

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051888.D
 Acq On : 16 Oct 2018 12:00
 Operator : MD\SY
 Sample : PB113865ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113865ZHE#03

Quant Time: Oct 17 02:23:44 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	816634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1176948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344836	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	444216	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
35) Dibromofluoromethane	7.59	113	439653	60.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.16%	
50) Toluene-d8	10.09	98	1607460	58.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.88%	
62) 4-Bromofluorobenzene	12.40	95	445618	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

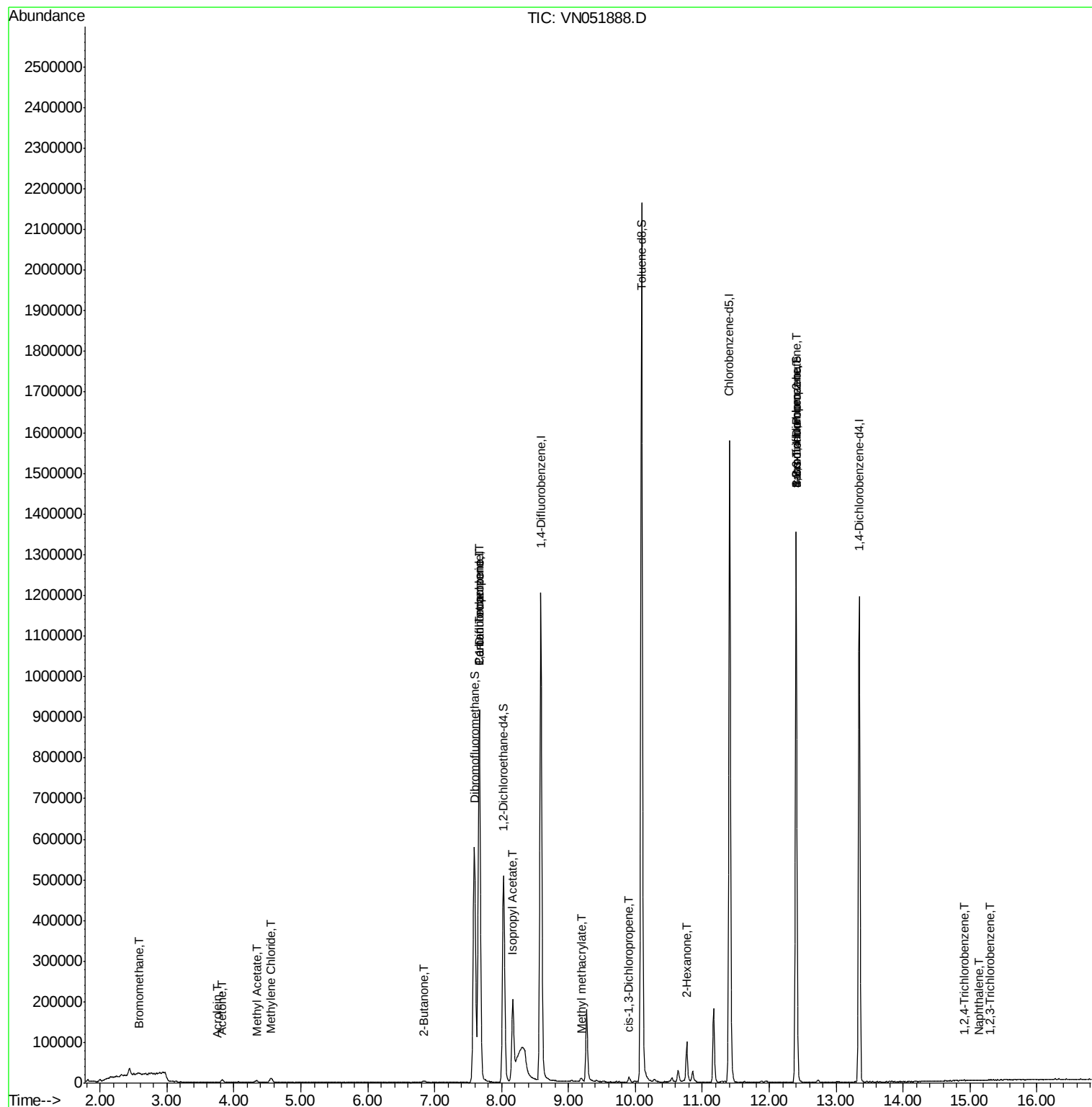
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2917	0.393	ug/l	81
13) Acrolein	3.74	56	74	16.058	ug/l #	14
16) Acetone	3.82	43	10749	6.385	ug/l	91
18) Methyl Acetate	4.33	43	6423	0.377	ug/l	94
20) Methylene Chloride	4.55	84	8750	1.256	ug/l #	79
25) 2-Butanone	6.85	43	2275	0.956	ug/l	90
31) Cyclohexane	7.66	56	13581	Below Cal	#	19
36) 1,1-Dichloropropene	7.66	75	51026	5.355	ug/l #	51
38) Carbon Tetrachloride	7.67	117	72883	6.599	ug/l #	15
43) Isopropyl Acetate	8.17	43	252915	25.641	ug/l	95
48) Methyl methacrylate	9.18	41	5747	1.319	ug/l #	16
54) cis-1,3-Dichloropropene	9.91	75	2271	0.208	ug/l #	57
59) 2-Hexanone	10.76	43	13236	3.711	ug/l #	58
71) Bromoform	12.40	173	3304	4.069	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	225261	52.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	225261	150.428	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	517	3.737	ug/l #	77
95) Naphthalene	15.14	128	956	4.465	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	62	2.867	ug/l #	1

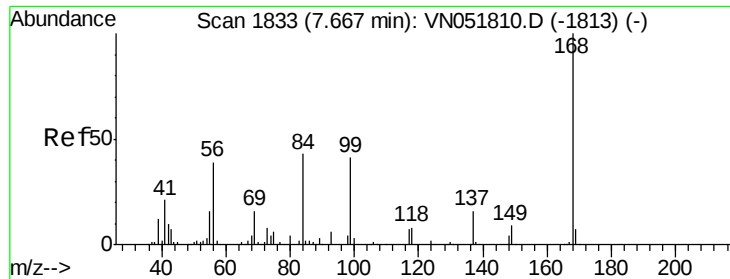
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

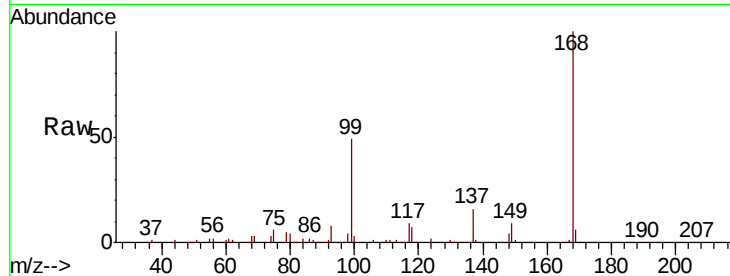
PB113865ZHE#03

Tgt Ion:168 Resp: 816634

Ion Ratio Lower Upper

168 100

99 48.8 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) (-)

7.67

400000

300000

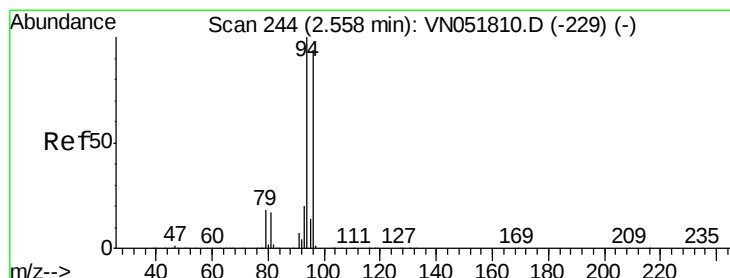
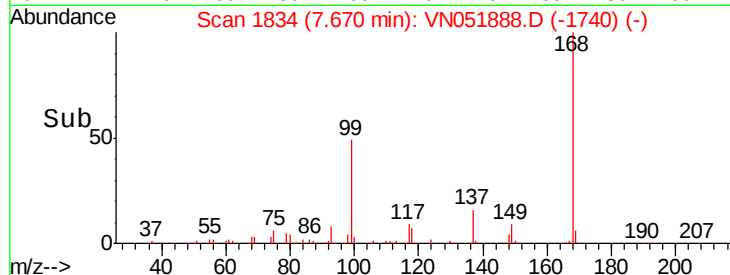
200000

100000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.393 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051888.D

