

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052266.D
 Acq On : 12 Nov 2018 16:58
 Operator : MD\SY
 Sample : PB114678ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#10

Quant Time: Nov 13 00:15:53 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	325960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	549421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171660	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	216310	48.52	ug/l	0.00
Spiked Amount						
			Recovery	=	97.04%	
35) Dibromofluoromethane	7.59	113	172441	48.45	ug/l	0.00
Spiked Amount						
			Recovery	=	96.90%	
50) Toluene-d8	10.09	98	696761	50.02	ug/l	0.00
Spiked Amount						
			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	204069	45.31	ug/l	0.00
Spiked Amount						
			Recovery	=	90.62%	

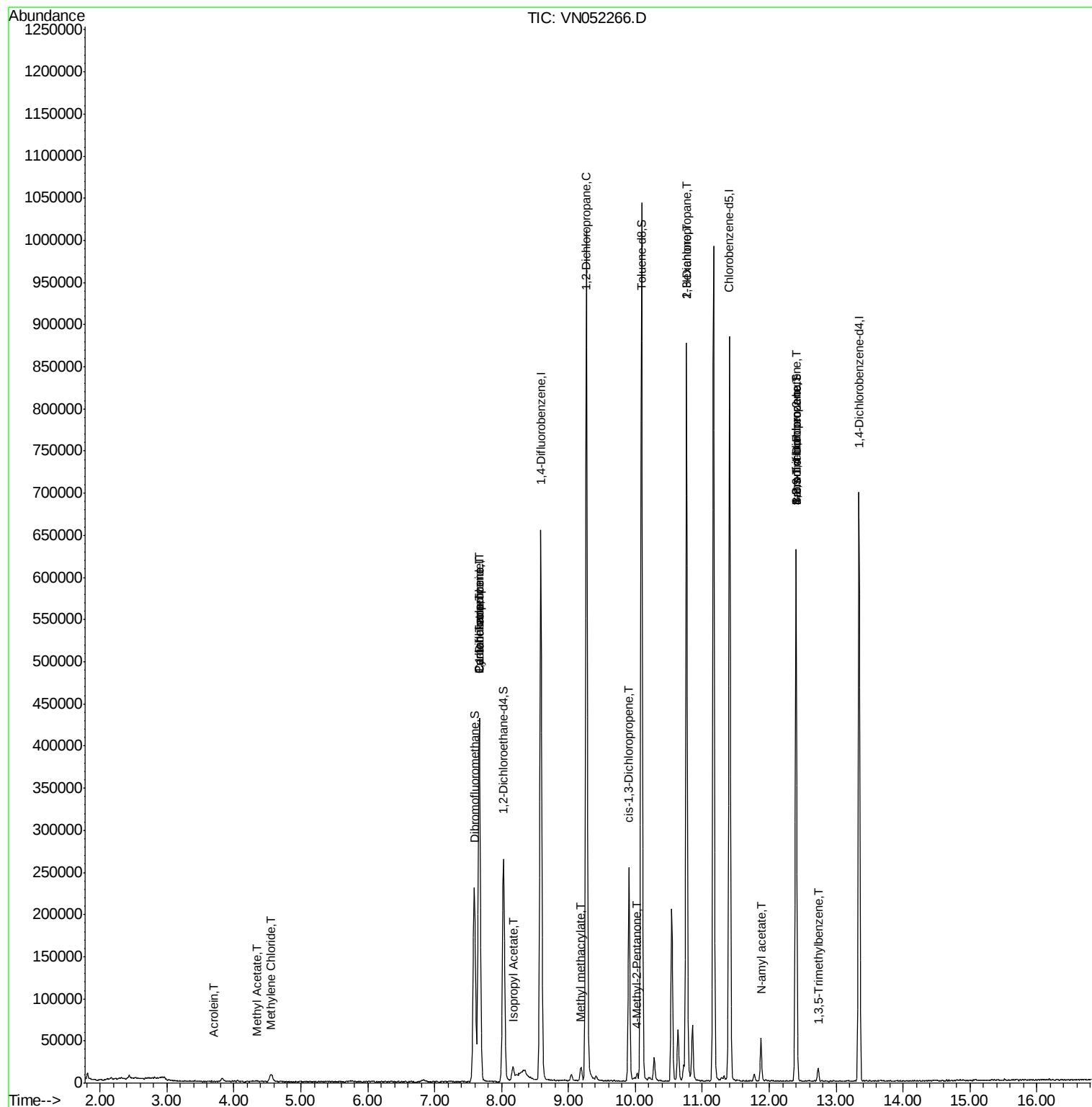
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.70	56	61	34.248	ug/l #	12
16) Acetone	3.83	43	6591	Below Cal	#	76
18) Methyl Acetate	4.34	43	1235	0.332	ug/l	95
20) Methylene Chloride	4.55	84	2793	0.687	ug/l #	85
31) Cyclohexane	7.66	56	9637	0.717	ug/l #	25
36) 1,1-Dichloropropene	7.66	75	29748	5.364	ug/l #	50
38) Carbon Tetrachloride	7.67	117	34267	6.819	ug/l #	16
43) Isopropyl Acetate	8.17	43	25199	3.466	ug/l #	86
45) 1,2-Dichloropropane	9.27	63	1580	0.356	ug/l #	44
48) Methyl methacrylate	9.18	41	6767	1.767	ug/l #	15
51) 4-Methyl-2-Pentanone	10.03	43	8367	2.084	ug/l #	40
54) cis-1,3-Dichloropropene	9.90	75	39693	6.455	ug/l #	69
57) 1,3-Dichloropropane	10.76	76	8395	1.355	ug/l #	43
59) 2-Hexanone	10.76	43	136845	48.552	ug/l #	54
71) Bromoform	12.40	173	1872	0.915	ug/l #	1
74) N-amyl acetate	11.88	43	15870	3.115	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	111689	36.775	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7112	0.637	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	111689	125.529	ug/l #	8

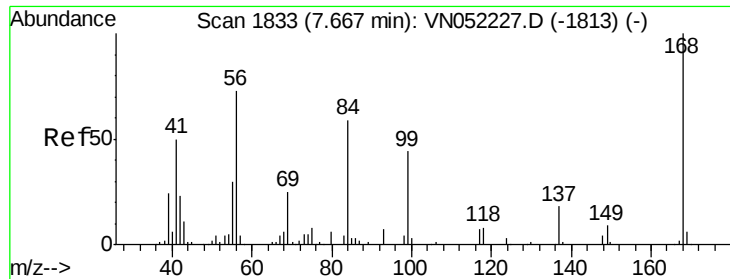
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111218\
Data File : VN052266.D
Acq On : 12 Nov 2018 16:58
Operator : MD\SY
Sample : PB114678ZHE#10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#10

Quant Time: Nov 13 00:15:53 2018
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: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

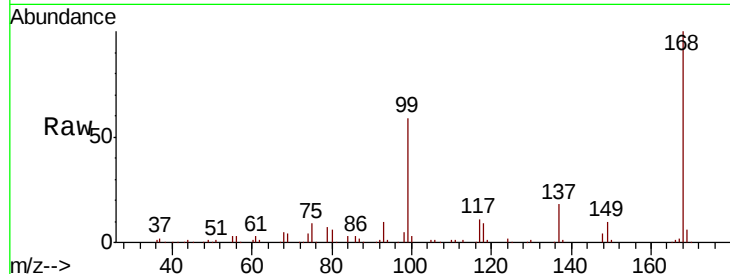
PB114678ZHE#10

Tot Ion:168 Resp: 325960

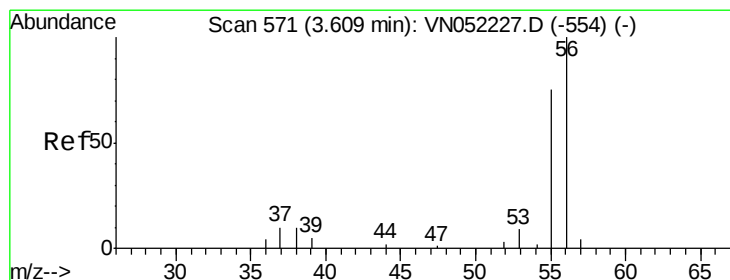
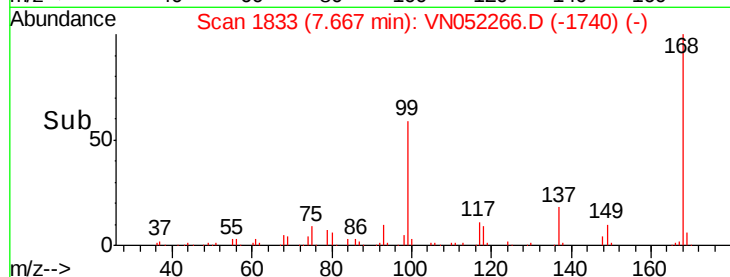
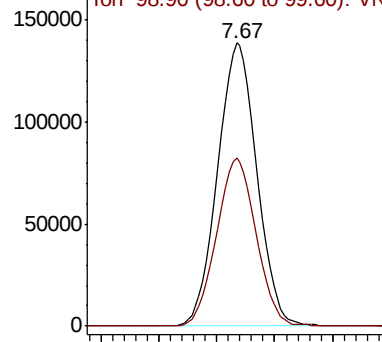
Ion Ratio Lower Upper

