

Data File : VN053390.D
Acq On : 14 Jan 2019 14:38
Operator : JC/SP
Sample : PB116342ZHE#03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#03

Quant Time: Jan 14 22:57:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	957738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1490392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1436026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	639277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	476673	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.59	113	412789	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.09	98	1876462	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.40	95	674424	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

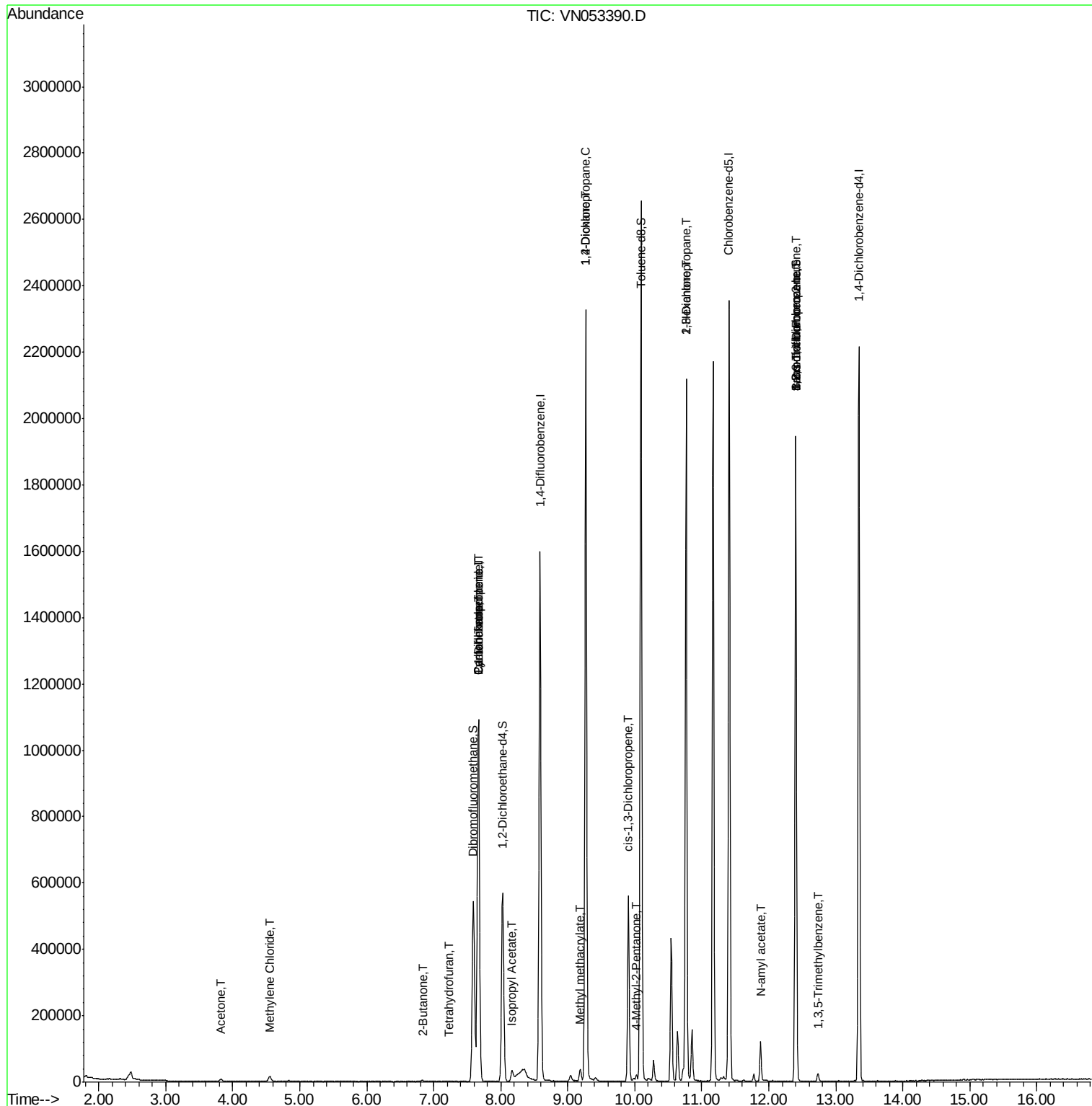
						Qvalue
16) Acetone	3.82	43	12876	3.162	ug/l	98
20) Methylene Chloride	4.55	84	11218	1.048	ug/l	94
25) 2-Butanone	6.85	43	1923	0.470	ug/l	96
29) Tetrahydrofuran	7.22	42	1150	0.426	ug/l #	44
31) Cyclohexane	7.66	56	15313	0.709	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	62108	4.464	ug/l #	48
38) Carbon Tetrachloride	7.67	117	82273	6.406	ug/l #	16
43) Isopropyl Acetate	8.17	43	46216	2.592	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3007	0.270	ug/l #	43
48) Methyl methacrylate	9.18	41	11976	1.479	ug/l #	12
49) 1,4-Dioxane	9.26	88	290	3.360	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	17023	1.899	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	105775	6.606	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	22509	1.404	ug/l #	42
59) 2-Hexanone	10.76	43	294498	47.940	ug/l #	50
71) Bromoform	12.40	173	3075	0.399	ug/l #	1
74) N-amyl acetate	11.88	43	36673	2.580	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	315206	33.805	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	11698	0.305	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	315206	99.460	ug/l #	14

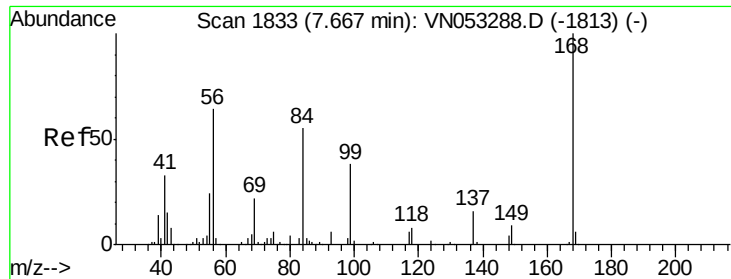
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

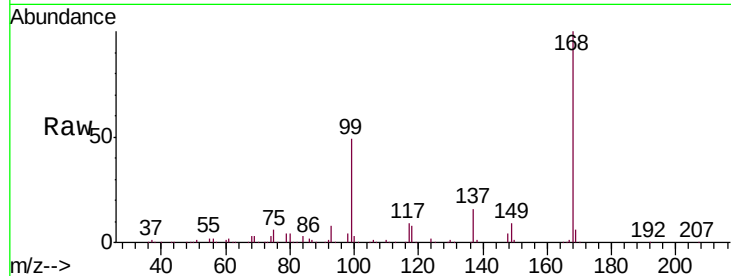
PB116342ZHE#03

Tgt Ion:168 Resp: 957738

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053288.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053288.D (-1813) (-)

7.67

400000

300000

200000

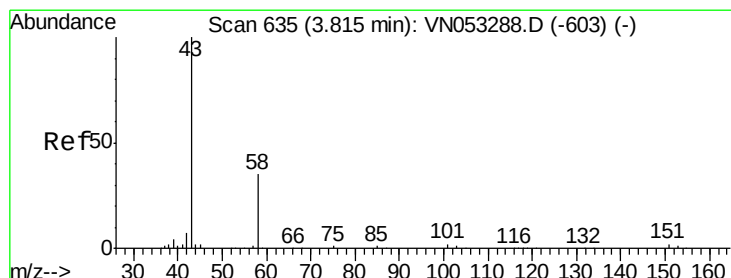
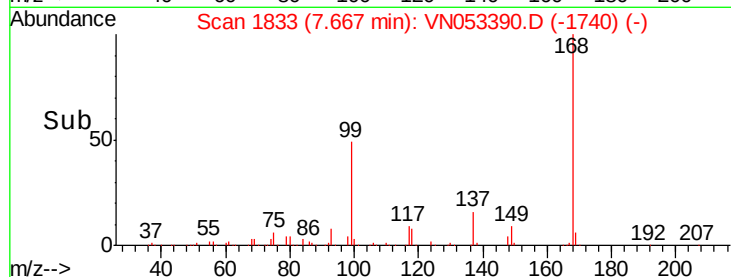
100000

0

7.60

7.70

Time-->



#16

Acetone

Concen: 3.162 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053390.D

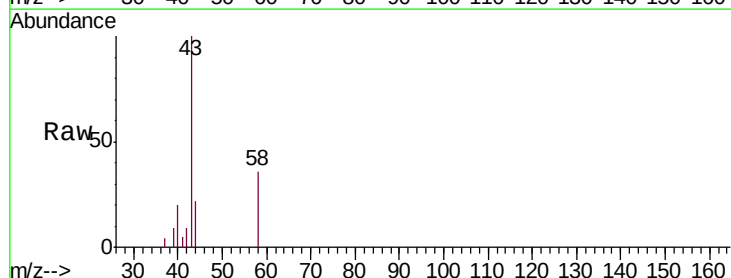
Acq: 14 Jan 2019 14:38

Tgt Ion: 43 Resp: 12876

Ion Ratio Lower Upper

43 100

58 35.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)