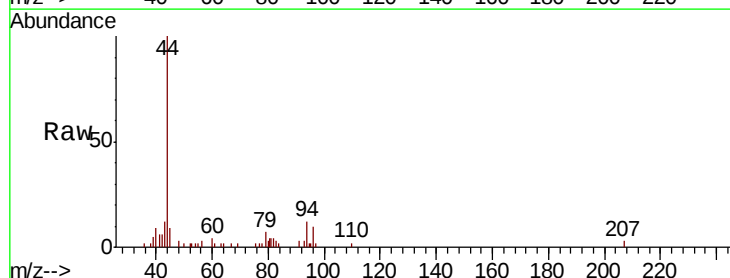
Acq: 16 Oct 2018 12:00

Tgt Ion: 94 Resp: 2917

Ion Ratio Lower Upper

94 100

96 76.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

2.57

1500

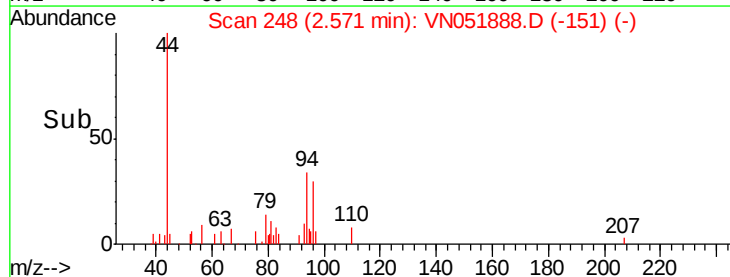
1000

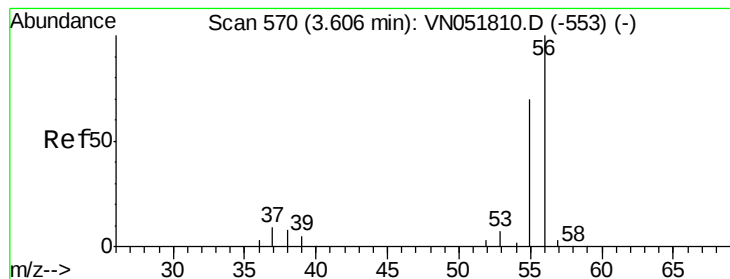
500

0

2.50 2.55 2.60

Time-->





#13

Acrolein

Concen: 16.058 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.14 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

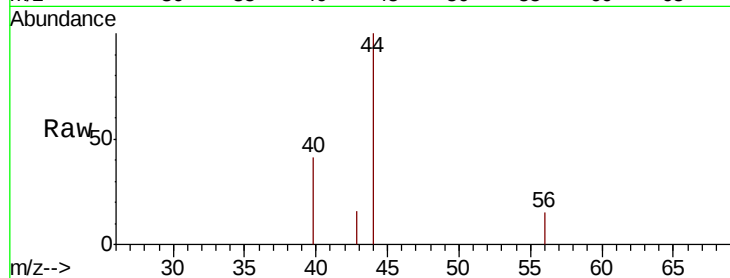
PB113865ZHE#03

Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

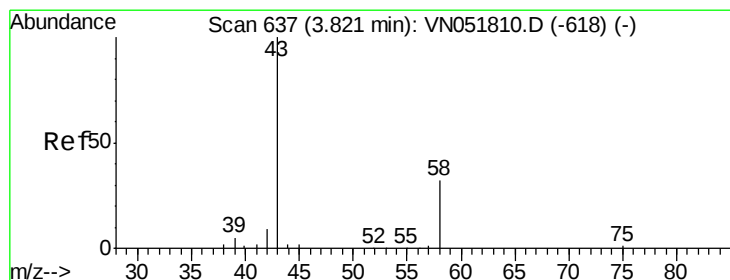
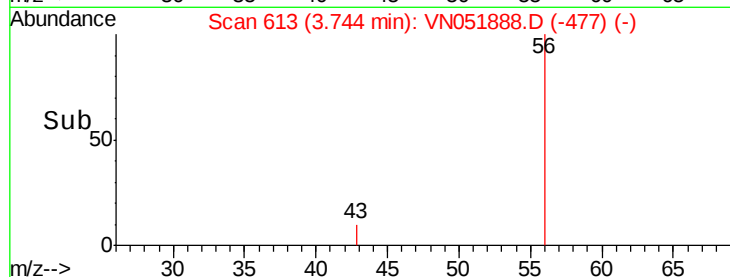
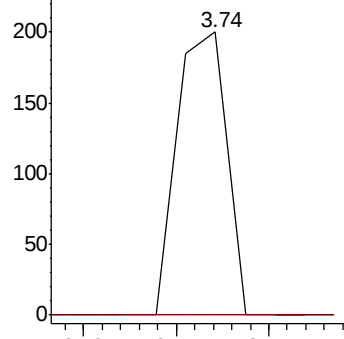
56 100

55 0.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 6.385 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051888.D

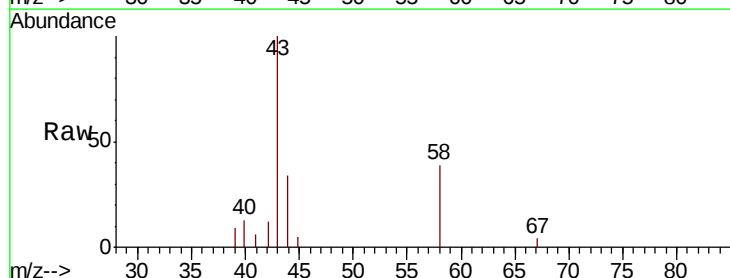
Acq: 16 Oct 2018 12:00

Tgt Ion: 43 Resp: 10749

Ion Ratio Lower Upper

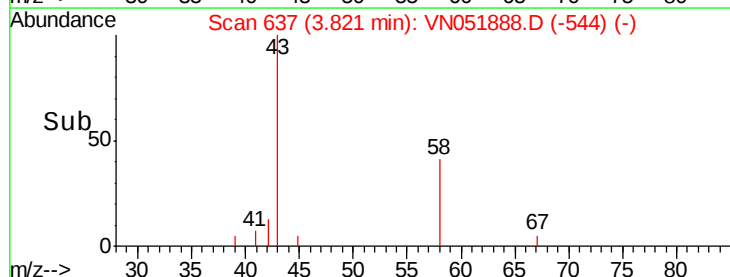
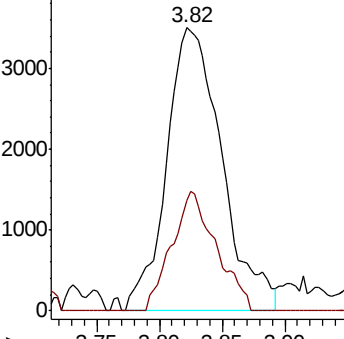
43 100

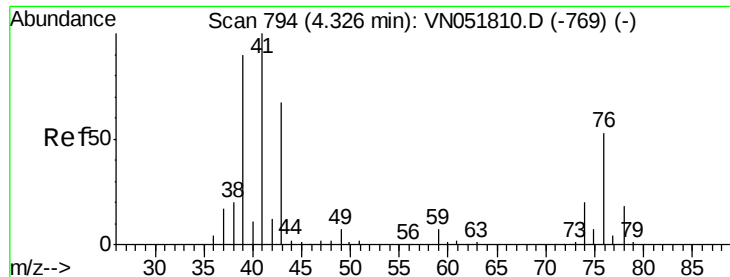
58 39.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

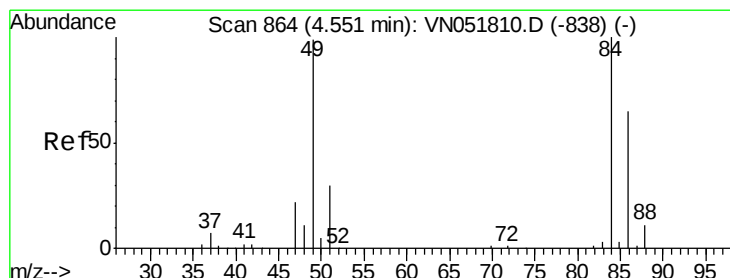
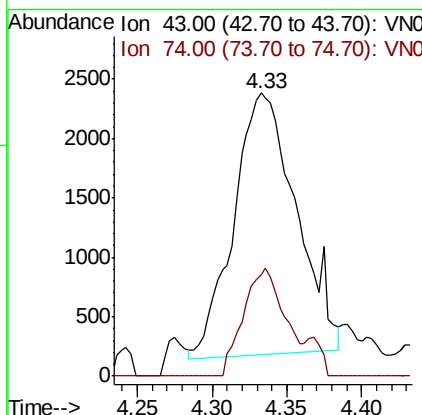
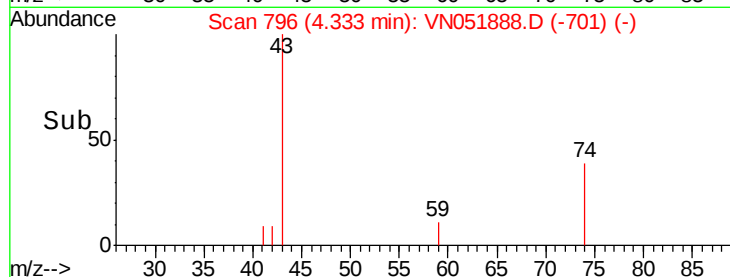
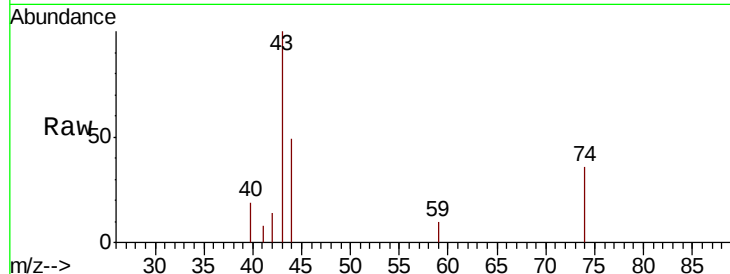




#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051888.D
Acq: 16 Oct 2018 12:00

