

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051856.D
 Acq On : 13 Oct 2018 1:40
 Operator : MD\SY
 Sample : J5205-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-101118

Quant Time: Oct 13 03:52:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	818970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1199868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1021676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	332590	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	450322	57.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.06%	
35) Dibromofluoromethane	7.59	113	433497	58.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.20%	
50) Toluene-d8	10.09	98	1642264	59.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.14%	
62) 4-Bromofluorobenzene	12.40	95	434634	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	

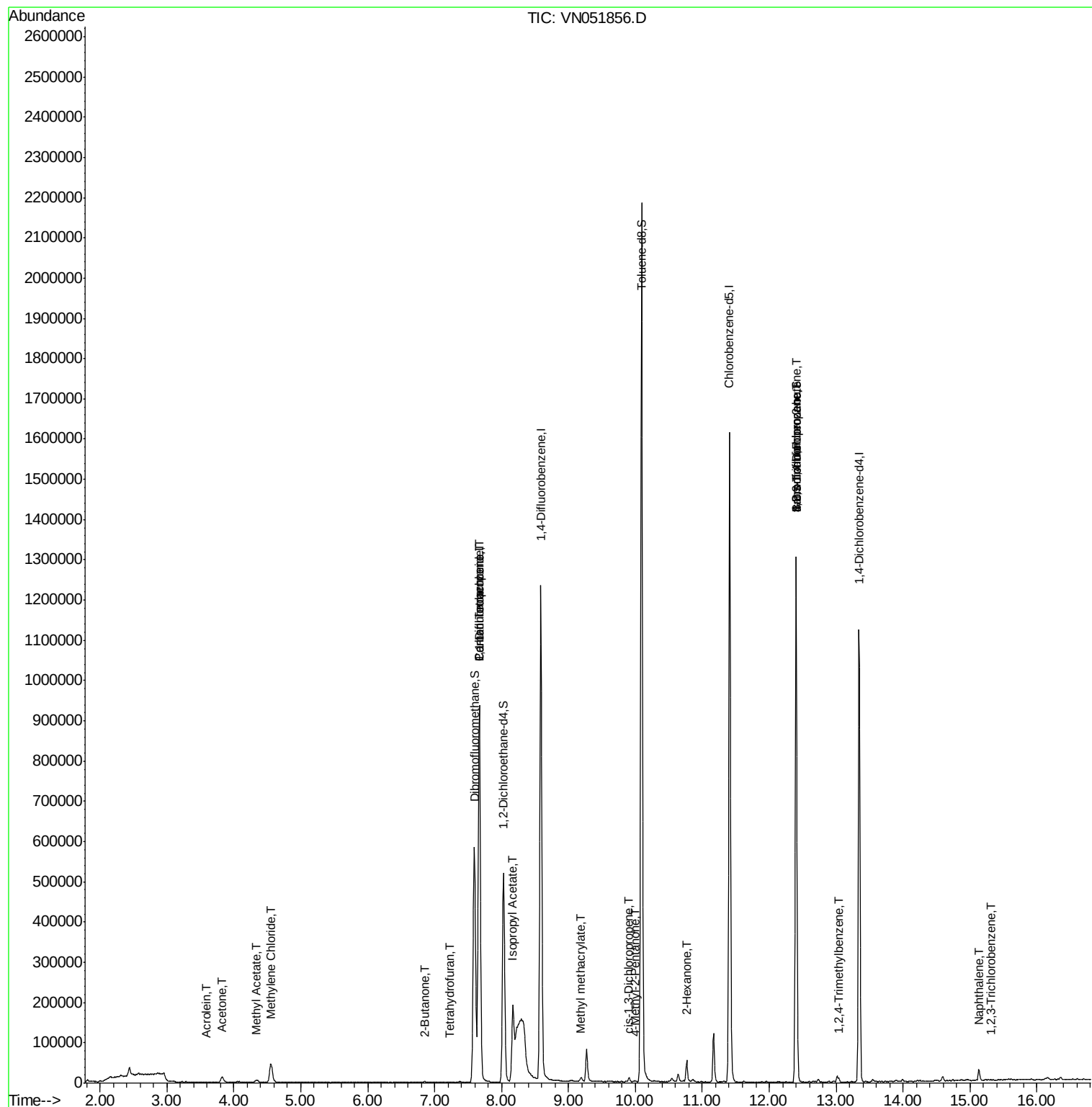
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	31	15.990	ug/l #	14
16) Acetone	3.82	43	22562	13.365	ug/l	97
18) Methyl Acetate	4.33	43	11849	1.624	ug/l	95
20) Methylene Chloride	4.55	84	38337	5.487	ug/l	88
25) 2-Butanone	6.84	43	1651	0.692	ug/l	93
29) Tetrahydrofuran	7.21	42	479	0.337	ug/l #	69
31) Cyclohexane	7.67	56	14529	Below Cal	#	26
36) 1,1-Dichloropropene	7.67	75	52298	5.384	ug/l #	50
38) Carbon Tetrachloride	7.67	117	73070	6.489	ug/l #	16
43) Isopropyl Acetate	8.17	43	225623	22.364	ug/l	95
48) Methyl methacrylate	9.18	41	4536	1.021	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	1763	0.341	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	2453	0.221	ug/l #	69
59) 2-Hexanone	10.77	43	7859	2.161	ug/l #	53
71) Bromoform	12.40	173	3607	4.119	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	222058	54.152	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	222058	153.749	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	4502	0.217	ug/l	98
95) Naphthalene	15.13	128	24417	6.214	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	150	2.883	ug/l #	56

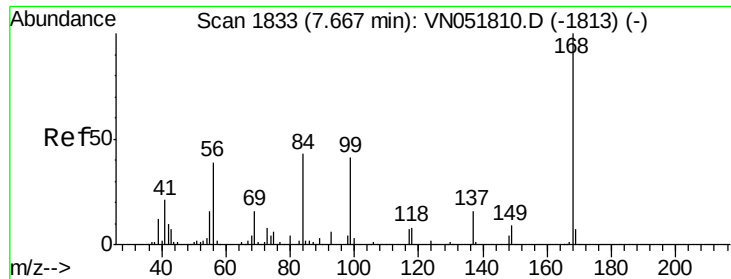
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101218\
Data File : VN051856.D
Acq On : 13 Oct 2018 1:40
Operator : MD\SY
Sample : J5205-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
TR-04-101118

Quant Time: Oct 13 03:52:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:51:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

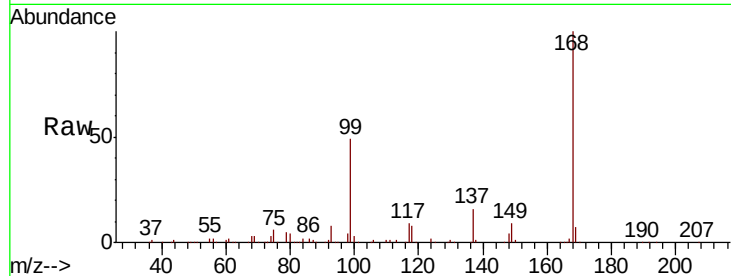
TR-04-101118

Tot Ion:168 Resp: 818970

Ion Ratio Lower Upper

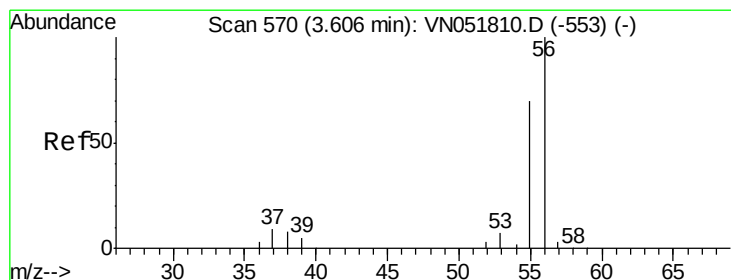
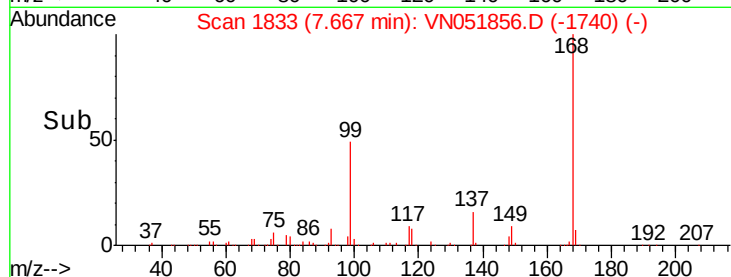
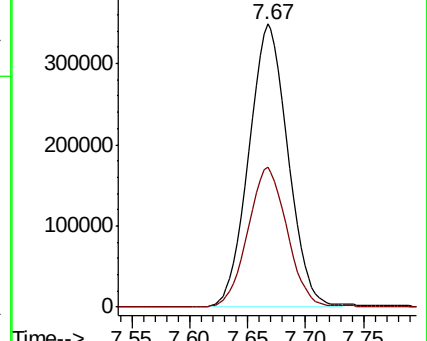
168 100

99 49.3 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)



#13

Acrolein

Concen: 15.990 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN051856.D

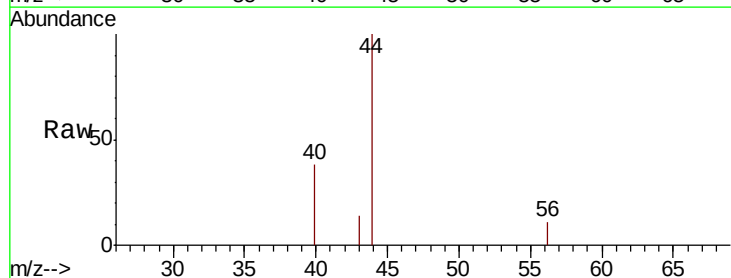
Acq: 13 Oct 2018 1:40

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

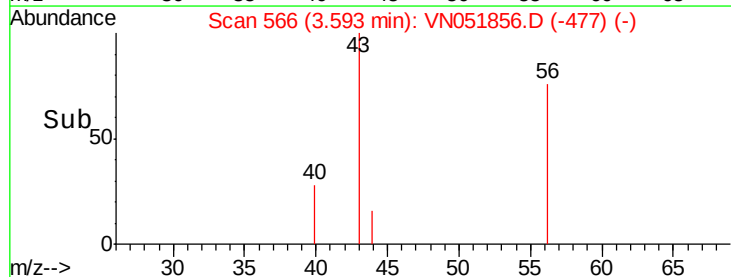
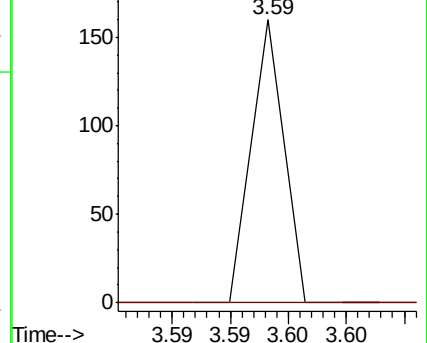
56 100

