

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053786.D
 Acq On : 14 Feb 2019 18:16
 Operator : JC/SP
 Sample : PB117097ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 01:06:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	738358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1238915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1166990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	456955	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	395331	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	7.59	113	394245	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.09	98	1513785	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	493760	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

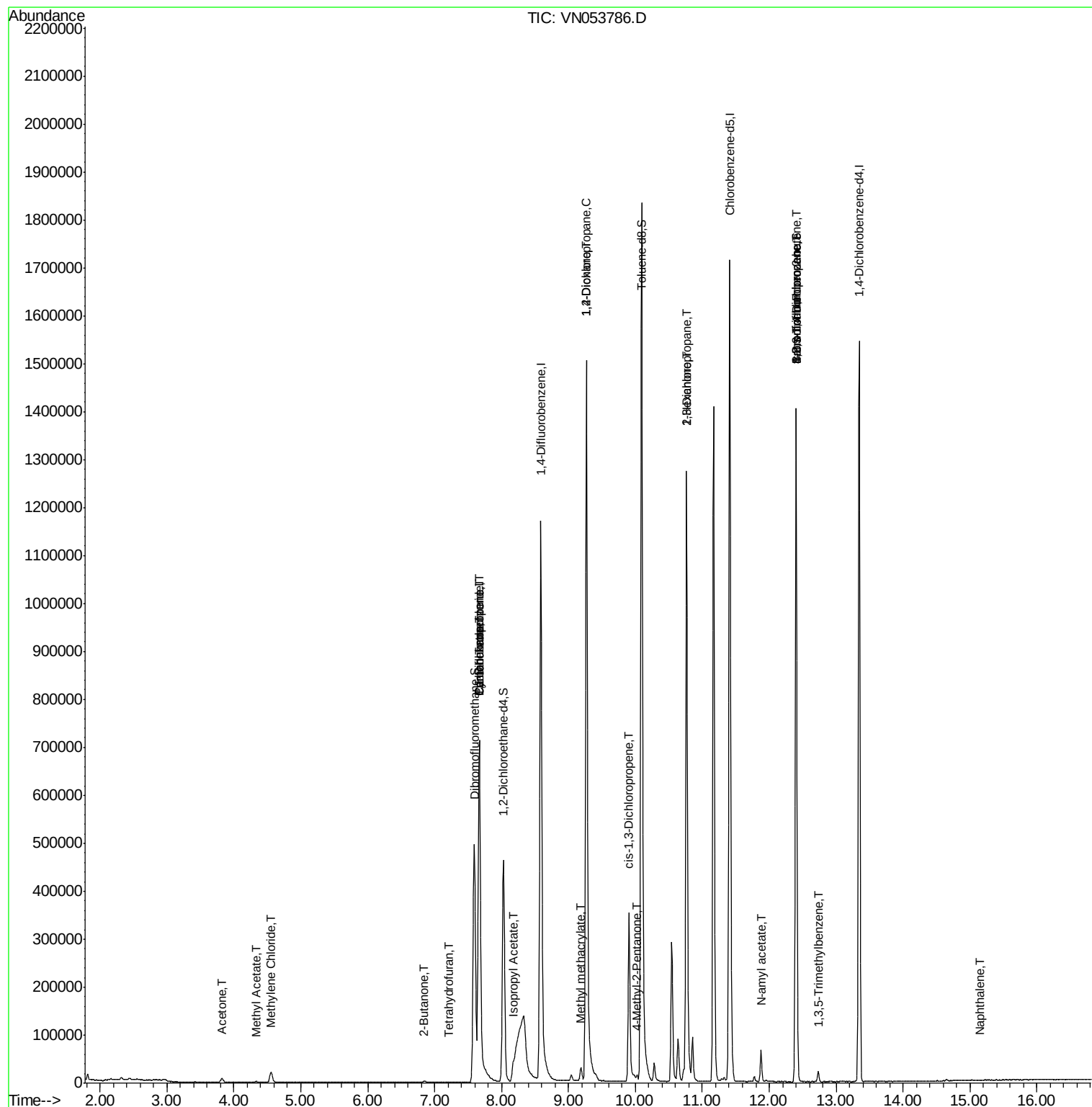
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	14941	7.864	ug/l	97
18) Methyl Acetate	4.33	43	3377	0.600	ug/l #	58
20) Methylene Chloride	4.55	84	17792	2.232	ug/l	93
25) 2-Butanone	6.85	43	2967	1.095	ug/l	91
29) Tetrahydrofuran	7.22	42	1243	0.714	ug/l #	67
31) Cyclohexane	7.67	56	10169	0.645	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44897	4.020	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58913	5.236	ug/l #	16
43) Isopropyl Acetate	8.17	43	35236	2.925	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	1901	0.216	ug/l #	43
48) Methyl methacrylate	9.18	41	10299	1.791	ug/l #	12
49) 1,4-Dioxane	9.27	88	30	39.444	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	8938	1.510	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	77195	5.892	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	14636	1.163	ug/l #	43
59) 2-Hexanone	10.76	43	188910	47.011	ug/l #	52
71) Bromoform	12.41	173	3360	0.566	ug/l #	1
74) N-amyl acetate	11.88	43	19480	2.522	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	226294	38.555	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	11330	0.425	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	226294	108.415	ug/l #	15
95) Naphthalene	15.13	128	68	1.740	ug/l #	69

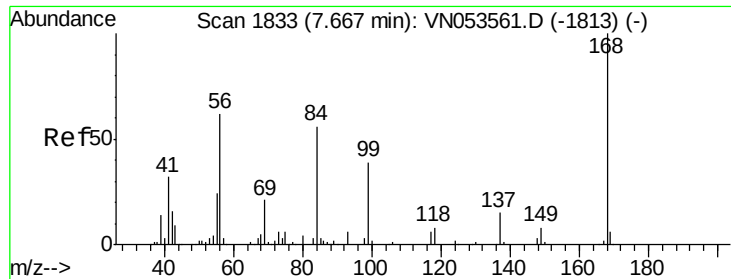
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN053786.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 15 01:06:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
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: VN053786.D

Acq: 14 Feb 2019 18:16

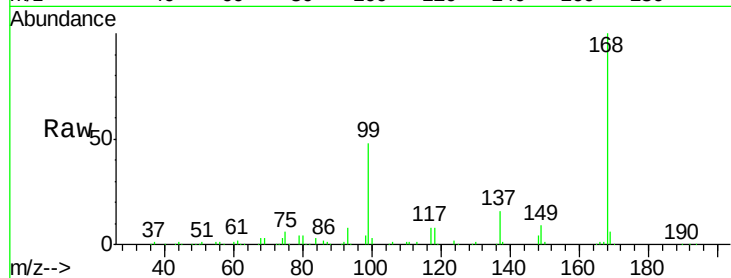
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 738358

Ion Ratio Lower Upper

168 100

99 47.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

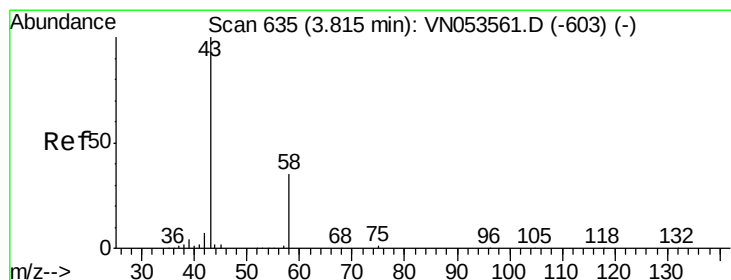
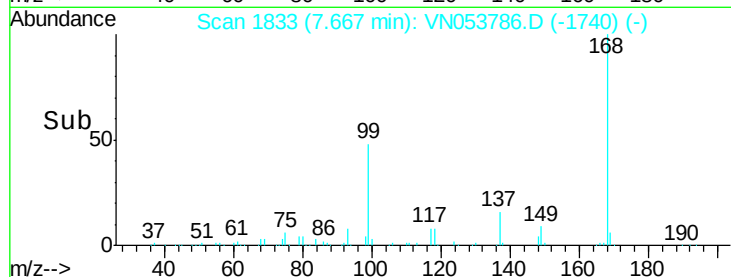
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 7.864 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053786.D

