

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052325.D
 Acq On : 14 Nov 2018 20:42
 Operator : MD\SY
 Sample : PB114787ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114787ZHE#07

Quant Time: Nov 15 03:29:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	299016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	505869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153500	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	210461	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	7.59	113	160961	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	629096	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	187673	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

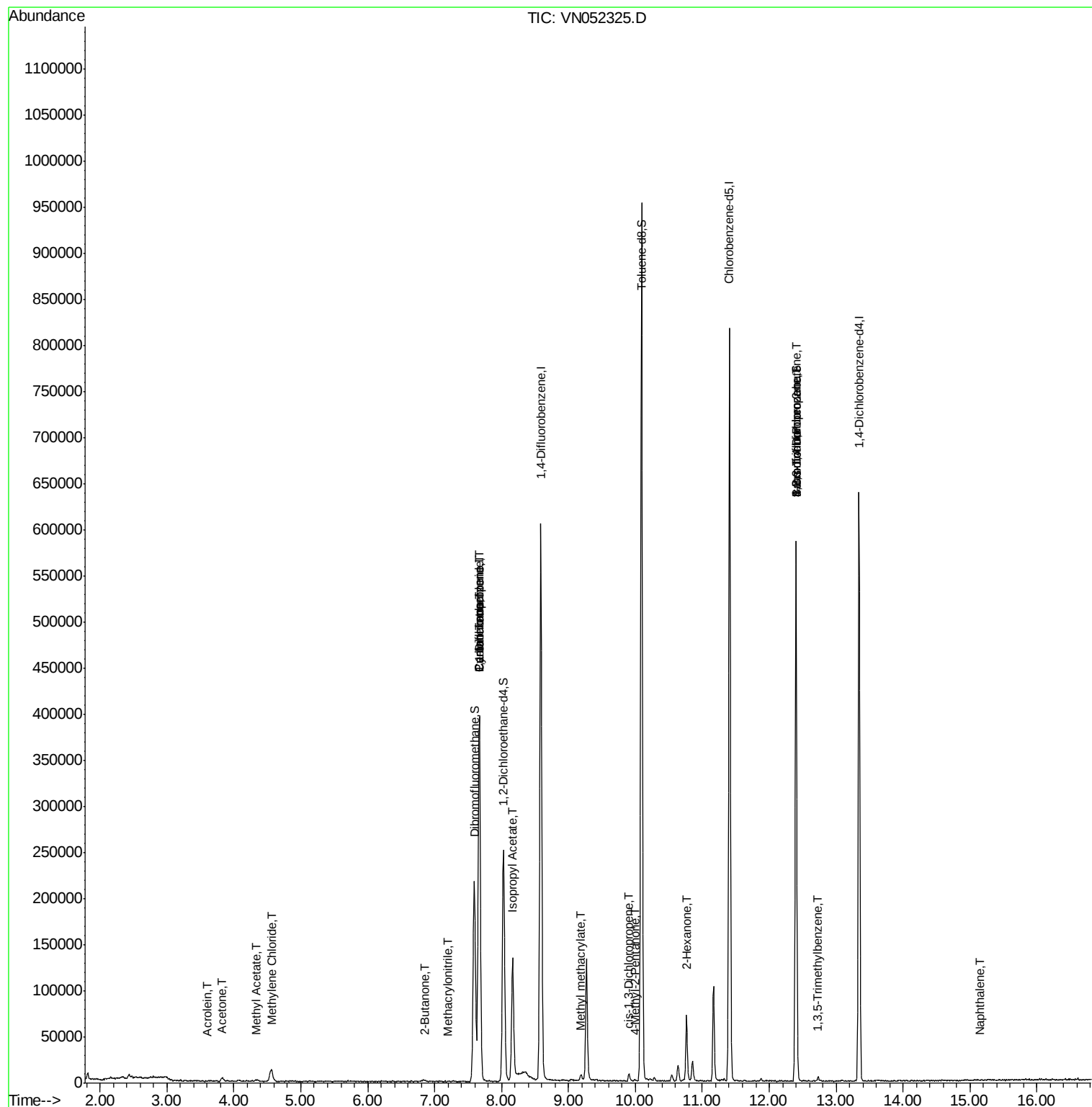
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	138	22.145	ug/l #	14
16) Acetone	3.82	43	5916	5.088	ug/l #	86
18) Methyl Acetate	4.33	43	3447	1.480	ug/l #	71
20) Methylene Chloride	4.55	84	8168	1.631	ug/l	87
25) 2-Butanone	6.85	43	449	0.274	ug/l #	52
31) Cyclohexane	7.67	56	8141	0.212	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	27068	5.339	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32056	6.882	ug/l #	15
41) Methacrylonitrile	7.19	41	223	3.796	ug/l #	100
43) Isopropyl Acetate	8.17	43	166863	23.500	ug/l	99
48) Methyl methacrylate	9.18	41	4305	1.195	ug/l #	25
51) 4-Methyl-2-Pentanone	9.99	43	763	0.213	ug/l #	64
54) cis-1,3-Dichloropropene	9.90	75	1190	0.212	ug/l #	58
59) 2-Hexanone	10.76	43	10849	4.413	ug/l #	59
71) Bromoform	12.39	173	424	0.233	ug/l #	27
76) 1,2,3-Trichloropropane	12.40	75	104952	40.295	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2549	0.260	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	104952	130.691	ug/l #	5
95) Naphthalene	15.14	128	166	2.633	ug/l #	69

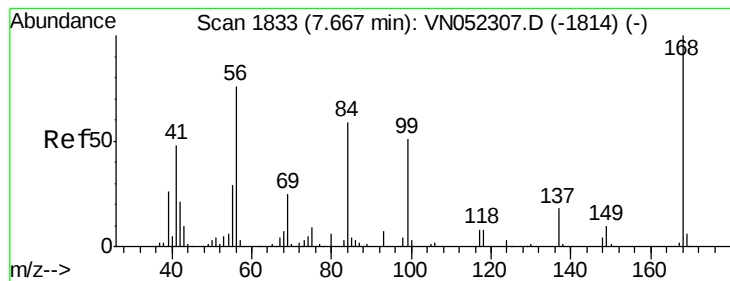
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111418\
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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 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: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

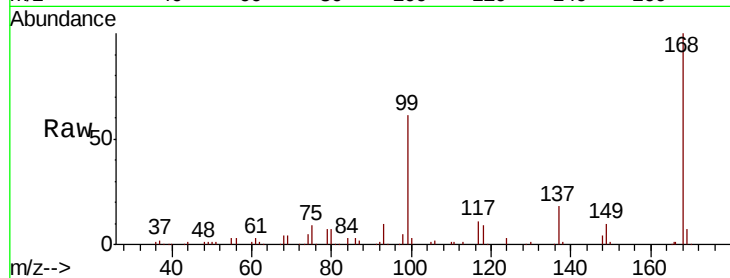
PB114787ZHE#07

Tot Ion:168 Resp: 299016

Ion Ratio Lower Upper

168 100

99 60.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

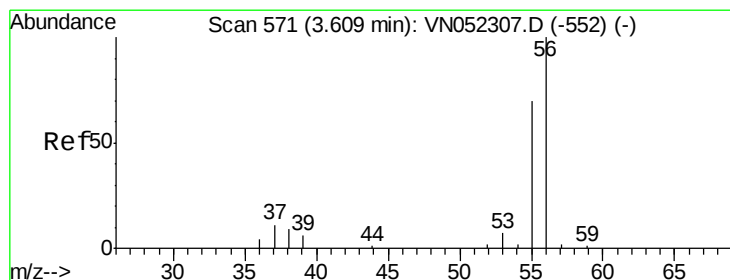
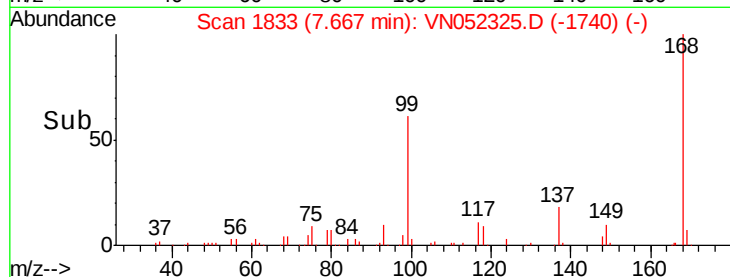
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 22.145 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN052325.D

