

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111518\
 Data File : VN052349.D
 Acq On : 15 Nov 2018 18:26
 Operator : MD\SY
 Sample : J5767-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 02:54:03 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	307570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	518348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	219345	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.59	113	164231	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	654078	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	189467	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	

Target Compounds

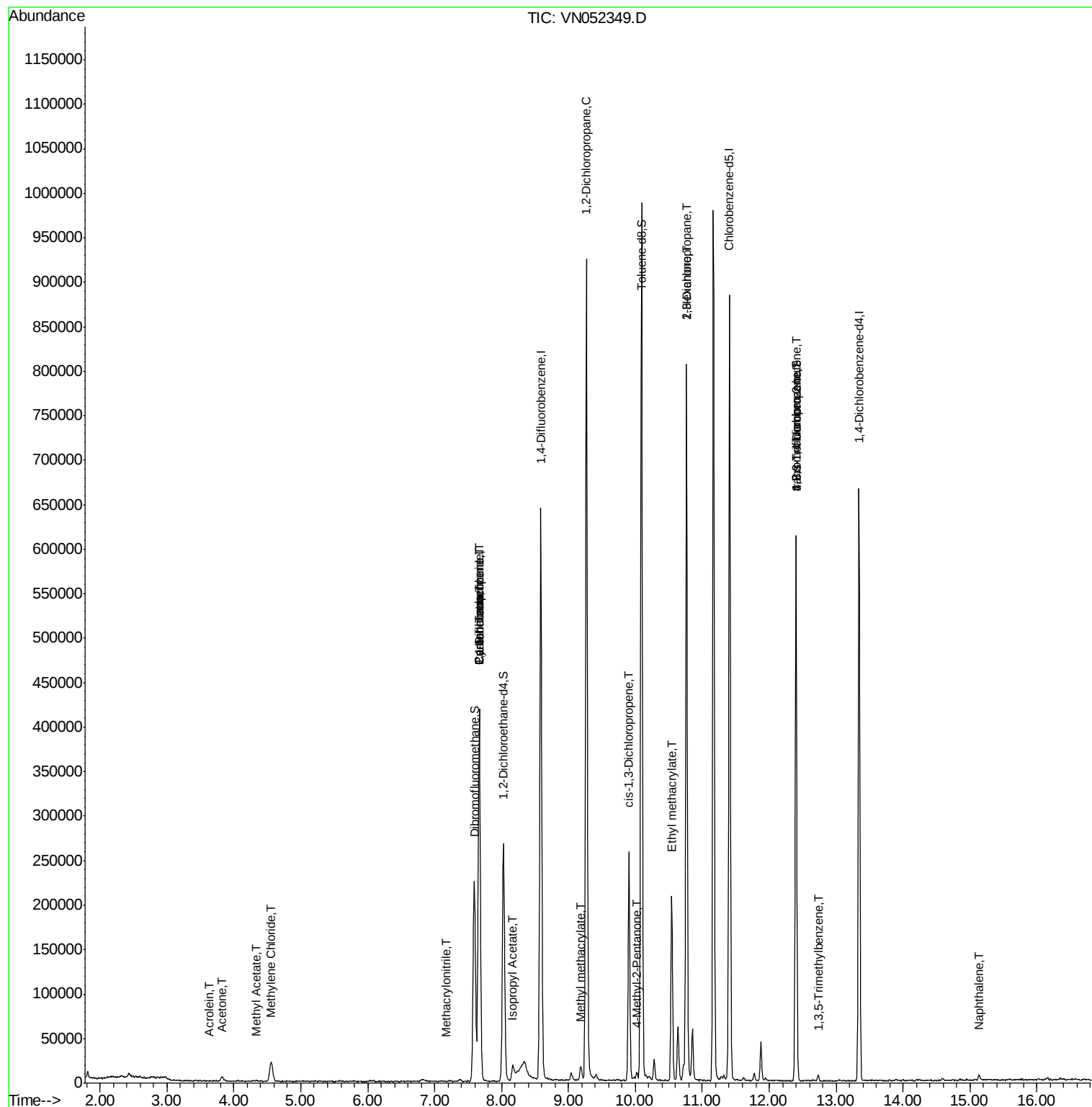
						Qvalue
13) Acrolein	3.64	56	60	21.929	ug/l #	14
16) Acetone	3.82	43	8870	7.416	ug/l	92
18) Methyl Acetate	4.32	43	233	0.501	ug/l #	57
20) Methylene Chloride	4.56	84	15067	3.489	ug/l	92
31) Cyclohexane	7.67	56	9079	0.321	ug/l #	19
36) 1,1-Dichloropropene	7.67	75	28891	5.561	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33204	6.956	ug/l #	16
41) Methacrylonitrile	7.16	41	65	3.724	ug/l #	100
43) Isopropyl Acetate	8.17	43	23739	3.263	ug/l #	94
45) 1,2-Dichloropropane	9.26	63	1064	0.253	ug/l #	44
48) Methyl methacrylate	9.18	41	5966	1.616	ug/l #	36
51) 4-Methyl-2-Pentanone	10.02	43	7528	2.055	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	39356	6.841	ug/l #	69
56) Ethyl methacrylate	10.54	69	931	0.220	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7401	1.298	ug/l #	43
59) 2-Hexanone	10.76	43	129649	51.465	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	110799	41.550	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3273	0.326	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.40	75	110799	134.763	ug/l #	5
95) Naphthalene	15.13	128	4831	3.428	ug/l	99

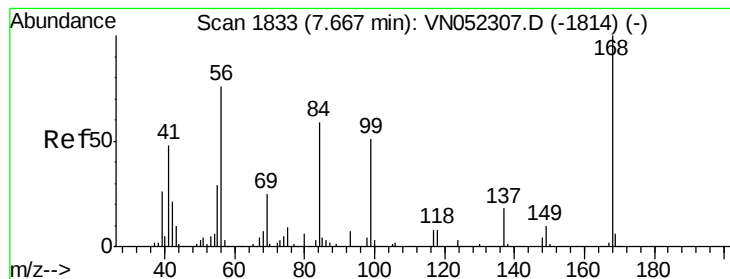
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052349.D

Acq: 15 Nov 2018 18:26

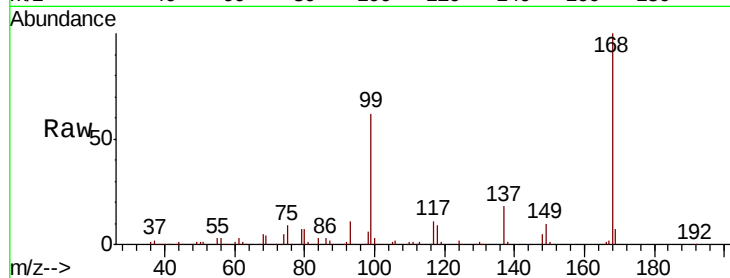
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 307570

Ion Ratio Lower Upper

168 100

99 62.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

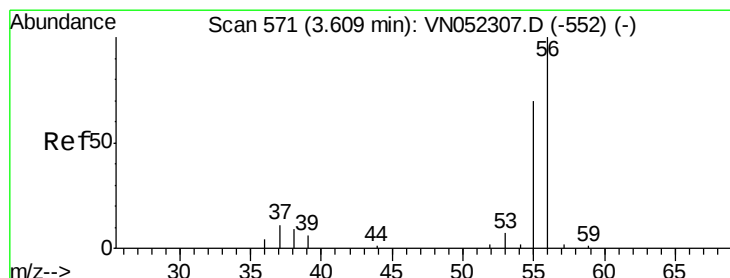
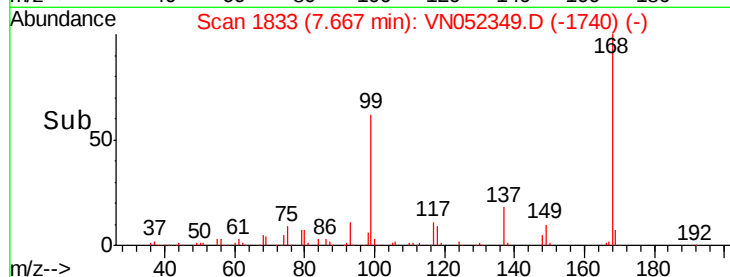
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 21.929 ug/l

RT: 3.64 min Scan# 579

Delta R.T. 0.03 min

Lab File: VN052349.D

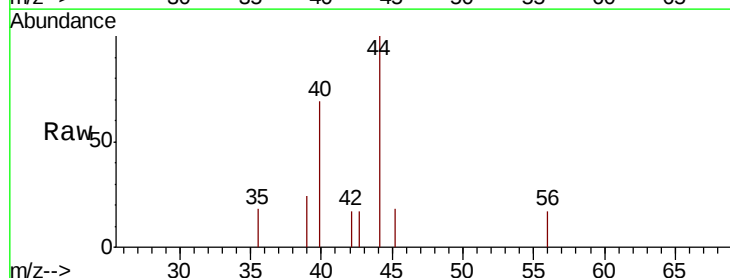
Acq: 15 Nov 2018 18:26

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.64

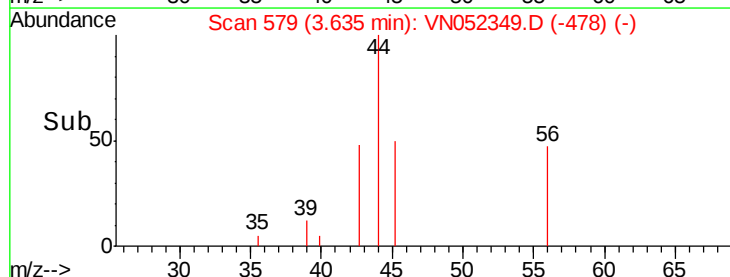
150

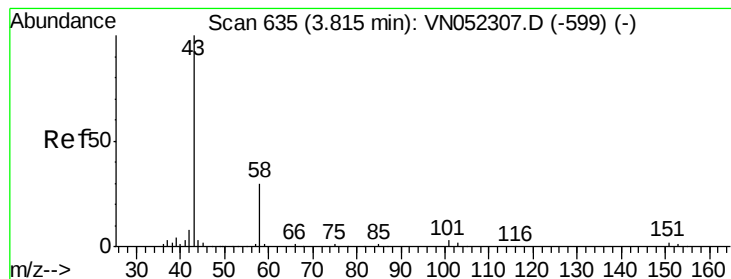
100

50

0

Time-->





#16

Acetone

Concen: 7.416 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

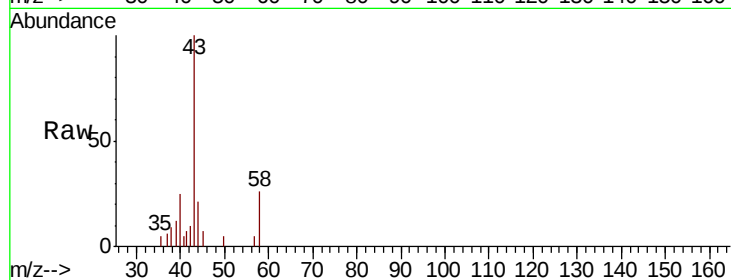
ClientSampleId :

