

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051798.D
 Acq On : 10 Oct 2018 18:13
 Operator : MD\SY
 Sample : PB113684ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113684ZHE#09

Quant Time: Oct 11 01:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	786964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1143916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1010648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	374787	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	460510	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	
35) Dibromofluoromethane	7.59	113	419998	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	10.09	98	1616026	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	464455	39.77	ug/l	0.00
Spiked Amount			Recovery	=	79.54%	

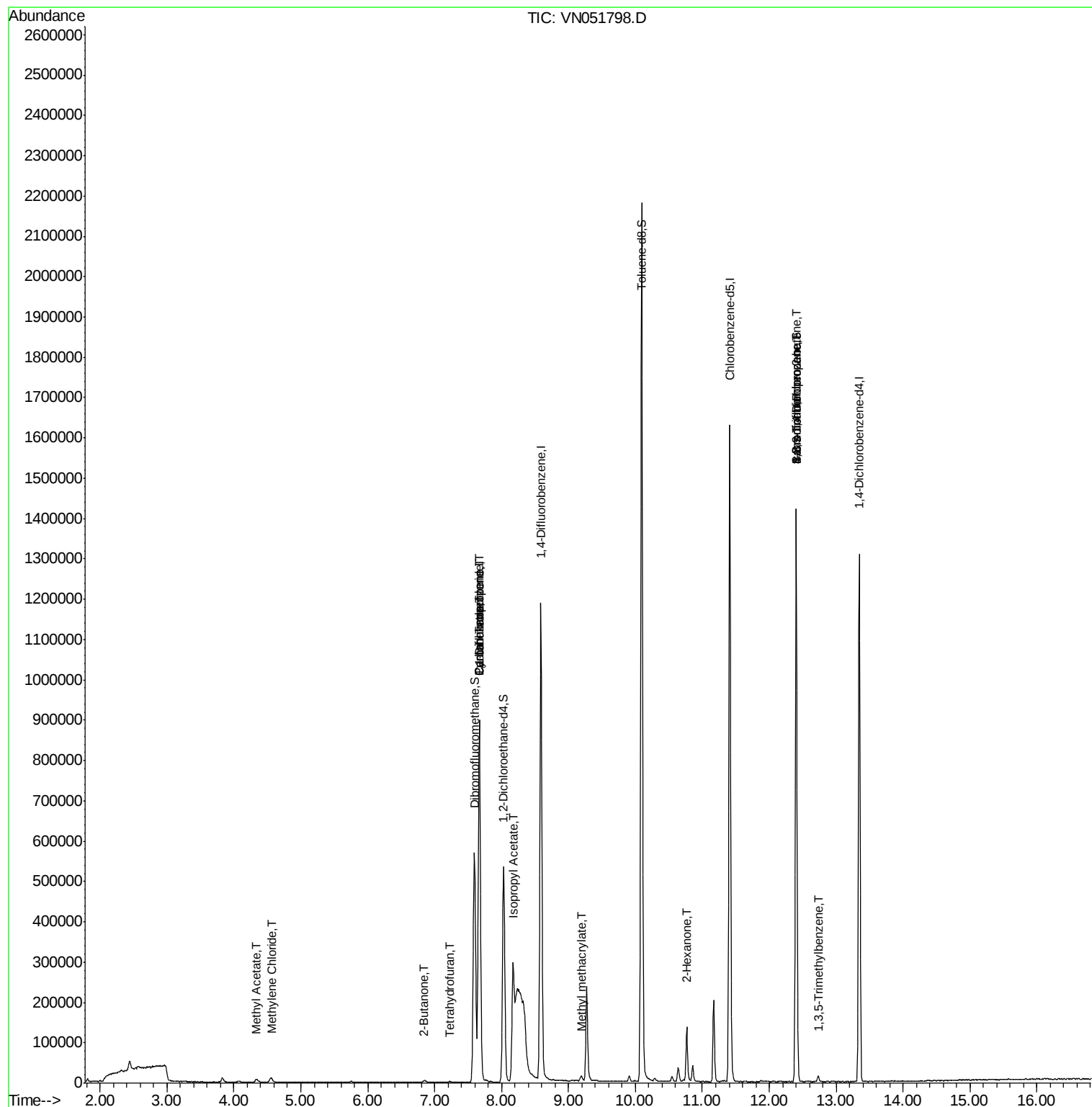
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	2.92	101	32	Below Cal	#	18
13) Acrolein	3.62	56	30	Below Cal	#	14
16) Acetone	3.83	43	15687	Below Cal		97
18) Methyl Acetate	4.34	43	12730	2.218	ug/l #	72
20) Methylene Chloride	4.56	84	8448	0.988	ug/l	96
25) 2-Butanone	6.84	43	1148	0.382	ug/l #	85
29) Tetrahydrofuran	7.22	42	1041	0.565	ug/l #	71
31) Cyclohexane	7.67	56	14172	1.004	ug/l #	37
36) 1,1-Dichloropropene	7.67	75	51715	4.325	ug/l #	49
38) Carbon Tetrachloride	7.67	117	71902	5.012	ug/l #	16
41) Methacrylonitrile	7.18	41	214	Below Cal	#	13
43) Isopropyl Acetate	8.17	43	389663	29.970	ug/l #	92
48) Methyl methacrylate	9.18	41	6394	1.076	ug/l #	18
59) 2-Hexanone	10.77	43	18956	4.237	ug/l #	51
71) Bromoform	12.40	173	3680	0.494	ug/l #	1
74) N-amyl acetate	12.08	43	131	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.58	83	32	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	238113	51.233	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5527	0.205	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.40	75	238113	116.786	ug/l #	14

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101018\
Data File : VN051798.D
Acq On : 10 Oct 2018 18:13
Operator : MD\SY
Sample : PB113684ZHE#09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

Quant Time: Oct 11 01:59:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051798.D

Acq: 10 Oct 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

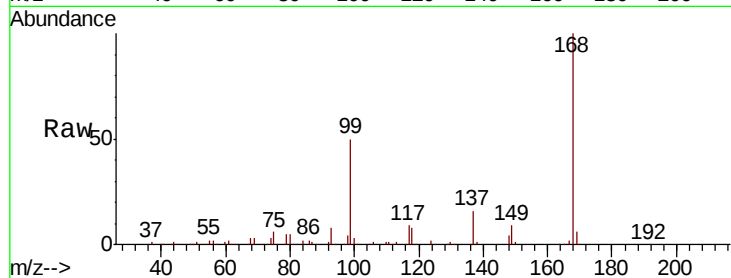
PB113684ZHE#09

Tot Ion:168 Resp: 786964

Ion Ratio Lower Upper

168 100

99 49.5 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

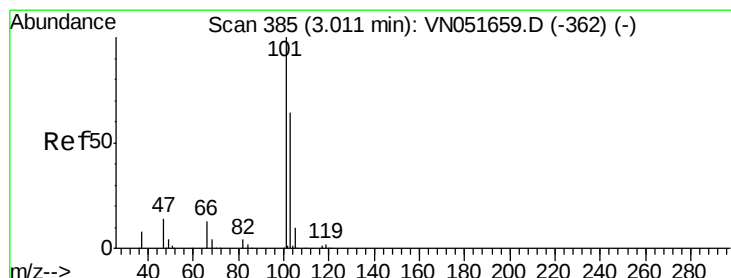
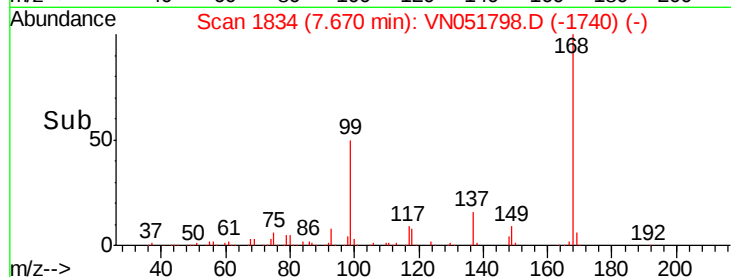
300000

