

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051850.D
 Acq On : 12 Oct 2018 23:13
 Operator : MD\SY
 Sample : PB113779ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#03

Quant Time: Oct 13 02:09:37 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	844896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1210449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1063415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	384776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	453281	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
35) Dibromofluoromethane	7.59	113	445198	59.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.30%	
50) Toluene-d8	10.09	98	1667415	59.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.90%	
62) 4-Bromofluorobenzene	12.40	95	483639	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

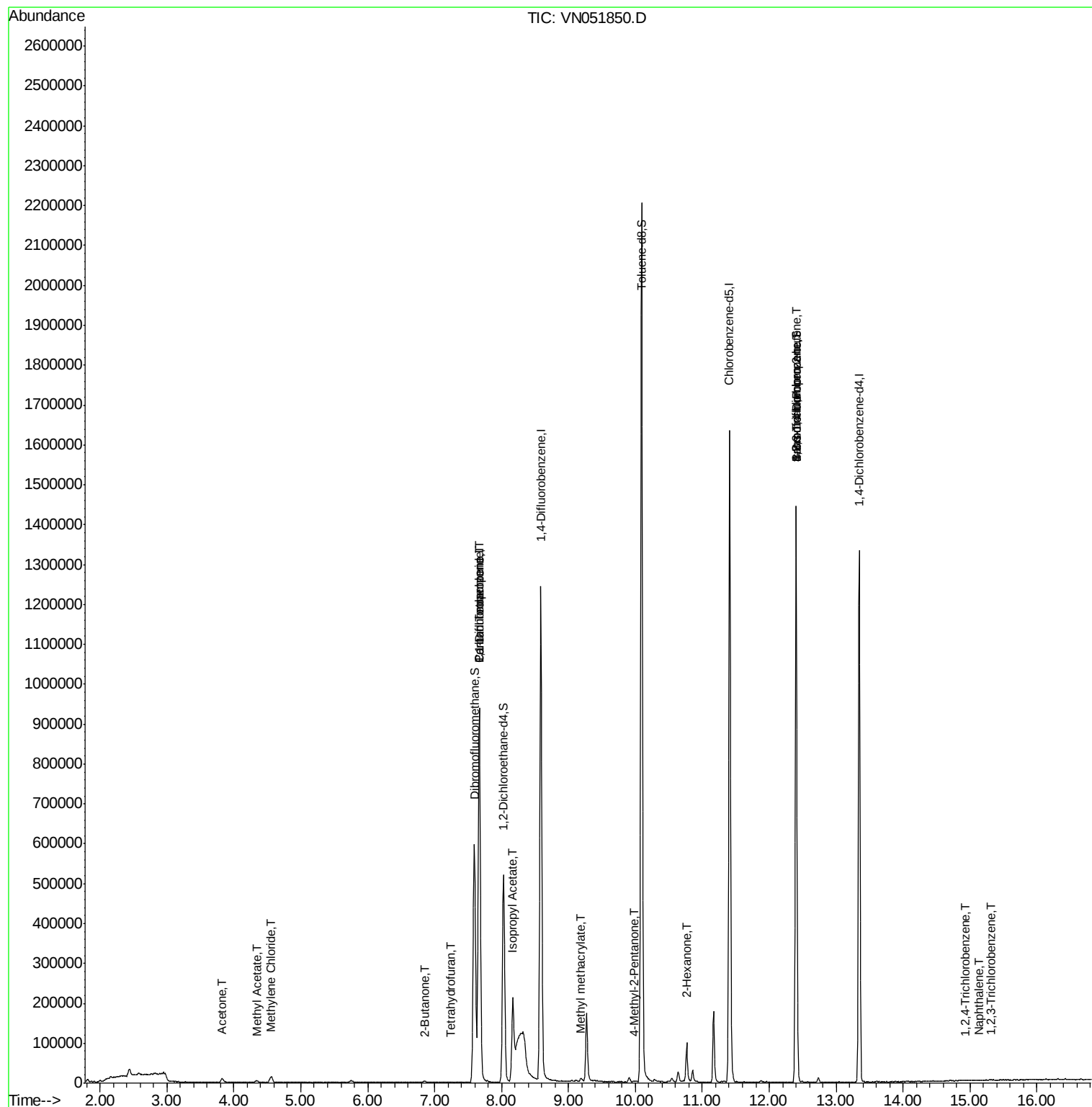
					Qvalue	
16) Acetone	3.82	43	15663	8.993	ug/l	100
18) Methyl Acetate	4.34	43	7765	0.627	ug/l #	79
20) Methylene Chloride	4.55	84	11718	1.626	ug/l #	84
25) 2-Butanone	6.85	43	1581	0.642	ug/l	95
29) Tetrahydrofuran	7.23	42	1286	0.877	ug/l #	38
31) Cyclohexane	7.67	56	14301	Below Cal	#	12
36) 1,1-Dichloropropene	7.67	75	52566	5.364	ug/l #	51
38) Carbon Tetrachloride	7.67	117	76043	6.694	ug/l #	16
43) Isopropyl Acetate	8.17	43	252440	24.867	ug/l	96
48) Methyl methacrylate	9.18	41	4842	1.080	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	1410	0.270	ug/l	96
59) 2-Hexanone	10.76	43	13626	3.715	ug/l #	55
71) Bromoform	12.40	173	3491	4.081	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	243711	51.348	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	243711	145.855	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	67	3.664	ug/l #	12
95) Naphthalene	15.14	128	452	4.425	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	32	2.862	ug/l #	1

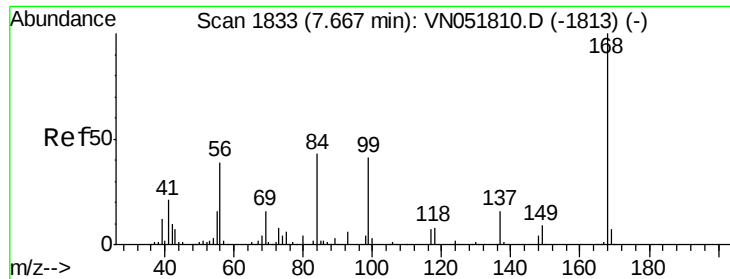
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051850.D

Acq: 12 Oct 2018 23:13

Instrument :

MSVOA_N

ClientSampleId :

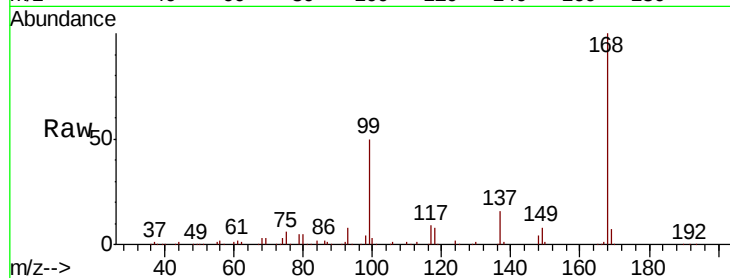
PB113779ZHE#03

Tot Ion:168 Resp: 844896

Ion Ratio Lower Upper

168 100

99 49.6 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

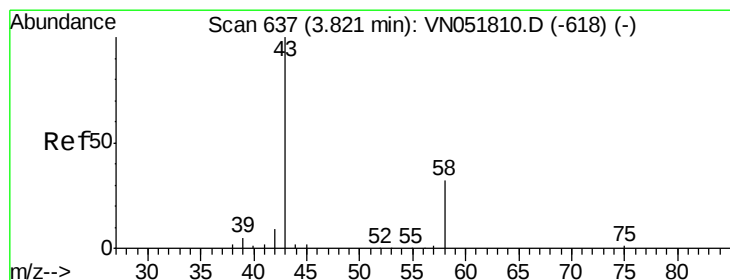
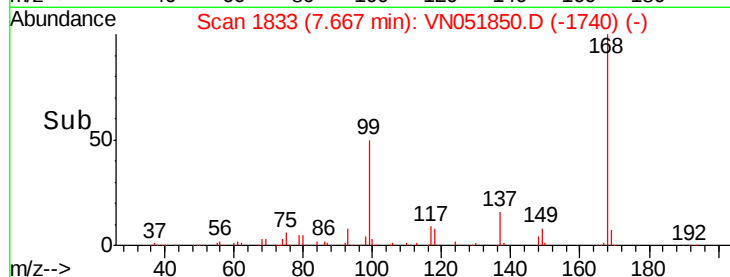
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 8.993 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051850.D