Tot Ion: 43 Resp: 8870

Ion Ratio Lower Upper

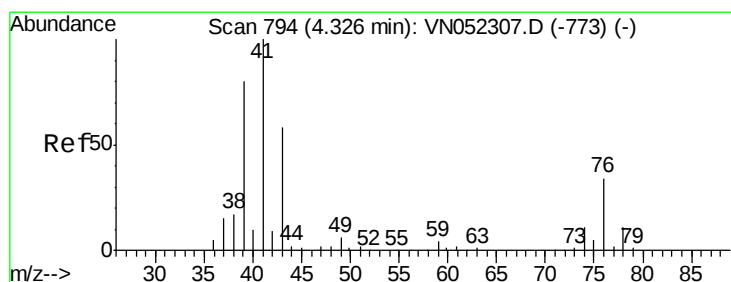
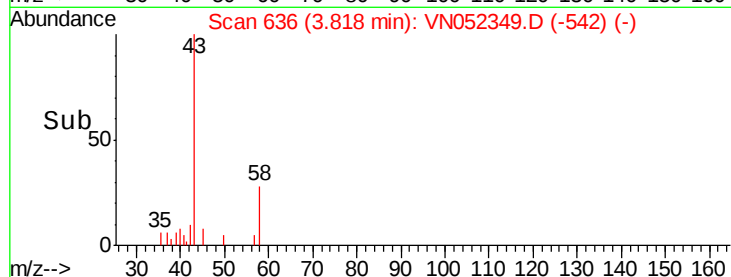
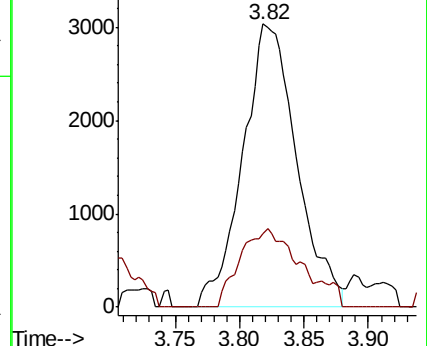
43 100

58 26.1 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)



#18

Methyl Acetate

Concen: 0.501 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052349.D

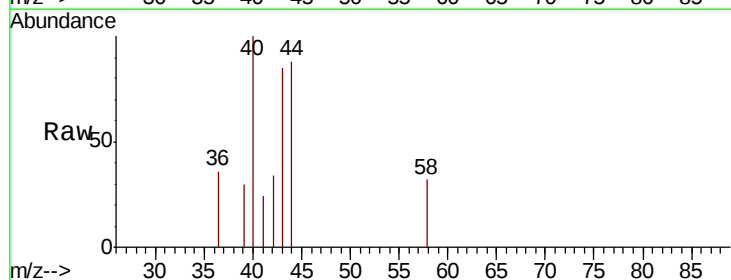
Acq: 15 Nov 2018 18:26

Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

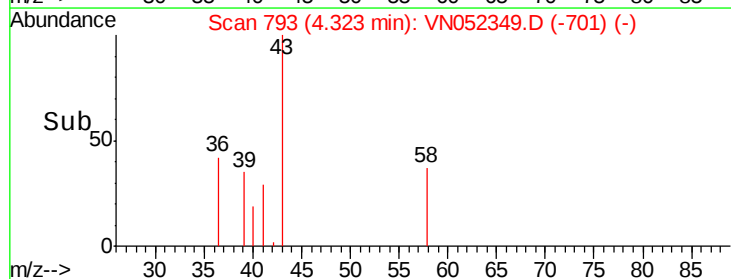
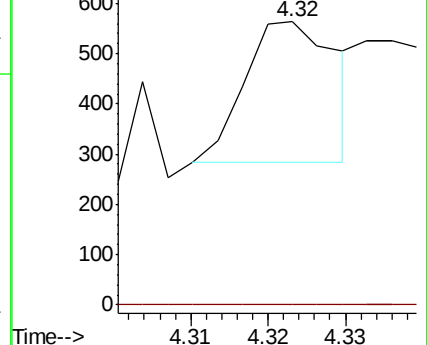
43 100

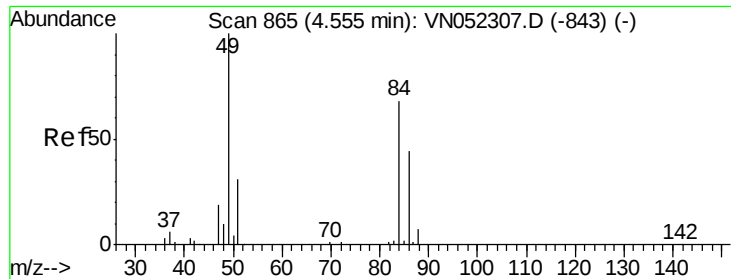
74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN052307.D (-773) (-)

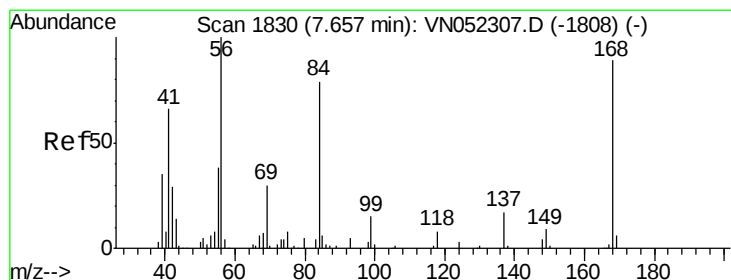
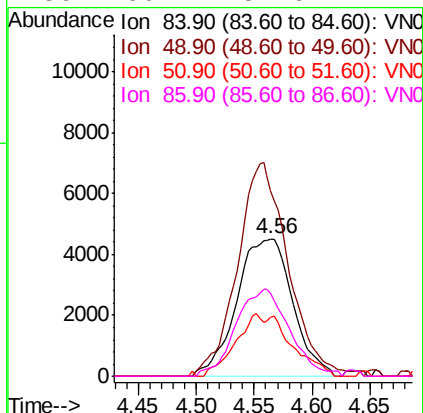
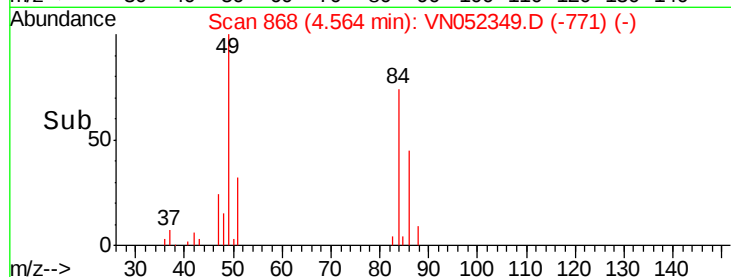
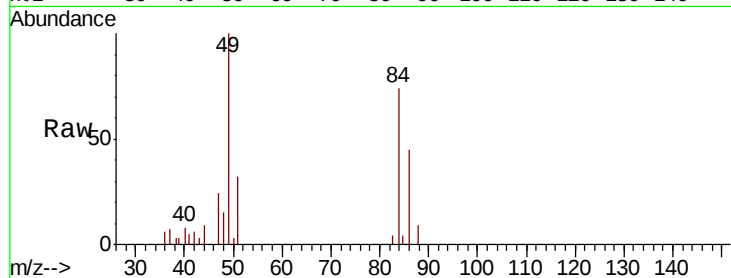




#20
Methvlene Chloride
Concen: 3.489 ug/l
RT: 4.56 min Scan# 868
Delta R.T. 0.01 min
Lab File: VN052349.D
Acq: 15 Nov 2018 18:26