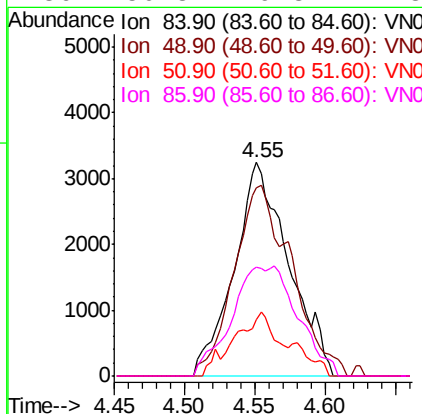
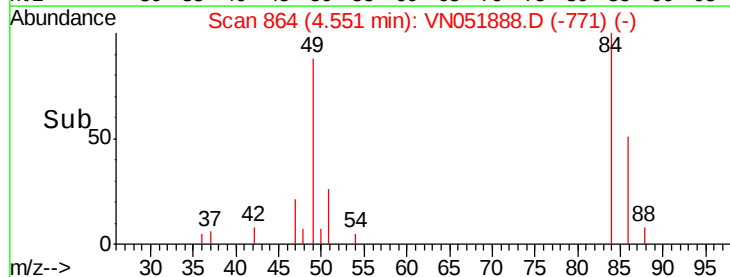
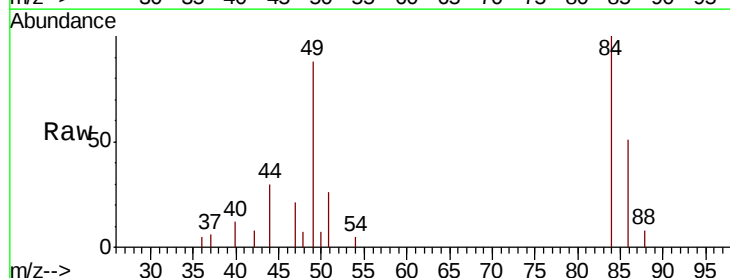
Instrument :
MSVOA_N
ClientSampleId :
PB113865ZHE#03

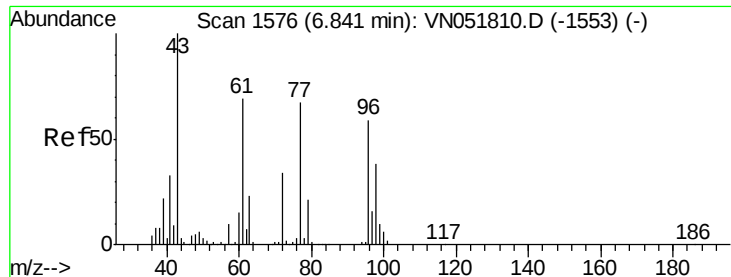
Tgt Ion: 43 Resp: 6423
Ion Ratio Lower Upper
43 100
74 27.6 19.8 29.8



#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051888.D
Acq: 16 Oct 2018 12:00

Tgt Ion: 84 Resp: 8750
Ion Ratio Lower Upper
84 100
49 88.3 93.2 139.8#
51 26.3 29.0 43.6#
86 50.8 49.8 74.8

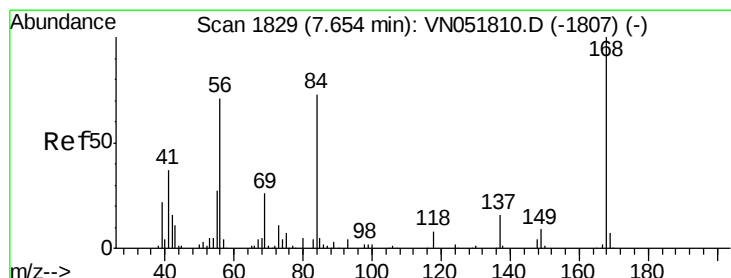
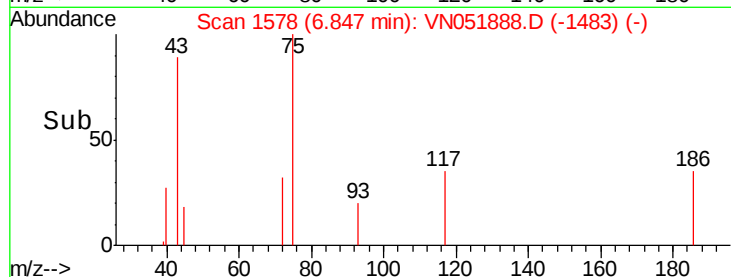
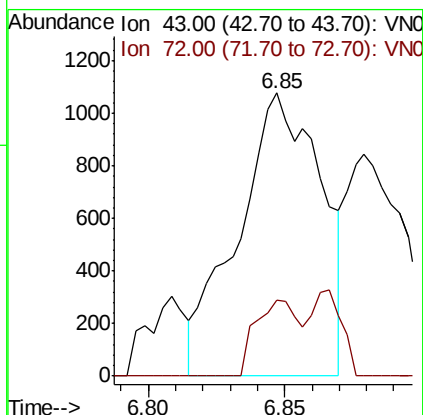
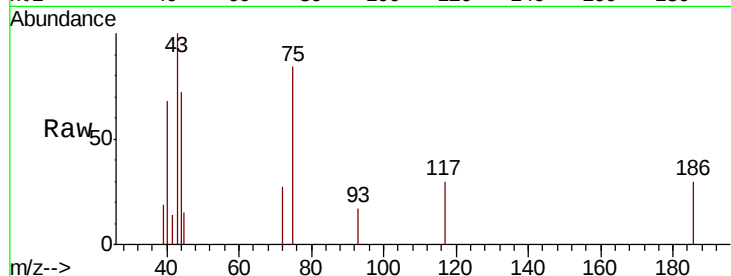




#25
2-Butanone
Concen: 0.956 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051888.D
Acq: 16 Oct 2018 12:00

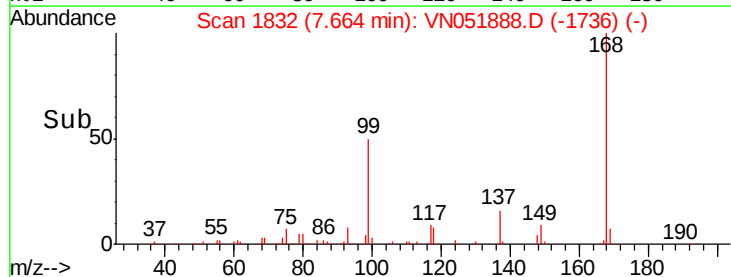
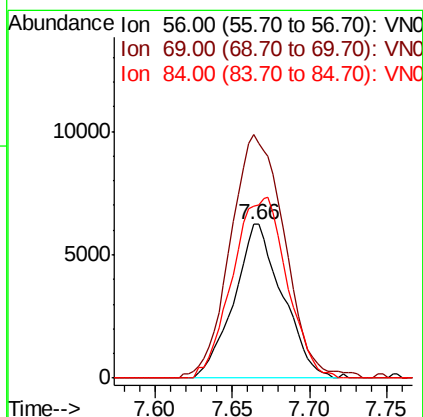
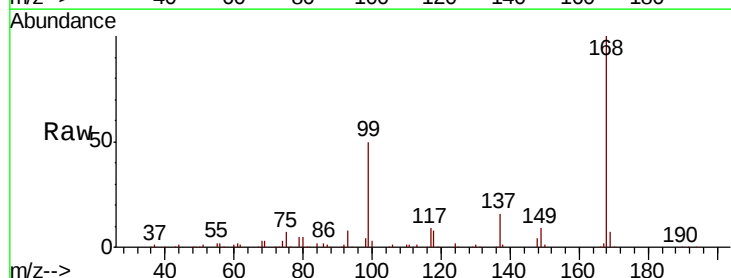
Instrument :
MSVOA_N
ClientSampleId :
PB113865ZHE#03

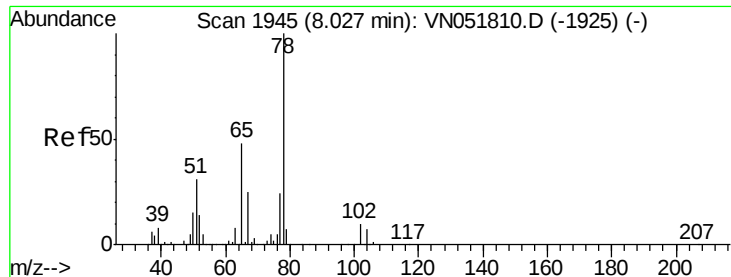
Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
72 33.1 22.3 33.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051888.D
Acq: 16 Oct 2018 12:00

Tgt Ion: 56 Resp: 13581
Ion Ratio Lower Upper
56 100
69 155.6 26.2 39.4#
84 112.0 68.3 102.5#