3.82

5000

4000

3000

2000

1000

0

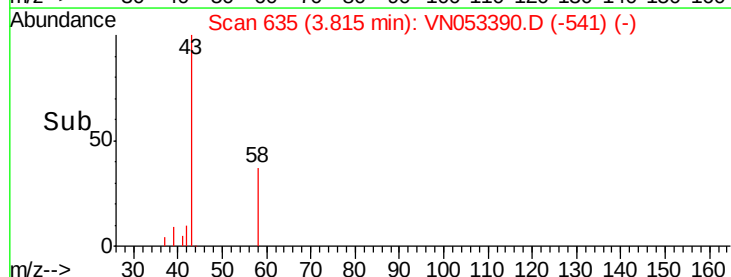
3.75

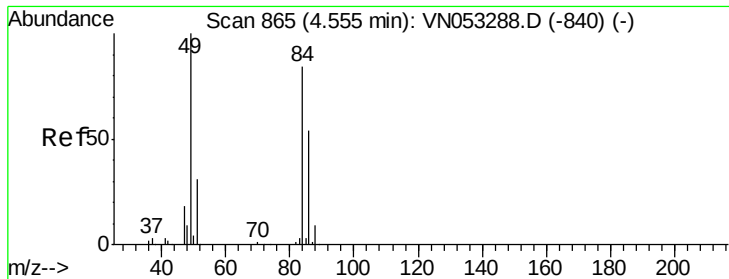
3.80

3.85

3.90

Time-->

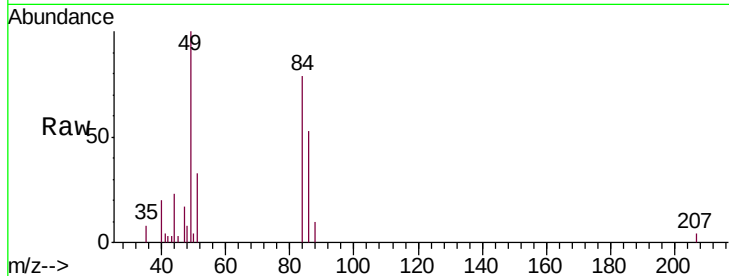




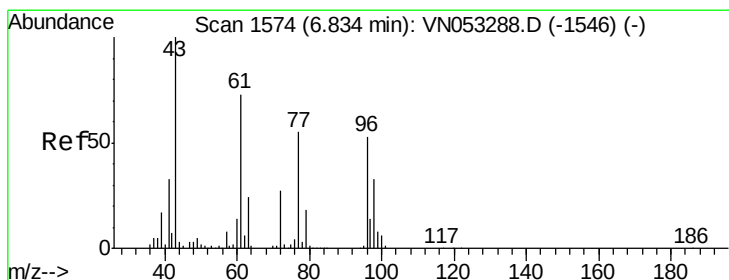
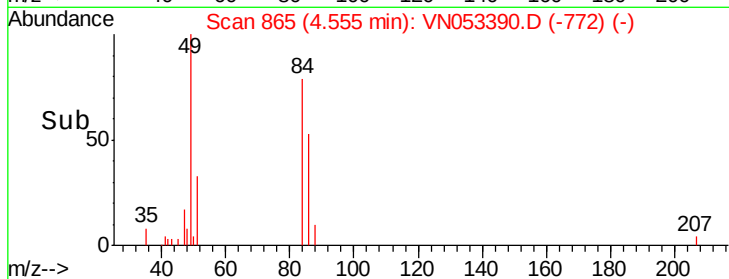
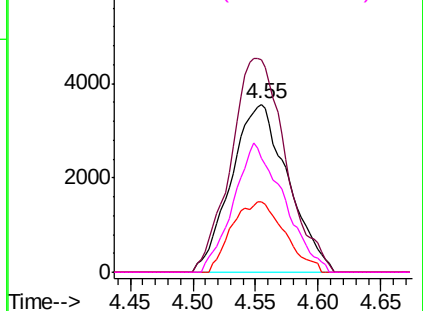
#20
Methylene Chloride
Concen: 1.048 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053390.D
Acq: 14 Jan 2019 14:38

Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#03

Tgt Ion:	84	Resp:	11218
Ion	Ratio	Lower	Upper
84	100		
49	126.8	95.3	142.9
51	41.7	29.0	43.6
86	67.6	51.7	77.5

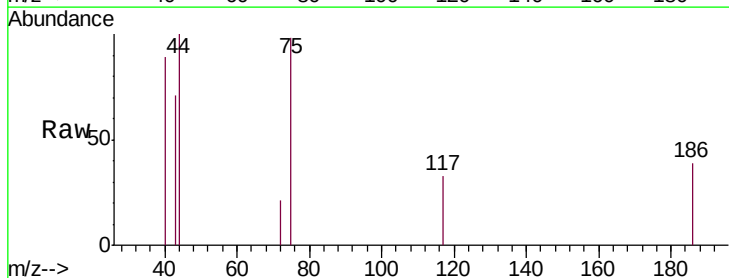


Abundance Ion 83.90 (83.60 to 84.60): VN053288.D (-840) (-)
Ion 48.90 (48.60 to 49.60): VN053288.D (-840) (-)
Ion 50.90 (50.60 to 51.60): VN053288.D (-840) (-)
Ion 85.90 (85.60 to 86.60): VN053288.D (-840) (-)

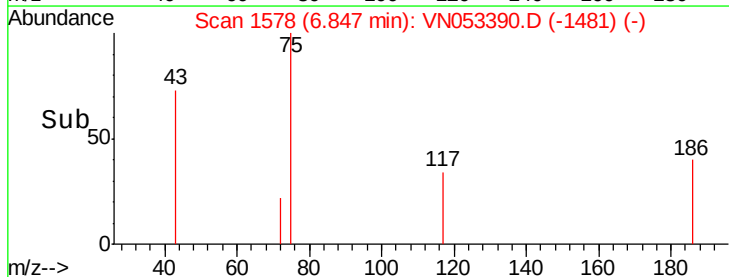
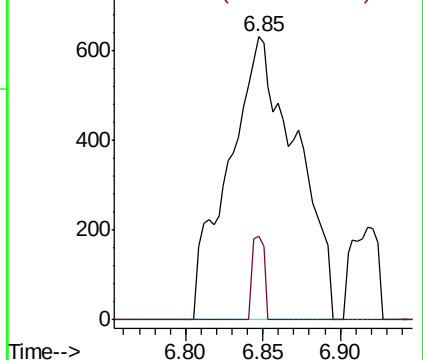


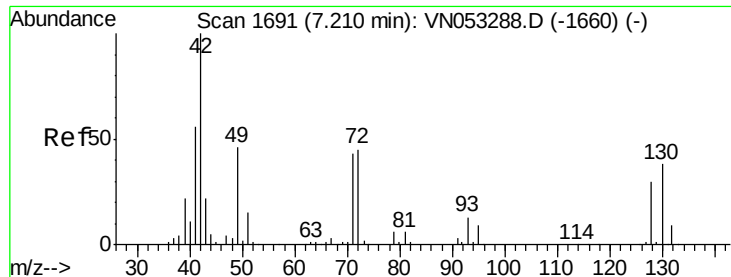
#25
2-Butanone
Concen: 0.470 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053390.D
Acq: 14 Jan 2019 14:38

Tgt Ion:	43	Resp:	1923
Ion	Ratio	Lower	Upper
43	100		
72	29.6	22.0	33.0



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1546) (-)
Ion 72.00 (71.70 to 72.70): VN053288.D (-1546) (-)





#29

Tetrahydrofuran

Concen: 0.426 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#03

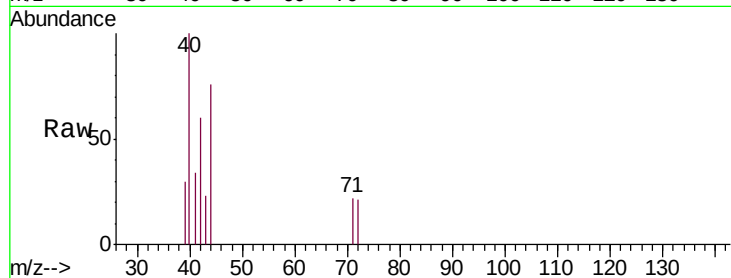
Tgt Ion: 42 Resp: 1150

Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

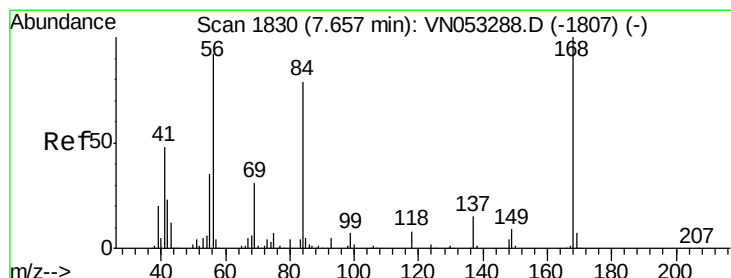
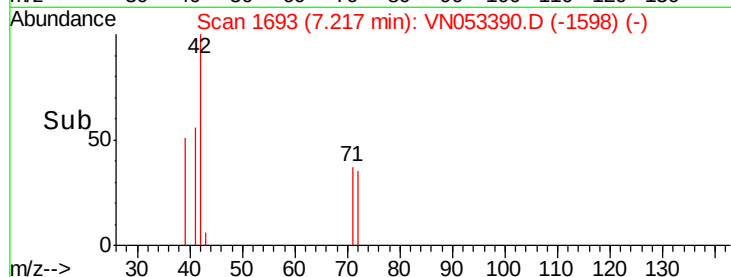
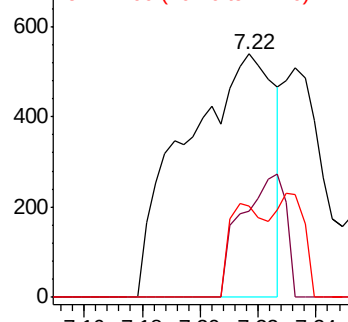
71 15.6 33.8 50.8#