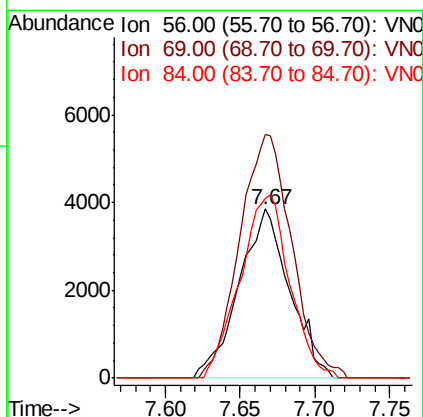
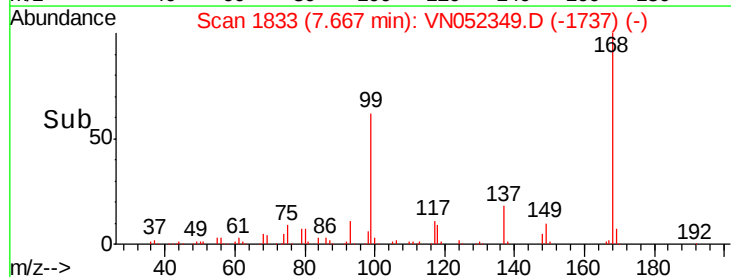
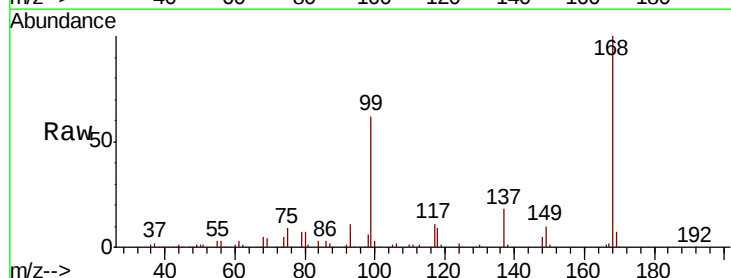
Instrument :
MSVOA_N
ClientSampled :

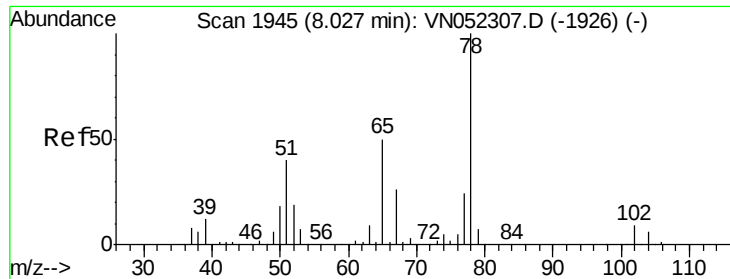
Tot Ion:	84	Resp:	15067
Ion	Ratio	Lower	Upper
84	100		
49	135.2	118.2	177.2
51	43.3	36.1	54.1
86	60.2	51.6	77.4



#31
Cyclohexane
Concen: 0.321 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052349.D
Acq: 15 Nov 2018 18:26

Tgt Ion:	56	Resp:	9079
Ion	Ratio	Lower	Upper
56	100		
69	144.2	23.8	35.8#
84	106.1	63.0	94.6#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

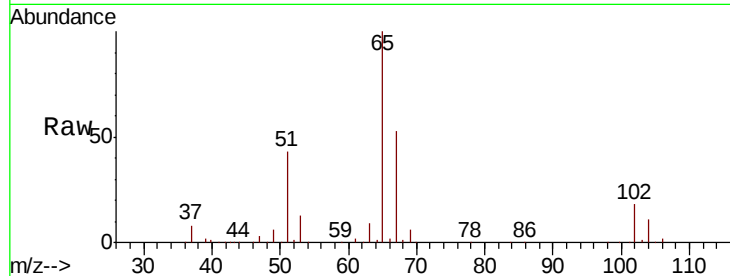
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 219345

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052307.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052307.D (-1926) (-)

8.03

100000

80000

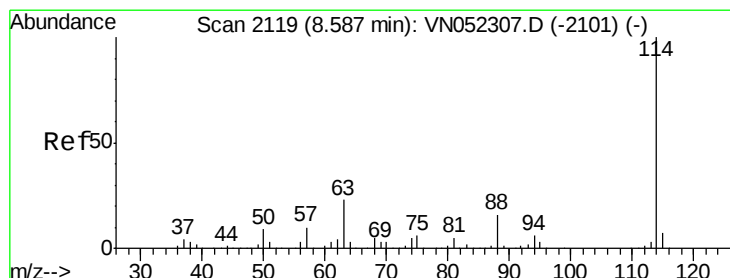
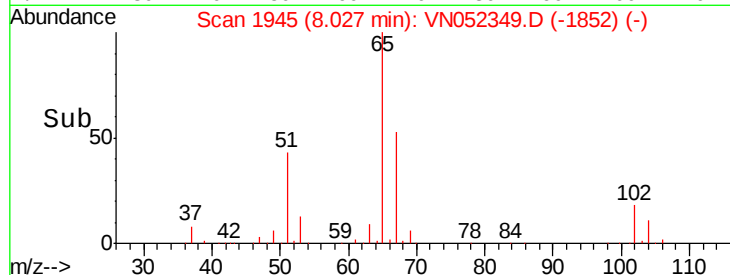
60000

40000

20000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

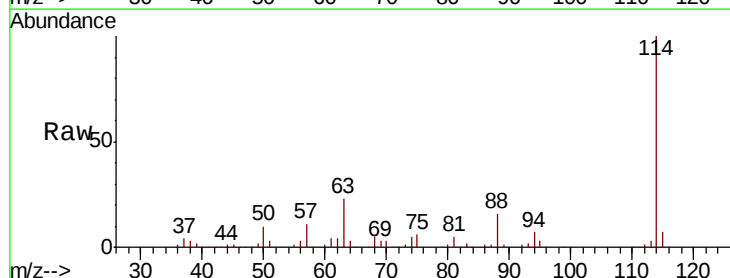
Tgt Ion: 114 Resp: 518348

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.4

88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN052307.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052307.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN052307.D (-2101) (-)

8.59

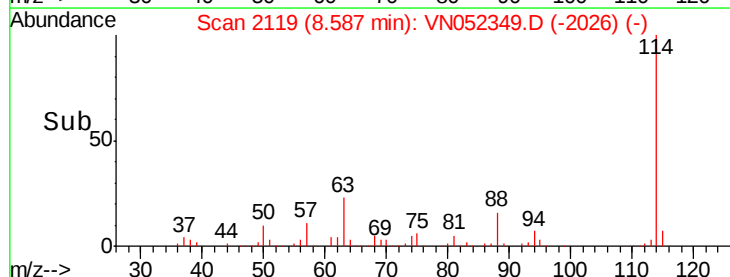
300000

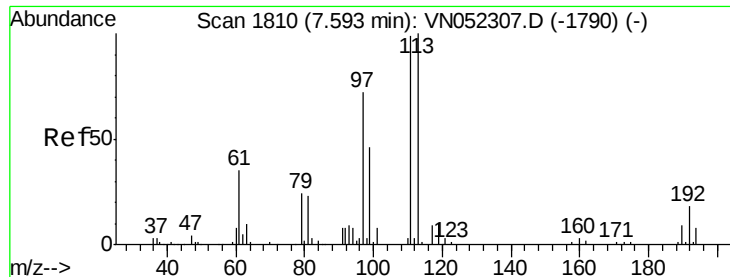
200000

100000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

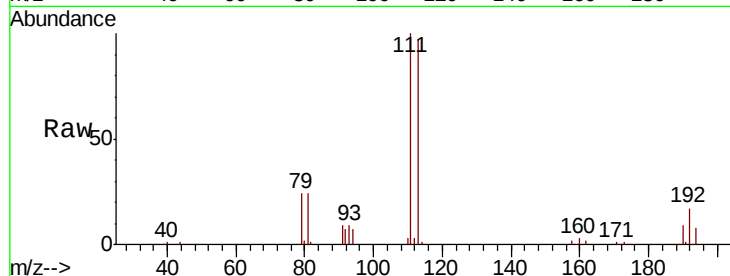
Tot Ion:113 Resp: 164231

Ion Ratio Lower Upper

113 100

111 104.8 81.0 121.6

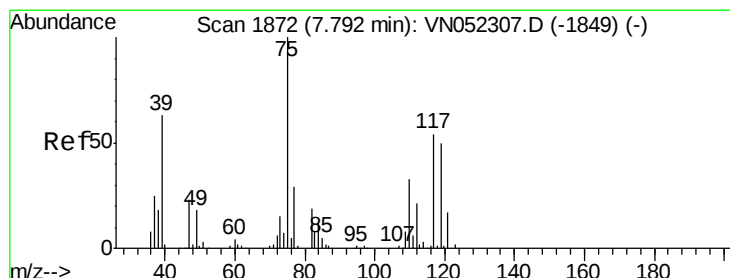
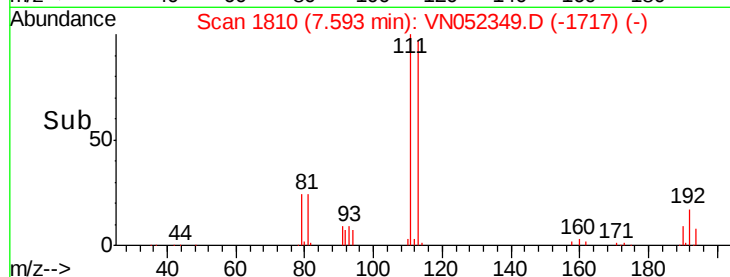
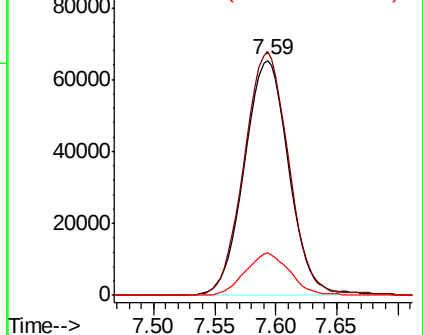
192 17.8 13.8 20.6



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: 5.561 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

