

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056764.D
 Acq On : 16 Jul 2019 13:26
 Operator : JC/SP
 Sample : K3834-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-4

Quant Time: Jul 17 01:08:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	264407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	467706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167409	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	152489	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	138821	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	10.09	98	578604	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	205967	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	

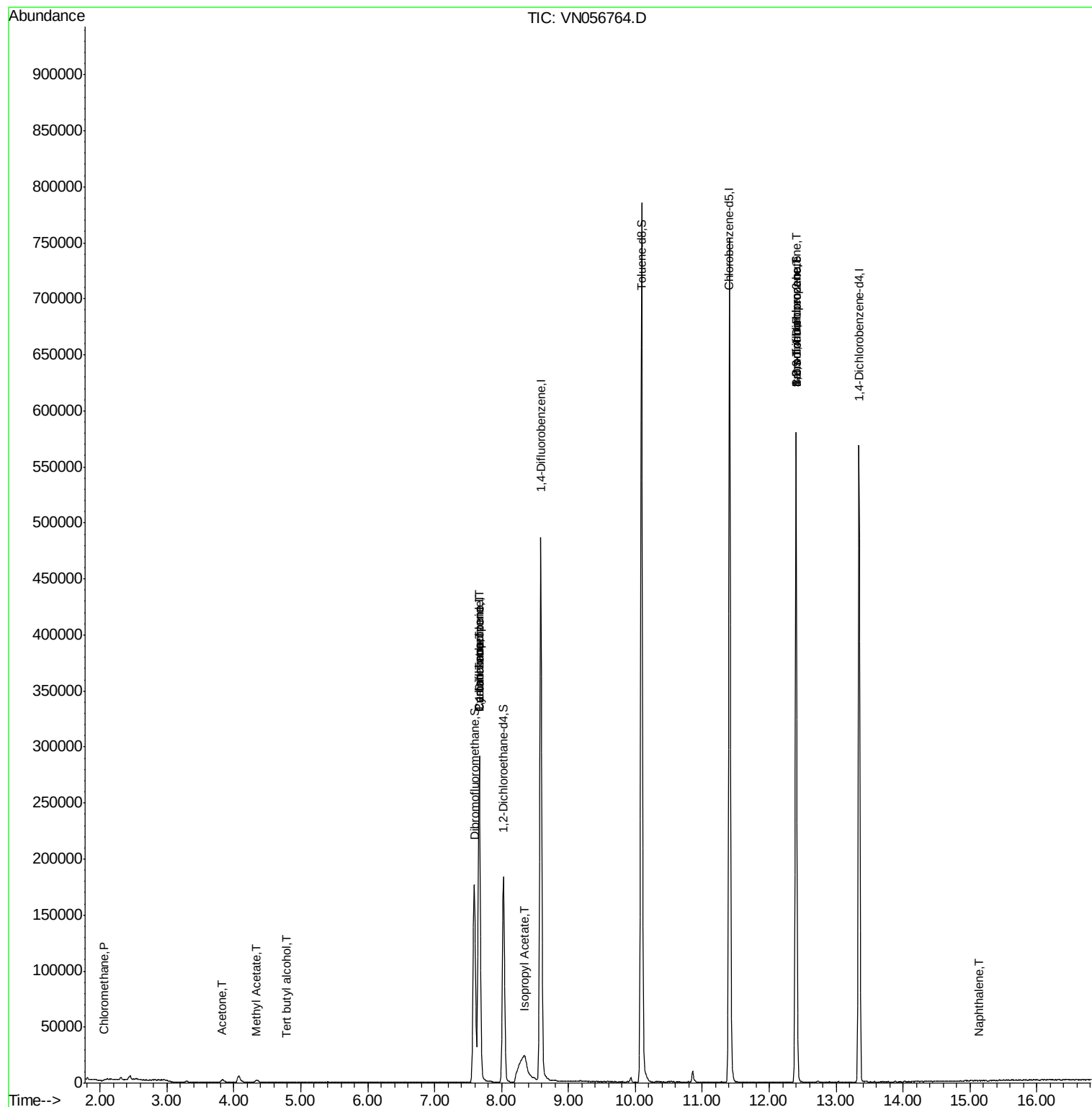
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	723	0.217	ug/l	95
11) Tert butyl alcohol	4.78	59	146	0.300	ug/l #	73
16) Acetone	3.83	43	4955	3.676	ug/l	96
18) Methyl Acetate	4.34	43	4344	0.471	ug/l #	69
31) Cyclohexane	7.67	56	4154	0.888	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	17123	3.956	ug/l #	48
38) Carbon Tetrachloride	7.67	117	22093	5.443	ug/l #	17
43) Isopropyl Acetate	8.33	43	44737	6.671	ug/l #	54
71) Bromoform	12.40	173	1661	0.603	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	96487	26.352	ug/l #	100
79) 2-Chlorotoluene	12.59	91	65	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	96487	81.383	ug/l #	13
95) Naphthalene	15.13	128	172	4.543	ug/l #	69

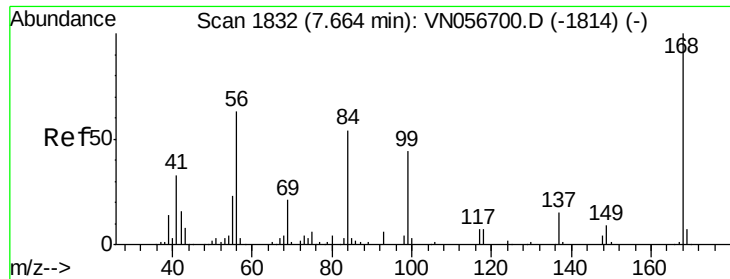
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056764.D

Acq: 16 Jul 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

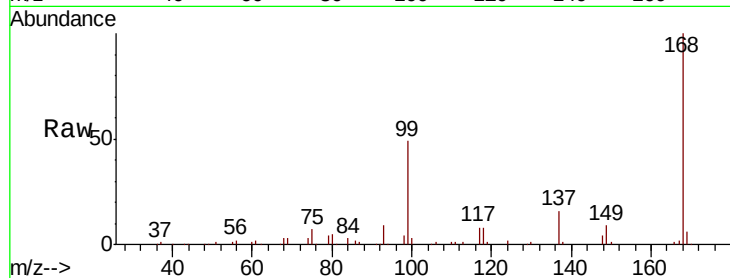
TW-4

Tot Ion:168 Resp: 264407

Ion Ratio Lower Upper

168 100

99 49.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

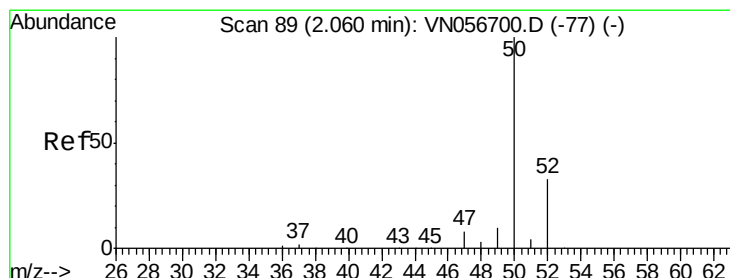
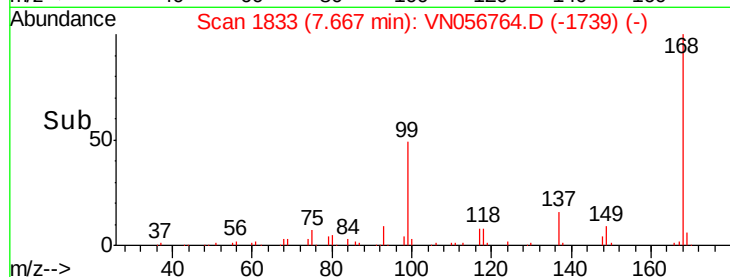
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.217 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056764.D