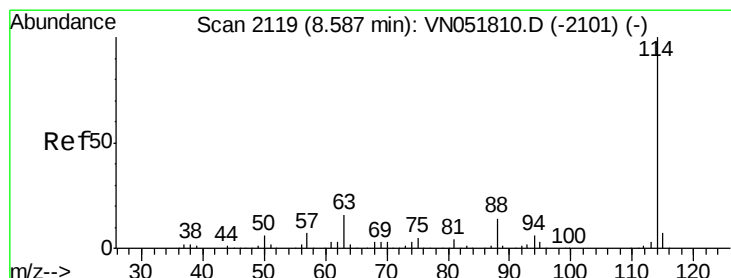
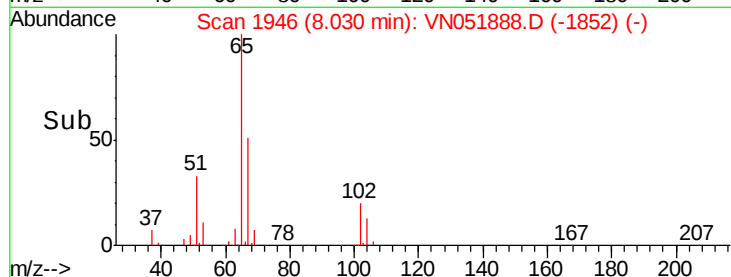
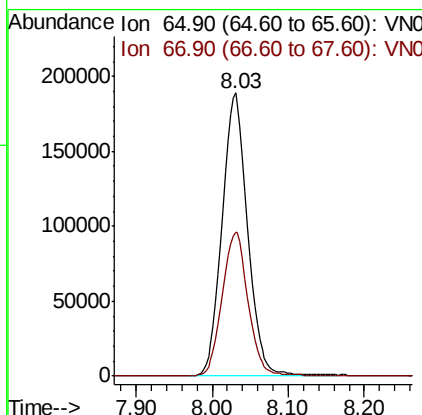
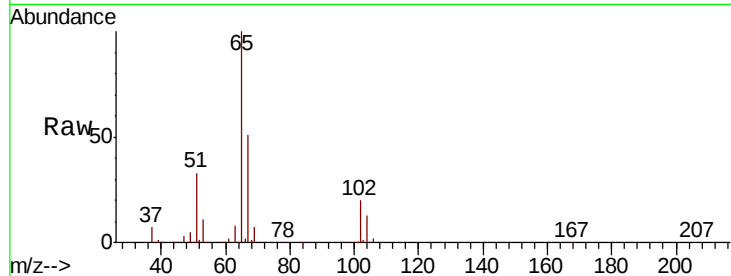




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

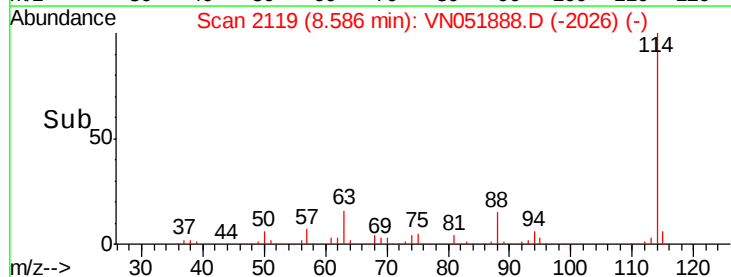
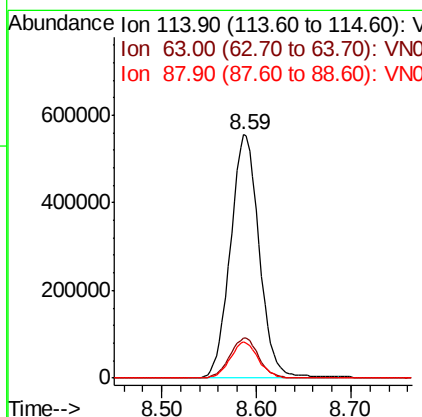
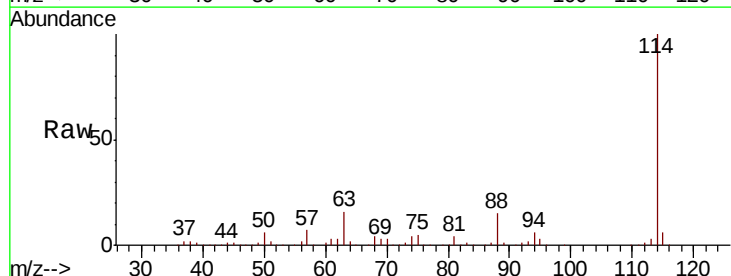
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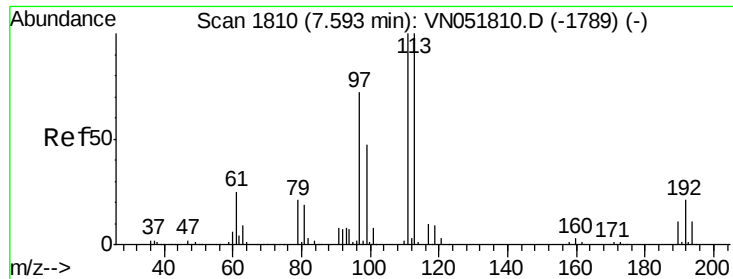
Tgt Ion: 65 Resp: 444216
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

Tgt Ion: 114 Resp: 1176948
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 38.6
 88 14.6 0.0 30.6

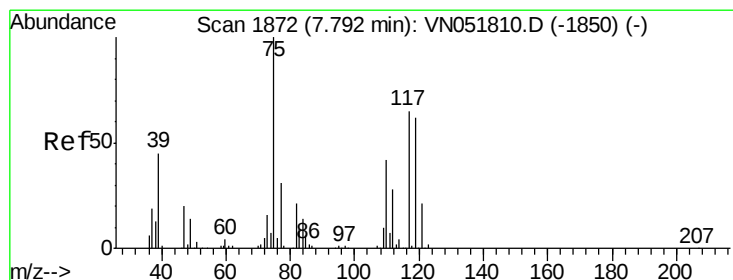
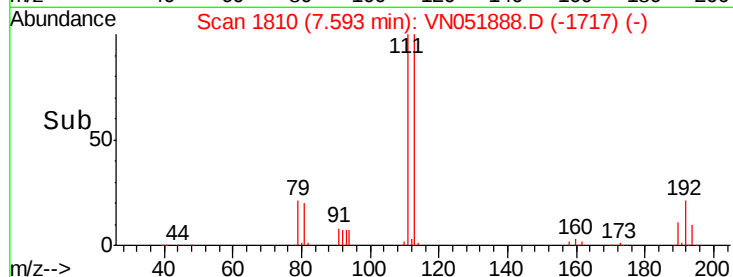
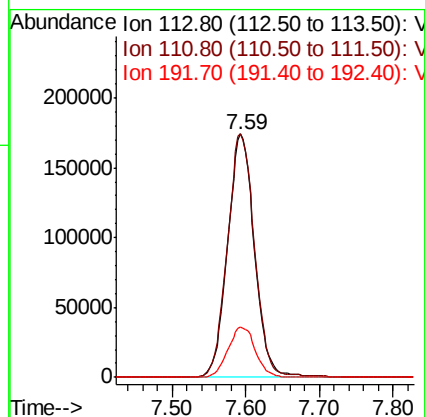
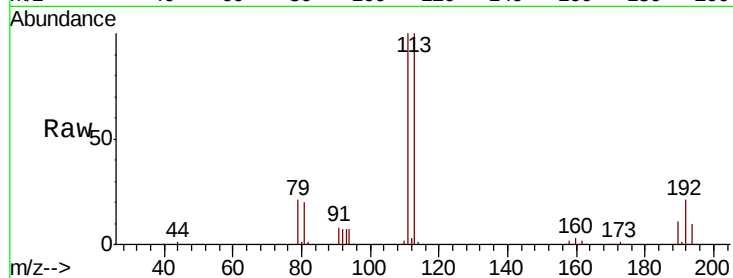




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

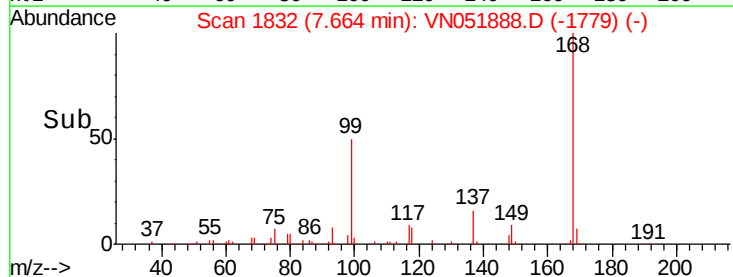
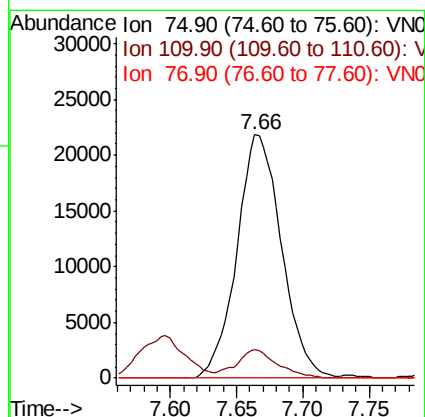
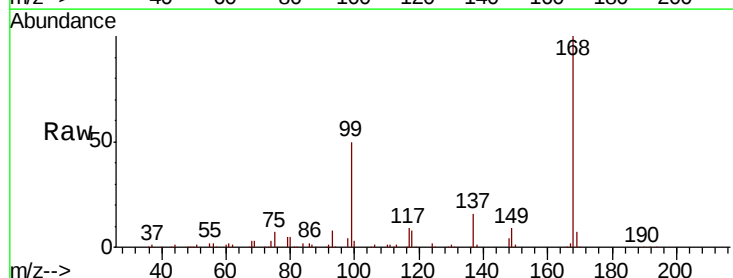
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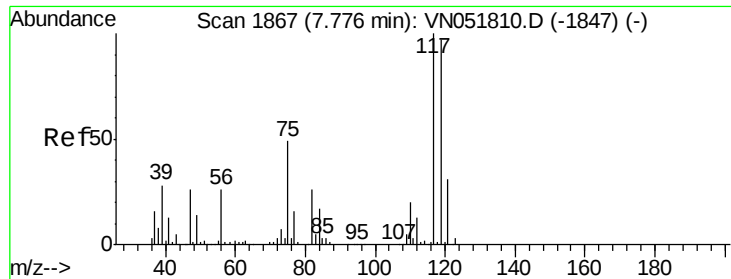
Tgt Ion: 113 Resp: 439653
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 123.8
 192 21.1 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.355 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