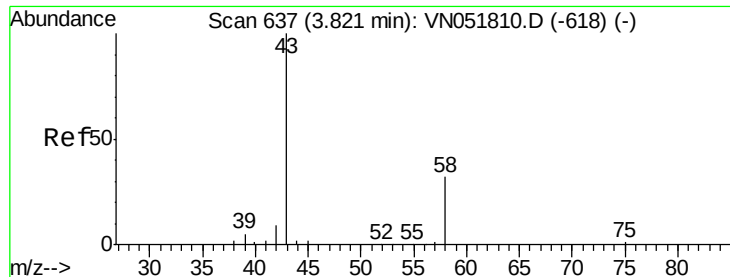
55 0.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN051810.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051810.D (-553) (-)





#16

Acetone

Concen: 13.365 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

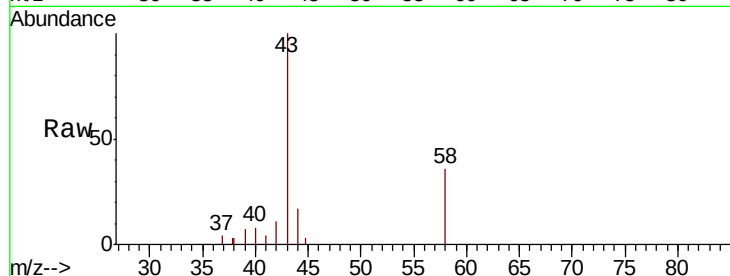
TR-04-101118

Tot Ion: 43 Resp: 22562

Ion Ratio Lower Upper

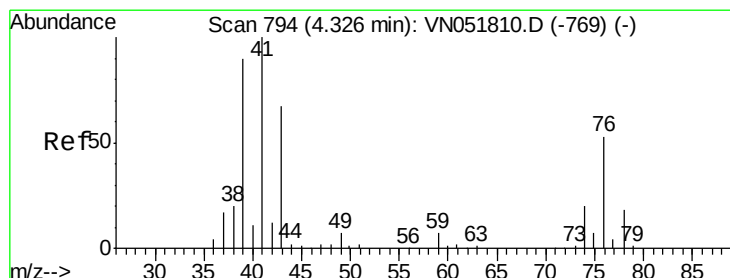
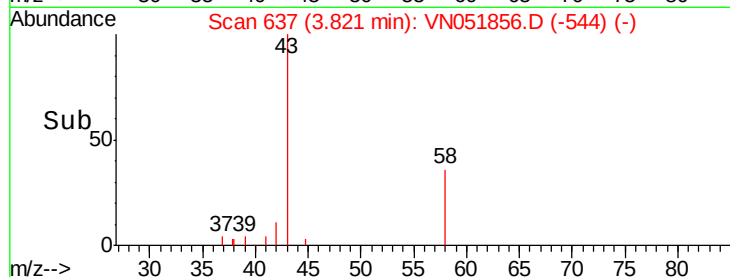
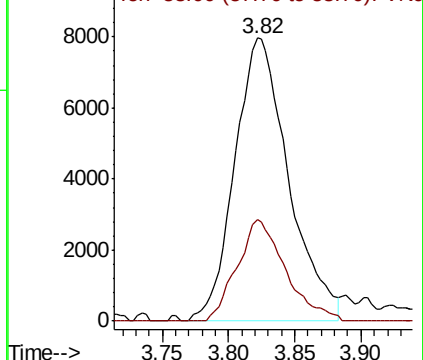
43 100

58 36.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.624 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051856.D

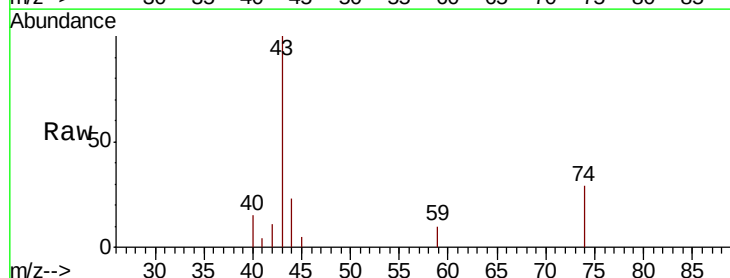
Acq: 13 Oct 2018 1:40

Tgt Ion: 43 Resp: 11849

Ion Ratio Lower Upper

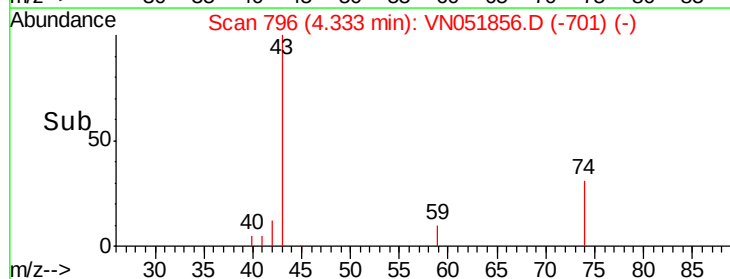
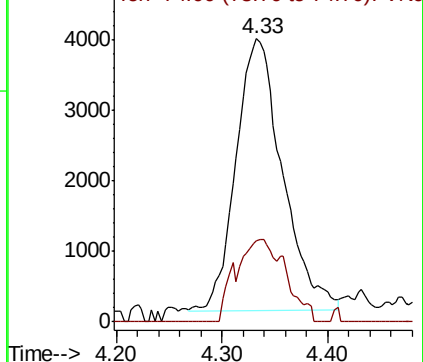
43 100

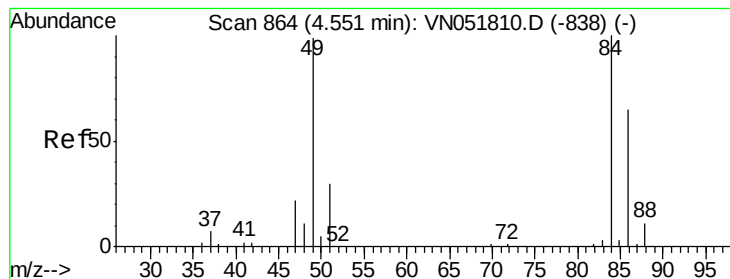
74 27.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 5.487 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

TR-04-101118

Tot Ion: 84 Resp: 38337

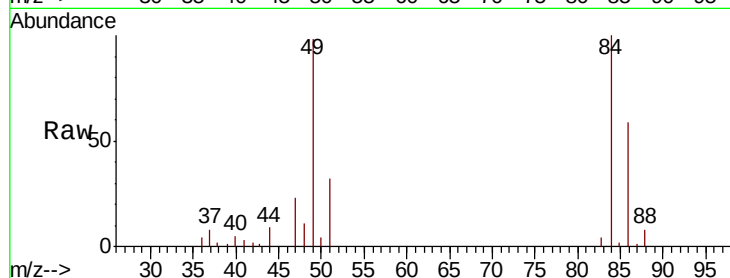
Ion Ratio Lower Upper

84 100

49 98.4 93.2 139.8

51 31.5 29.0 43.6

86 58.9 49.8 74.8

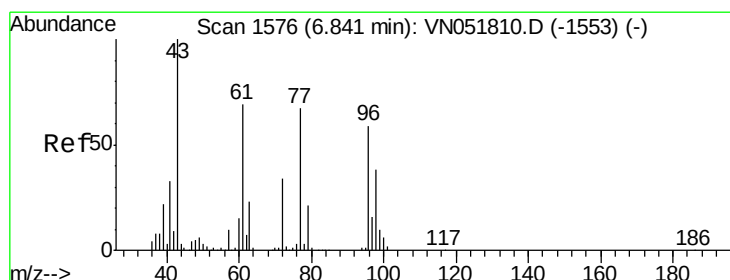
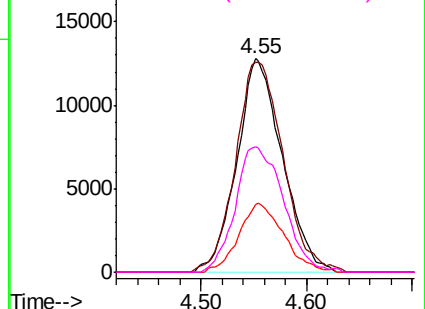
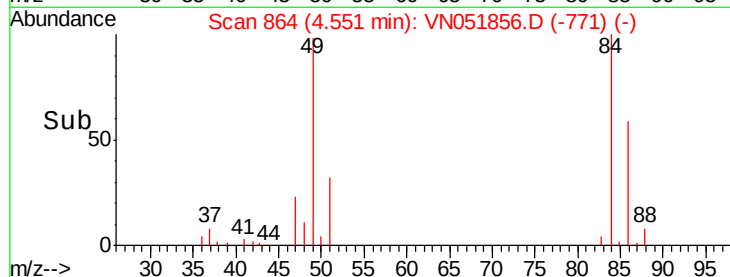


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.692 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051856.D

