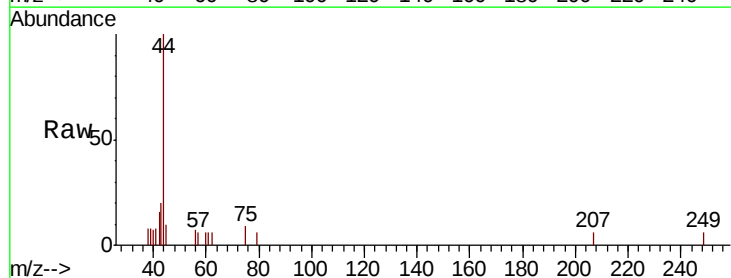
Acq: 1 Sep 2019 21:06

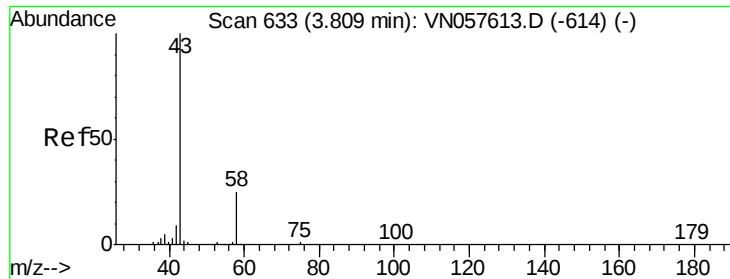
Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 31.0 56.5 84.7#





#16

Acetone

Concen: 0.377 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.01 min

Lab File: VN057658.D

Acq: 1 Sep 2019 21:06

Instrument :

MSVOA_N

ClientSampleId :

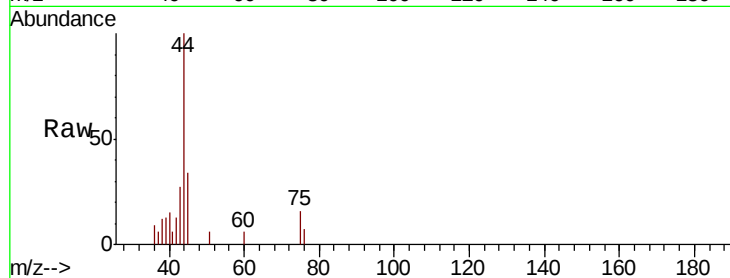
T2-S-B4-(2.5)

Tgt Ion: 43 Resp: 413

Ion Ratio Lower Upper

43 100

58 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

600

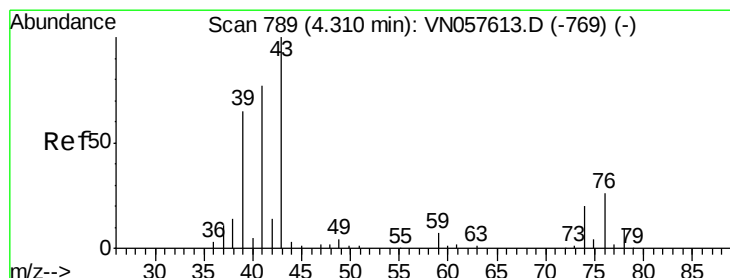
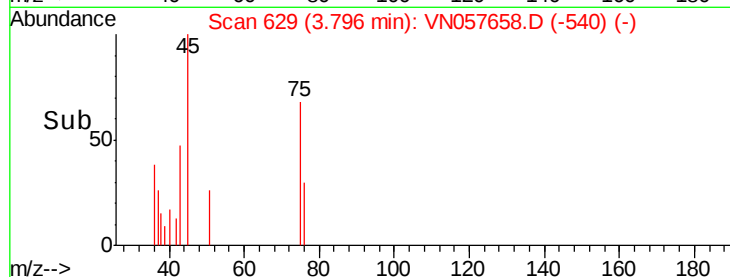
400