Tgt Ion: 75 Resp: 51026
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

PB113865ZHE#03

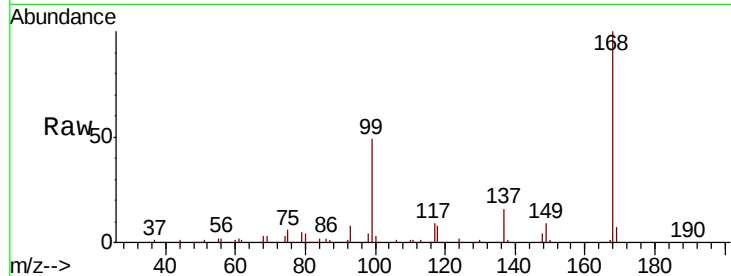
Tgt Ion:117 Resp: 72883

Ion Ratio Lower Upper

117 100

119 3.6 76.3 114.5#

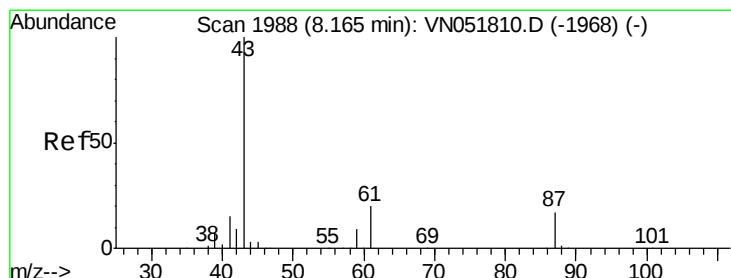
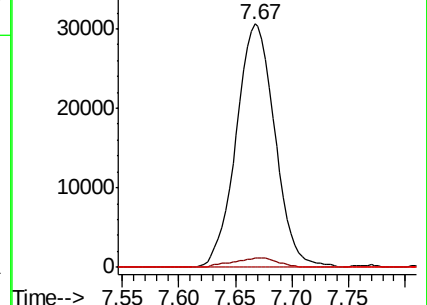
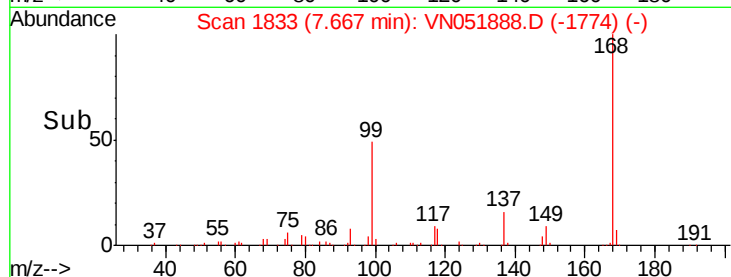
121 0.0 24.6 36.8#



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: 25.641 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

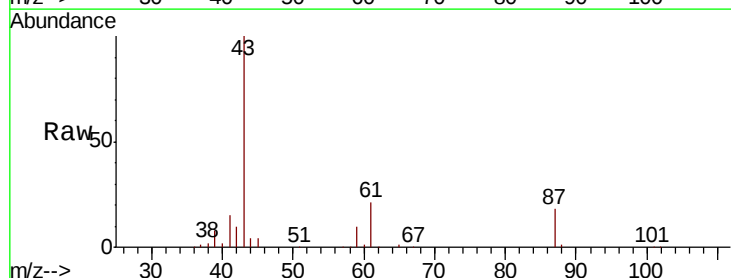
Tgt Ion: 43 Resp: 252915

Ion Ratio Lower Upper

43 100

61 19.4 17.5 26.3

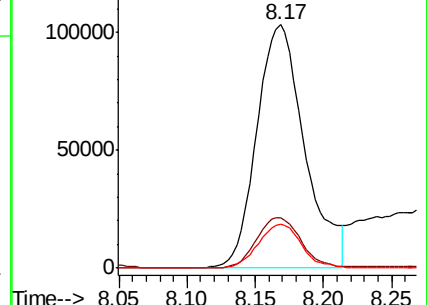
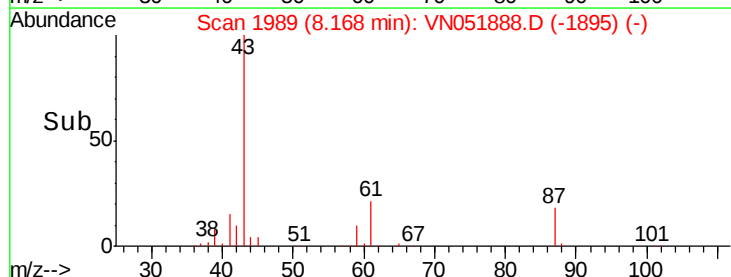
87 16.2 11.3 16.9

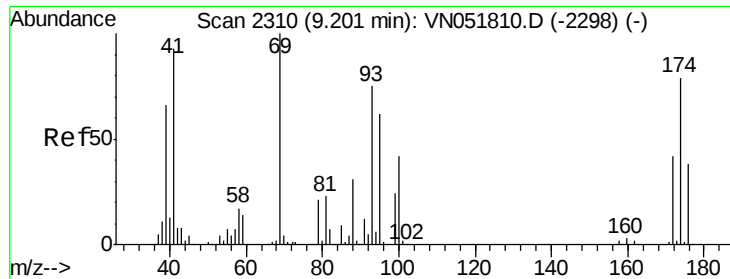


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methyl methacrylate

Concen: 1.319 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

PB113865ZHE#03

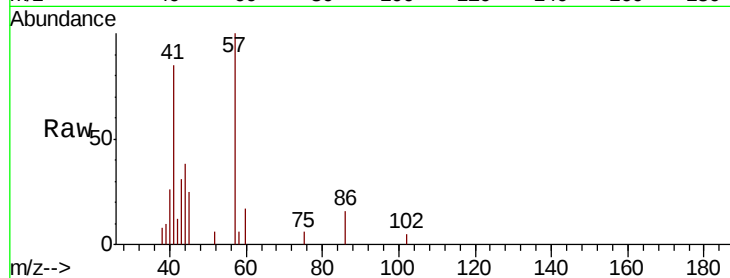
Tgt Ion: 41 Resp: 5747

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

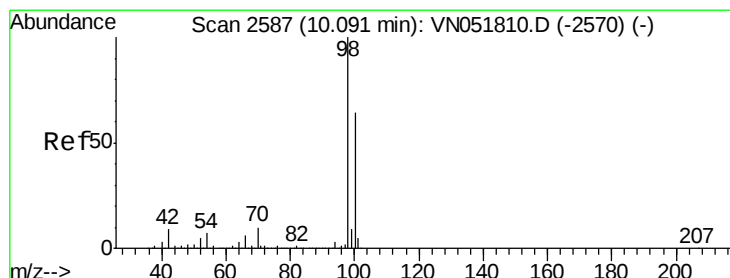
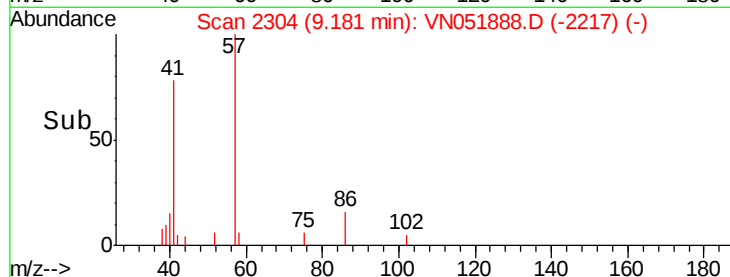
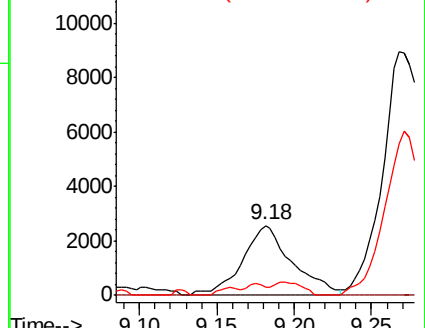
39 10.1 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VN051810.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051810.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051810.D (-2298) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051888.D

