

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052275.D
 Acq On : 12 Nov 2018 20:58
 Operator : MD\SY
 Sample : PB114678ZHE#19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#19

Quant Time: Nov 13 00:18:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	313096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	544537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	462946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	214671	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.59	113	169007	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.09	98	681624	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	195434	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds

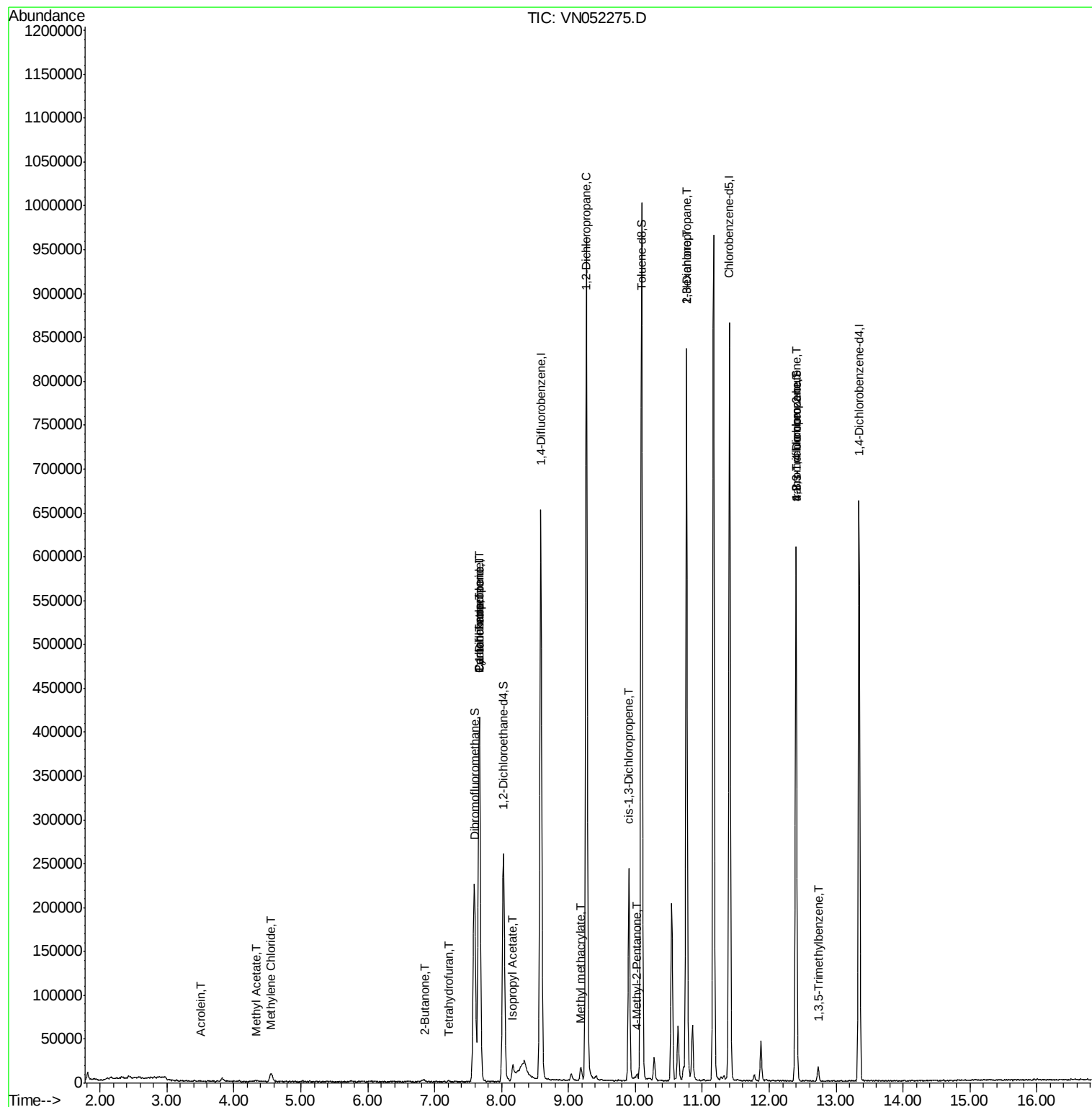
					Qvalue	
13) Acrolein	3.50	56	30	34.175	ug/l #	12
16) Acetone	3.82	43	5368	Below Cal		95
18) Methyl Acetate	4.33	43	1071	0.299	ug/l #	71
20) Methylene Chloride	4.56	84	4241	1.086	ug/l	95
25) 2-Butanone	6.85	43	391	0.214	ug/l #	52
29) Tetrahydrofuran	7.22	42	602	0.506	ug/l #	40
31) Cyclohexane	7.67	56	8661	0.627	ug/l #	24
36) 1,1-Dichloropropene	7.67	75	28500	5.185	ug/l #	51
38) Carbon Tetrachloride	7.66	117	32830	6.591	ug/l #	17
43) Isopropyl Acetate	8.17	43	25445	3.531	ug/l #	85
45) 1,2-Dichloropropane	9.27	63	1374	0.313	ug/l #	44
48) Methyl methacrylate	9.18	41	4918	1.295	ug/l #	15
51) 4-Methyl-2-Pentanone	10.02	43	5679	1.427	ug/l #	40
54) cis-1,3-Dichloropropene	9.90	75	39315	6.451	ug/l #	70
57) 1,3-Dichloropropane	10.76	76	7606	1.238	ug/l #	43
59) 2-Hexanone	10.76	43	134572	48.174	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	108509	38.240	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8517	0.817	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	108509	130.530	ug/l #	8

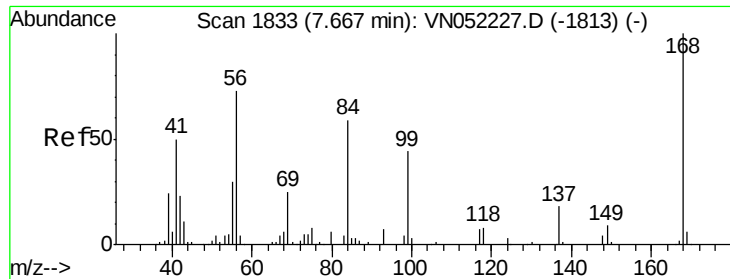
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 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: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

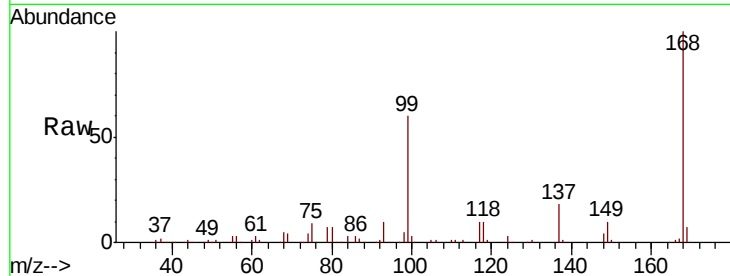
PB114678ZHE#19

Tot Ion:168 Resp: 313096

Ion Ratio Lower Upper

168 100

99 60.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

150000

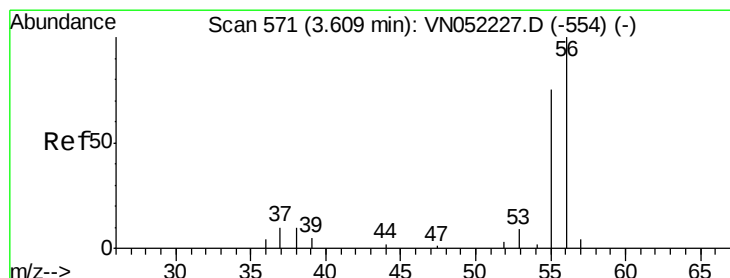
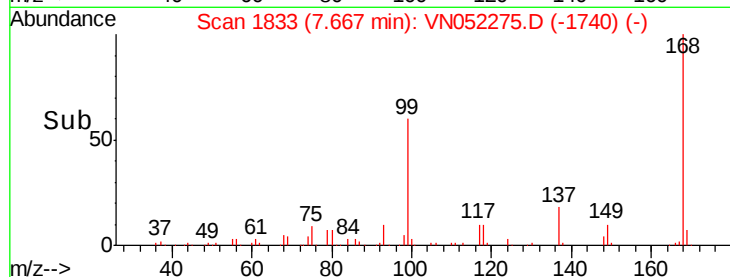
100000

50000

0

7.60 7.70

Time-->



#13

Acrolein

Concen: 34.175 ug/l

RT: 3.50 min Scan# 537

Delta R.T. -0.11 min

Lab File: VN052275.D

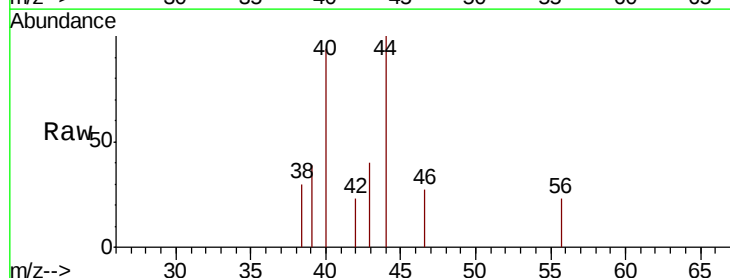
Acq: 12 Nov 2018 20:58

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052227.D (-554) (-)