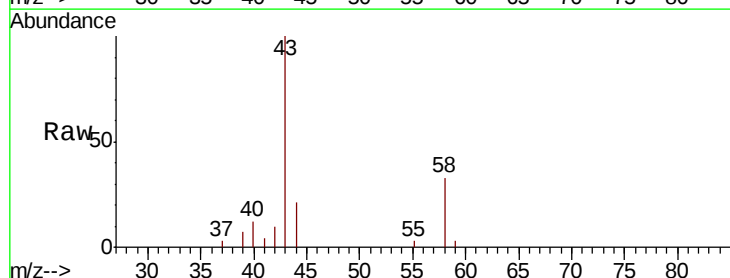
Acq: 12 Oct 2018 23:13

Tgt Ion: 43 Resp: 15663

Ion Ratio Lower Upper

43 100

58 33.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

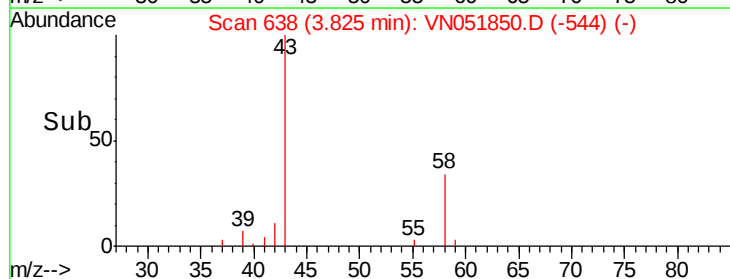
6000

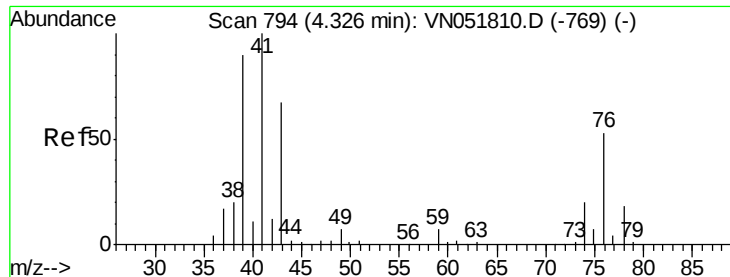
4000

2000

0

Time-->

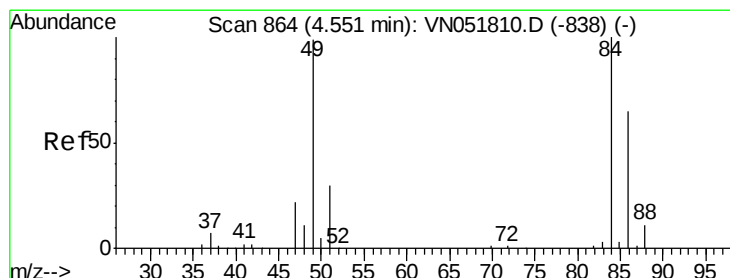
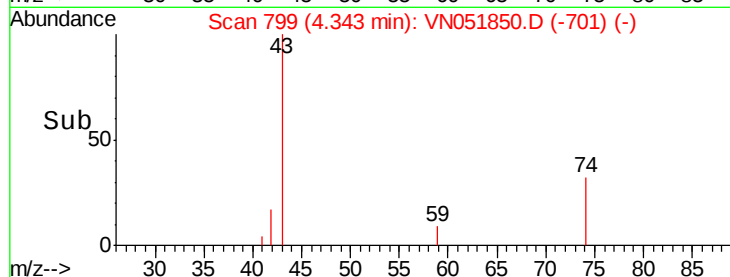
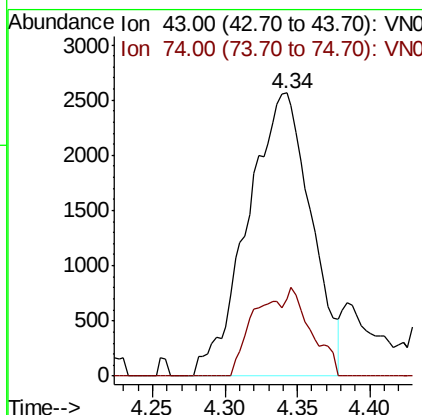
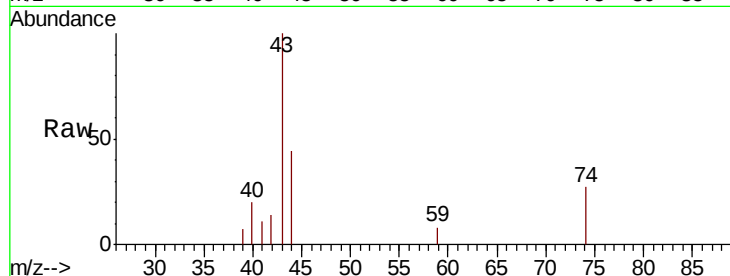




#18
Methyl Acetate
Concen: 0.627 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

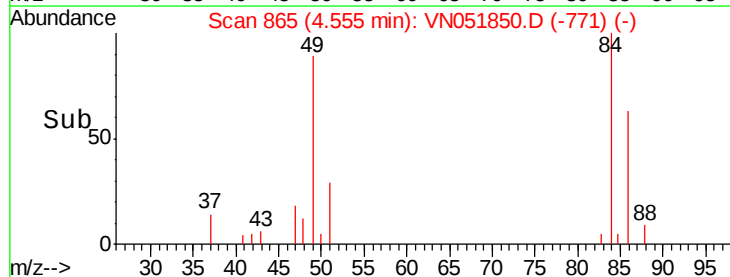
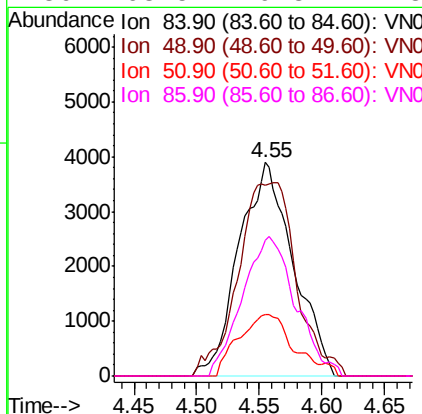
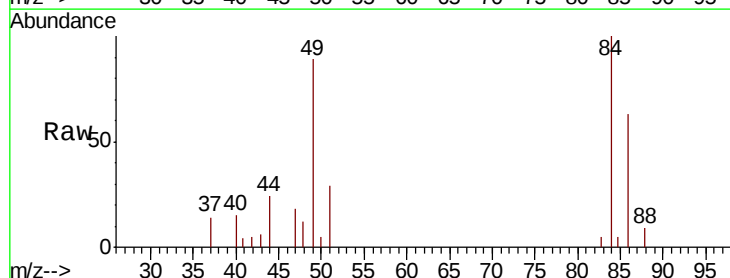
Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#03

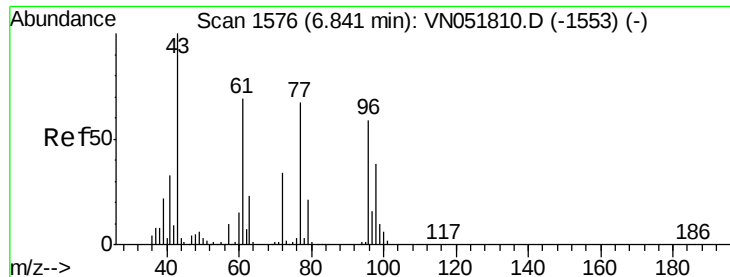
Tot Ion: 43 Resp: 7765
Ion Ratio Lower Upper
43 100
74 14.3 19.8 29.8#



#20
Methylene Chloride
Concen: 1.626 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Tgt Ion: 84 Resp: 11718
Ion Ratio Lower Upper
84 100
49 89.4 93.2 139.8#
51 29.0 29.0 43.6#
86 63.5 49.8 74.8

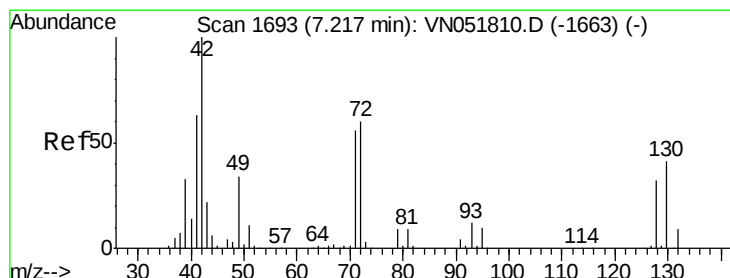
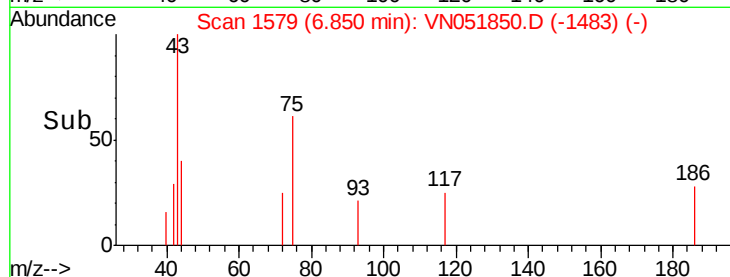
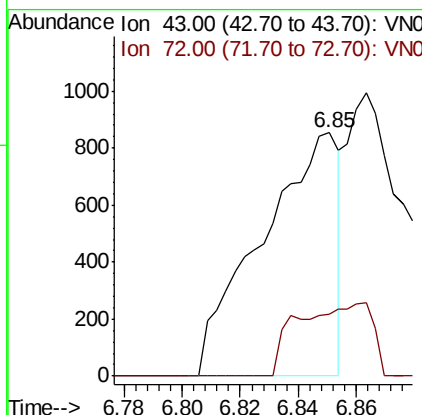
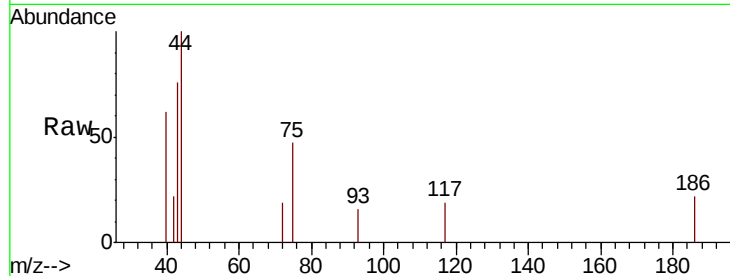