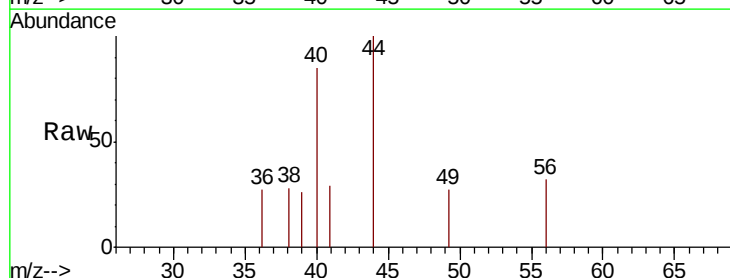
Acq: 14 Nov 2018 20:42

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.60

200

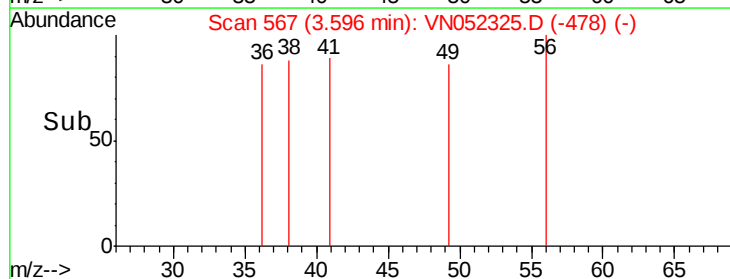
150

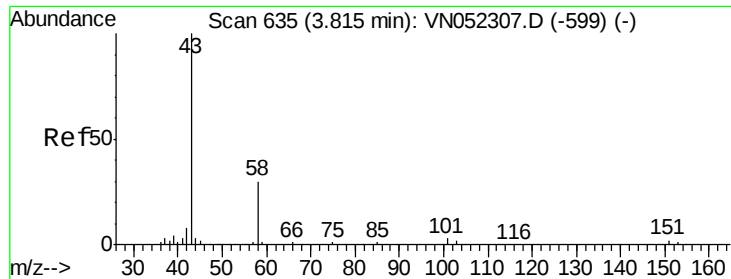
100

50

0

Time-->

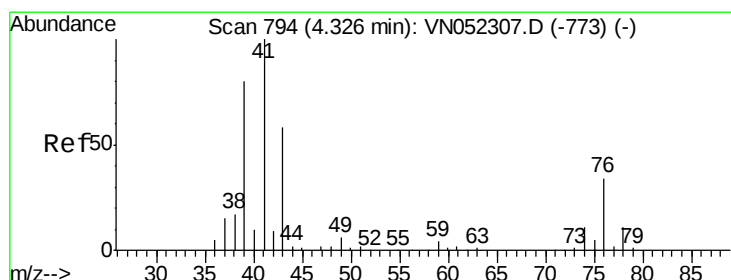
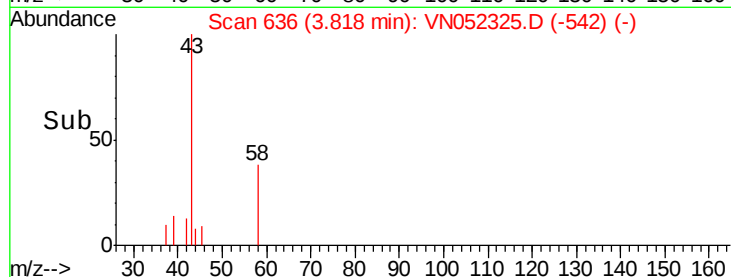
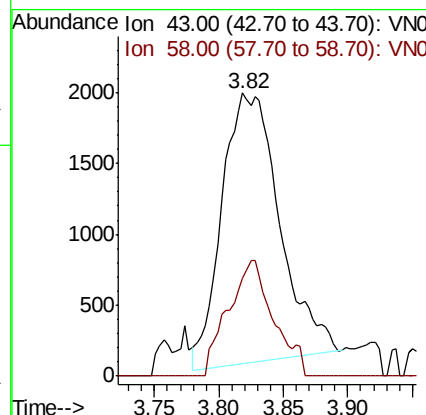
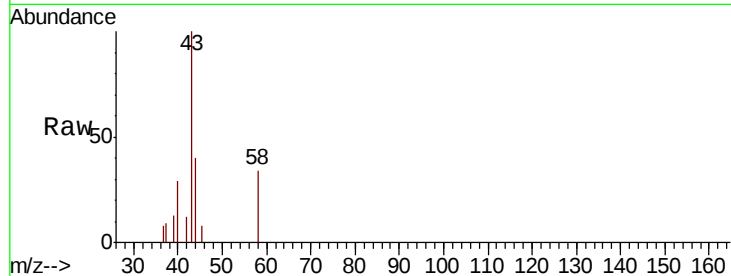




#16
Acetone
Concen: 5.088 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

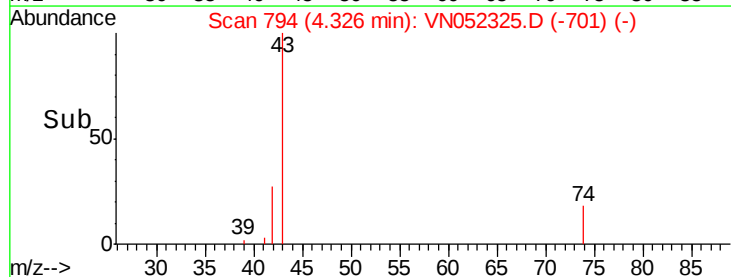
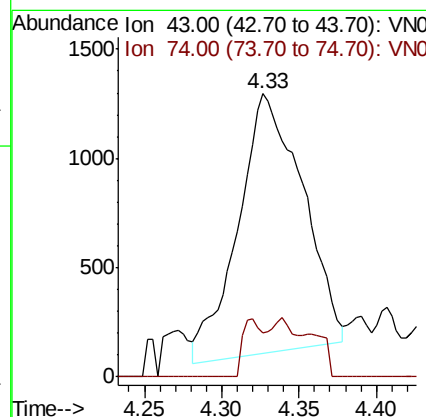
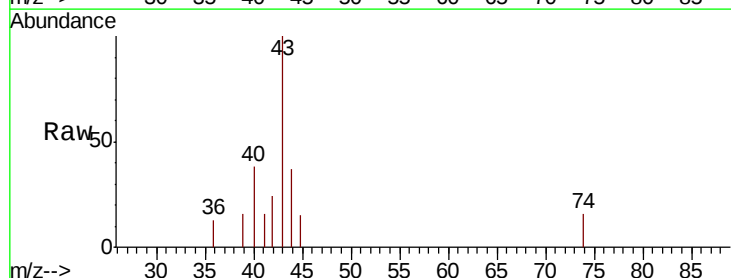
Instrument :
MSVOA_N
ClientSampleId :
PB114787ZHE#07

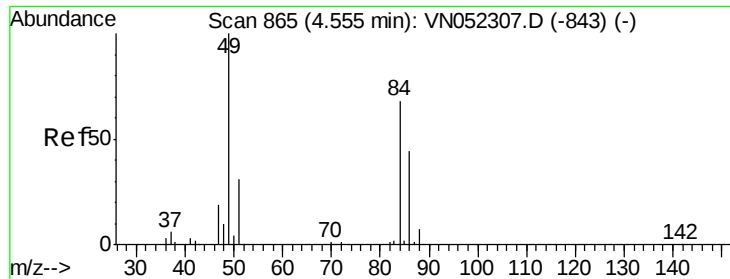
Tot Ion: 43 Resp: 5916
Ion Ratio Lower Upper
43 100
58 37.8 24.2 36.4#



#18
Methyl Acetate
Concen: 1.480 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Tgt Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
74 6.4 15.9 23.9#

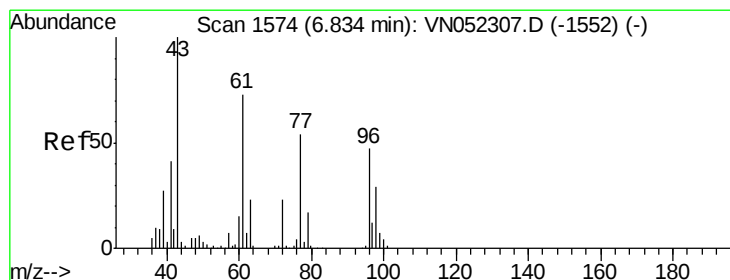
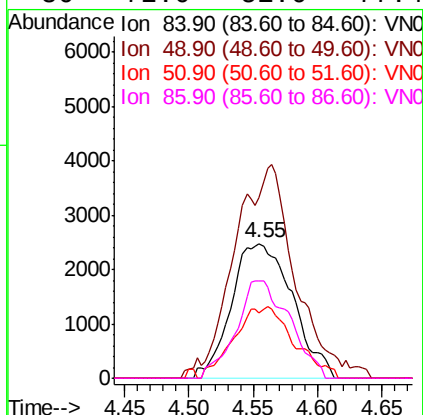
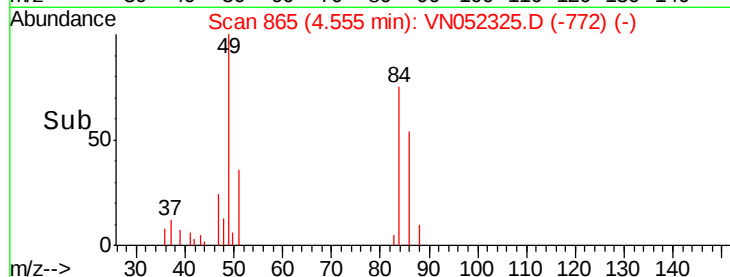
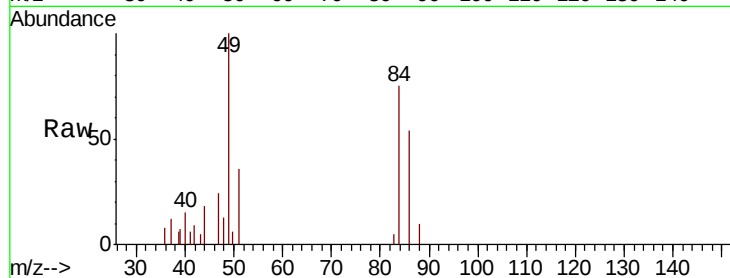




#20
Methvlene Chloride
Concen: 1.631 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