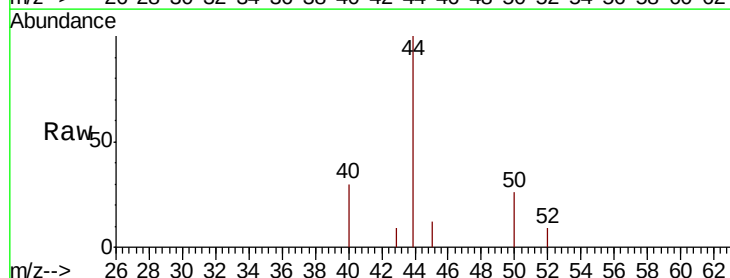
Acq: 16 Jul 2019 13:26

Tgt Ion: 50 Resp: 723

Ion Ratio Lower Upper

50 100

52 35.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

600

500

400

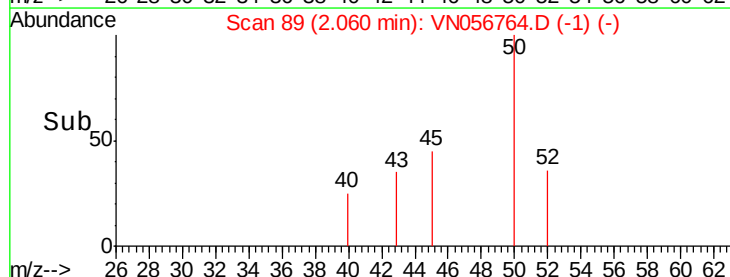
300

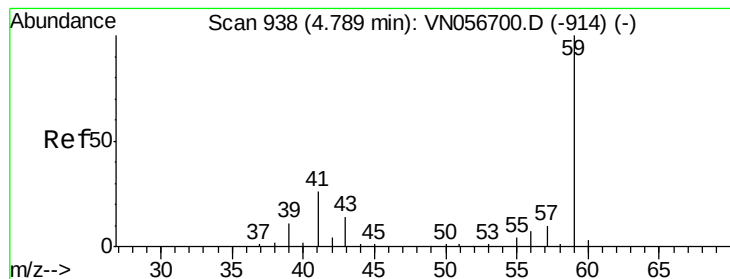
200

100

0

Time-->



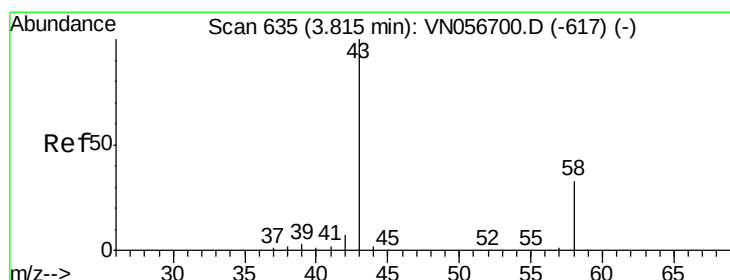
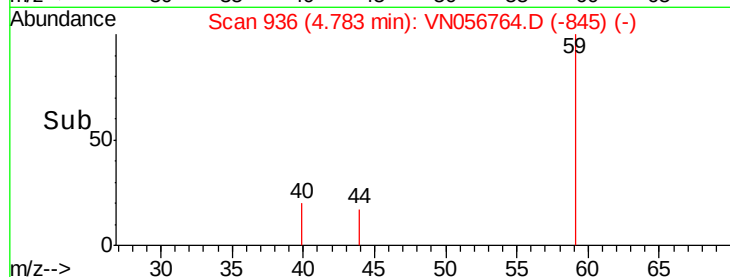
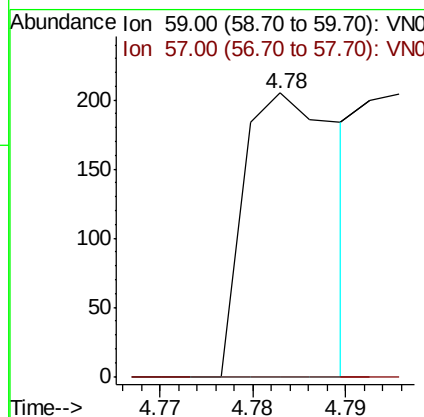
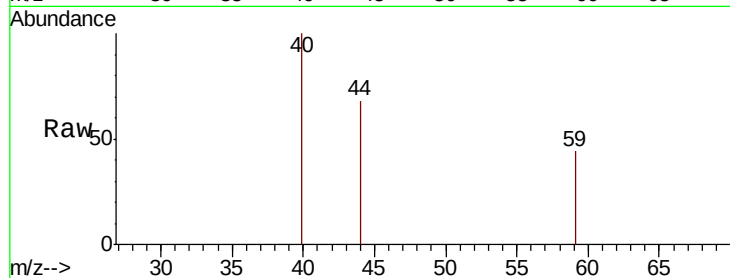


#11

Tert butyl alcohol
 Concen: 0.300 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

Instrument :
 MSVOA_N
 ClientSampled :
 TW-4

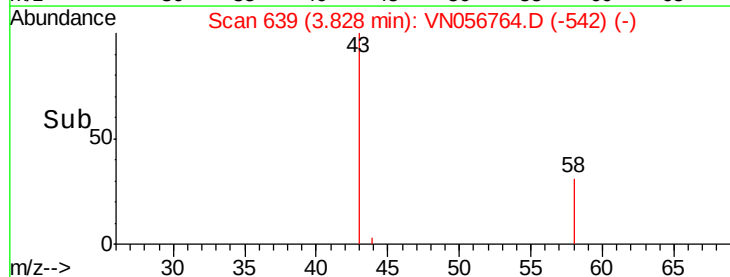
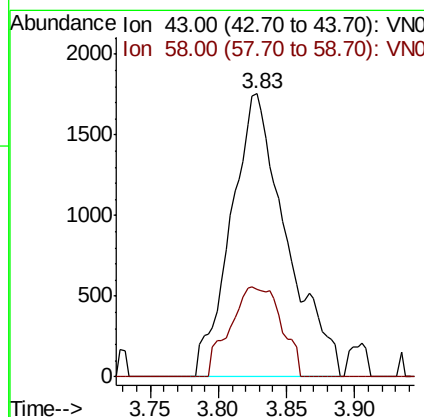
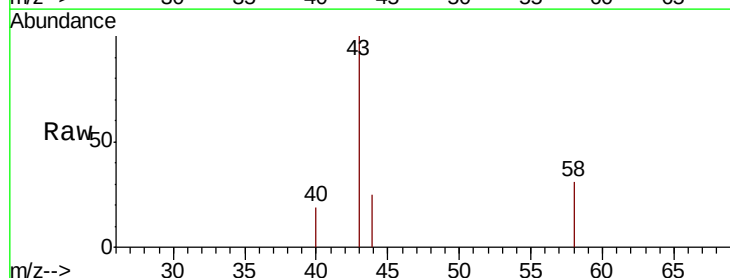
Tot Ion: 59 Resp: 146
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