200

0

3.77 3.78 3.79 3.80 3.81

Time-->



#18

Methyl Acetate

Concen: 1.300 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057658.D

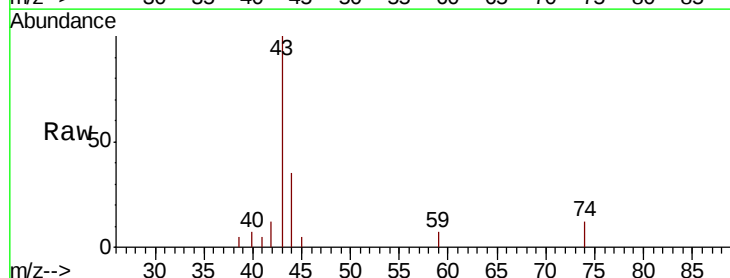
Acq: 1 Sep 2019 21:06

Tgt Ion: 43 Resp: 4887

Ion Ratio Lower Upper

43 100

74 14.3 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4000

3000

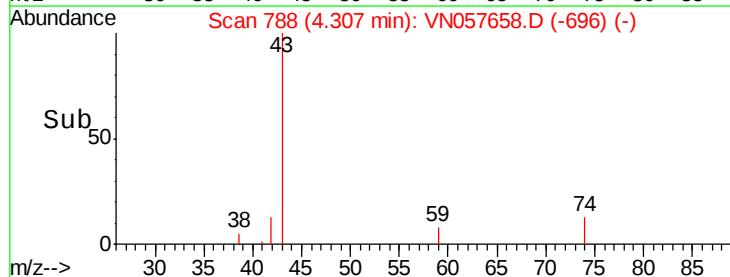
2000

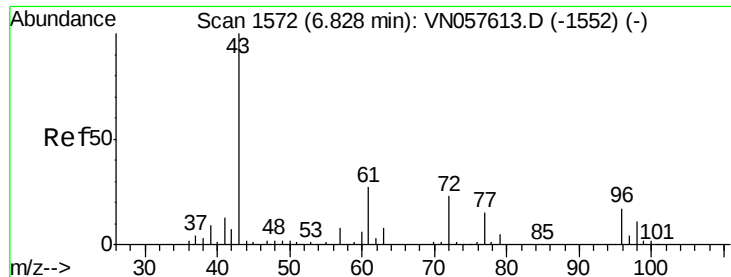
1000

0

4.25 4.30 4.31

Time-->

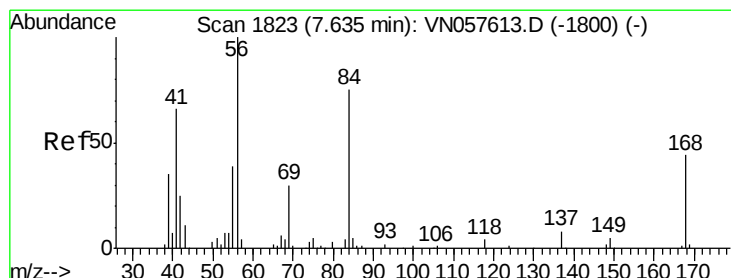
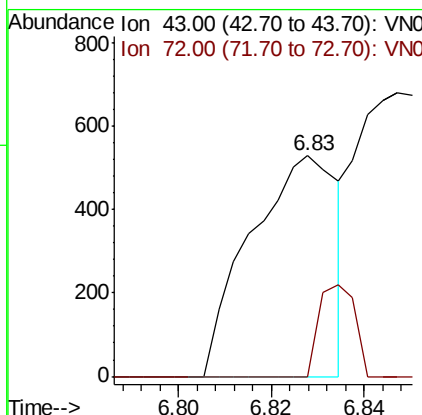
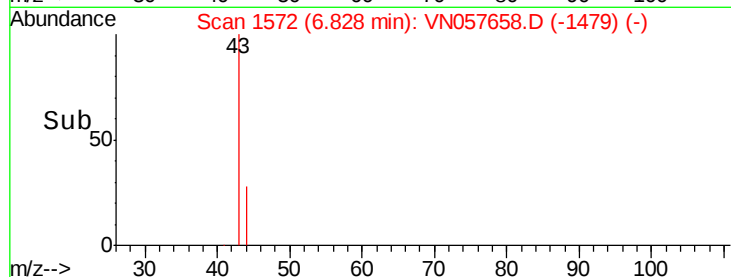
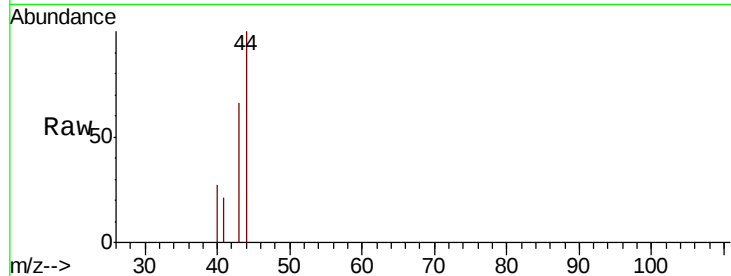




#25
2-Butanone
Concen: 0.378 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

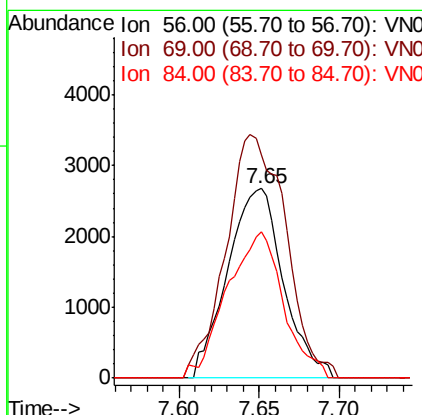
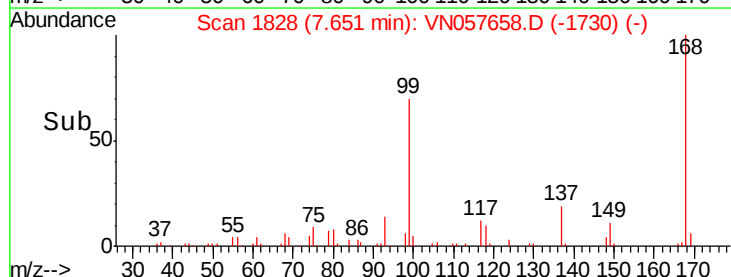
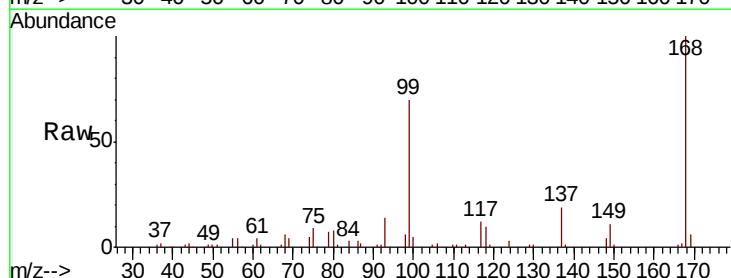
Instrument :
MSVOA_N
ClientSampleId :
T2-S-B4-(2.5)

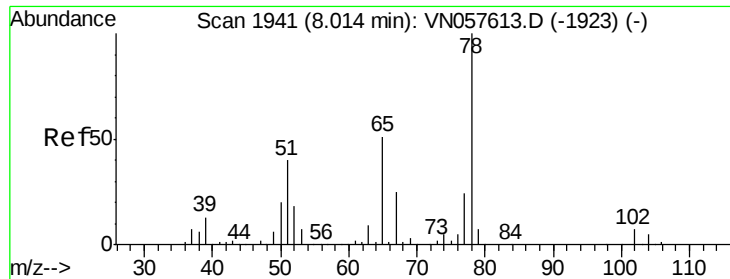
Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Tgt Ion: 56 Resp: 6404
Ion Ratio Lower Upper
56 100
69 117.5 24.4 36.6#
84 77.4 59.9 89.9

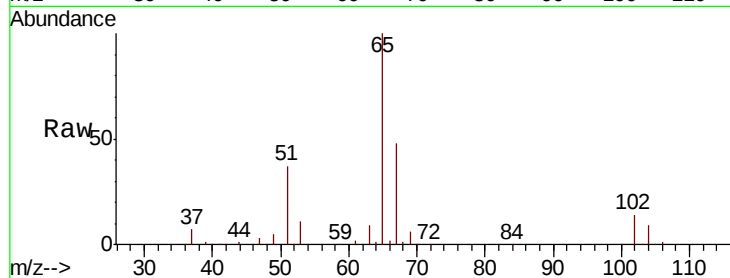




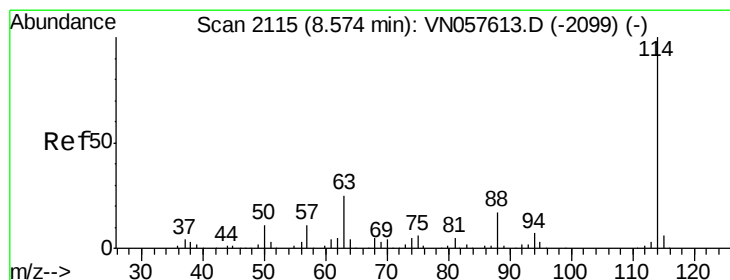
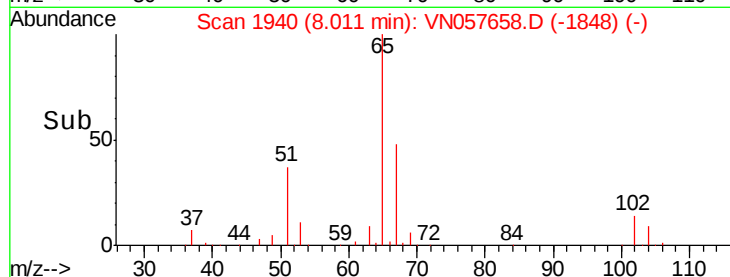
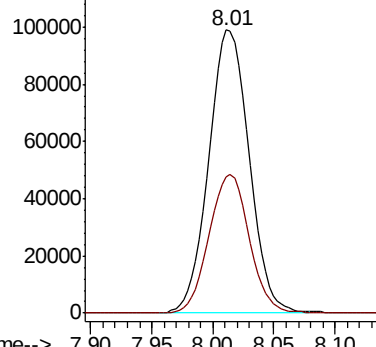
#33
 1,2-Dichloroethane-d4
 Concen: 58.061 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057658.D
 Acq: 1 Sep 2019 21:06

Instrument :
 MSVOA_N
 ClientSampled :
 T2-S-B4-(2.5)

Tgt Ion: 65 Resp: 226882
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 102.2