3.50

150

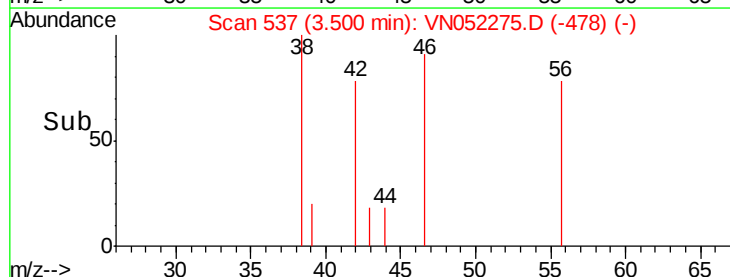
100

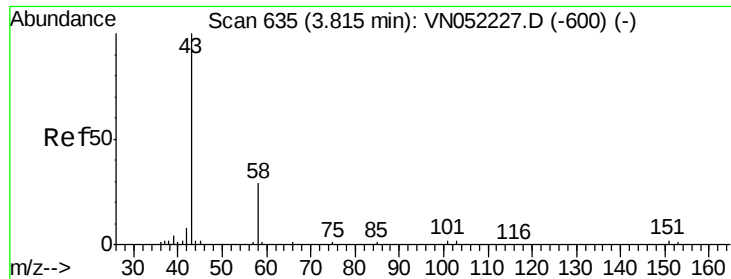
50

0

3.49 3.50 3.51

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

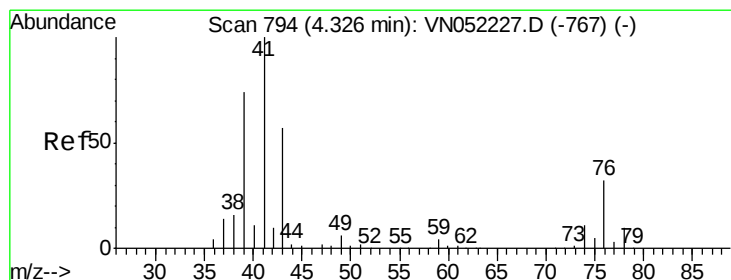
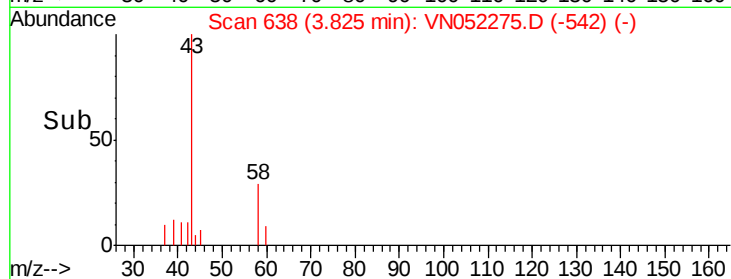
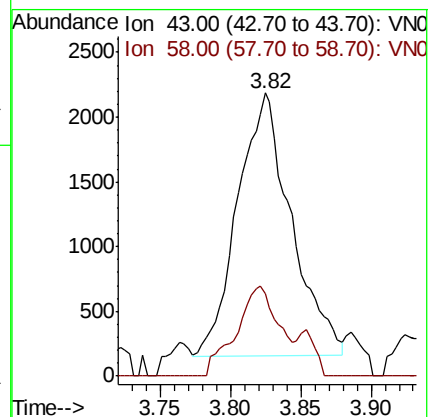
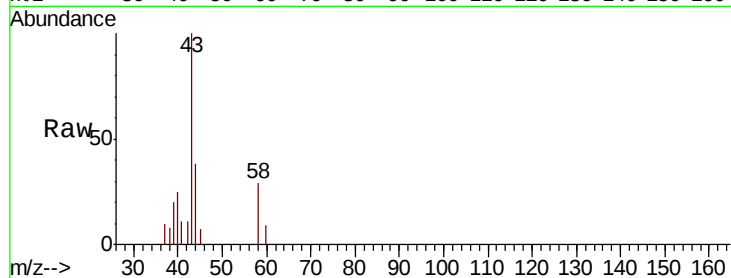
PB114678ZHE#19

Tot Ion: 43 Resp: 5368

Ion Ratio Lower Upper

43 100

58 31.7 23.0 34.6



#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052275.D

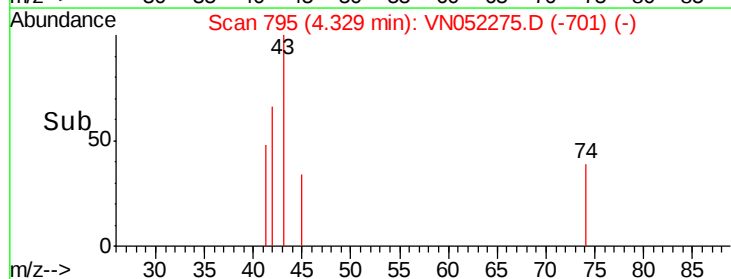
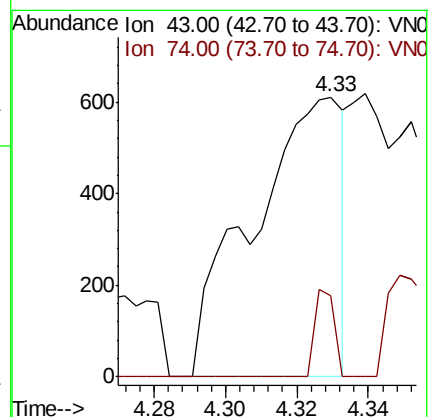
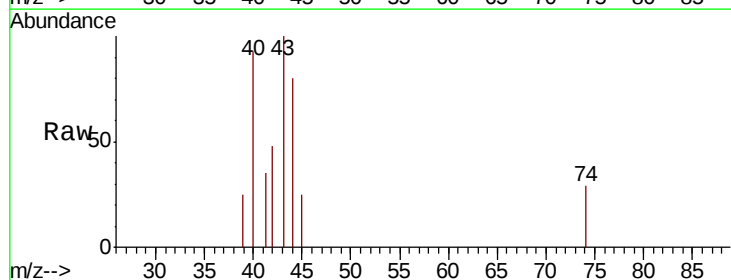
Acq: 12 Nov 2018 20:58

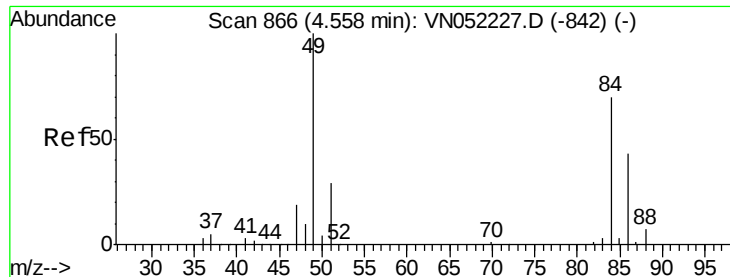
Tgt Ion: 43 Resp: 1071

Ion Ratio Lower Upper

43 100

74 6.6 16.2 24.2#

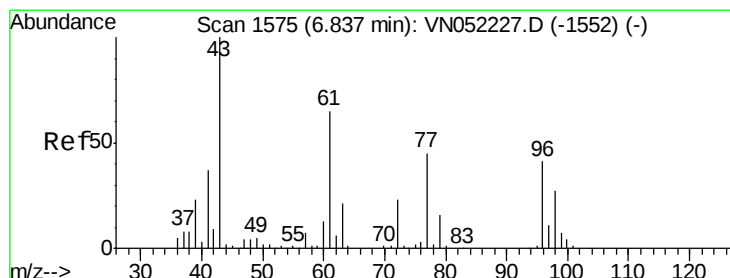
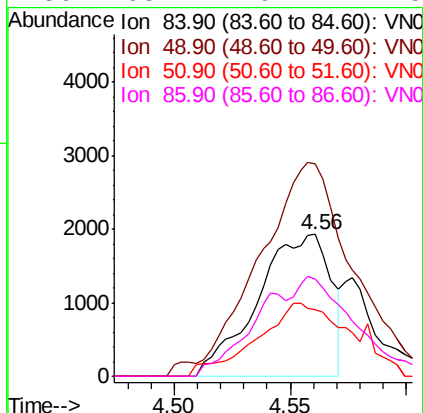
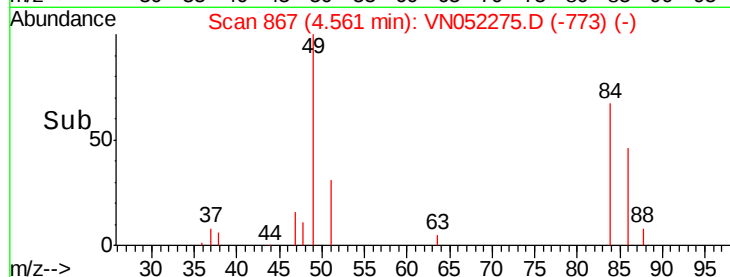
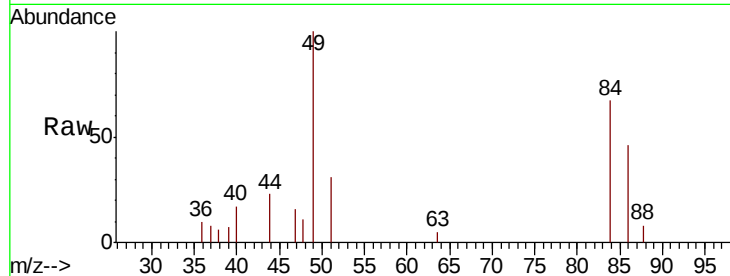