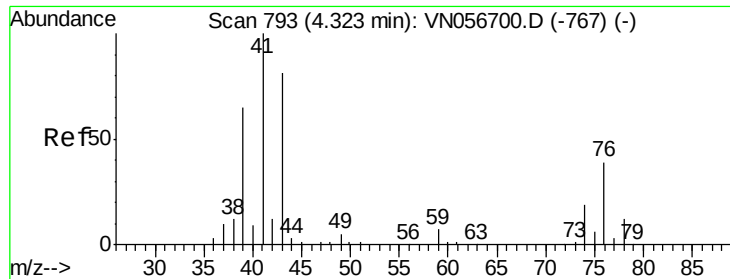


#16

Acetone
 Concen: 3.676 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

Tgt Ion: 43 Resp: 4955
 Ion Ratio Lower Upper
 43 100
 58 31.1 26.7 40.1

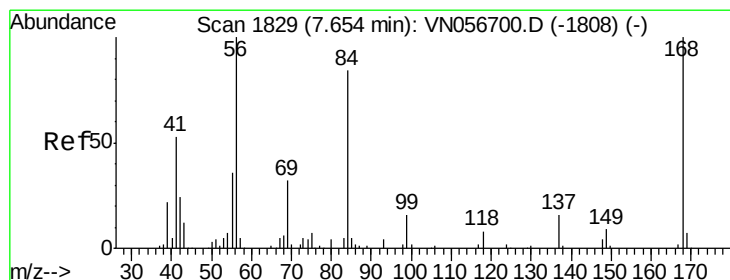
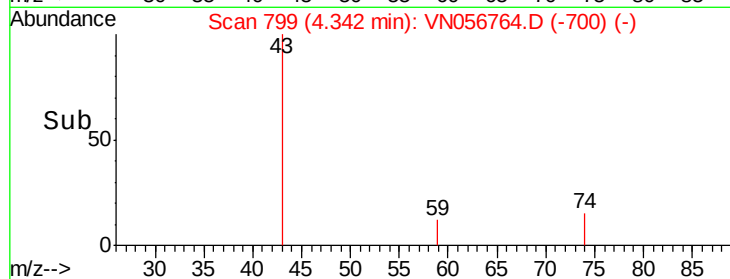
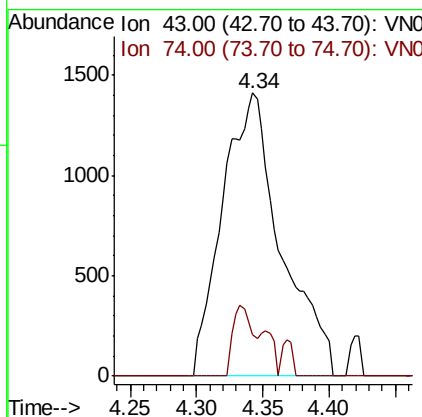
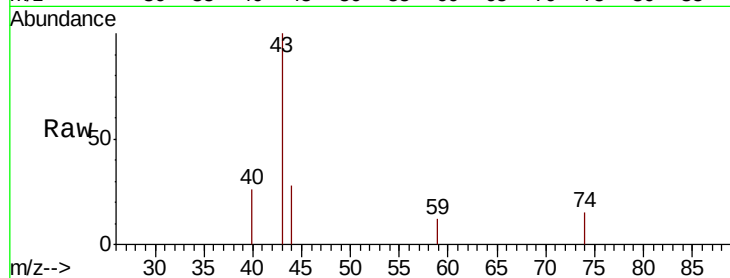




#18
Methvl Acetate
Concen: 0.471 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

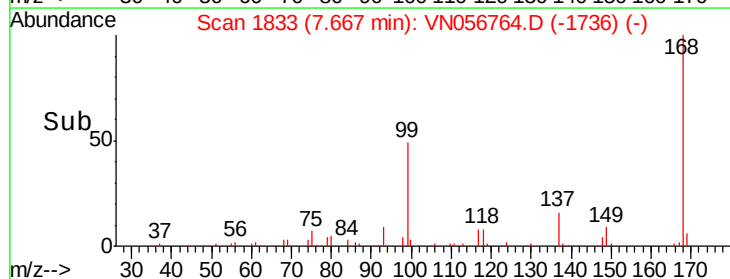
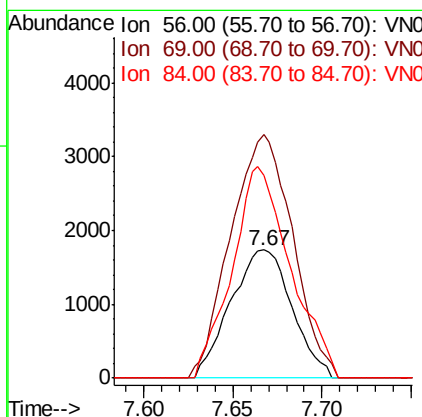
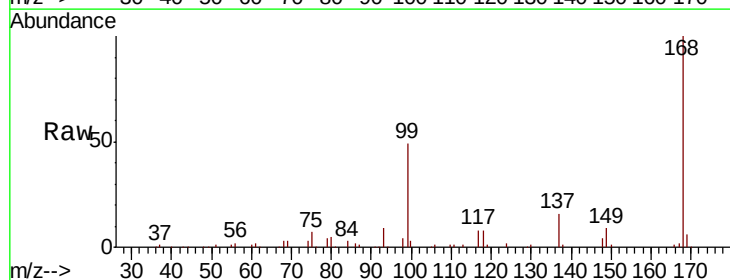
Instrument :
MSVOA_N
ClientSampleId :
TW-4

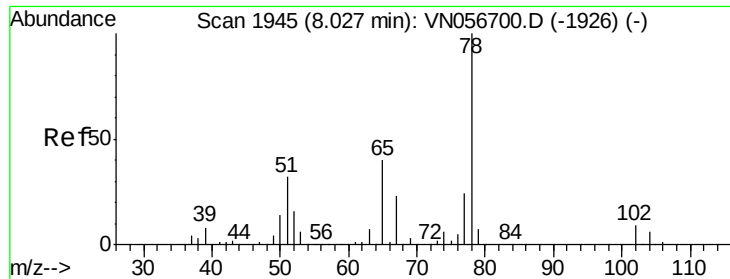
Tot Ion: 43 Resp: 4344
Ion Ratio Lower Upper
43 100
74 8.3 18.9 28.3#



#31
Cyclohexane
Concen: 0.888 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

Tgt Ion: 56 Resp: 4154
Ion Ratio Lower Upper
56 100
69 190.5 25.8 38.8#
84 158.1 67.4 101.0#

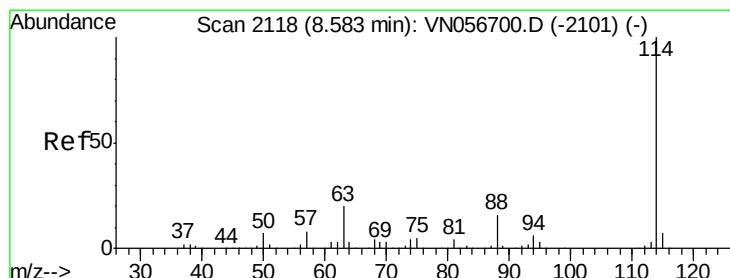
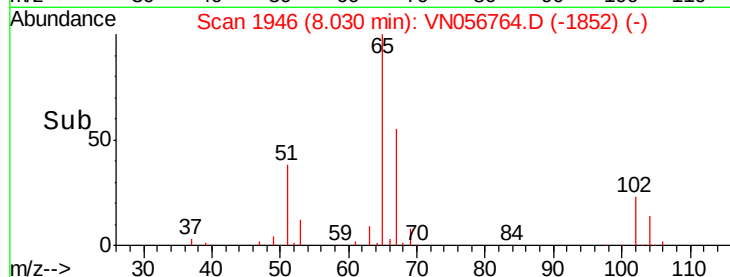
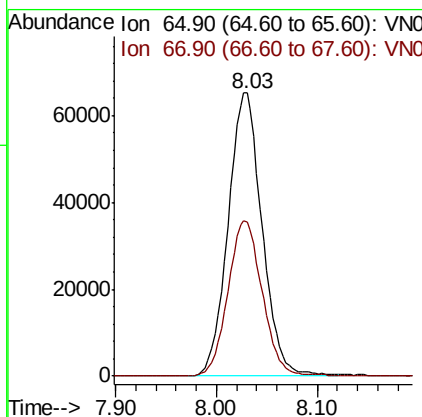
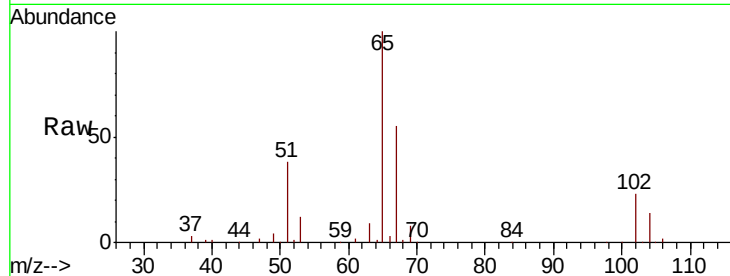