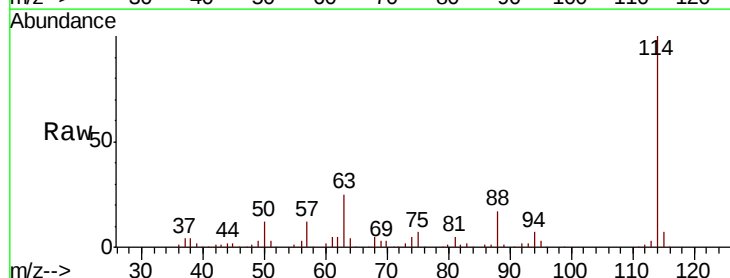


Abundance Ion 64.90 (64.60 to 65.60): VN0
 Ion 66.90 (66.60 to 67.60): VN0

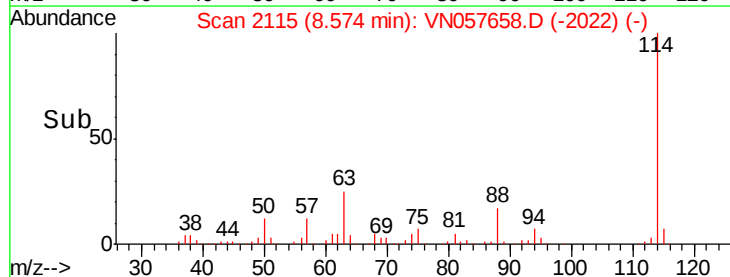
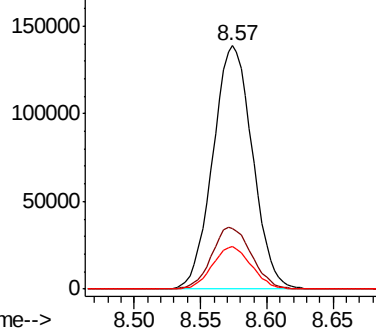


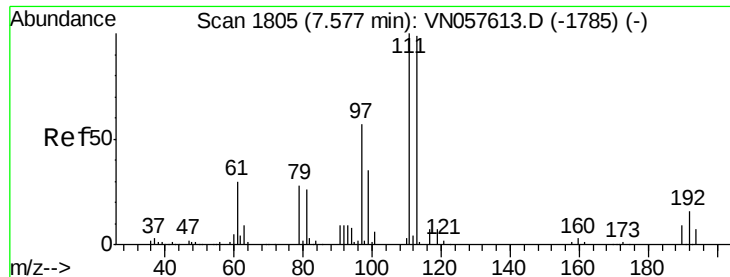
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057658.D
 Acq: 1 Sep 2019 21:06

Tgt Ion: 114 Resp: 288730
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.0
 88 17.3 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 87.90 (87.60 to 88.60): VN0

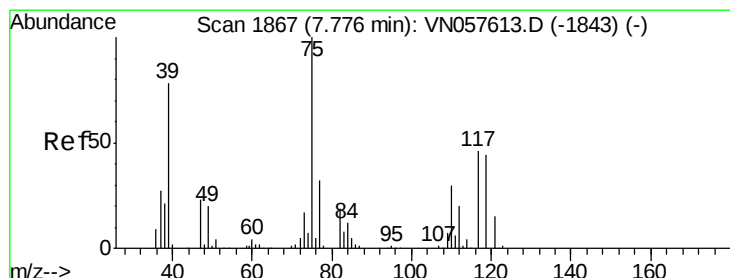
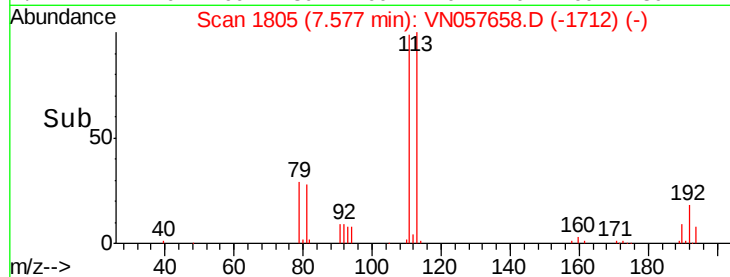
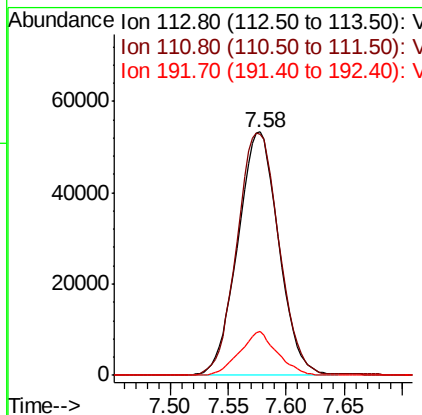
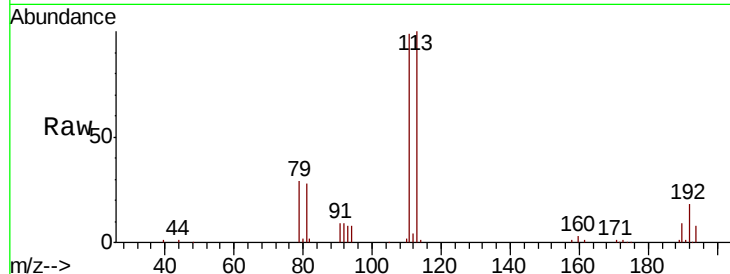




#35
 Dibromofluoromethane
 Concen: 52.057 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057658.D
 Acq: 1 Sep 2019 21:06

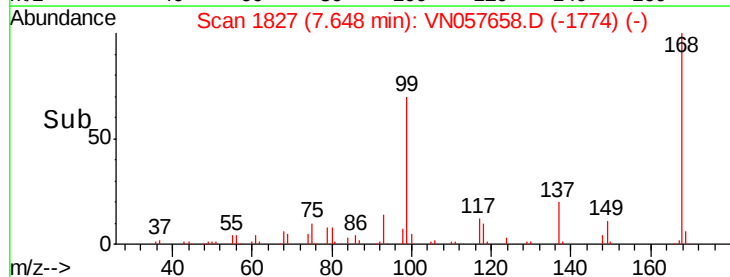
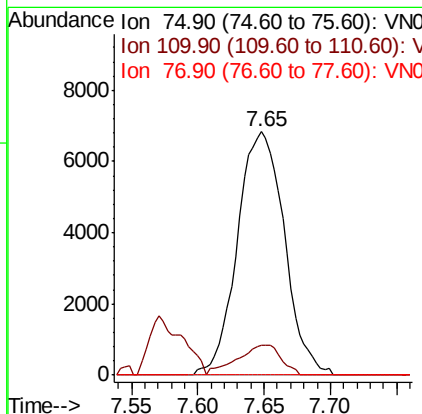
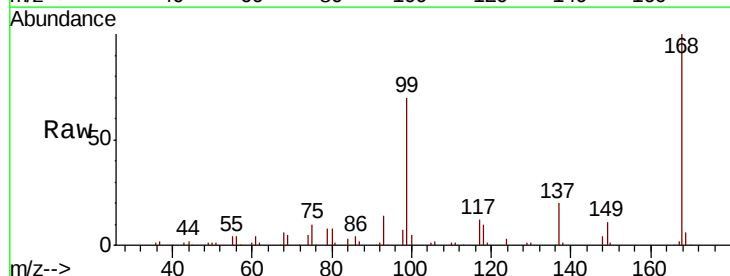
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-S-B4-(2.5)