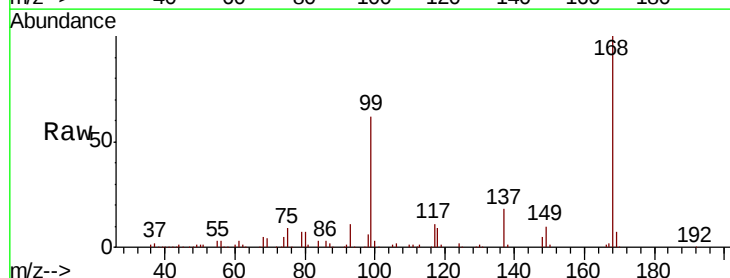
Tgt Ion: 75 Resp: 28891

Ion Ratio Lower Upper

75 100

110 9.4 16.5 49.5#

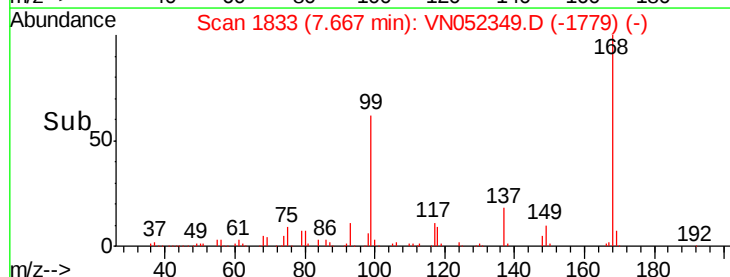
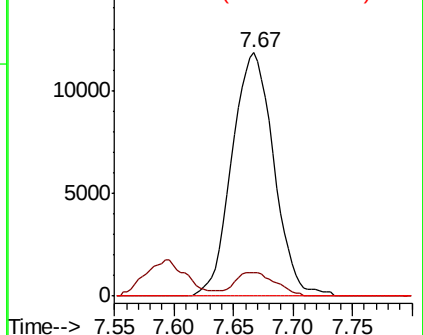
77 0.0 24.2 36.2#

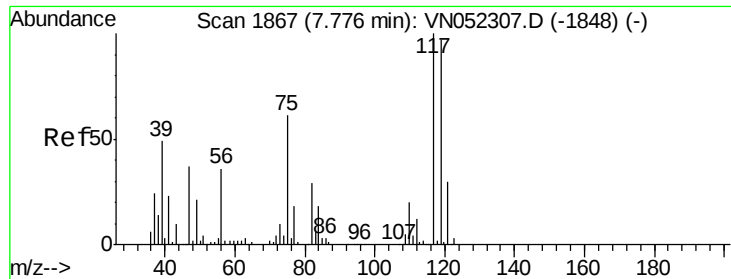


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.956 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

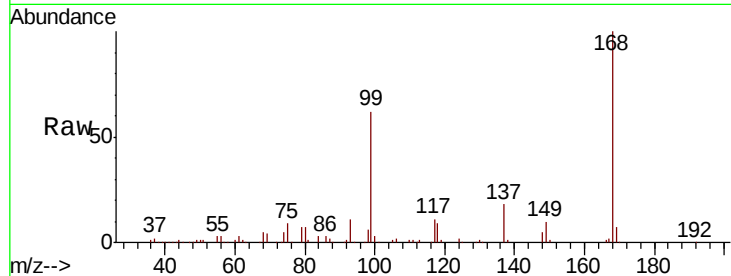
Tot Ion:117 Resp: 33204

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

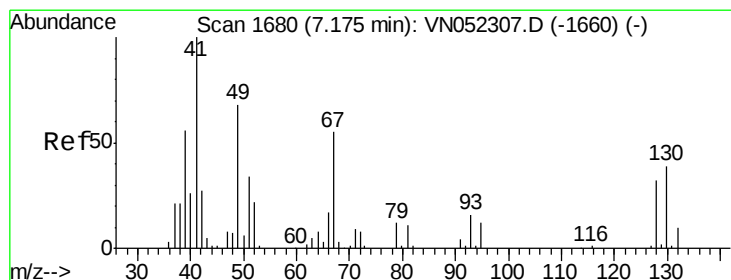
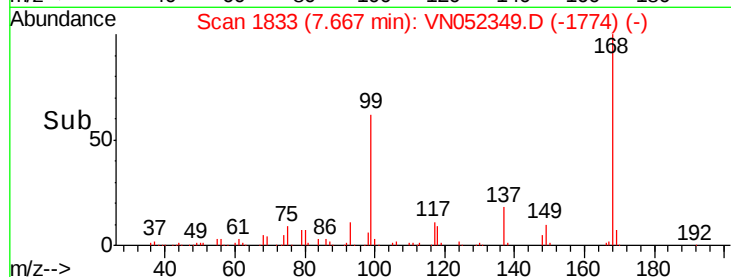
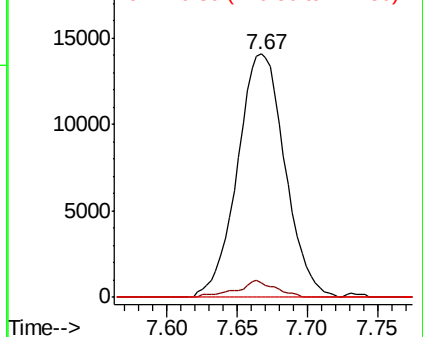
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 3.724 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.02 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Tgt Ion: 41 Resp: 65

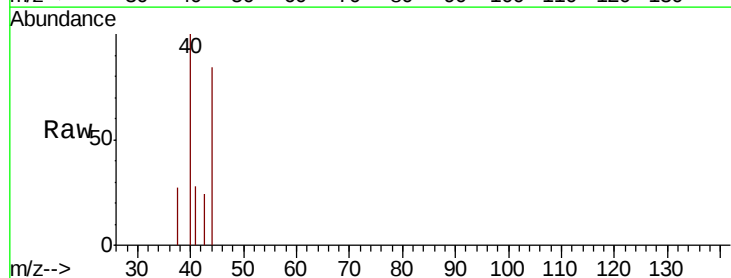
Ion Ratio Lower Upper

41 100

39 209.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

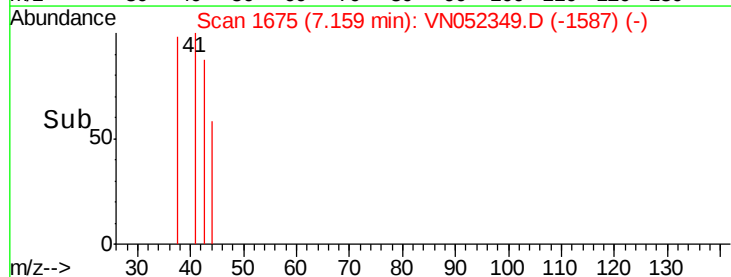
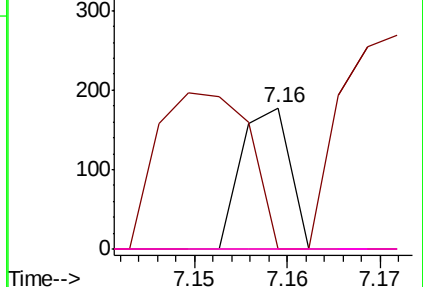


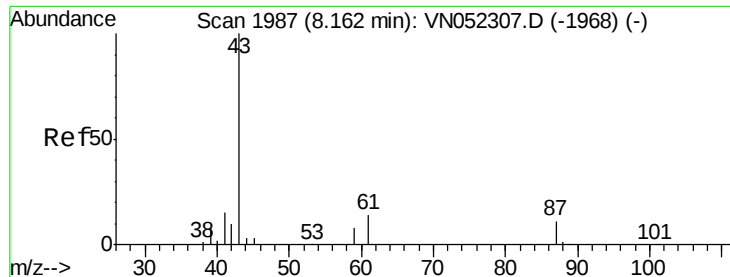
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 3.263 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

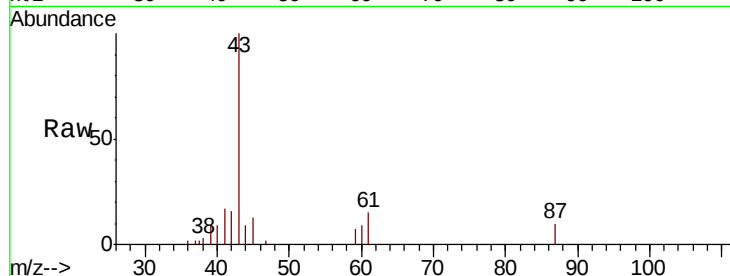
Tot Ion: 43 Resp: 23739

Ion Ratio Lower Upper

43 100

61 12.9 12.0 18.0

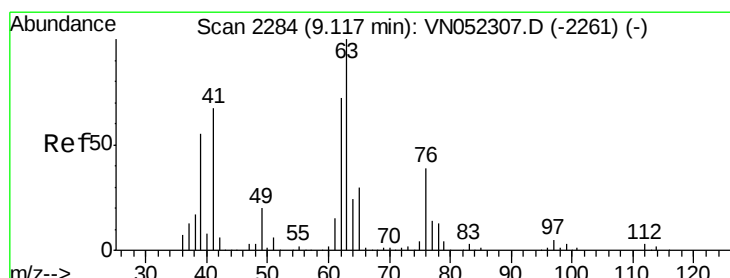
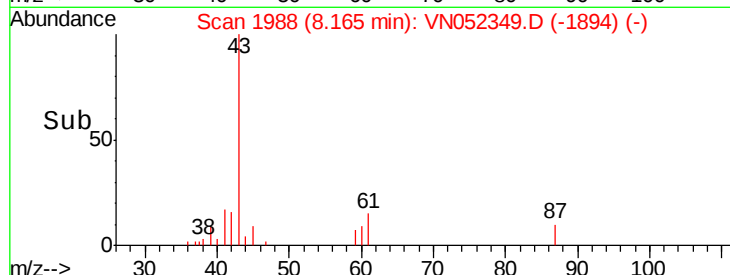
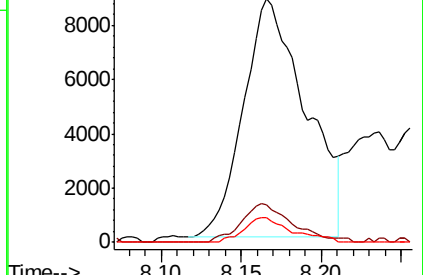
87 7.9 8.3 12.5#