#33
 1,2-Dichloroethane-d4
 Concen: 52.138 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

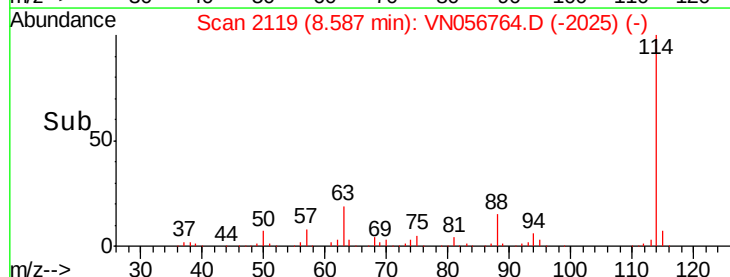
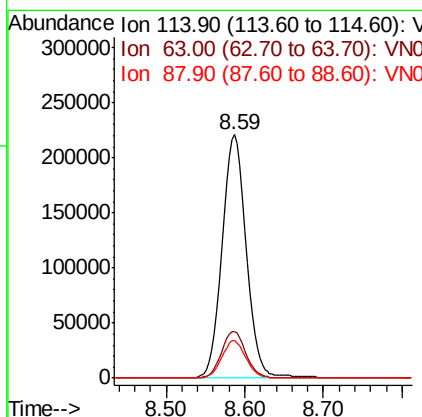
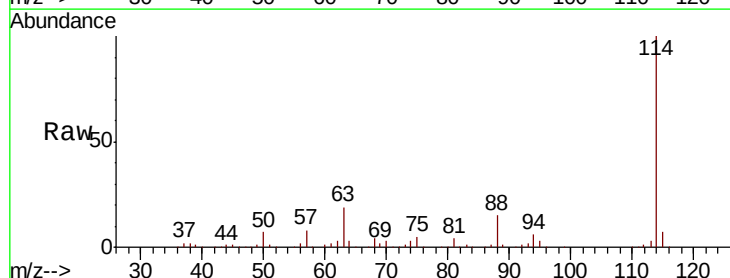
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-4

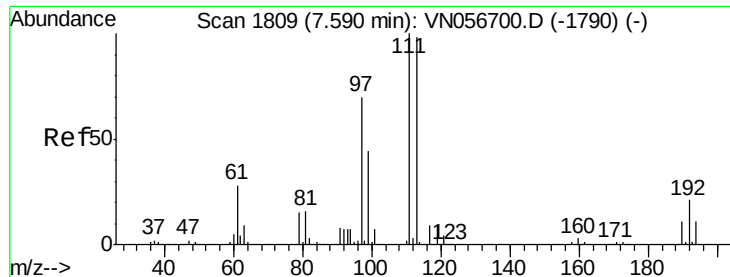
Tot Ion: 65 Resp: 152489
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

Tgt Ion: 114 Resp: 467706
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.4 0.0 31.2

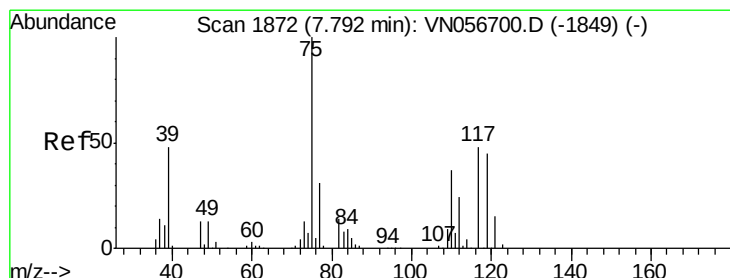
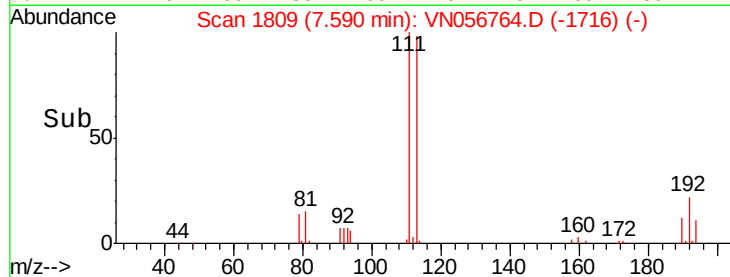
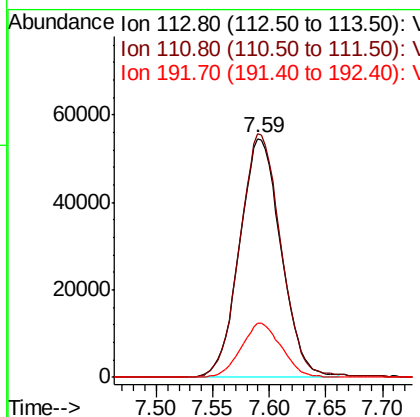
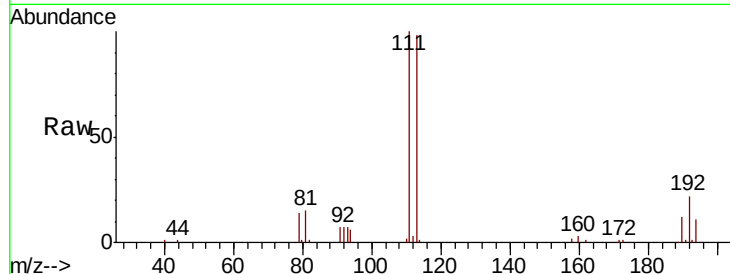




#35
 Dibromofluoromethane
 Concen: 47.695 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