200000

100000

0

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.92 min Scan# 357

Delta R.T. -0.09 min

Lab File: VN051798.D

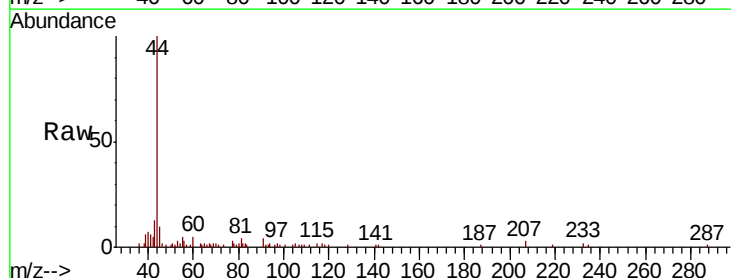
Acq: 10 Oct 2018 18:13

Tgt Ion:101 Resp: 32

Ion Ratio Lower Upper

101 100

103 0.0 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.92

300

250

200

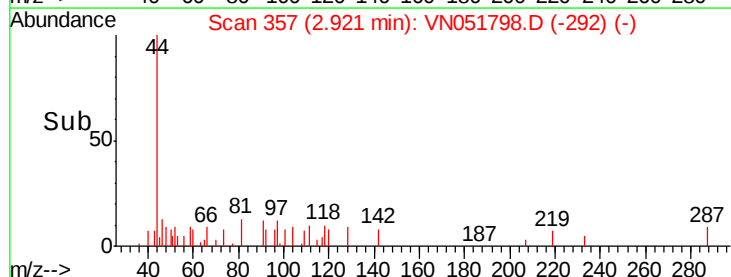
150

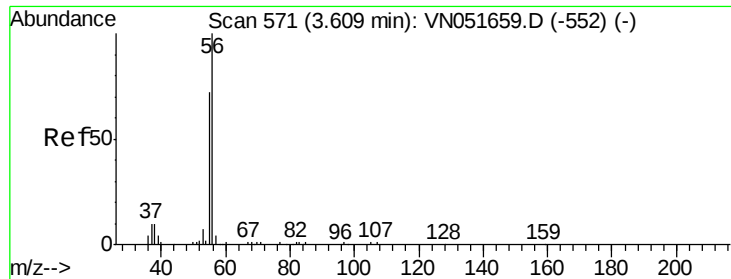
100

50

0

Time-->

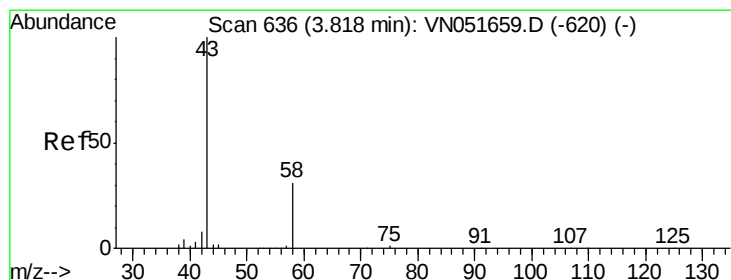
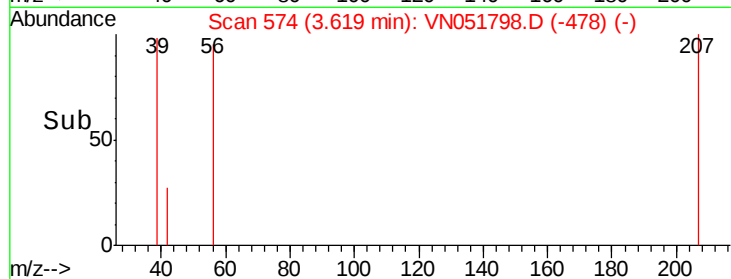
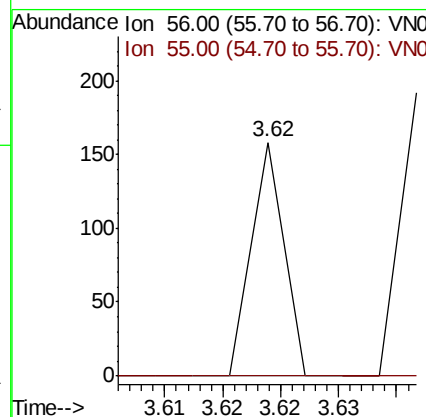
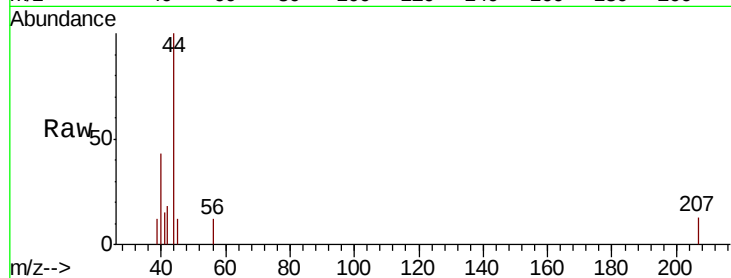




#13
Acrolein
Concen: Below Cal
RT: 3.62 min Scan# 574
Delta R.T. 0.01 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

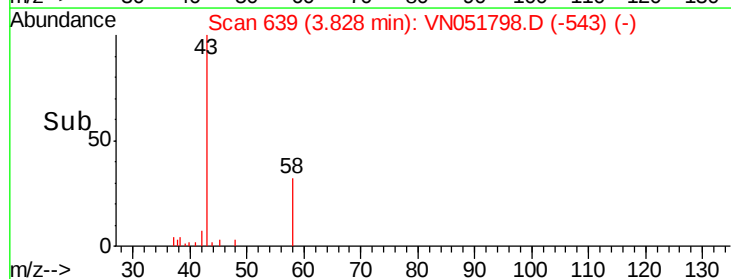
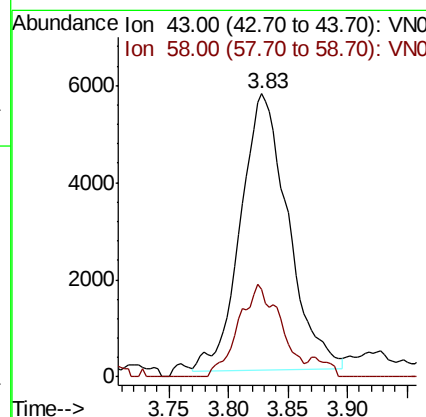
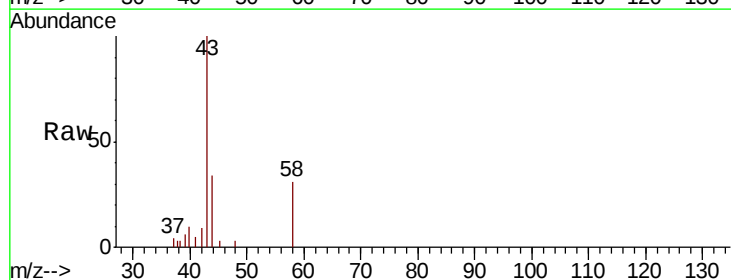
Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

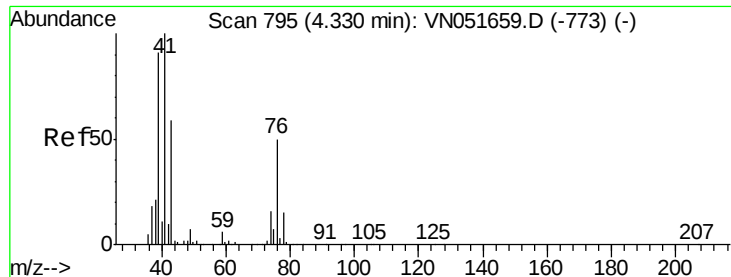
Tot Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 0.0 57.5 86.3#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion: 43 Resp: 15687
Ion Ratio Lower Upper
43 100
58 31.8 24.3 36.5

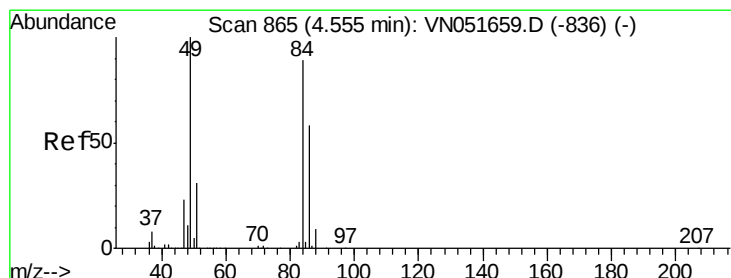
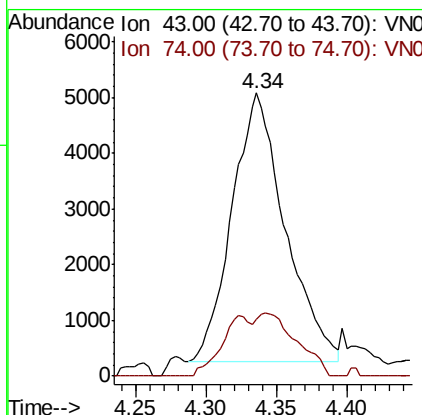
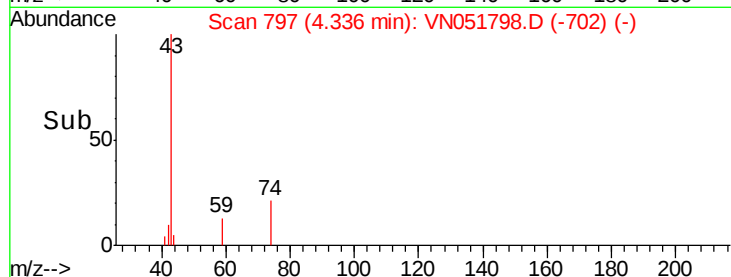
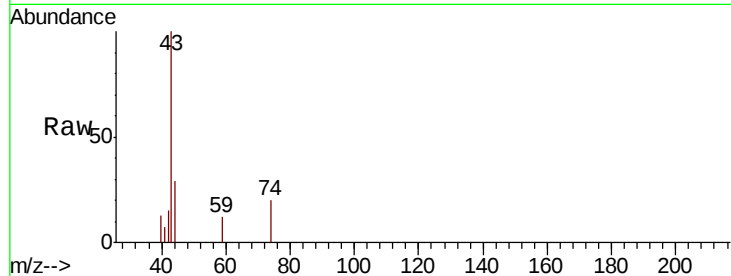




#18
Methyl Acetate
Concen: 2.218 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

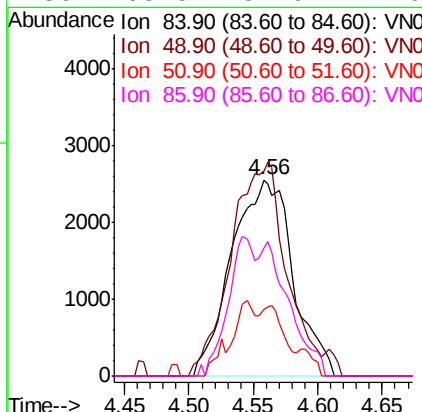
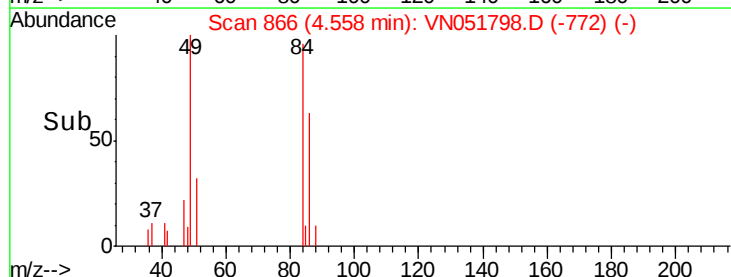
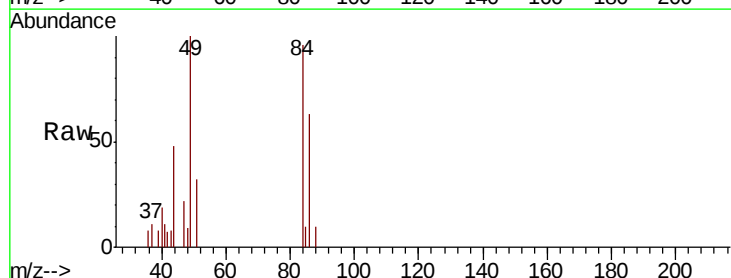
Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