168 100

99 59.4 44.7 67.1



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



#13

Acrolein

Concen: 34.248 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.09 min

Lab File: VN052266.D

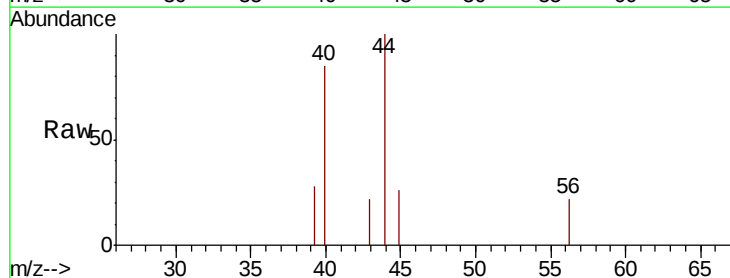
Acq: 12 Nov 2018 16:58

Tgt Ion: 56 Resp: 61

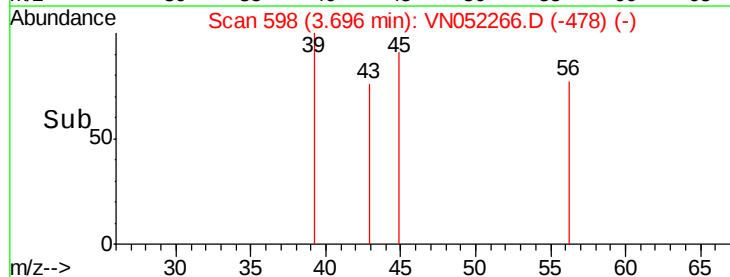
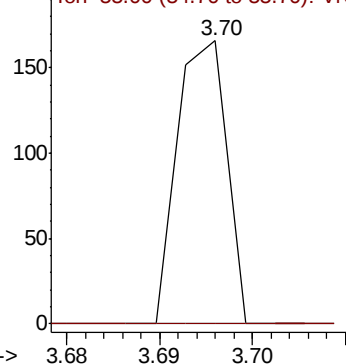
Ion Ratio Lower Upper

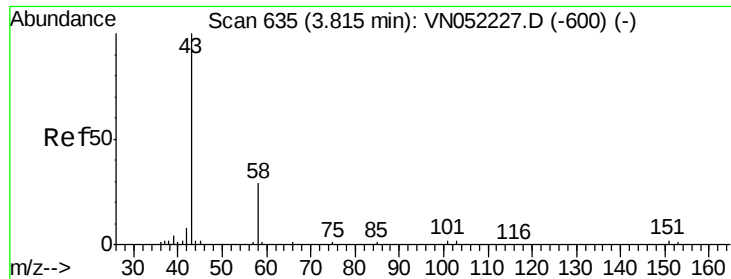
56 100

55 0.0 59.9 89.9#



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





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

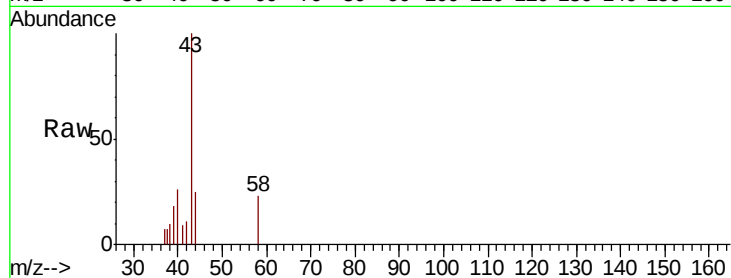
PB114678ZHE#10

Tot Ion: 43 Resp: 6591

Ion Ratio Lower Upper

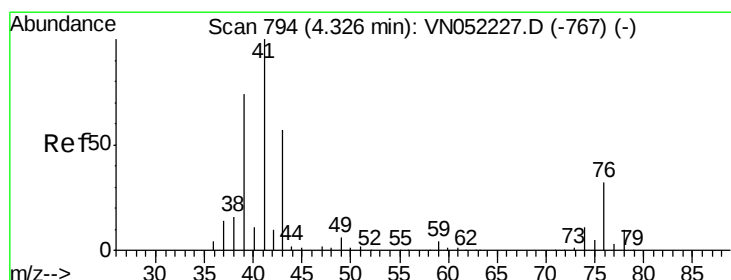
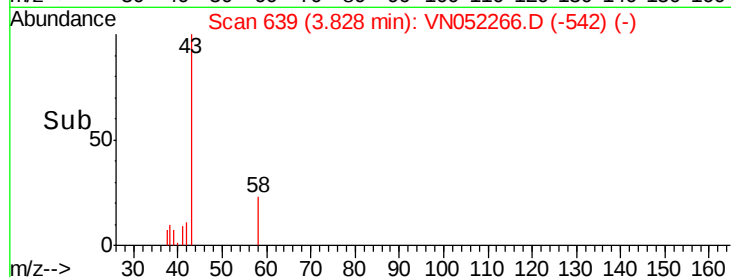
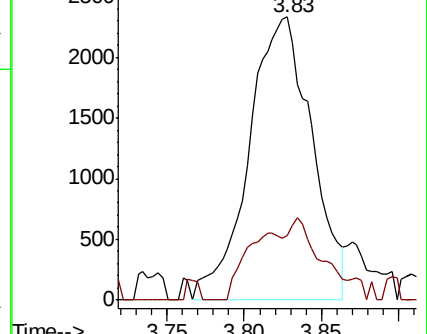
43 100

58 16.1 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.332 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052266.D

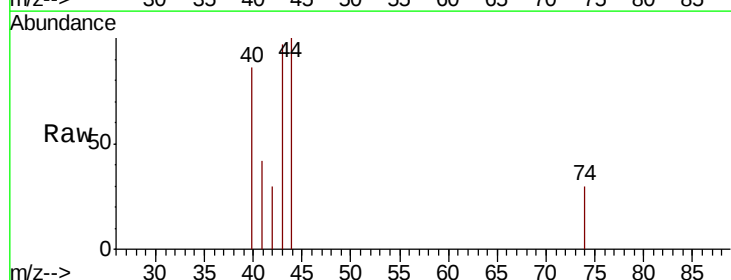
Acq: 12 Nov 2018 16:58

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

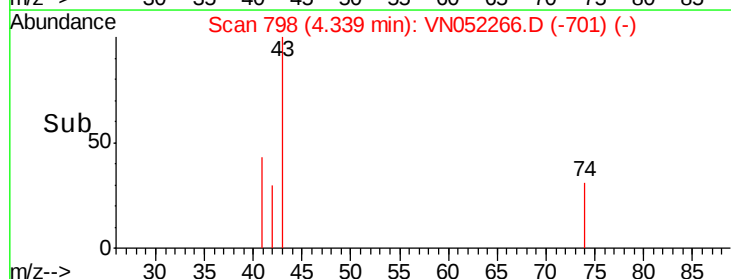
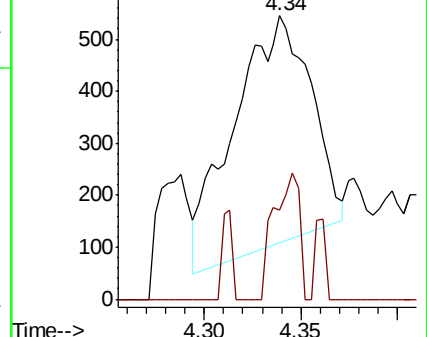
43 100

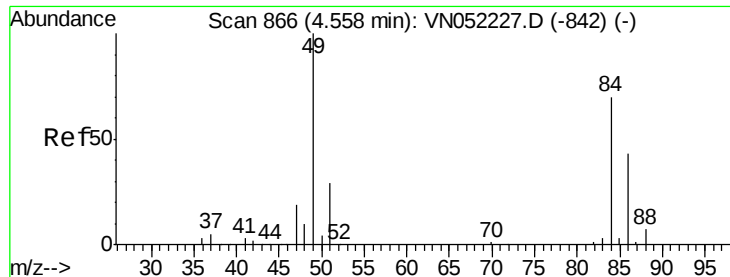
74 18.1 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

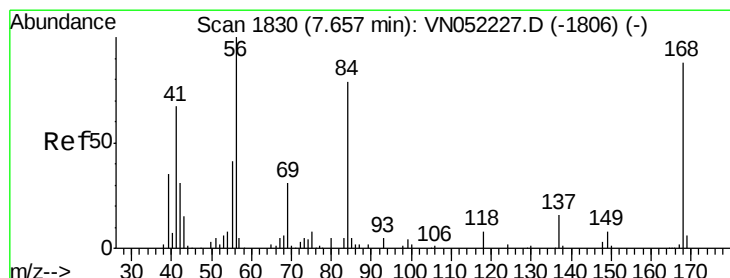
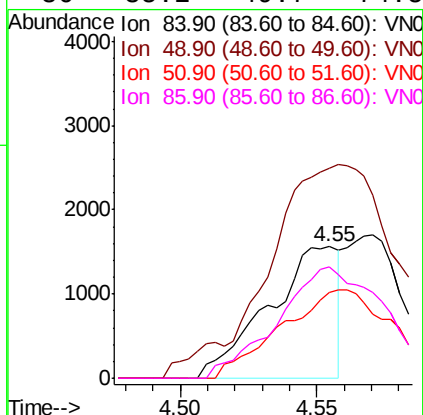
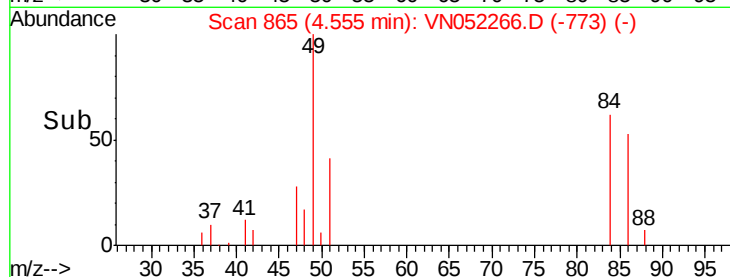
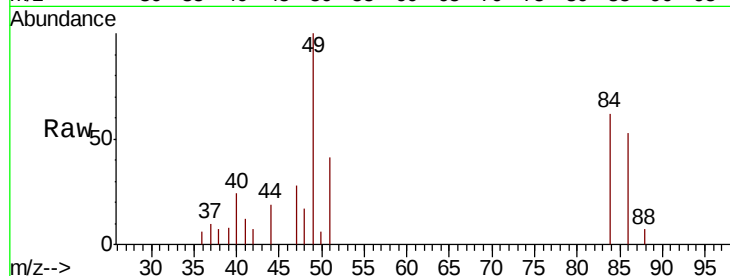