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



#31

Cyclohexane

Concen: 0.709 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

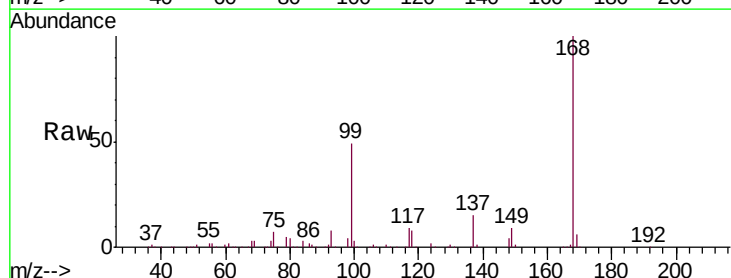
Tgt Ion: 56 Resp: 15313

Ion Ratio Lower Upper

56 100

69 193.1 26.7 40.1#

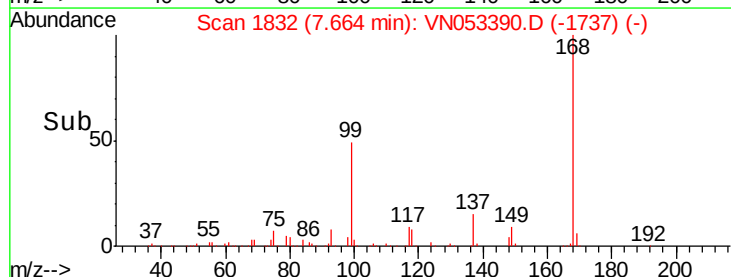
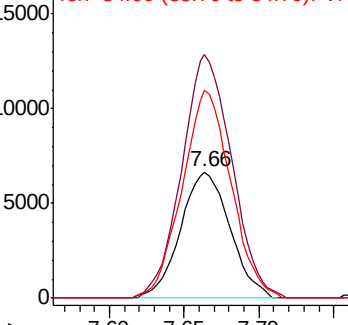
84 164.9 68.2 102.4#

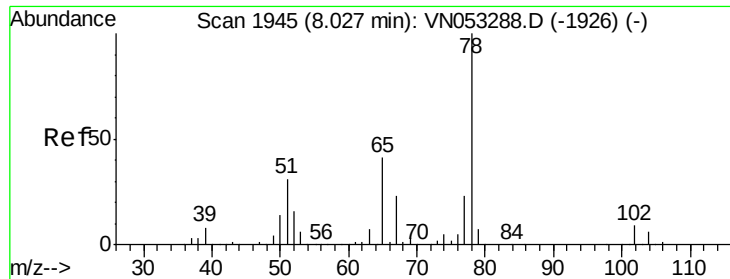


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

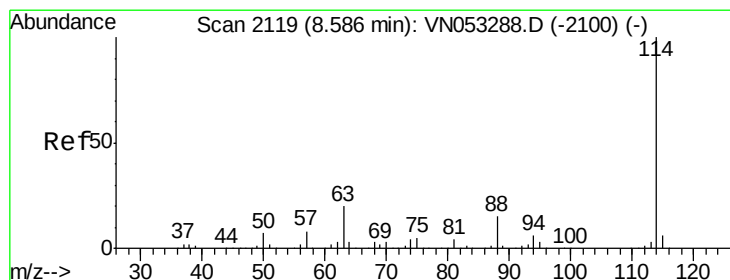
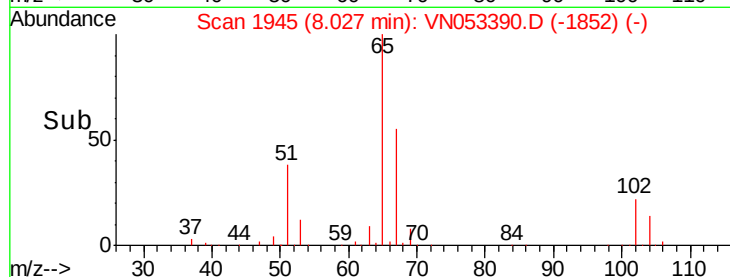
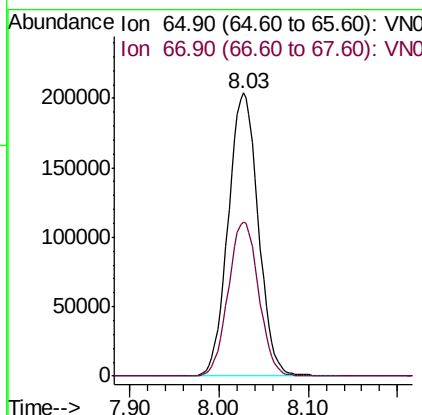
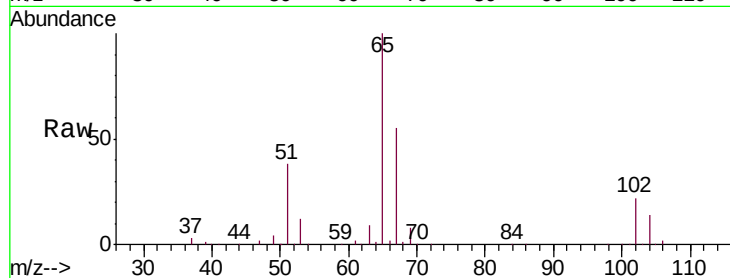




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

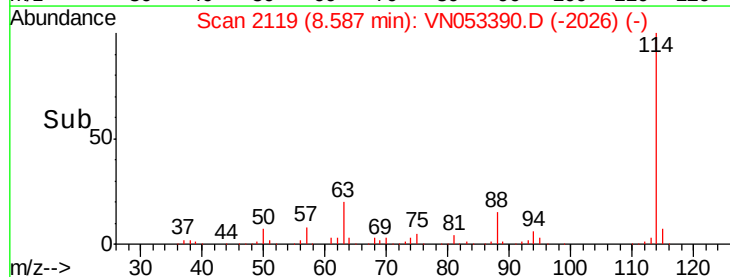
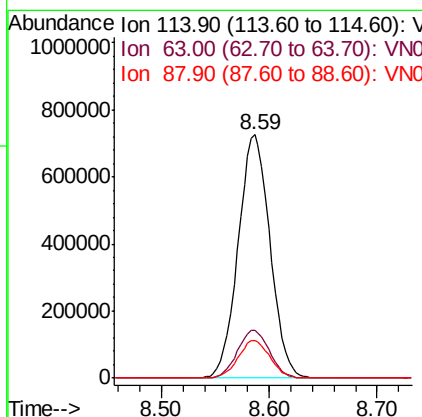
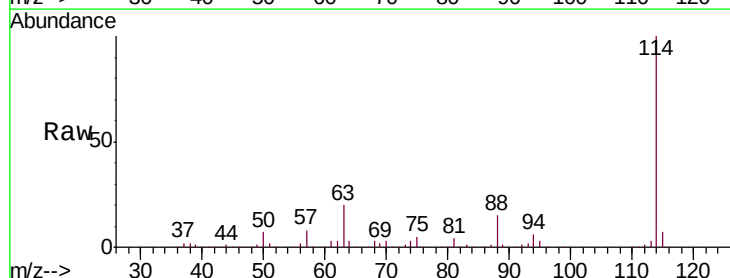
Instrument :
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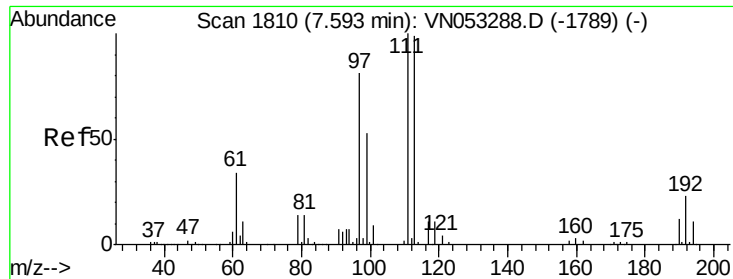
Tgt Ion: 65 Resp: 476673
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

Tgt Ion: 114 Resp: 1490392
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.5 0.0 30.8

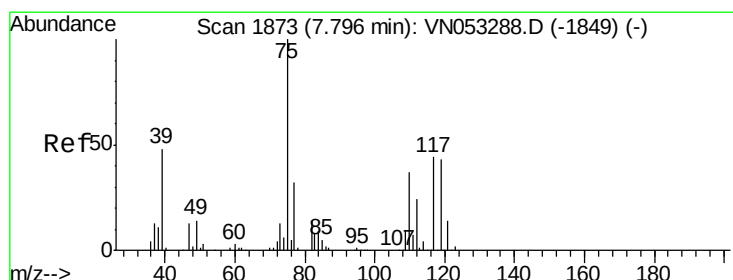
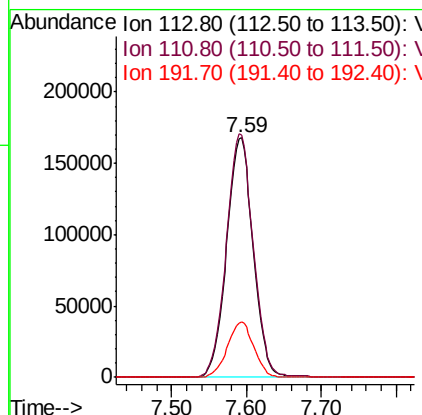
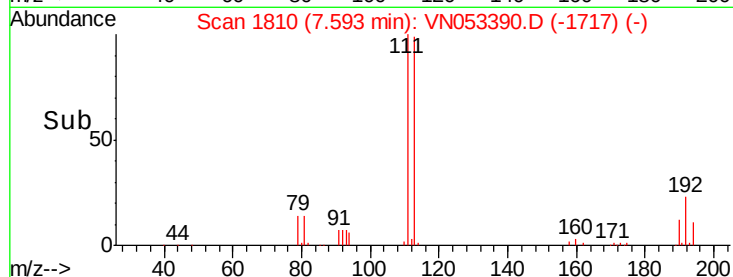
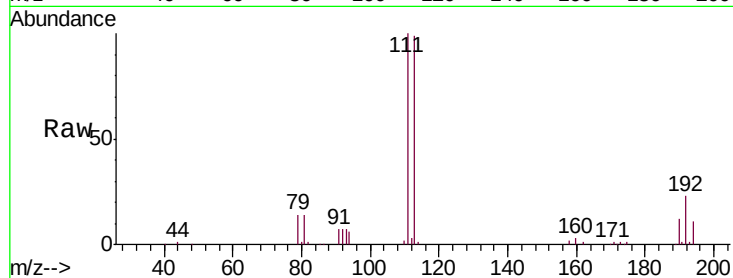