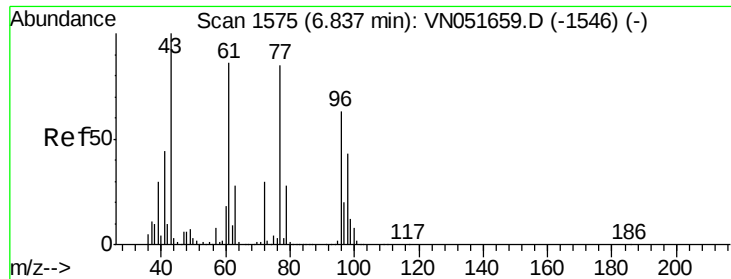
Tot Ion: 43 Resp: 12730
Ion Ratio Lower Upper
43 100
74 12.7 21.5 32.3#



#20
Methylene Chloride
Concen: 0.988 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion: 84 Resp: 8448
Ion Ratio Lower Upper
84 100
49 104.2 89.5 134.3
51 33.8 27.4 41.0
86 65.5 51.9 77.9

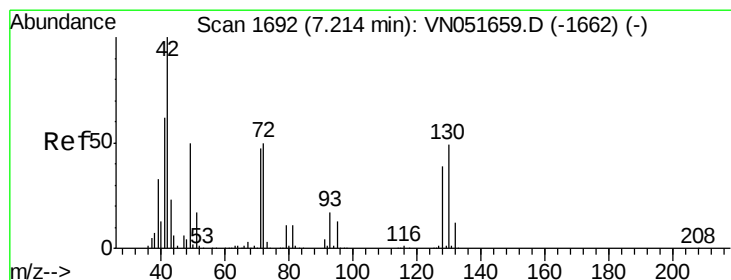
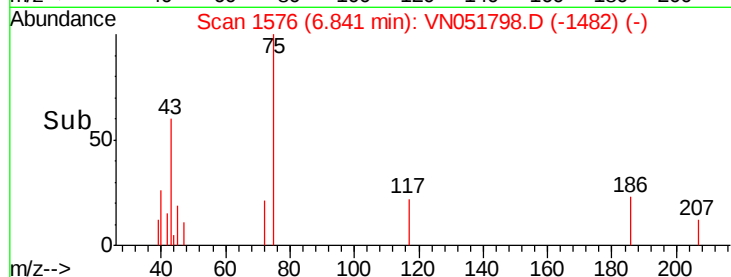
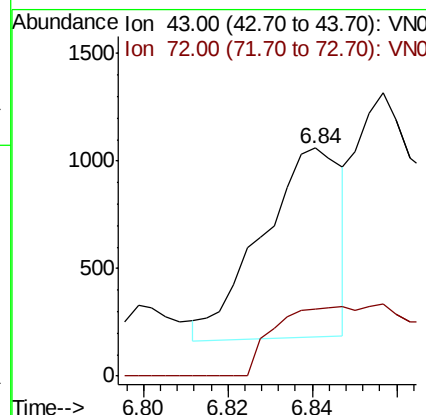
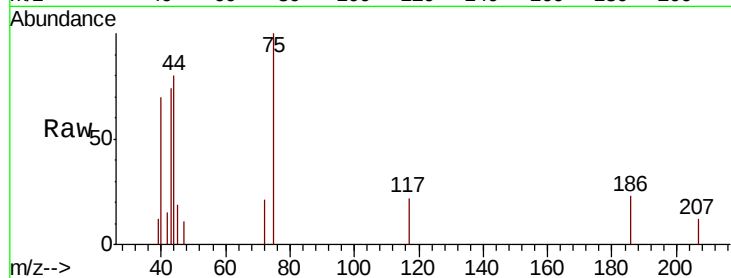




#25
2-Butanone
Concen: 0.382 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

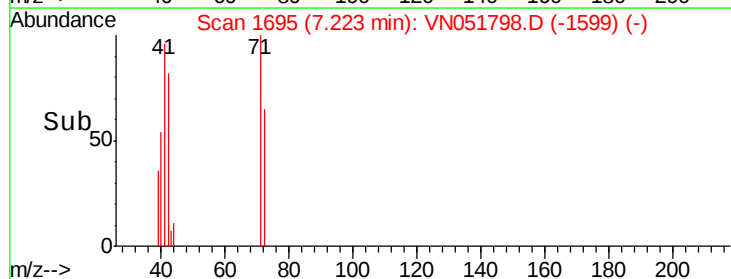
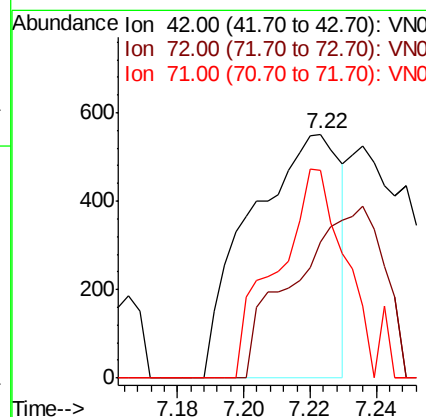
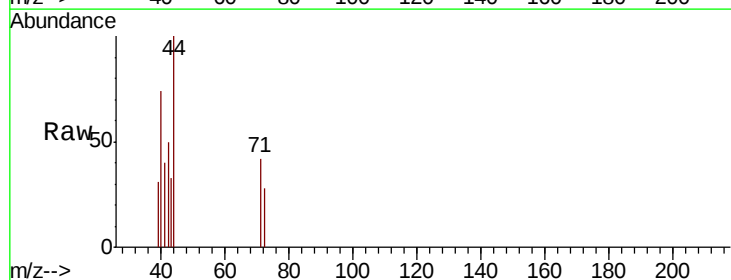
Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

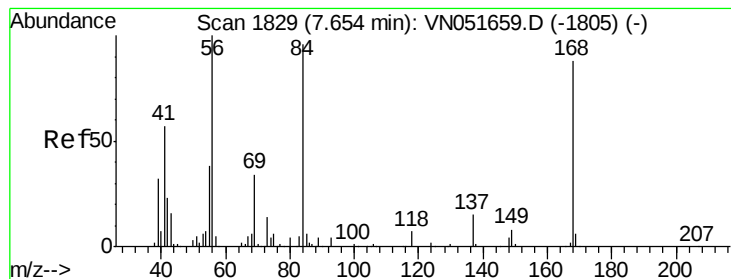
Tot Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
72 38.6 24.2 36.2#



#29
Tetrahydrofuran
Concen: 0.565 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion: 42 Resp: 1041
Ion Ratio Lower Upper
42 100
72 69.7 40.1 60.1#
71 67.4 38.0 57.0#





#31

Cyclohexane

Concen: 1.004 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051798.D

Acq: 10 Oct 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

PB113684ZHE#09

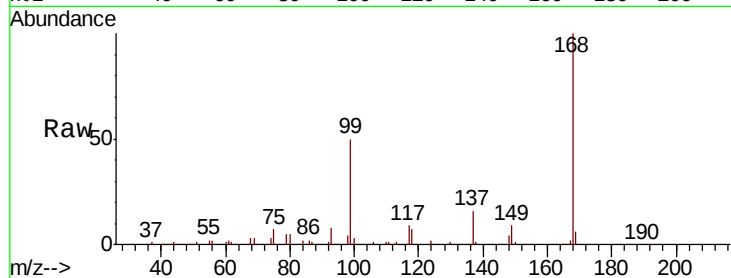
Tot Ion: 56 Resp: 14172

Ion Ratio Lower Upper

56 100

69 148.1 27.5 41.3#

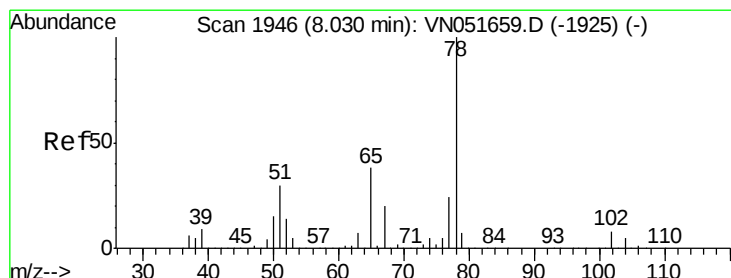
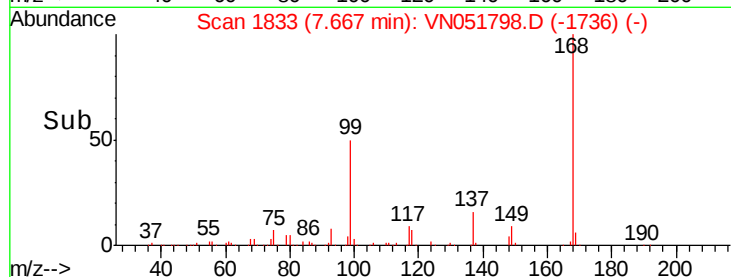
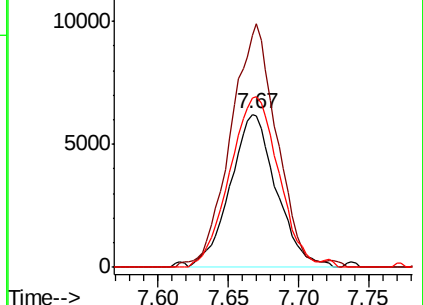
84 110.2 76.7 115.1