#20
Methvlene Chloride
Concen: 0.687 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052266.D
Acq: 12 Nov 2018 16:58

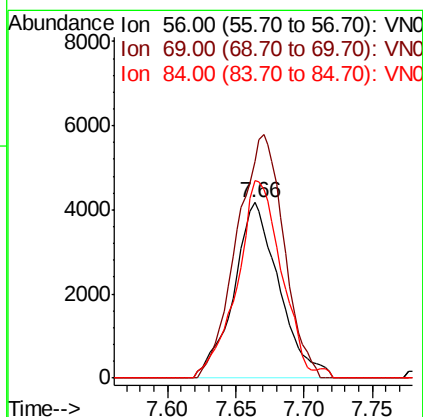
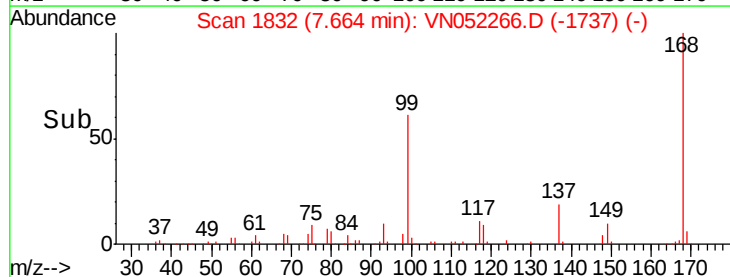
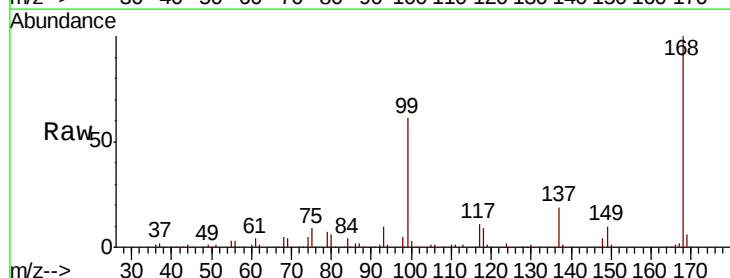
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#10

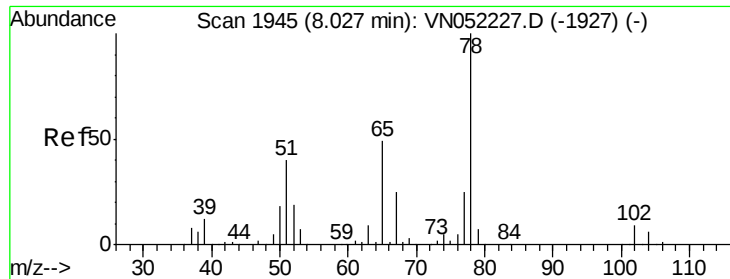
Tot Ion: 84 Resp: 2793
Ion Ratio Lower Upper
84 100
49 145.9 114.8 172.2
51 65.2 33.1 49.7#
86 85.2 49.7 74.5#



#31
Cyclohexane
Concen: 0.717 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052266.D
Acq: 12 Nov 2018 16:58

Tgt Ion: 56 Resp: 9637
Ion Ratio Lower Upper
56 100
69 123.6 24.8 37.2#
84 112.6 63.1 94.7#

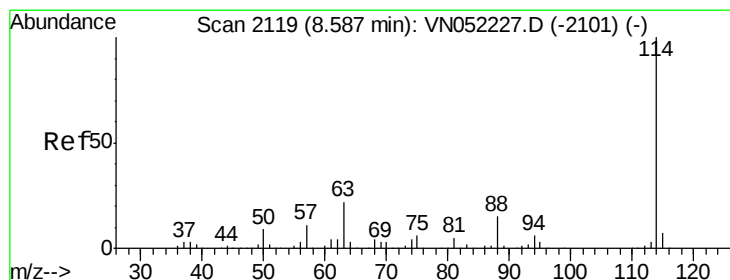
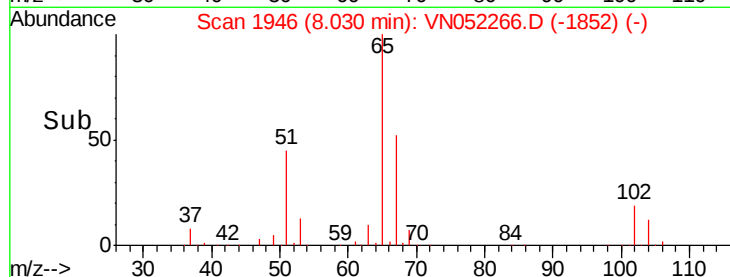
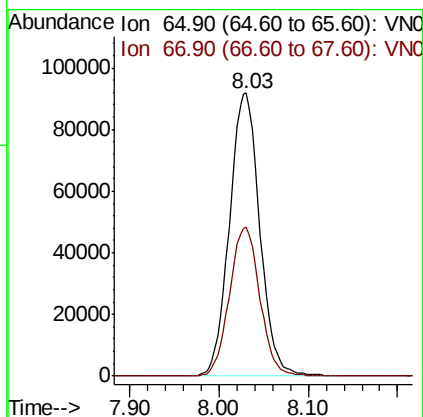
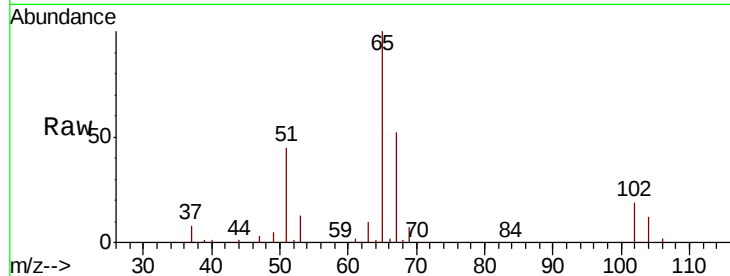




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052266.D
 Acq: 12 Nov 2018 16:58

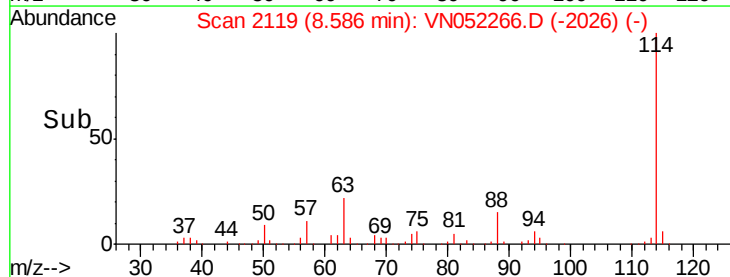
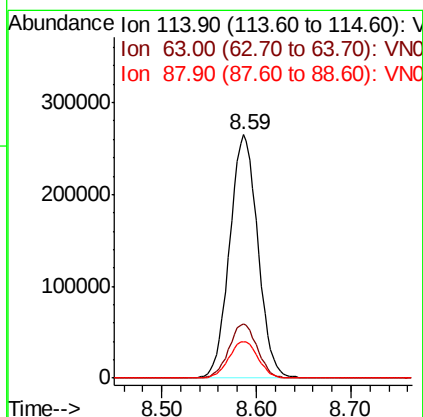
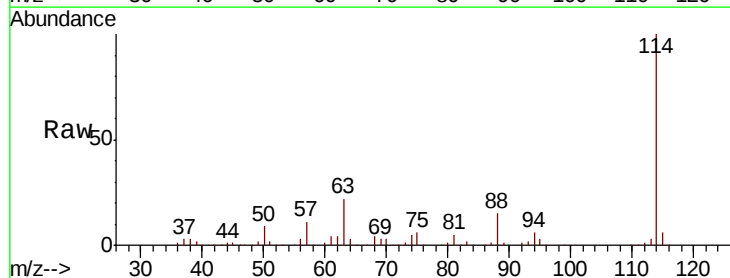
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#10

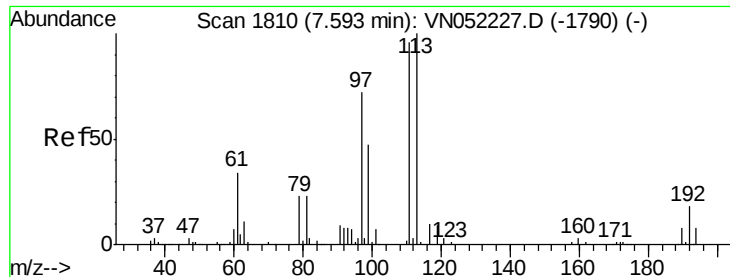
Tot Ion: 65 Resp: 216310
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052266.D
 Acq: 12 Nov 2018 16:58

Tgt Ion: 114 Resp: 549421
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 15.1 0.0 30.2