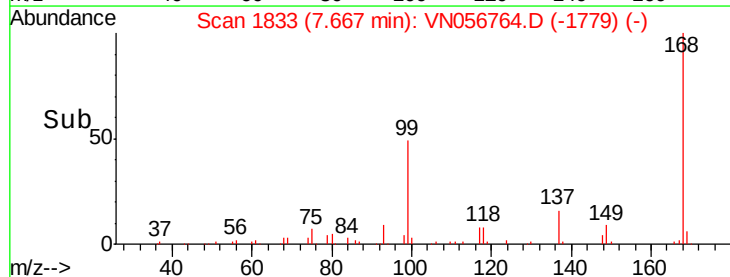
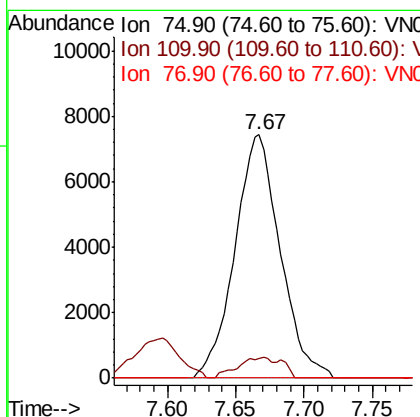
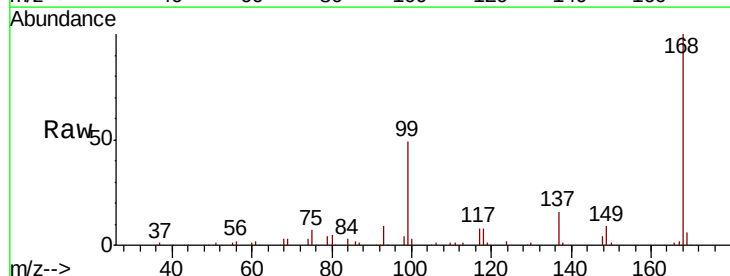
Instrument :
 MSVOA_N
 ClientSampled :
 TW-4

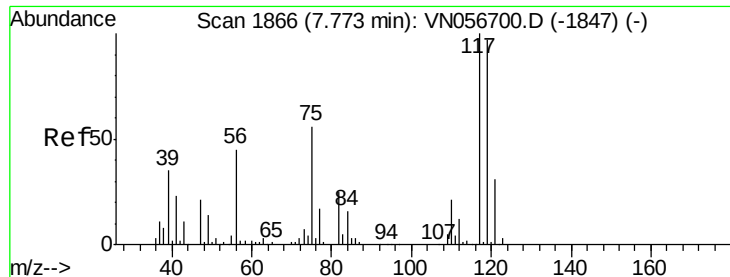
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.6
192	22.1	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 3.956 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.4#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.443 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056764.D

Acq: 16 Jul 2019 13:26

Instrument :

MSVOA_N

ClientSampled :

TW-4

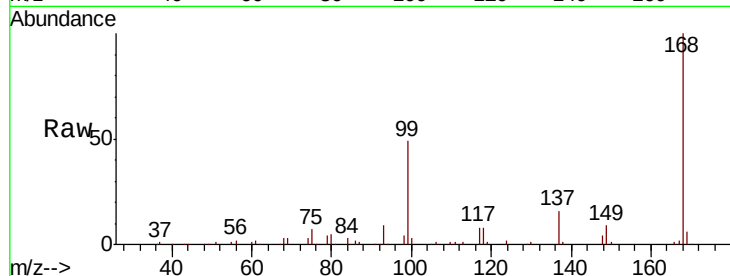
Tot Ion:117 Resp: 22093

Ion Ratio Lower Upper

117 100

119 6.4 77.5 116.3#

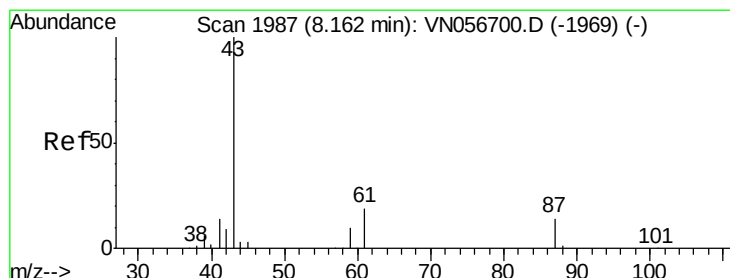
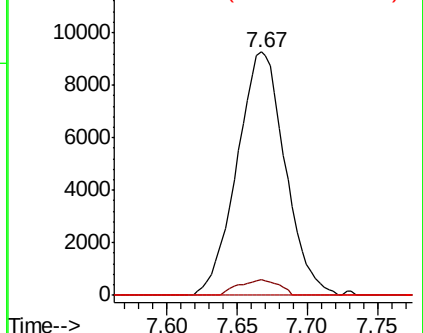
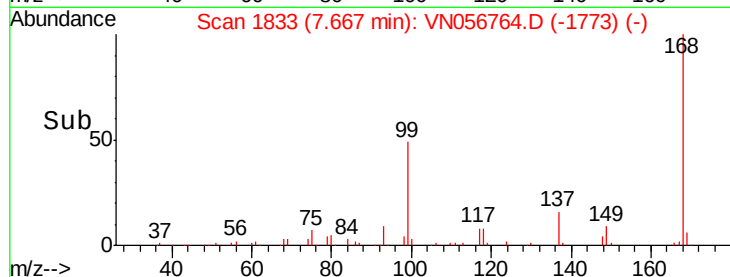
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 6.671 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN056764.D

Acq: 16 Jul 2019 13:26

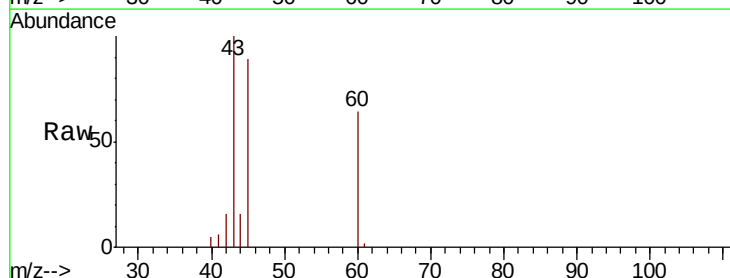
Tgt Ion: 43 Resp: 44737

Ion Ratio Lower Upper

43 100

61 0.3 22.3 33.5#

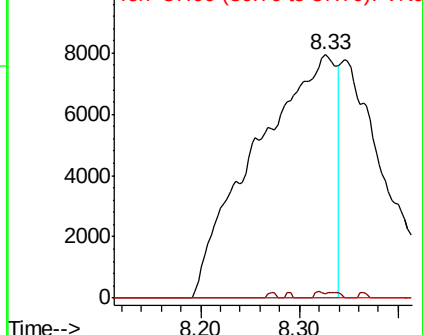
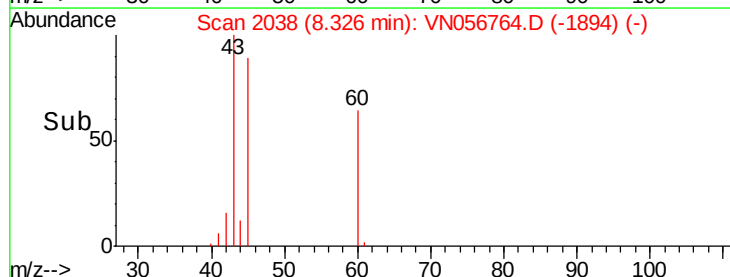
87 0.0 11.1 16.7#