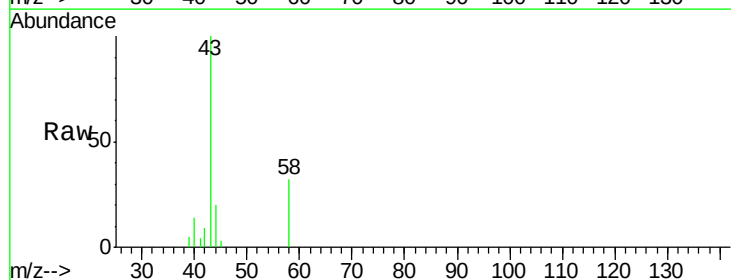
Acq: 14 Feb 2019 18:16

Tgt Ion: 43 Resp: 14941

Ion Ratio Lower Upper

43 100

58 32.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

6000

5000

4000

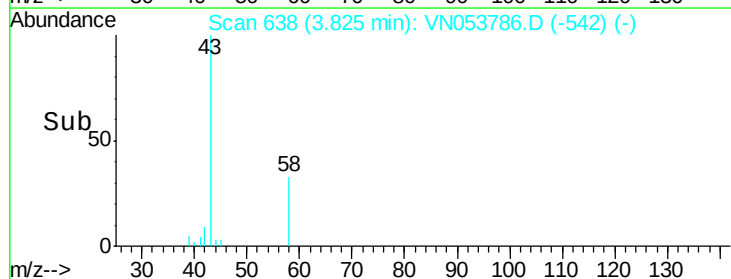
3000

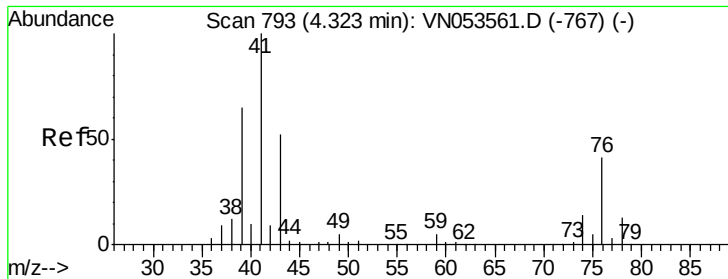
2000

1000

0

Time--> 3.70 3.75 3.80 3.85 3.90

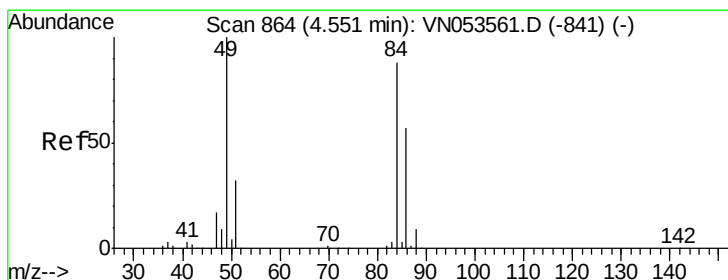
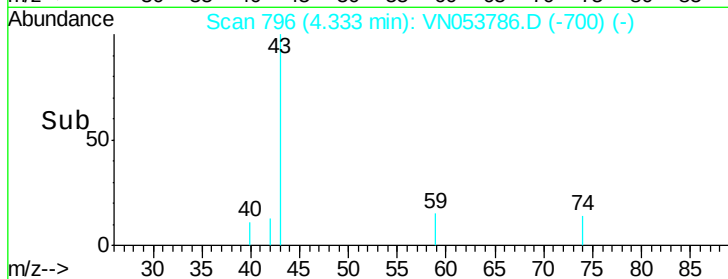
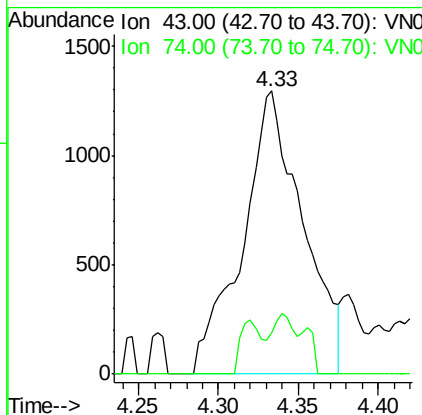
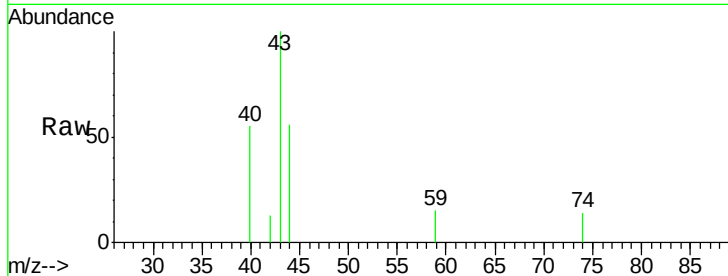




#18
Methyl Acetate
Concen: 0.600 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

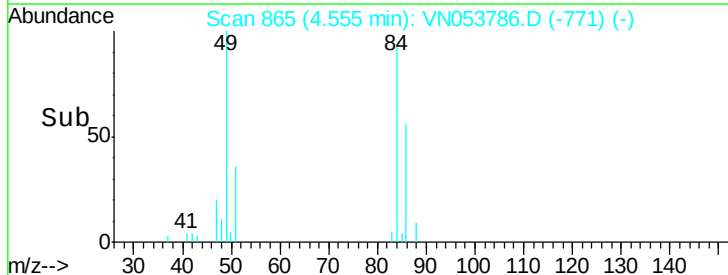
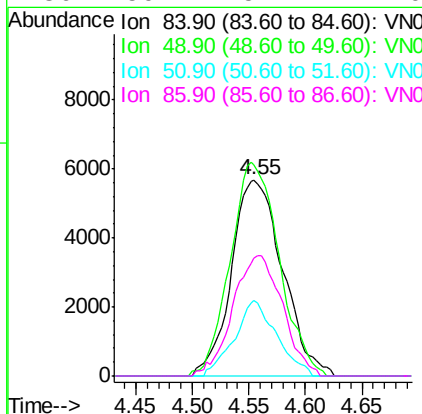
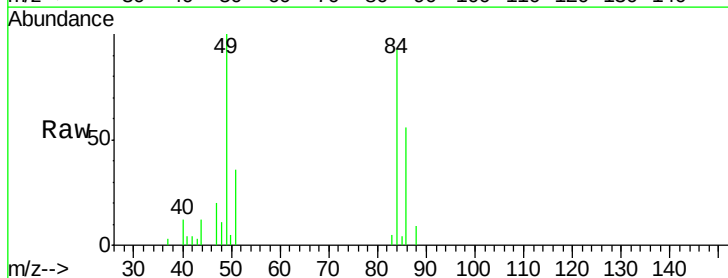
Instrument :
MSVOA_N
ClientSampled :

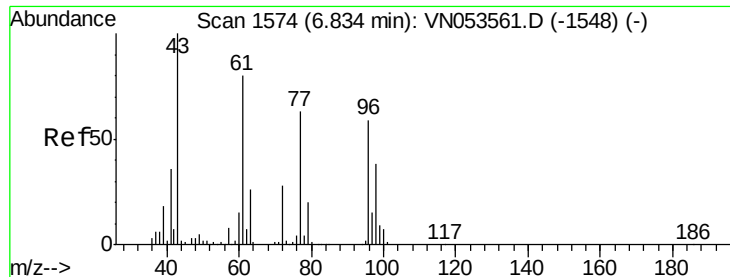
Tot Ion: 43 Resp: 3377
Ion Ratio Lower Upper
43 100
74 3.5 19.4 29.2#



#20
Methylene Chloride
Concen: 2.232 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion: 84 Resp: 17792
Ion Ratio Lower Upper
84 100
49 107.6 94.3 141.5
51 38.3 29.4 44.2
86 59.7 51.4 77.0

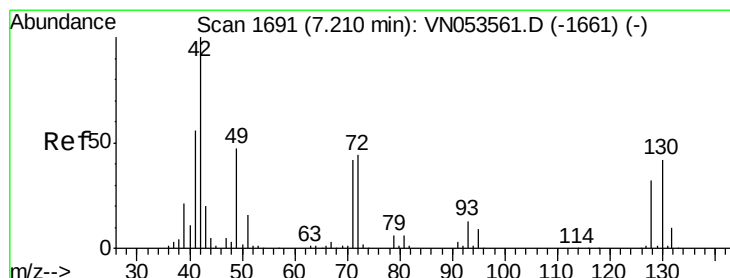
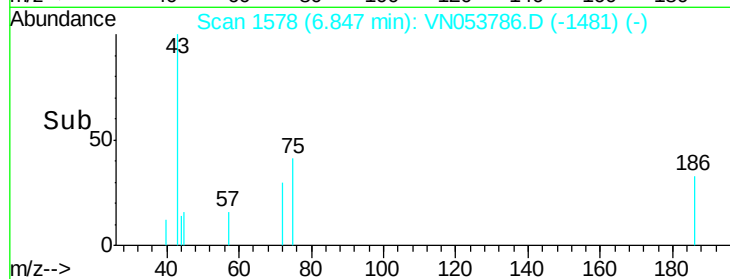
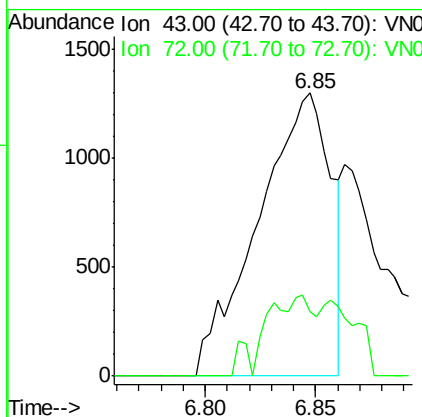
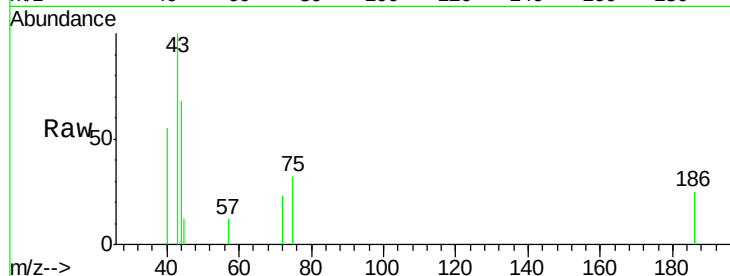




#25
 2-Butanone
 Concen: 1.095 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN053786.D
 Acq: 14 Feb 2019 18:16

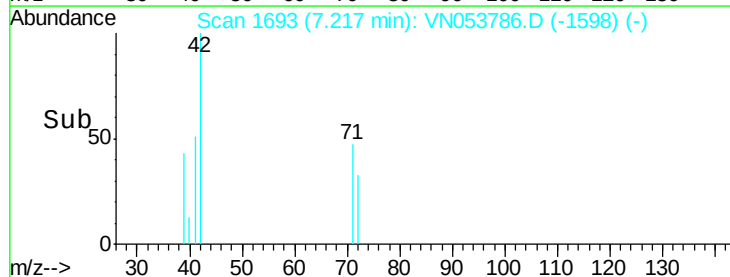
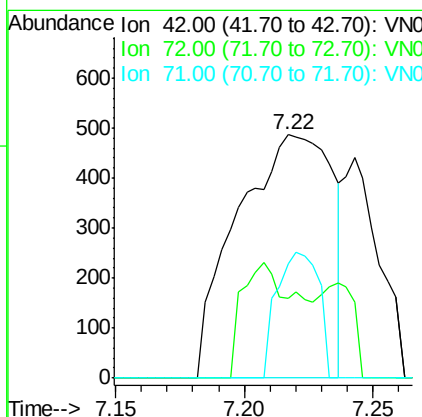
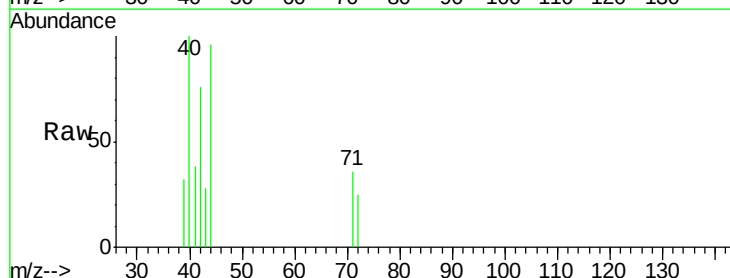
Instrument :
 MSVOA_N
 ClientSampled :