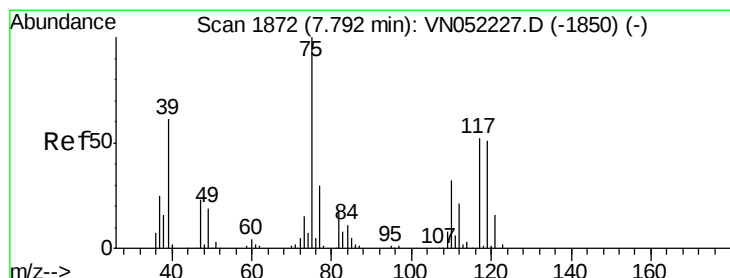
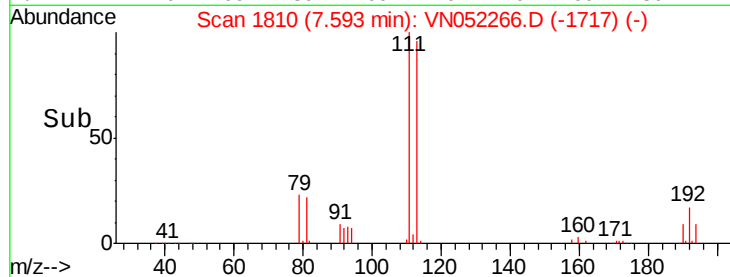
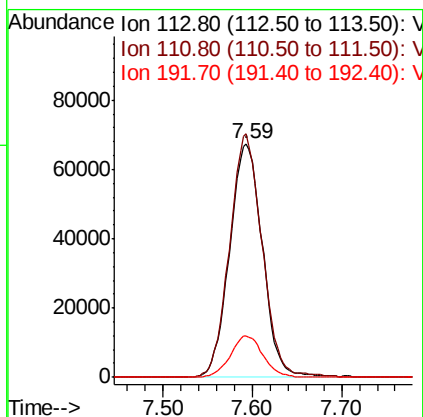
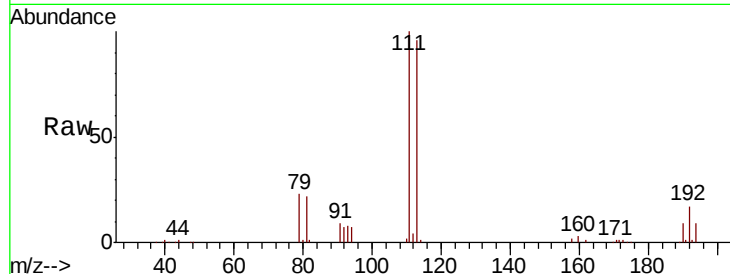




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052266.D
 Acq: 12 Nov 2018 16:58

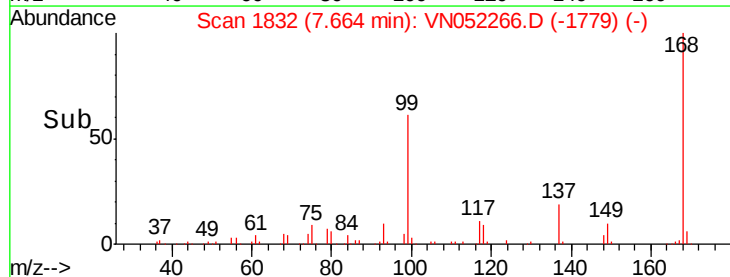
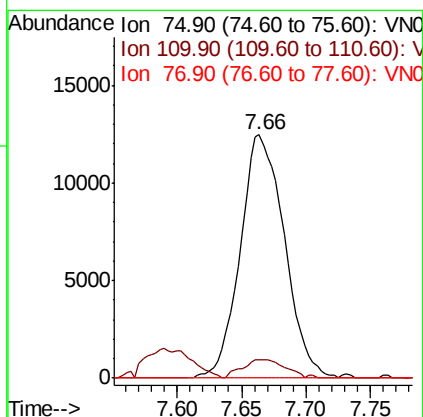
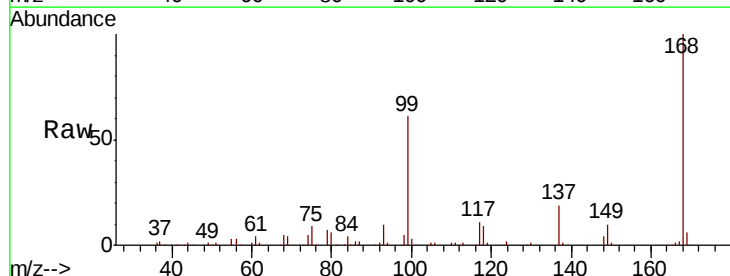
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#10

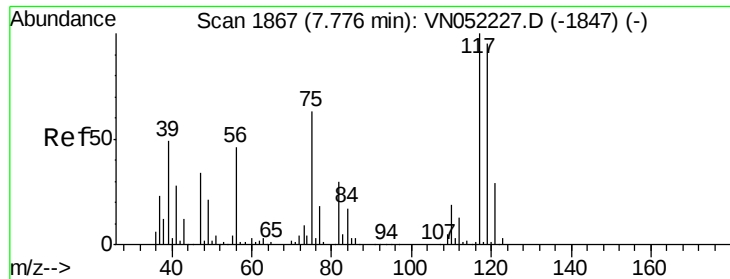
Tot Ion:113 Resp: 172441
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.2 120.4
 192 17.6 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 5.364 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052266.D
 Acq: 12 Nov 2018 16:58

Tgt Ion: 75 Resp: 29748
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.4 49.4#
 77 0.0 23.9 35.9#





#38

Carbon Tetrachloride

Concen: 6.819 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#10

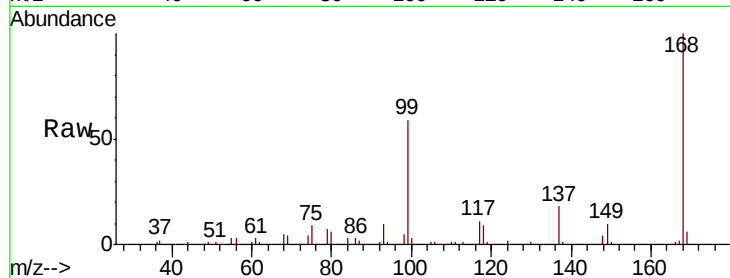
Tot Ion:117 Resp: 34267

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

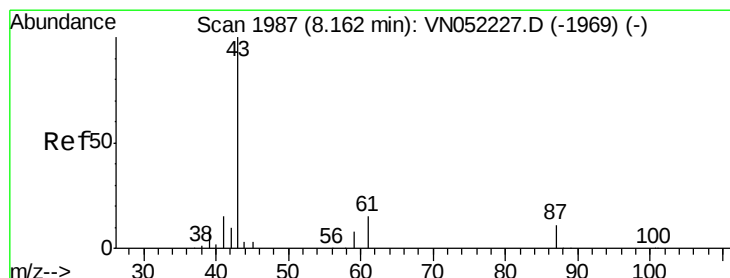
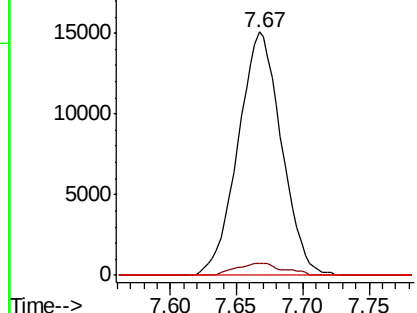
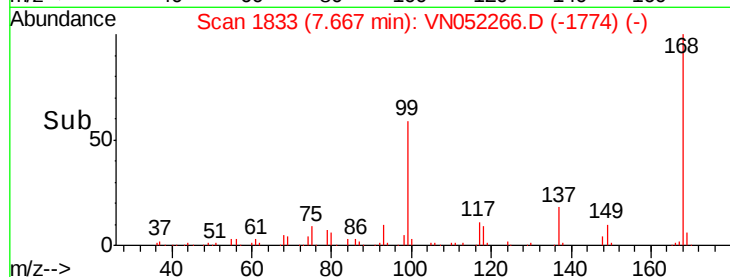
121 0.0 23.4 35.2#



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: 3.466 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

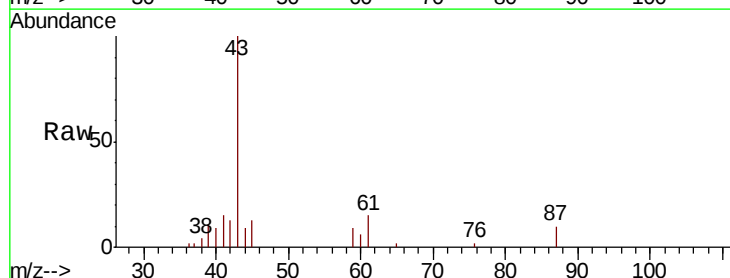
Tgt Ion: 43 Resp: 25199

Ion Ratio Lower Upper

43 100

61 12.0 14.2 21.4#

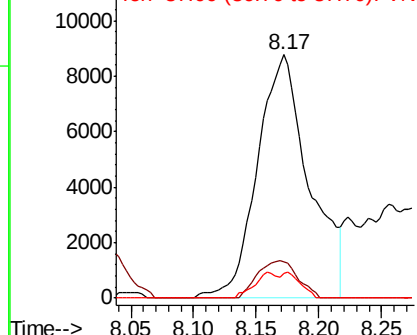
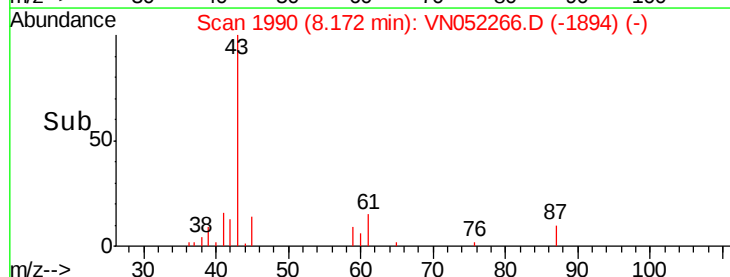
87 4.9 8.4 12.6#