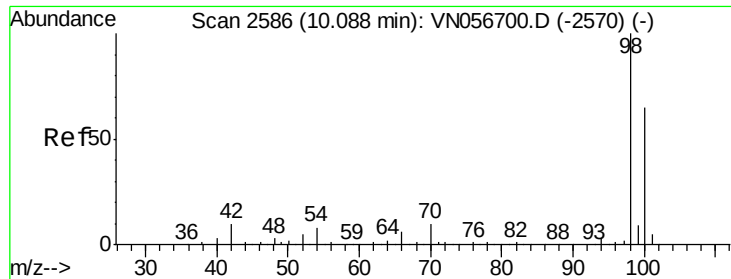


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

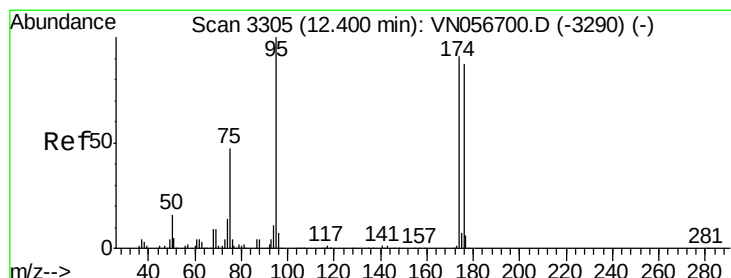
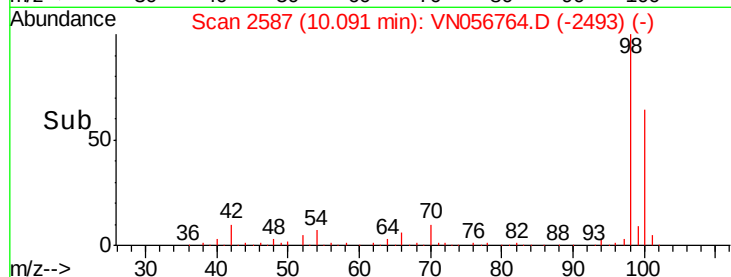
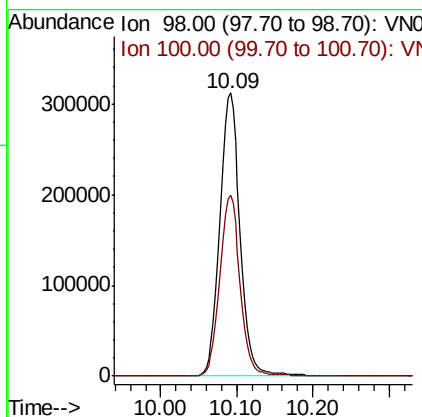
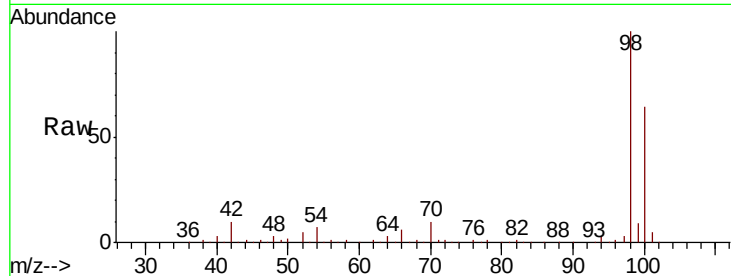




#50
Toluene-d8
Concen: 51.470 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

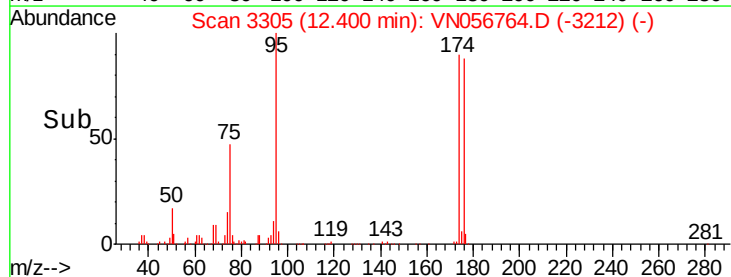
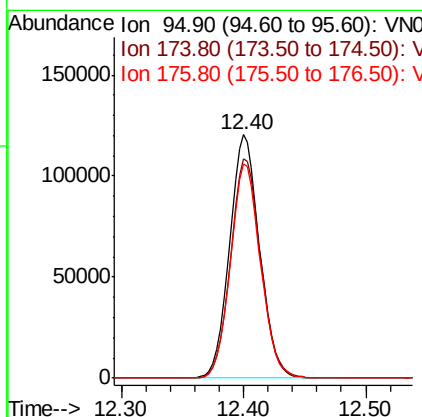
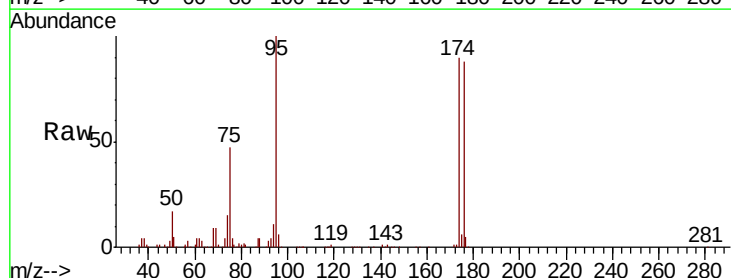
Instrument :
MSVOA_N
ClientSampled :
TW-4

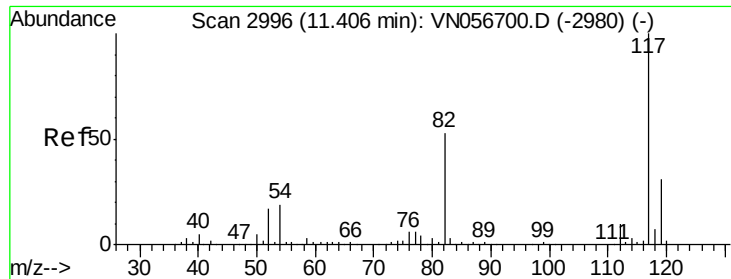
Tot Ion: 98 Resp: 578604
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.330 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

Tgt Ion: 95 Resp: 205967
Ion Ratio Lower Upper
95 100
174 91.1 0.0 180.0
176 87.8 0.0 173.2

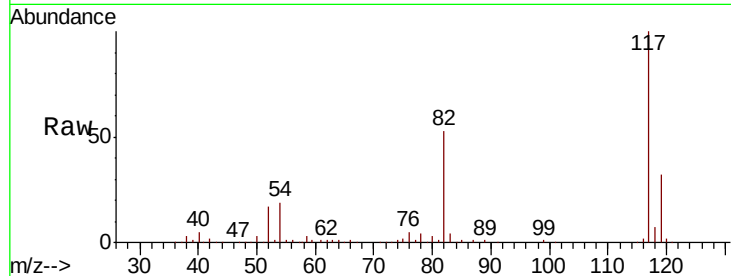




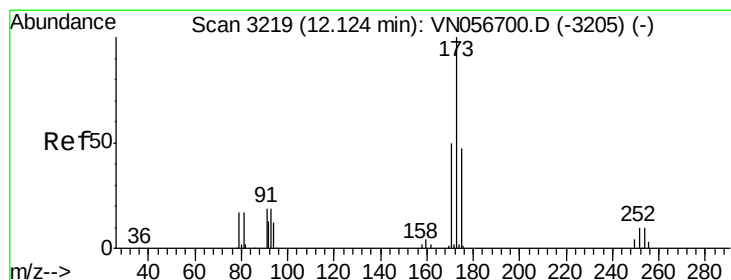
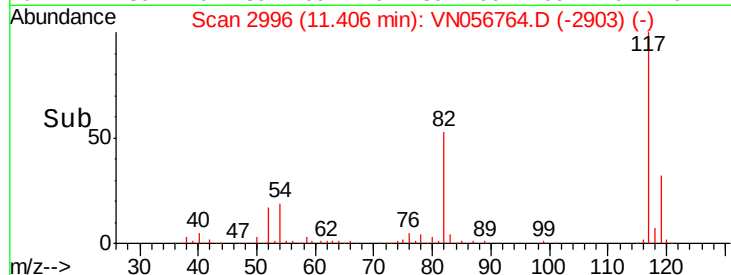
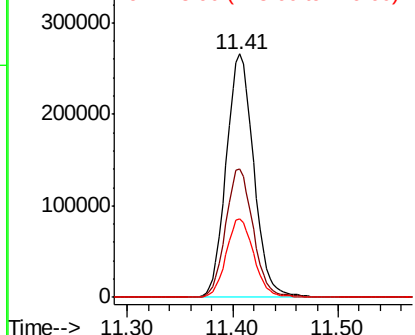
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
TW-4