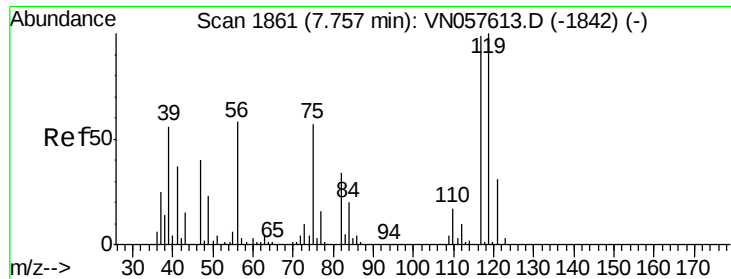
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.3	121.9
192	16.6	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 4.395 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057658.D
 Acq: 1 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	15.6	46.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.071 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057658.D

Acq: 1 Sep 2019 21:06

Instrument :

MSVOA_N

ClientSampleId :

T2-S-B4-(2.5)

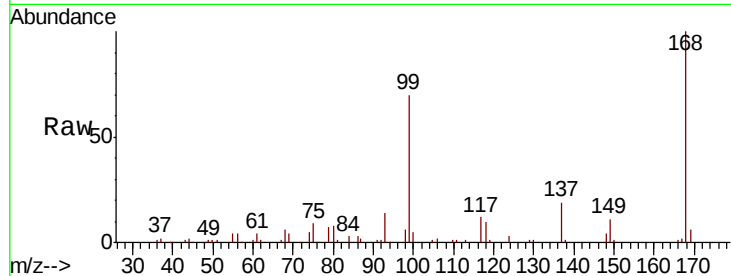
Tgt Ion:117 Resp: 20804

Ion Ratio Lower Upper

117 100

119 4.8 80.6 120.8#

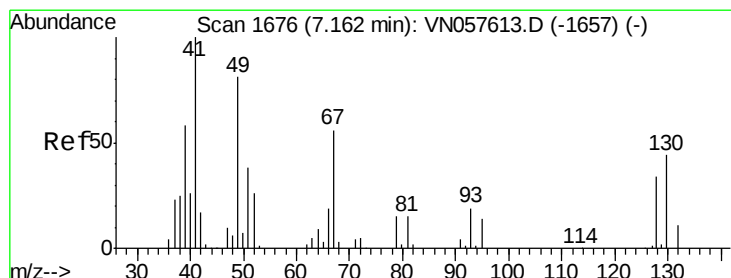
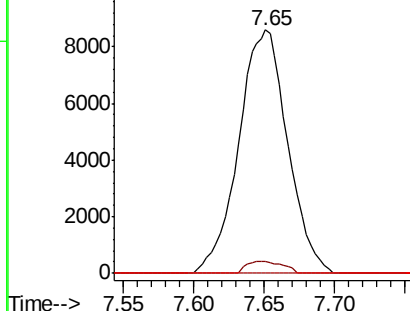
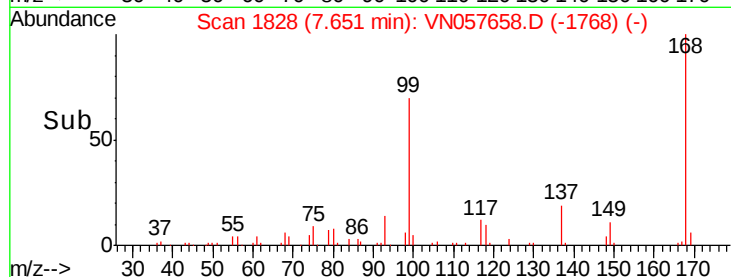
121 0.0 25.1 37.7#



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: 2.297 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.04 min

Lab File: VN057658.D

Acq: 1 Sep 2019 21:06

Tgt Ion: 41 Resp: 30

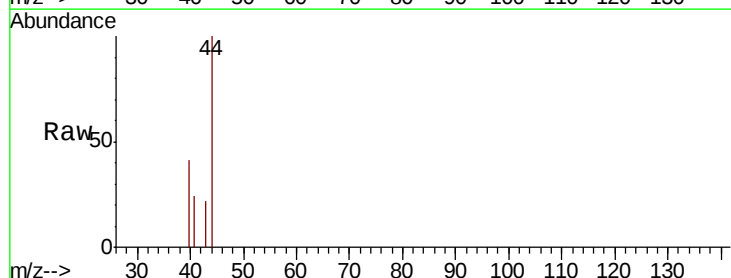
Ion Ratio Lower Upper

41 100

39 103.3 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#

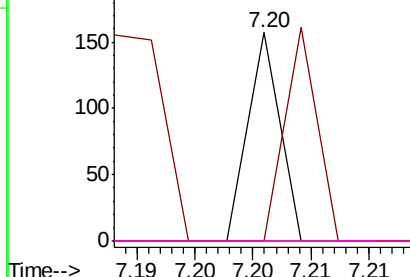
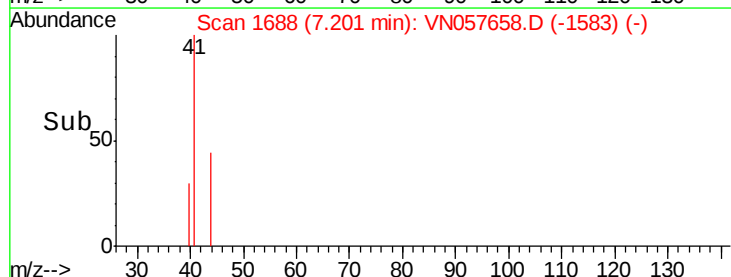


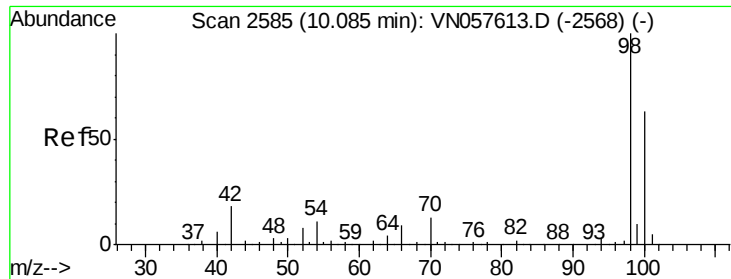
Abundance Ion 41.00 (40.70 to 41.70): V

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

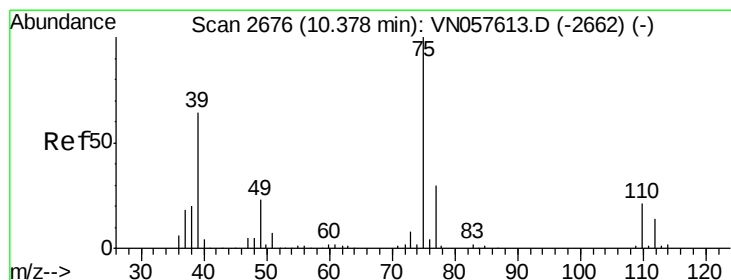
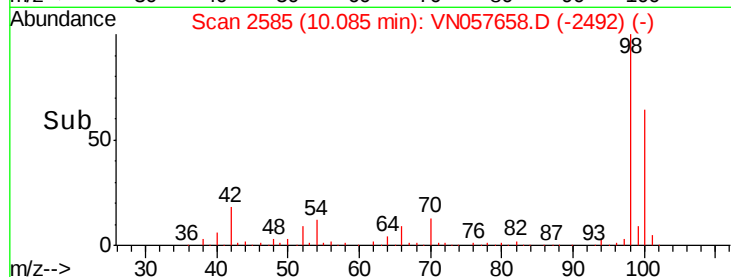
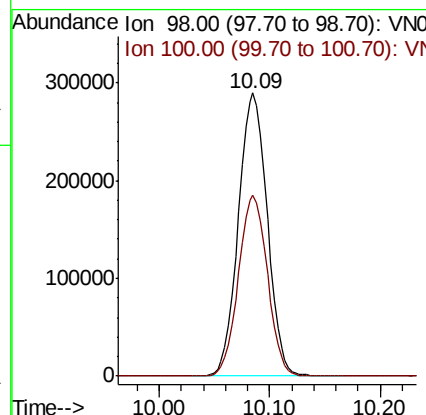
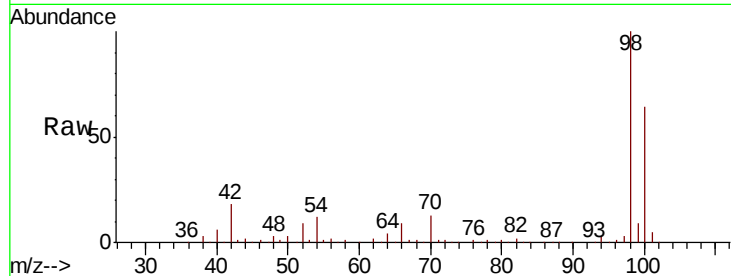