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051798.D

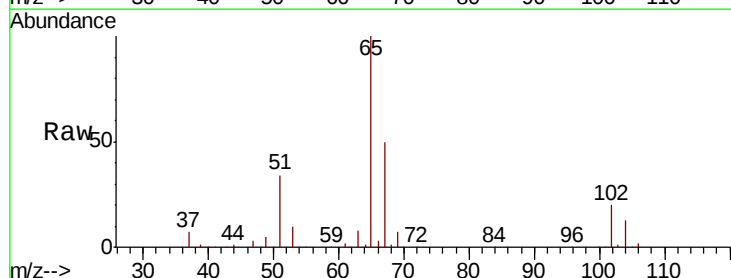
Acq: 10 Oct 2018 18:13

Tgt Ion: 65 Resp: 460510

Ion Ratio Lower Upper

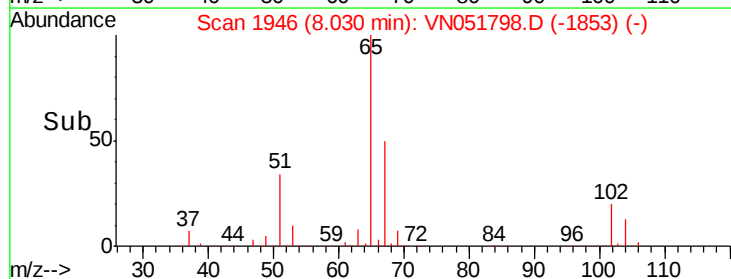
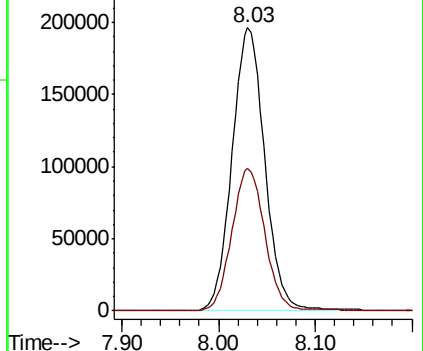
65 100

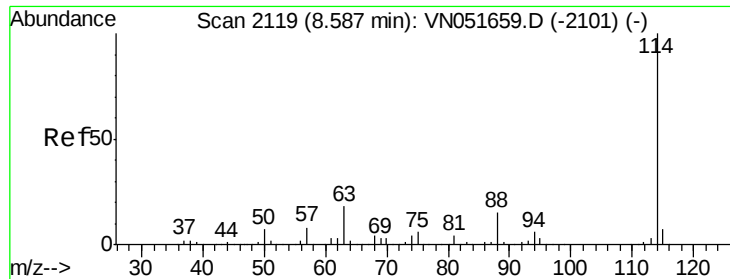
67 50.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

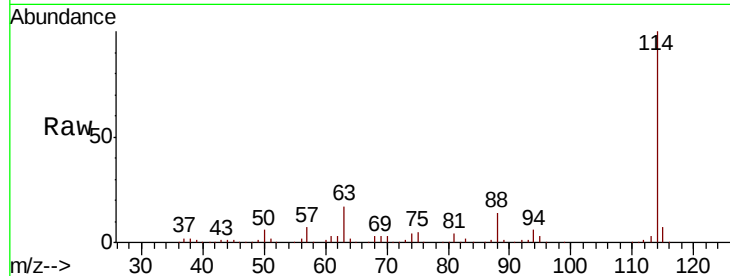




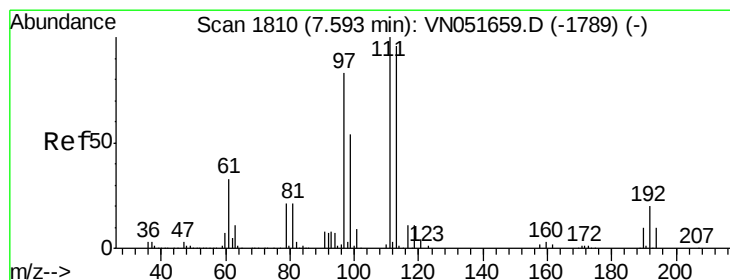
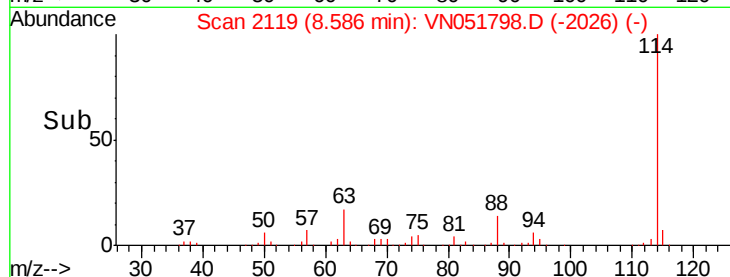
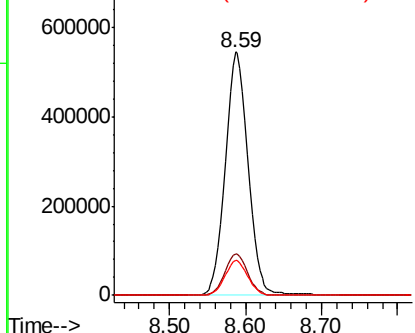
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051798.D
 Acq: 10 Oct 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113684ZHE#09

Tot Ion:114 Resp: 1143916
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.2
 88 14.4 0.0 30.2

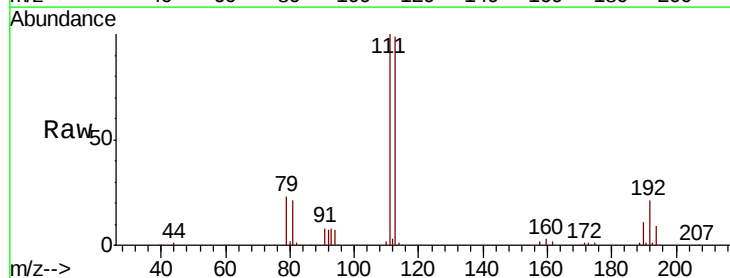


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

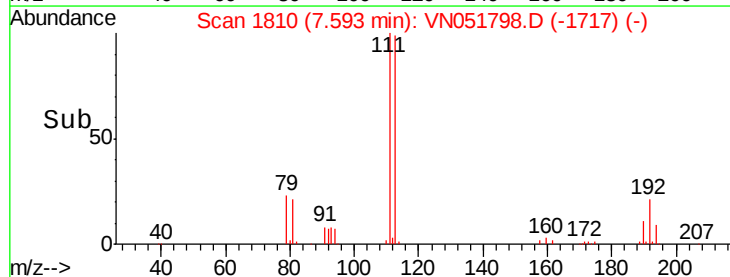
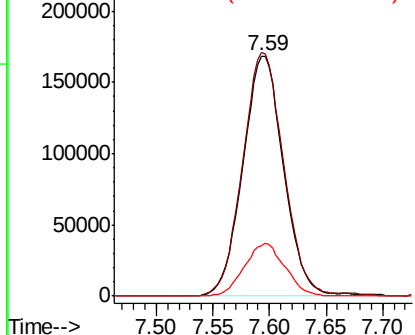


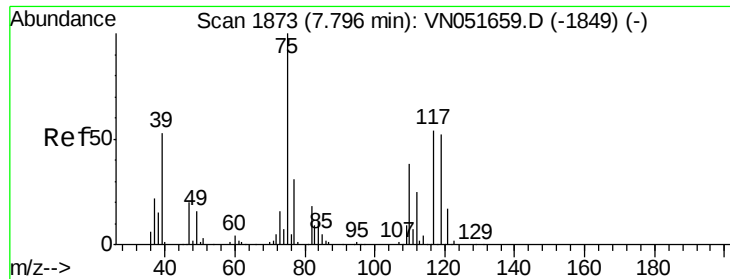
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051798.D
 Acq: 10 Oct 2018 18:13

Tgt Ion:113 Resp: 419998
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 22.1 16.5 24.7



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

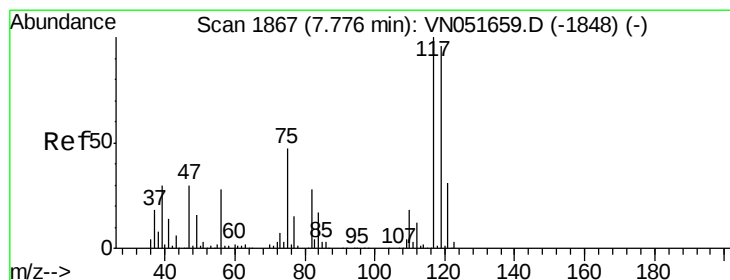
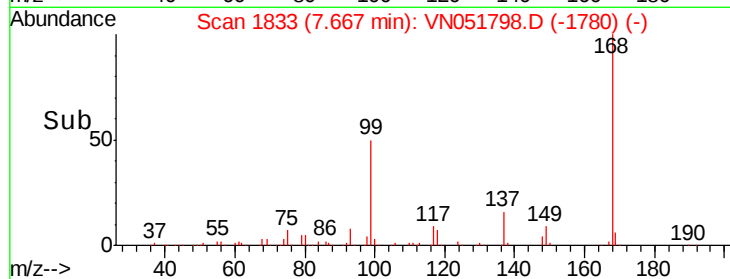
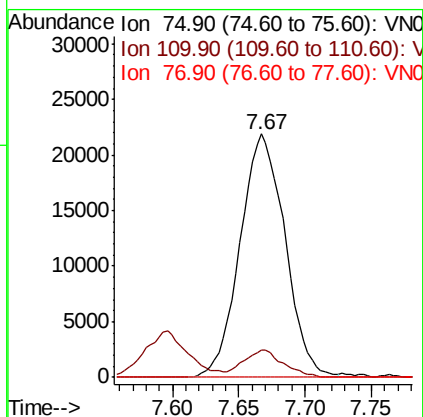
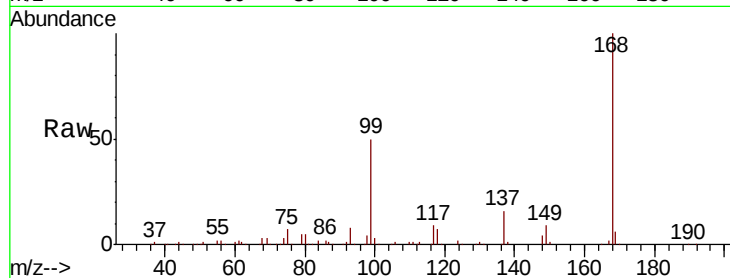