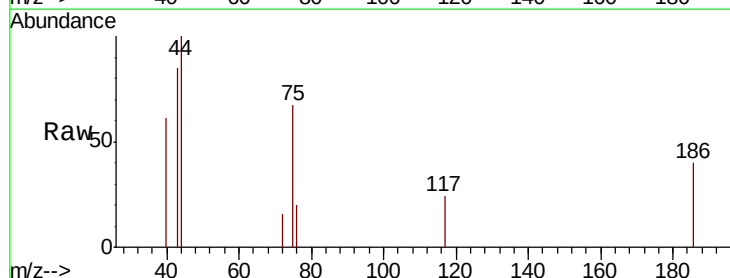
Acq: 13 Oct 2018 1:40

Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

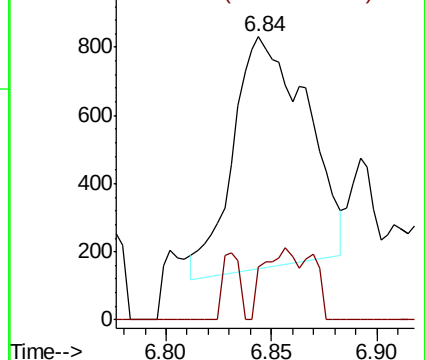
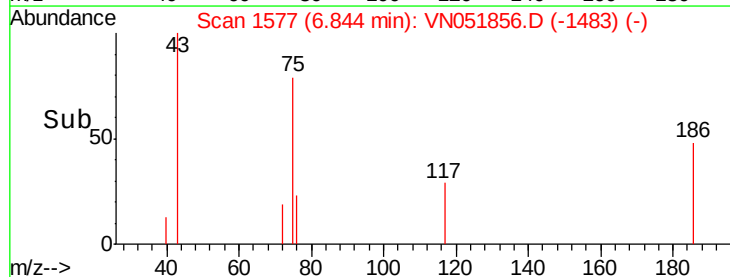
43 100

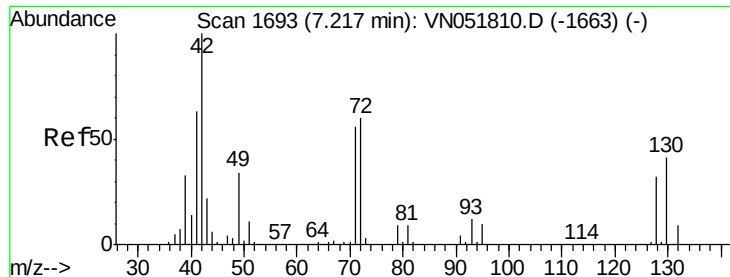
72 24.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

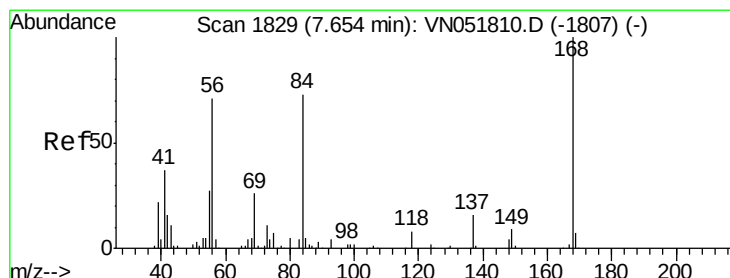
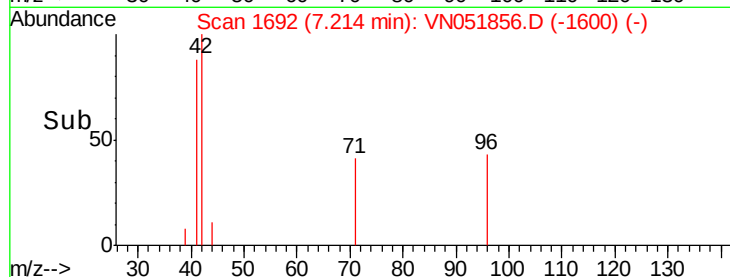
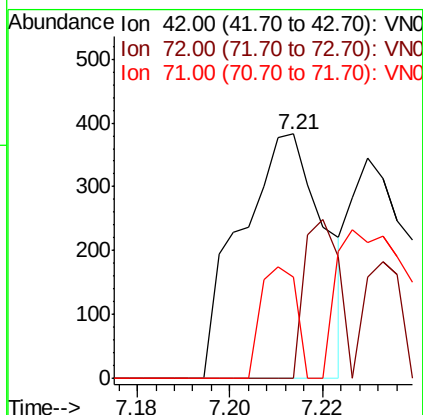
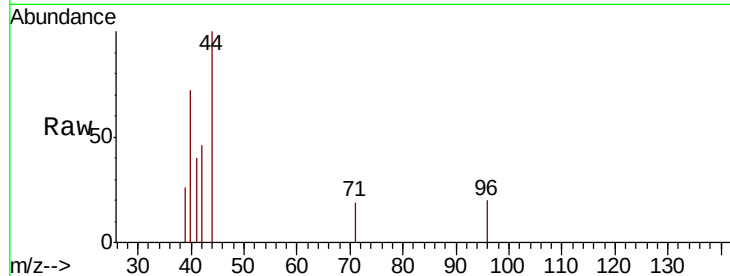




#29
Tetrahydrofuran
Concen: 0.337 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

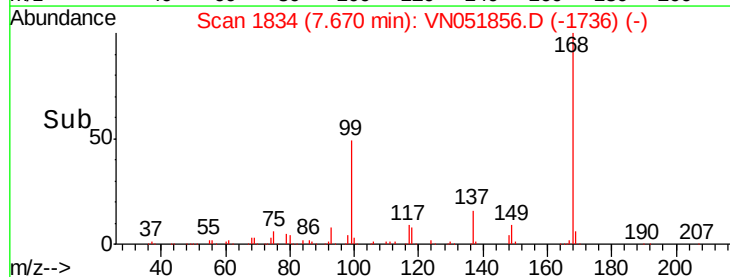
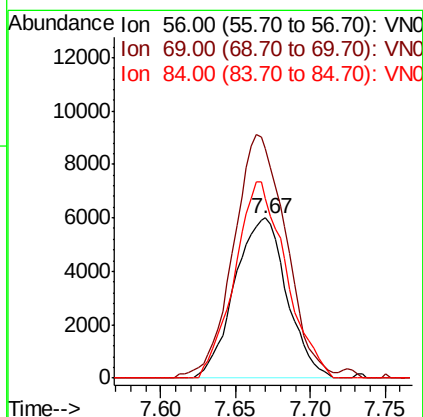
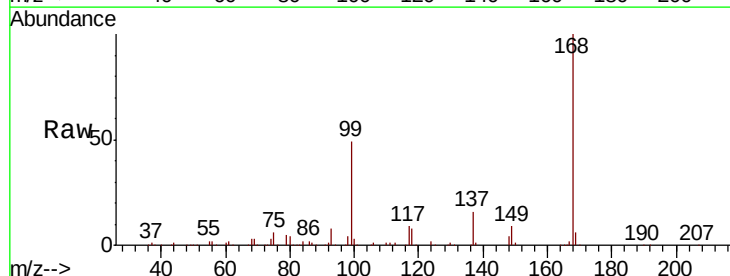
Instrument :
MSVOA_N
ClientSampled :
TR-04-101118

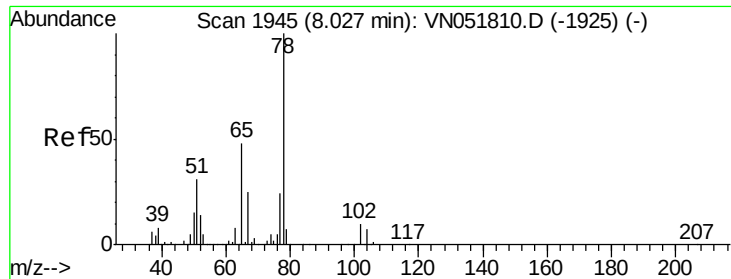
Tot Ion: 42 Resp: 479
Ion Ratio Lower Upper
42 100
72 26.7 35.5 53.3#
71 19.6 33.7 50.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Tgt Ion: 56 Resp: 14529
Ion Ratio Lower Upper
56 100
69 140.0 26.2 39.4#
84 112.1 68.3 102.5#

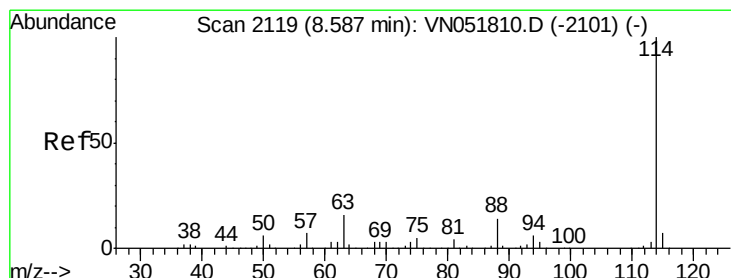
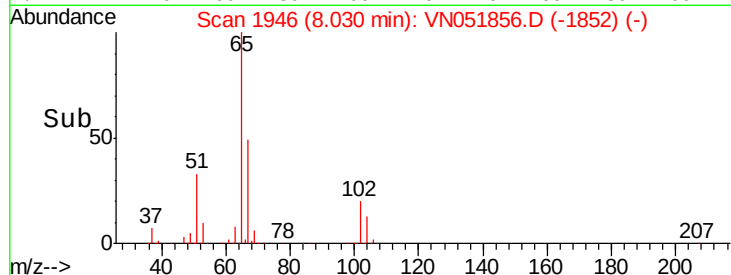
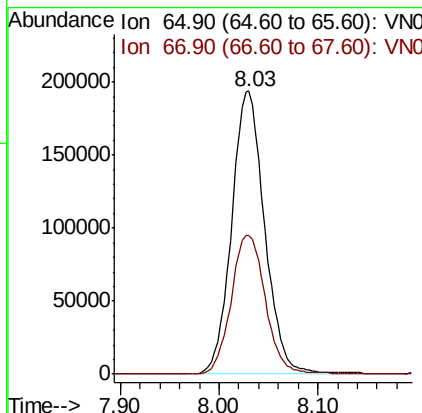
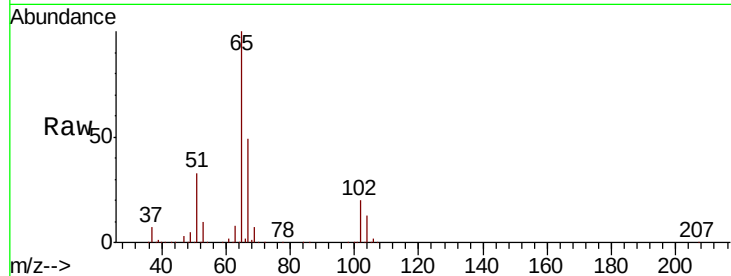