#20
Methvlene Chloride
Concen: 1.086 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN052275.D
Acq: 12 Nov 2018 20:58

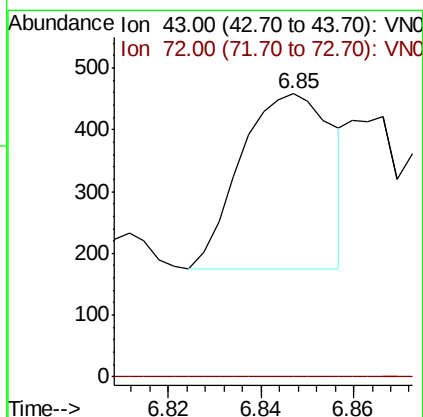
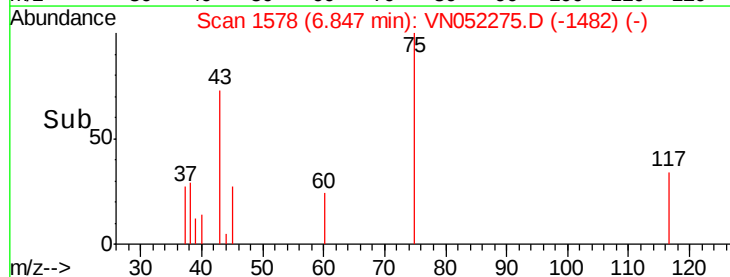
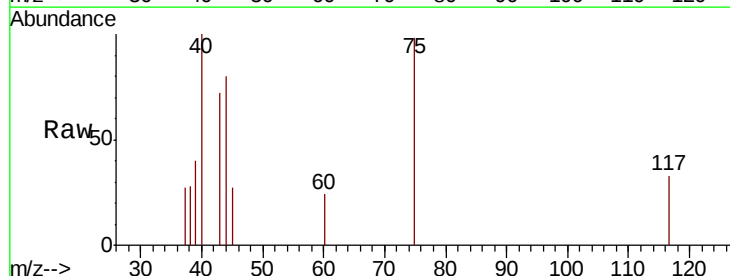
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#19

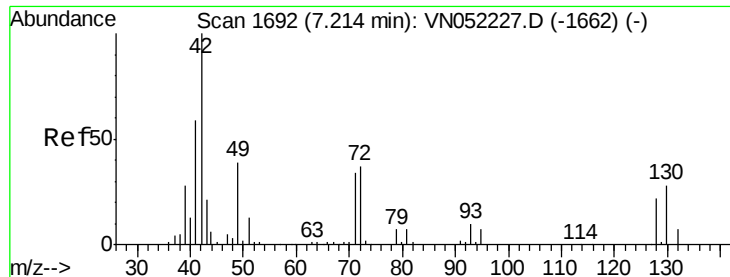
Tot Ion: 84 Resp: 4241
Ion Ratio Lower Upper
84 100
49 139.8 114.8 172.2
51 46.8 33.1 49.7
86 68.2 49.7 74.5



#25
2-Butanone
Concen: 0.214 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052275.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#29

Tetrahydrofuran

Concen: 0.506 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#19

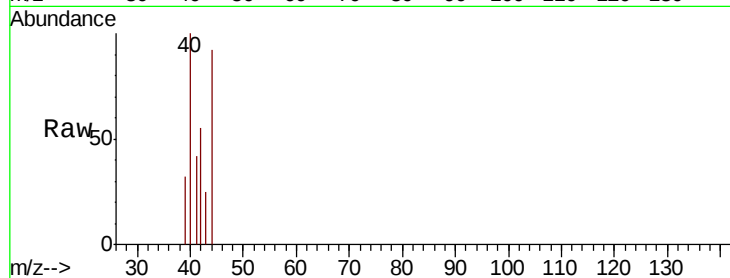
Tot Ion: 42 Resp: 602

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

71 0.0 27.1 40.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

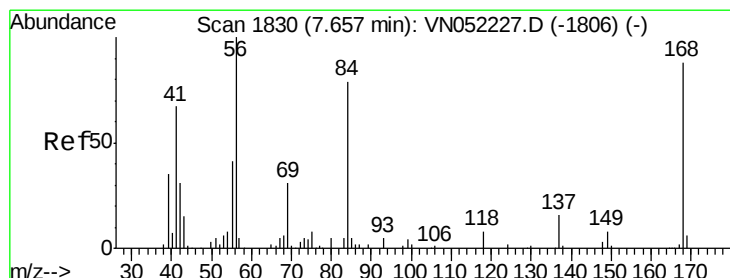
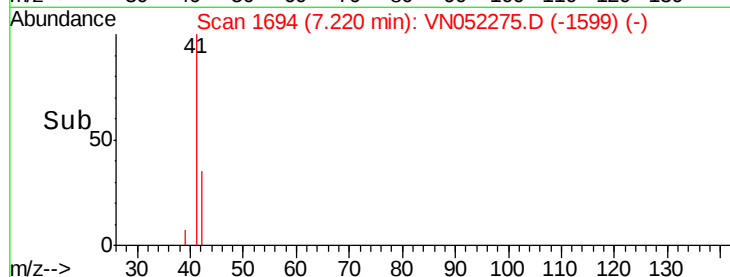
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.22

7.18 7.20 7.22 7.24

Time-->



#31

Cyclohexane

Concen: 0.627 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

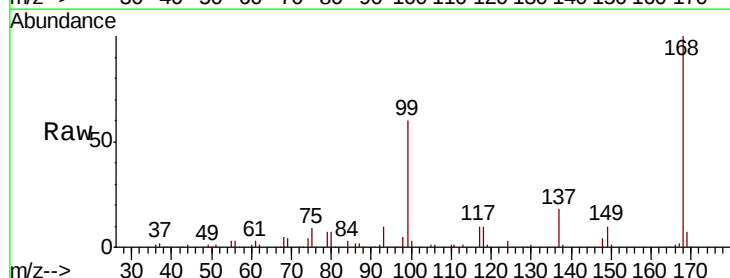
Tgt Ion: 56 Resp: 8661

Ion Ratio Lower Upper

56 100

69 137.5 24.8 37.2#

84 104.9 63.1 94.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

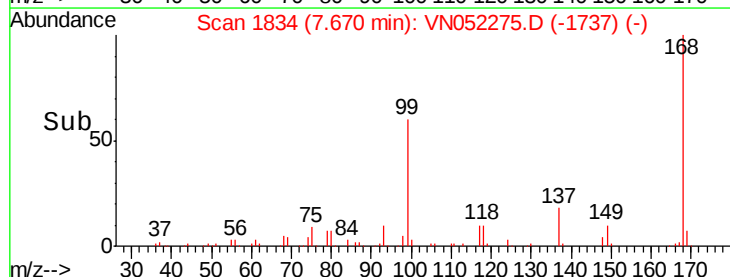
Ion 69.00 (68.70 to 69.70): VN0

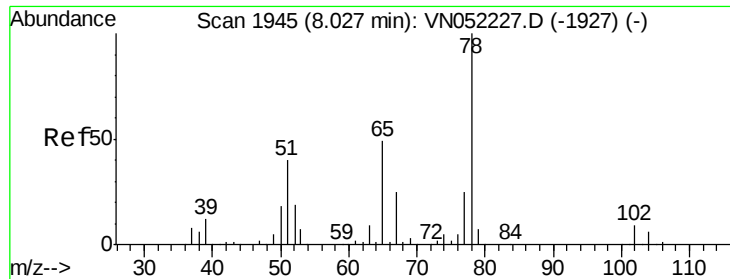
Ion 84.00 (83.70 to 84.70): VN0

7.67

7.60 7.65 7.70

Time-->

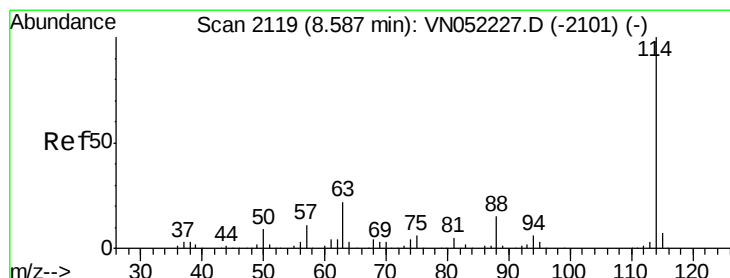
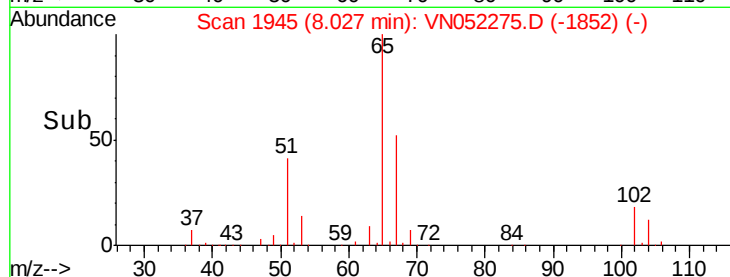
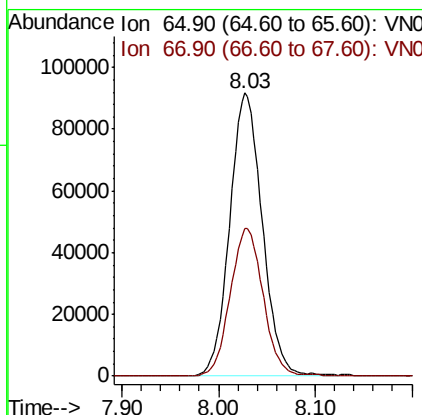
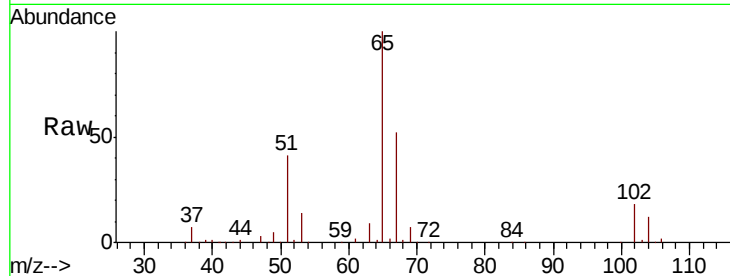