#36
 1,1-Dichloropropene
 Concen: 4.325 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051798.D
 Acq: 10 Oct 2018 18:13

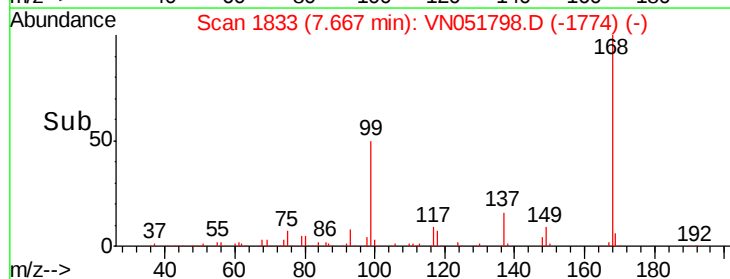
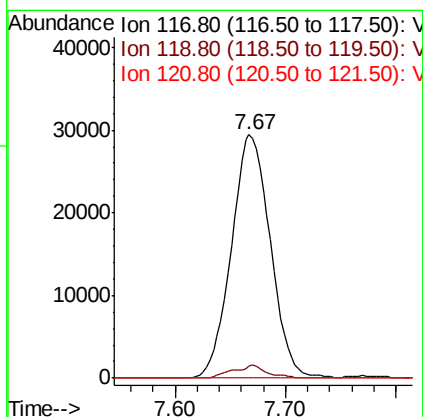
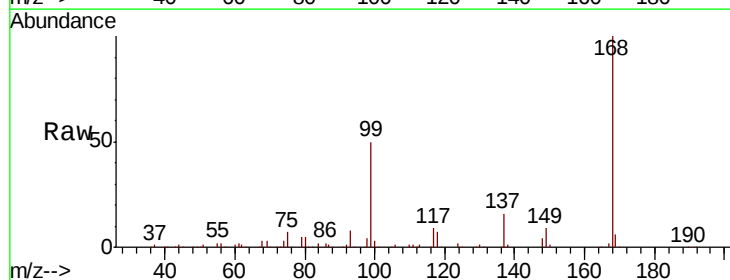
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113684ZHE#09

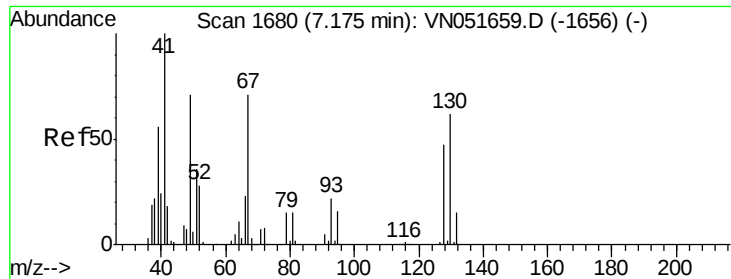
Tot Ion	75	Resp	51715
Ion Ratio	100	Lower	Upper
75	100		
110	10.1	19.3	57.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.012 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051798.D
 Acq: 10 Oct 2018 18:13

Tgt Ion	117	Resp	71902
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.8	77.0	115.6#
121	0.0	25.0	37.6#

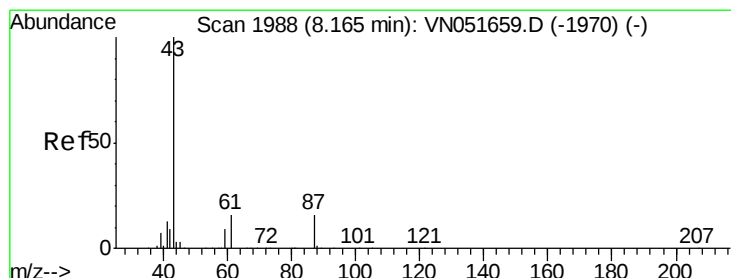
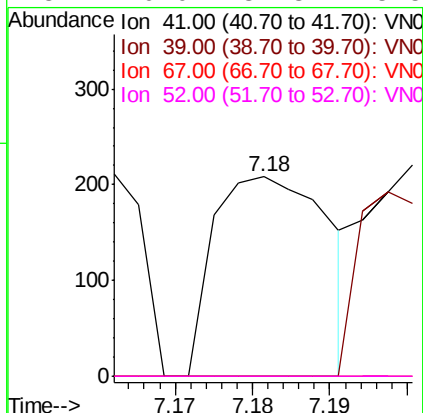
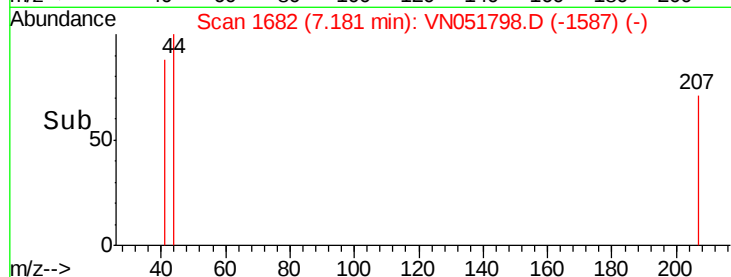
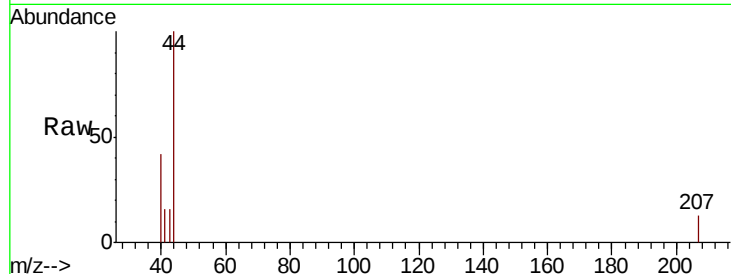




#41
Methacrylonitrile
Concen: Below Cal
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

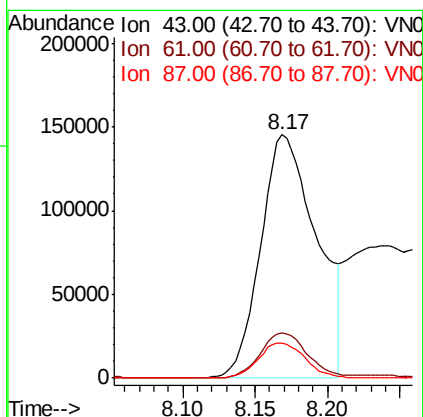
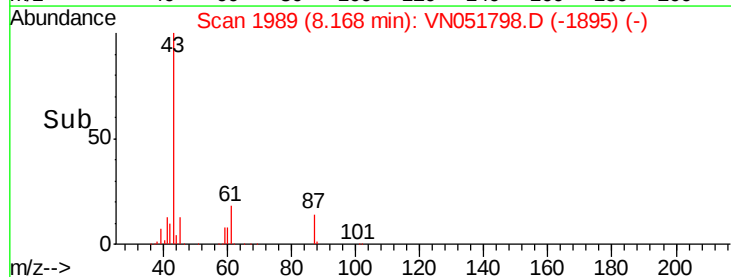
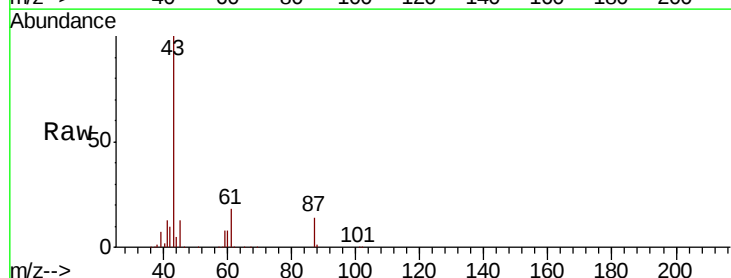
Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

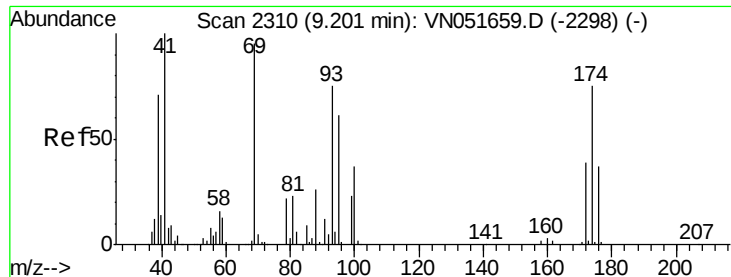
Tot Ion: 41 Resp: 214
Ion Ratio Lower Upper
41 100
39 0.0 53.9 80.9#
67 0.0 78.1 117.1#
52 0.0 32.3 48.5#



#43
Isopropyl Acetate
Concen: 29.970 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion: 43 Resp: 389663
Ion Ratio Lower Upper
43 100
61 15.9 15.8 23.6
87 12.2 12.6 19.0#