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051856.D
 Acq: 13 Oct 2018 1:40

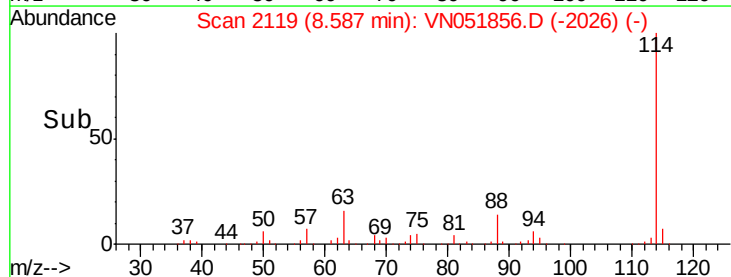
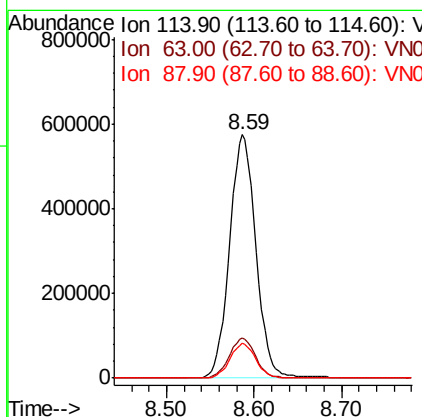
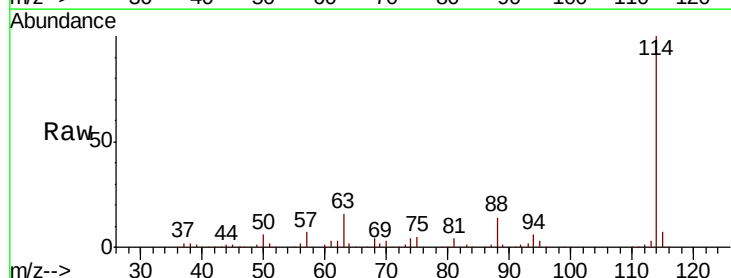
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-101118

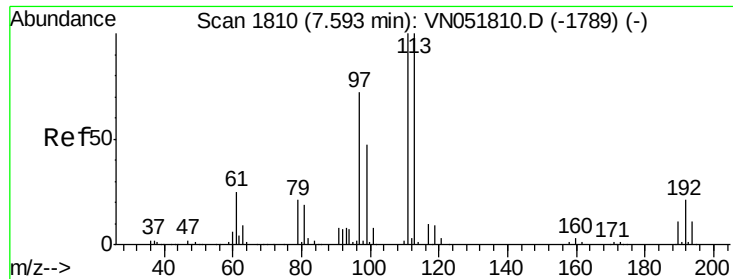
Tot Ion: 65 Resp: 450322
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051856.D
 Acq: 13 Oct 2018 1:40

Tgt Ion: 114 Resp: 1199868
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 38.6
 88 14.3 0.0 30.6

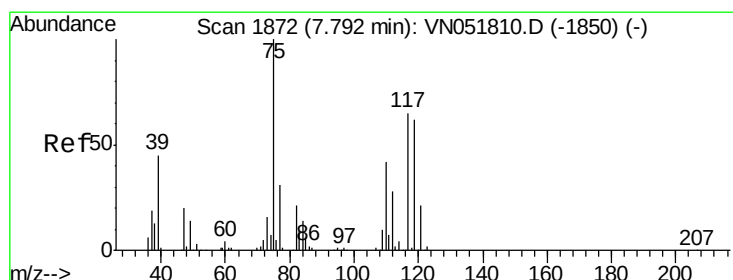
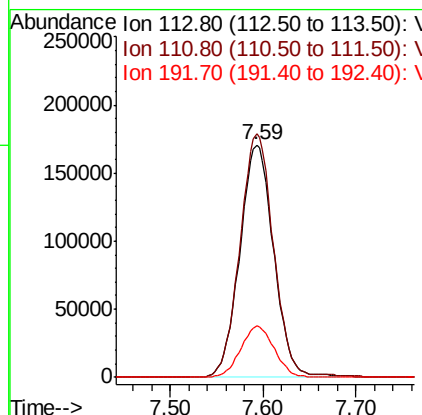
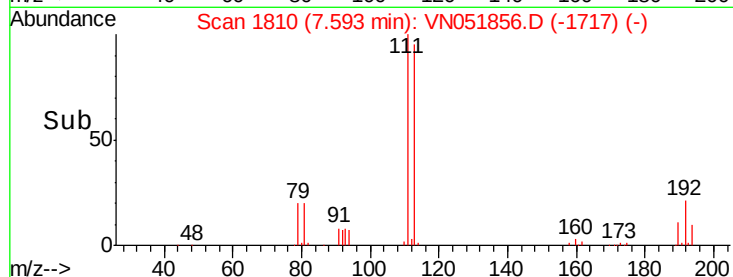
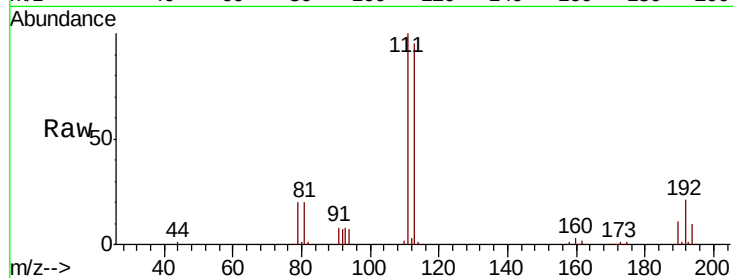




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051856.D
 Acq: 13 Oct 2018 1:40

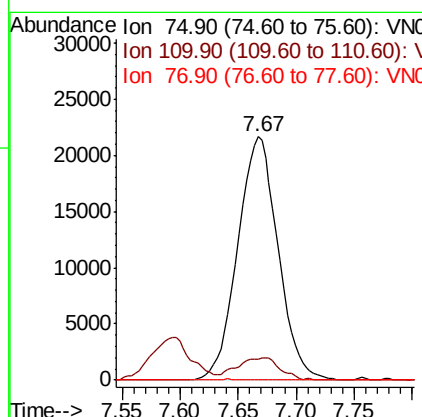
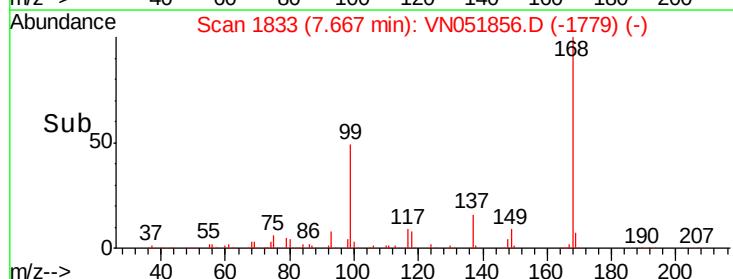
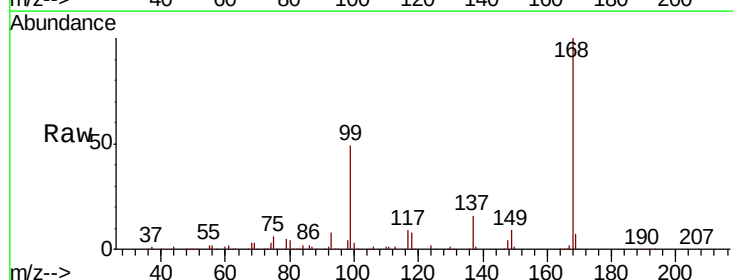
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-101118

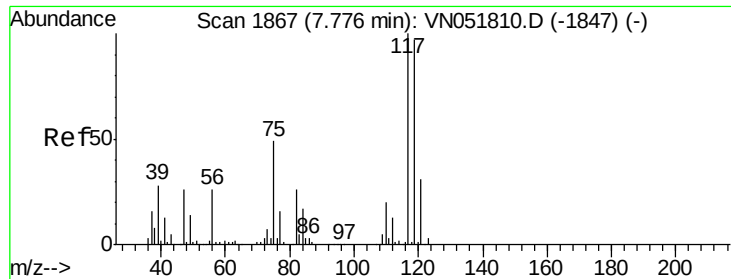
Tot Ion:113 Resp: 433497
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.6 123.8
 192 21.9 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.384 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051856.D
 Acq: 13 Oct 2018 1:40

Tgt Ion: 75 Resp: 52298
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampled :