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

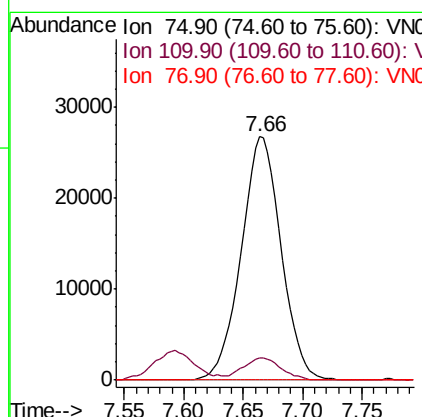
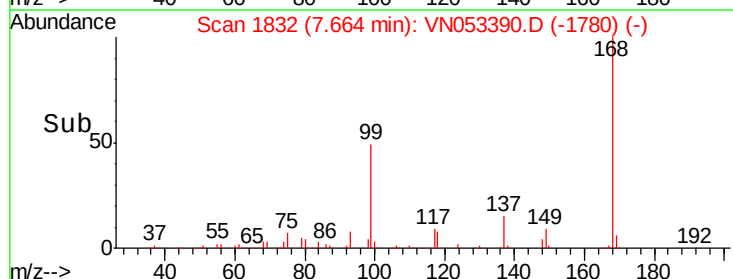
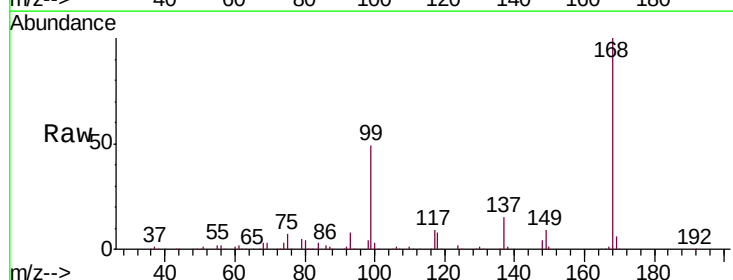
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#03

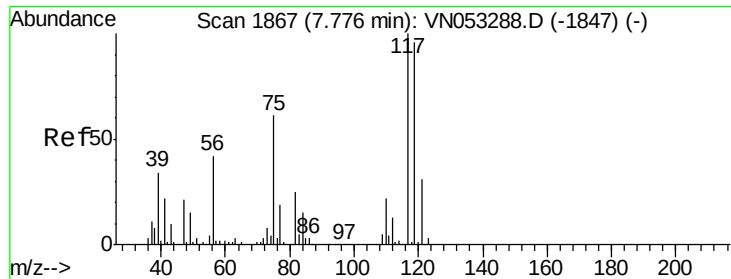
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	23.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.464 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.4	55.0#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#03

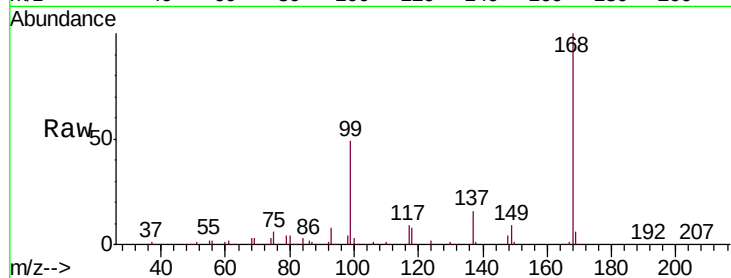
Tgt Ion:117 Resp: 82273

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

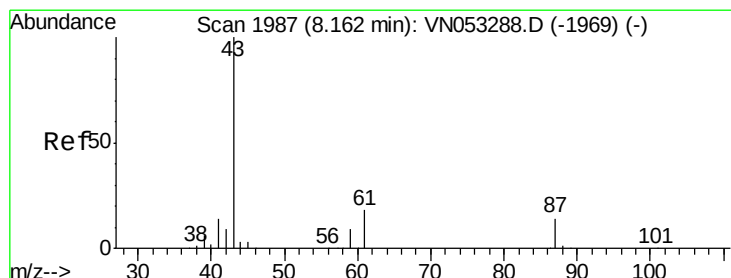
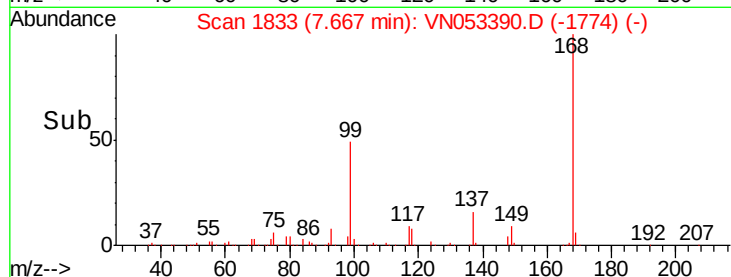
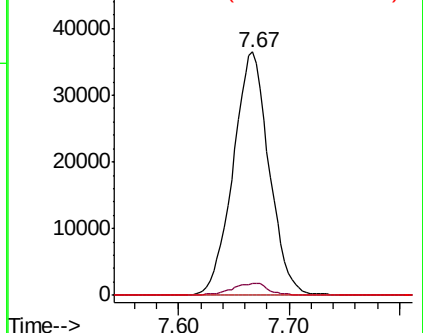
121 0.0 25.0 37.4#



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: 2.592 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

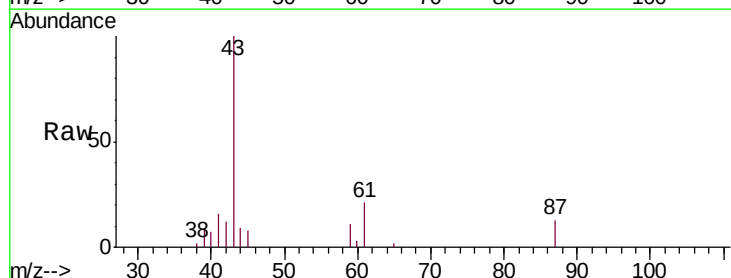
Tgt Ion: 43 Resp: 46216

Ion Ratio Lower Upper

43 100

61 16.4 23.3 34.9#

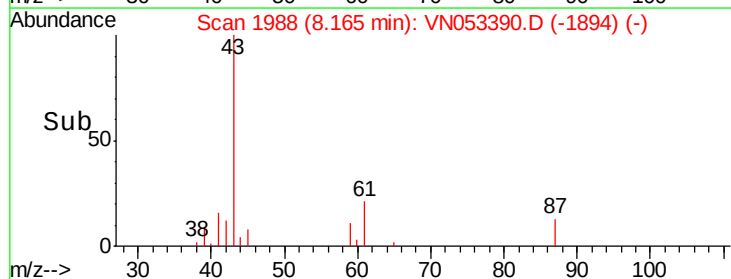
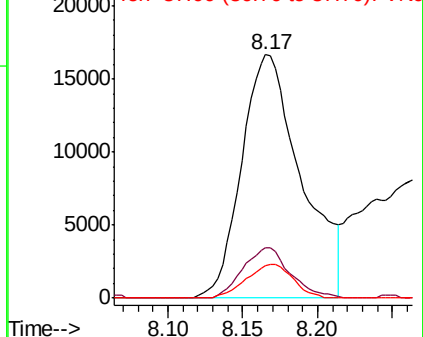
87 10.9 10.8 16.2

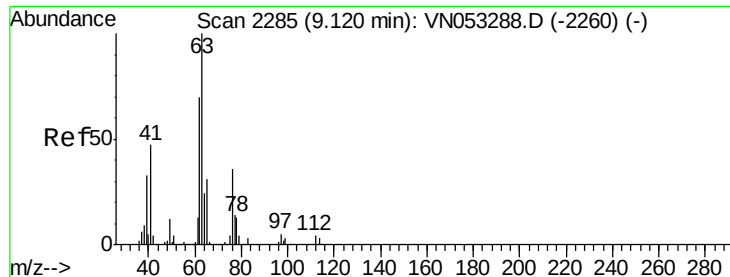


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

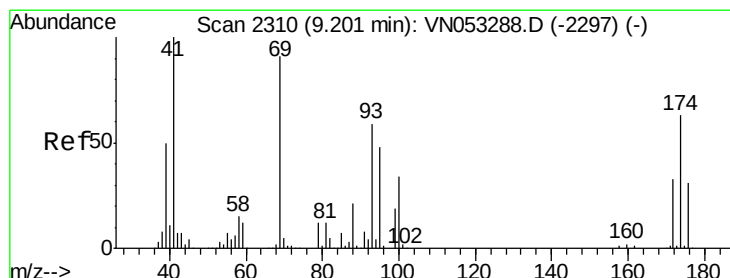
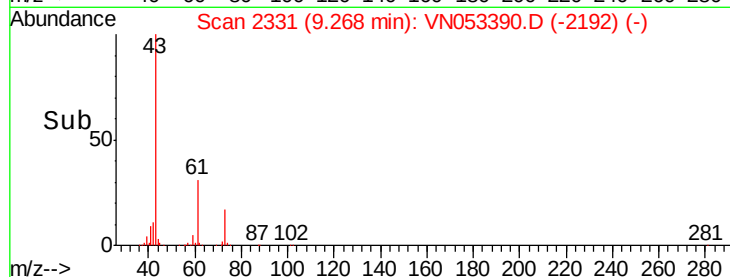
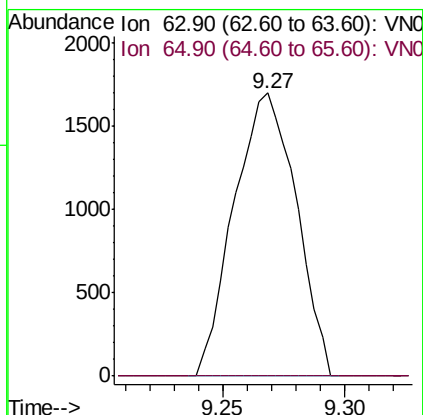
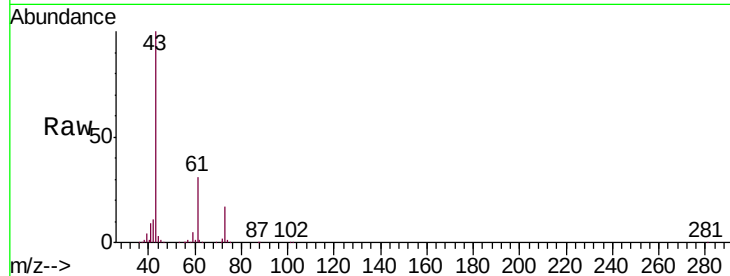