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) (-)



#45

1,2-Dichloropropane

Concen: 0.253 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN052349.D

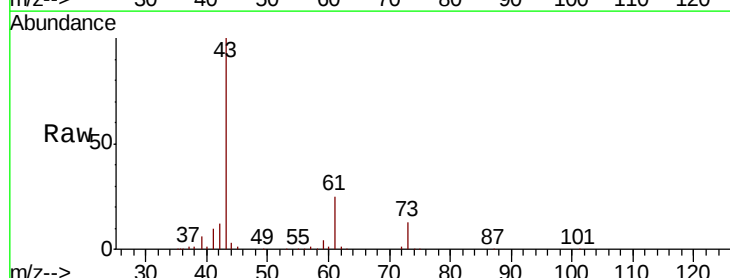
Acq: 15 Nov 2018 18:26

Tgt Ion: 63 Resp: 1064

Ion Ratio Lower Upper

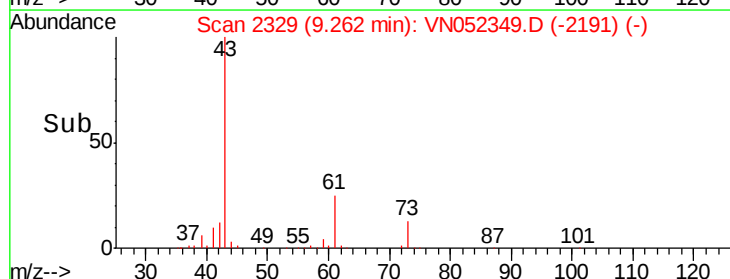
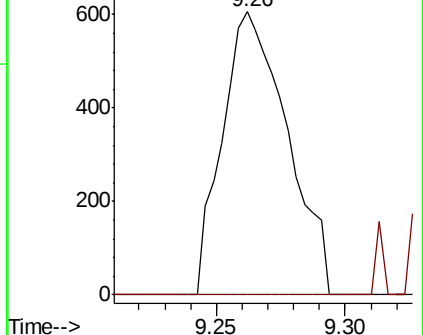
63 100

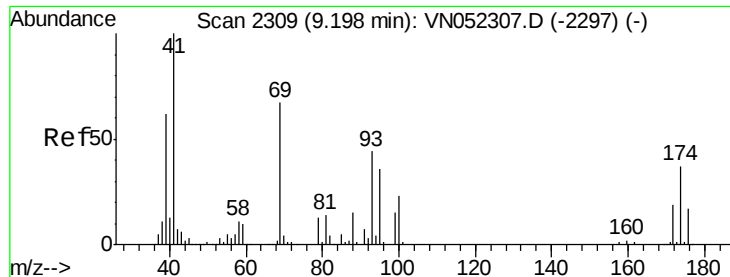
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN052349.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN052349.D (-2191) (-)

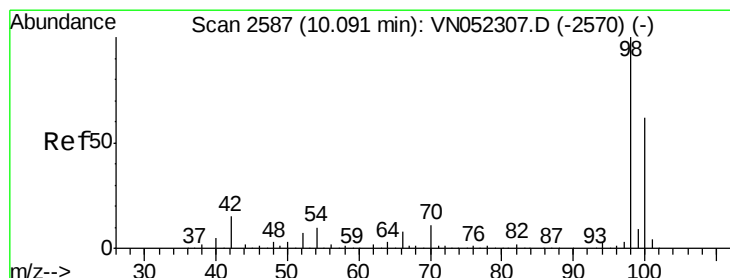
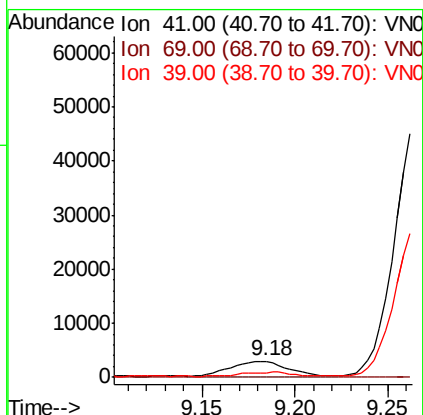
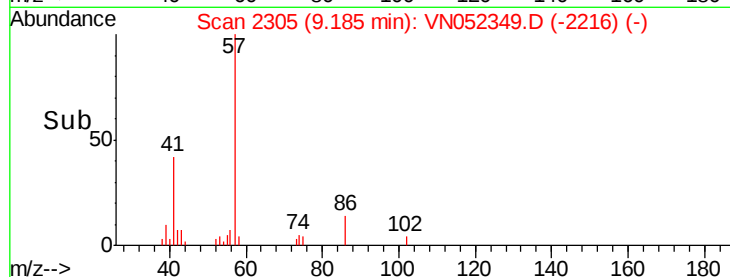
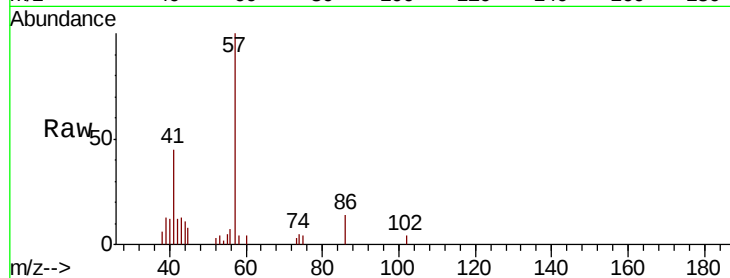




#48
Methvl methacrylate
Concen: 1.616 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN052349.D
Acq: 15 Nov 2018 18:26

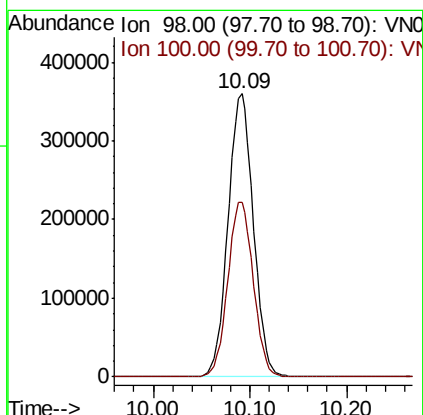
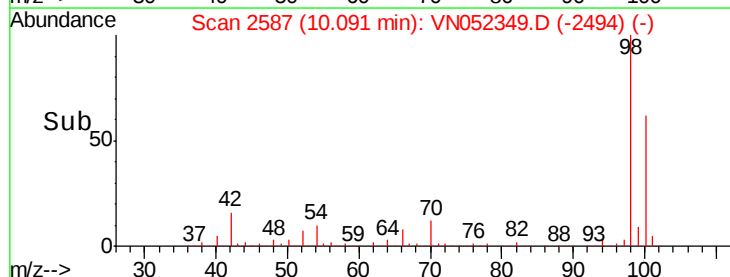
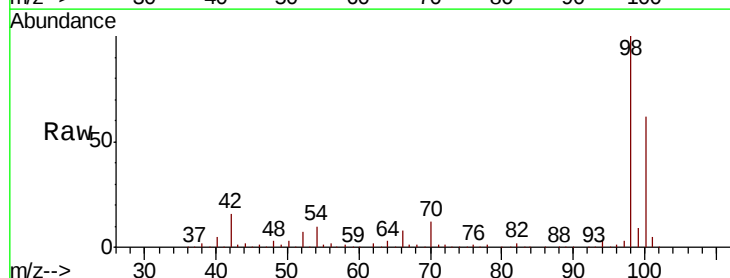
Instrument :
MSVOA_N
ClientSampled :

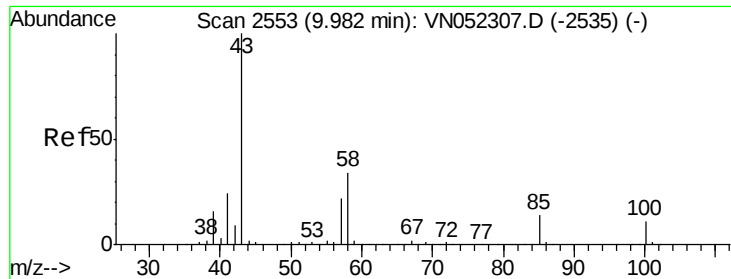
Tot Ion: 41 Resp: 5966
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 33.8 52.5 78.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052349.D
Acq: 15 Nov 2018 18:26

Tgt Ion: 98 Resp: 654078
Ion Ratio Lower Upper
98 100
100 62.2 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 2.055 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

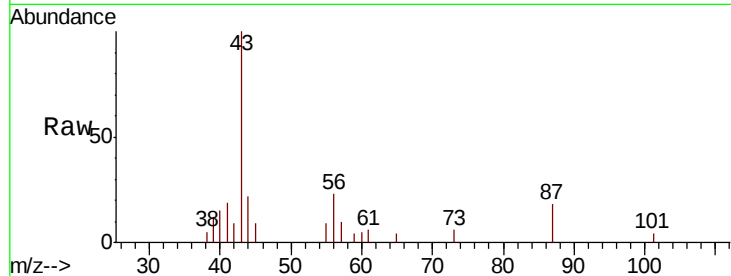
ClientSampled :