TR-04-101118

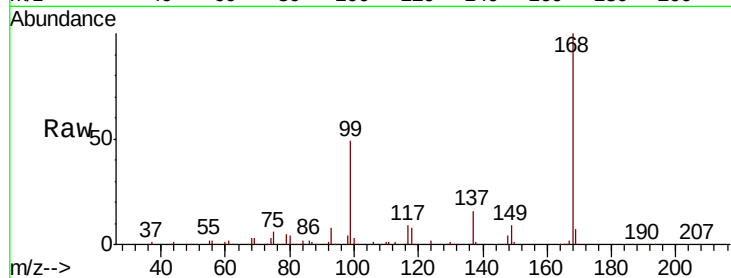
Tot Ion:117 Resp: 73070

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

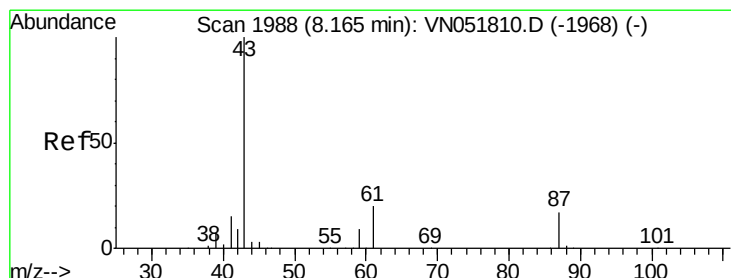
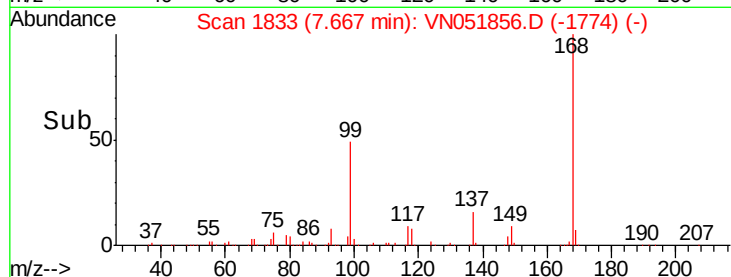
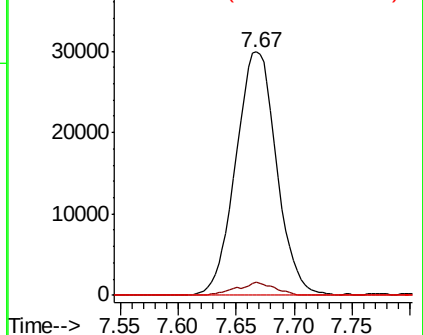
121 0.0 24.6 36.8#



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: 22.364 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

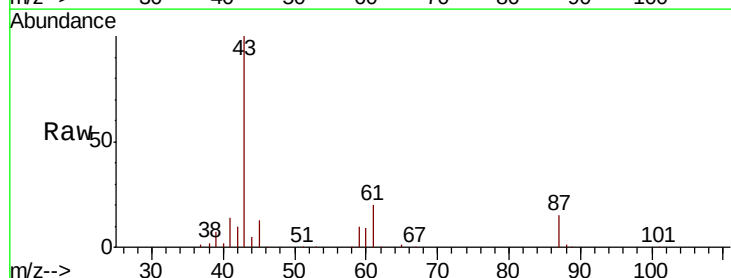
Tgt Ion: 43 Resp: 225623

Ion Ratio Lower Upper

43 100

61 18.1 17.5 26.3

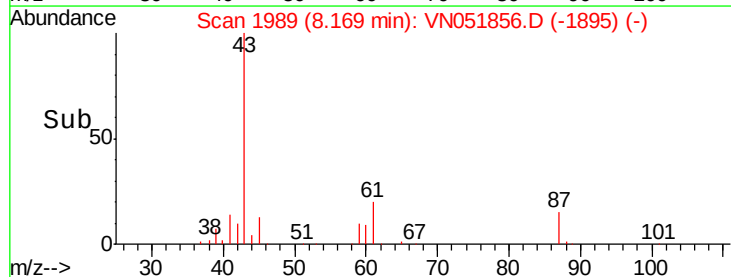
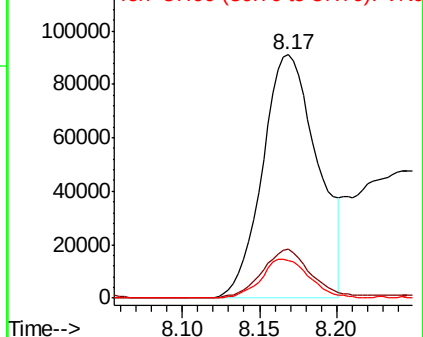
87 14.0 11.3 16.9

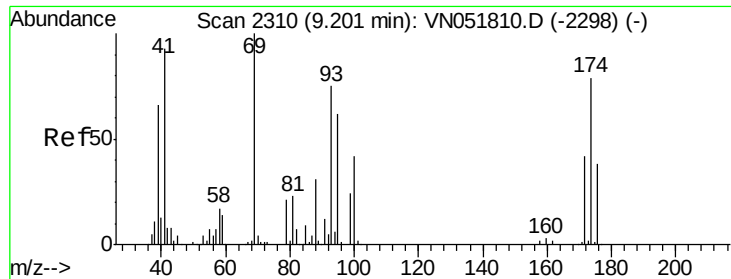


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

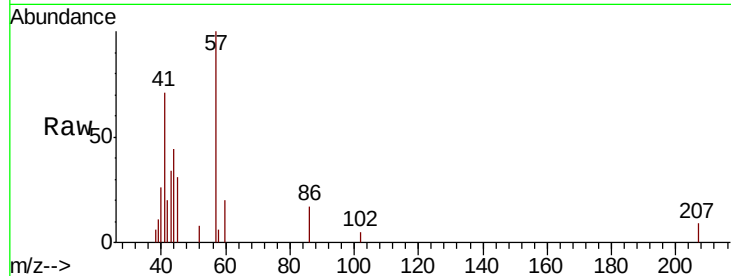




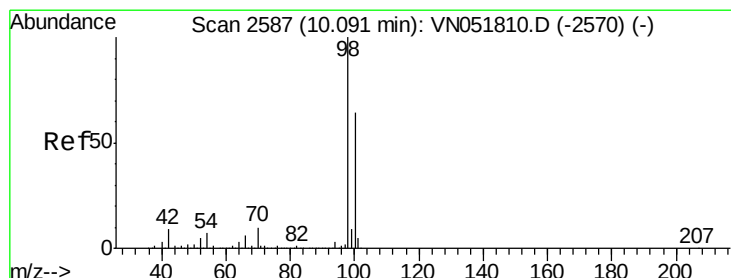
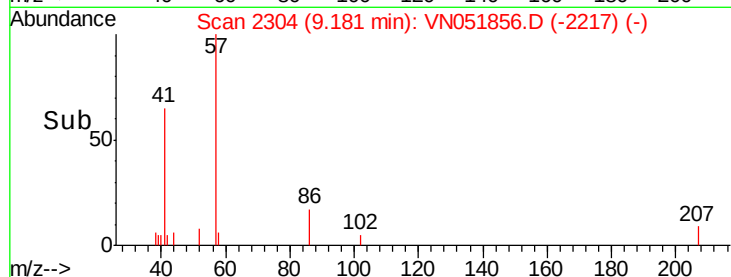
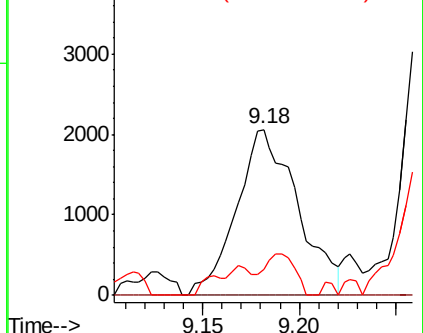
#48
Methvl methacrylate
Concen: 1.021 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
TR-04-101118

Tot Ion: 41 Resp: 4536
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 11.9 42.2 63.2#

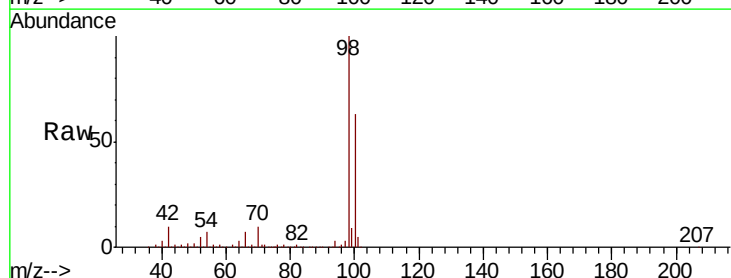


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

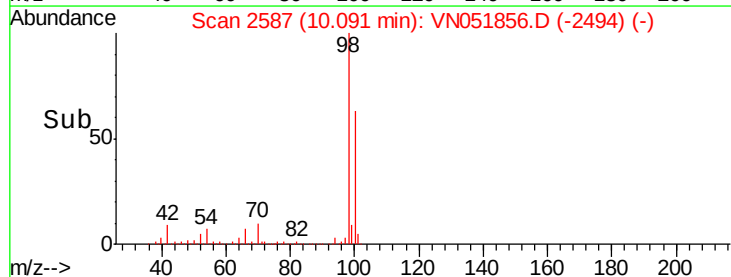
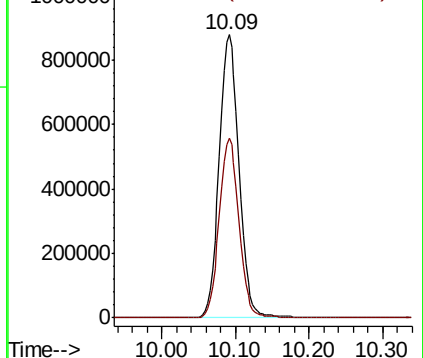


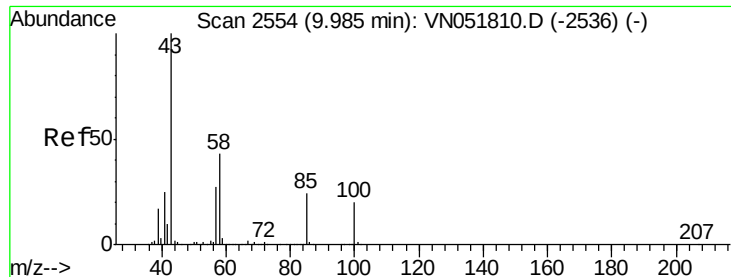
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Tgt Ion: 98 Resp: 1642264
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