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052275.D
 Acq: 12 Nov 2018 20:58

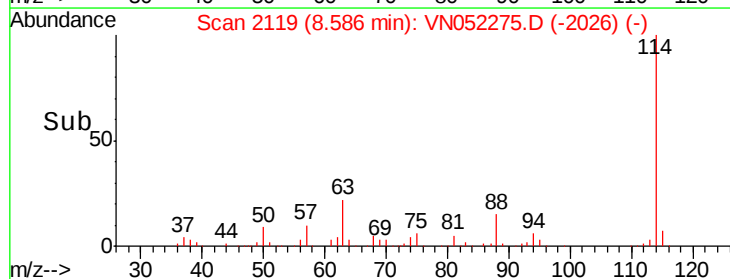
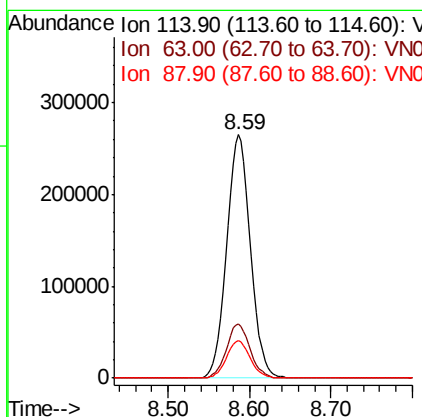
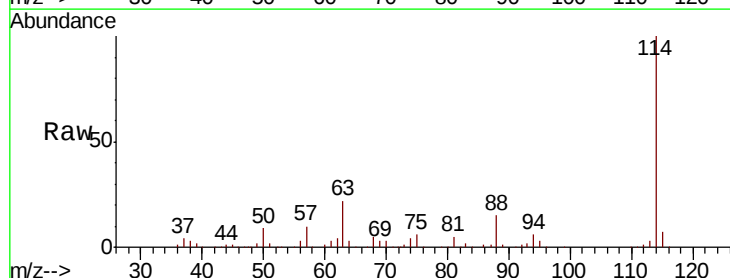
Instrument :
 MSVOA_N
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 PB114678ZHE#19

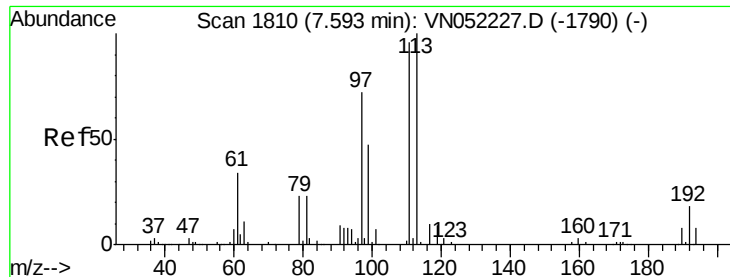
Tot Ion: 65 Resp: 214671
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052275.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 114 Resp: 544537
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#19

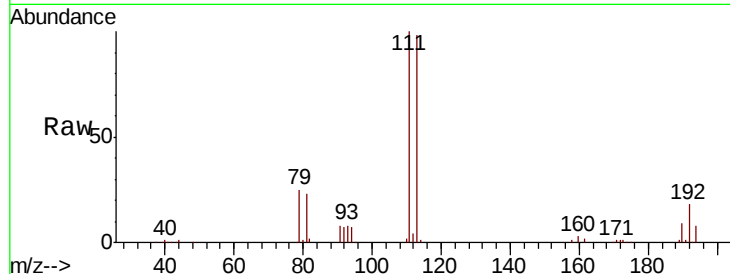
Tot Ion:113 Resp: 169007

Ion Ratio Lower Upper

113 100

111 103.9 80.2 120.4

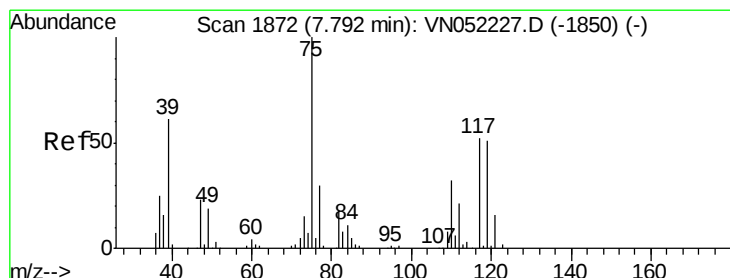
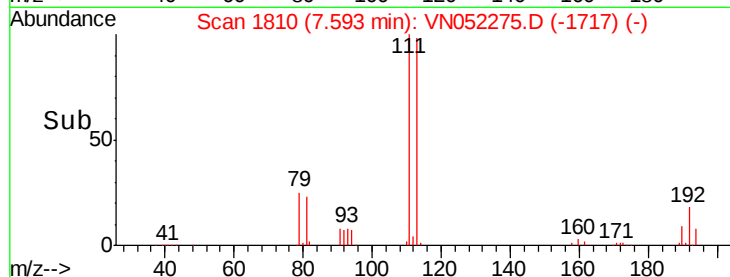
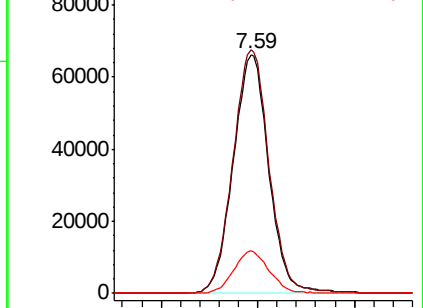
192 17.8 14.1 21.1



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: 5.185 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

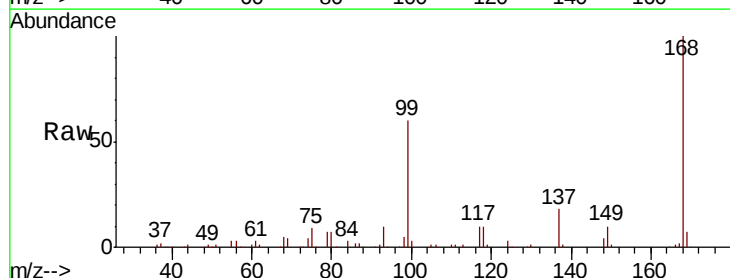
Tgt Ion: 75 Resp: 28500

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.4#

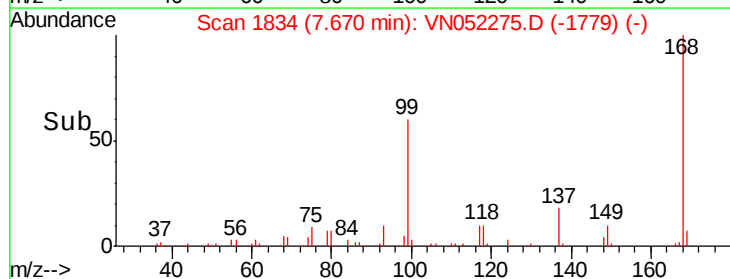
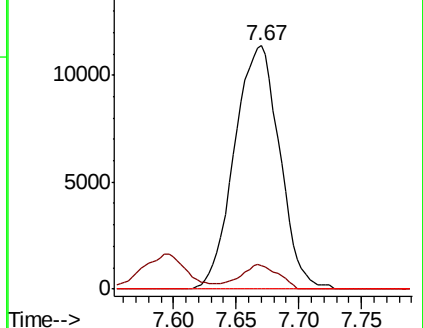
77 0.0 23.9 35.9#

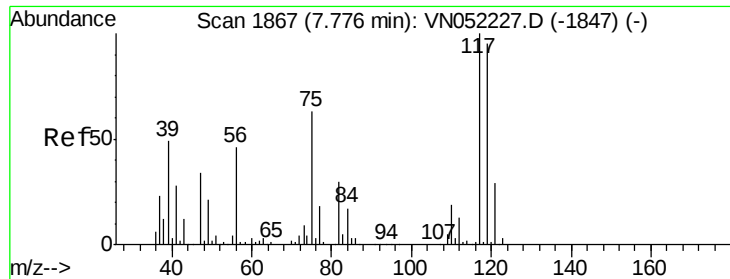


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.591 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#19