Tot Ion:117 Resp: 480645
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.2
119 32.4 25.2 37.8

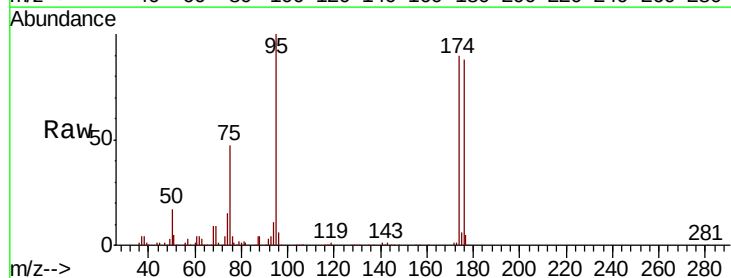


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

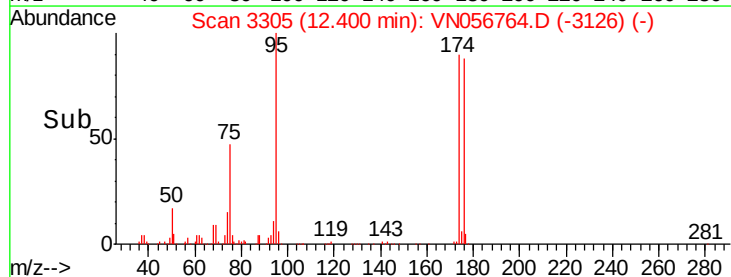
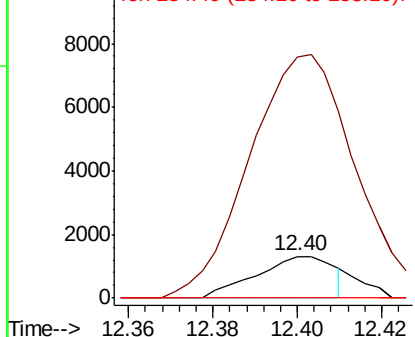


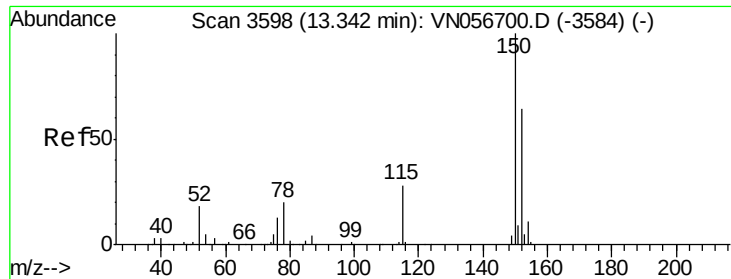
#71
Bromoform
Concen: 0.603 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

Tgt Ion:173 Resp: 1661
Ion Ratio Lower Upper
173 100
175 649.5 23.8 71.4#
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



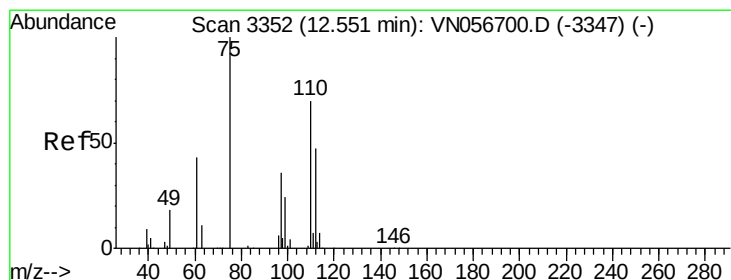
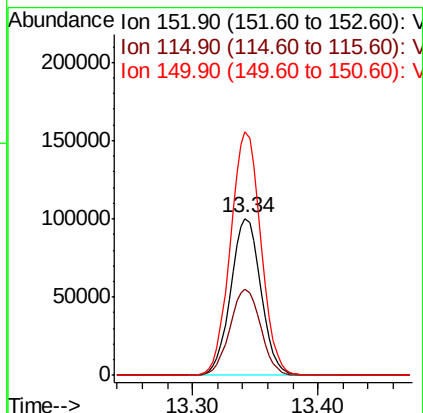
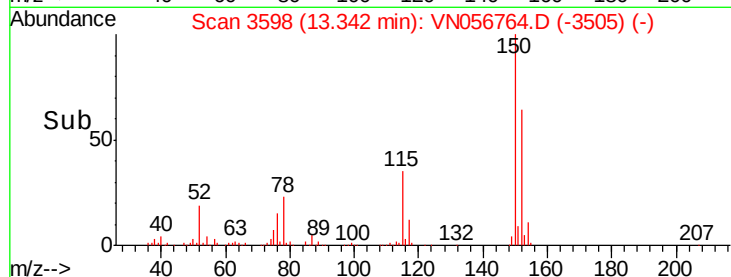
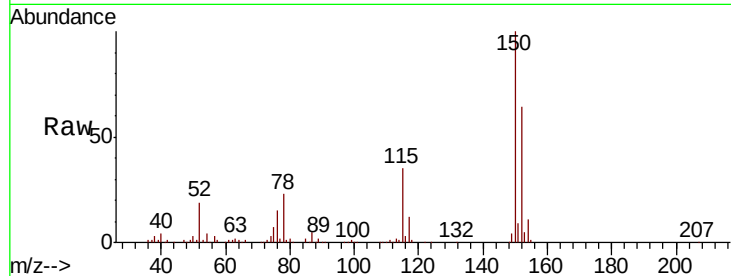


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

Instrument :
MSVOA_N
ClientSampled :
TW-4

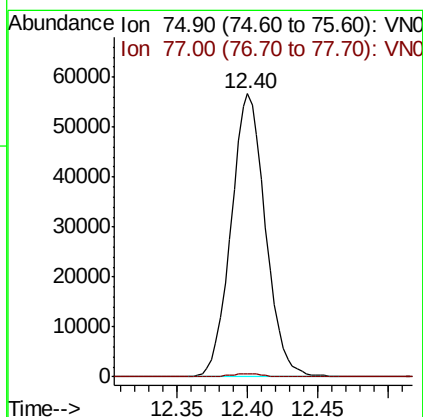
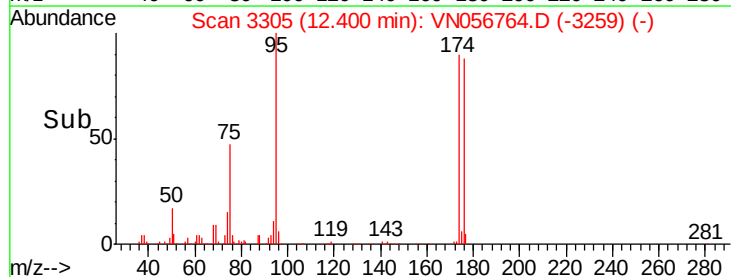
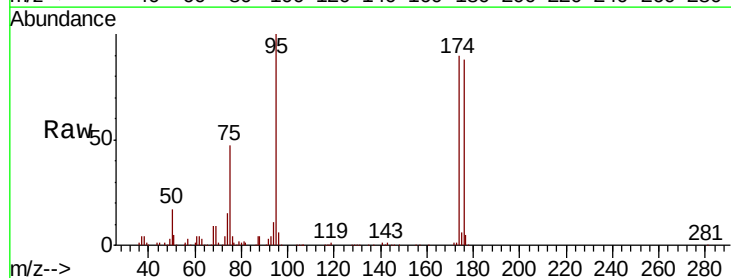
Tot Ion:152 Resp: 167409
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.7
150 156.5 0.0 345.8