#25
2-Butanone
Concen: 0.642 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

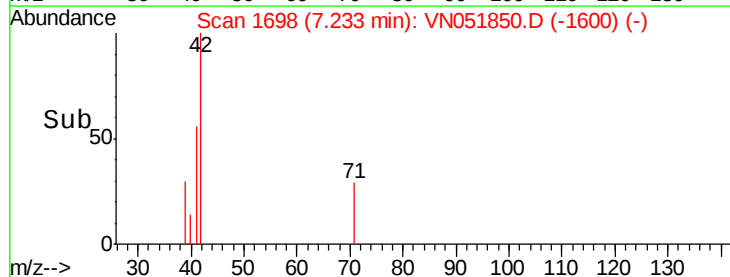
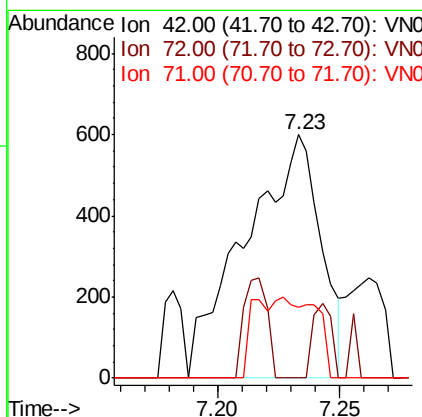
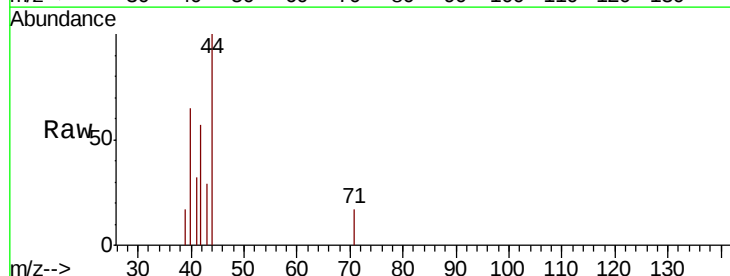
Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#03

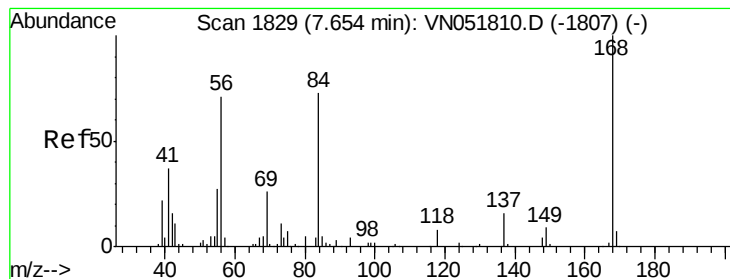
Tot Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
72 25.4 22.3 33.5



#29
Tetrahydrofuran
Concen: 0.877 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.02 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Tgt Ion: 42 Resp: 1286
Ion Ratio Lower Upper
42 100
72 7.4 35.5 53.3#
71 0.0 33.7 50.5#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN051850.D

Acq: 12 Oct 2018 23:13

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#03

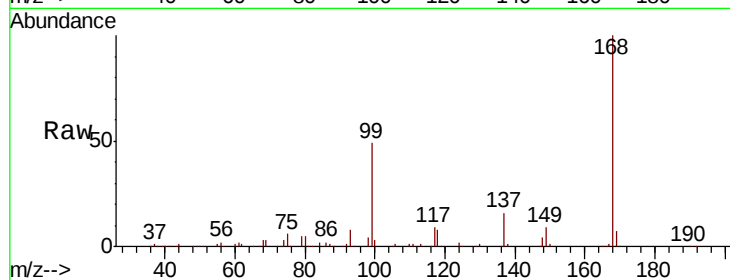
Tot Ion: 56 Resp: 14301

Ion Ratio Lower Upper

56 100

69 172.4 26.2 39.4#

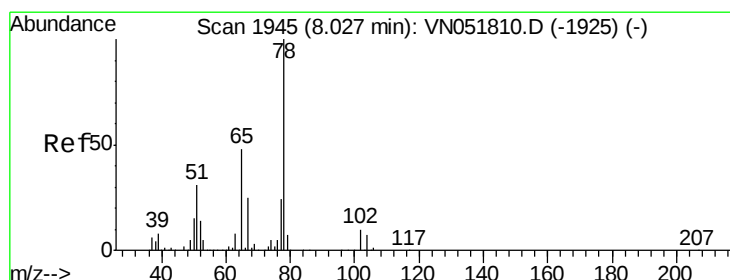
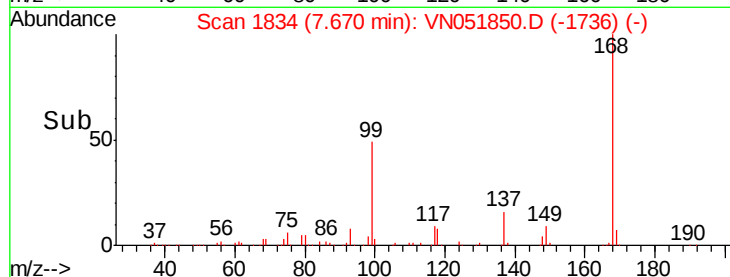
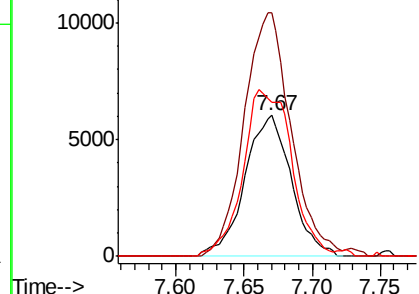
84 109.3 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051850.D

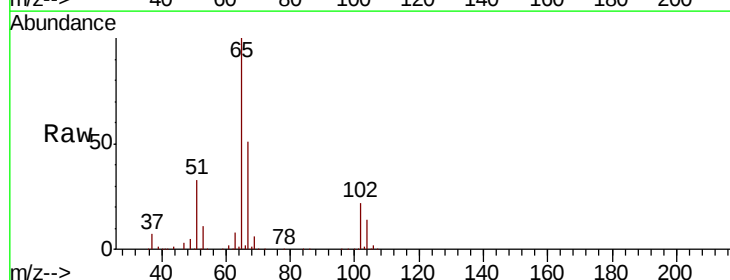
Acq: 12 Oct 2018 23:13

Tgt Ion: 65 Resp: 453281

Ion Ratio Lower Upper

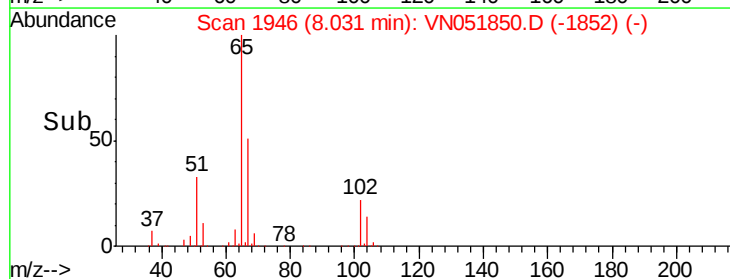
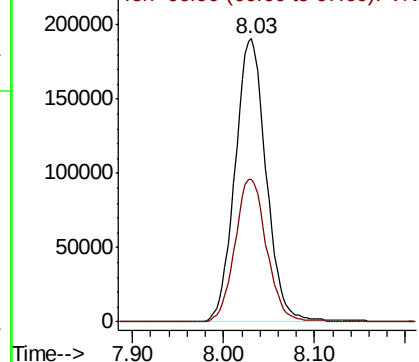
65 100

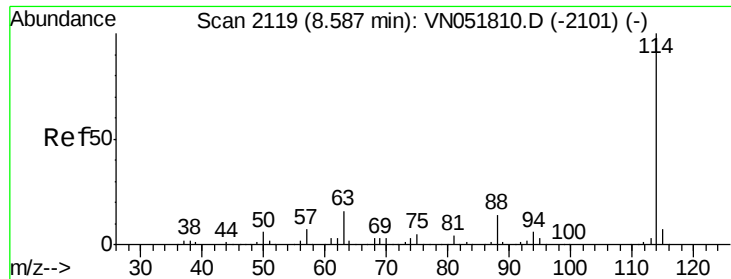
67 51.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC



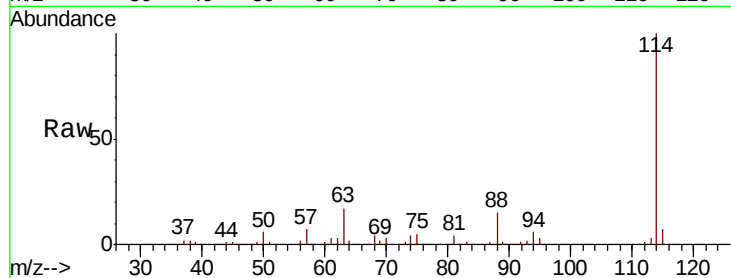


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051850.D
 Acq: 12 Oct 2018 23:13

