

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053981.D
 Acq On : 27 Feb 2019 21:04
 Operator : JC/SP
 Sample : K1353-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 00:11:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	586375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1138079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	426253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400734	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
35) Dibromofluoromethane	7.59	113	363727	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.09	98	1452215	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.40	95	489632	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

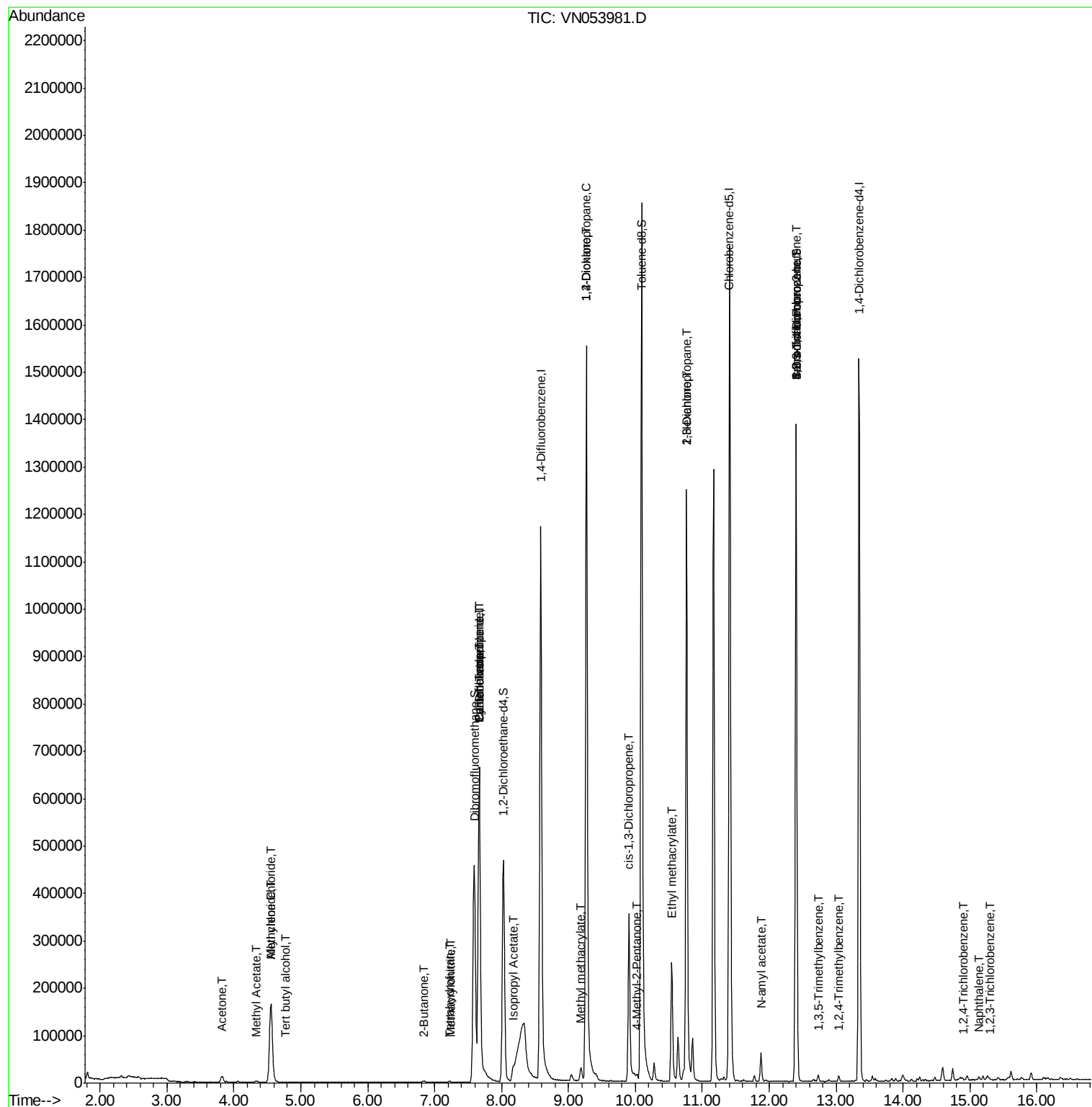
						Qvalue
11) Tert butyl alcohol	4.77	59	107	0.246	ug/l #	73
14) Allyl chloride	4.55	41	5488	0.541	ug/l #	27
16) Acetone	3.81	43	24139	1.165	ug/l	100
18) Methyl Acetate	4.34	43	4350	0.905	ug/l #	59
20) Methylene Chloride	4.55	84	125038	18.380	ug/l	90
25) 2-Butanone	6.85	43	3423	1.268	ug/l	91
29) Tetrahydrofuran	7.22	42	1411	0.785	ug/l #	57
31) Cyclohexane	7.66	56	11152	0.610	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42289	3.996	ug/l #	48
38) Carbon Tetrachloride	7.66	117	54511	4.952	ug/l #	17
41) Methacrylonitrile	7.23	41	1265	0.260	ug/l #	100
43) Isopropyl Acetate	8.17	43	31855	2.497	ug/l #	91
45) 1,2-Dichloropropane	9.27	63	2029	0.231	ug/l #	44
48) Methyl methacrylate	9.18	41	12493	2.129	ug/l #	21
49) 1,4-Dioxane	9.26	88	60	0.755	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9563	1.458	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	66075	5.367	ug/l #	70
56) Ethyl methacrylate	10.54	69	1146	2.072	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	13308	1.102	ug/l #	43
59) 2-Hexanone	10.76	43	195957	45.952	ug/l #	48
71) Bromoform	12.40	173	3500	0.597	ug/l #	1
74) N-amyl acetate	11.88	43	20042	2.305	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	237775	34.773	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6149	0.226	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	237775	109.905	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	7550	0.278	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	255	2.254	ug/l #	1
95) Naphthalene	15.14	128	6617	3.579	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	87	1.569	ug/l #	72