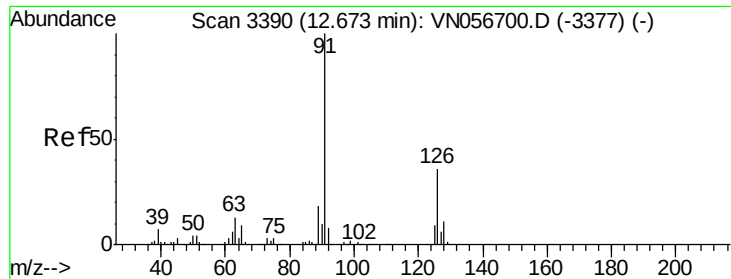


#76

1,2,3-Trichloropropane
Concen: 26.352 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056764.D
Acq: 16 Jul 2019 13:26

Tgt Ion: 75 Resp: 96487
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

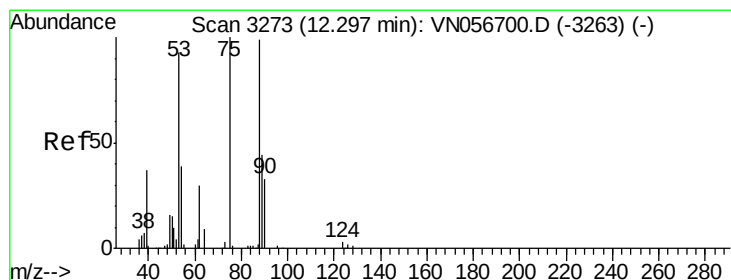
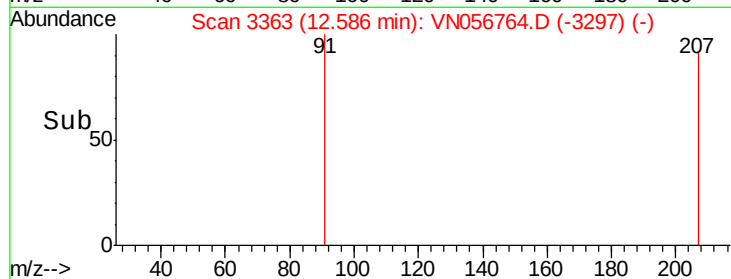
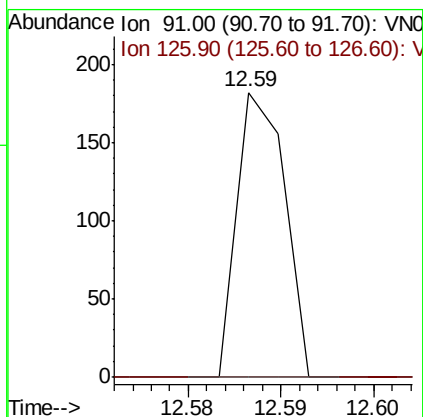
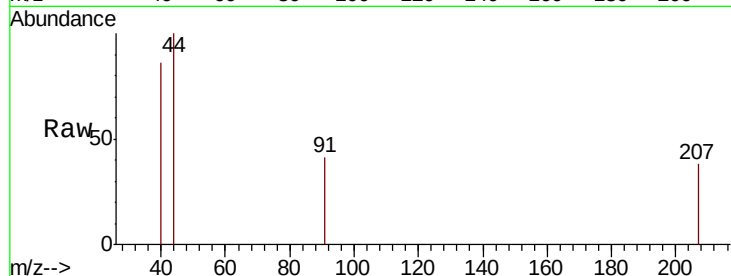




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3363
 Delta R.T. -0.09 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

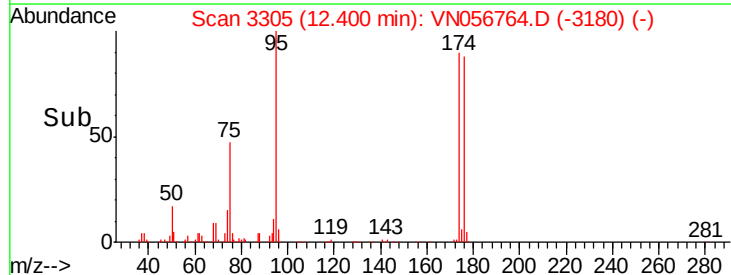
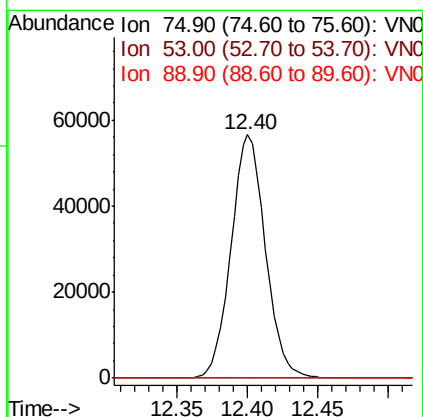
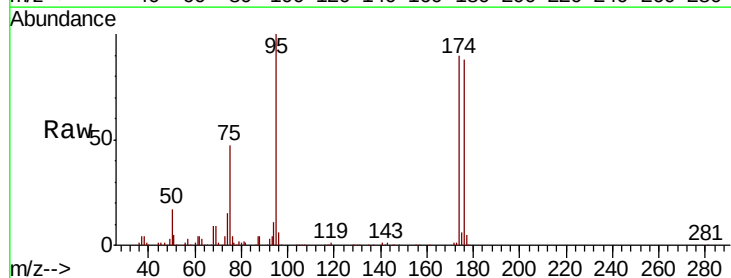
Instrument :
 MSVOA_N
 ClientSampled :
 TW-4

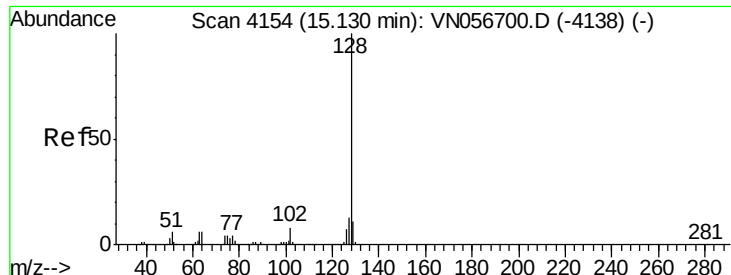
Tot Ion: 91 Resp: 65
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.383 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056764.D
 Acq: 16 Jul 2019 13:26

Tgt Ion: 75 Resp: 96487
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.7 110.5#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 4.543 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056764.D

Acq: 16 Jul 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

TW-4

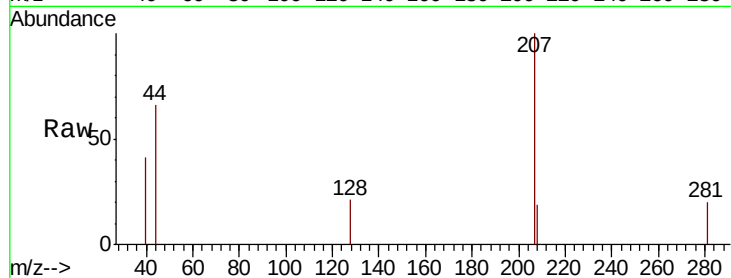
Tot Ion:128 Resp: 172

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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