#45
 1,2-Dichloropropane
 Concen: 0.270 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

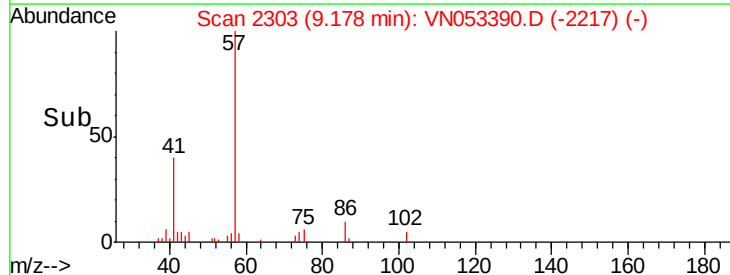
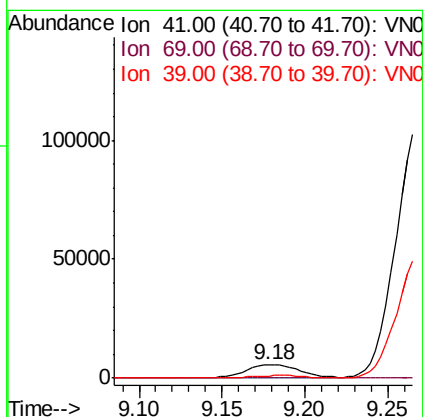
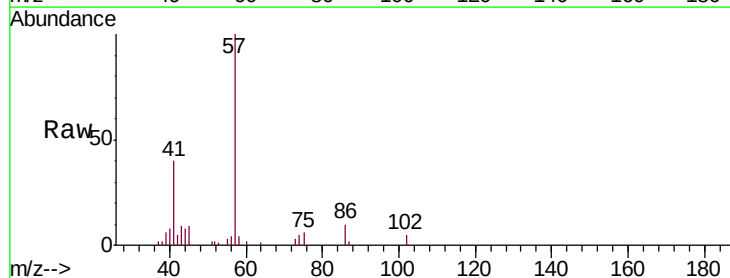
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#03

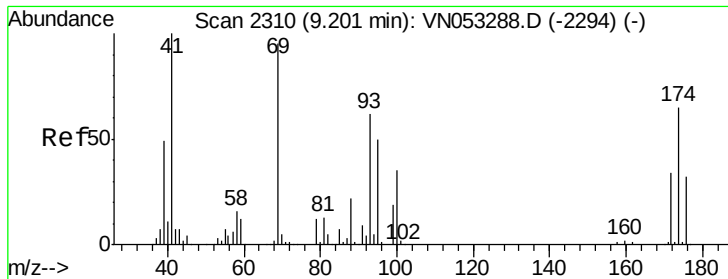
Tgt Ion: 63 Resp: 3007
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.479 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

Tgt Ion: 41 Resp: 11976
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.5 110.3#
 39 0.0 41.6 62.4#





#49

1,4-Dioxane

Concen: 3.360 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#03

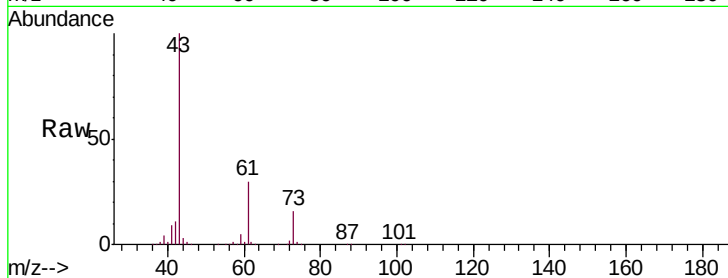
Tgt Ion: 88 Resp: 290

Ion Ratio Lower Upper

88 100

43 775093.4 26.2 39.4#

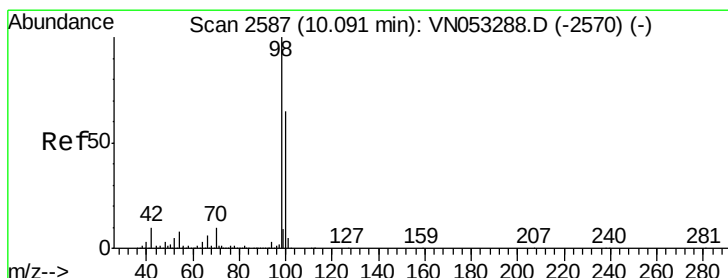
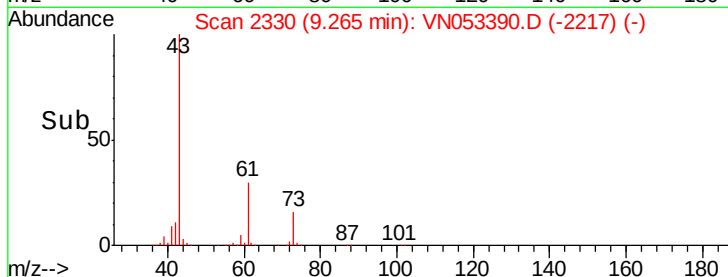
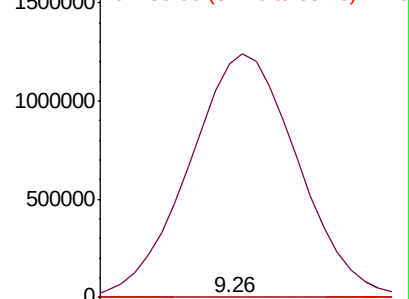
58 3577.2 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 3.360 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053390.D

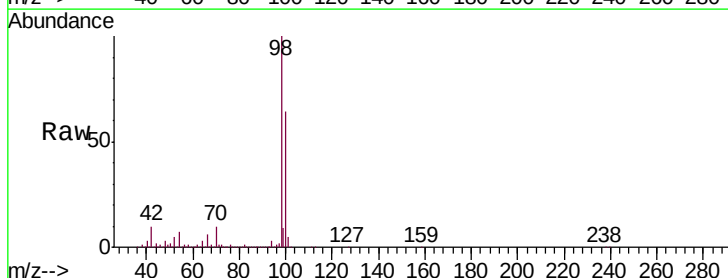
Acq: 14 Jan 2019 14:38

Tgt Ion: 98 Resp: 1876462

Ion Ratio Lower Upper

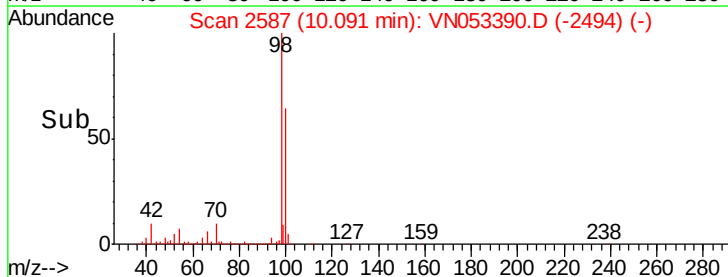
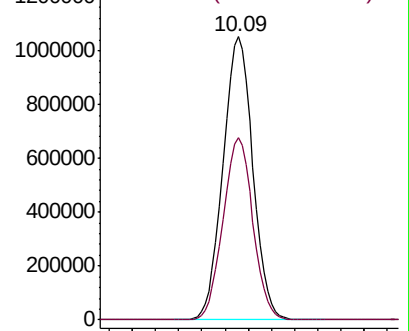
98 100

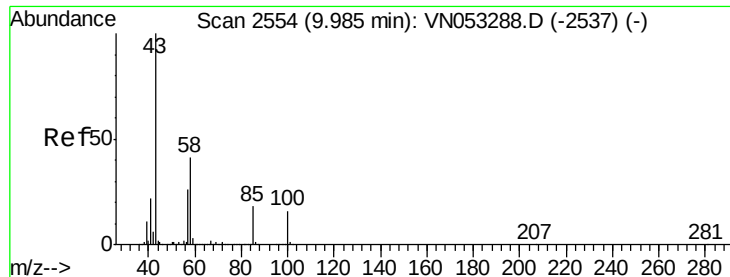
100 64.5 51.5 77.3



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: 1.899 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