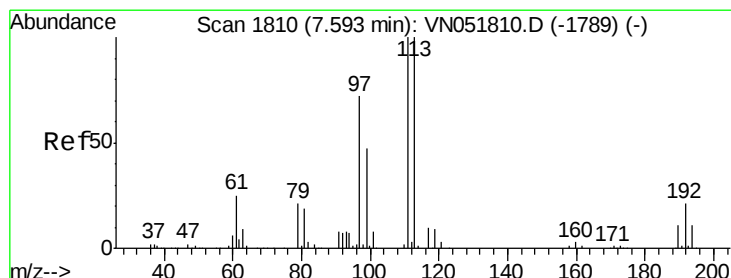
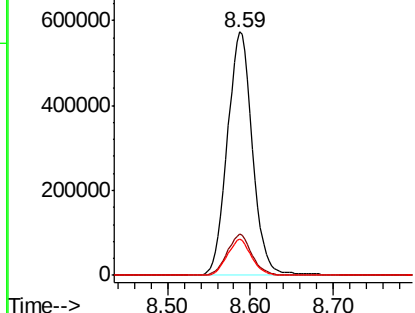
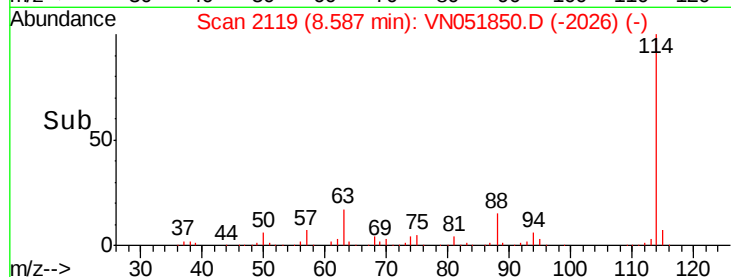
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#03

Tot Ion:114 Resp: 1210449

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	38.6
88	14.7	0.0	30.6



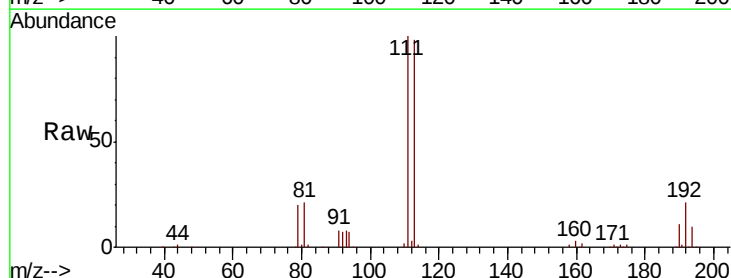
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V



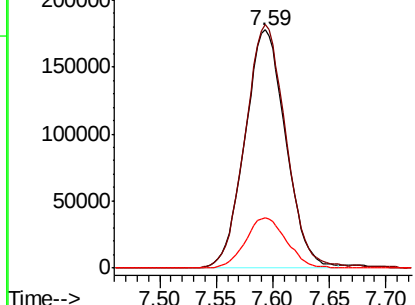
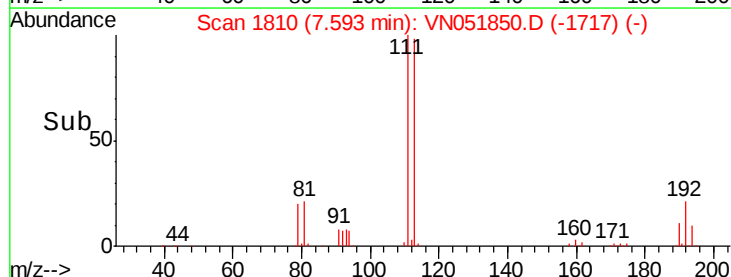
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051850.D
 Acq: 12 Oct 2018 23:13

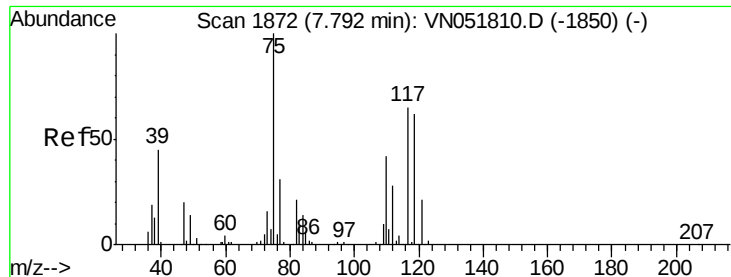
Tgt Ion:113 Resp: 445198

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	21.4	18.0	27.0



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

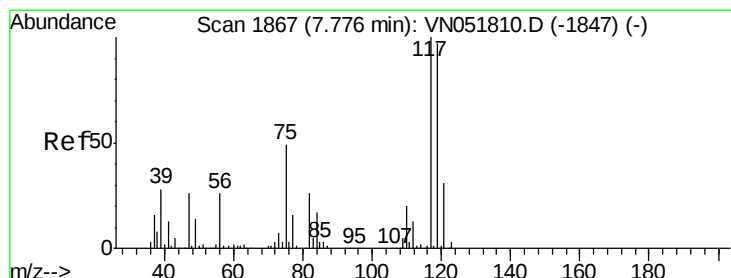
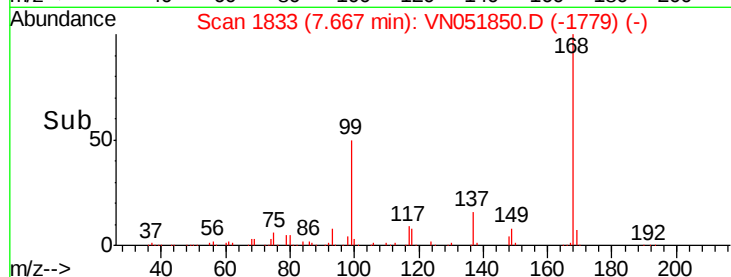
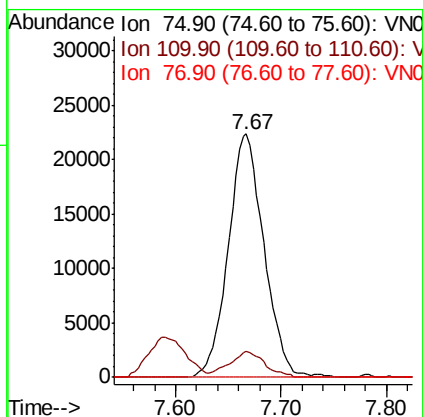
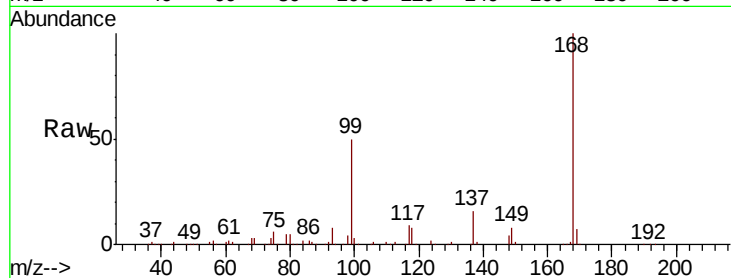




#36
 1,1-Dichloropropene
 Concen: 5.364 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051850.D
 Acq: 12 Oct 2018 23:13

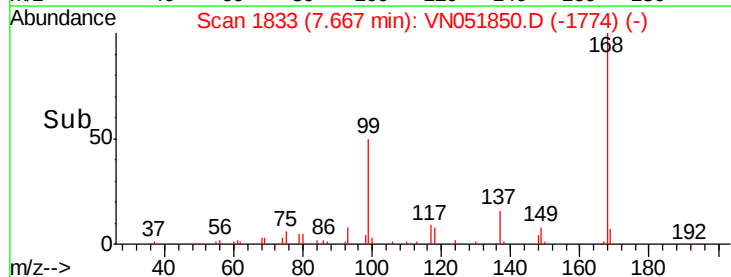
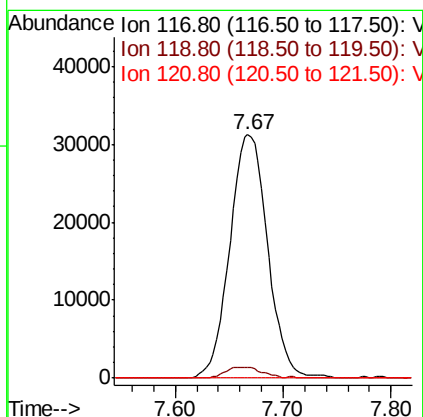
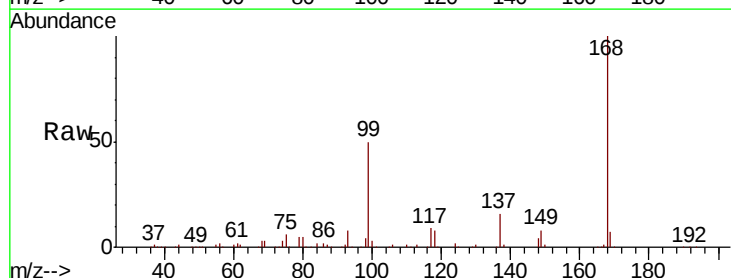
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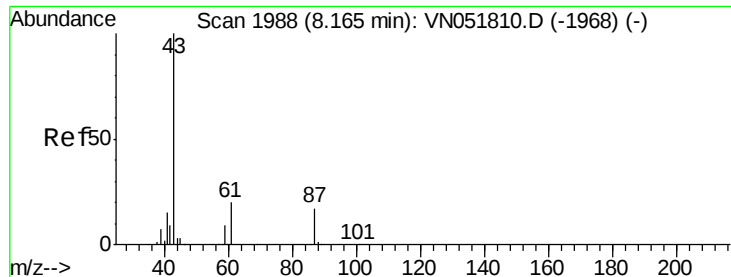
Tot Ion: 75 Resp: 52566
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.4#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.694 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051850.D
 Acq: 12 Oct 2018 23:13