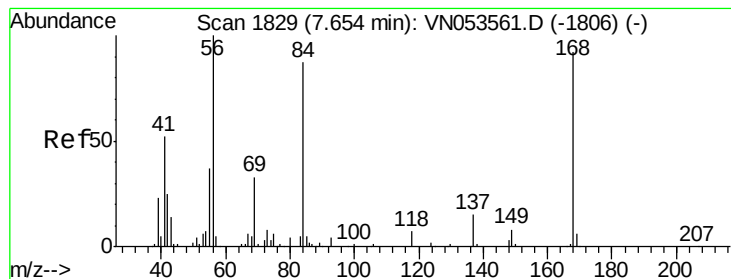
Tot Ion: 43 Resp: 2967
 Ion Ratio Lower Upper
 43 100
 72 23.0 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 0.714 ug/l
 RT: 7.22 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VN053786.D
 Acq: 14 Feb 2019 18:16

Tgt Ion: 42 Resp: 1243
 Ion Ratio Lower Upper
 42 100
 72 20.6 35.2 52.8#
 71 22.9 33.0 49.4#





#31

Cyclohexane

Concen: 0.645 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053786.D

Acq: 14 Feb 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

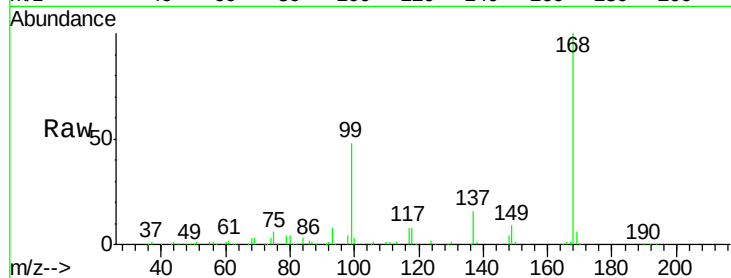
Tot Ion: 56 Resp: 10169

Ion Ratio Lower Upper

56 100

69 199.9 26.4 39.6#

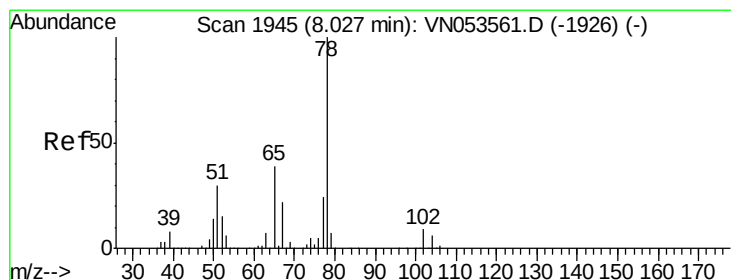
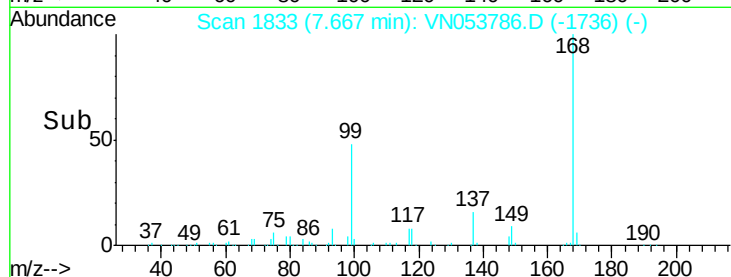
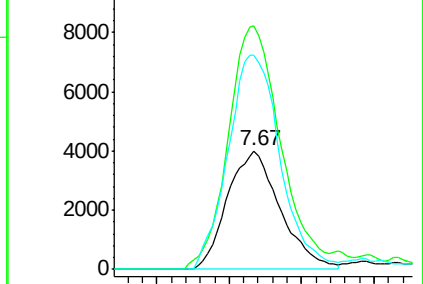
84 180.5 67.9 101.9#



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: 53.372 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053786.D

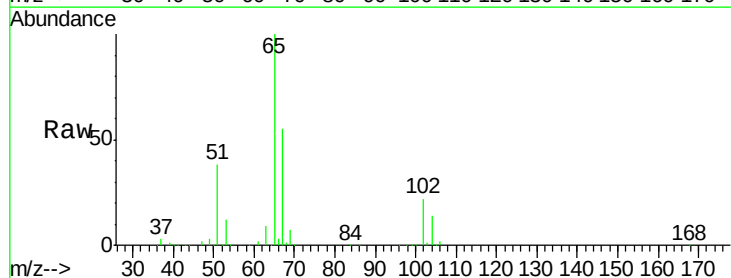
Acq: 14 Feb 2019 18:16

Tgt Ion: 65 Resp: 395331

Ion Ratio Lower Upper

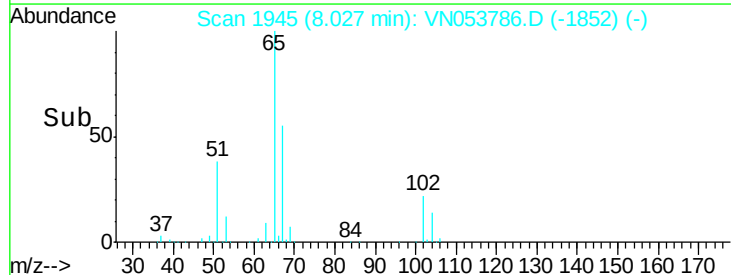
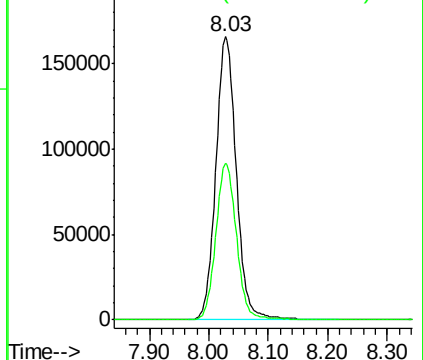
65 100

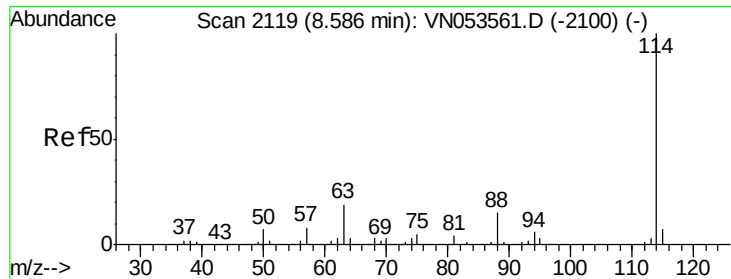
67 55.9 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

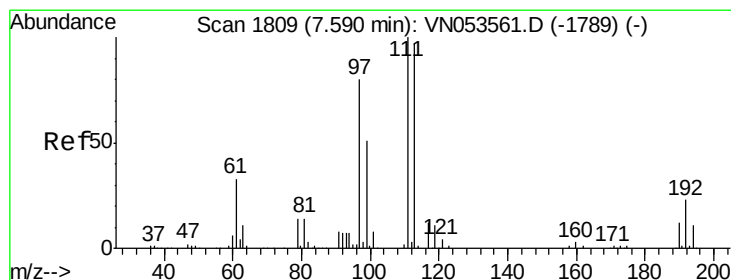
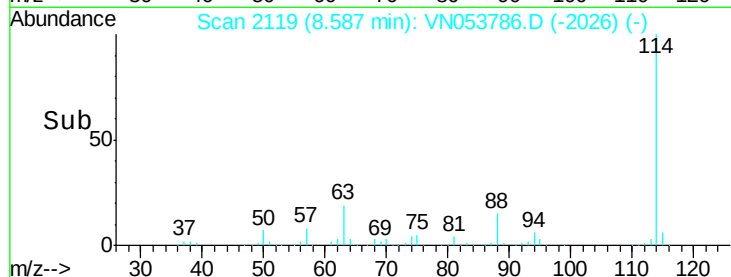
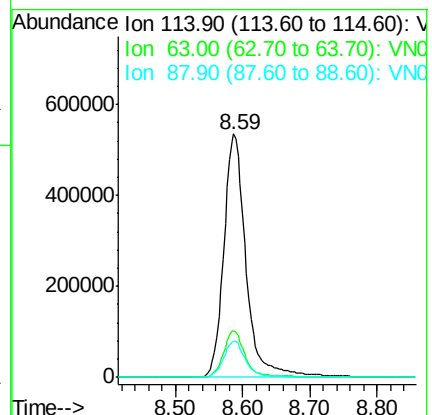
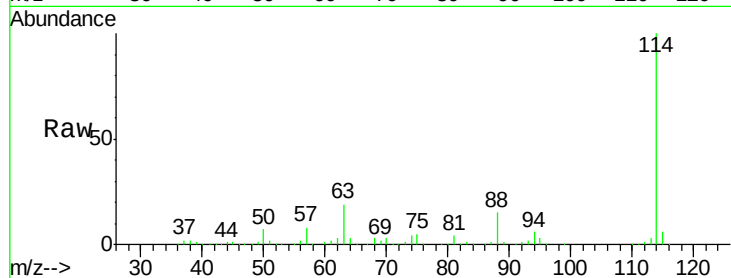




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

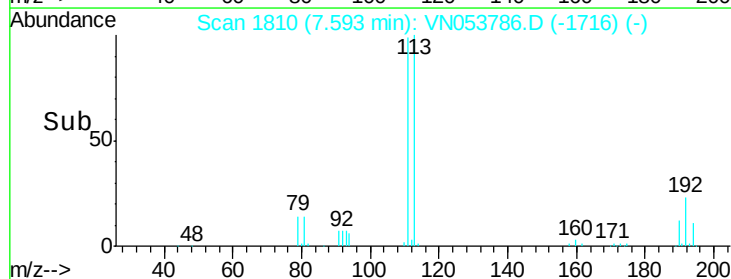
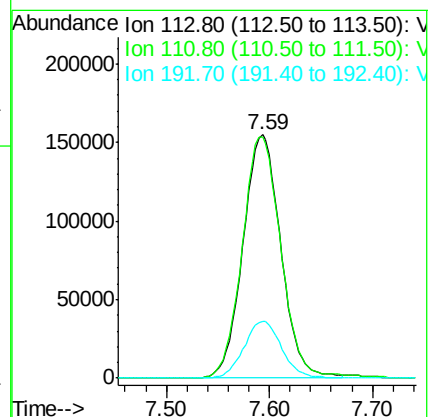
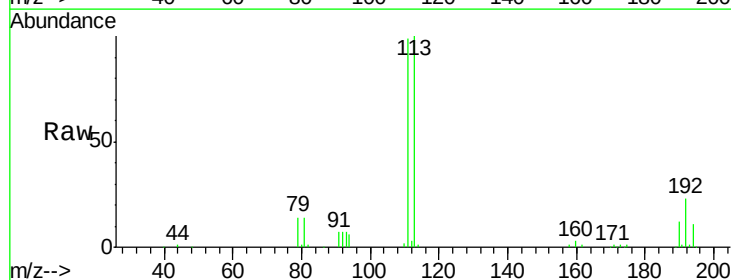
Instrument :
MSVOA_N
ClientSampleId :