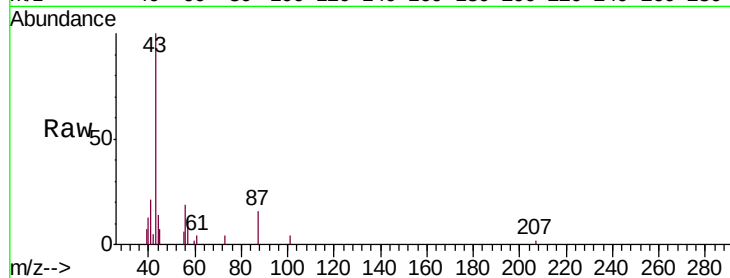
PB116342ZHE#03

Tgt Ion: 43 Resp: 17023

Ion Ratio Lower Upper

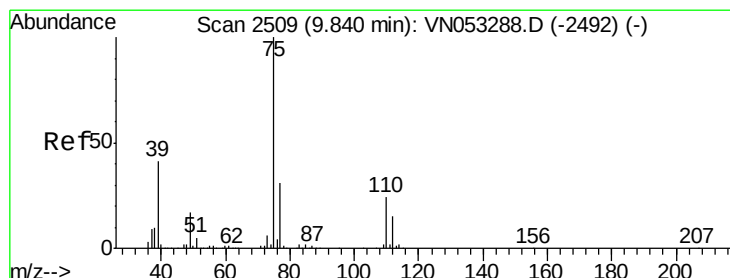
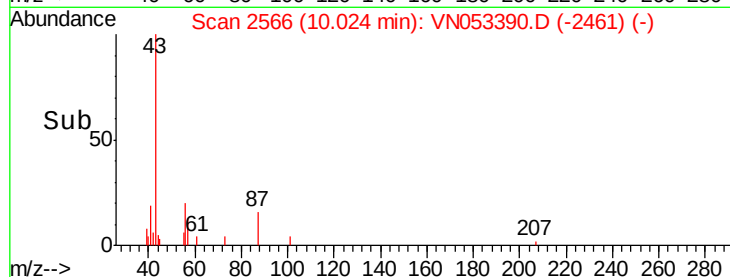
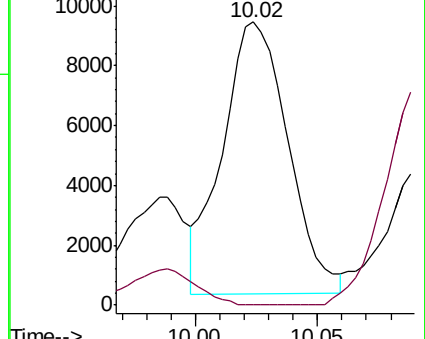
43 100

58 0.0 32.7 49.1#



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: 6.606 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

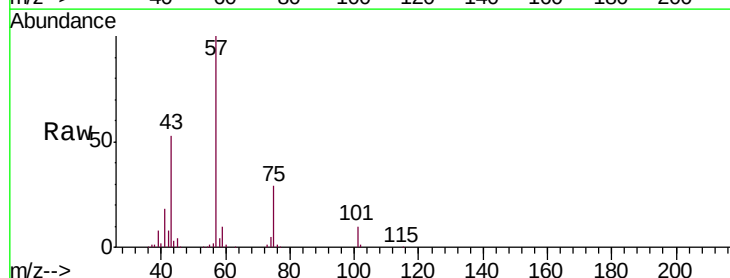
Tgt Ion: 75 Resp: 105775

Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

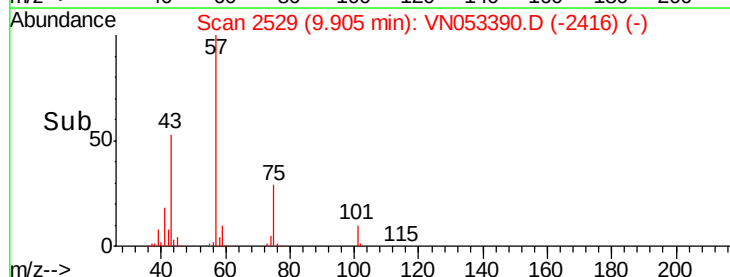
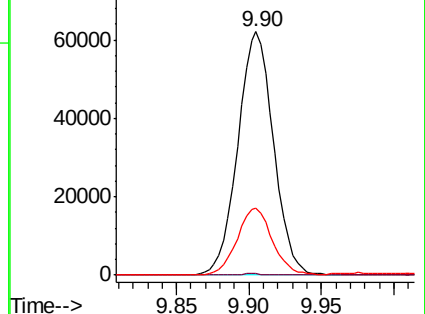
39 27.4 33.1 49.7#

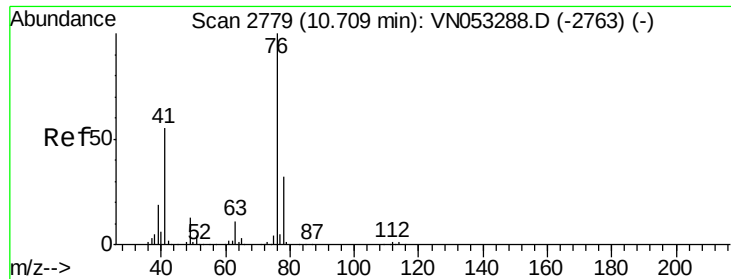


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

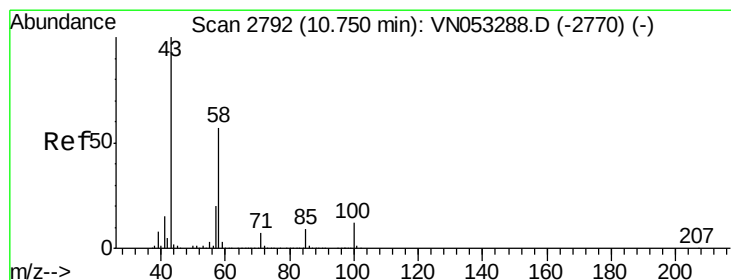
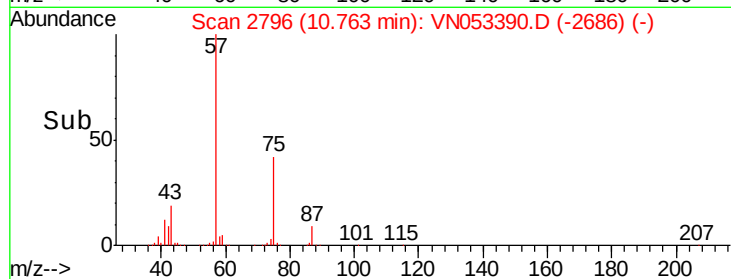
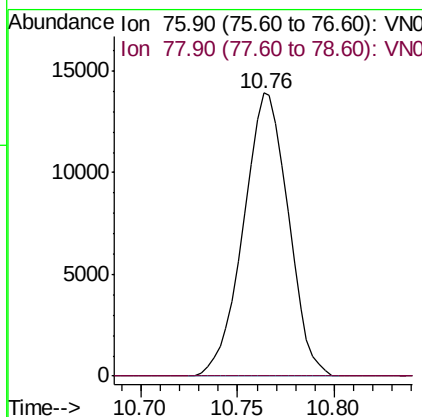
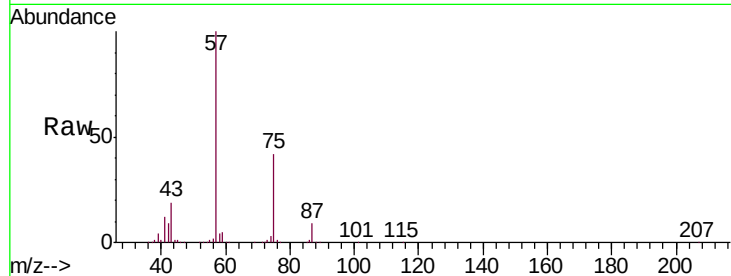




#57
 1,3-Dichloropropane
 Concen: 1.404 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

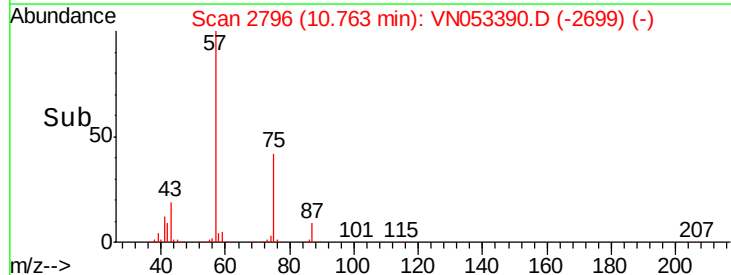
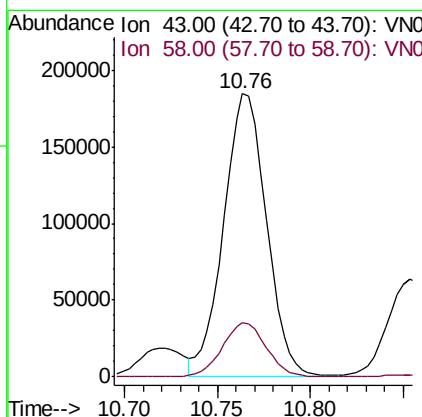
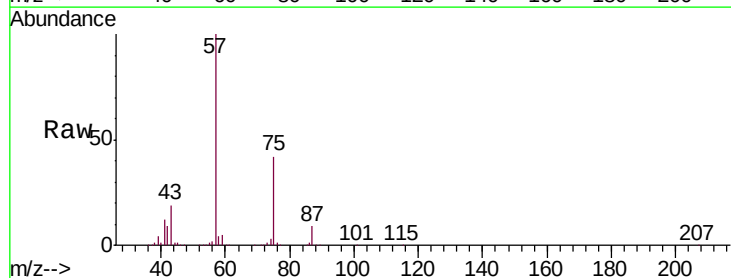
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#03

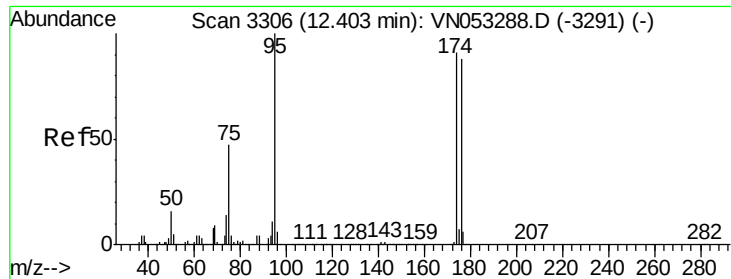
Tgt Ion: 76 Resp: 22509
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 47.940 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053390.D
 Acq: 14 Jan 2019 14:38