#50
Toluene-d8
Concen: 54.392 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

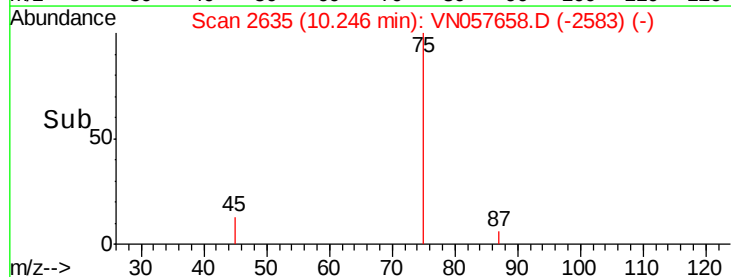
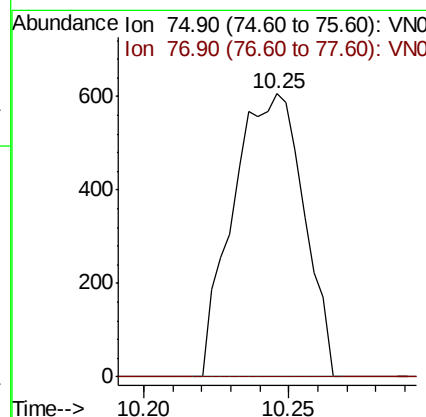
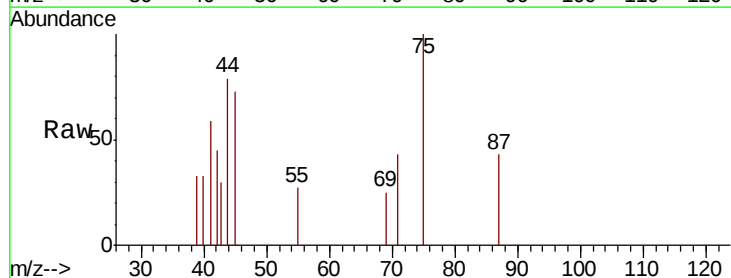
Instrument :
MSVOA_N
ClientSampled :
T2-S-B4-(2.5)

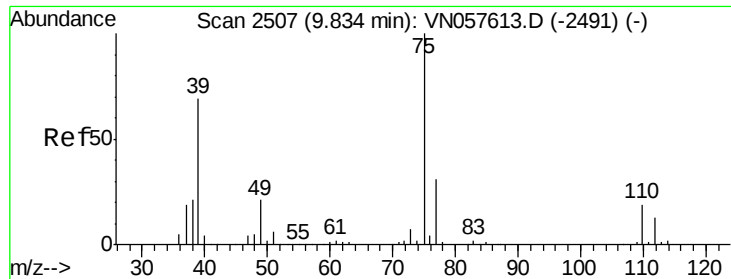
Tgt Ion: 98 Resp: 526537
Ion Ratio Lower Upper
98 100
100 63.9 49.8 74.8



#53
t-1,3-Dichloropropene
Concen: 3.440 ug/l
RT: 10.25 min Scan# 2635
Delta R.T. -0.13 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Tgt Ion: 75 Resp: 1024
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#





#54

cis-1,3-Dichloropropene

Concen: 1.819 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.24 min

Lab File: VN057658.D

Acq: 1 Sep 2019 21:06

Instrument :

MSVOA_N

ClientSampleId :

T2-S-B4-(2.5)

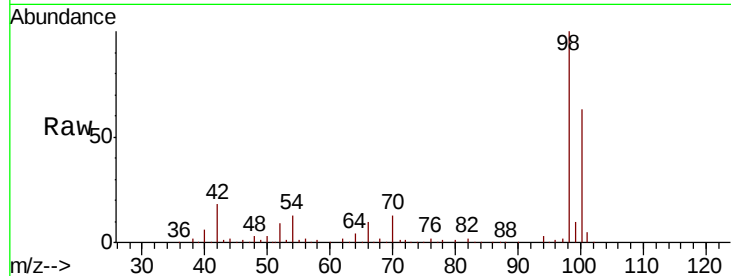
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 213.3 24.8 37.2#

39 55.3 55.0 82.4

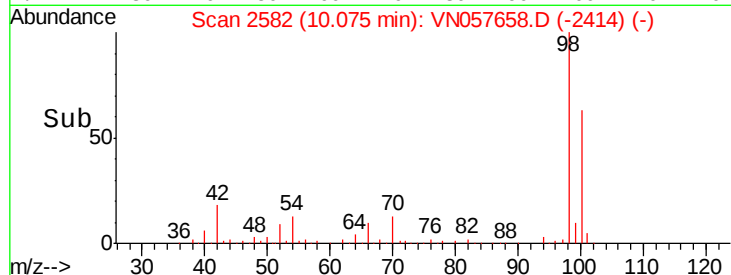


Abundance Ion 74.90 (74.60 to 75.60): VN0

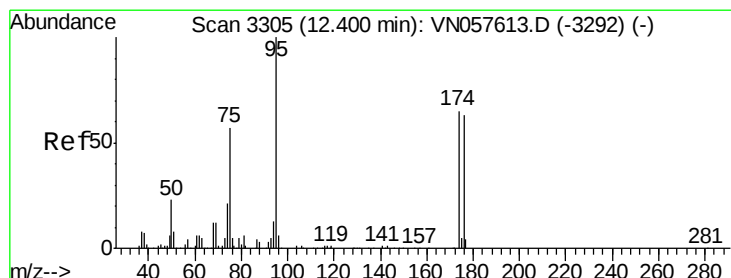
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 46.417 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057658.D