Tgt Ion: 117 Resp: 76043
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 24.867 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051850.D

Acq: 12 Oct 2018 23:13

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#03

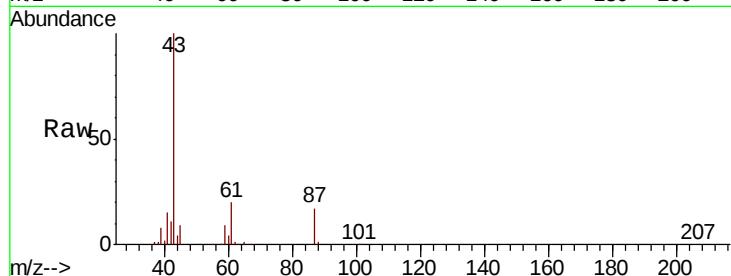
Tot Ion: 43 Resp: 252440

Ion Ratio Lower Upper

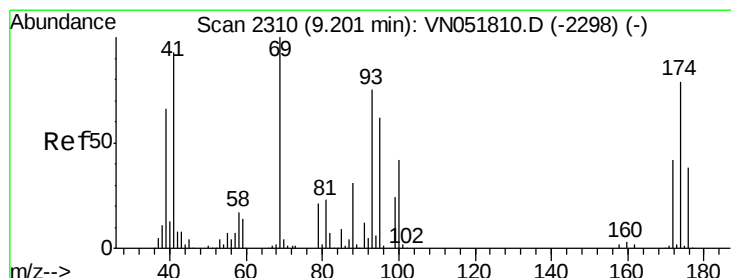
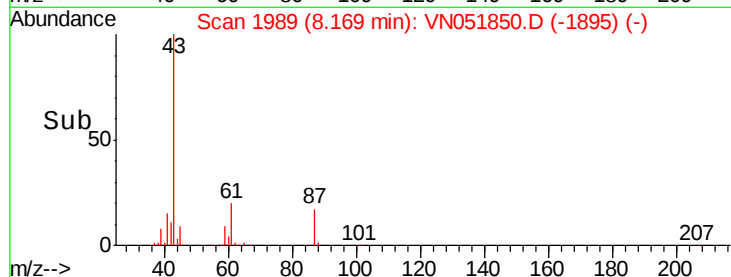
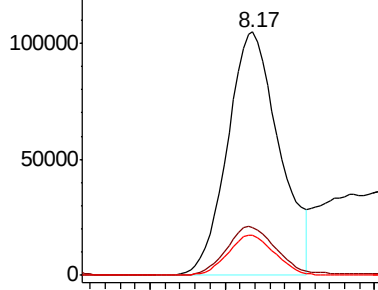
43 100

61 19.5 17.5 26.3

87 15.1 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 1.080 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051850.D

Acq: 12 Oct 2018 23:13

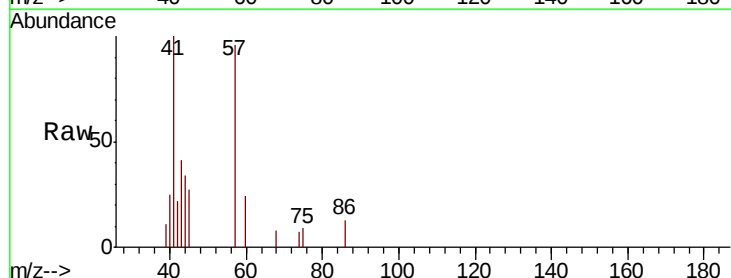
Tgt Ion: 41 Resp: 4842

Ion Ratio Lower Upper

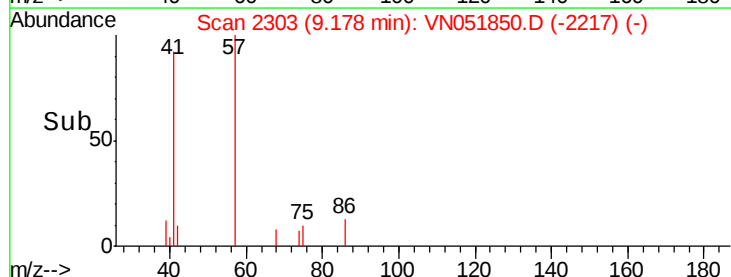
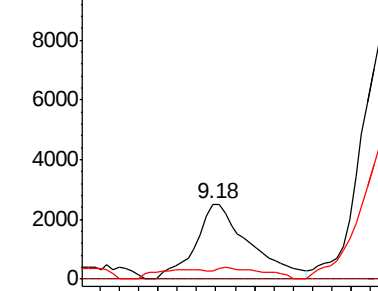
41 100

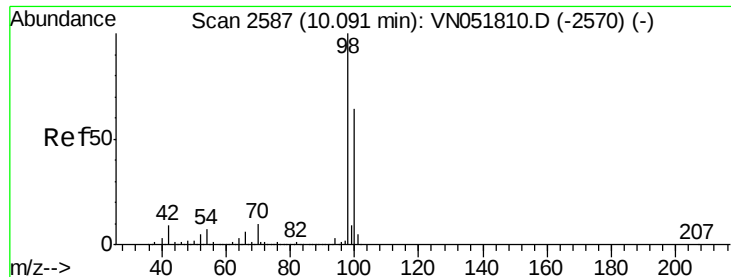
69 0.0 74.7 112.1#

39 13.0 42.2 63.2#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051850.D

Acq: 12 Oct 2018 23:13

Instrument :

MSVOA_N

ClientSampleId :

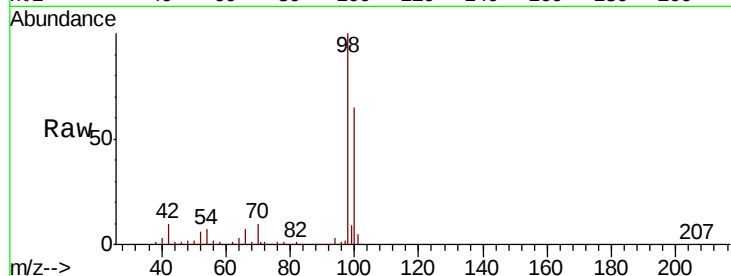
PB113779ZHE#03

Tot Ion: 98 Resp: 1667415

Ion Ratio Lower Upper

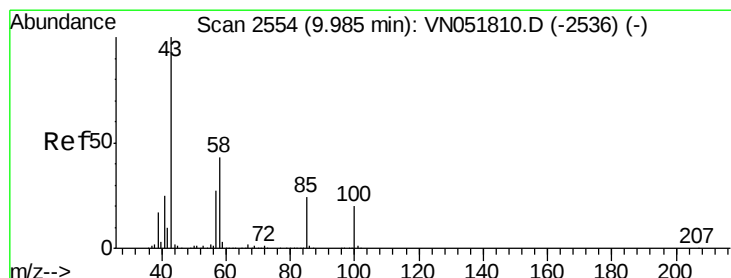
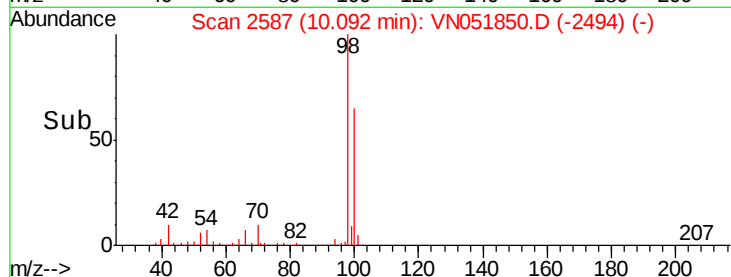
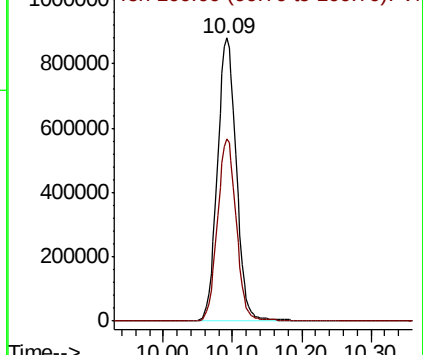
98 100