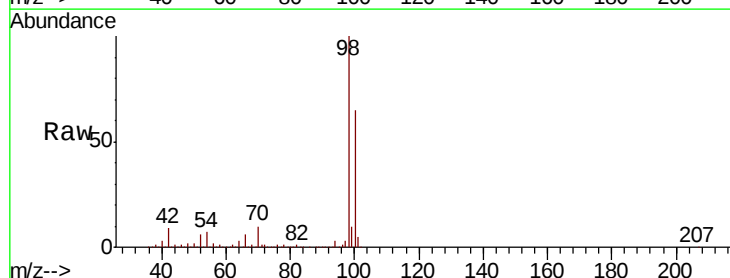
Acq: 16 Oct 2018 12:00

Tgt Ion: 98 Resp: 1607460

Ion Ratio Lower Upper

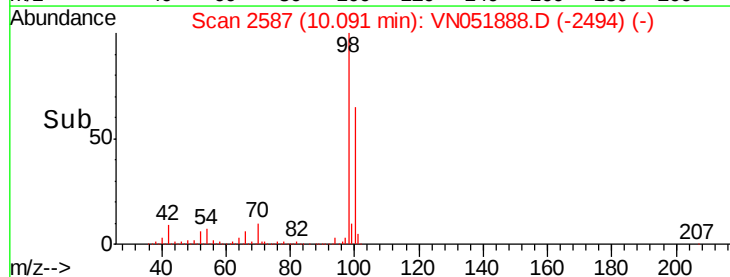
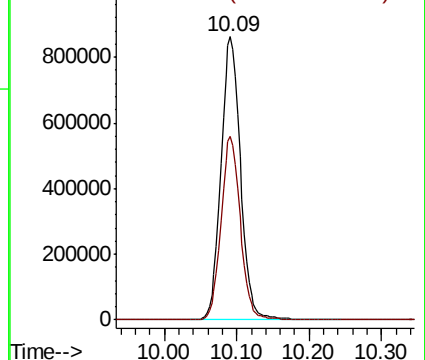
98 100

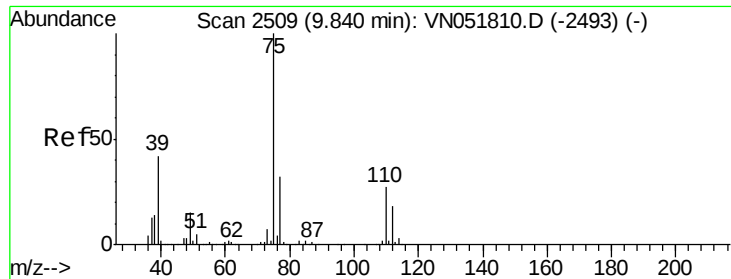
100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051810.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051810.D (-2570) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.208 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

PB113865ZHE#03

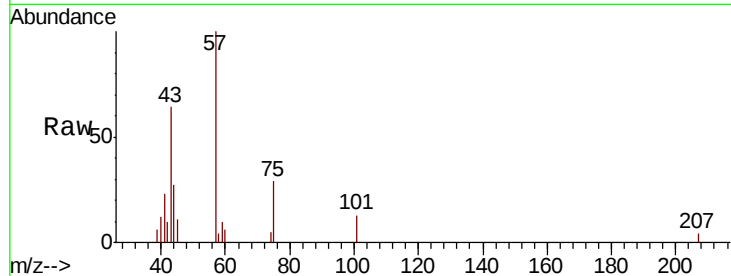
Tgt Ion: 75 Resp: 2271

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

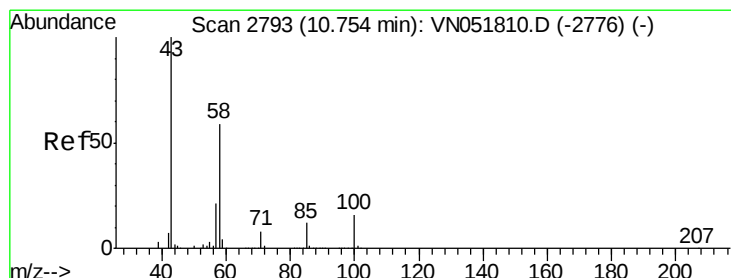
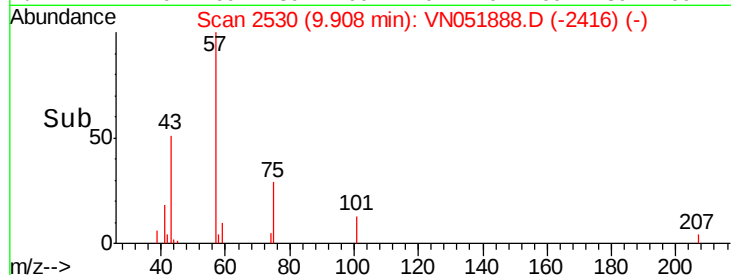
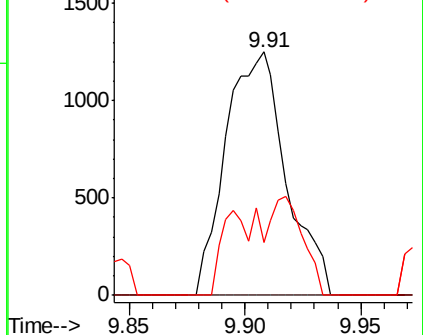
39 21.5 33.0 49.4#



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



#59

2-Hexanone

Concen: 3.711 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051888.D

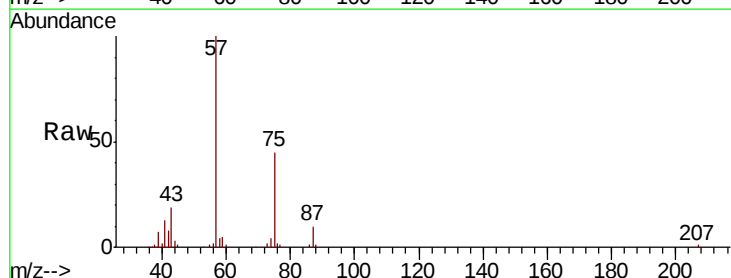
Acq: 16 Oct 2018 12:00

Tgt Ion: 43 Resp: 13236

Ion Ratio Lower Upper

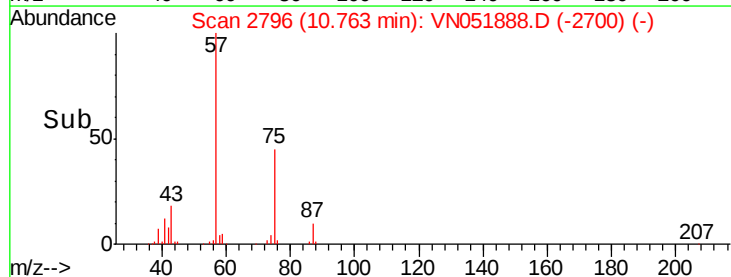
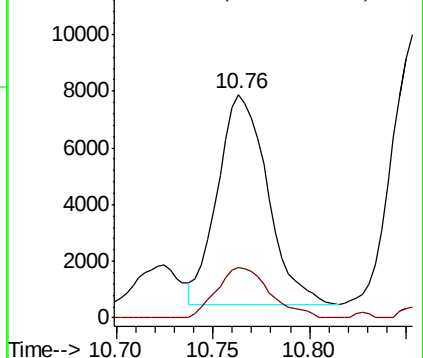
43 100

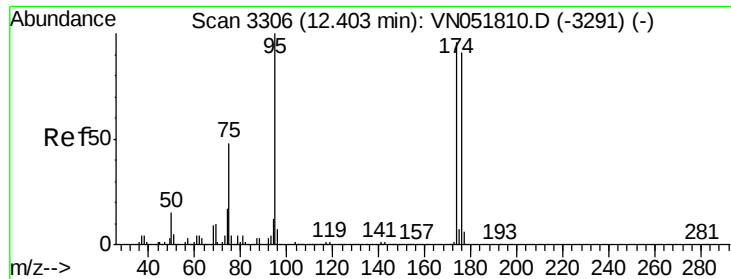
58 25.7 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

PB113865ZHE#03

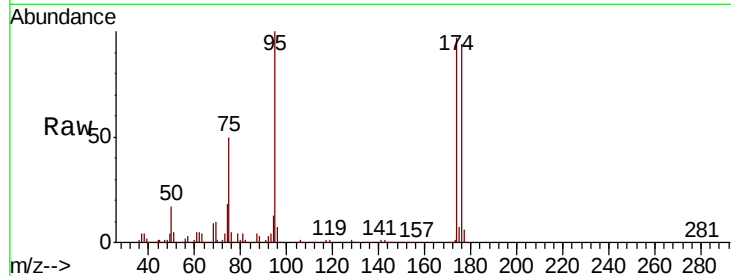
Tgt Ion: 95 Resp: 445618

Ion Ratio Lower Upper

95 100

174 96.5 0.0 183.0

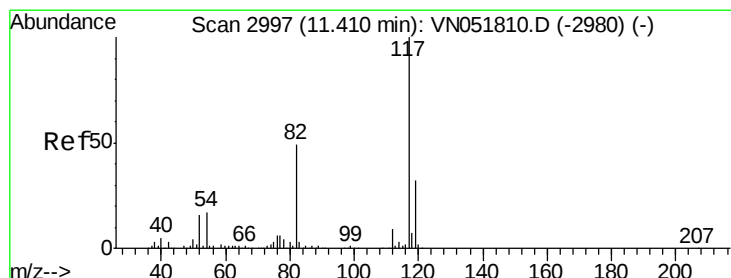
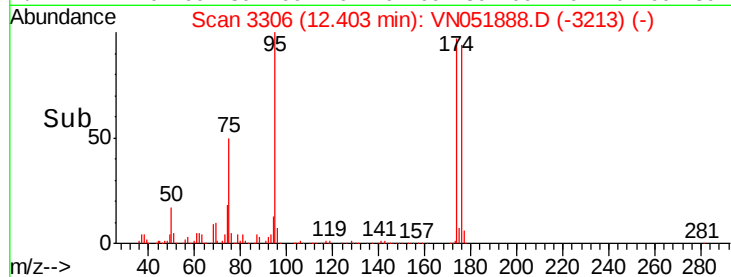
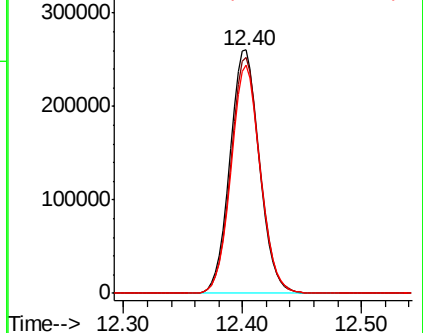
176 93.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN051810.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051810.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051810.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