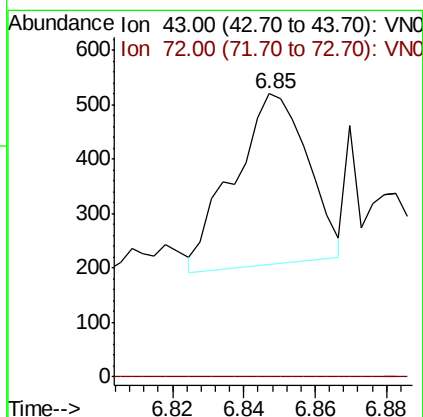
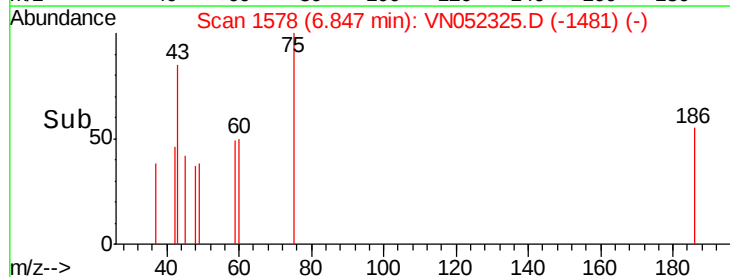
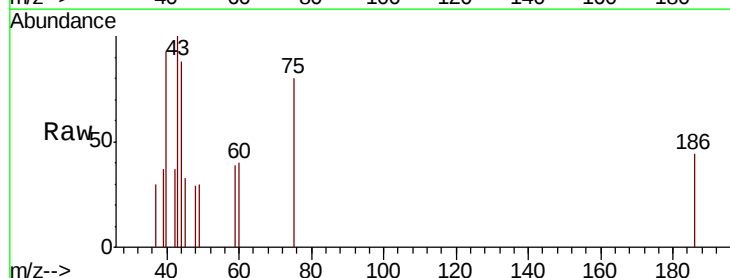
Instrument :
MSVOA_N
ClientSampleId :
PB114787ZHE#07

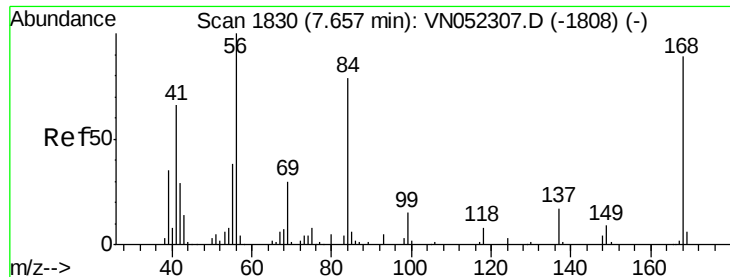
Tot Ion: 84 Resp: 8168
Ion Ratio Lower Upper
84 100
49 127.0 118.2 177.2
51 48.8 36.1 54.1
86 72.0 51.6 77.4



#25
2-Butanone
Concen: 0.274 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

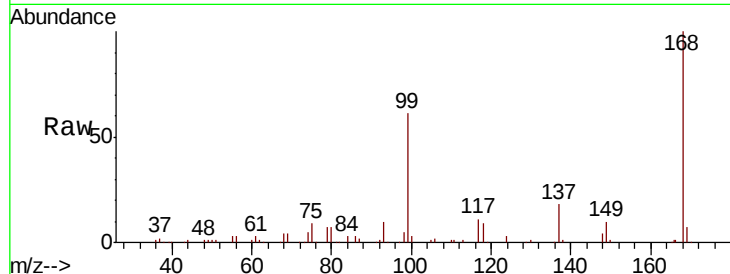




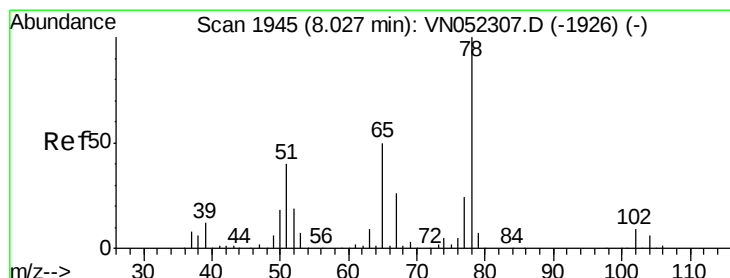
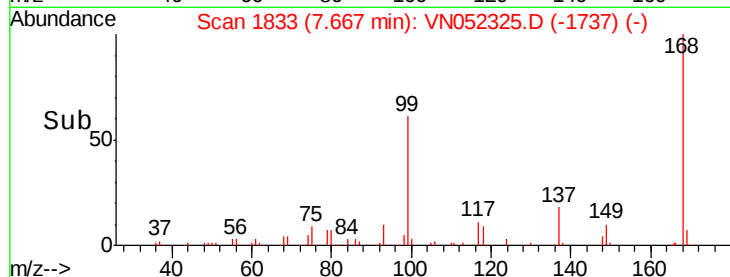
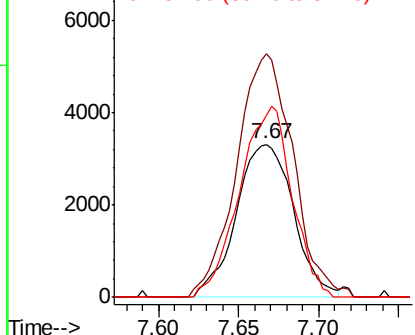
#31
Cyclohexane
Concen: 0.212 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
PB114787ZHE#07

Tot Ion: 56 Resp: 8141
Ion Ratio Lower Upper
56 100
69 159.1 23.8 35.8#
84 119.3 63.0 94.6#

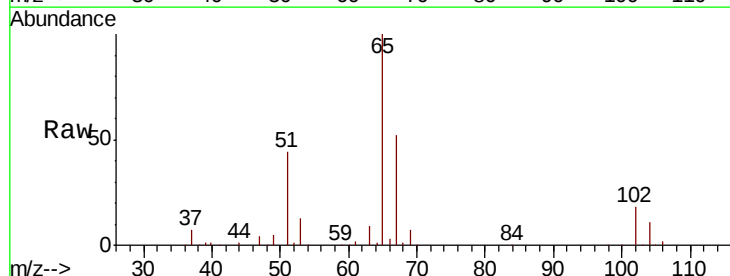


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

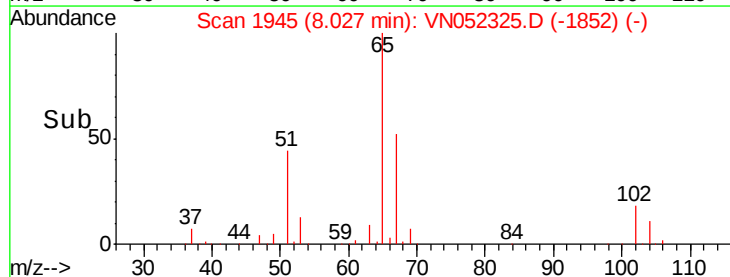
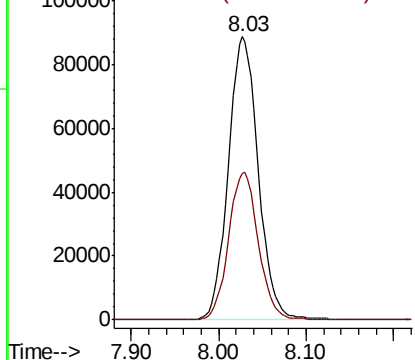


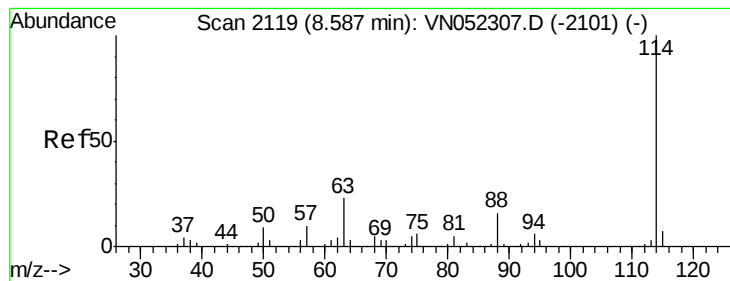
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Tgt Ion: 65 Resp: 210461
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



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: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB114787ZHE#07

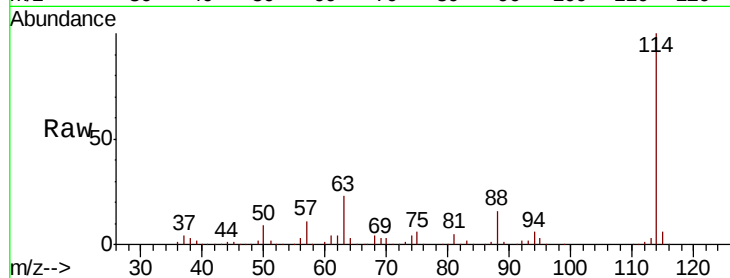
Tot Ion:114 Resp: 505869

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.4

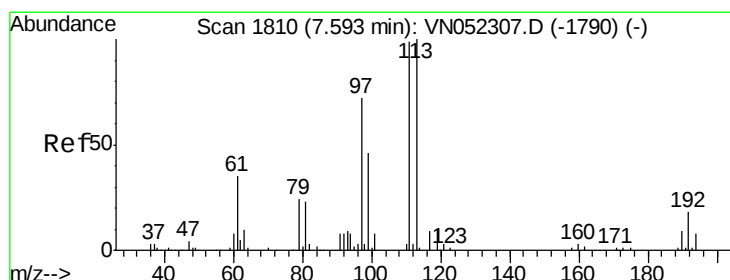
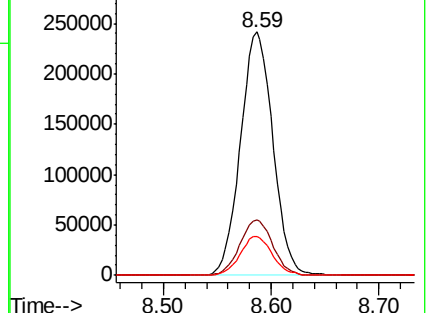
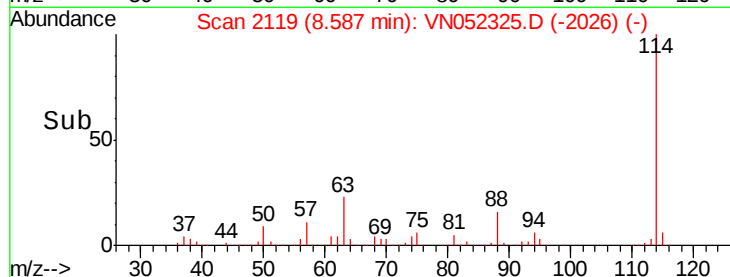
88 16.0 0.0 31.2