100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.270 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051850.D

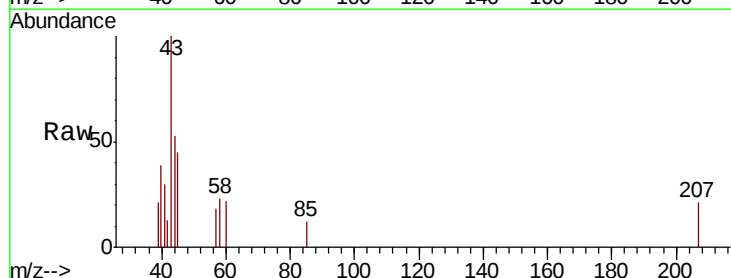
Acq: 12 Oct 2018 23:13

Tgt Ion: 43 Resp: 1410

Ion Ratio Lower Upper

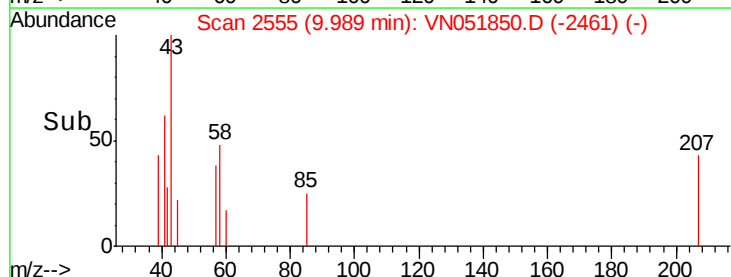
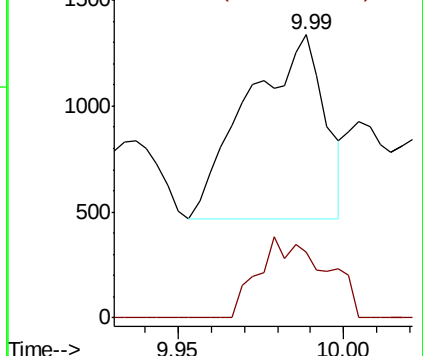
43 100

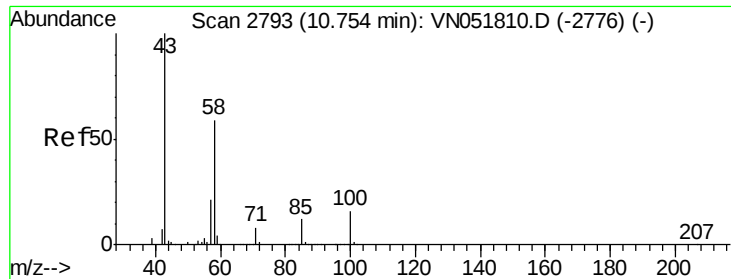
58 37.8 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

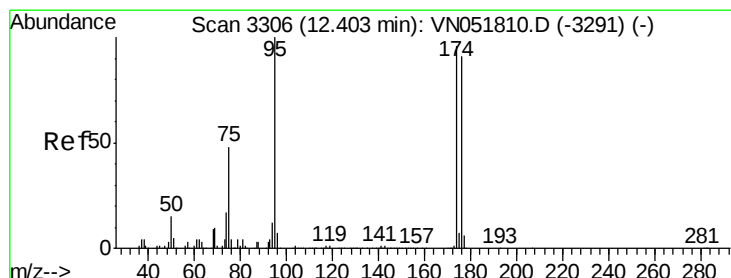
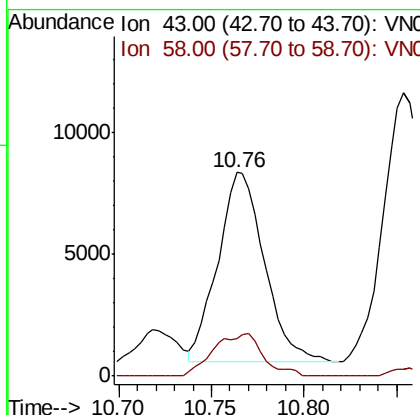
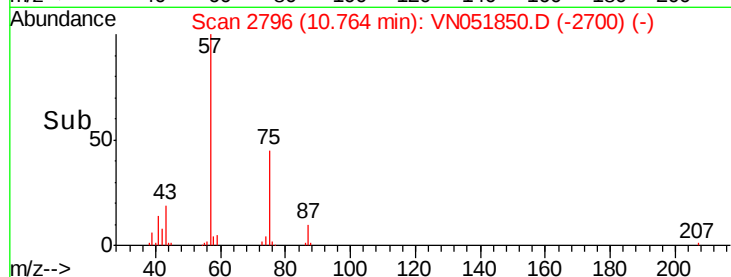
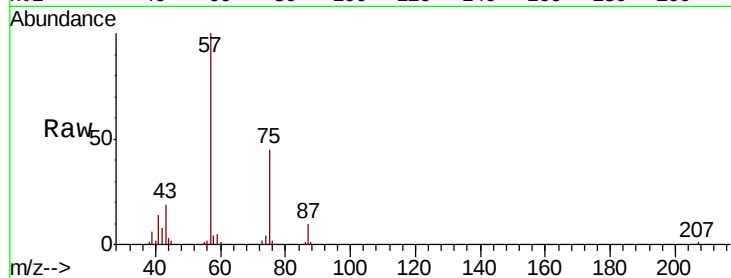




#59
2-Hexanone
Concen: 3.715 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

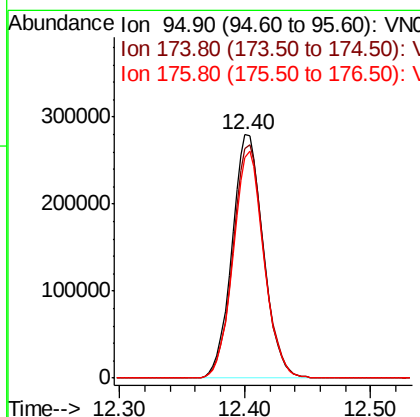
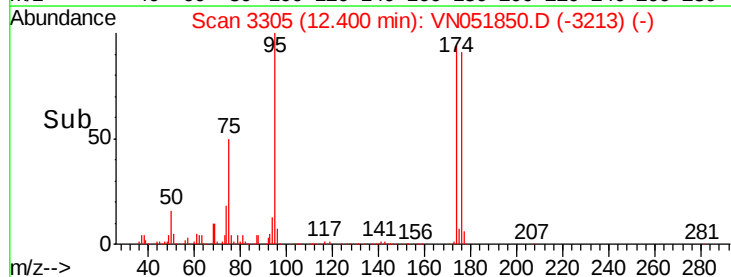
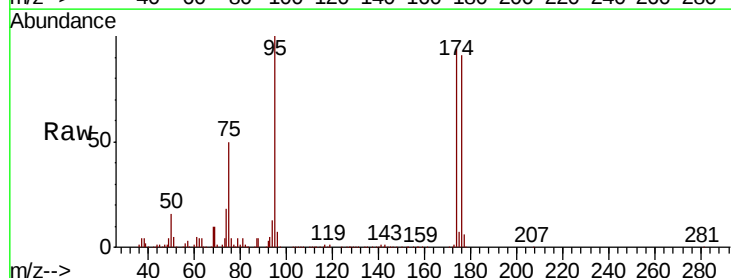
Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#03

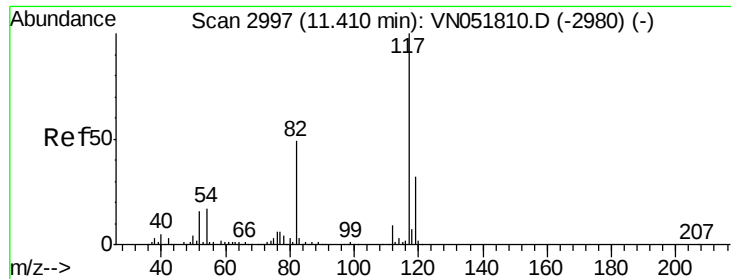
Tot Ion: 43 Resp: 13626
Ion Ratio Lower Upper
43 100
58 23.7 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Tgt Ion: 95 Resp: 483639
Ion Ratio Lower Upper
95 100
174 95.1 0.0 183.0
176 91.6 0.0 178.8