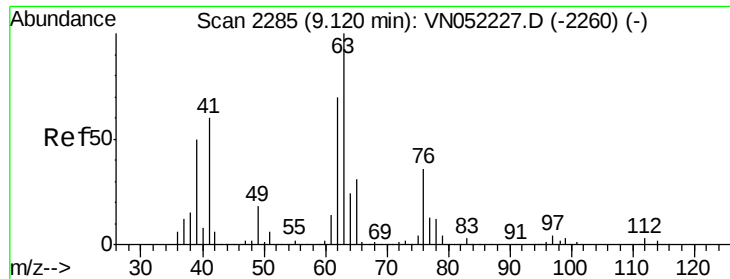


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

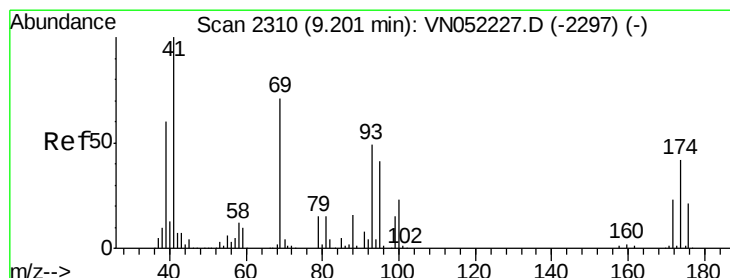
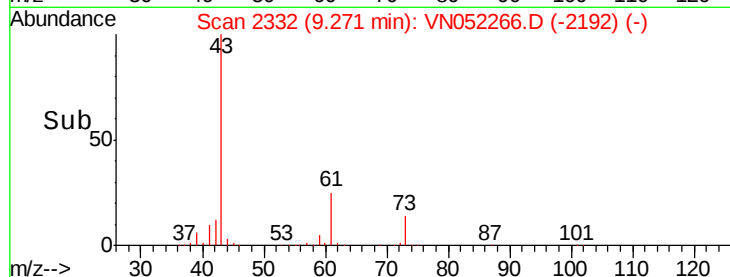
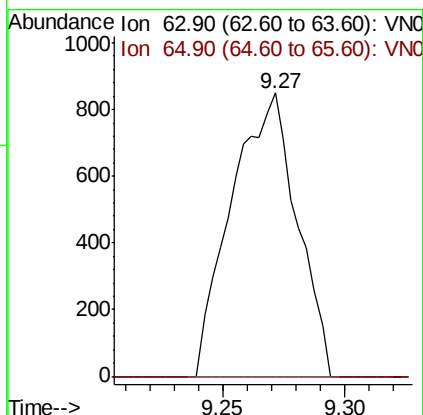
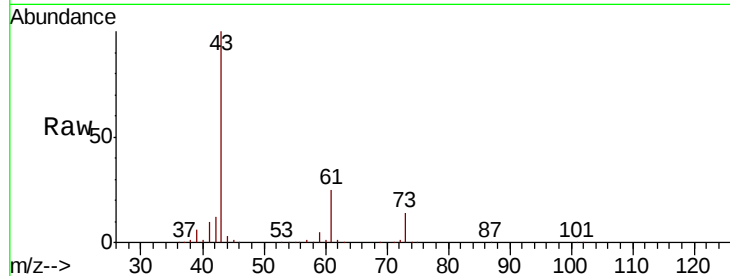




#45
 1,2-Dichloropropane
 Concen: 0.356 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN052266.D
 Acq: 12 Nov 2018 16:58

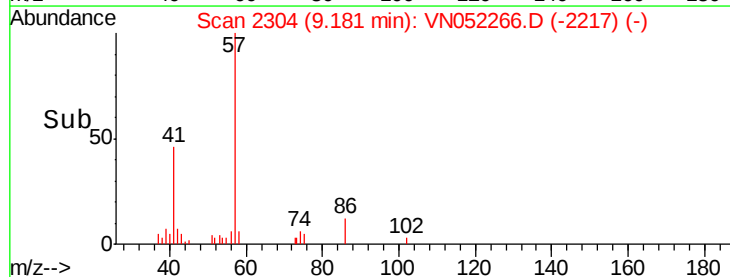
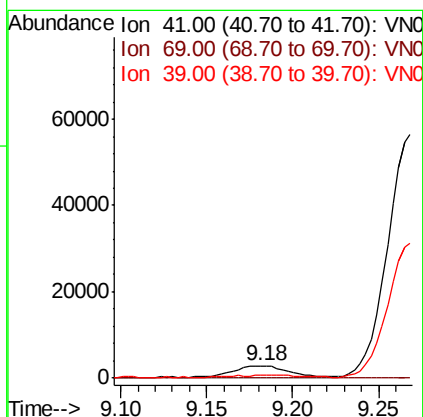
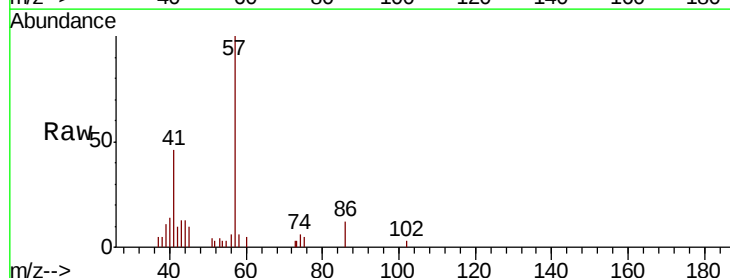
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114678ZHE#10

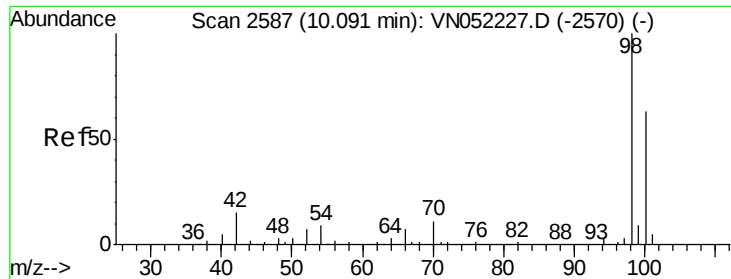
Tot Ion: 63 Resp: 1580
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.767 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052266.D
 Acq: 12 Nov 2018 16:58

Tgt Ion: 41 Resp: 6767
 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: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

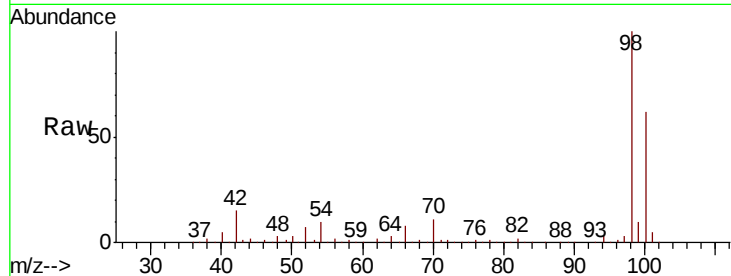
PB114678ZHE#10

Tot Ion: 98 Resp: 696761

Ion Ratio Lower Upper

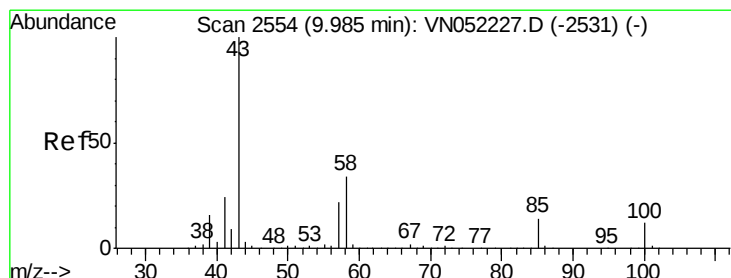
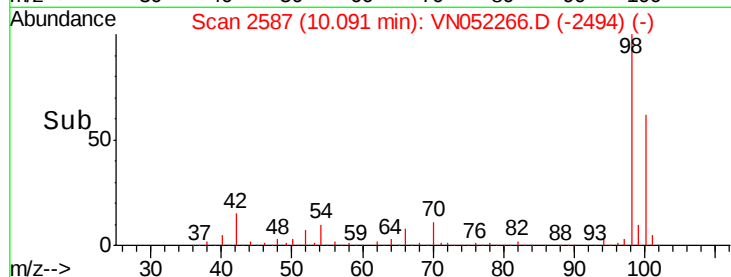
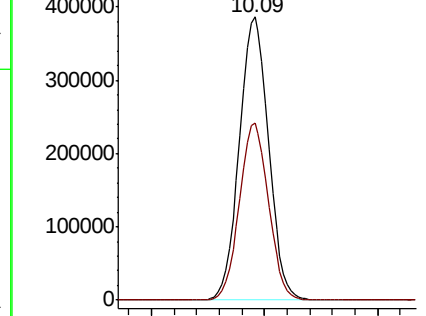
98 100

100 62.2 50.2 75.2



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: 2.084 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052266.D

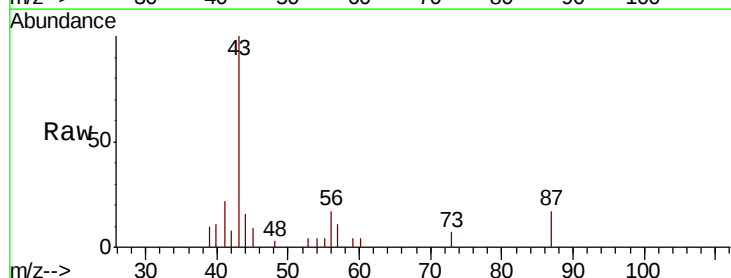
Acq: 12 Nov 2018 16:58

Tgt Ion: 43 Resp: 8367

Ion Ratio Lower Upper

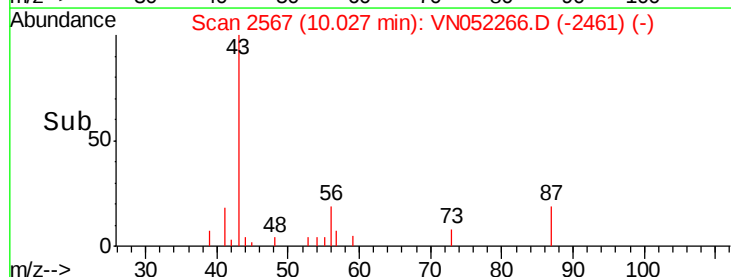
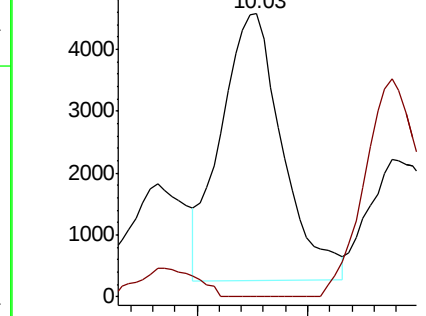
43 100