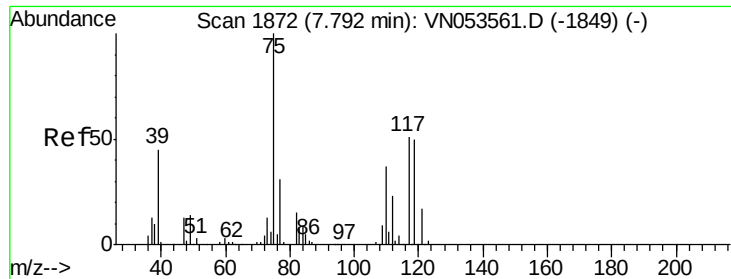
Tot Ion:114 Resp: 1238915
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.0 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.361 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion:113 Resp: 394245
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 23.4 18.2 27.2

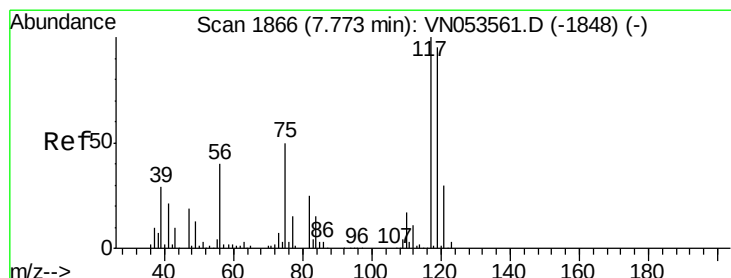
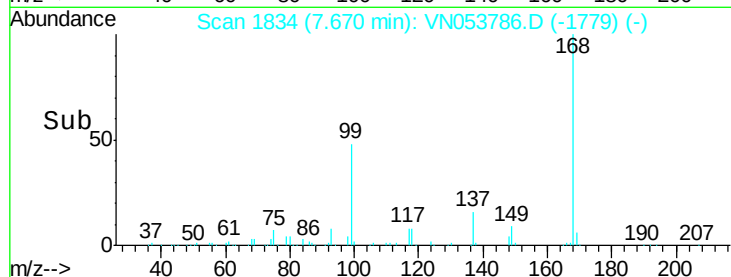
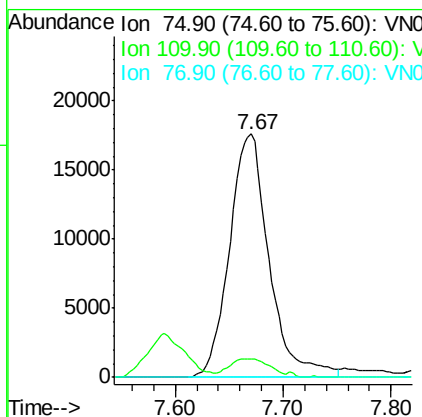
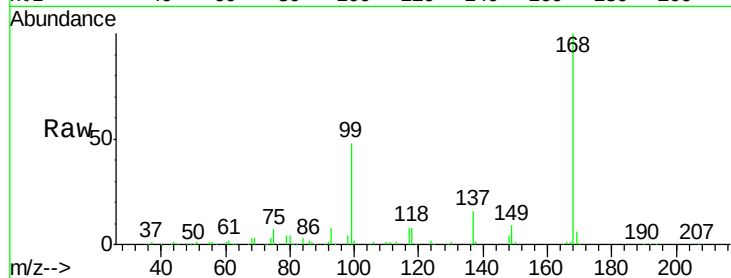




#36
 1,1-Dichloropropene
 Concen: 4.020 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN053786.D
 Acq: 14 Feb 2019 18:16

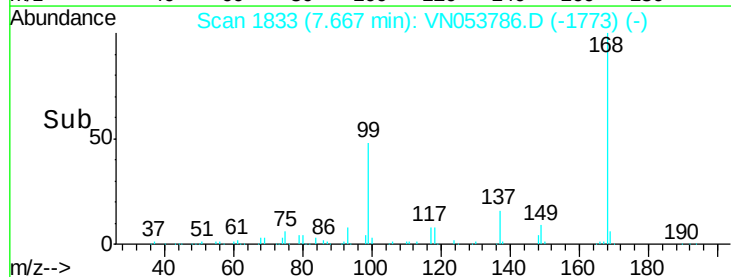
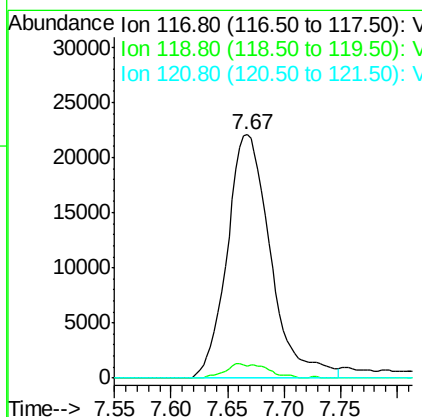
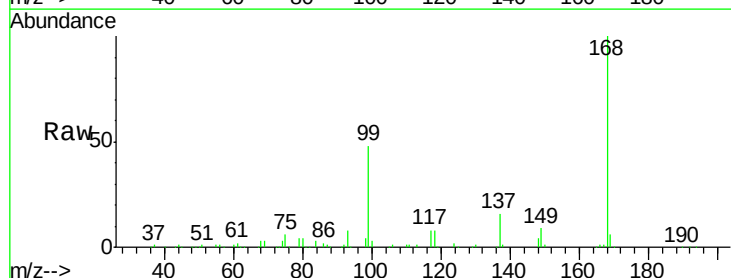
Instrument :
 MSVOA_N
 ClientSampled :

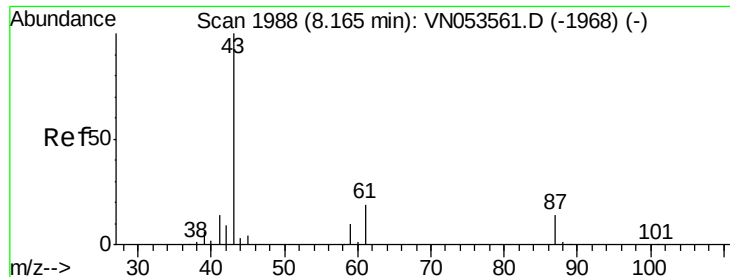
Tot Ion	75	Resp	44897
Ion Ratio	Lower	Upper	
75	100		
110	7.9	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.236 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053786.D
 Acq: 14 Feb 2019 18:16

Tgt Ion	117	Resp	58913
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.9	77.2	115.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 2.925 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053786.D

Acq: 14 Feb 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

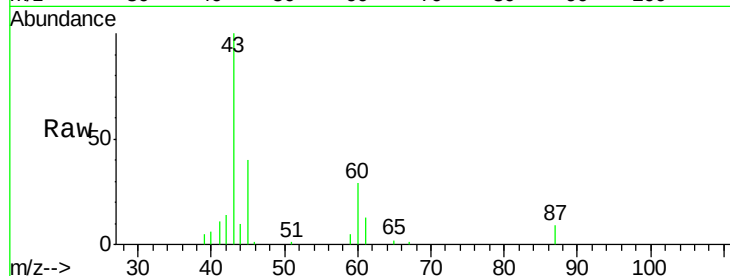
Tot Ion: 43 Resp: 35236

Ion Ratio Lower Upper

43 100

61 16.6 23.9 35.9#

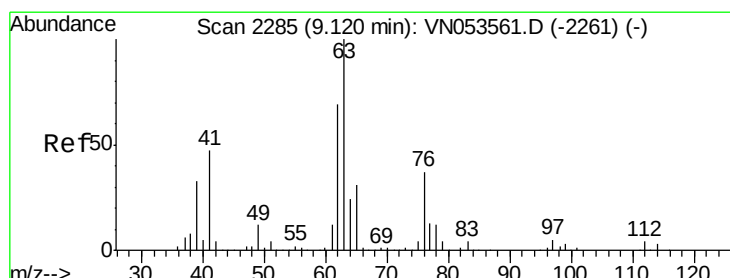
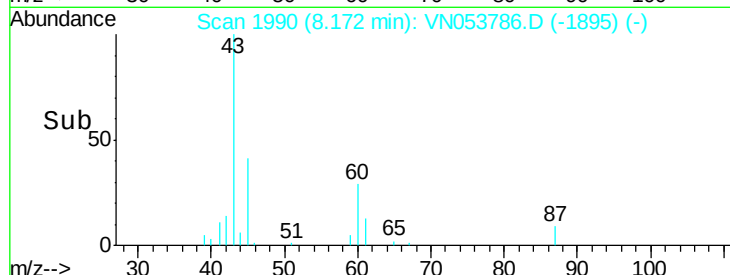
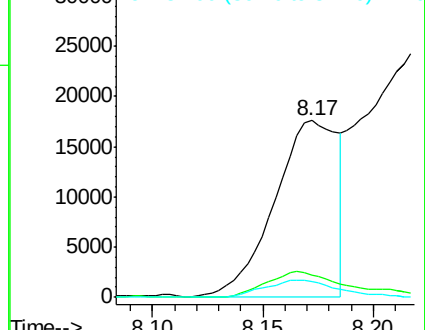
87 11.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.216 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053786.D

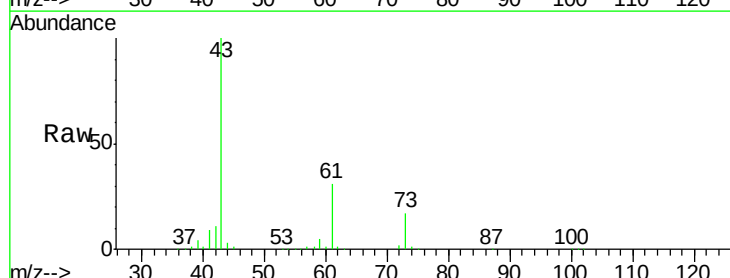
Acq: 14 Feb 2019 18:16

Tgt Ion: 63 Resp: 1901

Ion Ratio Lower Upper

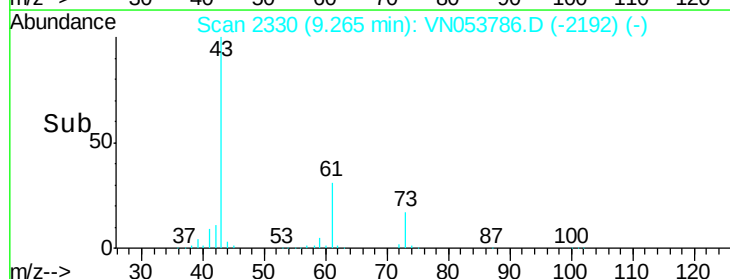
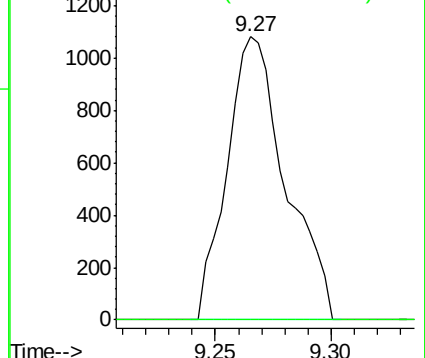
63 100