Tot Ion: 43 Resp: 7528

Ion Ratio Lower Upper

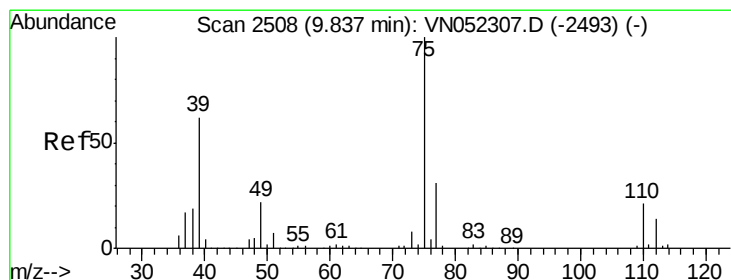
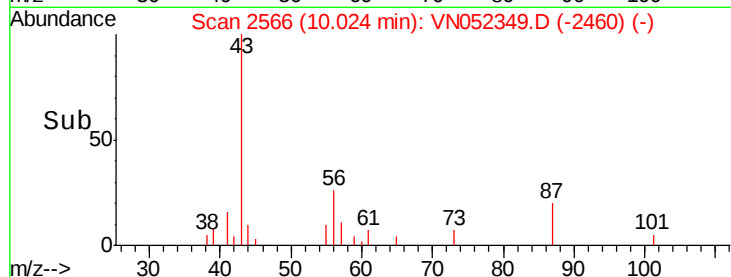
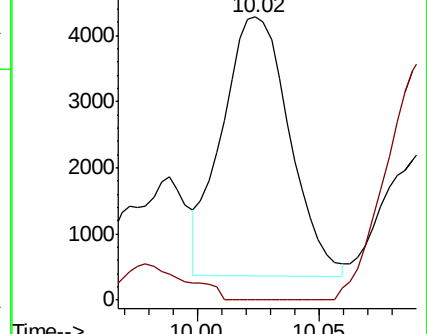
43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.841 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

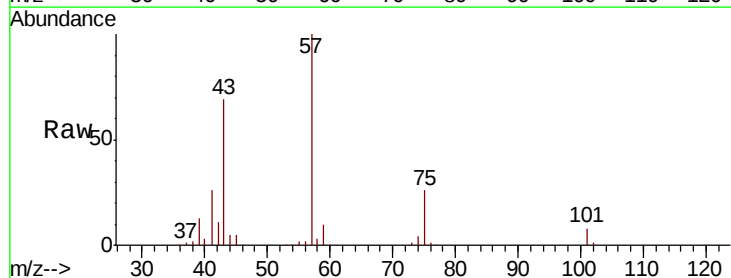
Tgt Ion: 75 Resp: 39356

Ion Ratio Lower Upper

75 100

77 0.9 24.6 36.8#

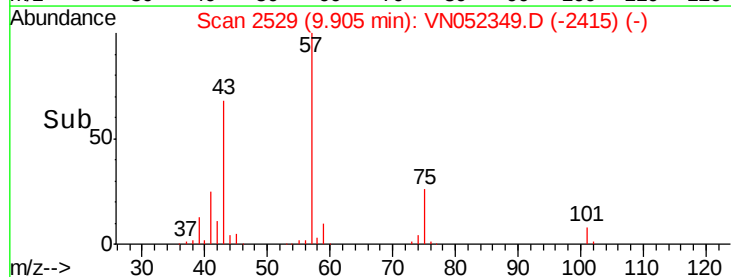
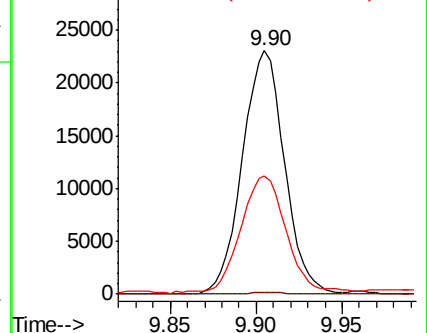
39 46.9 49.9 74.9#

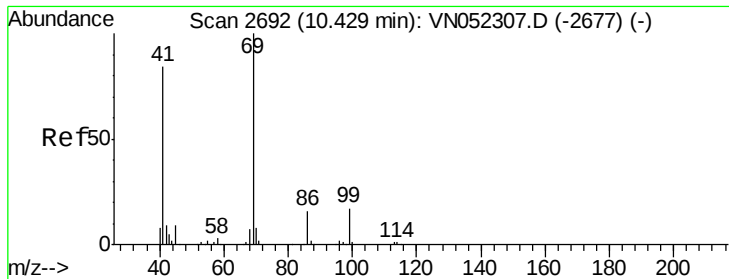


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.220 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

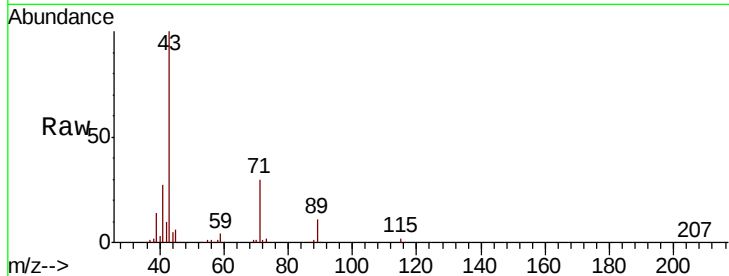
Tot Ion: 69 Resp: 931

Ion Ratio Lower Upper

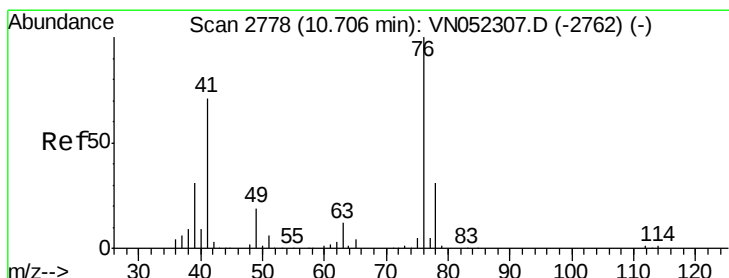
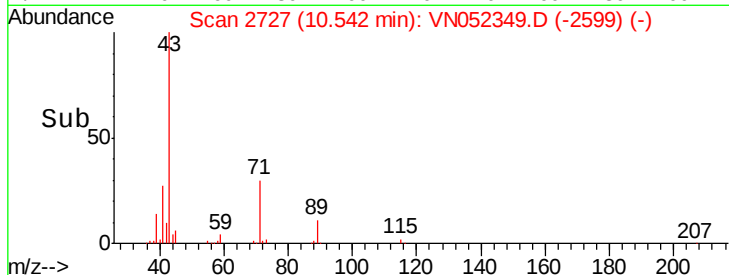
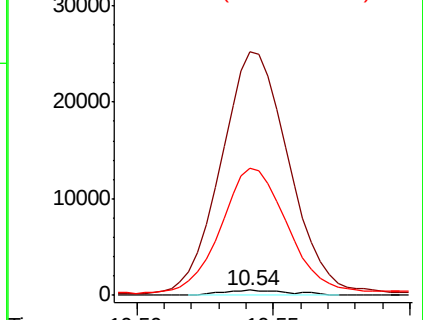
69 100

41 4625.5 64.8 97.2#

39 2357.1 41.0 61.6#



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



#57

1,3-Dichloropropane

Concen: 1.298 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052349.D

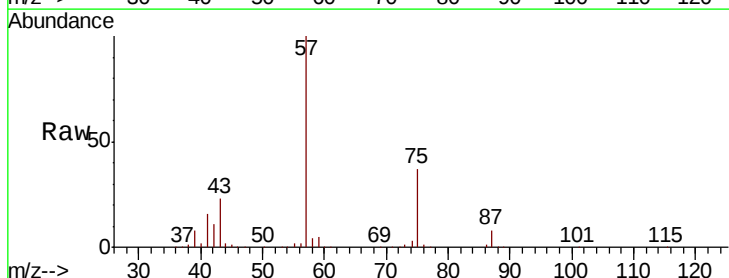
Acq: 15 Nov 2018 18:26

Tgt Ion: 76 Resp: 7401

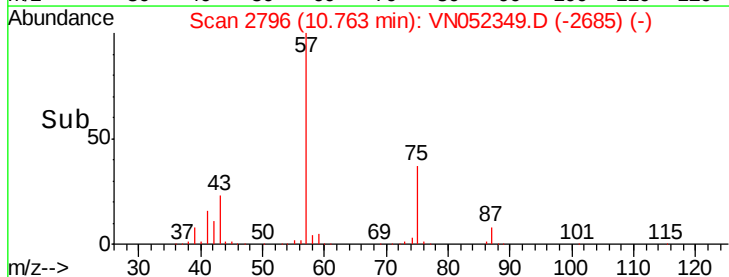
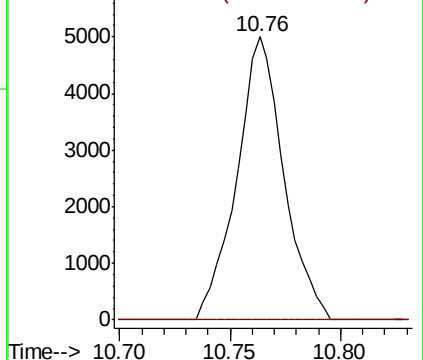
Ion Ratio Lower Upper

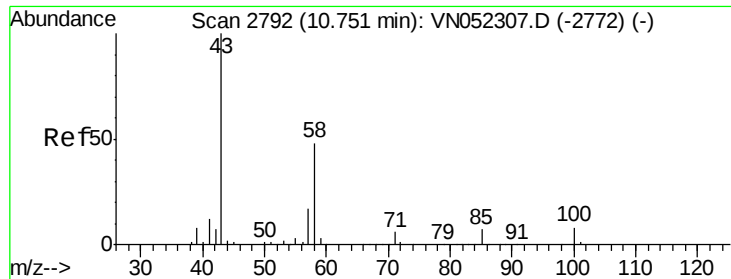
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC