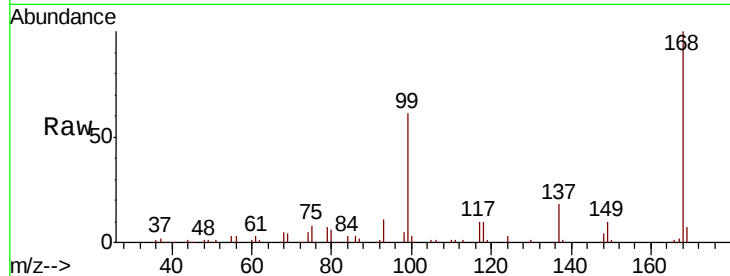
Tot Ion:117 Resp: 32830

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

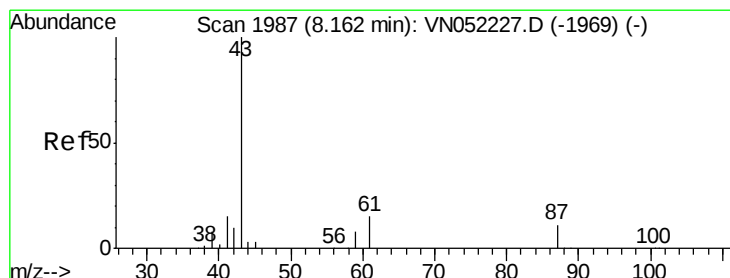
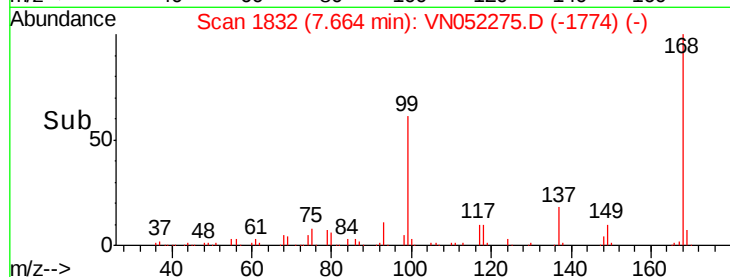
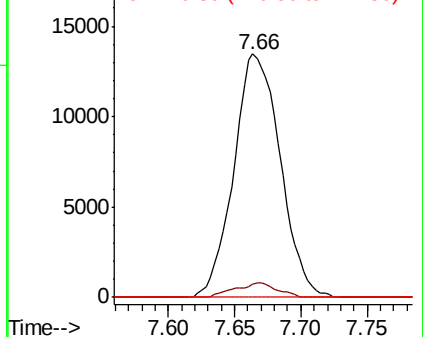
121 0.0 23.4 35.2#



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: 3.531 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

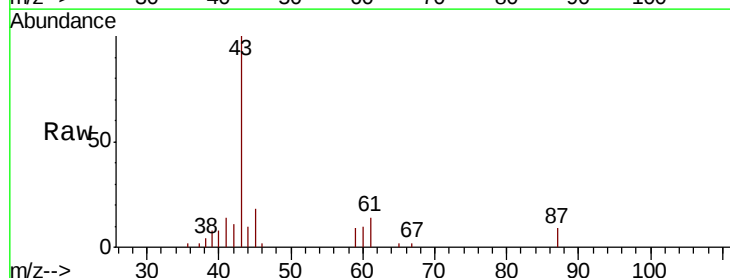
Tgt Ion: 43 Resp: 25445

Ion Ratio Lower Upper

43 100

61 12.1 14.2 21.4#

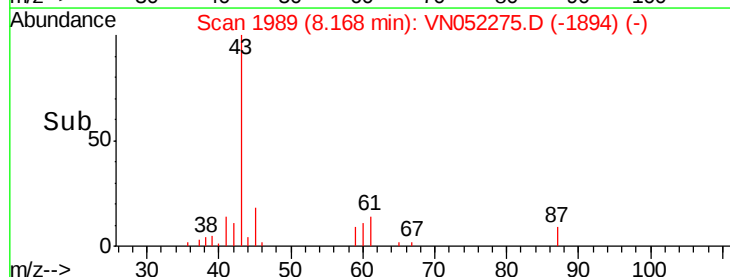
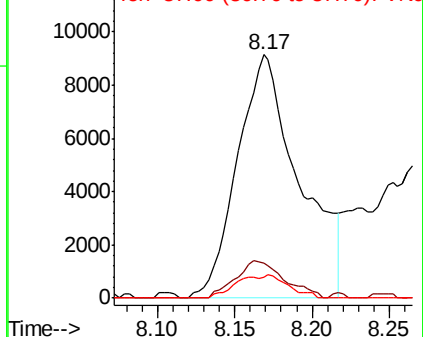
87 3.8 8.4 12.6#

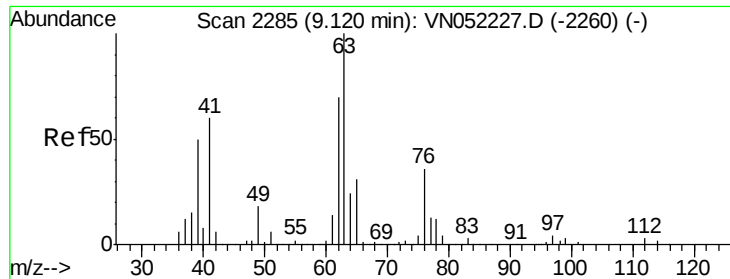


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

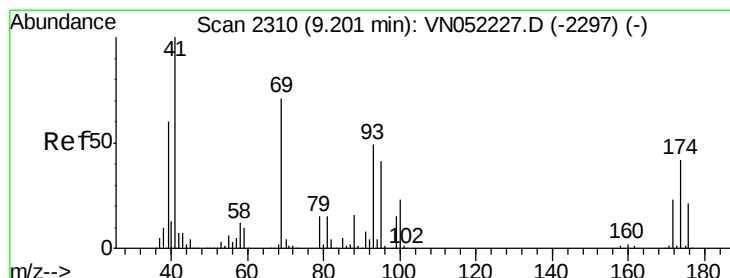
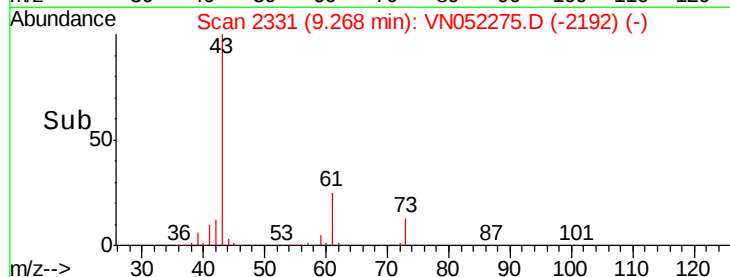
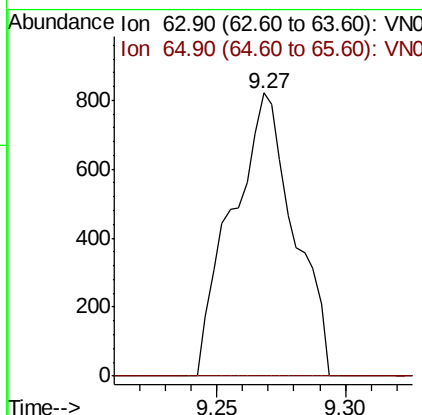
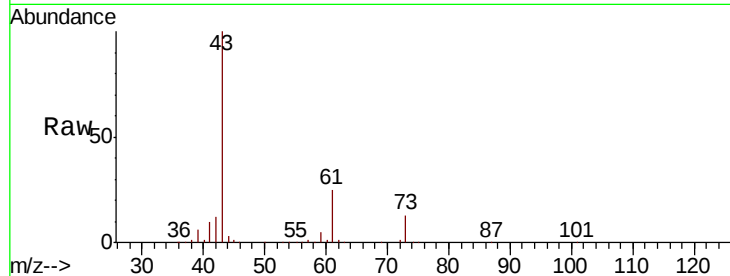




#45
 1,2-Dichloropropane
 Concen: 0.313 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052275.D
 Acq: 12 Nov 2018 20:58

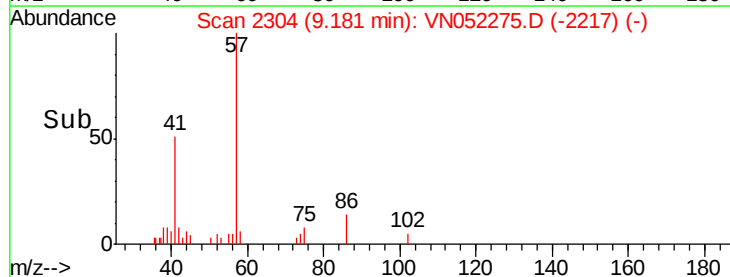
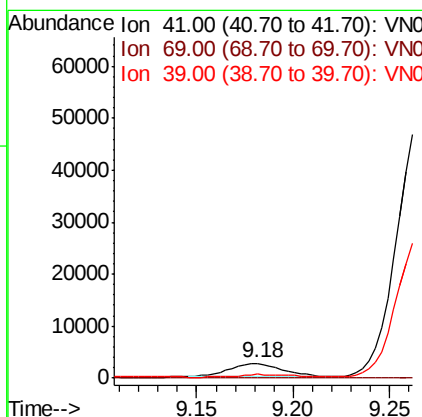
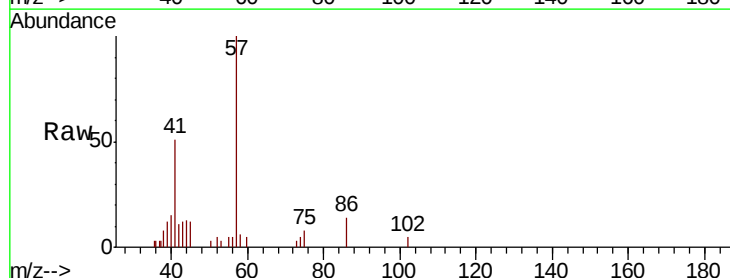
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#19