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: VN052325.D

Acq: 14 Nov 2018 20:42

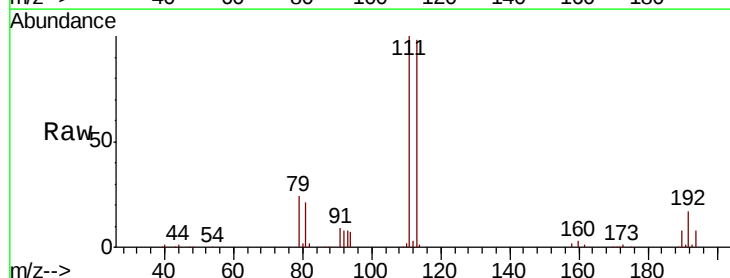
Tgt Ion:113 Resp: 160961

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.6

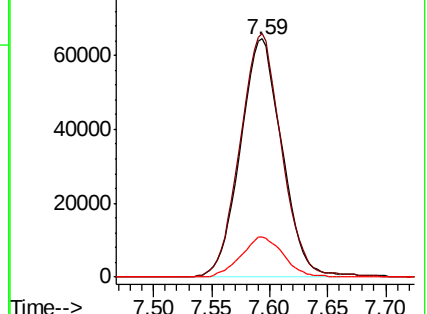
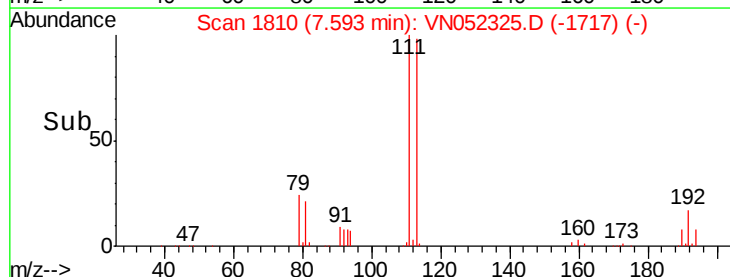
192 17.1 13.8 20.6

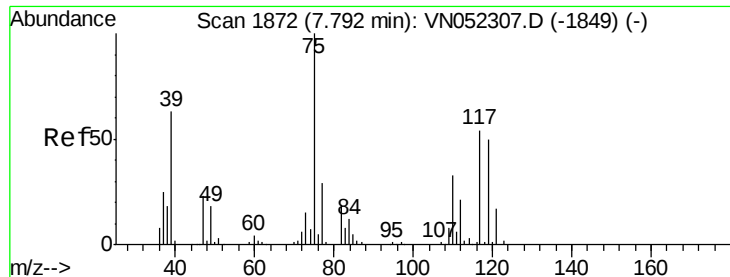


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.339 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

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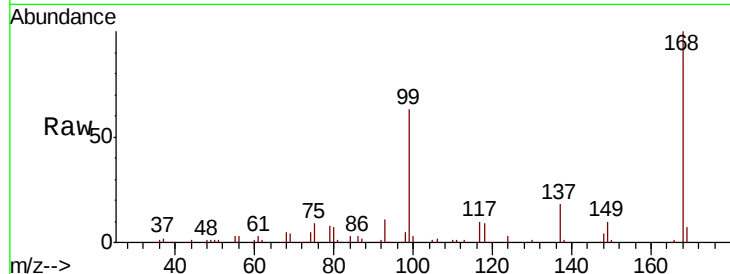
Tot Ion: 75 Resp: 27068

Ion Ratio Lower Upper

75 100

110 8.7 16.5 49.5#

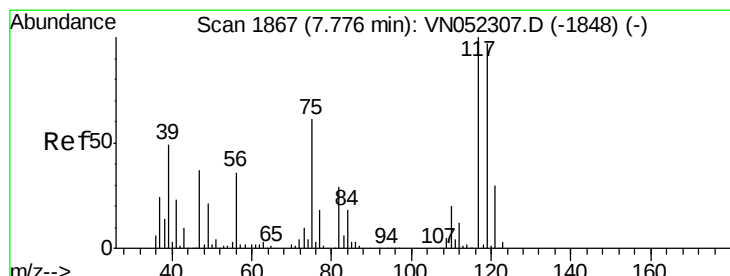
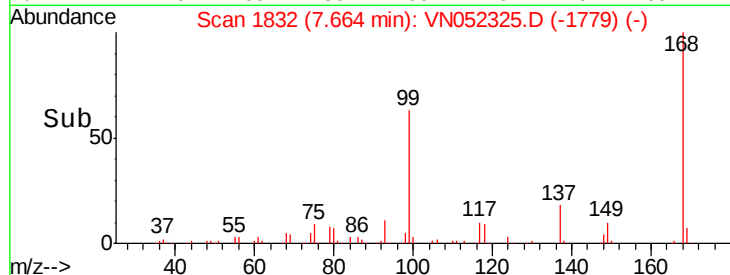
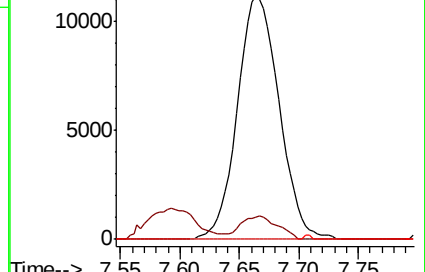
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052325.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052325.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052325.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.882 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

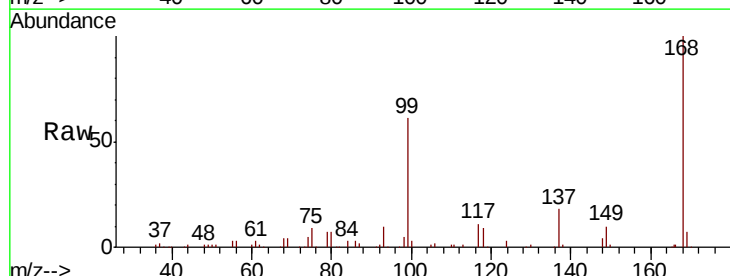
Tgt Ion: 117 Resp: 32056

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

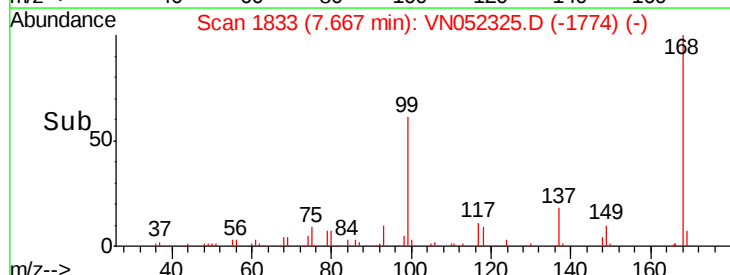
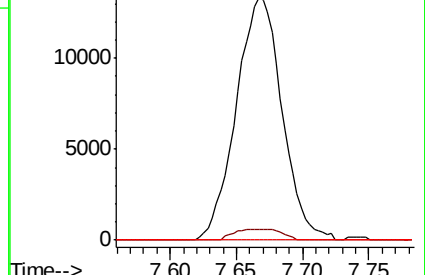
121 0.0 24.0 36.0#

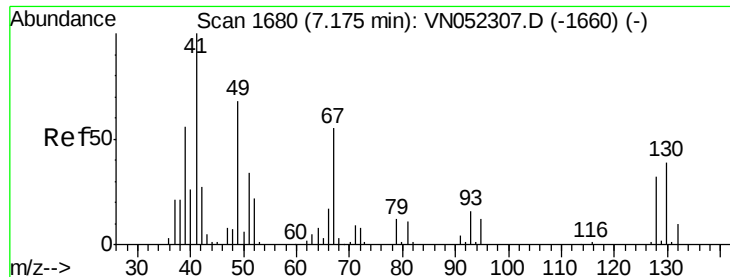


Abundance Ion 116.80 (116.50 to 117.50): VN052325.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052325.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052325.D (-1774) (-)





#41

Methacrylonitrile

Concen: 3.796 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

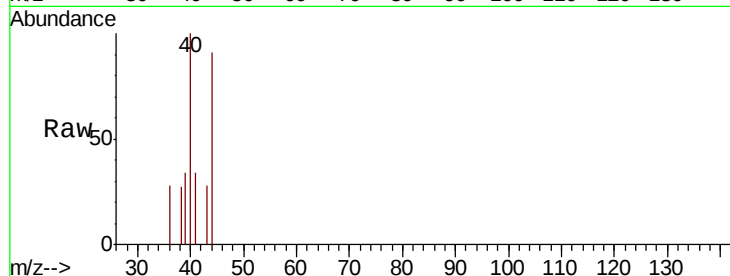
MSVOA_N

ClientSampleId :