#59

2-Hexanone

Concen: 51.465 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

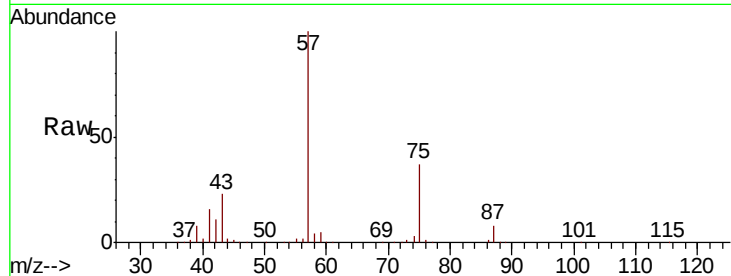
ClientSampleId :

Tot Ion: 43 Resp: 129649

Ion Ratio Lower Upper

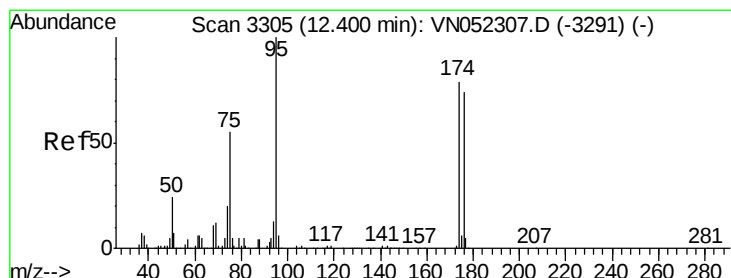
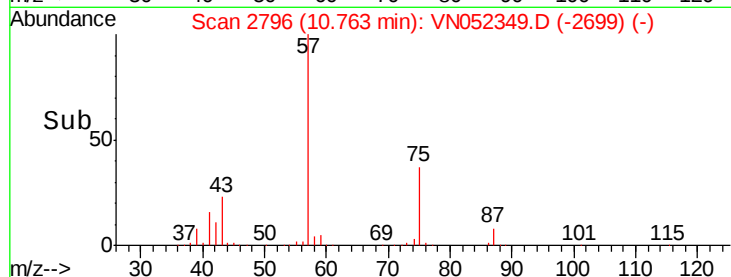
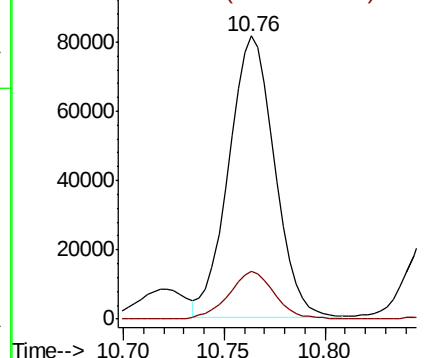
43 100

58 17.1 23.5 70.6#



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# 3305

Delta R.T. -0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

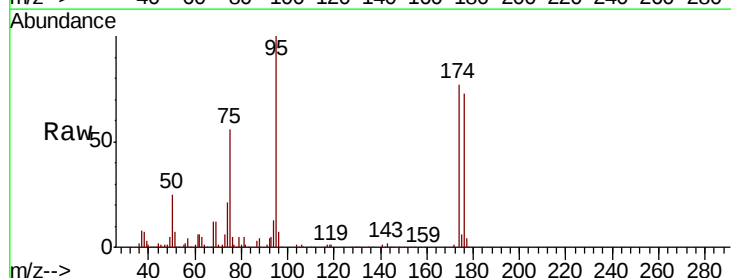
Tgt Ion: 95 Resp: 189467

Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.0

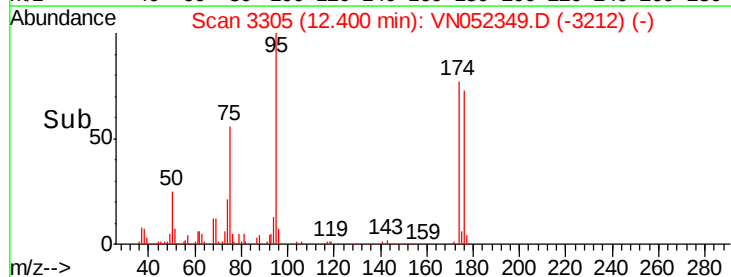
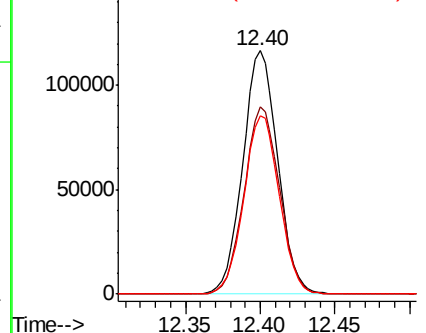
176 74.3 0.0 148.4

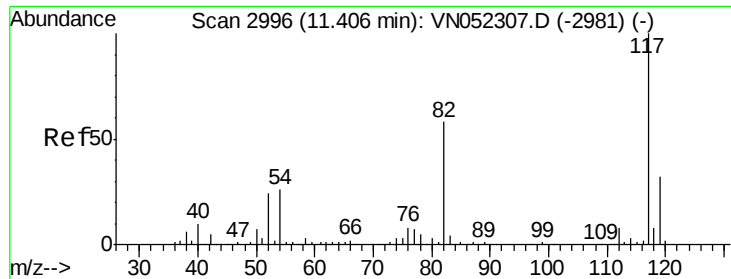


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

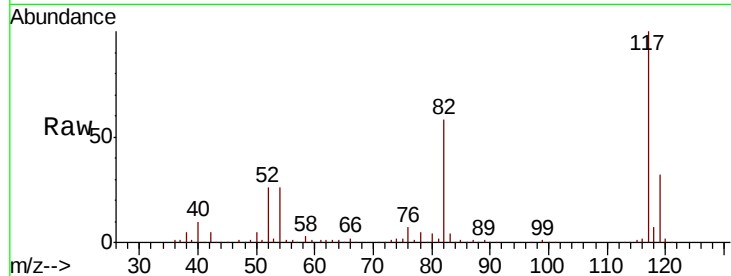




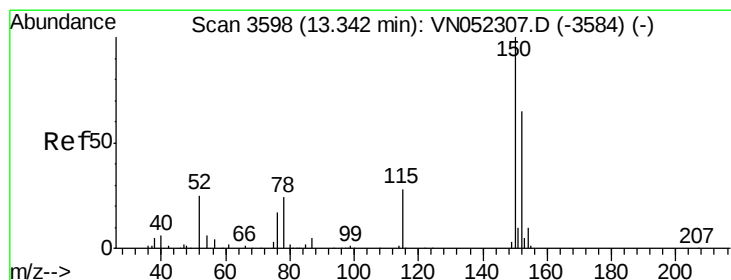
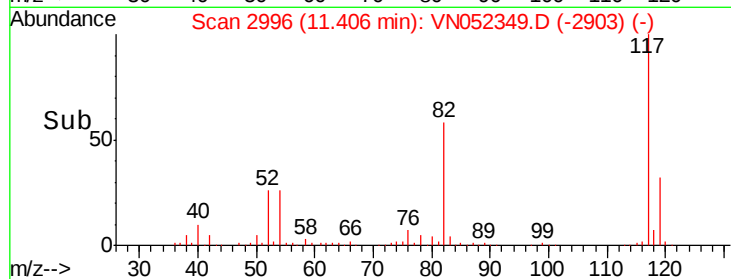
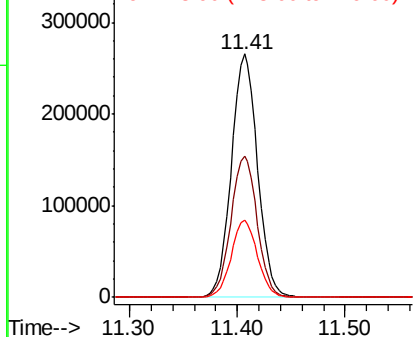
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052349.D
Acq: 15 Nov 2018 18:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 447024
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 31.6 25.7 38.5

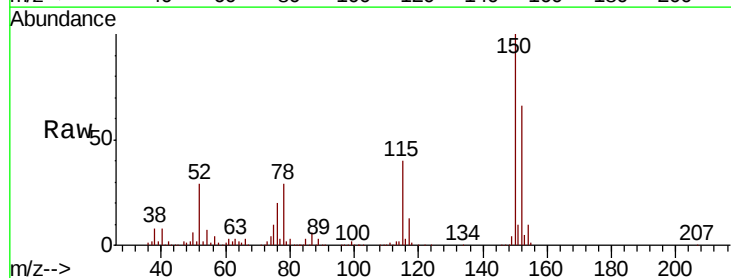


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

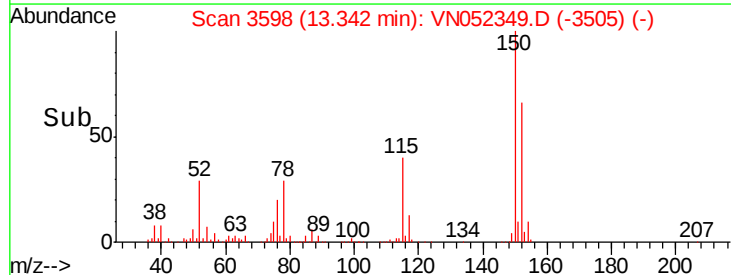
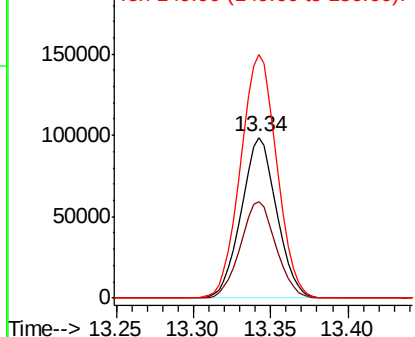