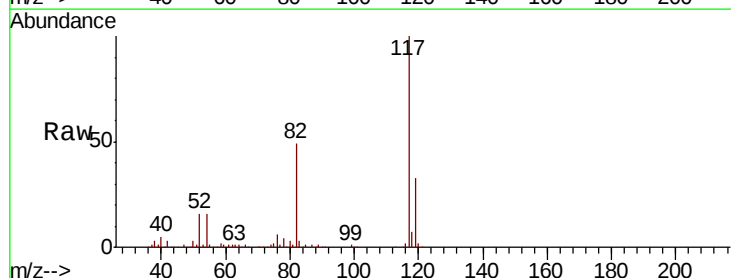
Tgt Ion: 117 Resp: 1031645

Ion Ratio Lower Upper

117 100

82 48.7 42.6 64.0

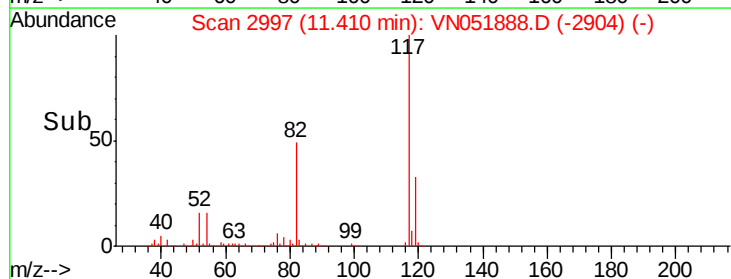
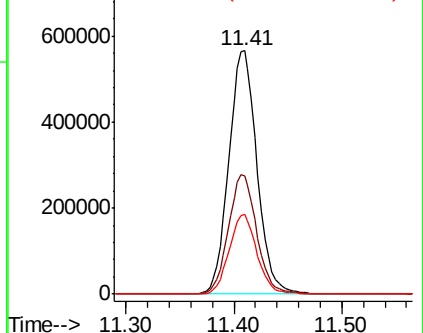
119 32.5 25.8 38.6

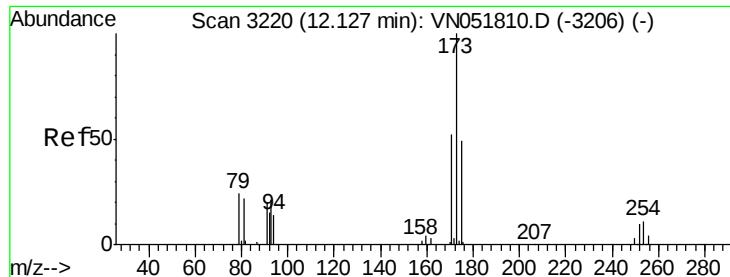


Abundance Ion 116.90 (116.60 to 117.60): VN051810.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051810.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051810.D (-2980) (-)





#71

Bromoform

Concen: 4.069 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

PB113865ZHE#03

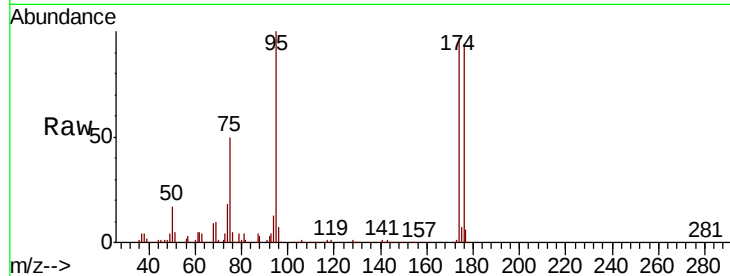
Tgt Ion:173 Resp: 3304

Ion Ratio Lower Upper

173 100

175 822.5 24.4 73.4#

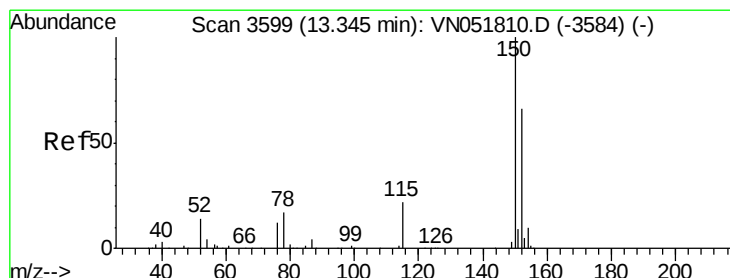
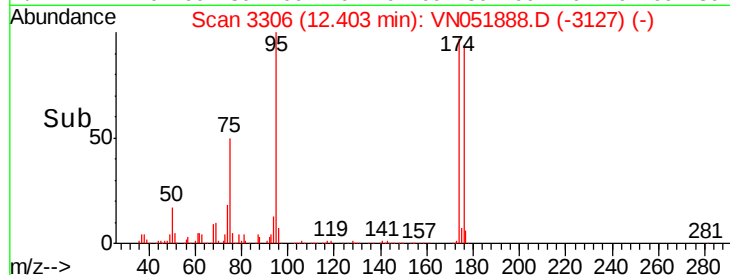
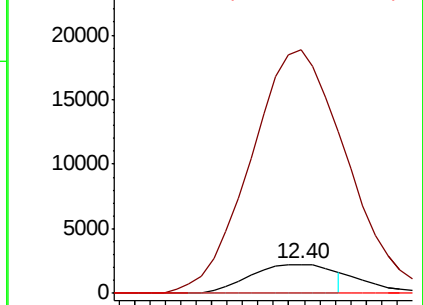
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

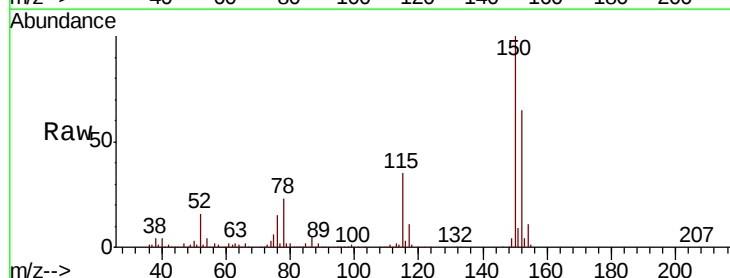
Tgt Ion:152 Resp: 344836

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

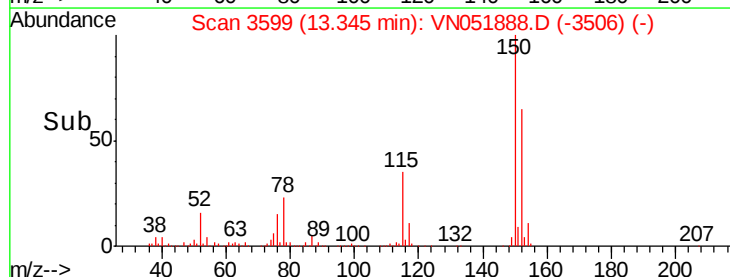
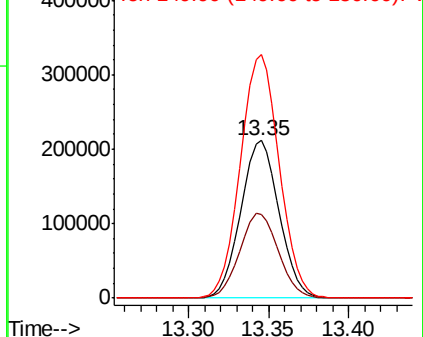
150 157.0 0.0 351.4

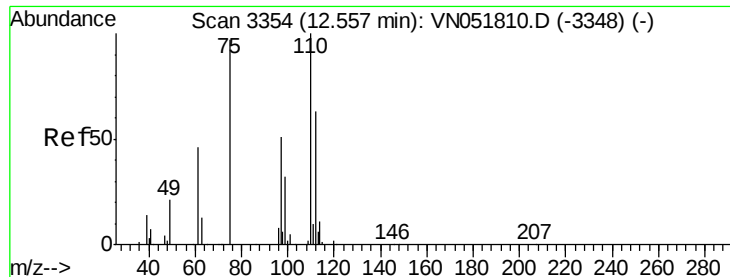


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 52.972 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