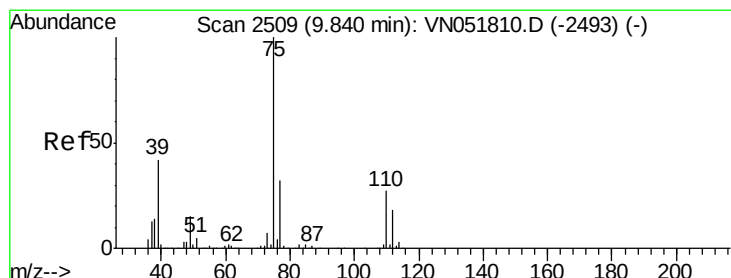
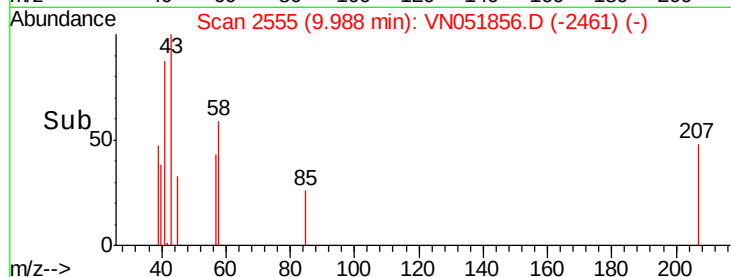
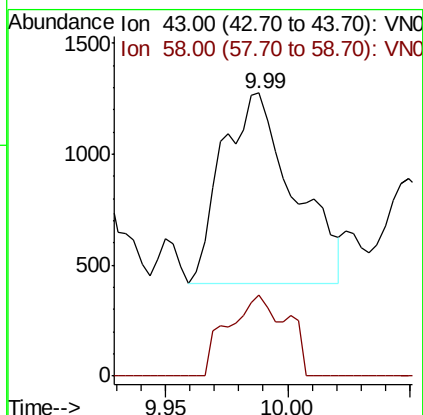
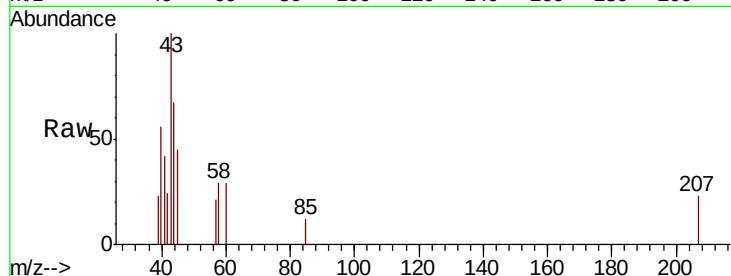




#51
 4-Methyl-2-Pentanone
 Concen: 0.341 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051856.D
 Acq: 13 Oct 2018 1:40

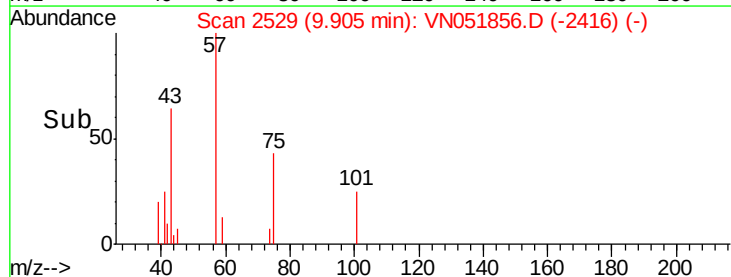
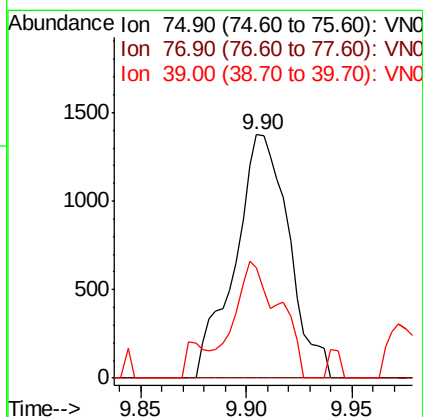
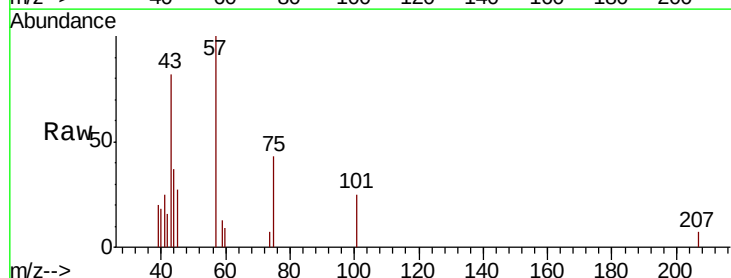
Instrument :
 MSVOA_N
 ClientSampled :
 TR-04-101118

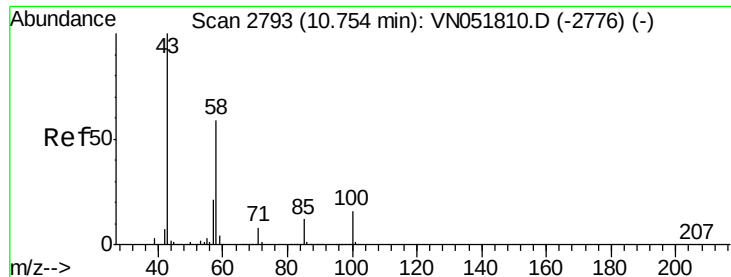
Tot Ion: 43 Resp: 1763
 Ion Ratio Lower Upper
 43 100
 58 34.9 32.4 48.6



#54
 cis-1,3-Dichloropropene
 Concen: 0.221 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN051856.D
 Acq: 13 Oct 2018 1:40

Tgt Ion: 75 Resp: 2453
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 34.3 33.0 49.4





#59

2-Hexanone

Concen: 2.161 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

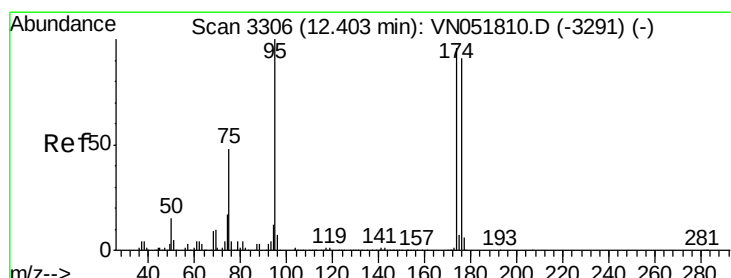
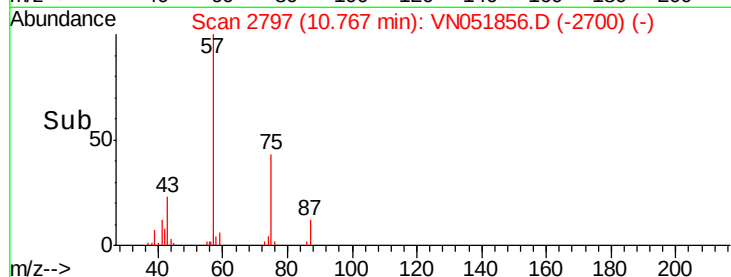
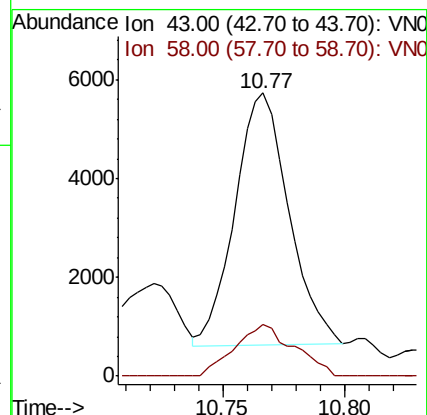
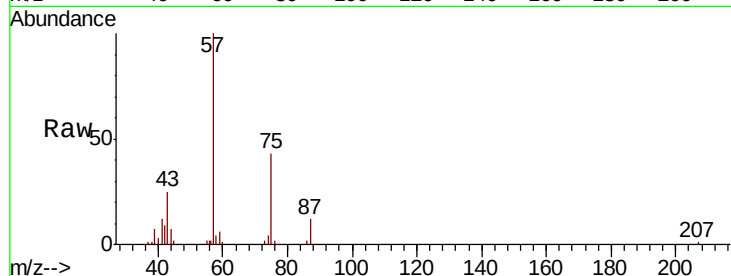
TR-04-101118

Tot Ion: 43 Resp: 7859

Ion Ratio Lower Upper

43 100

58 22.3 28.3 85.0#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

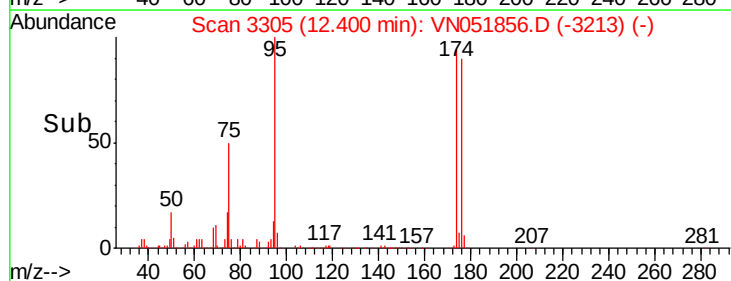
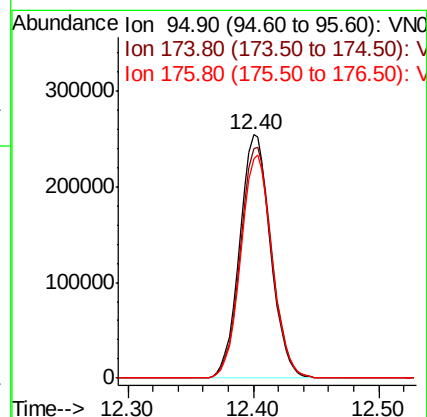
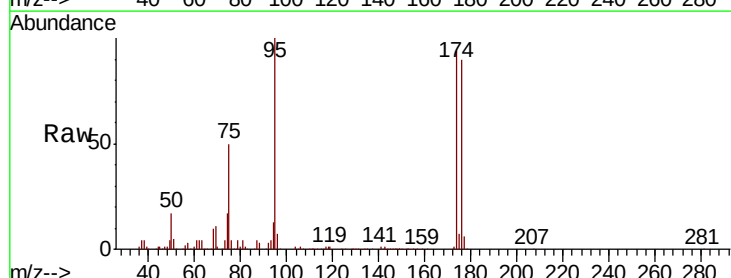
Tgt Ion: 95 Resp: 434634