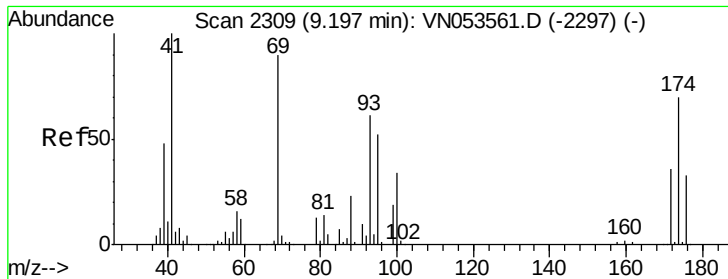
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

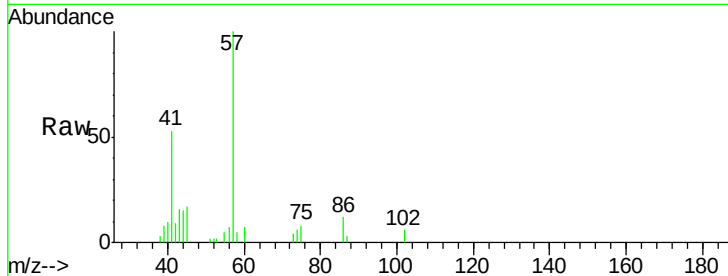




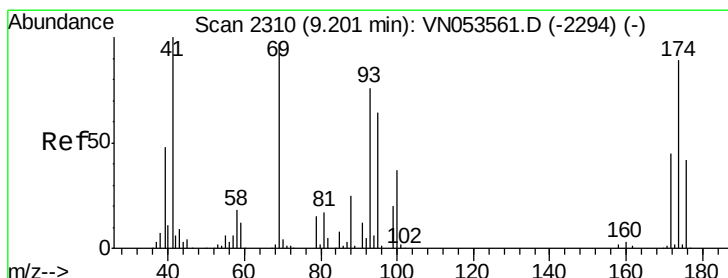
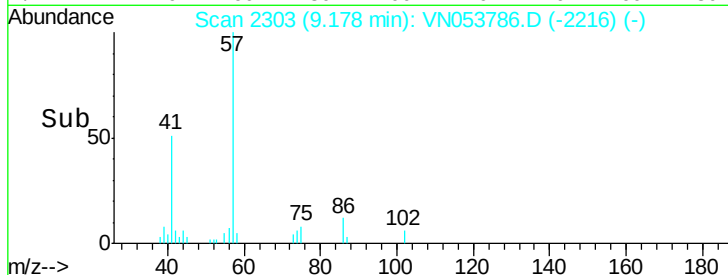
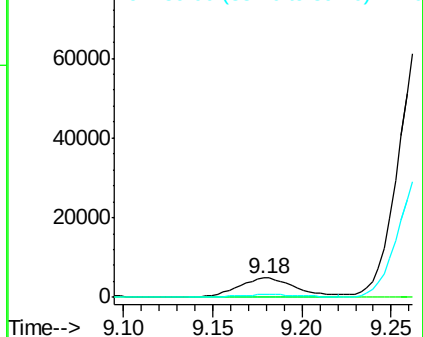
#48
Methvl methacrylate
Concen: 1.791 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 10299
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

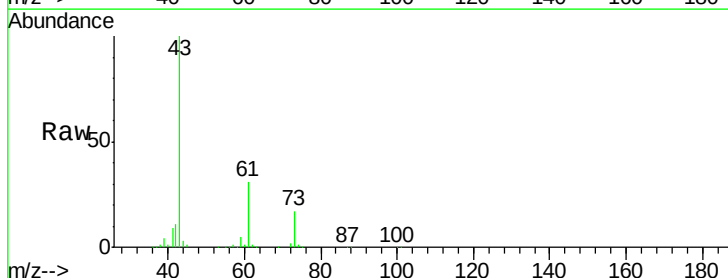


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

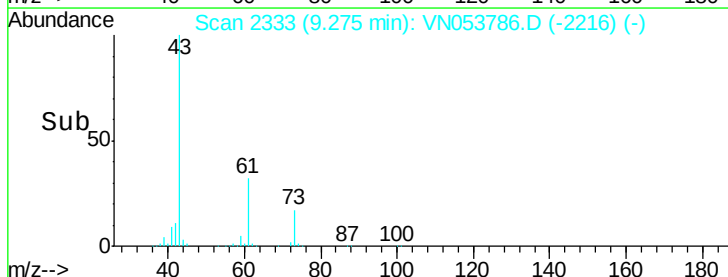
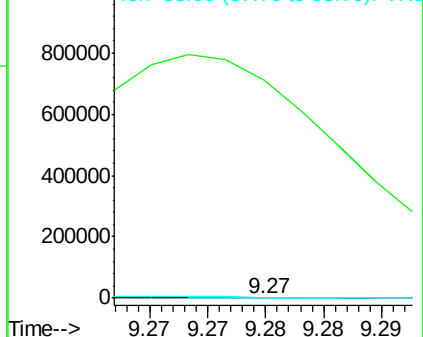


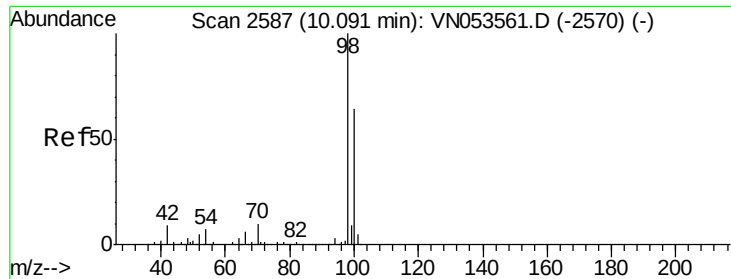
#49
1,4-Dioxane
Concen: 39.444 ug/l
RT: 9.27 min Scan# 2333
Delta R.T. 0.07 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 5472226.7 27.8 41.6#
58 27630.0 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

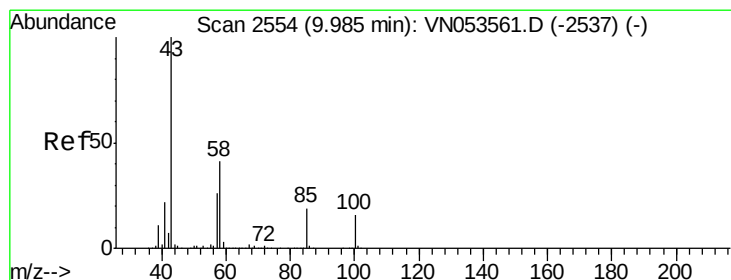
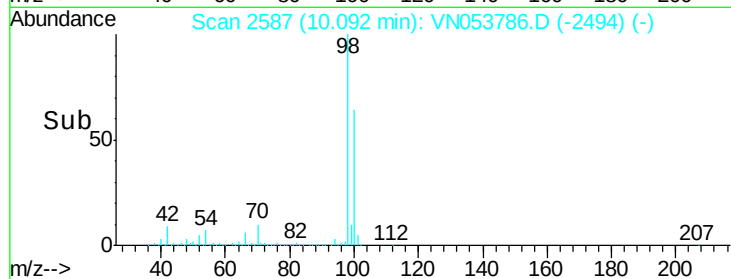
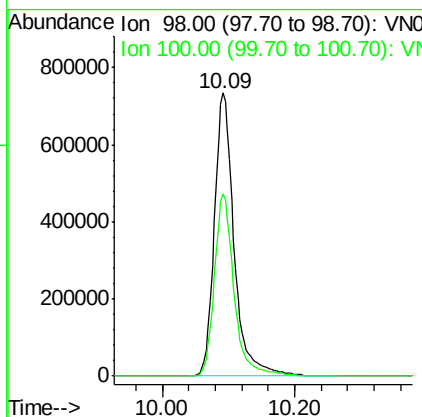
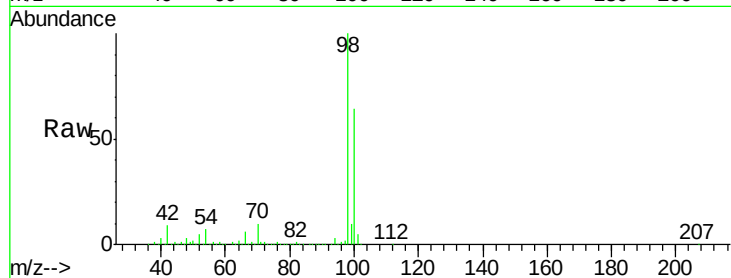




#50
Toluene-d8
Concen: 51.500 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

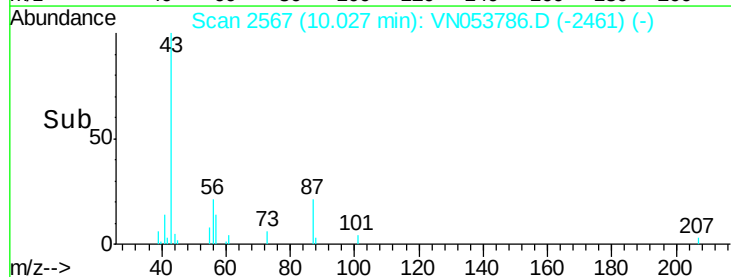
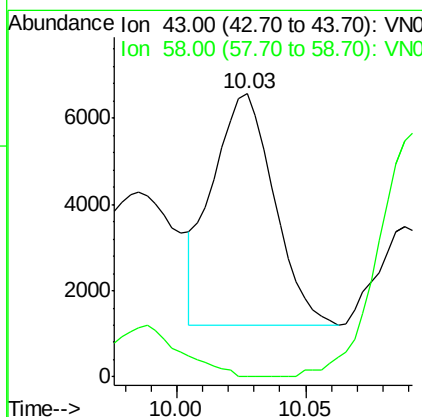
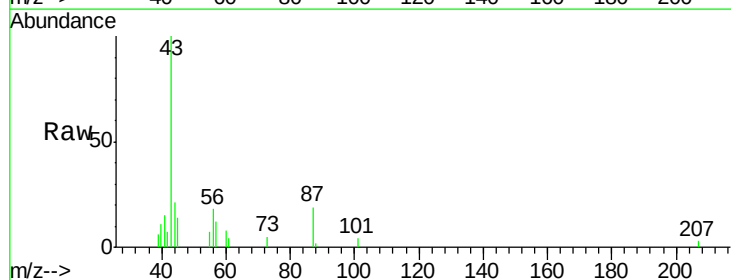
Instrument :
MSVOA_N
ClientSampled :