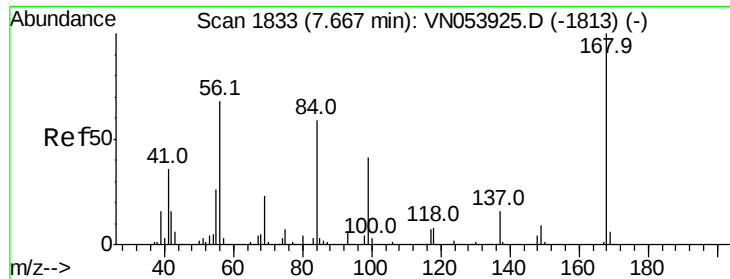
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 26 05:37:40 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: VN053981.D

Acq: 27 Feb 2019 21:04

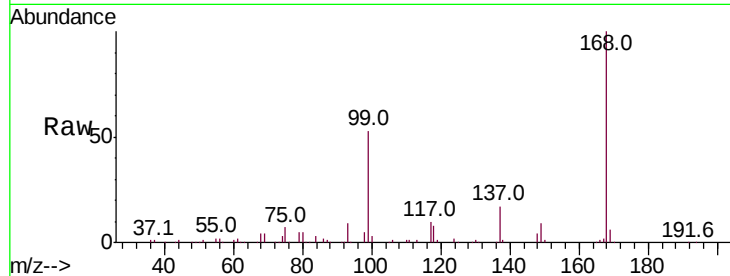
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 586375

Ion Ratio Lower Upper

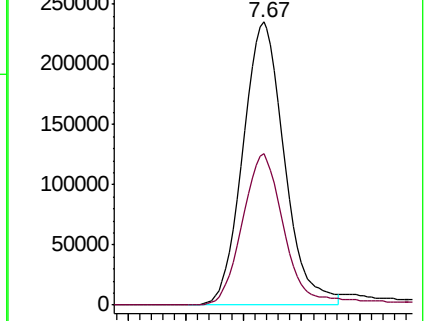
168 100

99 53.4 36.9 55.3

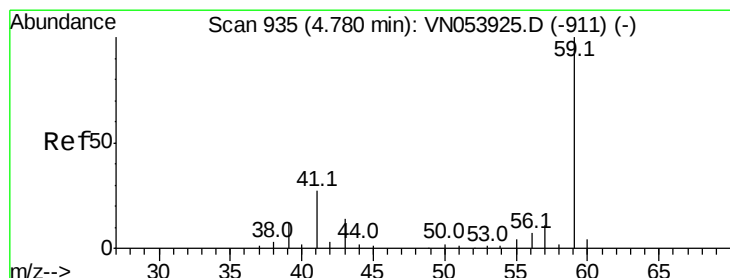
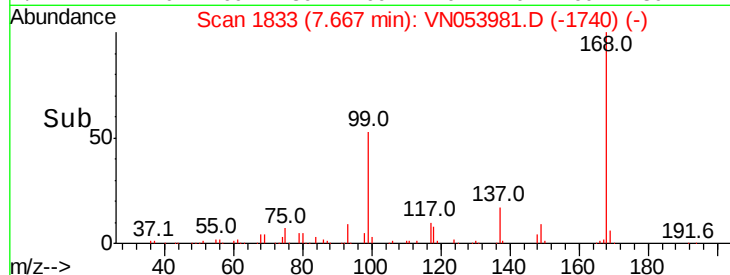