PB114787ZHE#07

Tot Ion: 41 Resp: 223

Ion	Ratio	Lower	Upper
41	100		
39	109.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



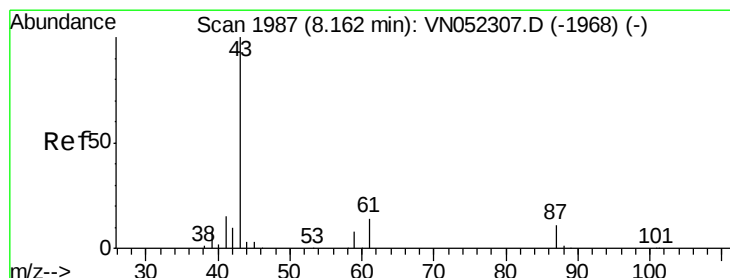
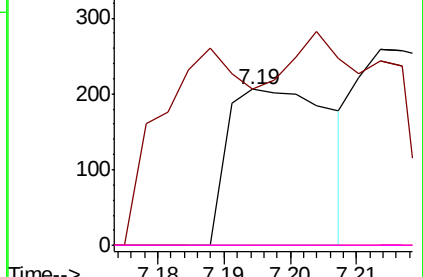
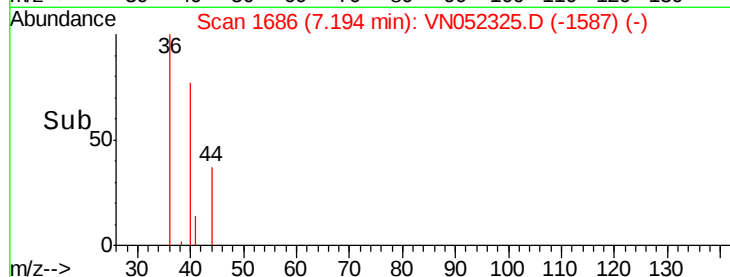
Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-1660) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-1660) (-)

Ion 67.00 (66.70 to 67.70): VN052307.D (-1660) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-1660) (-)

Time-->



#43

Isopropyl Acetate

Concen: 23.500 ug/l

RT: 8.17 min Scan# 1988

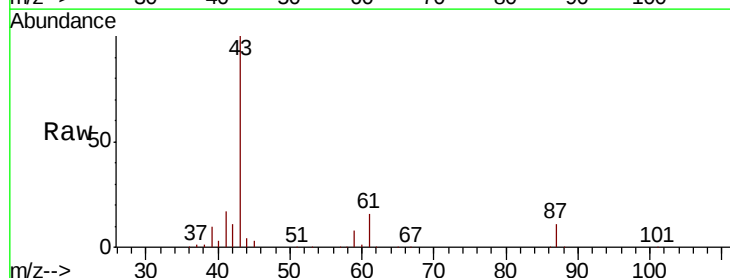
Delta R.T. 0.00 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

Tgt Ion: 43 Resp: 166863

Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
87	10.2	8.3	12.5

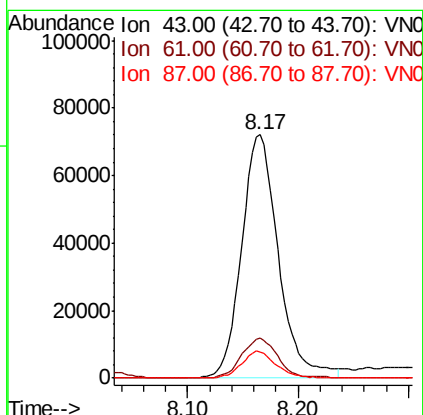
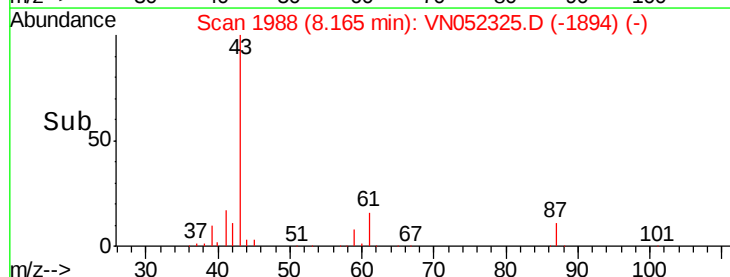


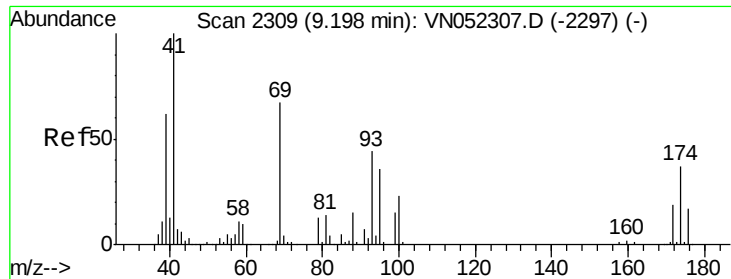
Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)

Time-->

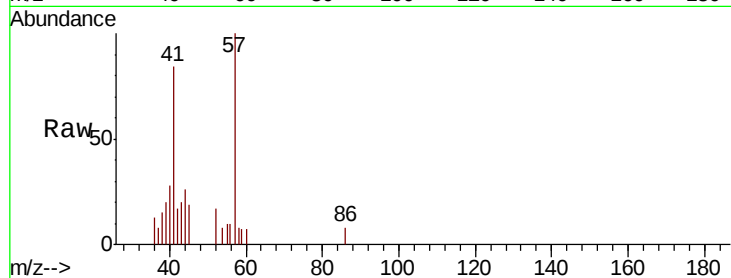




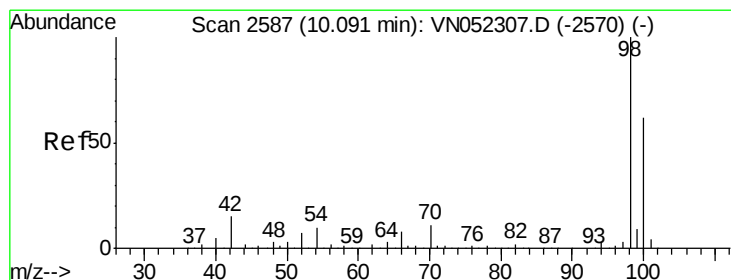
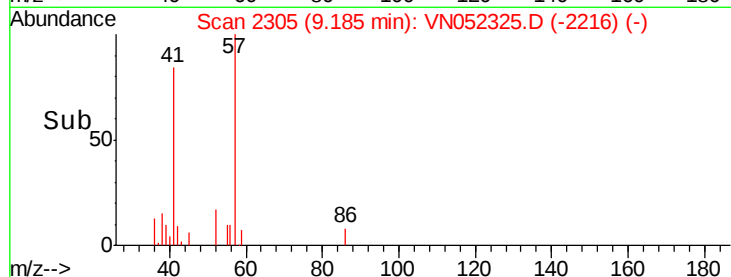
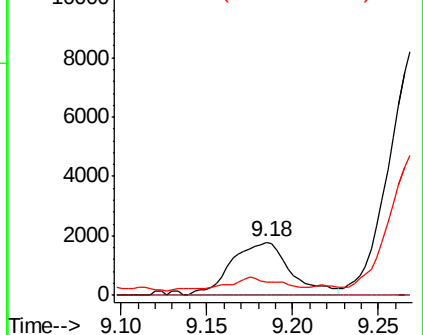
#48
Methvl methacrylate
Concen: 1.195 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
PB114787ZHE#07

Tot Ion: 41 Resp: 4305
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 15.8 52.5 78.7#

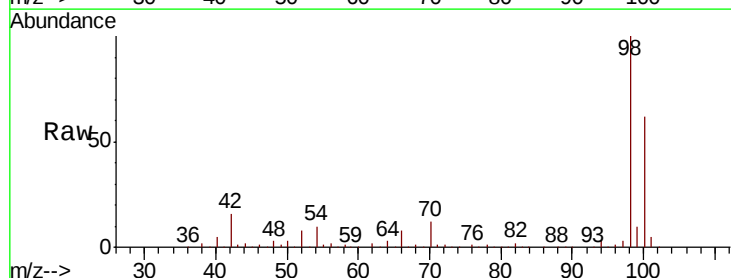


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

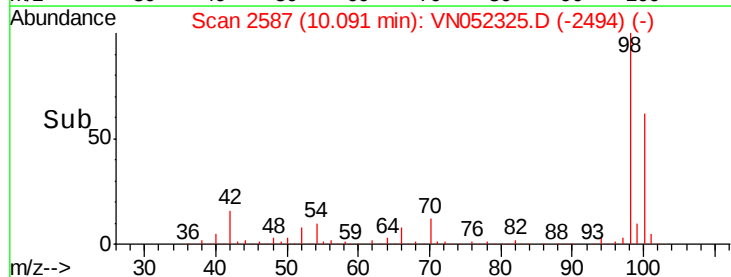
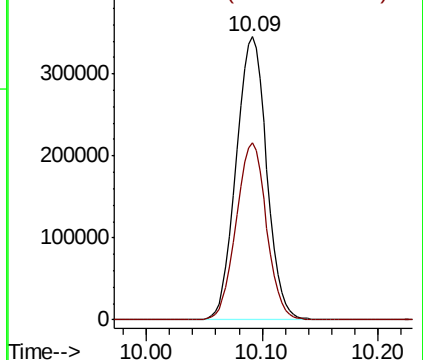