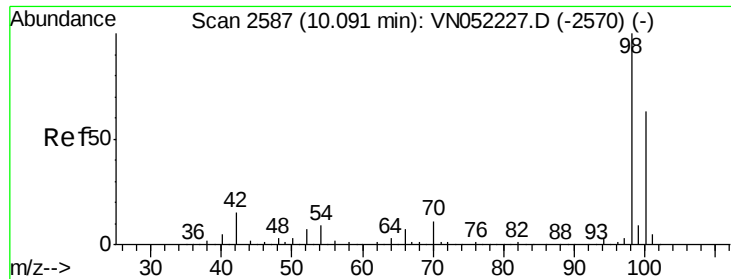
Tot Ion: 63 Resp: 1374
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.295 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052275.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 41 Resp: 4918
 Ion Ratio Lower Upper
 41 100
 69 0.0 58.8 88.2#
 39 0.0 50.7 76.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

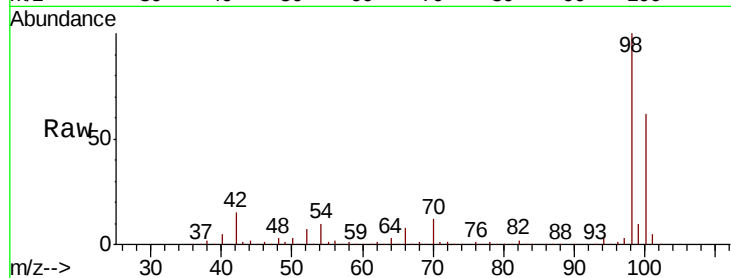
PB114678ZHE#19

Tot Ion: 98 Resp: 681624

Ion Ratio Lower Upper

98 100

100 62.3 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

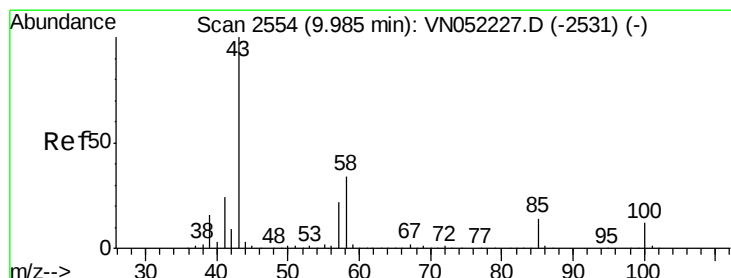
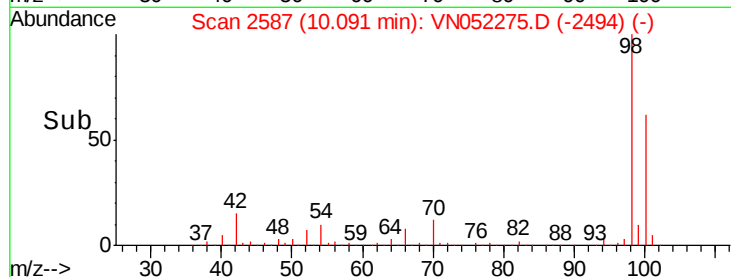
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.427 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052275.D

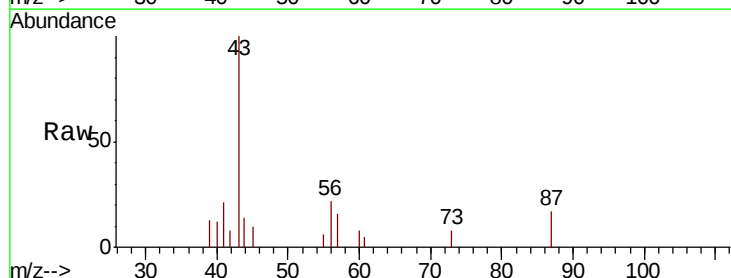
Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 5679

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

4000

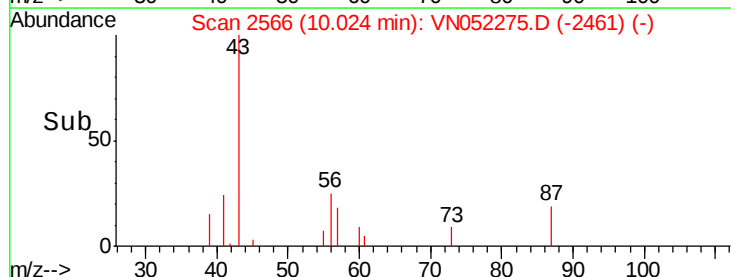
3000

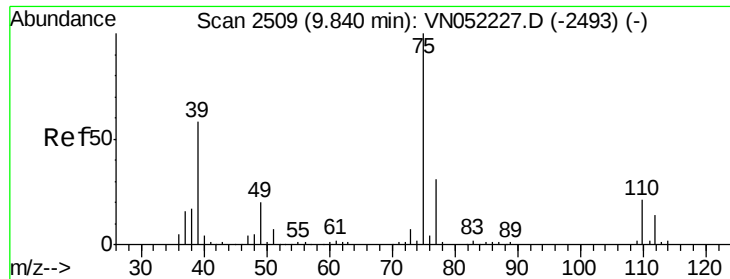
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.451 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#19

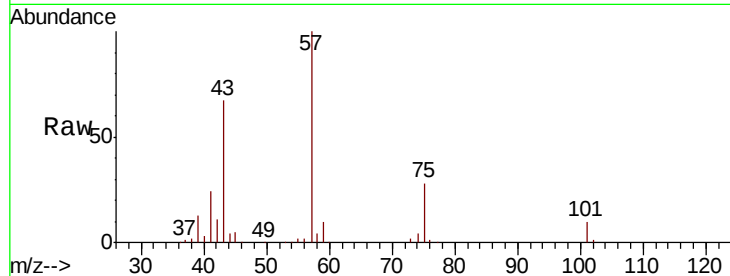
Tot Ion: 75 Resp: 39315

Ion Ratio Lower Upper

75 100

77 1.1 25.2 37.8#

39 46.0 46.6 70.0#

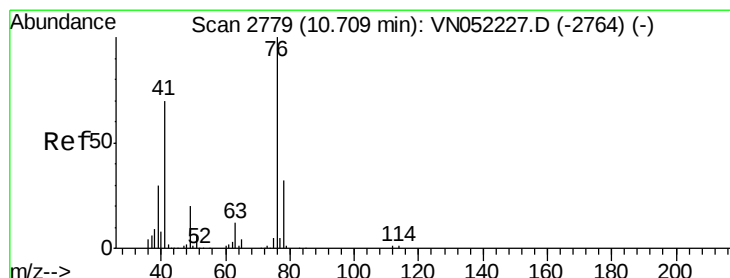
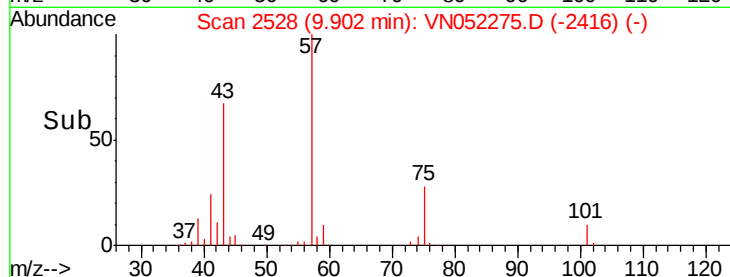
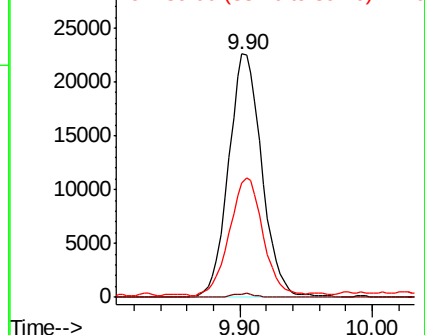


Abundance

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



#57

1,3-Dichloropropane

Concen: 1.238 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052275.D

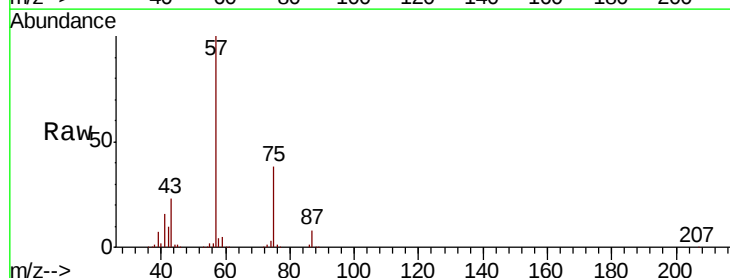
Acq: 12 Nov 2018 20:58

Tgt Ion: 76 Resp: 7606

Ion Ratio Lower Upper

76 100

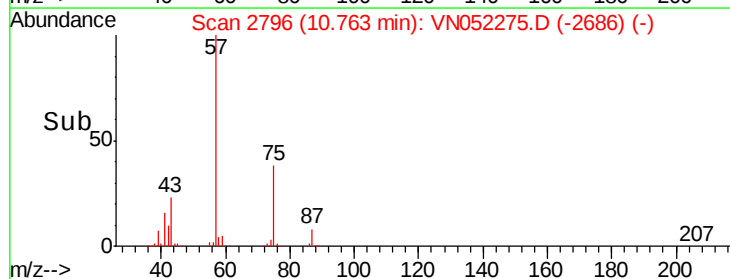
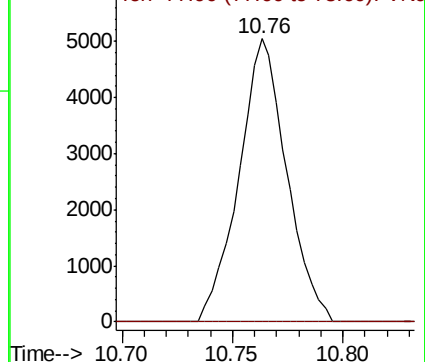
78 0.0 25.7 38.5#