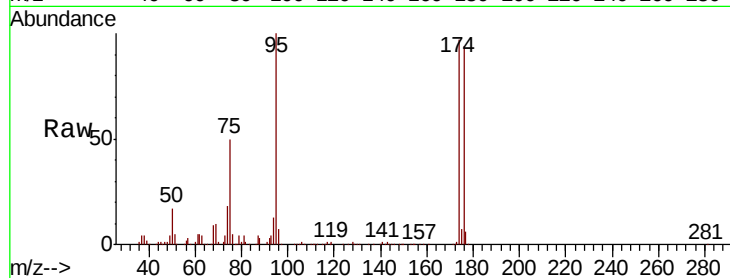
PB113865ZHE#03

Tgt Ion: 75 Resp: 225261

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

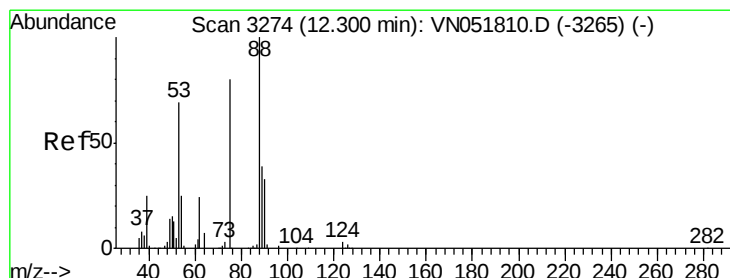
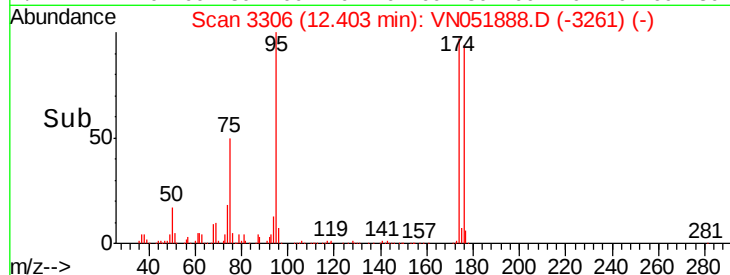
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 150.428 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051888.D

Acq: 16 Oct 2018 12:00

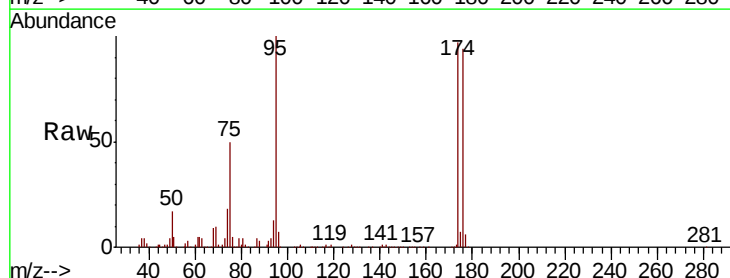
Tgt Ion: 75 Resp: 225261

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

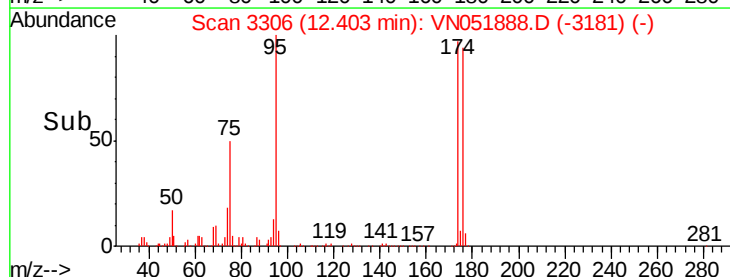
150000

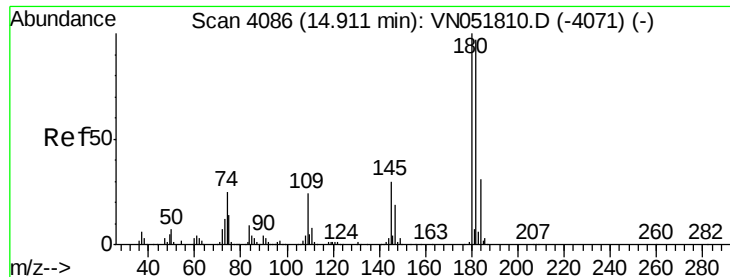
100000

50000

0

Time--> 12.30 12.40 12.50

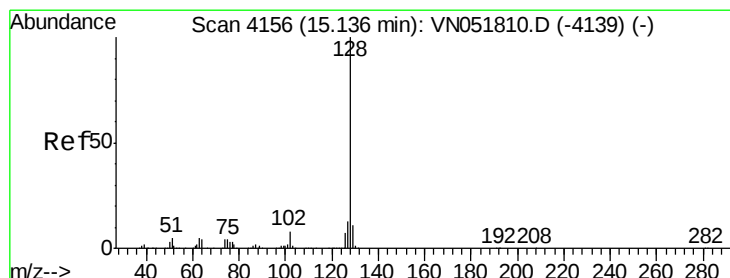
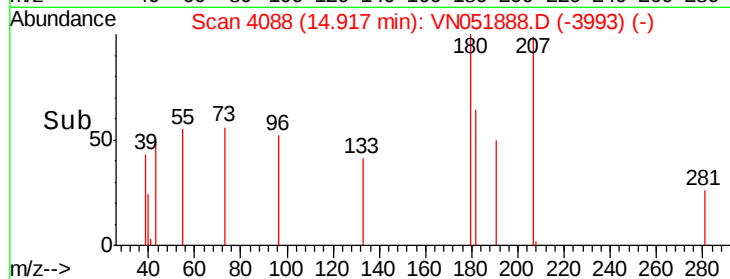
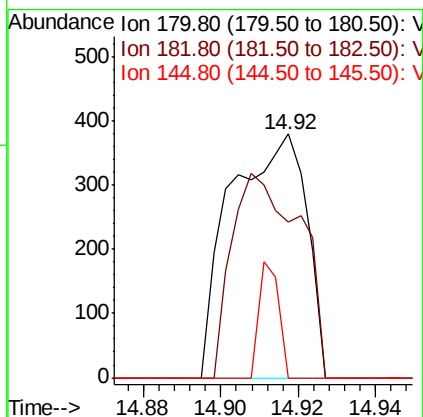
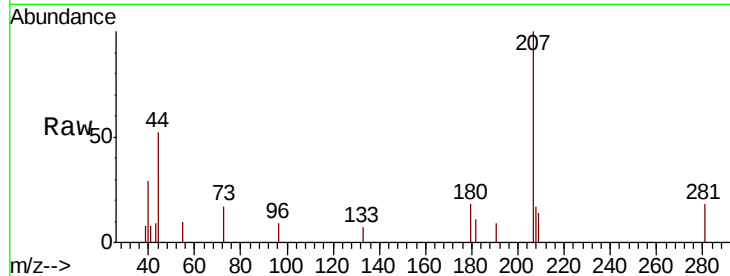




#93
 1,2,4-Trichlorobenzene
 Concen: 3.737 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

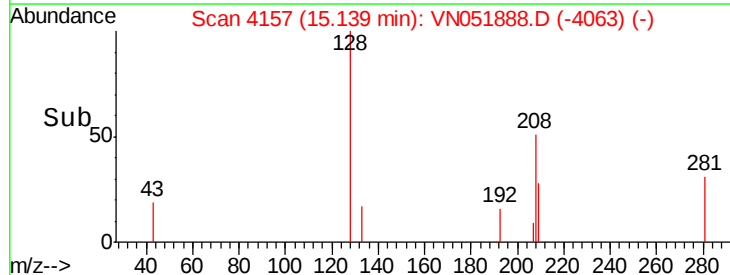
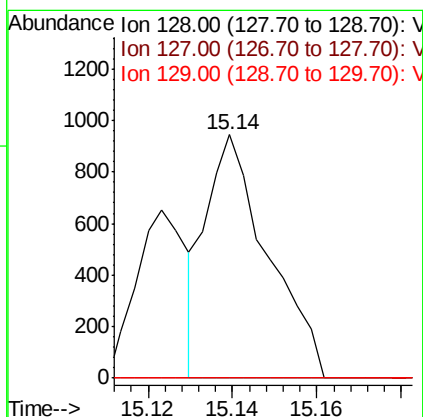
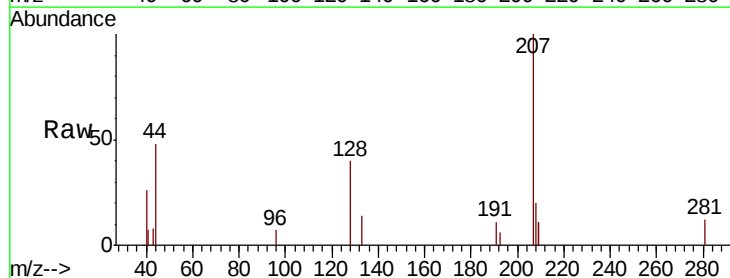
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113865ZHE#03

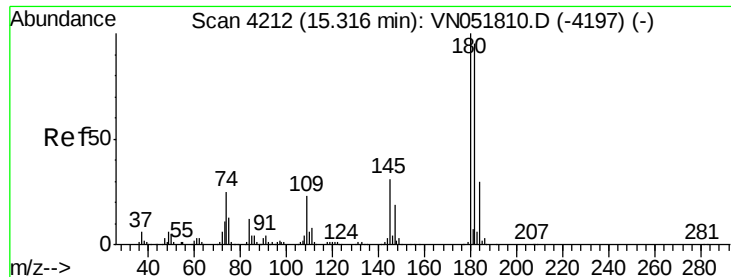
Tgt Ion:180 Resp: 517
 Ion Ratio Lower Upper
 180 100
 182 75.4 48.2 144.6
 145 12.6 14.1 42.2#



#95
 Naphthalene
 Concen: 4.465 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

Tgt Ion:128 Resp: 956
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.867 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051888.D
 Acq: 16 Oct 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113865ZHE#03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	300.0	48.0	144.2#
145	0.0	15.2	45.6#