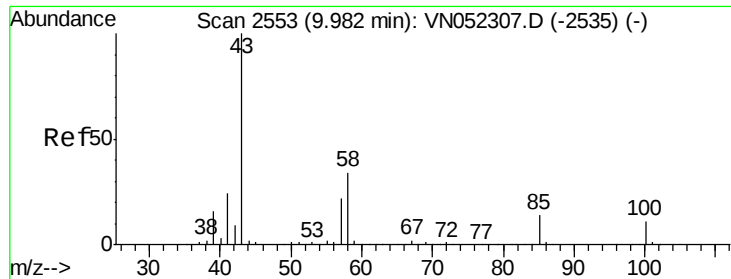
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Tgt Ion: 98 Resp: 629096
Ion Ratio Lower Upper
98 100
100 62.1 49.5 74.3



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: 0.213 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

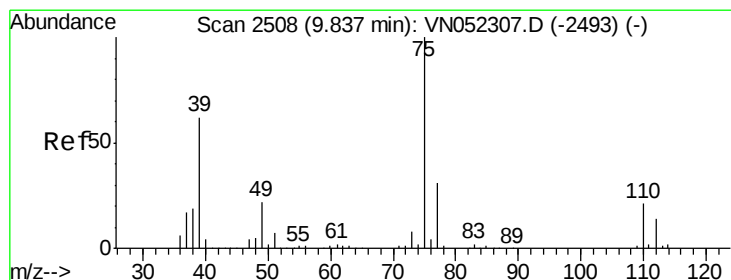
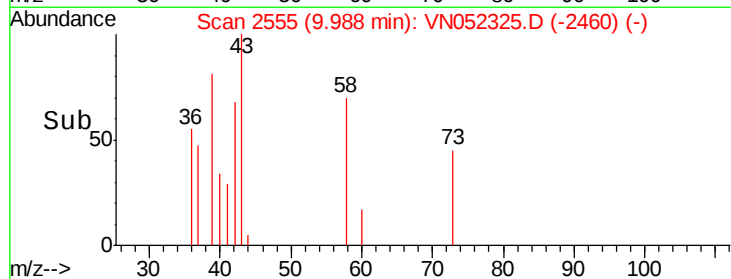
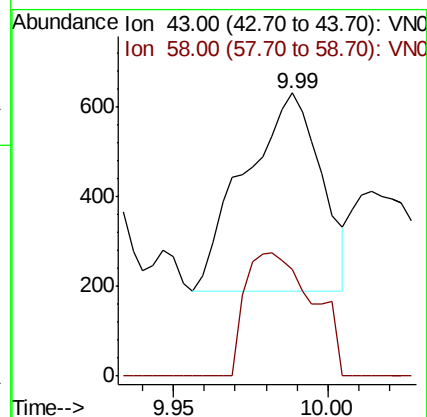
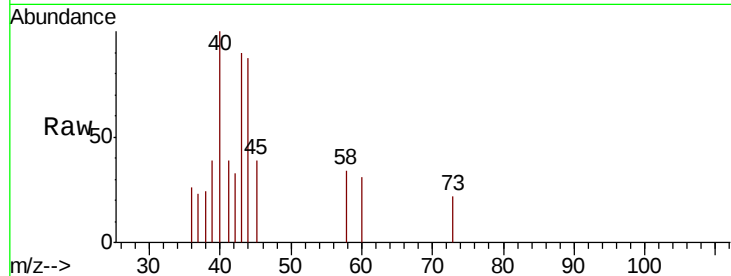
PB114787ZHE#07

Tot Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 54.5 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 0.212 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.06 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

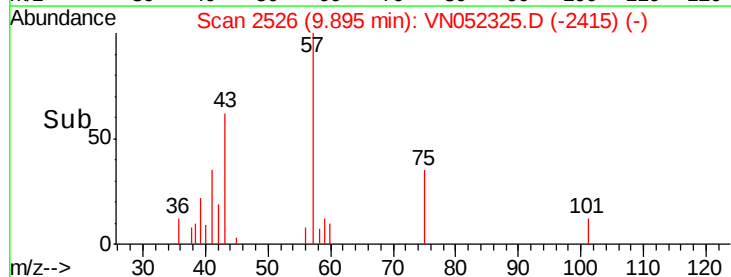
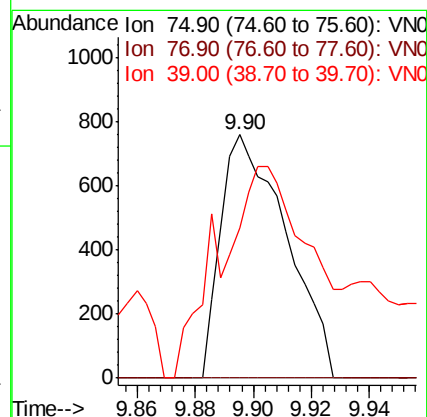
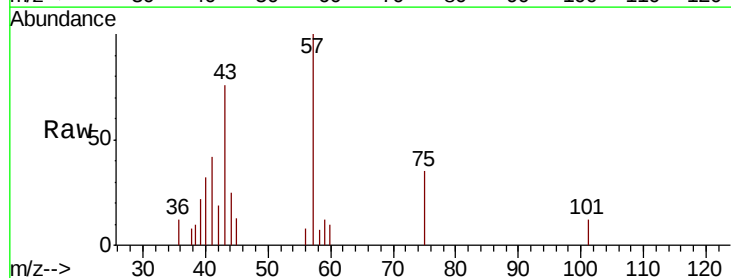
Tgt Ion: 75 Resp: 1190

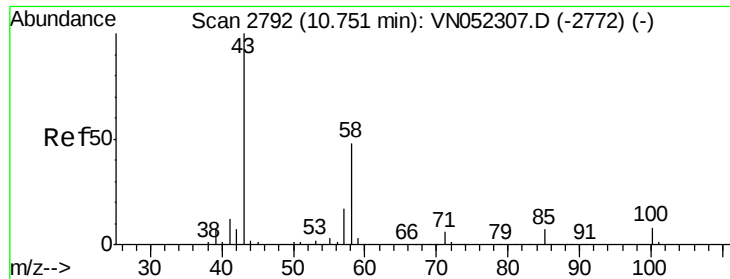
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 35.3 49.9 74.9#

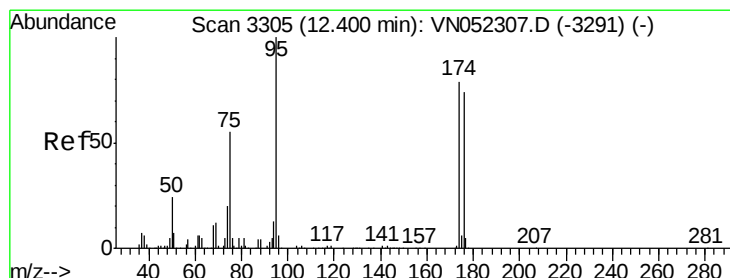
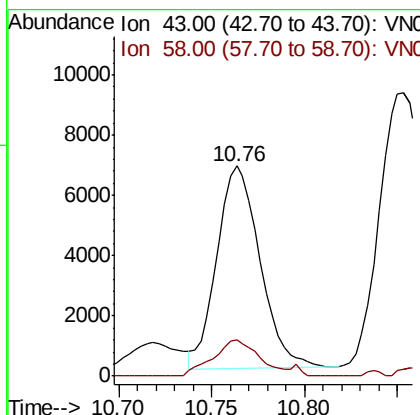
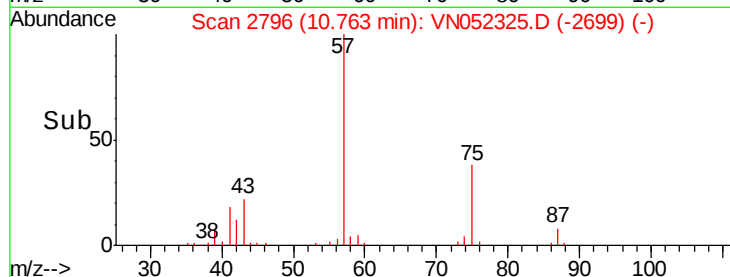
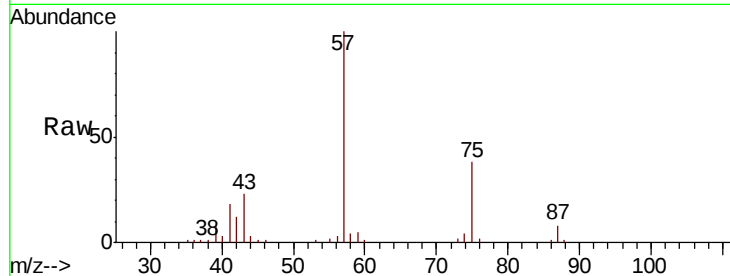




#59
2-Hexanone
Concen: 4.413 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