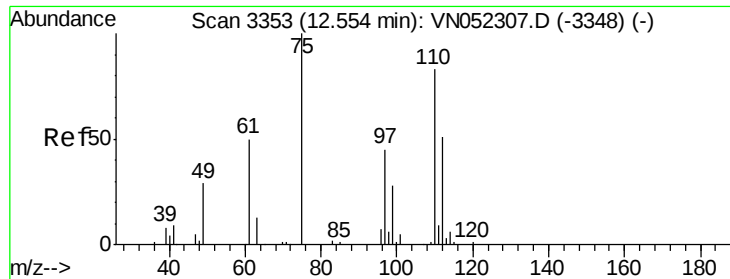
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052349.D
Acq: 15 Nov 2018 18:26

Tgt Ion:152 Resp: 157156
Ion Ratio Lower Upper
152 100
115 60.2 30.3 91.0
150 155.2 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

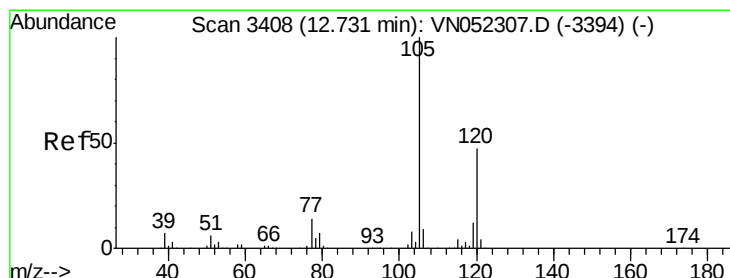
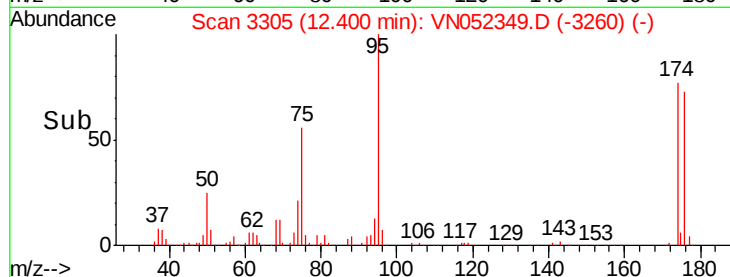
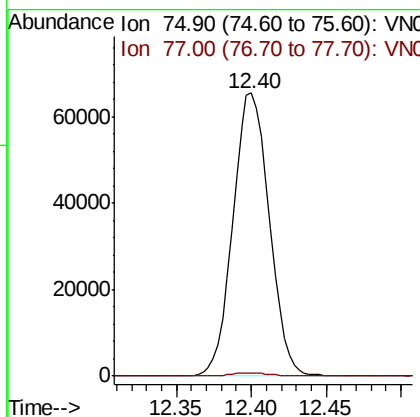
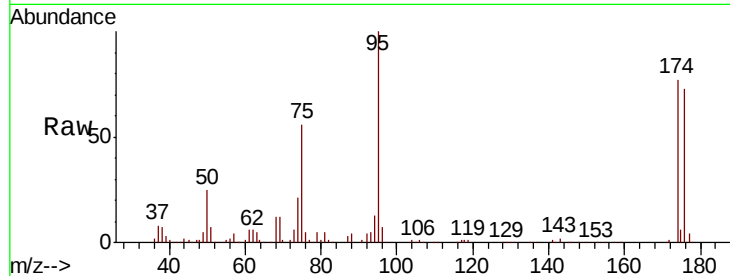




#76
 1,2,3-Trichloropropane
 Concen: 41.550 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052349.D
 Acq: 15 Nov 2018 18:26

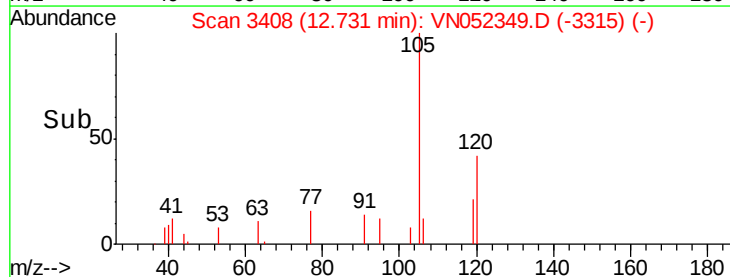
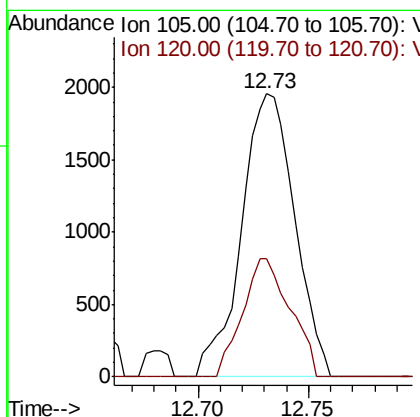
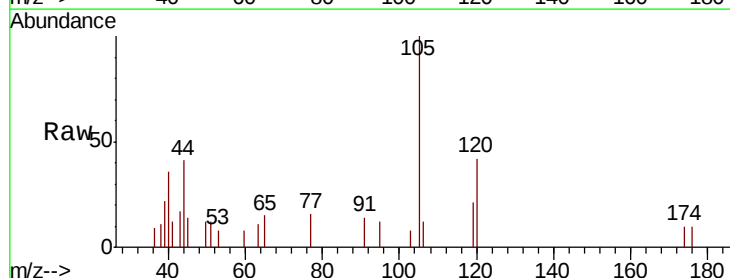
Instrument :
 MSVOA_N
 ClientSampled :

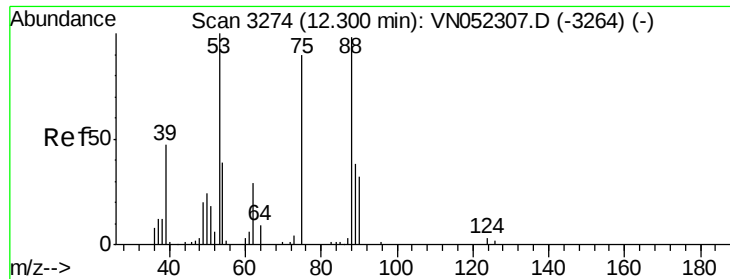
Tot Ion: 75 Resp: 110799
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.326 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052349.D
 Acq: 15 Nov 2018 18:26

Tgt Ion: 105 Resp: 3273
 Ion Ratio Lower Upper
 105 100
 120 37.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 134.763 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

Instrument :

MSVOA_N

ClientSampled :

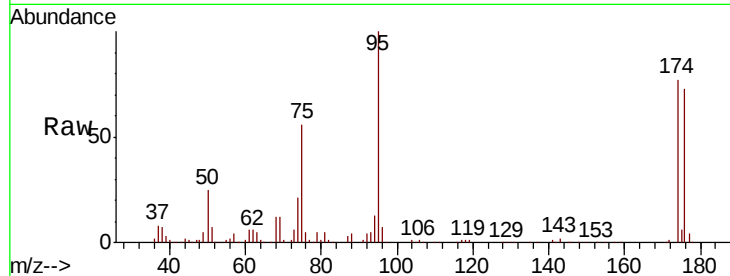
Tot Ion: 75 Resp: 110799

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

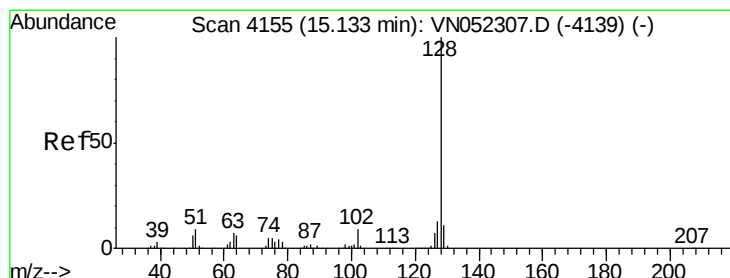
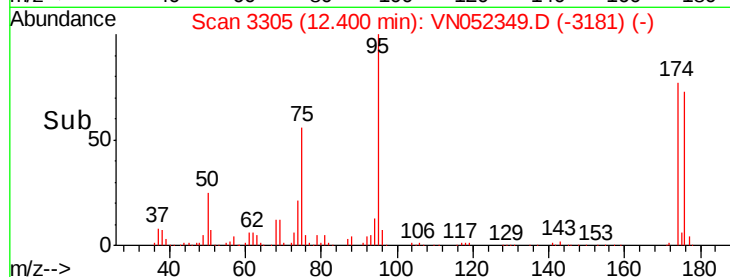
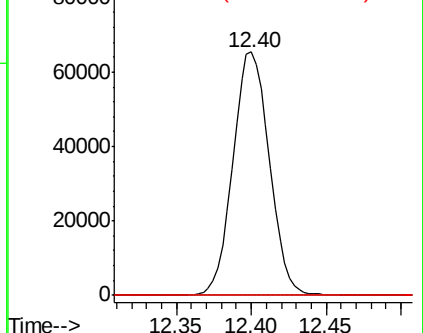
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#95

Naphthalene

Concen: 3.428 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052349.D

Acq: 15 Nov 2018 18:26

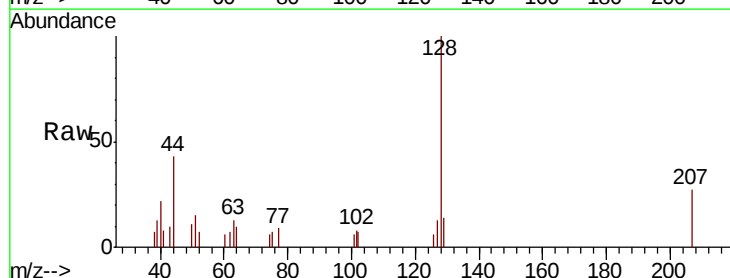
Tgt Ion:128 Resp: 4831

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN052307.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN052307.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN052307.D (-4139) (-)