Tgt Ion: 43 Resp: 294498
 Ion Ratio Lower Upper
 43 100
 58 19.8 28.3 85.0#

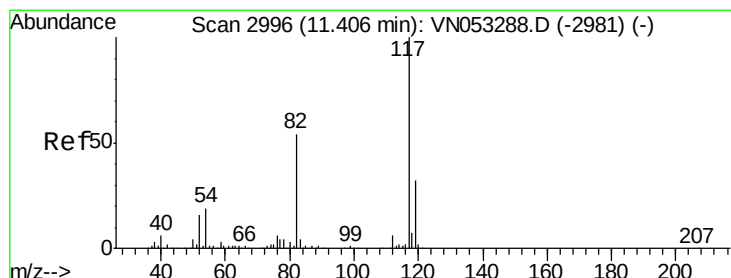
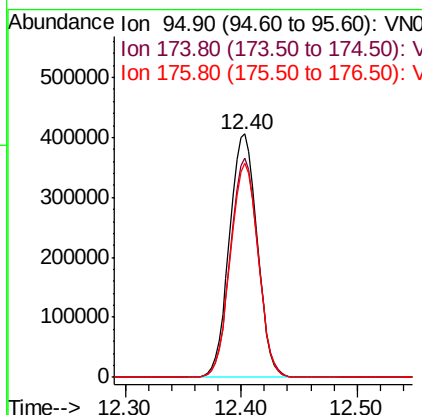
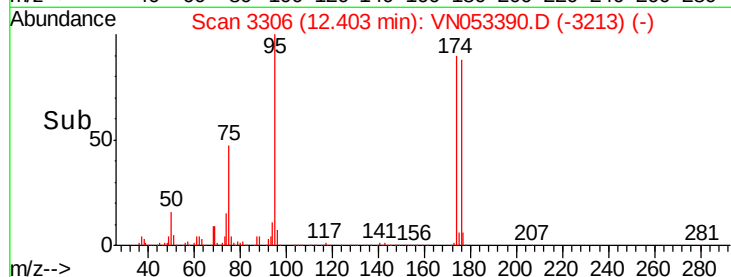
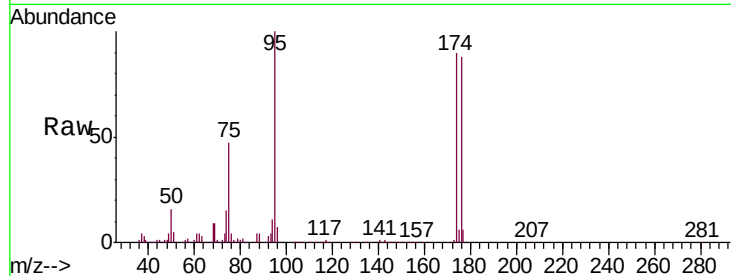




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053390.D
Acq: 14 Jan 2019 14:38

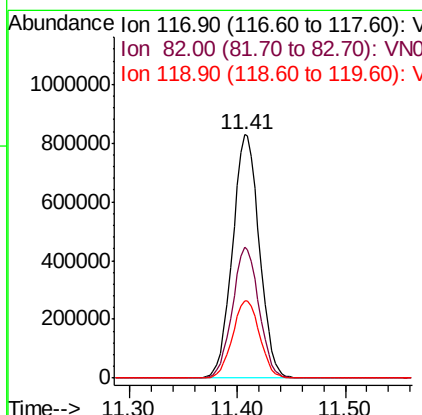
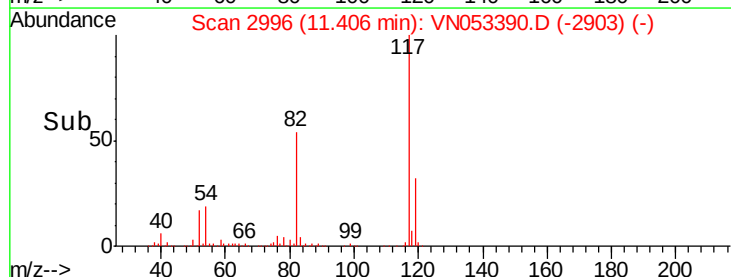
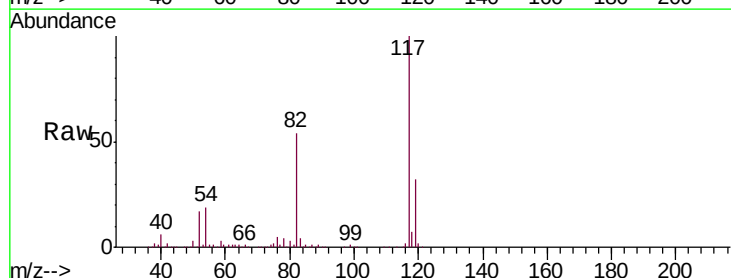
Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#03

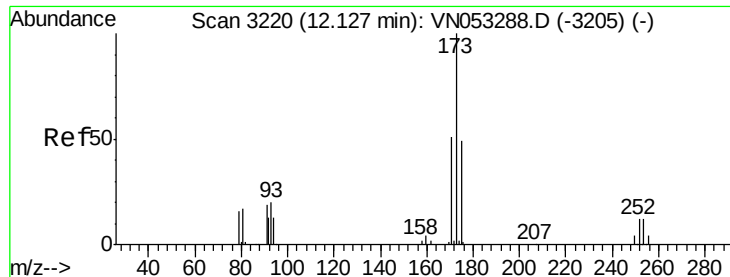
Tgt Ion: 95 Resp: 674424
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.4
176 87.6 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053390.D
Acq: 14 Jan 2019 14:38

Tgt Ion: 117 Resp: 1436026
Ion Ratio Lower Upper
117 100
82 53.7 42.9 64.3
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.399 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#03

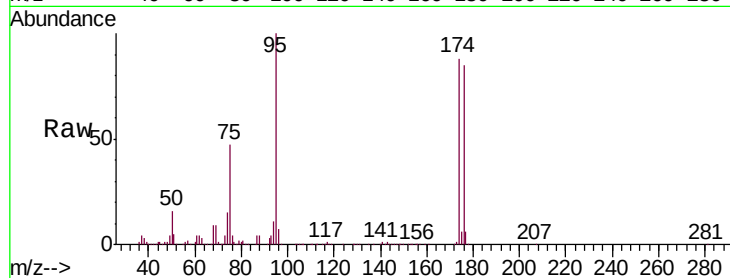
Tgt Ion:173 Resp: 3075

Ion Ratio Lower Upper

173 100

175 1242.2 24.3 72.8#

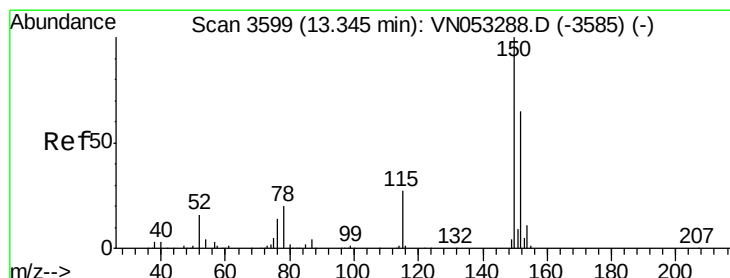
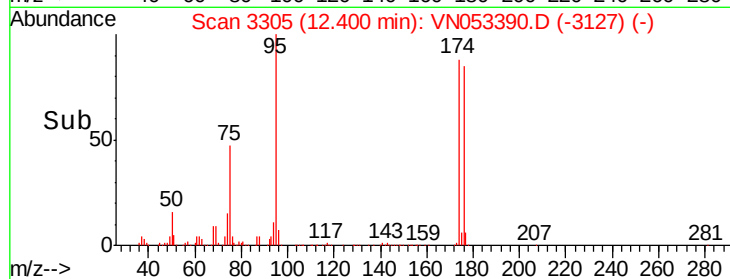
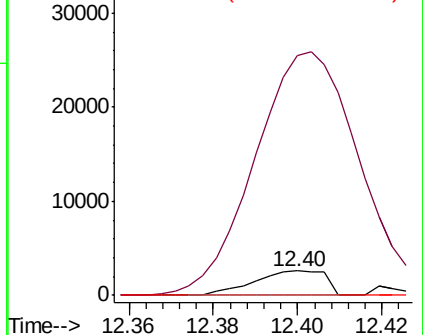
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

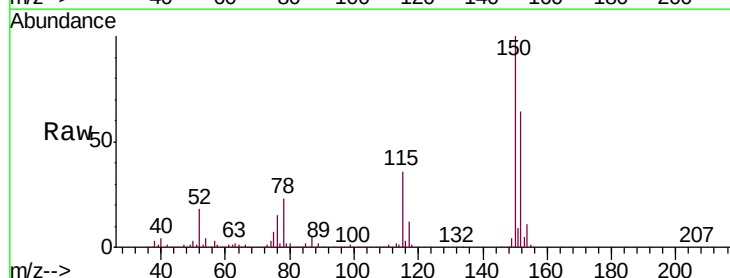
Tgt Ion:152 Resp: 639277

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

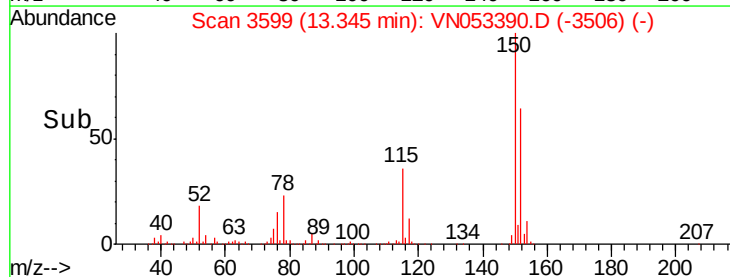
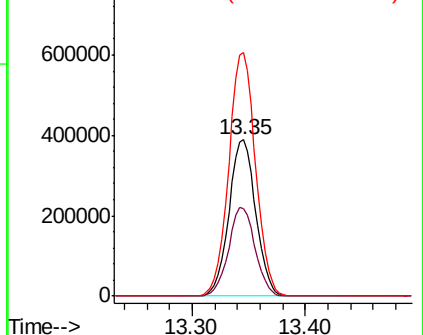
150 155.6 0.0 346.6