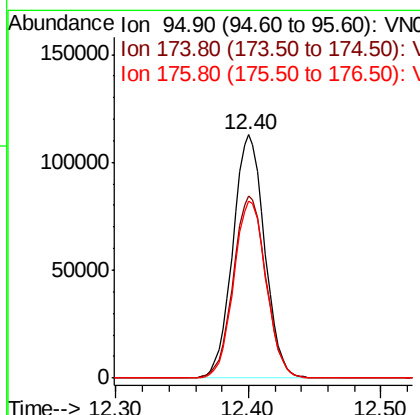
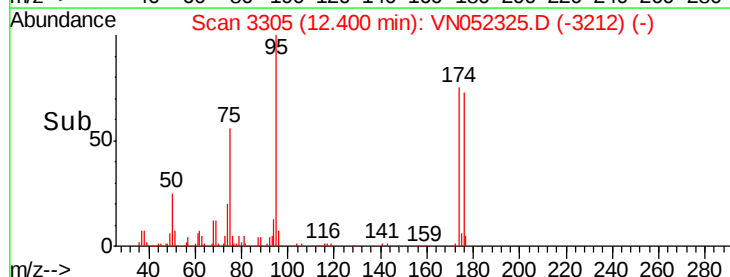
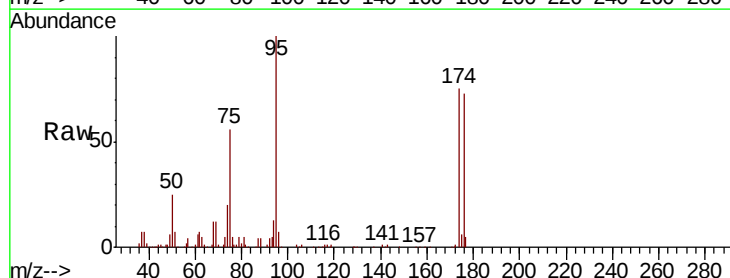
Instrument :
MSVOA_N
ClientSampleId :
PB114787ZHE#07

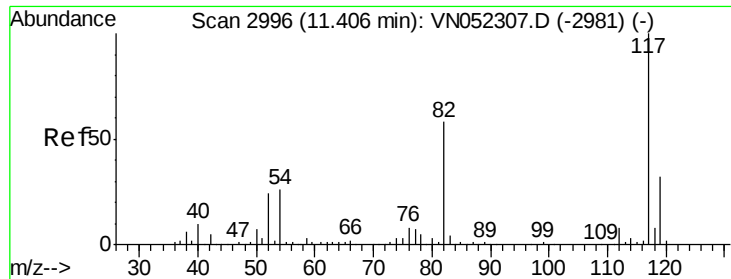
Tot Ion: 43 Resp: 10849
Ion Ratio Lower Upper
43 100
58 19.4 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Tgt Ion: 95 Resp: 187673
Ion Ratio Lower Upper
95 100
174 76.8 0.0 156.0
176 74.1 0.0 148.4

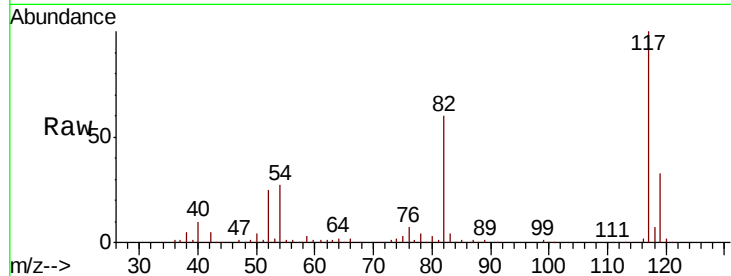




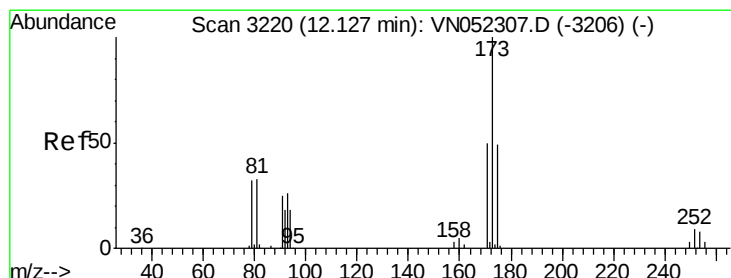
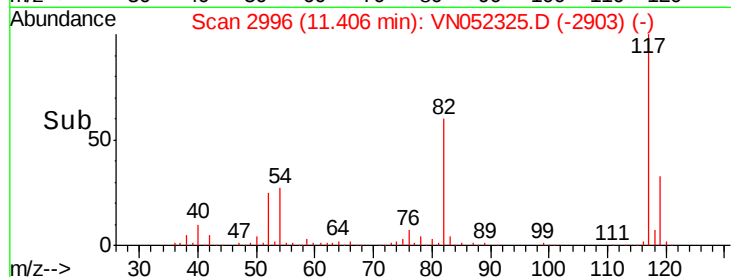
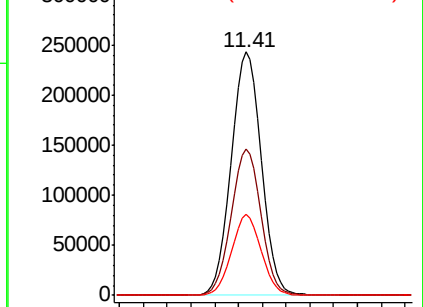
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
PB114787ZHE#07

Tot Ion:117 Resp: 427661
Ion Ratio Lower Upper
117 100
82 59.9 46.5 69.7
119 33.5 25.7 38.5

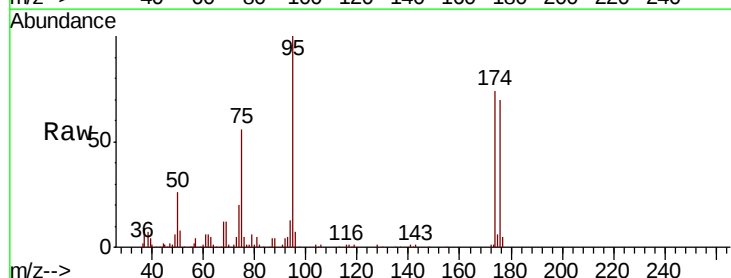


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

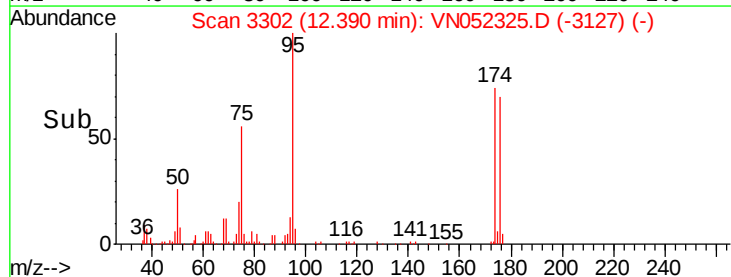
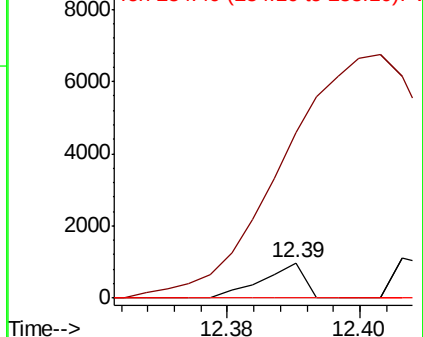


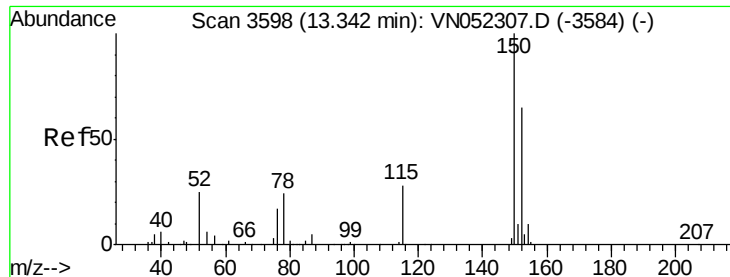
#71
Bromoform
Concen: 0.233 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN052325.D
Acq: 14 Nov 2018 20:42

Tgt Ion:173 Resp: 424
Ion Ratio Lower Upper
173 100
175 0.0 25.0 75.0#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB114787ZHE#07

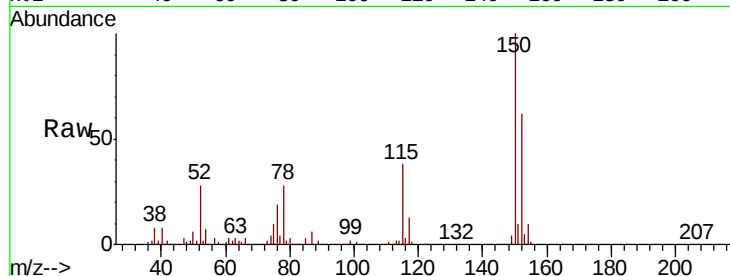
Tot Ion:152 Resp: 153500

Ion Ratio Lower Upper

152 100

115 60.2 30.3 91.0

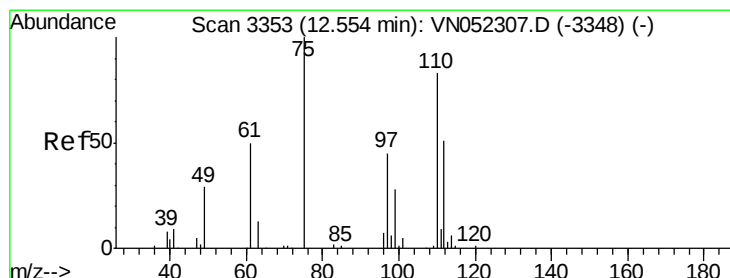
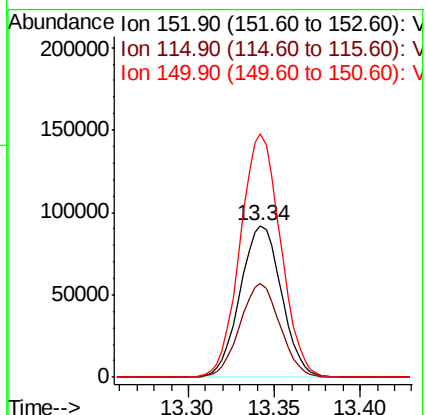
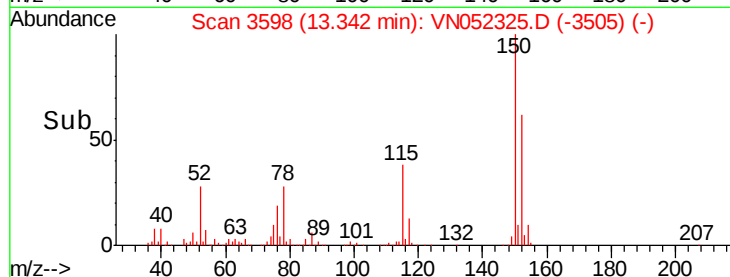
150 157.0 0.0 348.2