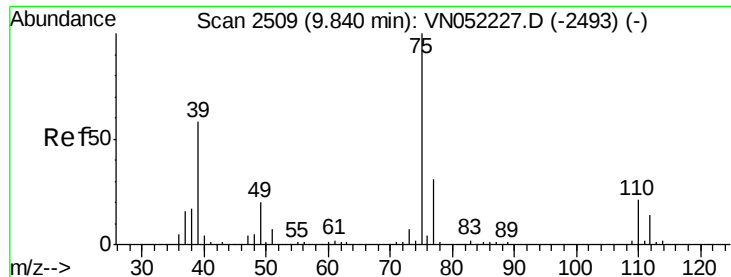
58 0.0 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.455 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#10

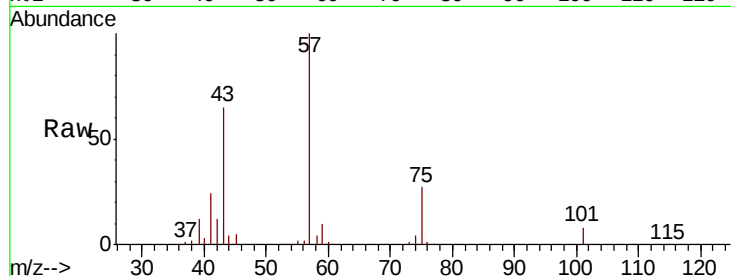
Tot Ion: 75 Resp: 39693

Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

39 44.7 46.6 70.0#

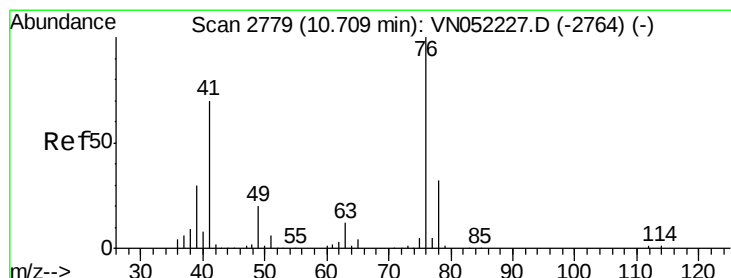
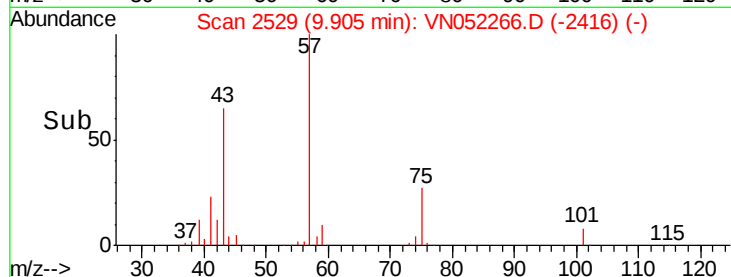
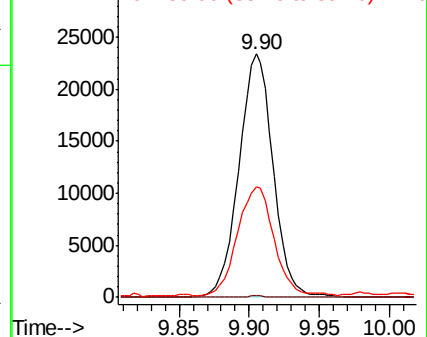


Abundance

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: 1.355 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052266.D

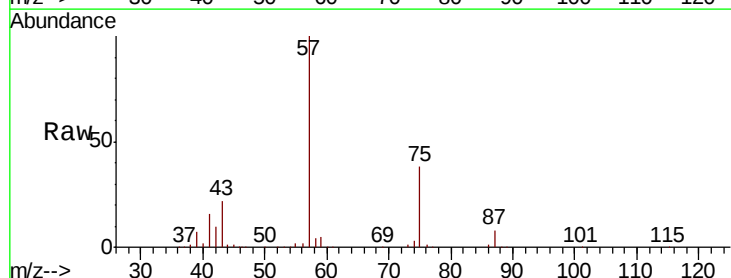
Acq: 12 Nov 2018 16:58

Tgt Ion: 76 Resp: 8395

Ion Ratio Lower Upper

76 100

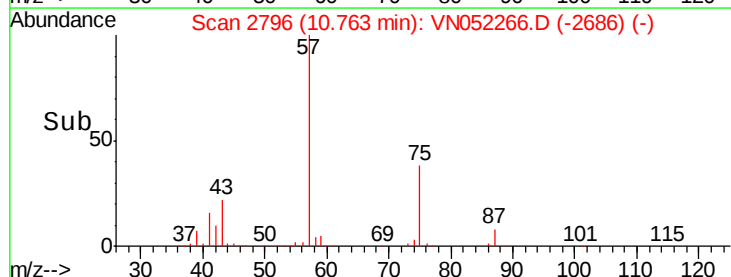
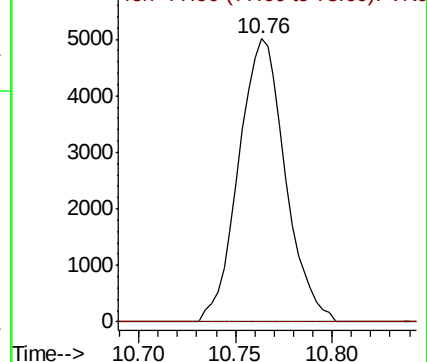
78 0.0 25.7 38.5#

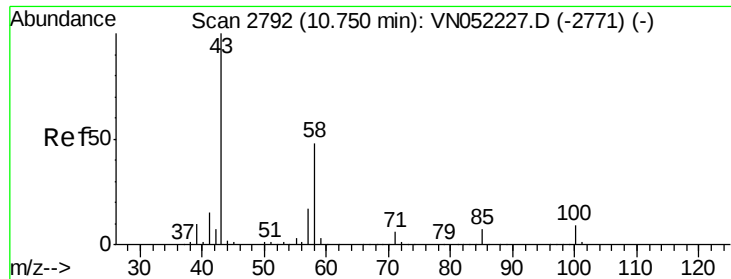


Abundance

Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

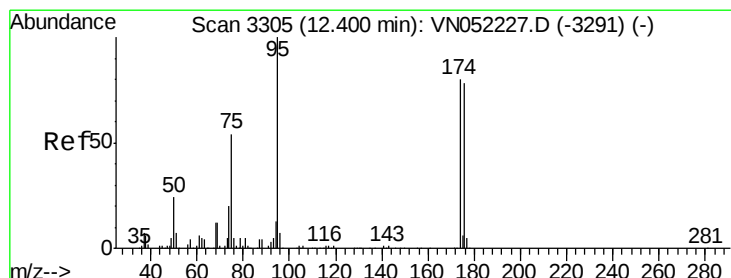
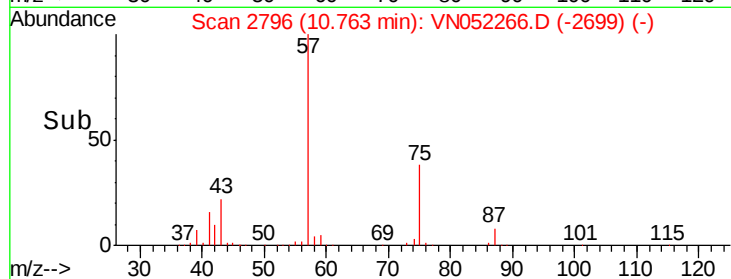
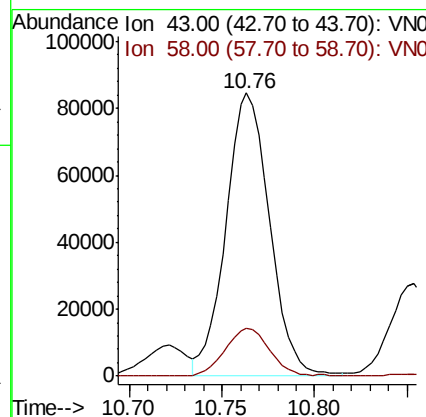
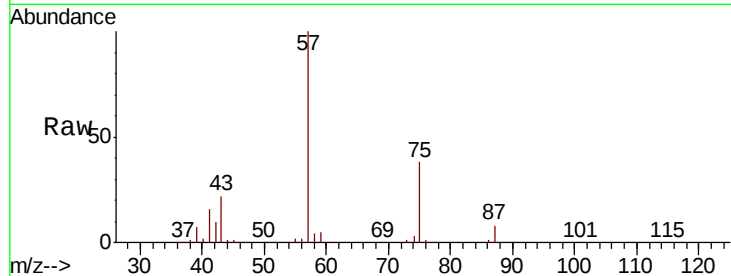




#59
2-Hexanone
Concen: 48.552 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052266.D
Acq: 12 Nov 2018 16:58

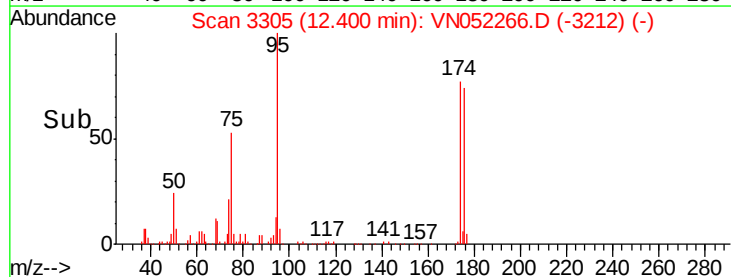
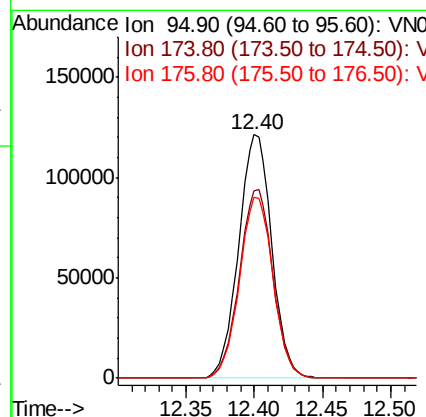
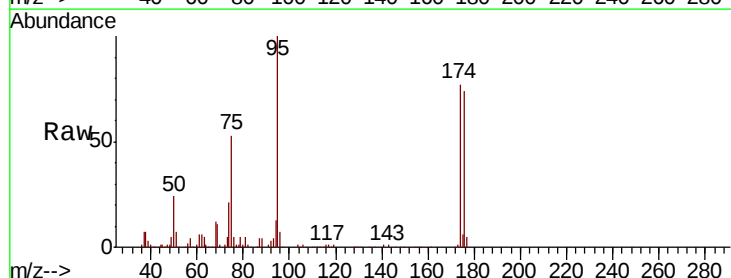
Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#10