Acq: 1 Sep 2019 21:06

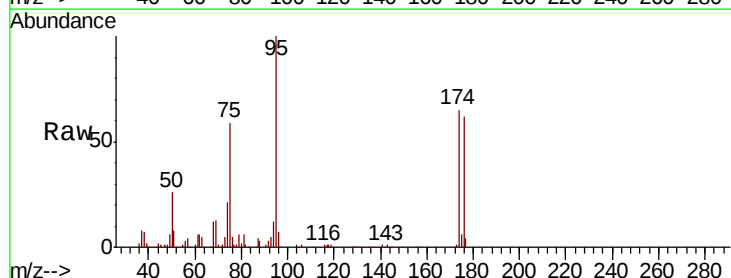
Tgt Ion: 95 Resp: 170865

Ion Ratio Lower Upper

95 100

174 66.5 0.0 134.8

176 64.4 0.0 131.6

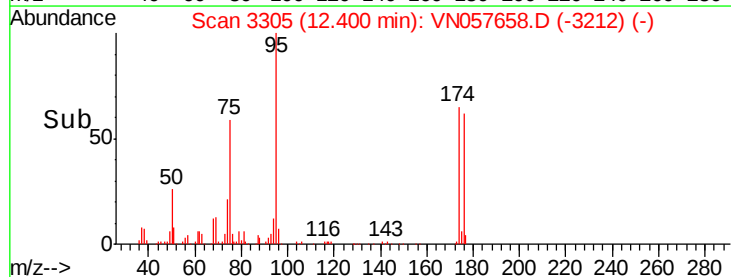


Abundance Ion 94.90 (94.60 to 95.60): VN0

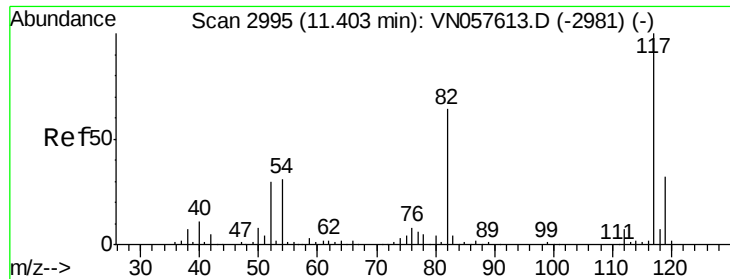
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



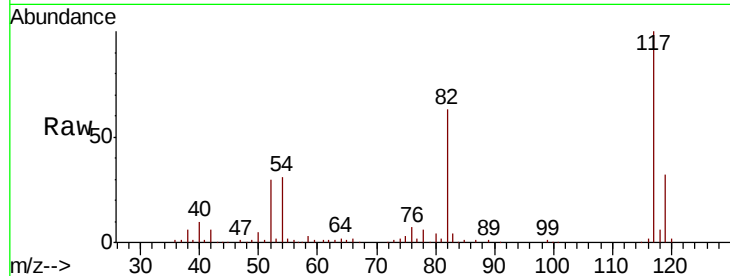
Time-->



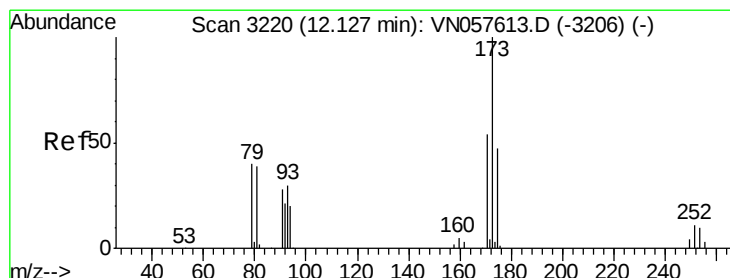
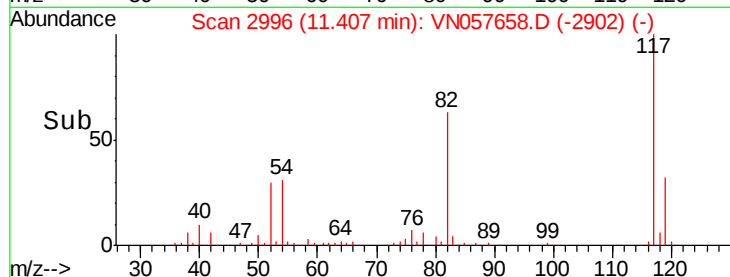
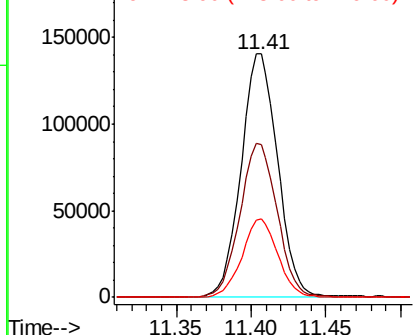
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Instrument :
MSVOA_N
ClientSampleId :
T2-S-B4-(2.5)

Tgt Ion:117 Resp: 239169
Ion Ratio Lower Upper
117 100
82 62.5 51.6 77.4
119 32.3 25.8 38.6

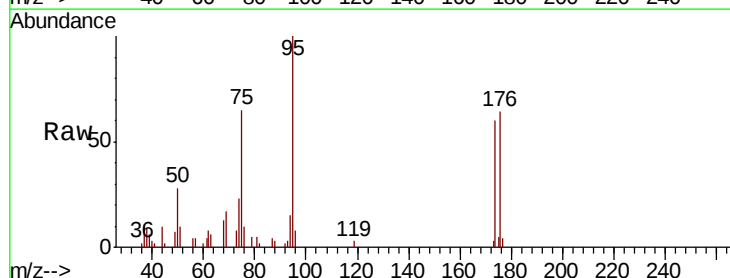


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

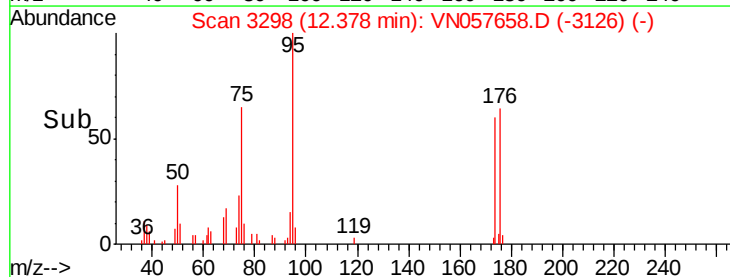
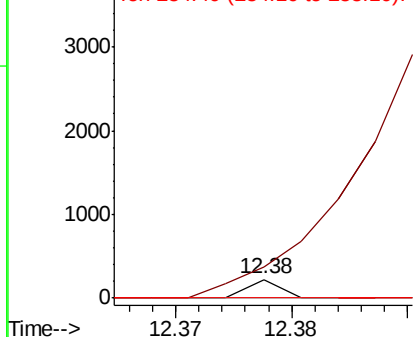


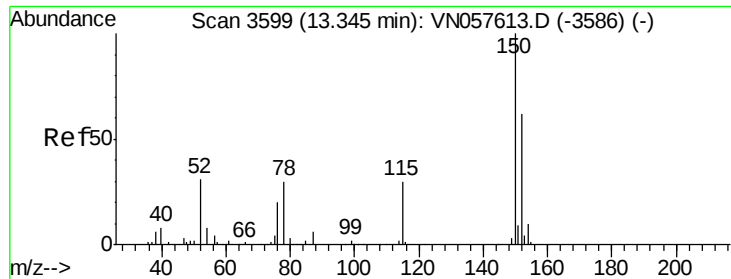
#71
Bromoform
Concen: 6.244 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.25 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Tgt Ion:173 Resp: 44
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: VN057658.D

Acq: 1 Sep 2019 21:06

Instrument :

MSVOA_N

ClientSampleId :

T2-S-B4-(2.5)