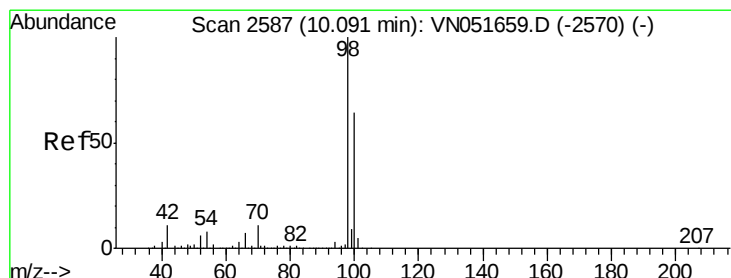
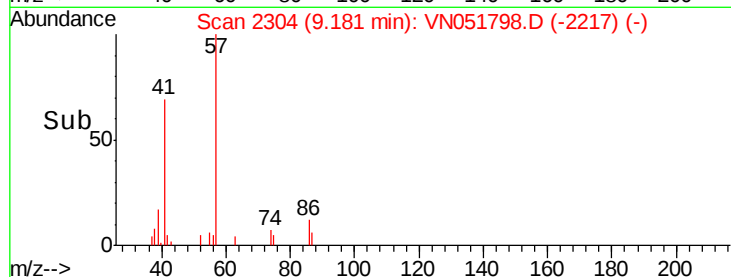
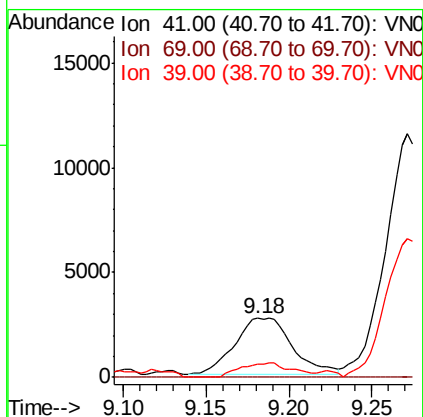
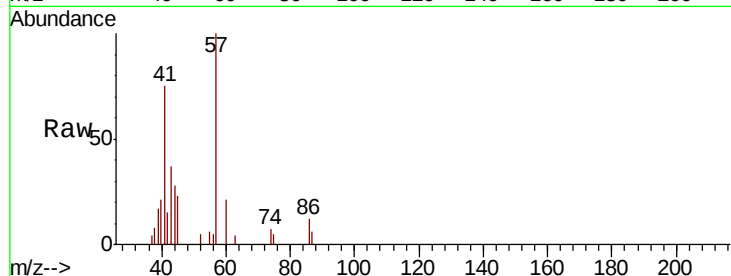




#48
Methvl methacrylate
Concen: 1.076 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

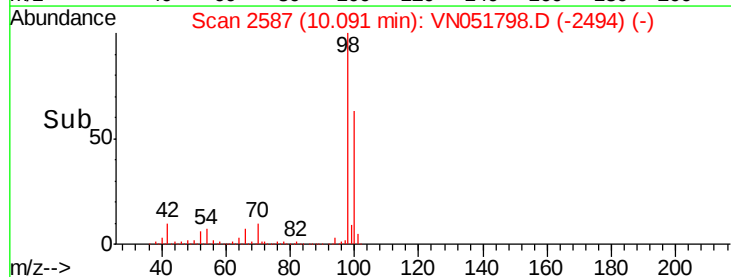
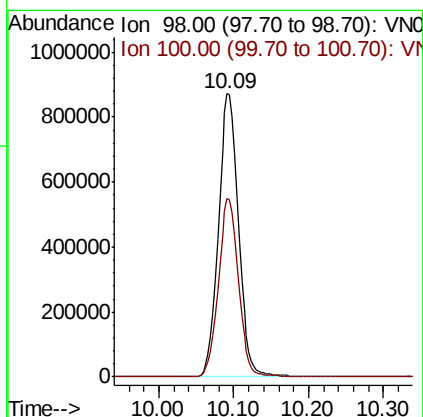
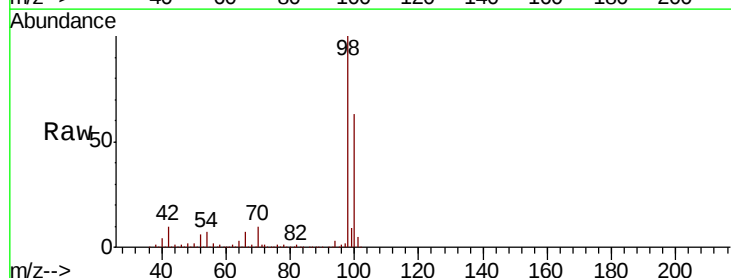
Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

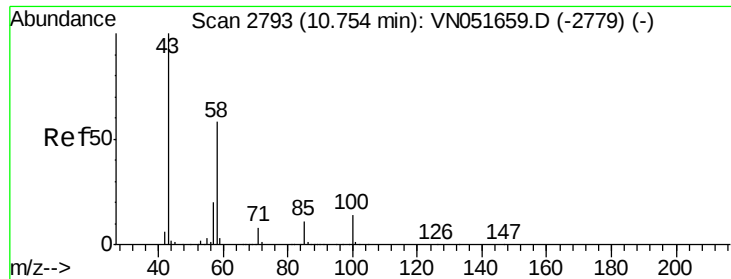
Tot Ion: 41 Resp: 6394
Ion Ratio Lower Upper
41 100
69 0.0 78.6 118.0#
39 23.7 59.2 88.8#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion: 98 Resp: 1616026
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3

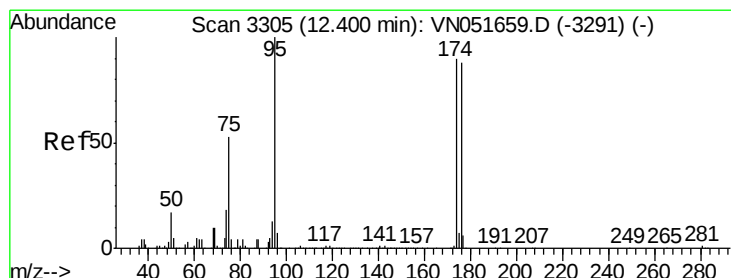
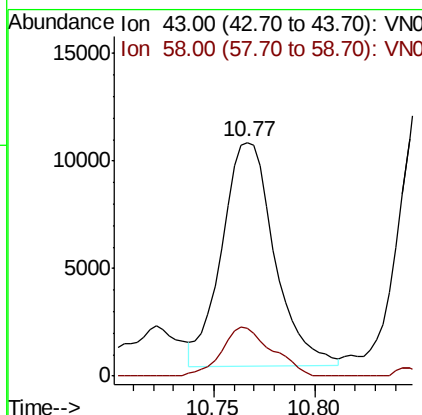
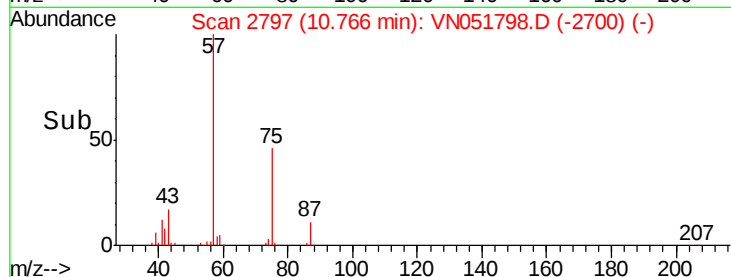
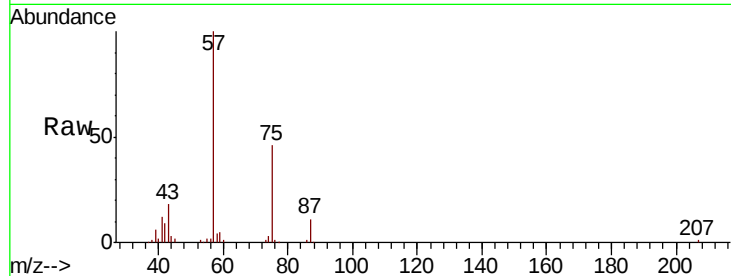




#59
2-Hexanone
Concen: 4.237 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

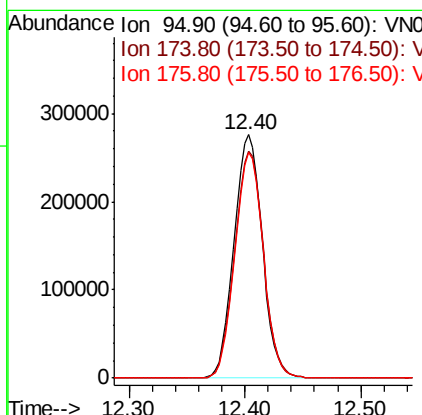
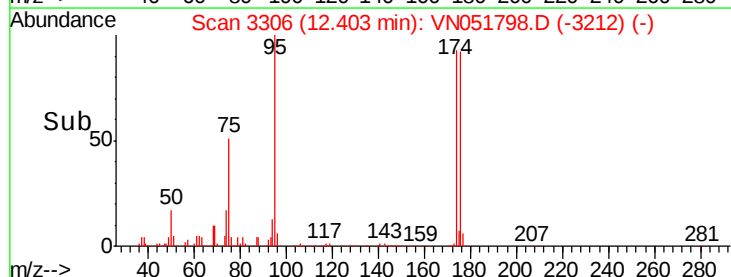
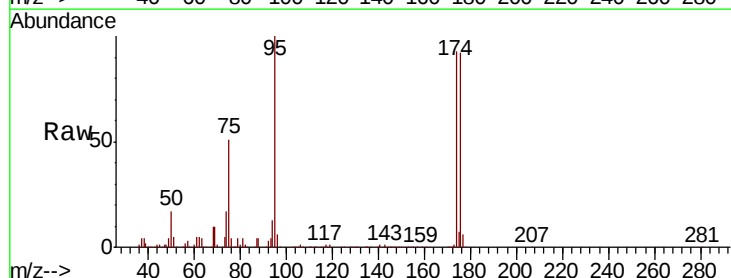
Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