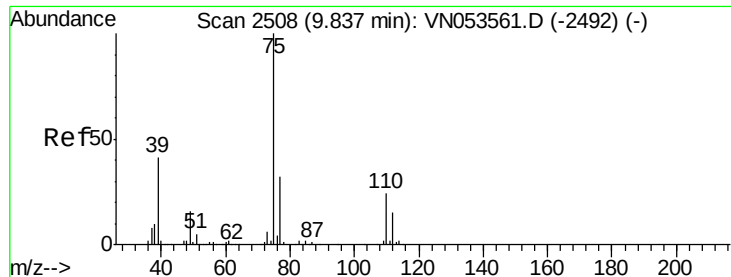
Tot Ion: 98 Resp: 1513785
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.510 ug/l
RT: 10.03 min Scan# 2567
Delta R.T. 0.04 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion: 43 Resp: 8938
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#



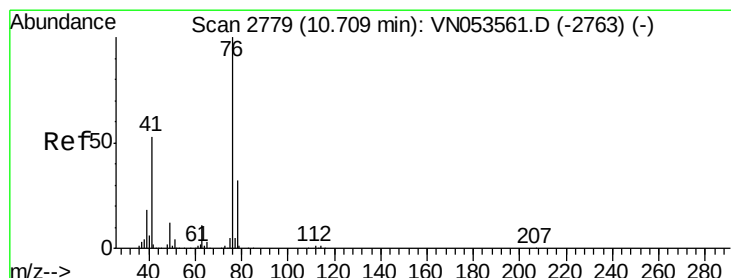
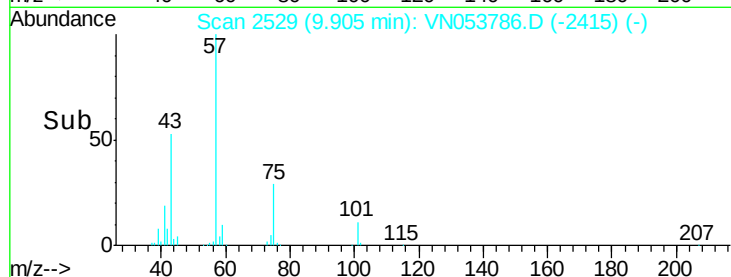
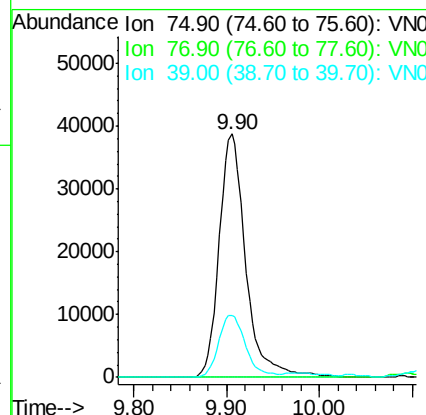
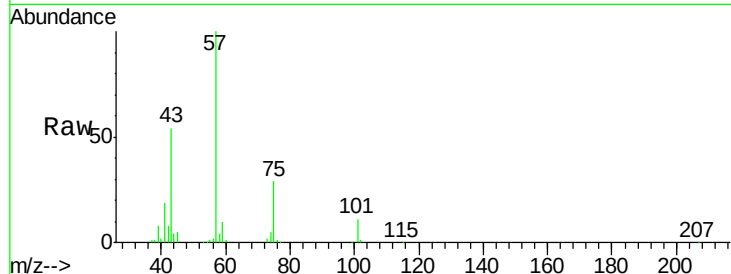


#54

cis-1,3-Dichloropropene
 Concen: 5.892 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053786.D
 Acq: 14 Feb 2019 18:16

Instrument :
 MSVOA_N
 ClientSampled :

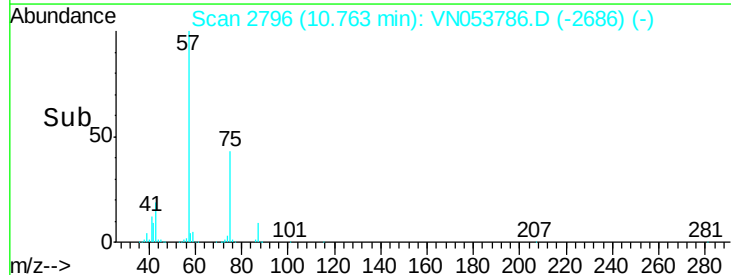
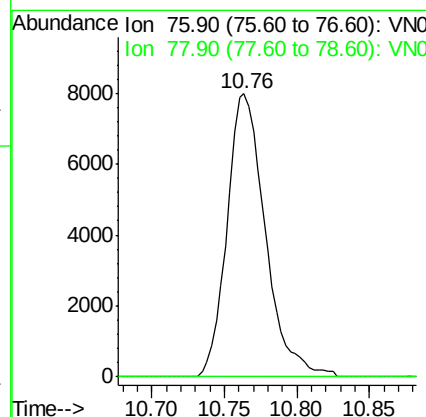
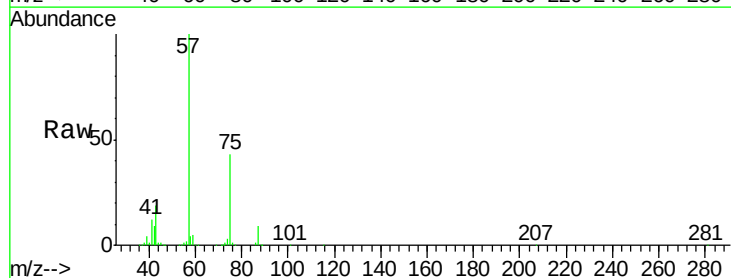
Tot Ion: 75 Resp: 77195
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.6#
 39 25.6 33.4 50.0#

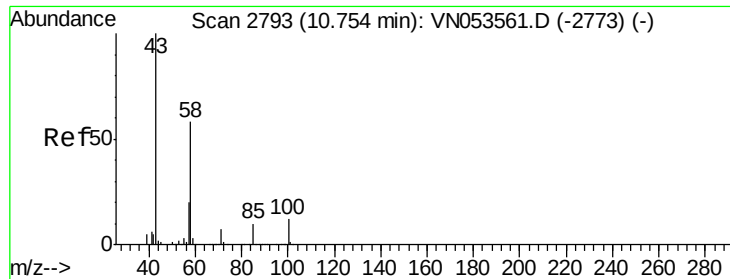


#57

1,3-Dichloropropane
 Concen: 1.163 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053786.D
 Acq: 14 Feb 2019 18:16

Tgt Ion: 76 Resp: 14636
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

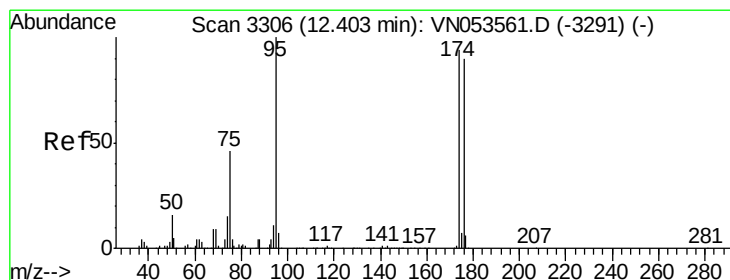
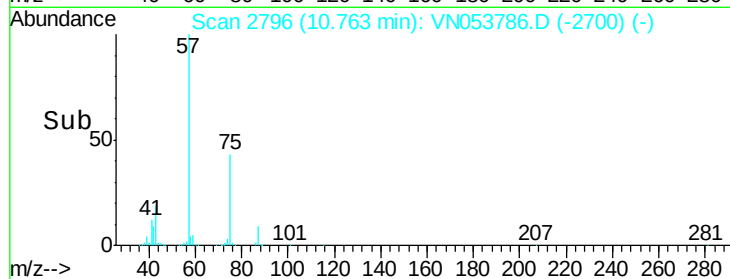
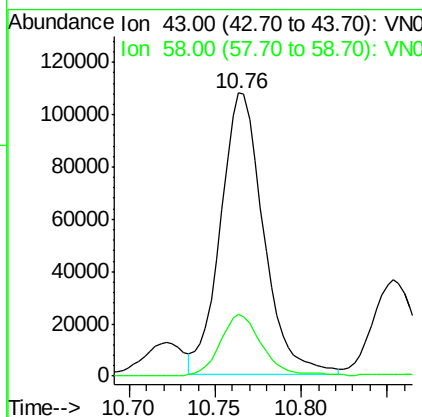
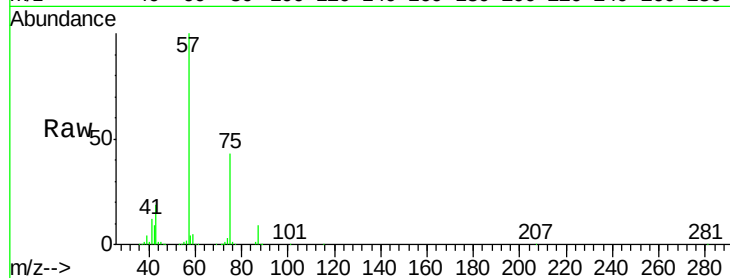




#59
2-Hexanone
Concen: 47.011 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