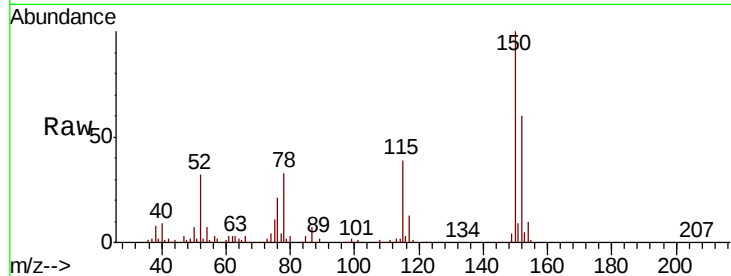
Tgt Ion:152 Resp: 106481

Ion Ratio Lower Upper

152 100

115 64.3 33.2 99.6

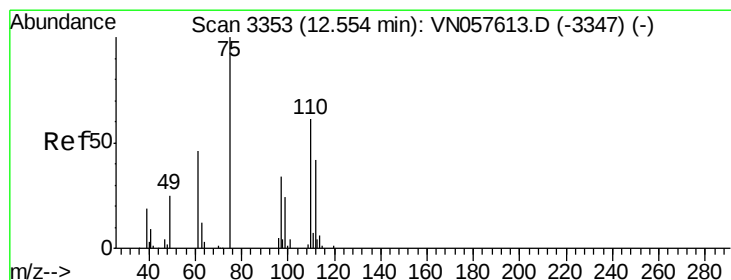
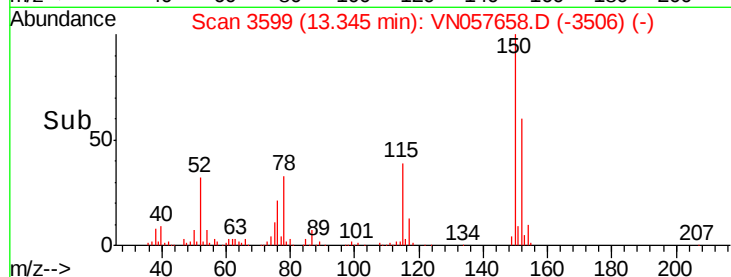
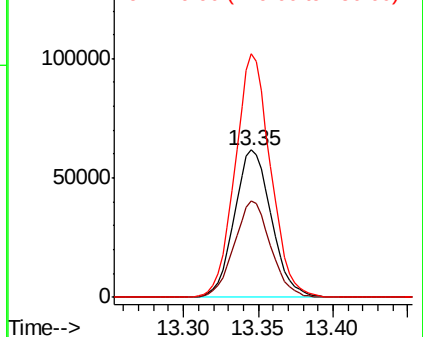
150 158.0 0.0 365.2



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: 36.506 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057658.D

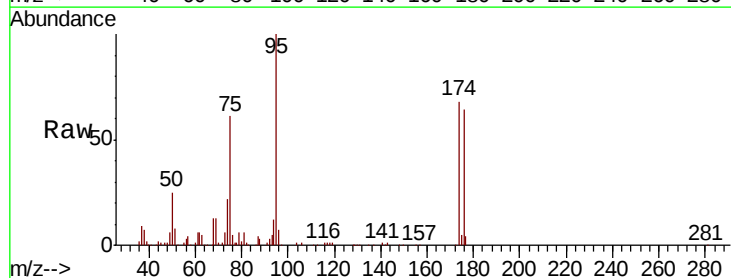
Acq: 1 Sep 2019 21:06

Tgt Ion: 75 Resp: 102251

Ion Ratio Lower Upper

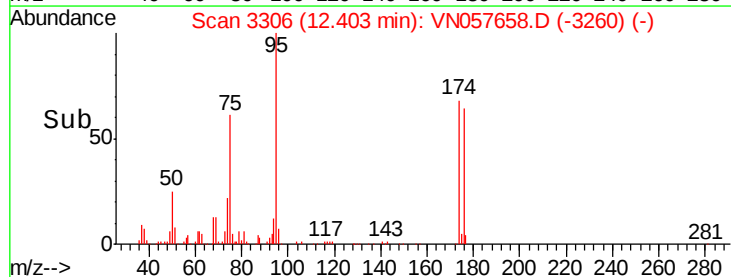
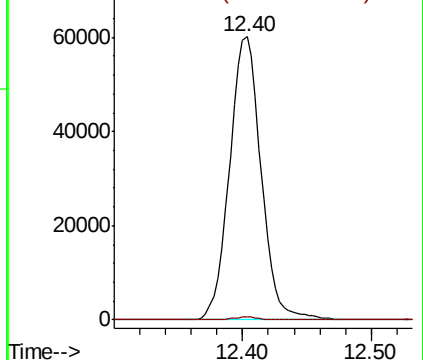
75 100

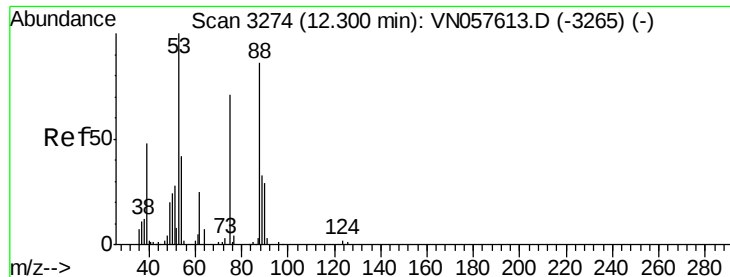
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

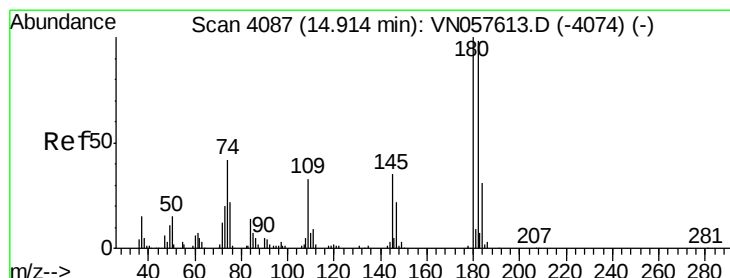
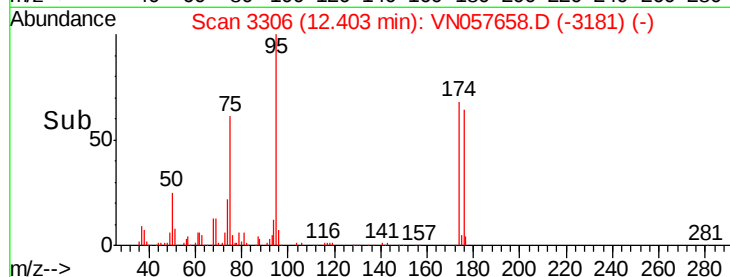
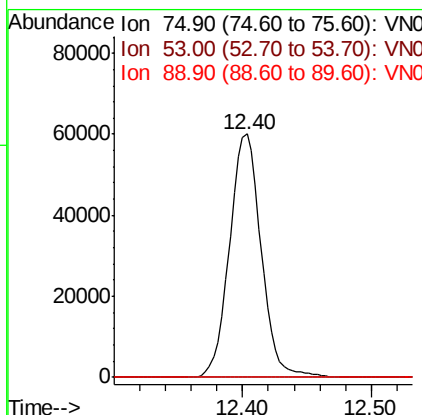
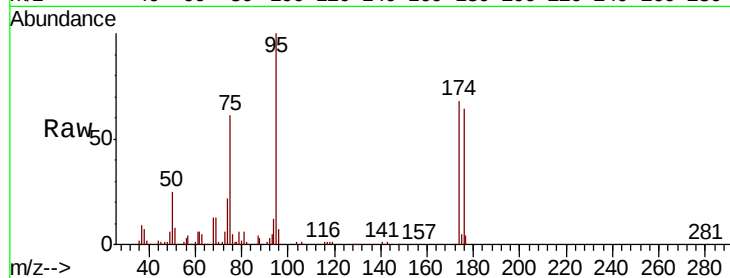