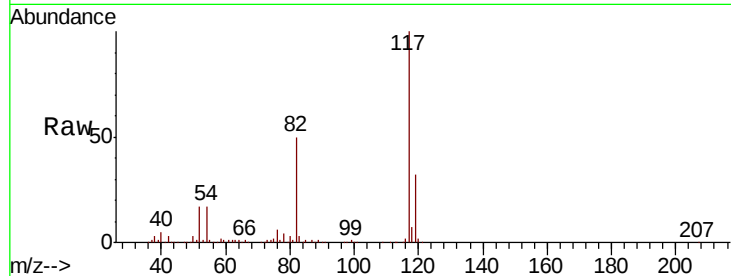




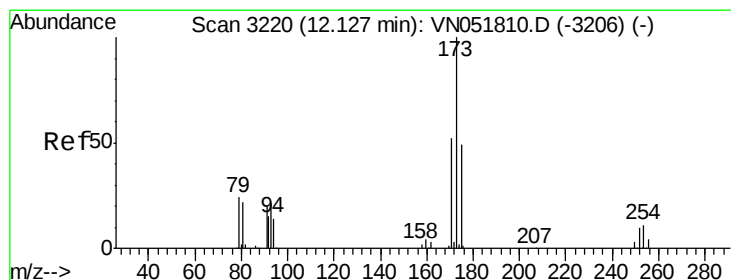
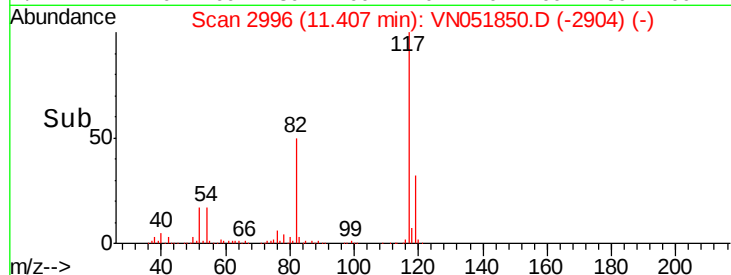
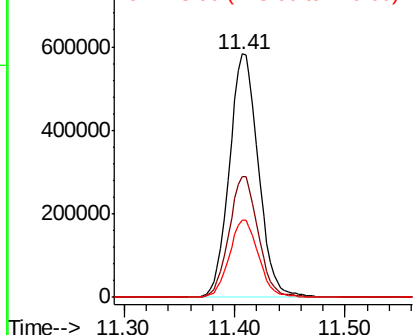
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#03

Tot Ion:117 Resp: 1063415
Ion Ratio Lower Upper
117 100
82 49.8 42.6 64.0
119 31.6 25.8 38.6

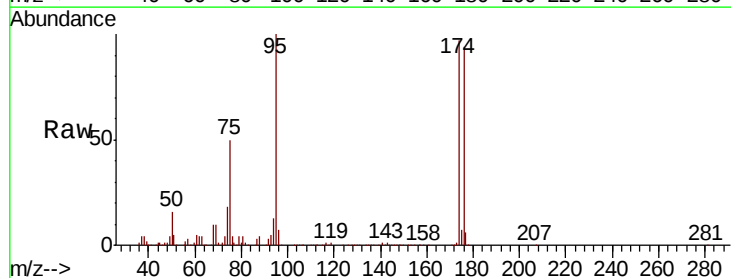


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

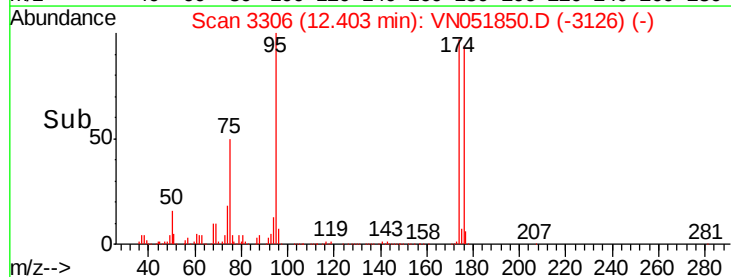
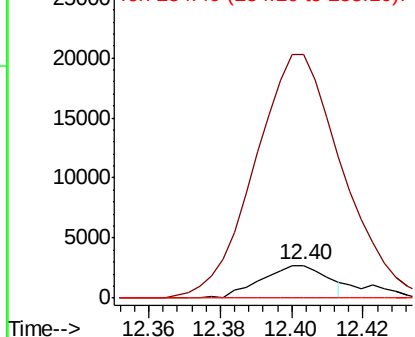


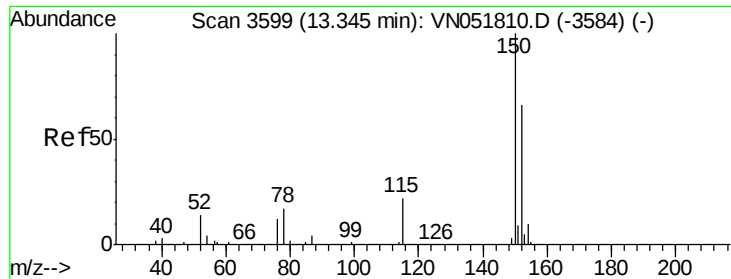
#71
Bromoform
Concen: 4.081 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Tgt Ion:173 Resp: 3491
Ion Ratio Lower Upper
173 100
175 840.7 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: VN051850.D

Acq: 12 Oct 2018 23:13

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#03

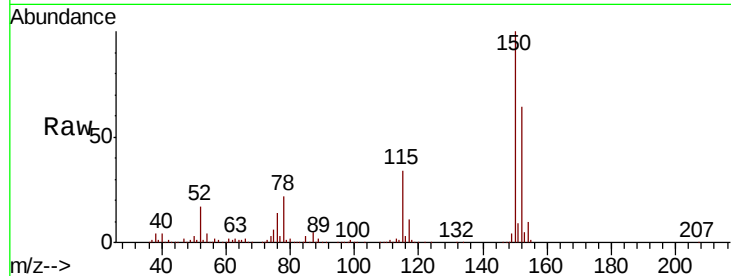
Tot Ion:152 Resp: 384776

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.4

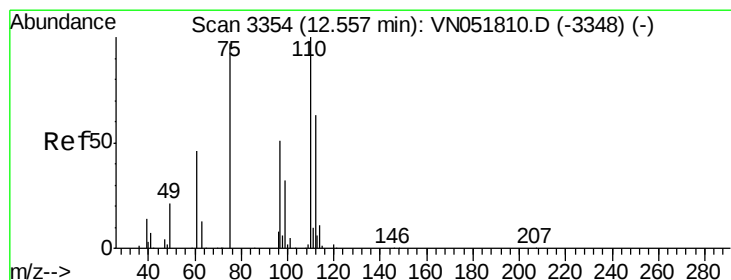
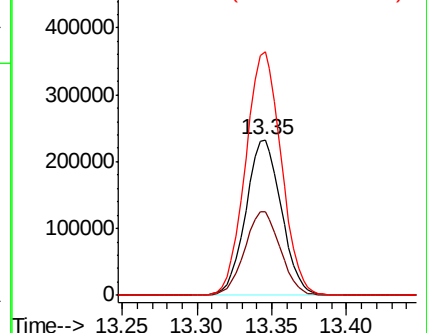
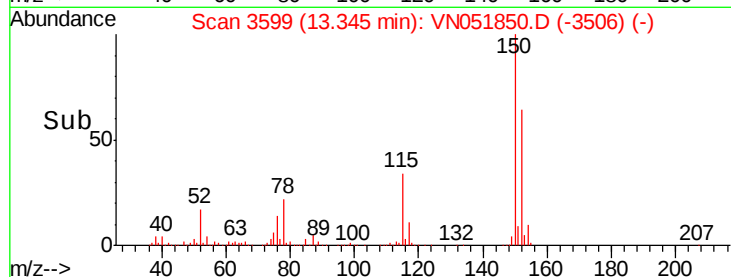
150 157.2 0.0 351.4



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: 51.348 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051850.D

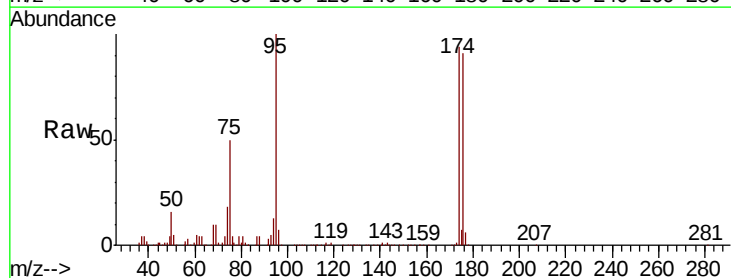
Acq: 12 Oct 2018 23:13

Tgt Ion: 75 Resp: 243711

Ion Ratio Lower Upper

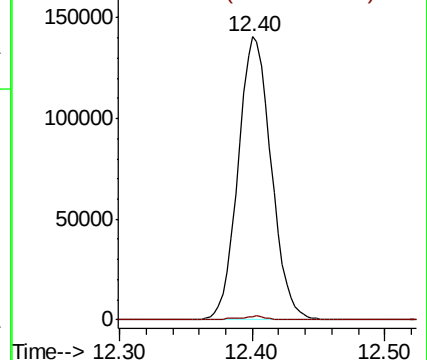
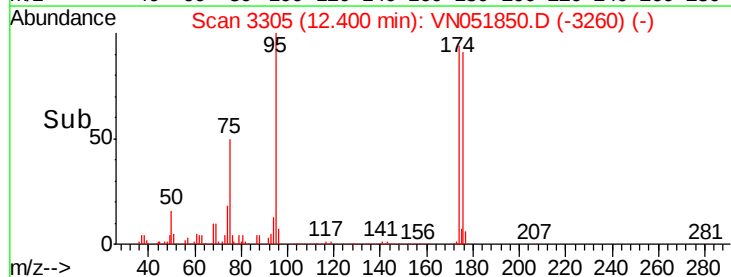
75 100