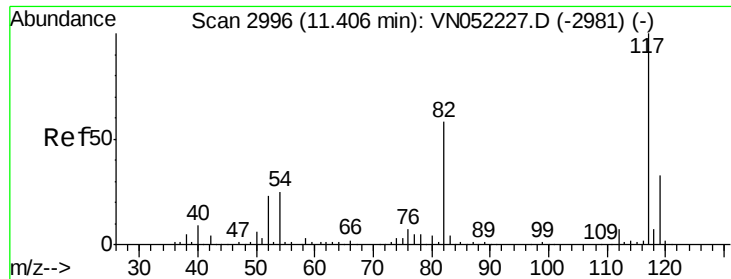
Tot Ion: 43 Resp: 136845
Ion Ratio Lower Upper
43 100
58 17.3 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052266.D
Acq: 12 Nov 2018 16:58

Tgt Ion: 95 Resp: 204069
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.4
176 75.3 0.0 157.8

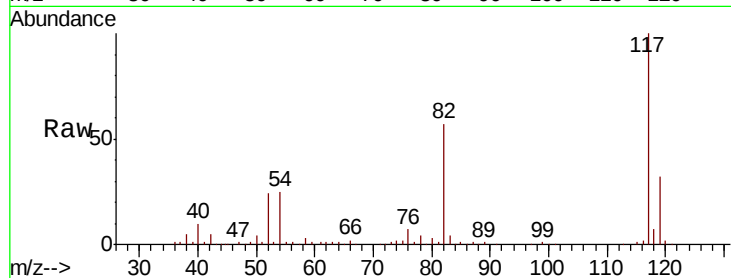




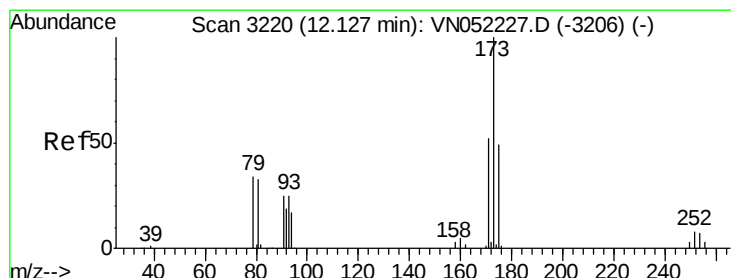
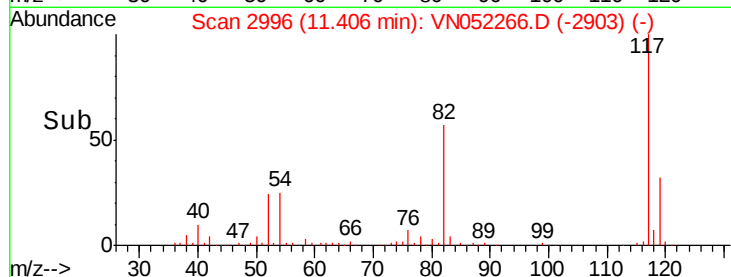
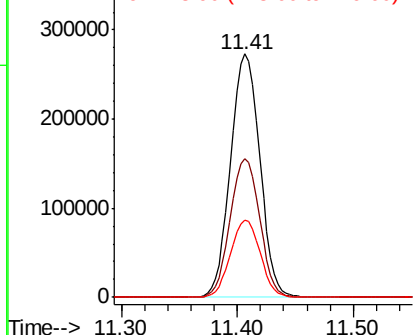
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052266.D
Acq: 12 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
PB114678ZHE#10

Tot Ion:117 Resp: 477717
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.2
119 31.7 26.2 39.4

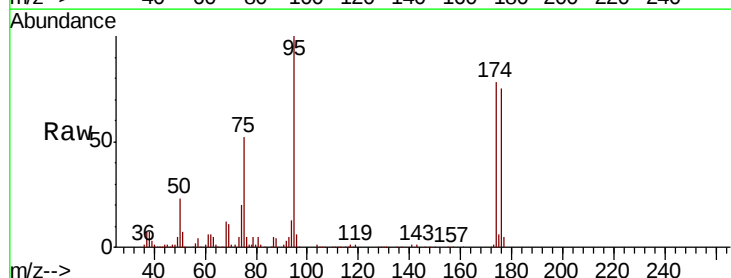


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

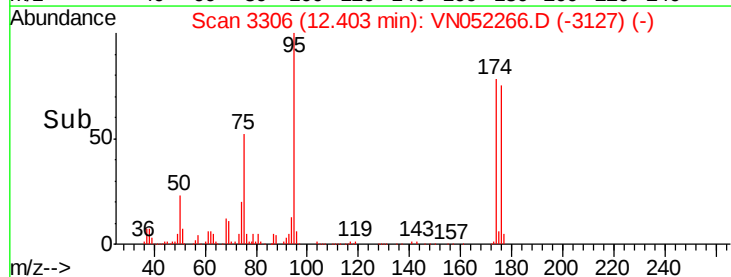
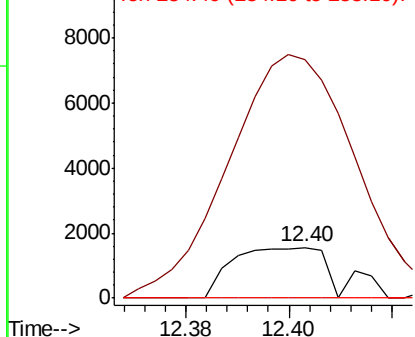


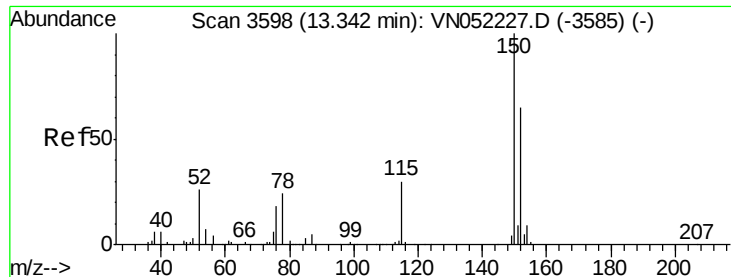
#71
Bromoform
Concen: 0.915 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052266.D
Acq: 12 Nov 2018 16:58

Tgt Ion:173 Resp: 1872
Ion Ratio Lower Upper
173 100
175 609.3 24.5 73.5#
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: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#10

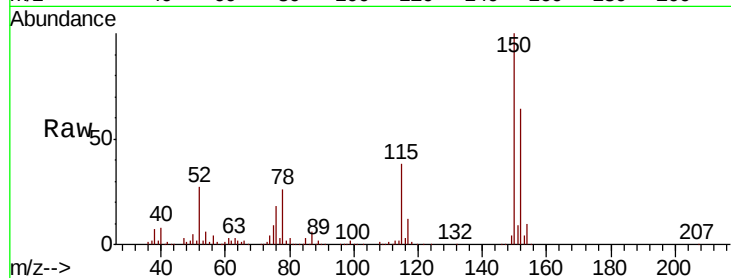
Tot Ion:152 Resp: 171660

Ion Ratio Lower Upper

152 100

115 59.8 29.8 89.5

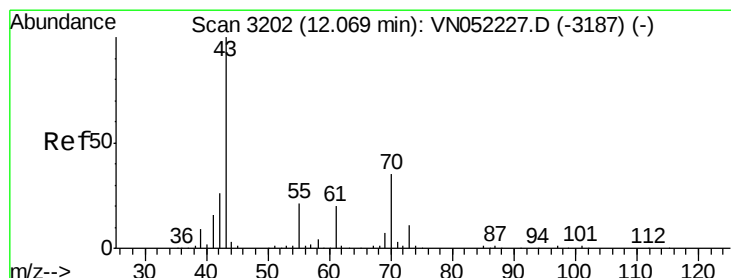
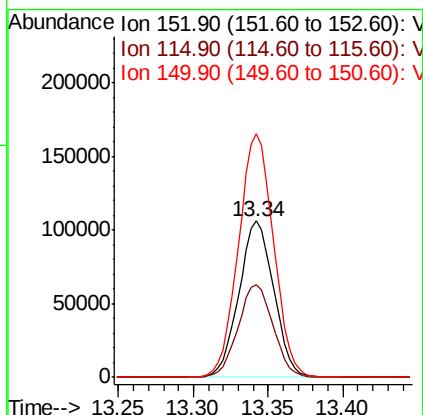
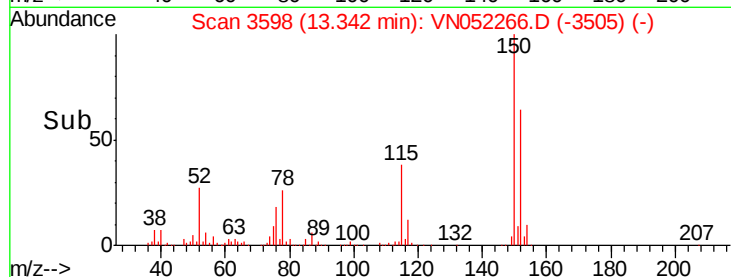
150 157.0 0.0 350.2