#81
trans-1,4-Dichloro-2-butene
Concen: 125.136 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

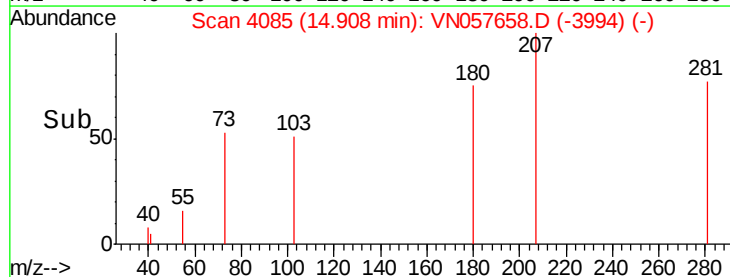
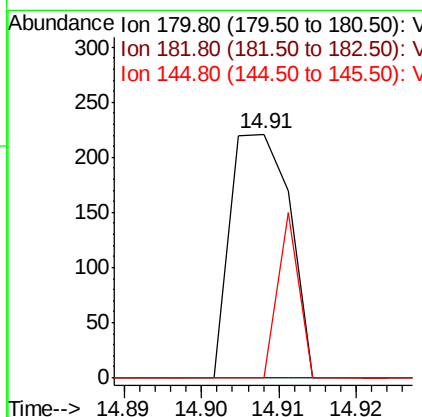
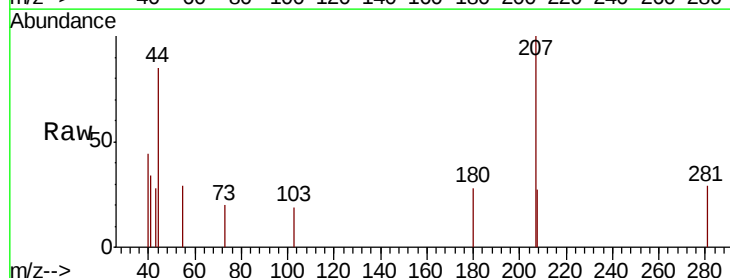
Instrument :
MSVOA_N
ClientSampleId :
T2-S-B4-(2.5)

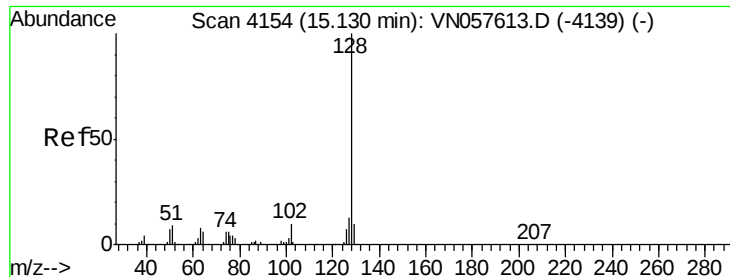
Tgt Ion: 75 Resp: 102251
Ion Ratio Lower Upper
75 100
53 0.0 111.0 166.6#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 8.360 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.01 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Tgt Ion: 180 Resp: 118
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 24.6 16.9 50.7

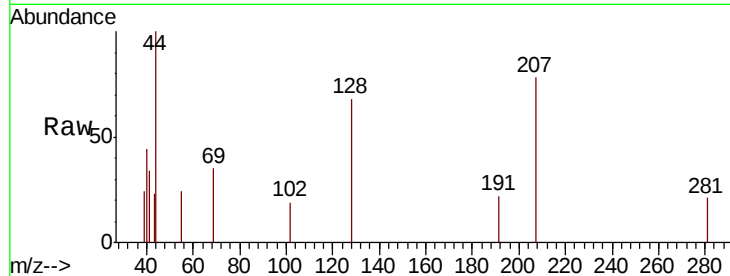




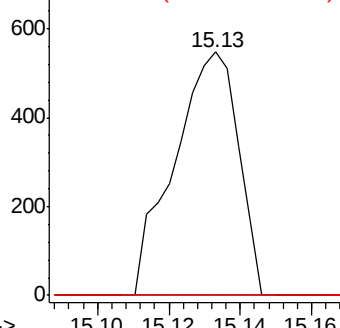
#95
Naphthalene
Concen: 7.029 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Instrument :
MSVOA_N
ClientSampleId :
T2-S-B4-(2.5)

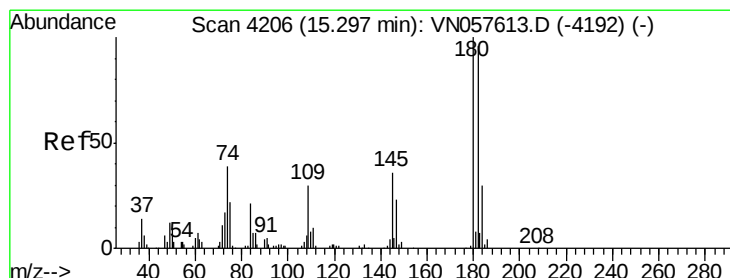
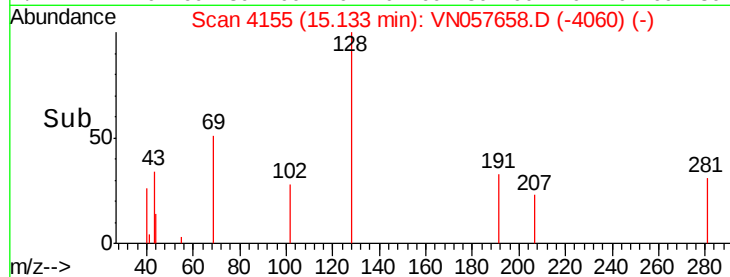
Tgt Ion:128 Resp: 680
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 12.8#



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

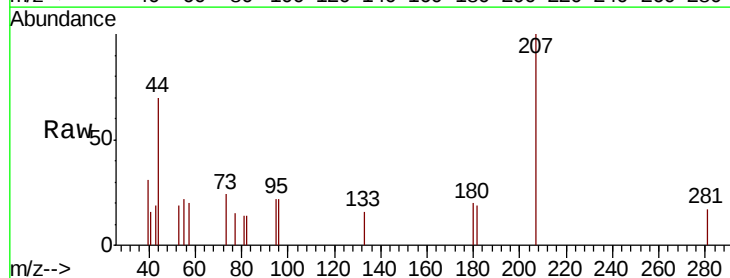


Time-->

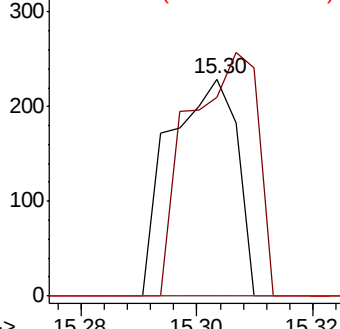


#96
1,2,3-Trichlorobenzene
Concen: 7.866 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.01 min
Lab File: VN057658.D
Acq: 1 Sep 2019 21:06

Tgt Ion:180 Resp: 186
Ion Ratio Lower Upper
180 100
182 114.0 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-->