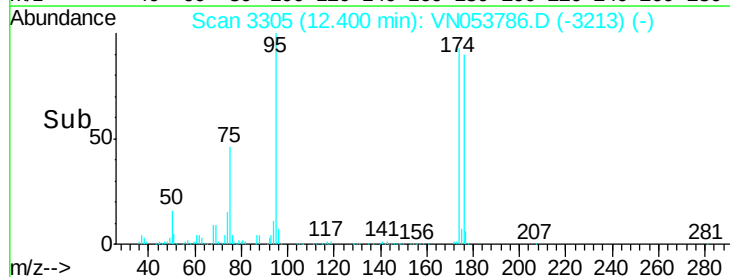
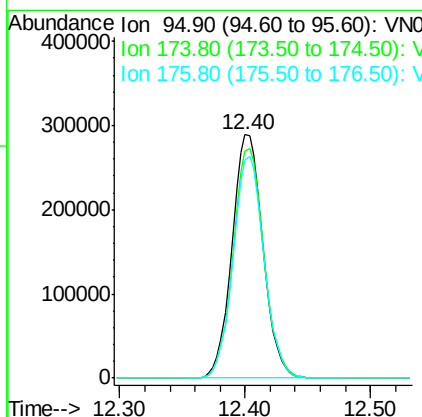
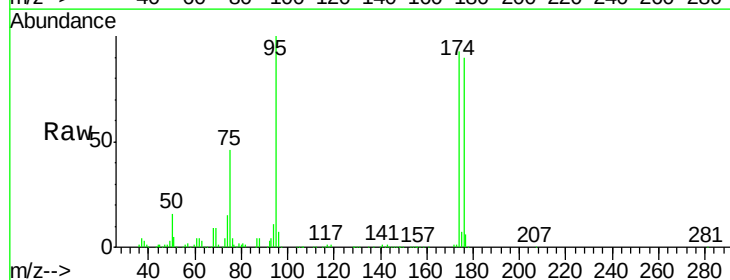
Instrument :
MSVOA_N
ClientSampleId :

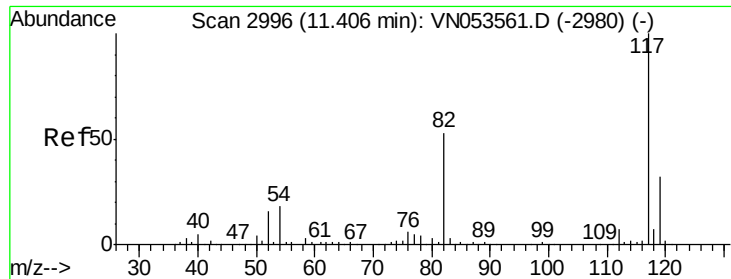
Tot Ion: 43 Resp: 188910
Ion Ratio Lower Upper
43 100
58 21.6 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 50.366 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion: 95 Resp: 493760
Ion Ratio Lower Upper
95 100
174 94.6 0.0 183.2
176 91.1 0.0 177.4

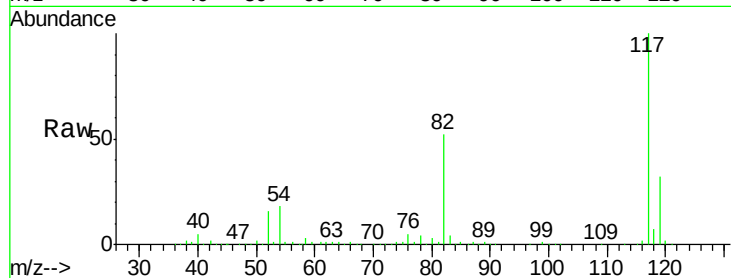




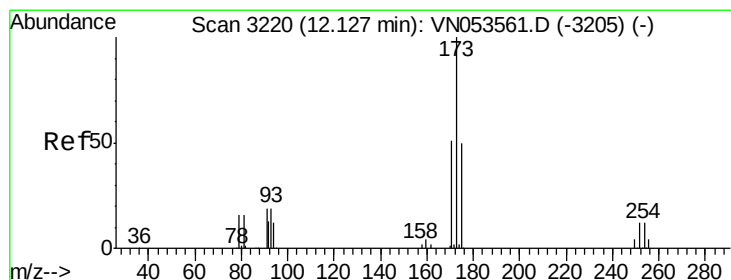
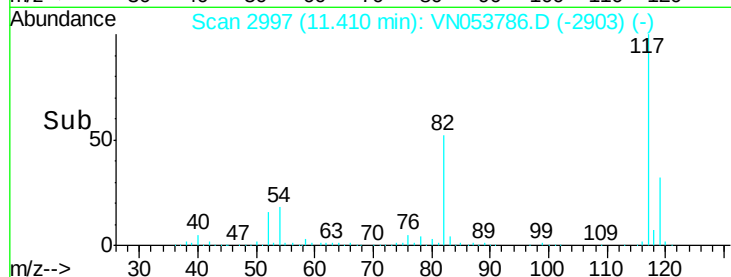
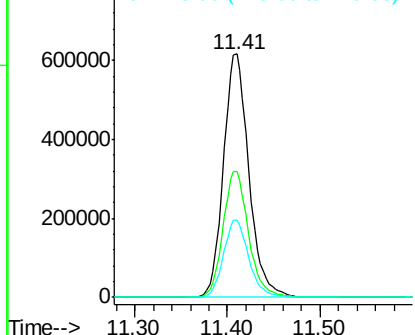
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1166990
Ion Ratio Lower Upper
117 100
82 51.7 42.9 64.3
119 31.8 26.0 39.0

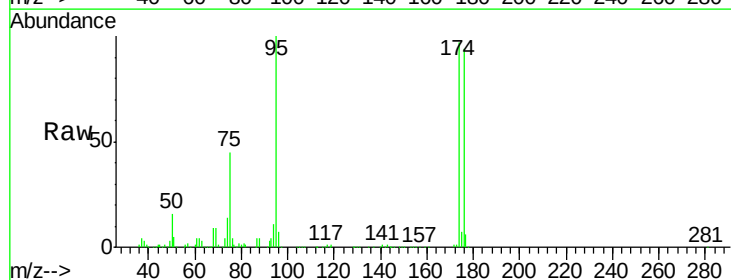


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

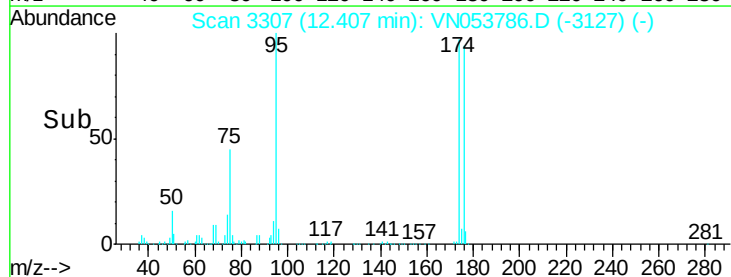
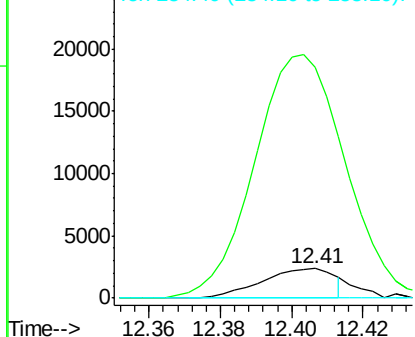


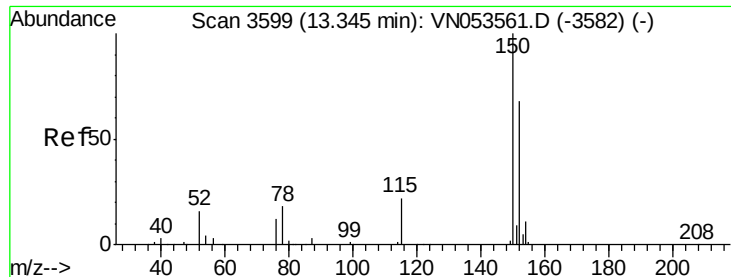
#71
Bromoform
Concen: 0.566 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion:173 Resp: 3360
Ion Ratio Lower Upper
173 100
175 874.0 24.6 74.0#
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



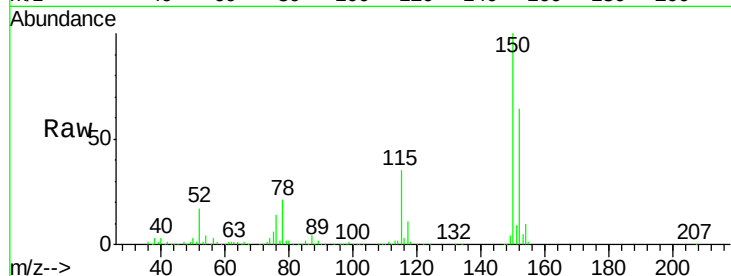


#72

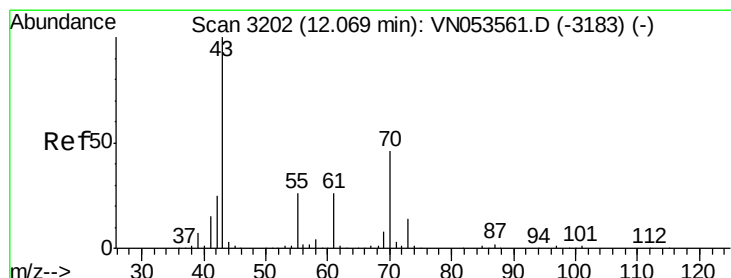
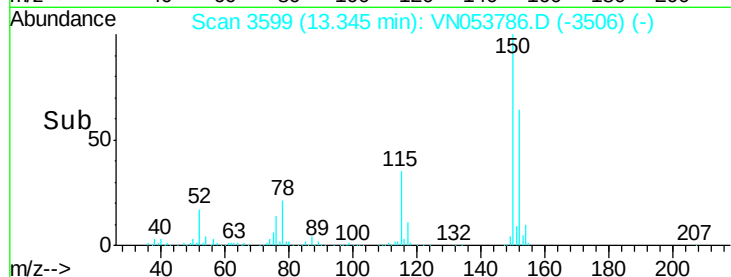
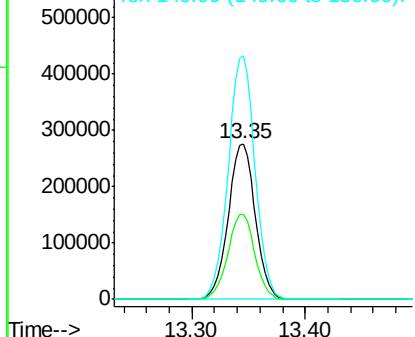
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 456955
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.4
150 155.9 0.0 349.0