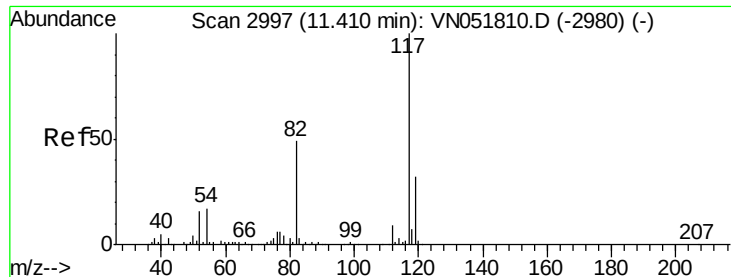
Ion Ratio Lower Upper

95 100

174 96.9 0.0 183.0

176 92.9 0.0 178.8

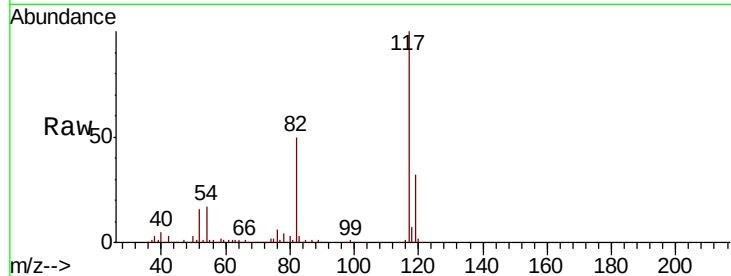




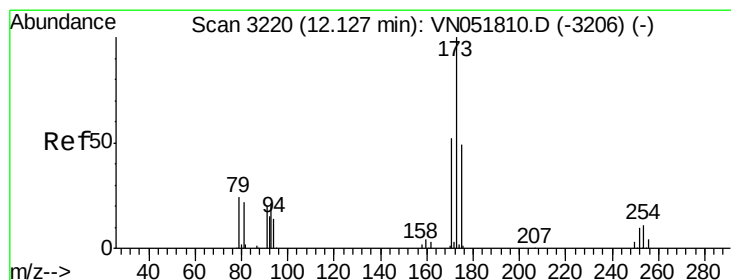
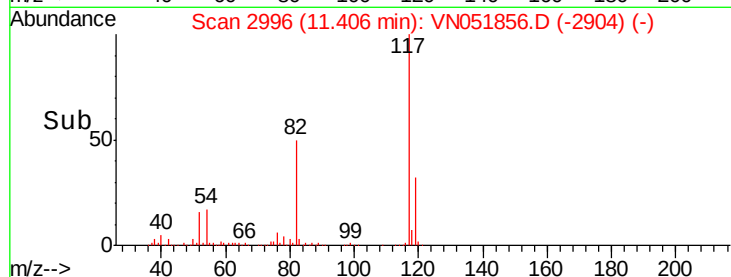
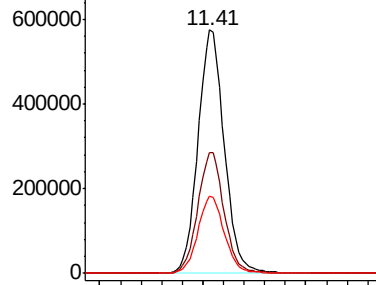
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
TR-04-101118

Tot Ion:117 Resp: 1021676
Ion Ratio Lower Upper
117 100
82 49.6 42.6 64.0
119 31.8 25.8 38.6

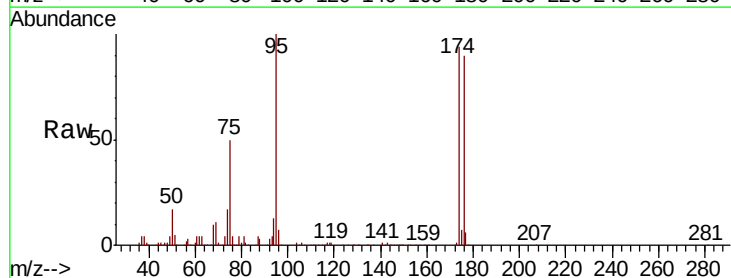


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

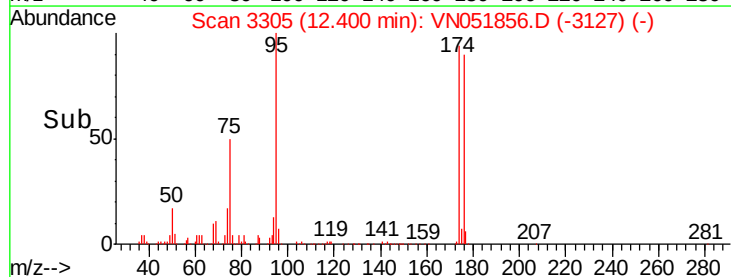
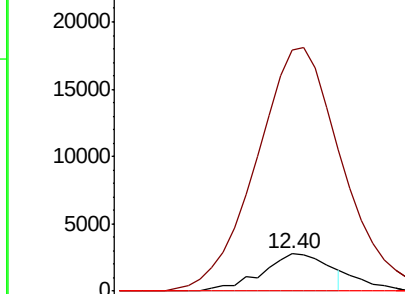


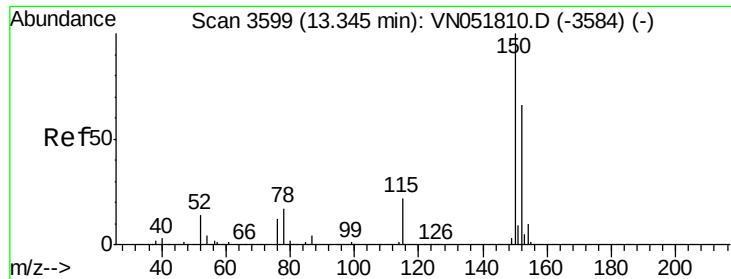
#71
Bromoform
Concen: 4.119 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Tgt Ion:173 Resp: 3607
Ion Ratio Lower Upper
173 100
175 715.5 24.4 73.4#
254 0.0 0.1 0.1#



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



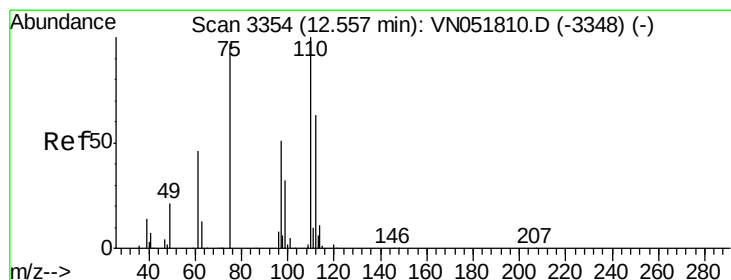
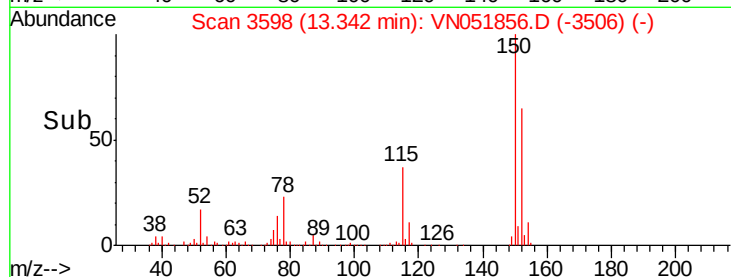
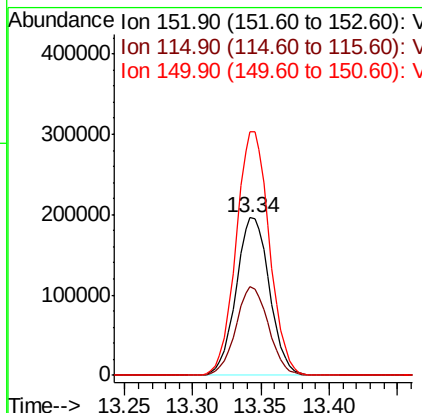
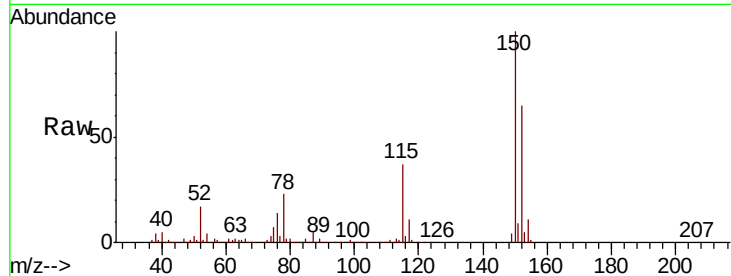


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
TR-04-101118

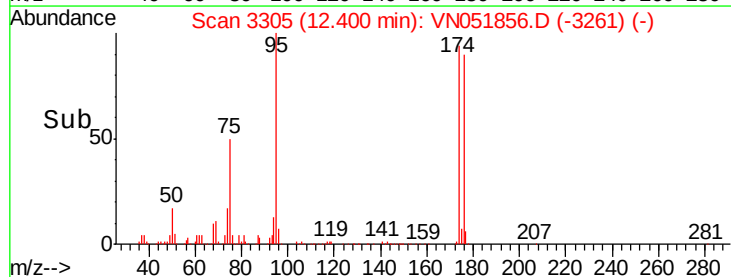
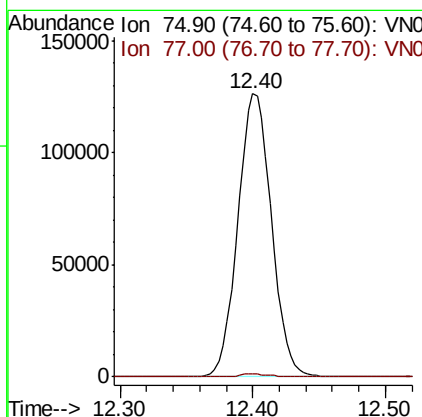
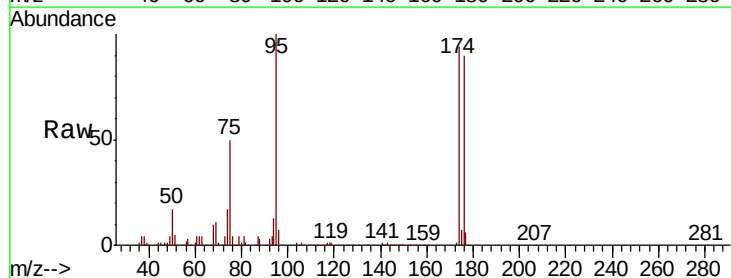
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.8	83.4
150	154.4	0.0	351.4