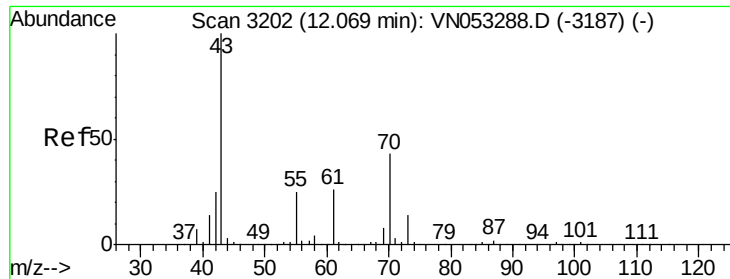


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 2.580 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#03

Tgt Ion: 43 Resp: 36673

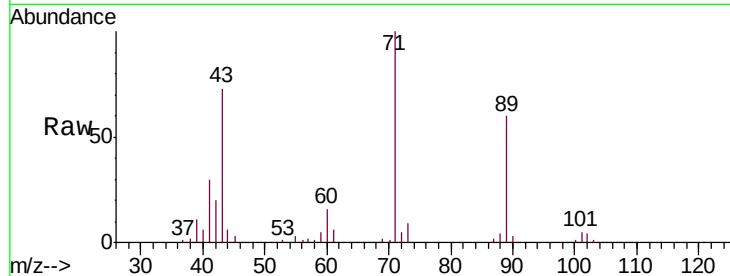
Ion Ratio Lower Upper

43 100

70 2.0 35.0 52.6#

55 4.4 20.0 30.0#

61 10.4 20.3 30.5#

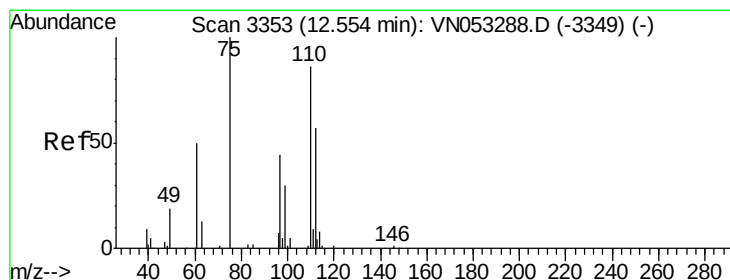
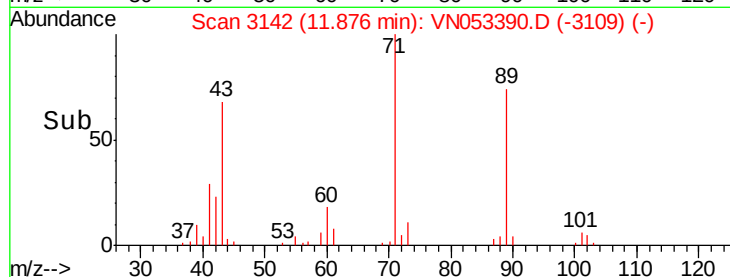
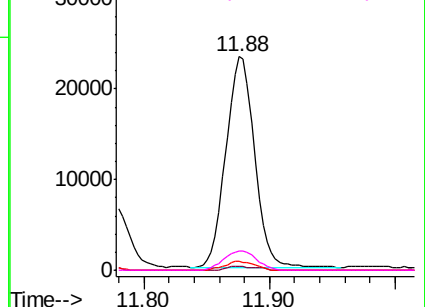


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 33.805 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053390.D

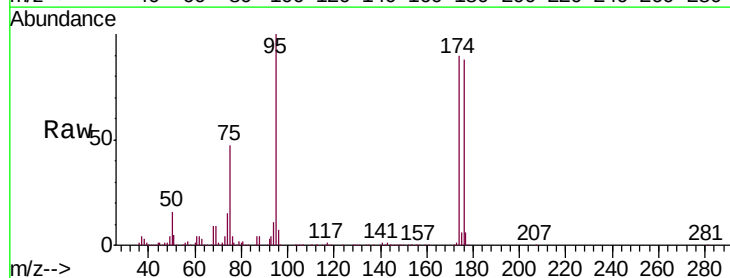
Acq: 14 Jan 2019 14:38

Tgt Ion: 75 Resp: 315206

Ion Ratio Lower Upper

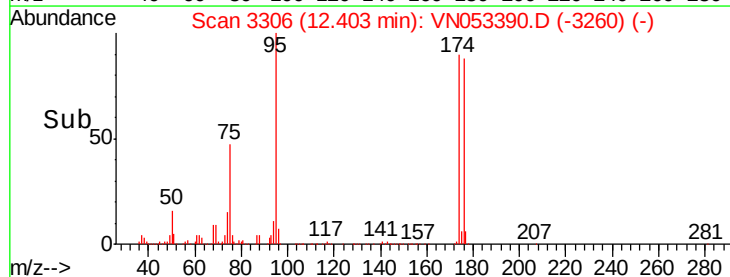
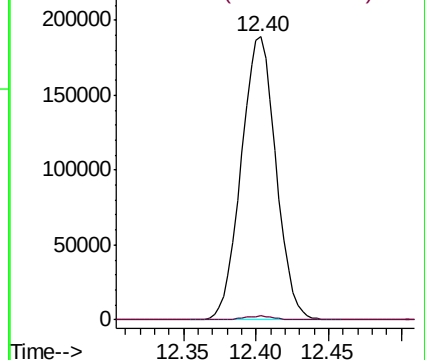
75 100

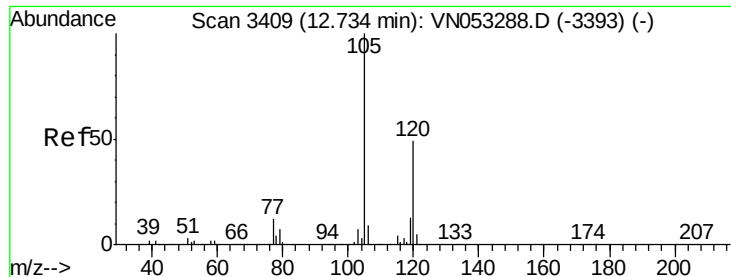
77 1.3 0.0 0.0#



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: 0.305 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

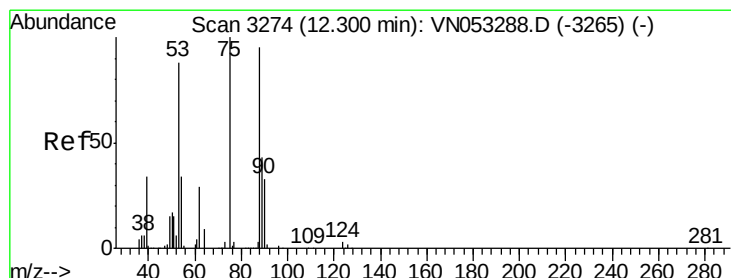
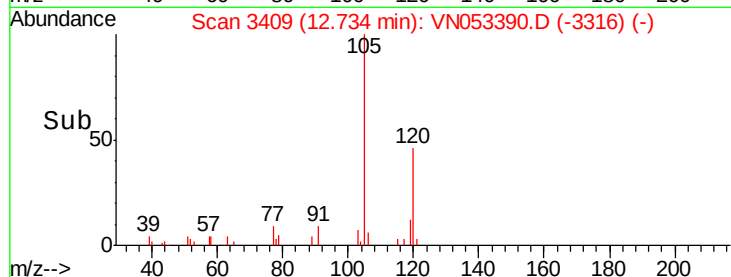
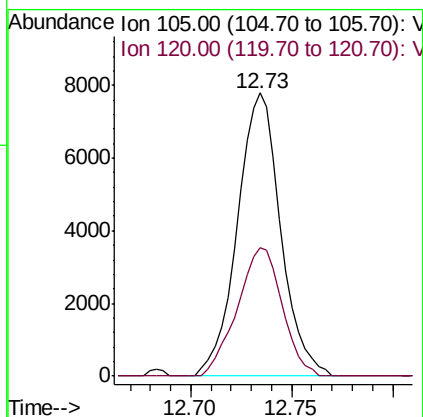
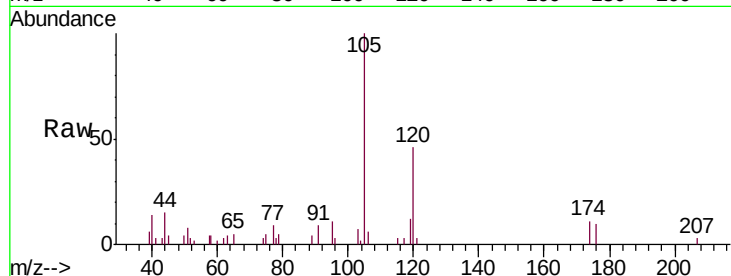
PB116342ZHE#03

Tgt Ion:105 Resp: 11698

Ion Ratio Lower Upper

105 100

120 47.0 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 99.460 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053390.D

Acq: 14 Jan 2019 14:38

Tgt Ion: 75 Resp: 315206

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#