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



#74

N-ethyl acetate

Concen: 3.115 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

Tgt Ion: 43 Resp: 15870

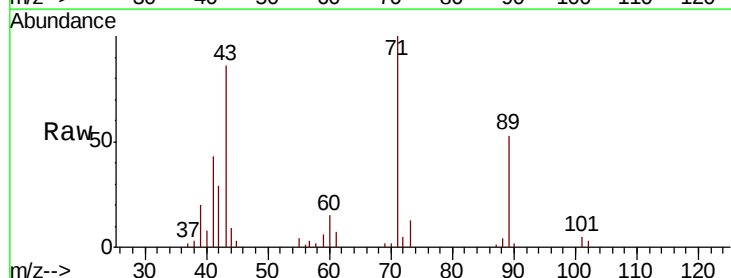
Ion Ratio Lower Upper

43 100

70 2.2 28.2 42.2#

55 5.9 17.4 26.2#

61 9.3 16.3 24.5#

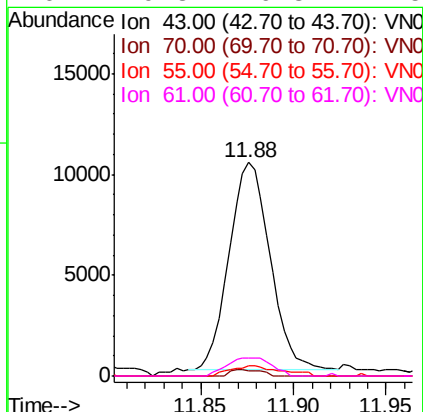
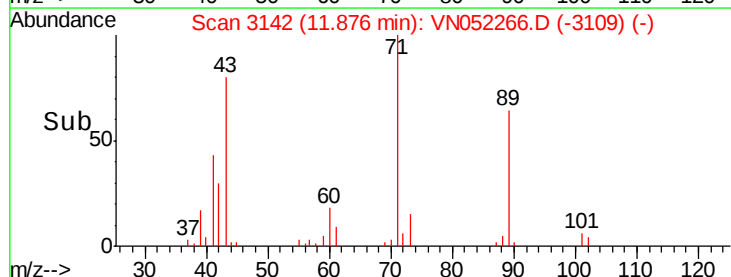


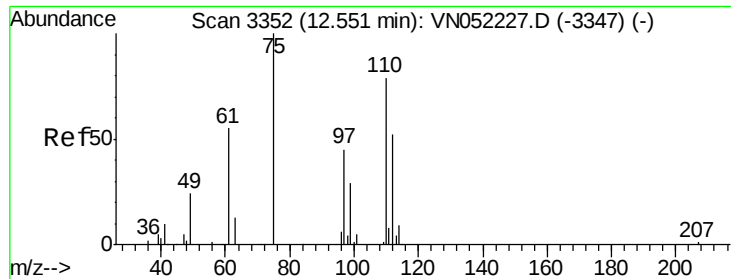
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 36.775 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

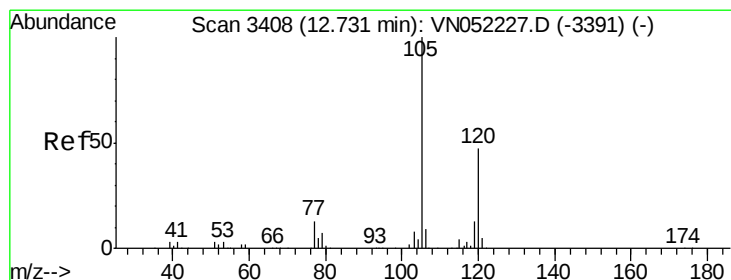
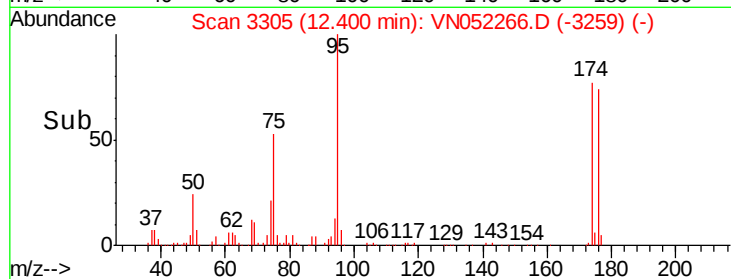
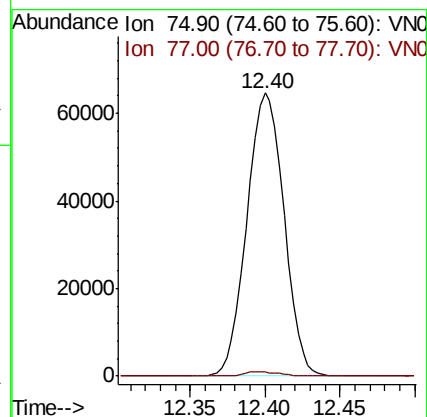
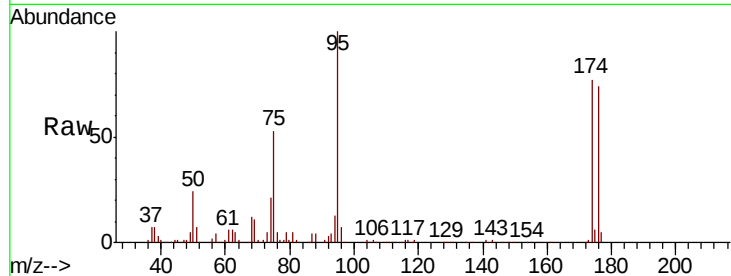
PB114678ZHE#10

Tot Ion: 75 Resp: 111689

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.637 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052266.D

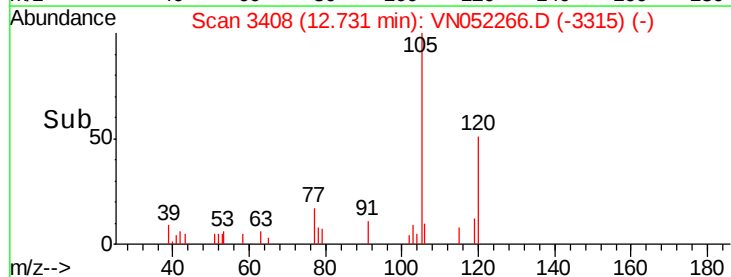
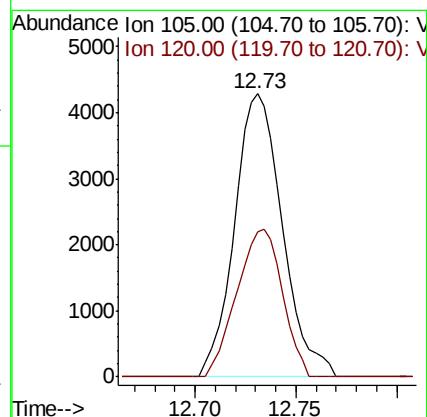
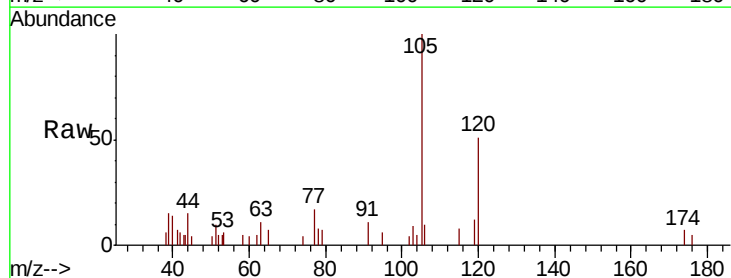
Acq: 12 Nov 2018 16:58

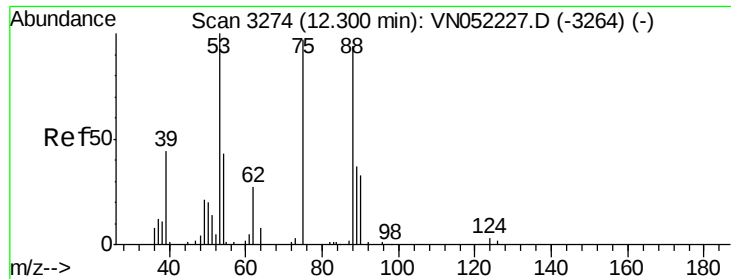
Tgt Ion: 105 Resp: 7112

Ion Ratio Lower Upper

105 100

120 49.8 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 125.529 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052266.D

Acq: 12 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB114678ZHE#10

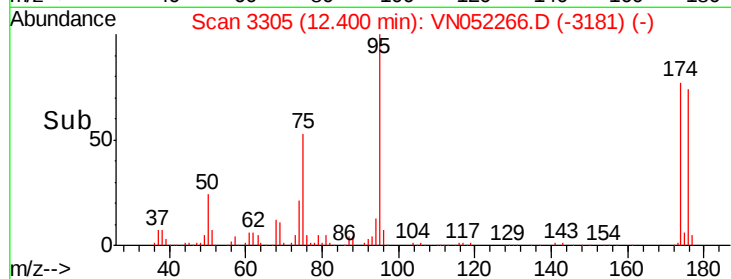
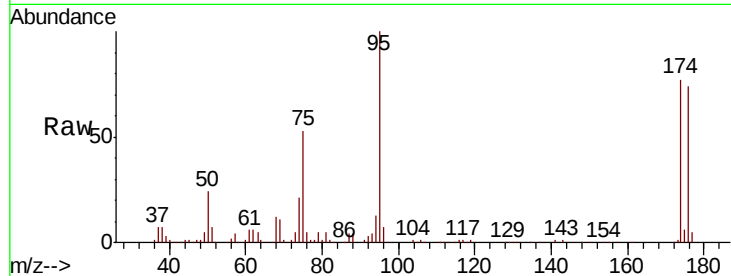
Tot Ion: 75 Resp: 111689

Ion Ratio Lower Upper

75 100

53 0.0 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