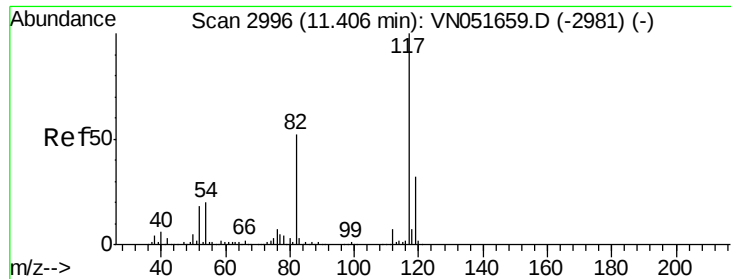
Tot Ion: 43 Resp: 18956
Ion Ratio Lower Upper
43 100
58 21.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion: 95 Resp: 464455
Ion Ratio Lower Upper
95 100
174 95.0 0.0 182.8
176 93.0 0.0 176.4

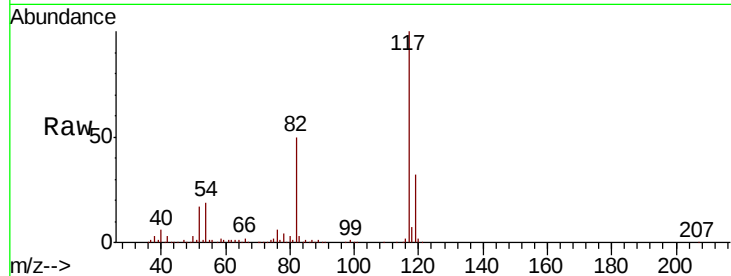




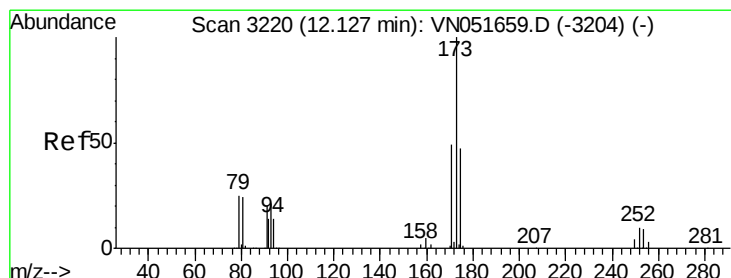
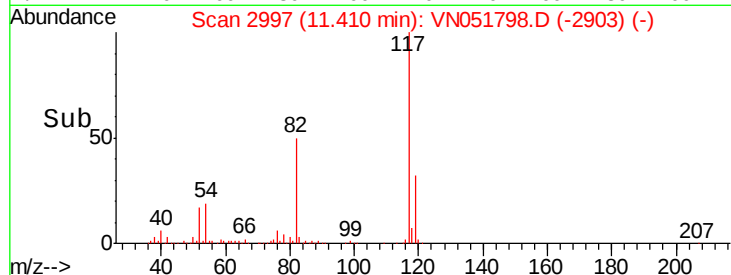
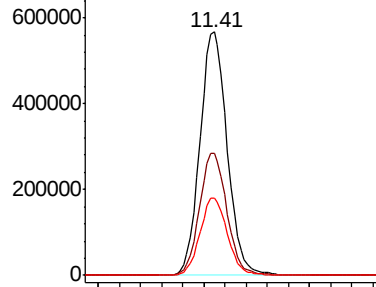
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
PB113684ZHE#09

Tot Ion:117 Resp: 1010648
Ion Ratio Lower Upper
117 100
82 50.2 41.3 61.9
119 32.0 25.9 38.9

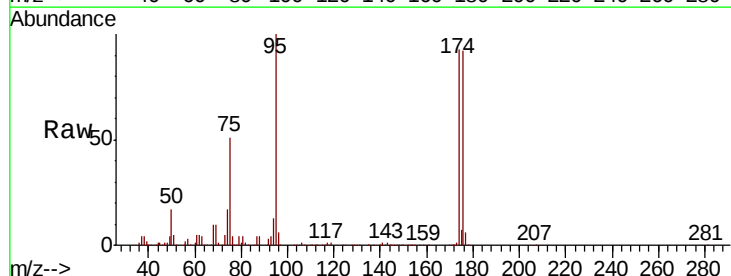


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

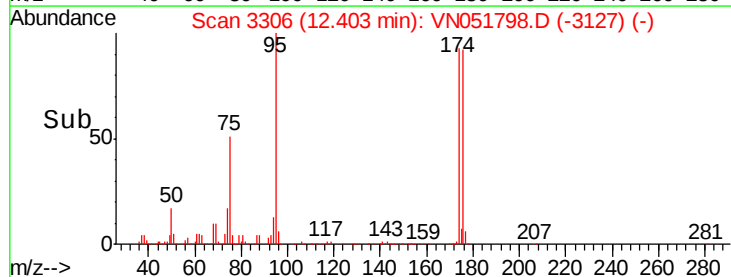
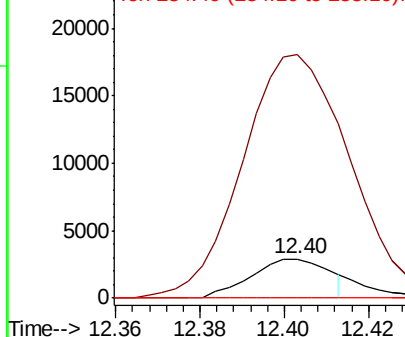


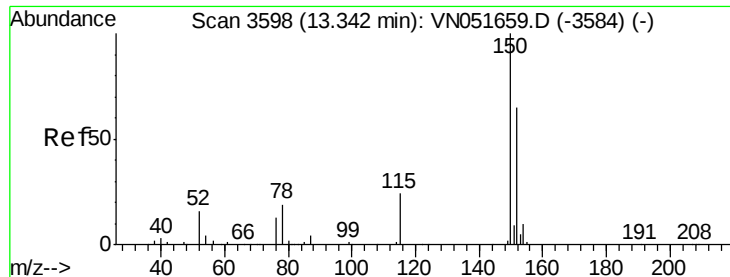
#71
Bromoform
Concen: 0.494 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051798.D
Acq: 10 Oct 2018 18:13

Tgt Ion:173 Resp: 3680
Ion Ratio Lower Upper
173 100
175 719.9 24.0 72.0#
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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051798.D

Acq: 10 Oct 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

PB113684ZHE#09

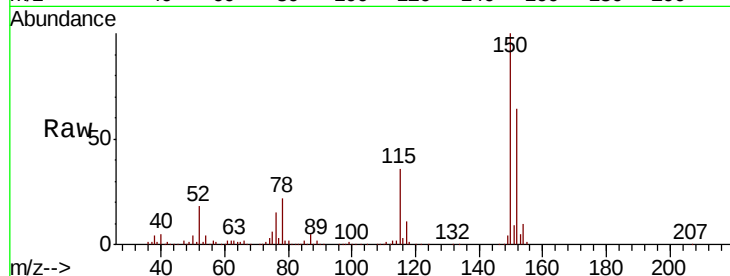
Tot Ion:152 Resp: 374787

Ion Ratio Lower Upper

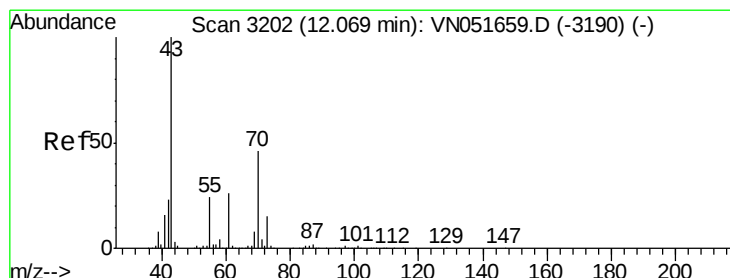
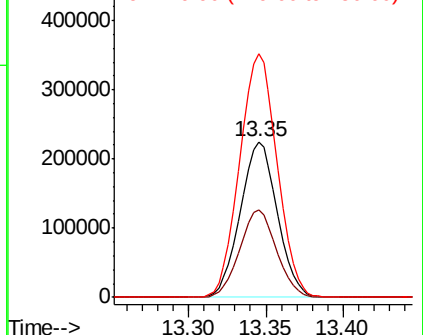
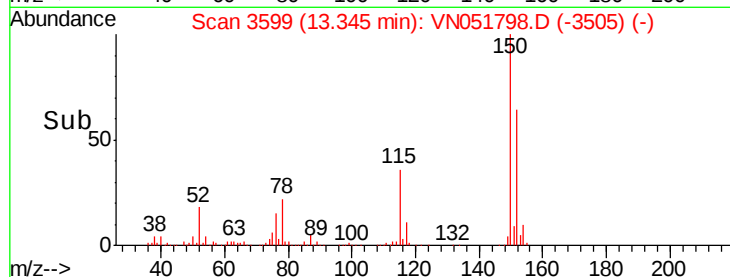
152 100

115 55.6 28.6 85.8

150 158.3 0.0 352.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN051798.D

Acq: 10 Oct 2018 18:13

Tgt Ion: 43 Resp: 131

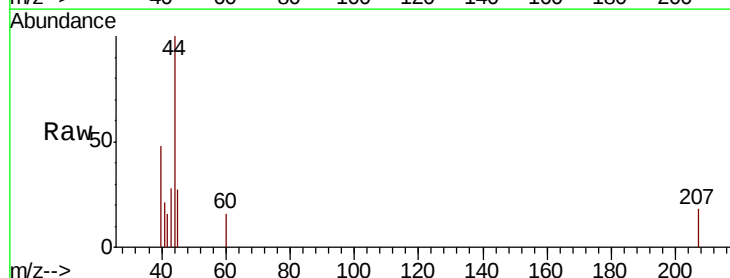
Ion Ratio Lower Upper

43 100

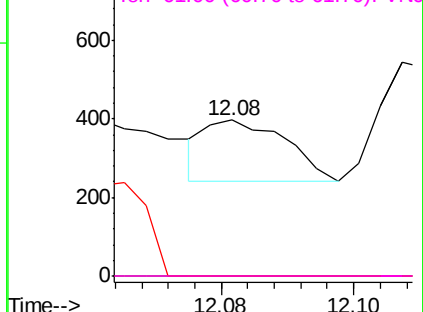
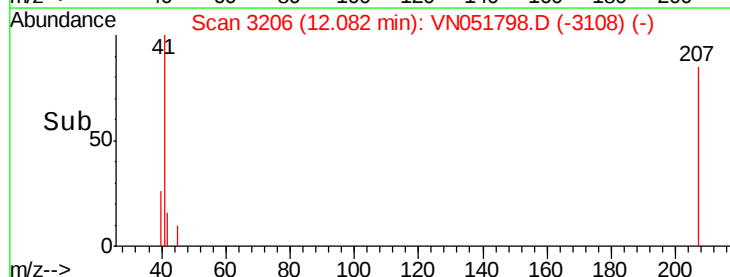
70 0.0 37.1 55.7#