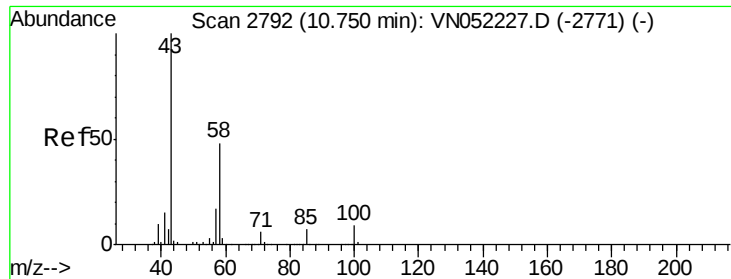


Abundance

Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

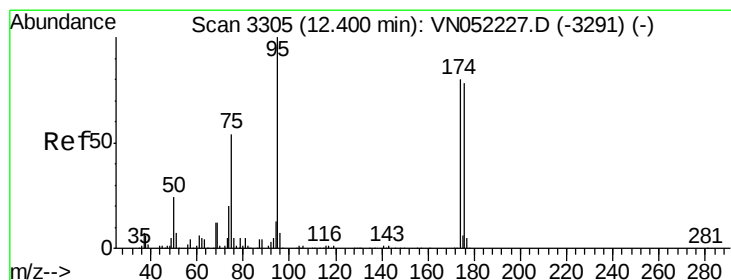
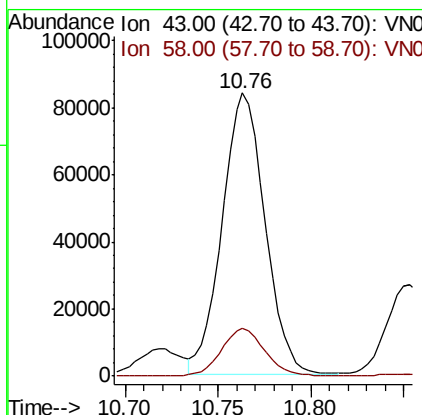
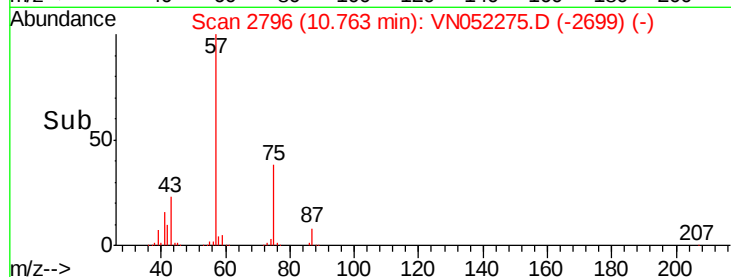
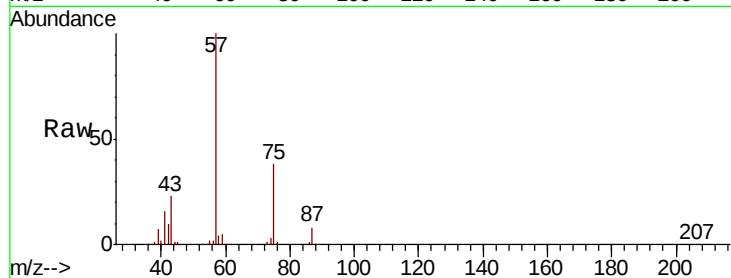




#59
2-Hexanone
Concen: 48.174 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052275.D
Acq: 12 Nov 2018 20:58

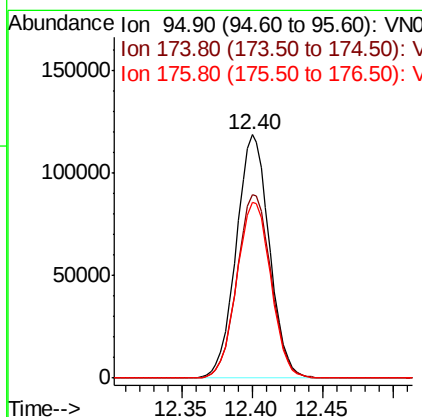
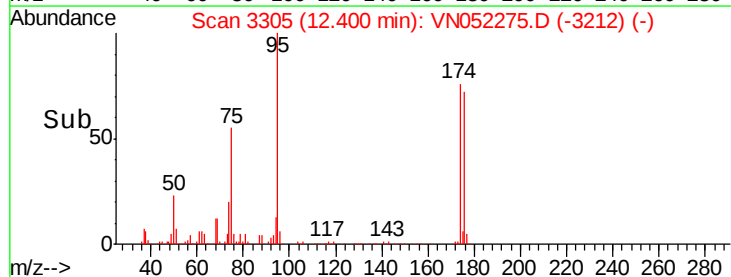
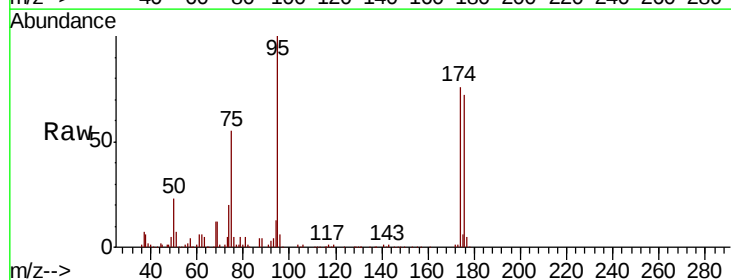
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#19

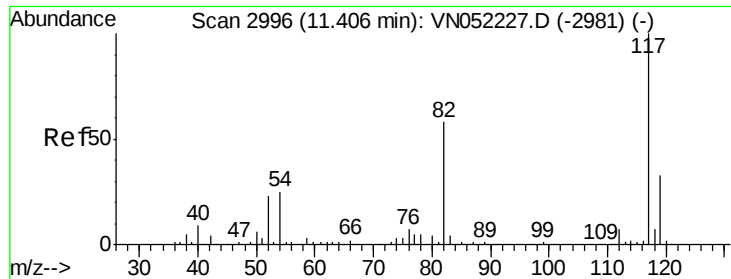
Tot Ion: 43 Resp: 134572
Ion Ratio Lower Upper
43 100
58 17.2 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052275.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 95 Resp: 195434
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 74.6 0.0 157.8

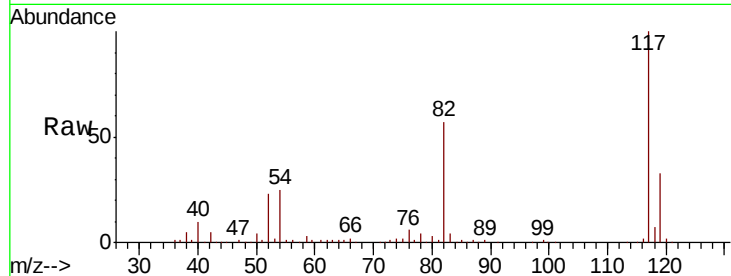




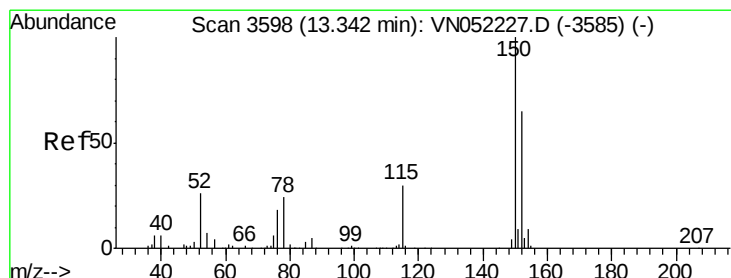
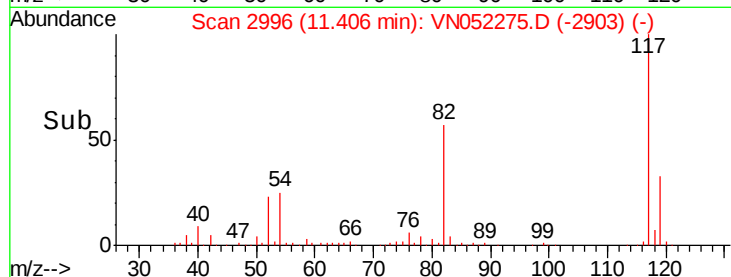
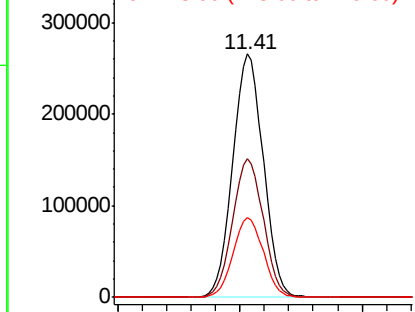
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052275.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#19

Tot Ion:117 Resp: 462946
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.2
119 32.6 26.2 39.4