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: 40.295 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052325.D

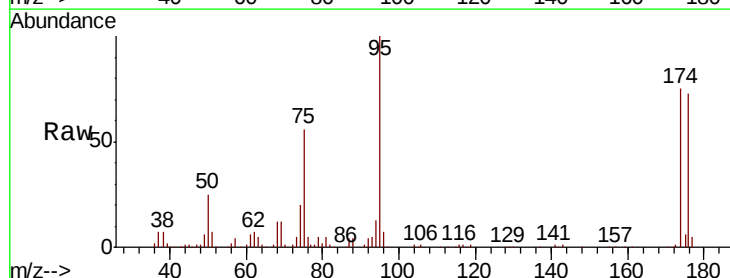
Acq: 14 Nov 2018 20:42

Tgt Ion: 75 Resp: 104952

Ion Ratio Lower Upper

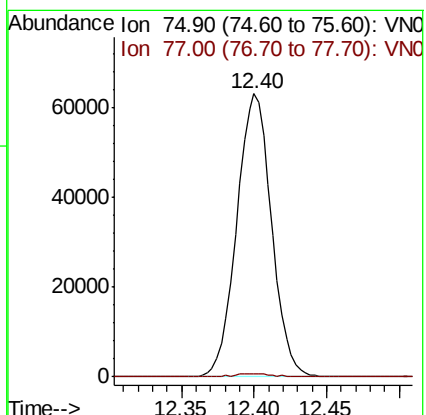
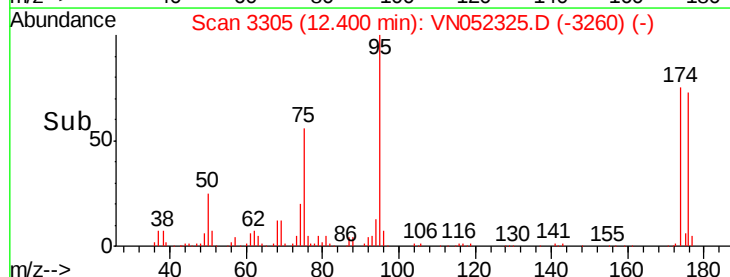
75 100

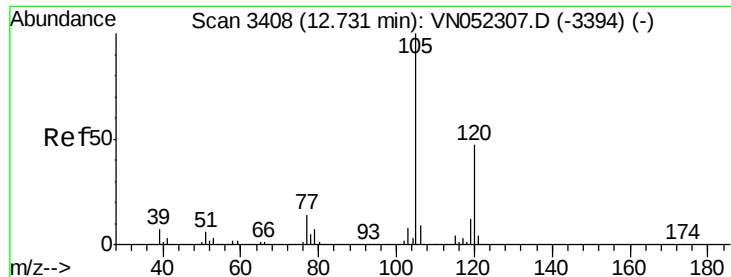
77 1.2 0.0 0.0#



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: 0.260 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

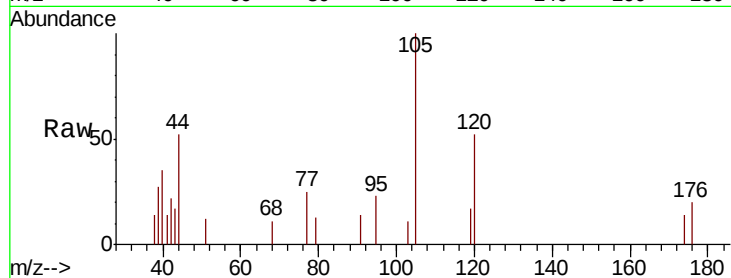
PB114787ZHE#07

Tot Ion:105 Resp: 2549

Ion Ratio Lower Upper

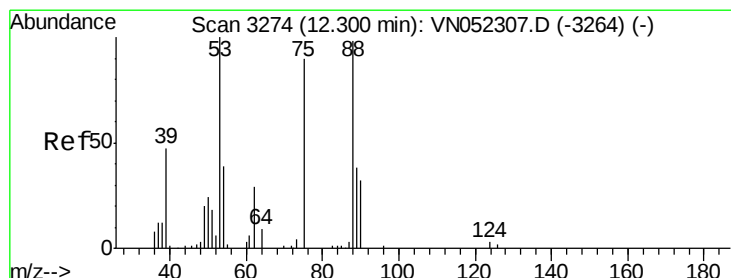
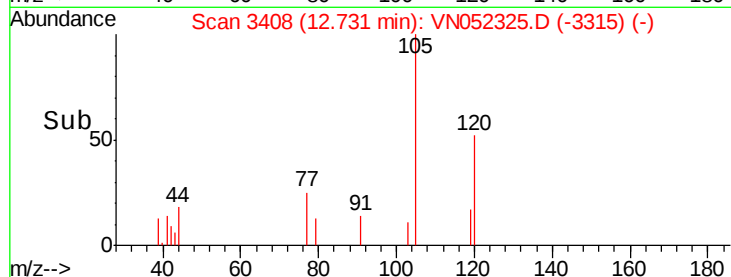
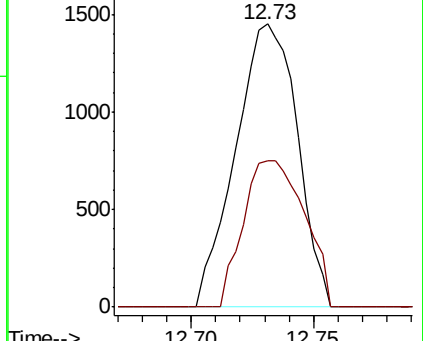
105 100

120 51.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 130.691 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

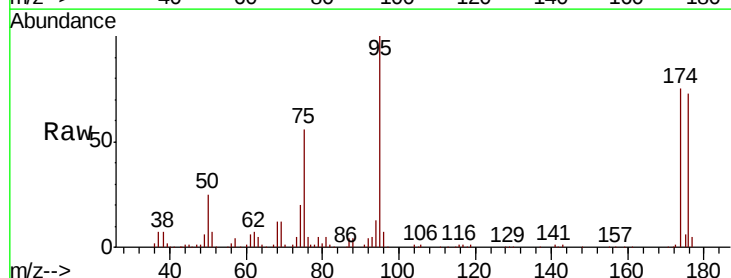
Tgt Ion: 75 Resp: 104952

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

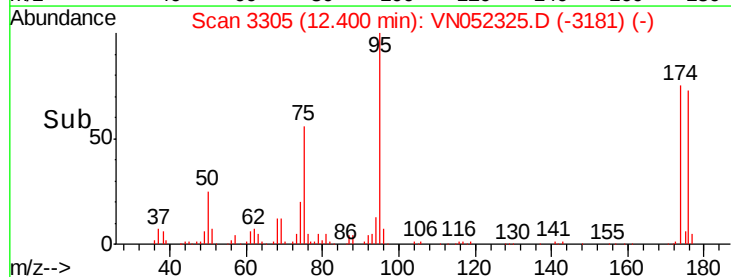
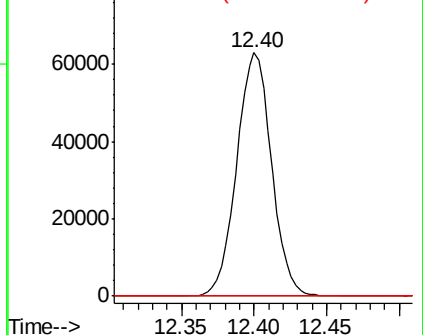
89 0.0 35.4 53.0#

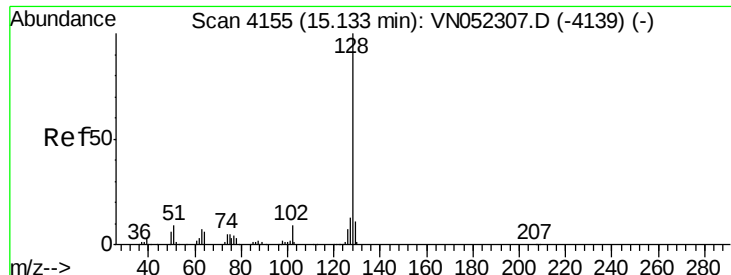


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 2.633 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN052325.D

Acq: 14 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB114787ZHE#07

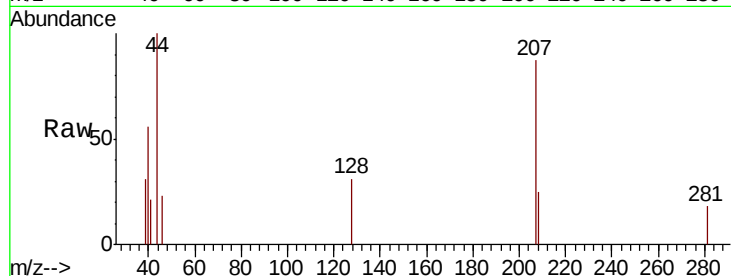
Tot Ion:128 Resp: 166

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