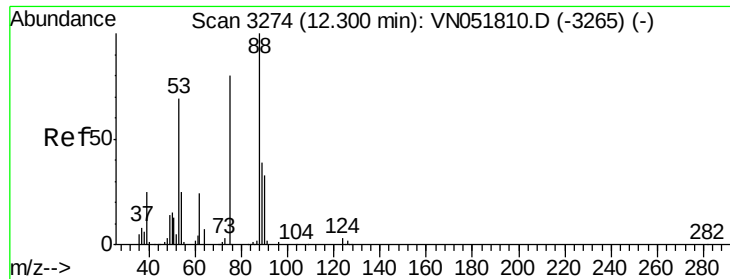


#76

1,2,3-Trichloropropane
Concen: 54.152 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.16 min
Lab File: VN051856.D
Acq: 13 Oct 2018 1:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 153.749 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

TR-04-101118

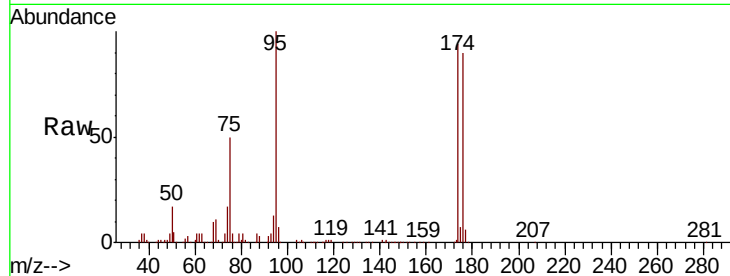
Tot Ion: 75 Resp: 222058

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

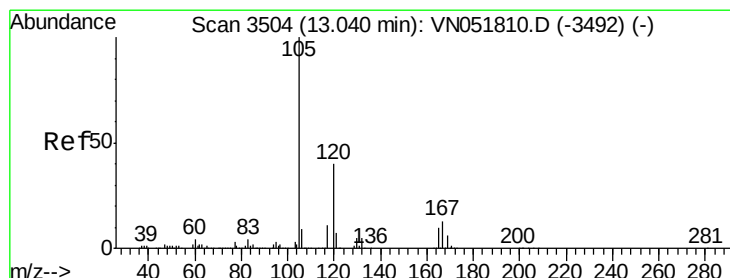
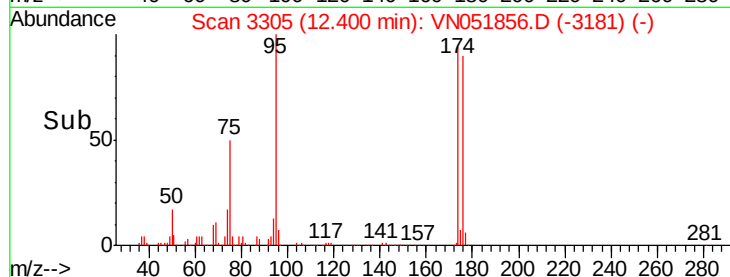
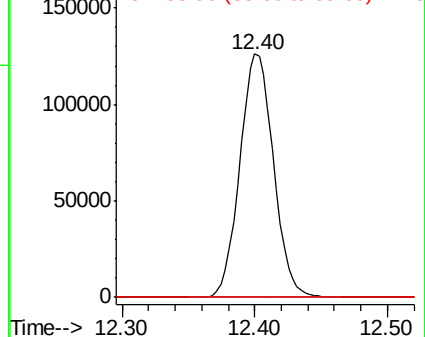
89 0.0 36.1 54.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.217 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN051856.D

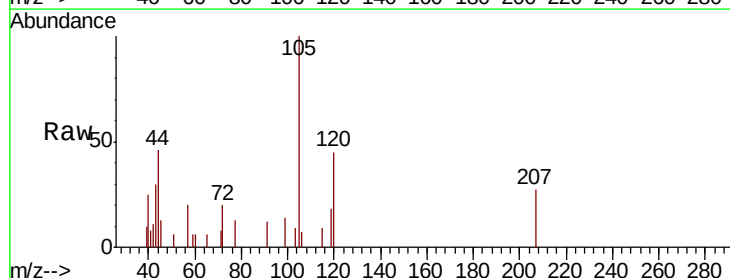
Acq: 13 Oct 2018 1:40

Tgt Ion: 105 Resp: 4502

Ion Ratio Lower Upper

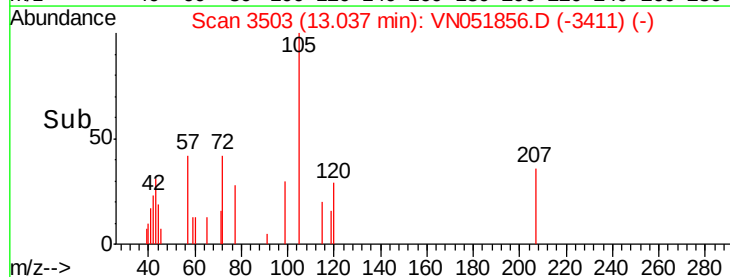
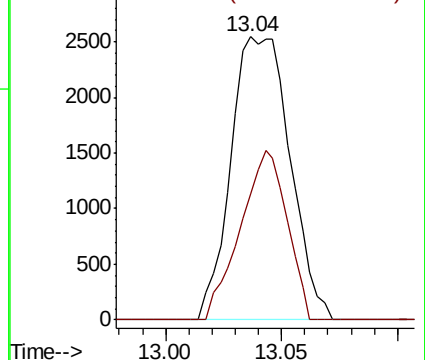
105 100

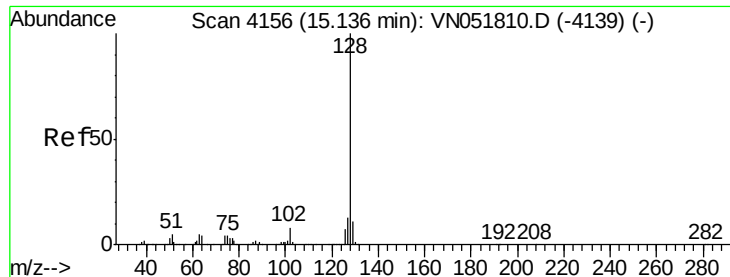
120 47.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 6.214 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

TR-04-101118

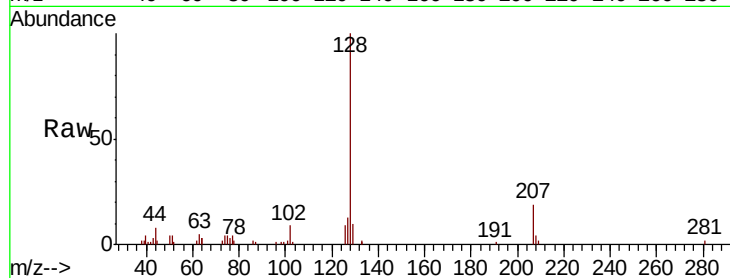
Tot Ion:128 Resp: 24417

Ion Ratio Lower Upper

128 100

127 11.0 10.5 15.7

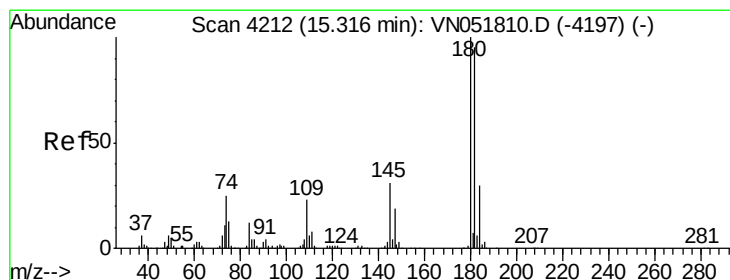
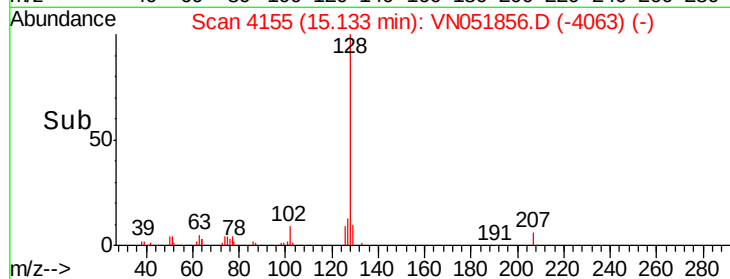
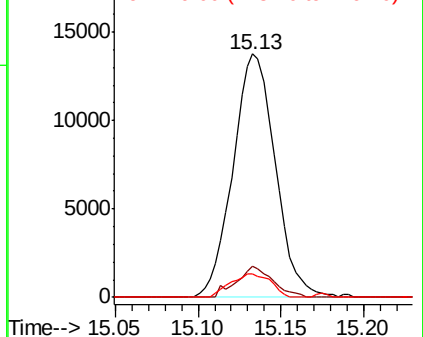
129 9.3 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 2.883 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051856.D

Acq: 13 Oct 2018 1:40

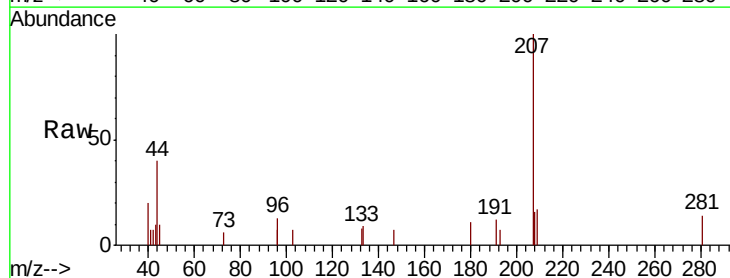
Tgt Ion:180 Resp: 150

Ion Ratio Lower Upper

180 100

182 44.7 48.0 144.2#

145 20.7 15.2 45.6



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