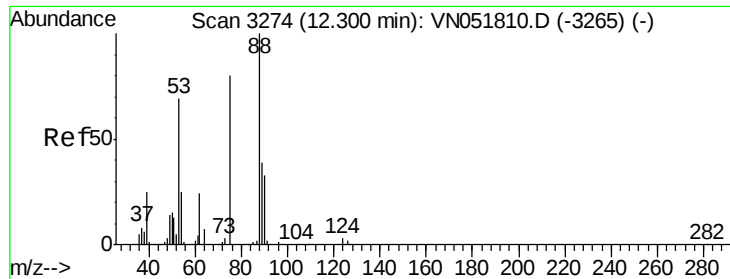
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 145.855 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051850.D

Acq: 12 Oct 2018 23:13

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#03

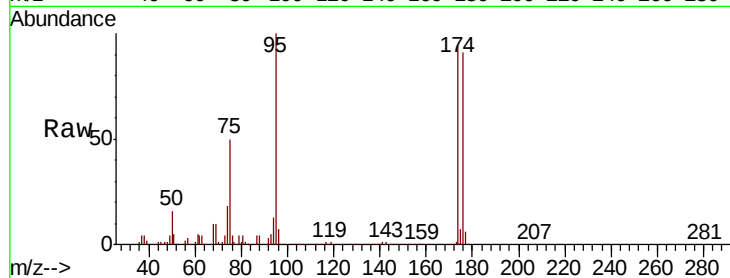
Tot Ion: 75 Resp: 243711

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

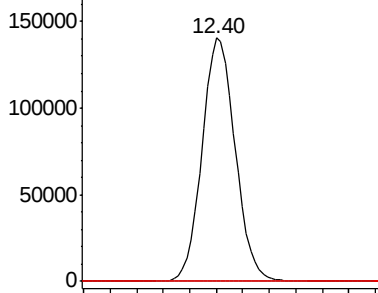
89 0.0 36.1 54.1#



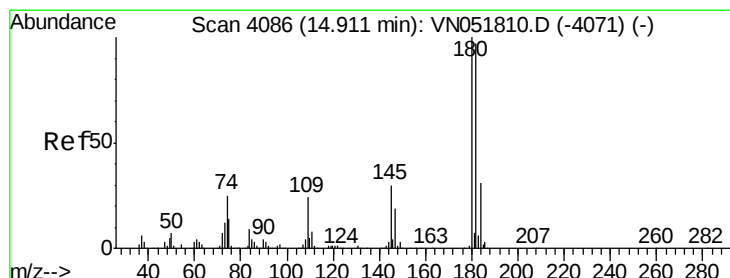
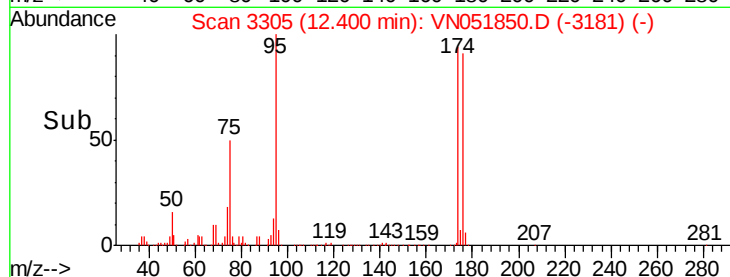
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50



#93

1,2,4-Trichlorobenzene

Concen: 3.664 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN051850.D

Acq: 12 Oct 2018 23:13

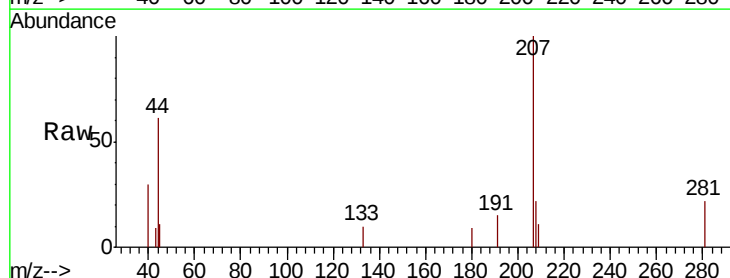
Tgt Ion:180 Resp: 67

Ion Ratio Lower Upper

180 100

182 0.0 48.2 144.6#

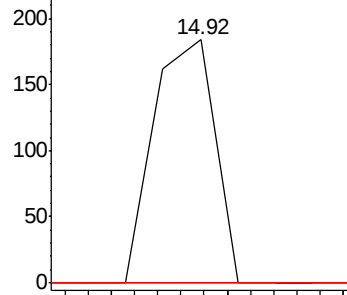
145 0.0 14.1 42.2#



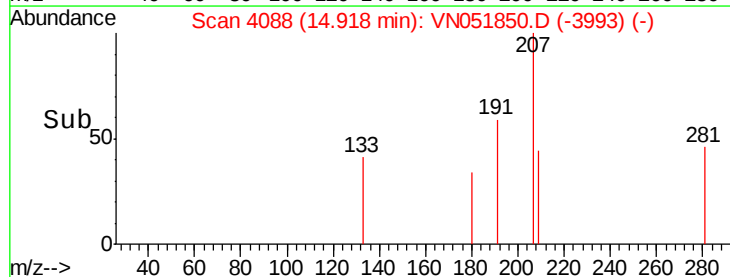
Abundance Ion 179.80 (179.50 to 180.50): V

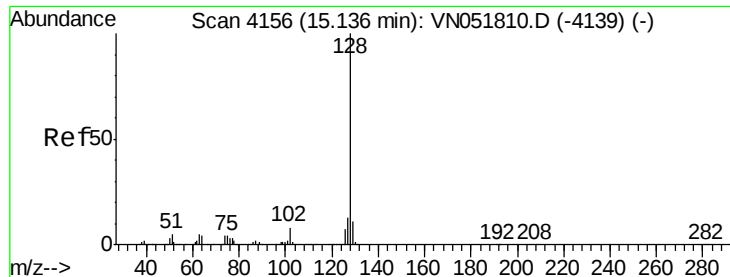
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time--> 14.91 14.92

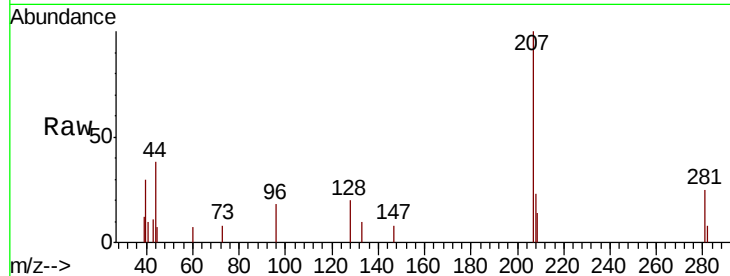




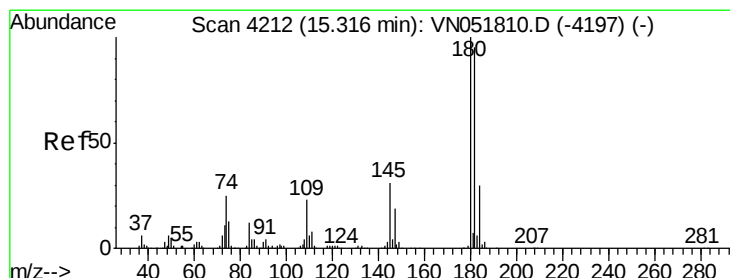
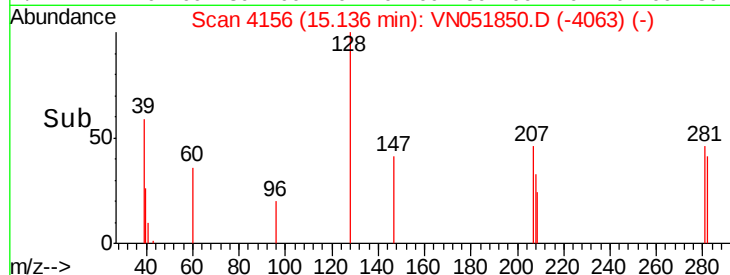
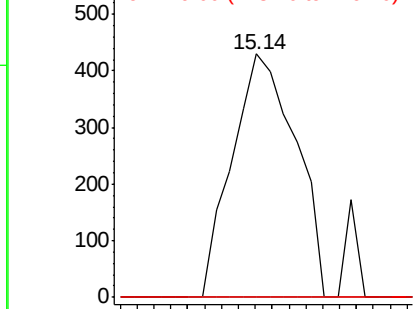
#95
Naphthalene
Concen: 4.425 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#03

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

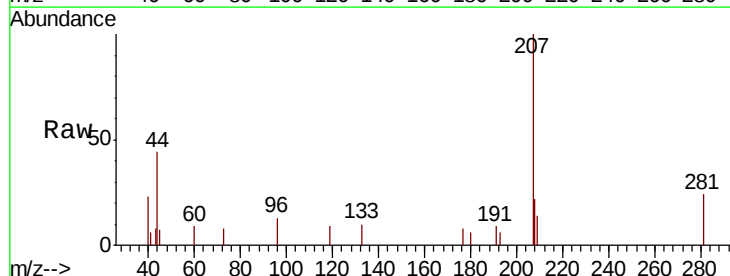


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.862 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN051850.D
Acq: 12 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	121.9	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