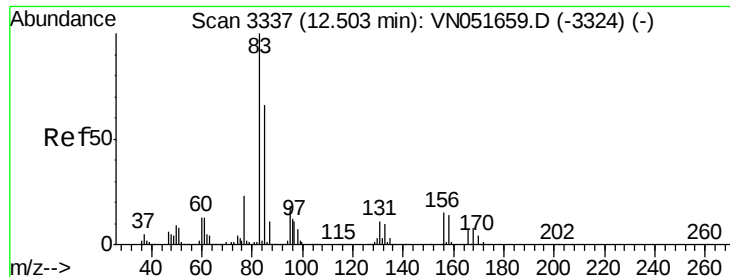
55 0.0 19.1 28.7#

61 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.58 min Scan# 3360

Delta R.T. 0.07 min

Lab File: VN051798.D

Acq: 10 Oct 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

PB113684ZHE#09

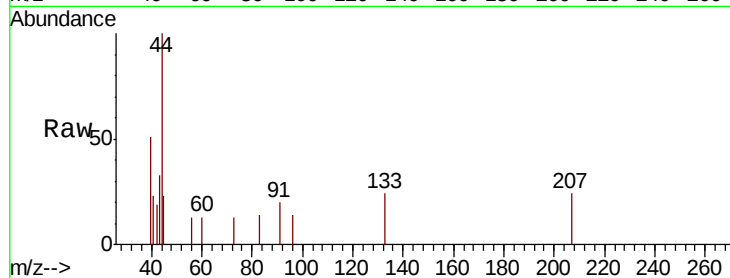
Tot Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

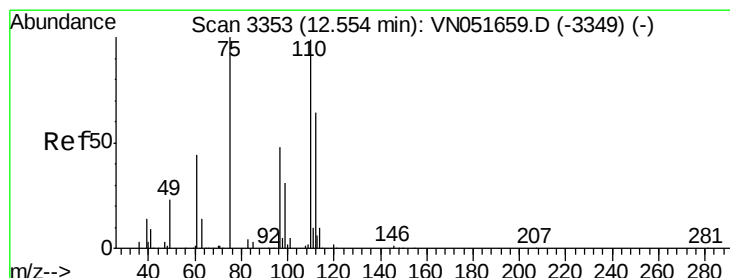
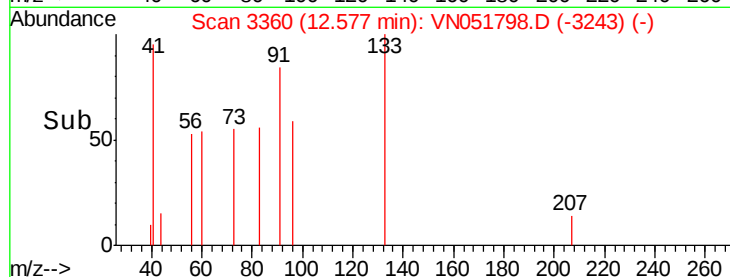
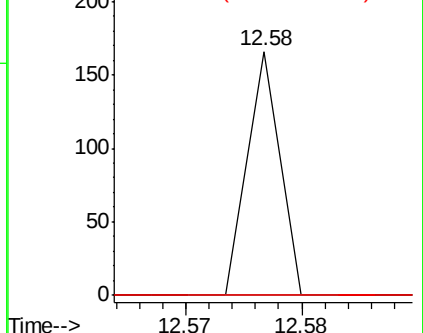
85 0.0 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 51.233 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051798.D

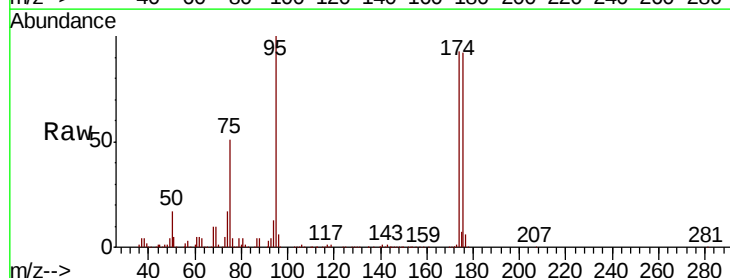
Acq: 10 Oct 2018 18:13

Tgt Ion: 75 Resp: 238113

Ion Ratio Lower Upper

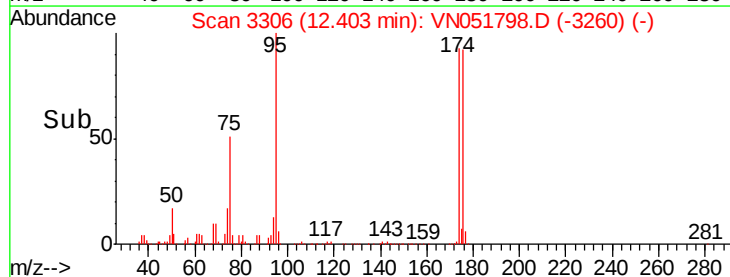
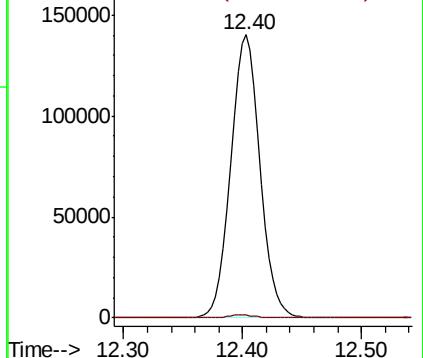
75 100

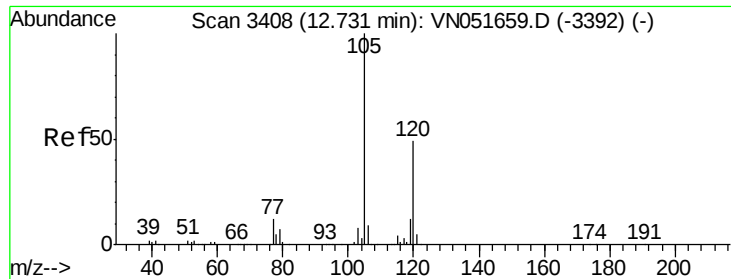
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

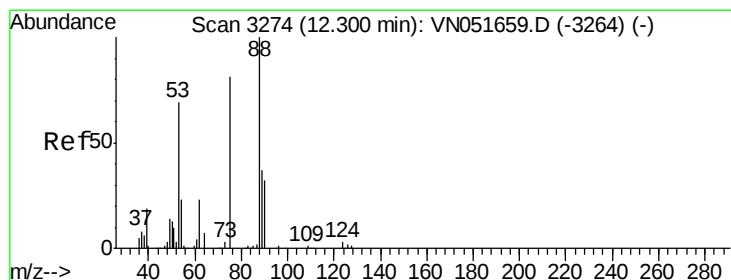
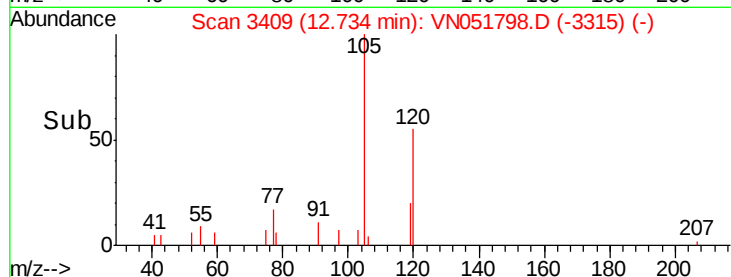
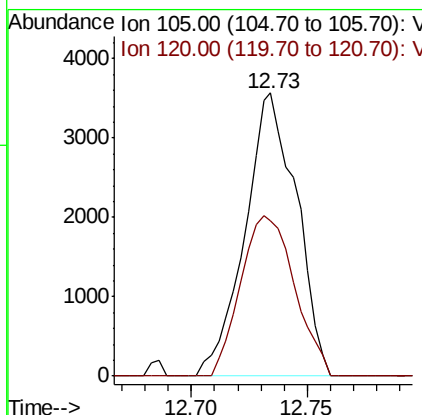
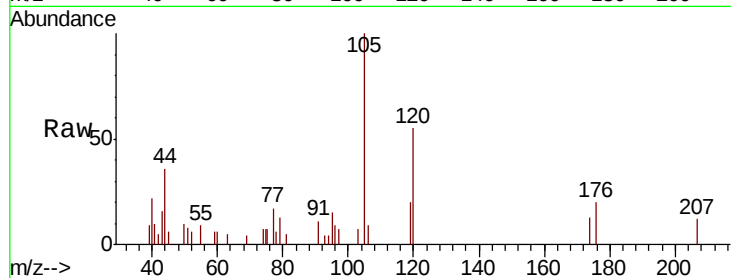




#80
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051798.D
 Acq: 10 Oct 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113684ZHE#09

Tot Ion:105 Resp: 5527
 Ion Ratio Lower Upper
 105 100
 120 59.1 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.786 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051798.D
 Acq: 10 Oct 2018 18:13

Tgt Ion: 75 Resp: 238113
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.0 39.4 59.2#