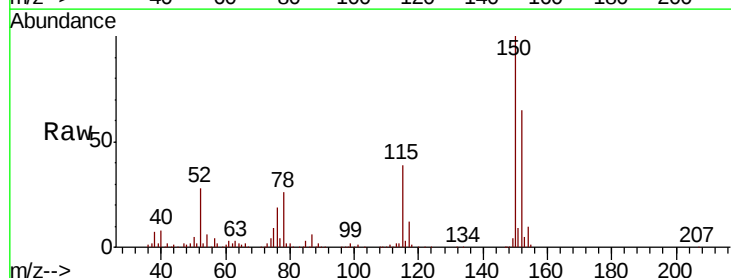


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

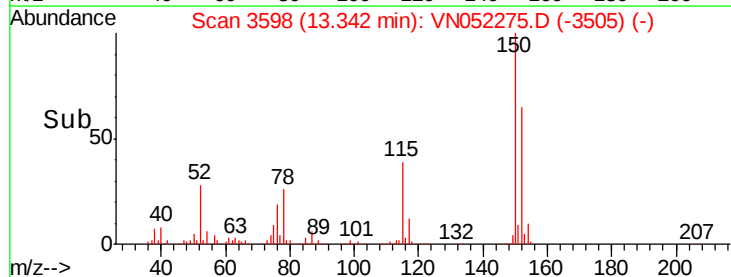
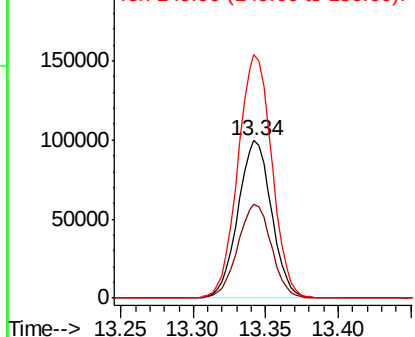


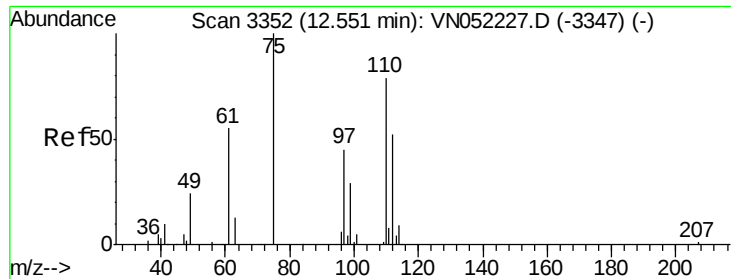
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052275.D
Acq: 12 Nov 2018 20:58

Tgt Ion:152 Resp: 160382
Ion Ratio Lower Upper
152 100
115 59.7 29.8 89.5
150 156.2 0.0 350.2



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

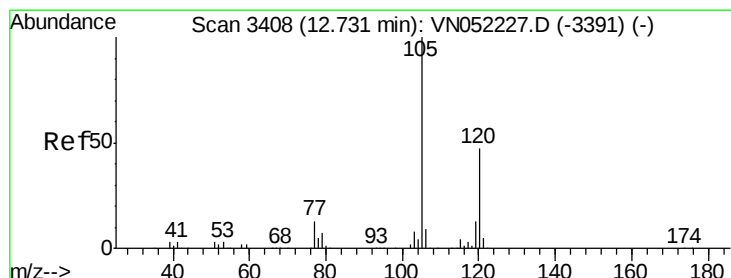
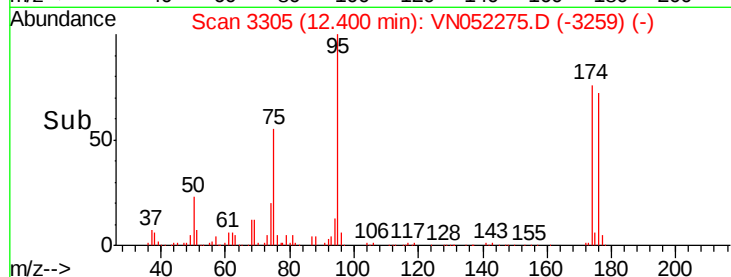
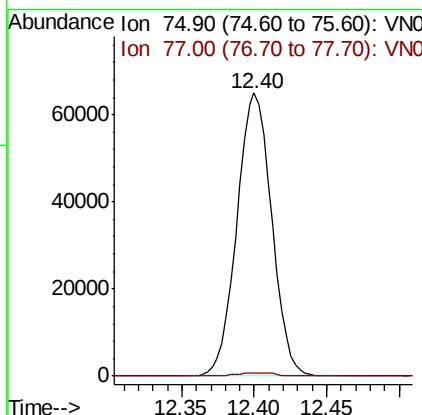
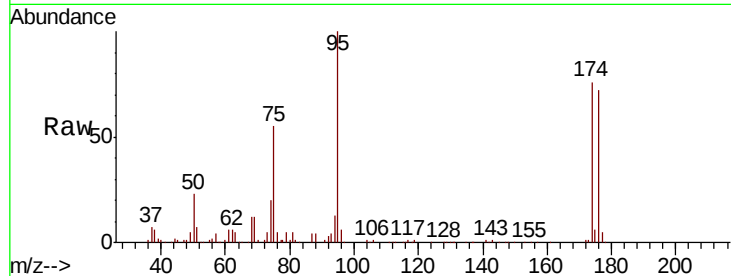




#76
 1,2,3-Trichloropropane
 Concen: 38.240 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052275.D
 Acq: 12 Nov 2018 20:58

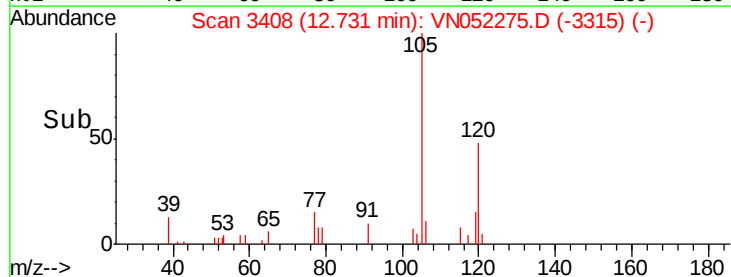
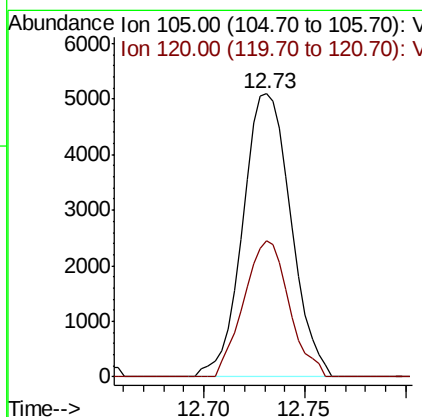
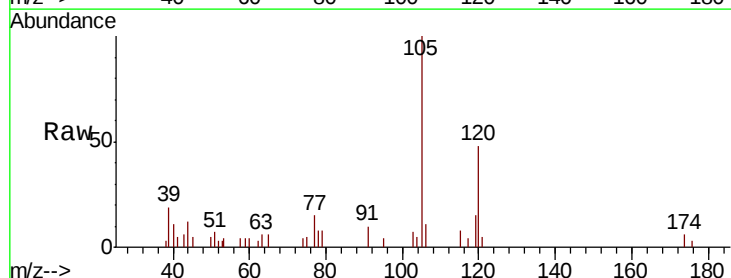
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#19

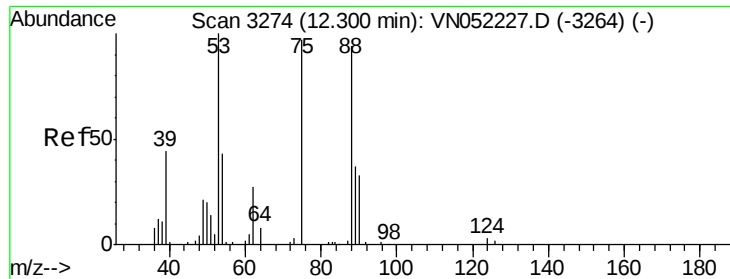
Tot Ion: 75 Resp: 108509
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.817 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052275.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 105 Resp: 8517
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 130.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052275.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#19

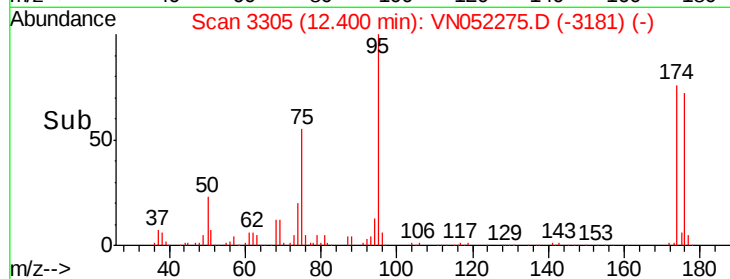
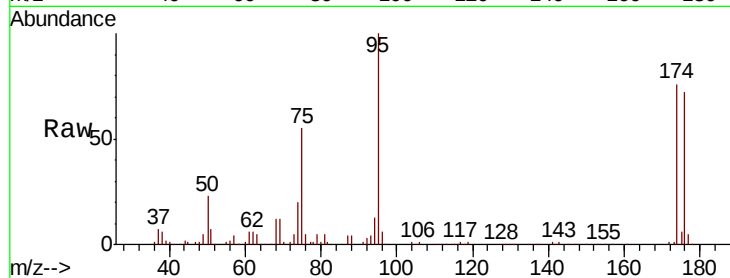
Tot Ion: 75 Resp: 108509

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#



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