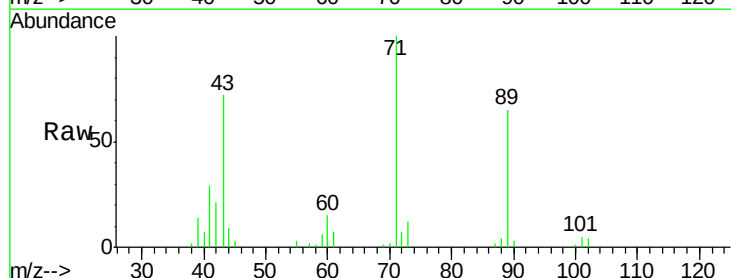
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



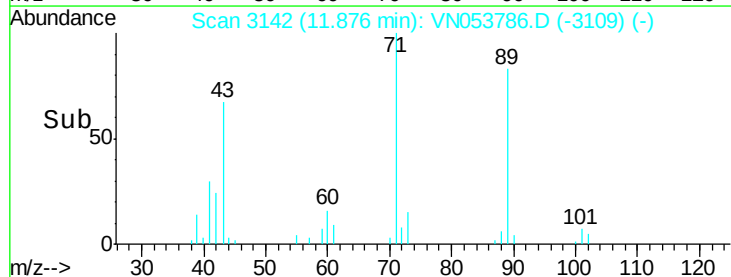
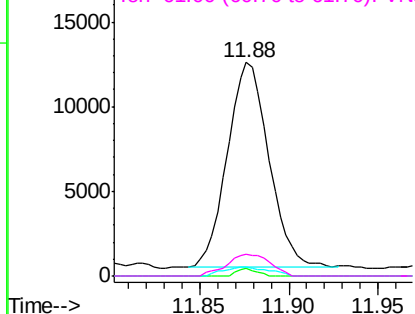
#74

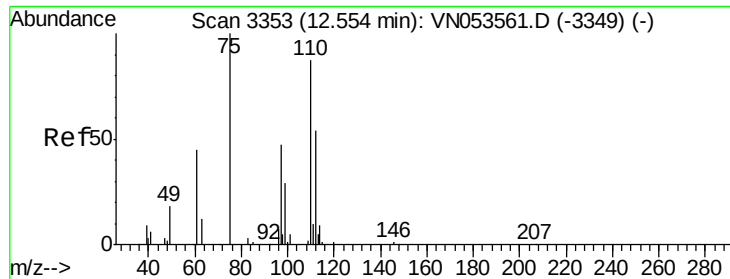
N-ethyl acetate
Concen: 2.522 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053786.D
Acq: 14 Feb 2019 18:16

Tgt Ion: 43 Resp: 19480
Ion Ratio Lower Upper
43 100
70 1.8 35.4 53.2#
55 5.0 20.9 31.3#
61 11.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 38.555 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053786.D

Acq: 14 Feb 2019 18:16

Instrument :

MSVOA_N

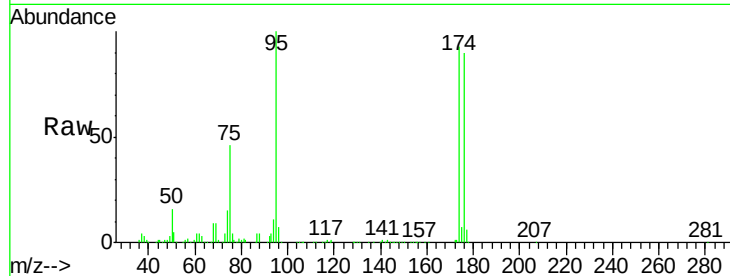
ClientSampleId :

Tot Ion: 75 Resp: 226294

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

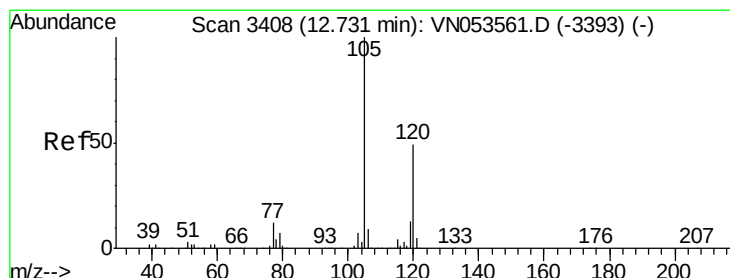
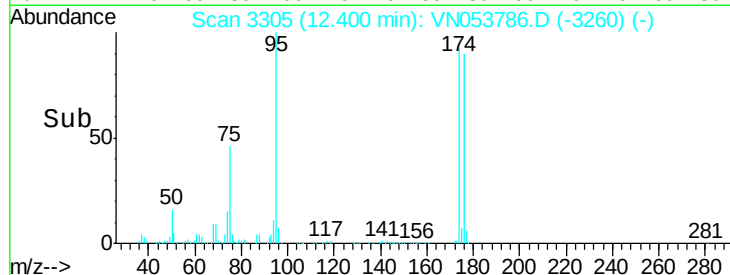
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.425 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053786.D

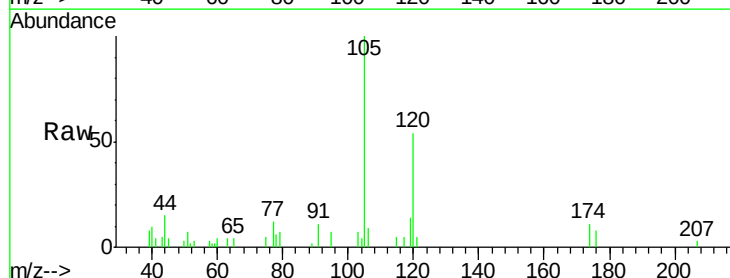
Acq: 14 Feb 2019 18:16

Tgt Ion: 105 Resp: 11330

Ion Ratio Lower Upper

105 100

120 52.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

8000

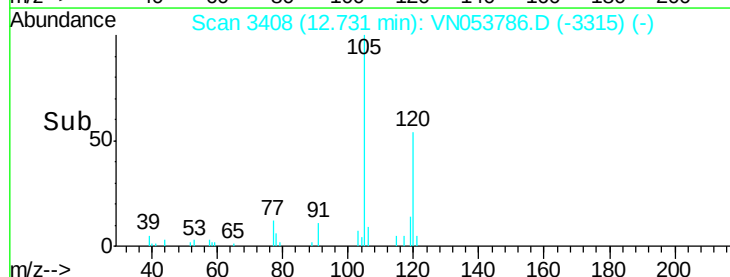
6000

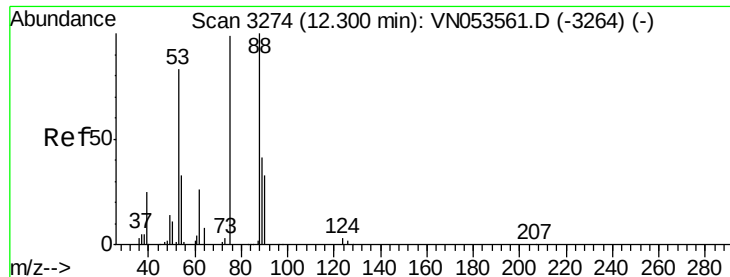
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 108.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053786.D

Acq: 14 Feb 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

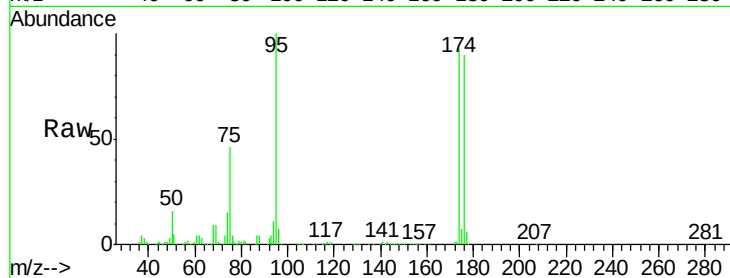
Tot Ion: 75 Resp: 226294

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

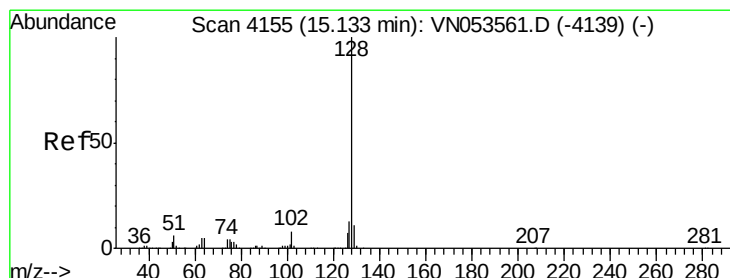
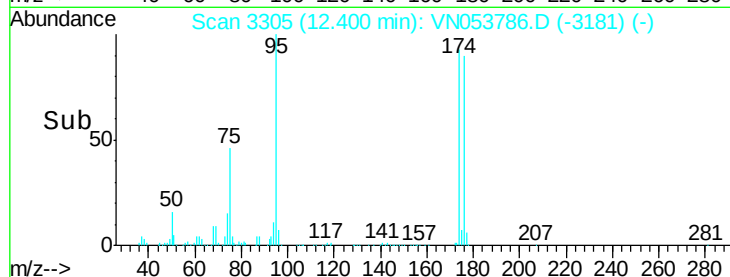
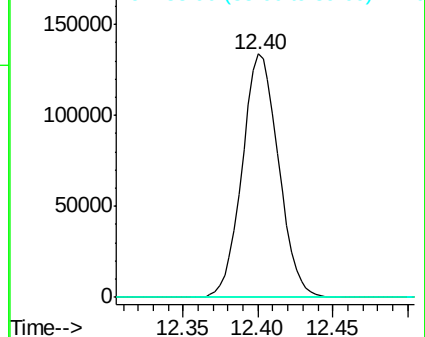
89 0.0 35.6 53.4#



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



#95

Naphthalene

Concen: 1.740 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053786.D

Acq: 14 Feb 2019 18:16

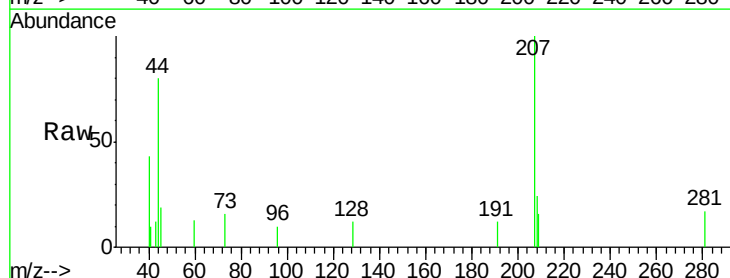
Tgt Ion: 128 Resp: 68

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