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



Time-->



#11

Tert butyl alcohol

Concen: 0.246 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.01 min

Lab File: VN053981.D

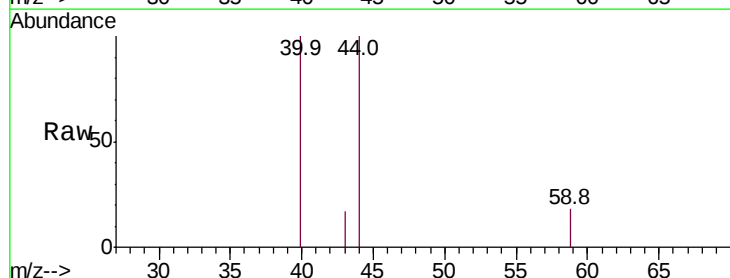
Acq: 27 Feb 2019 21:04

Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

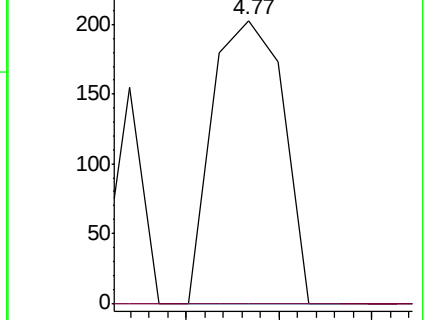
59 100

57 0.0 8.1 12.1#

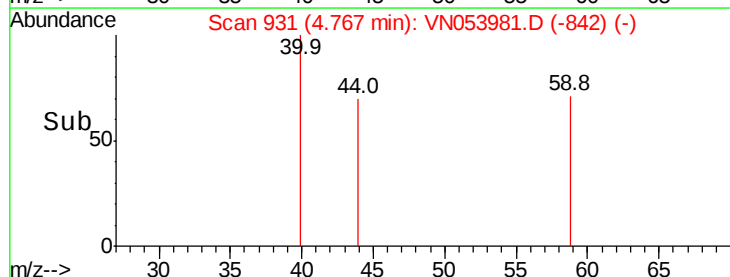


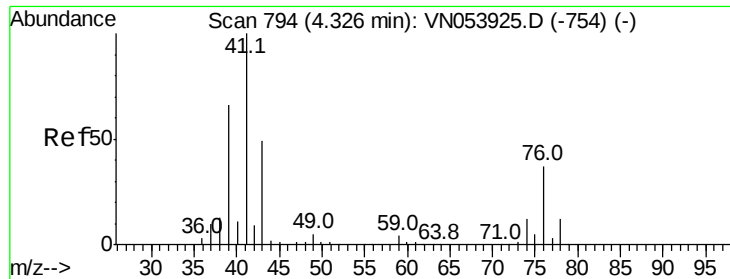
Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN



Time-->

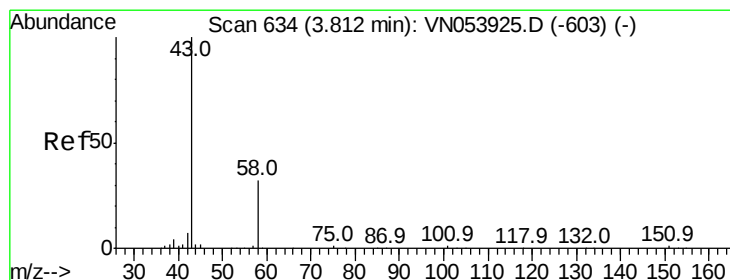
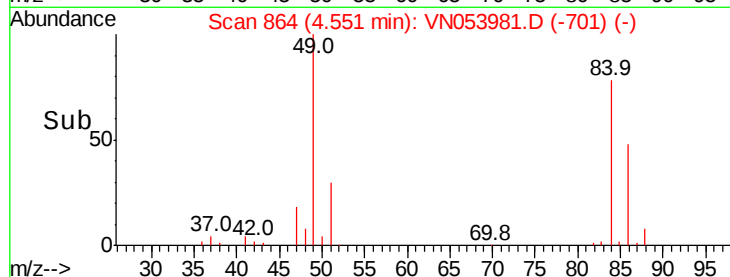
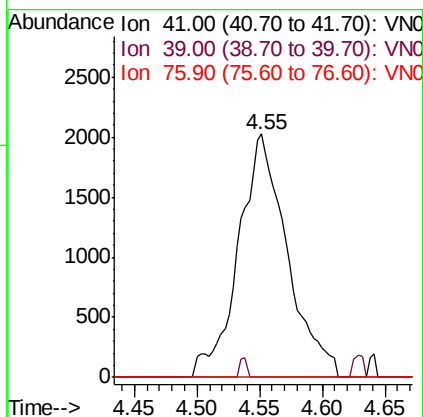
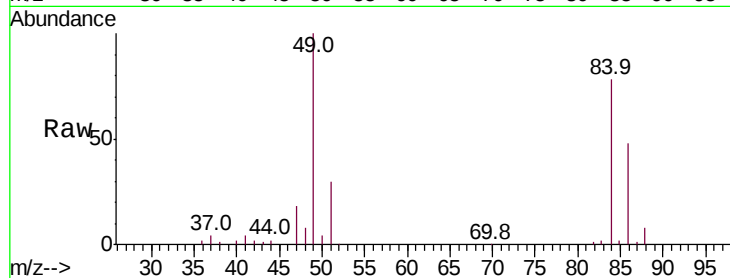




#14
Allvl chloride
Concen: 0.541 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.23 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

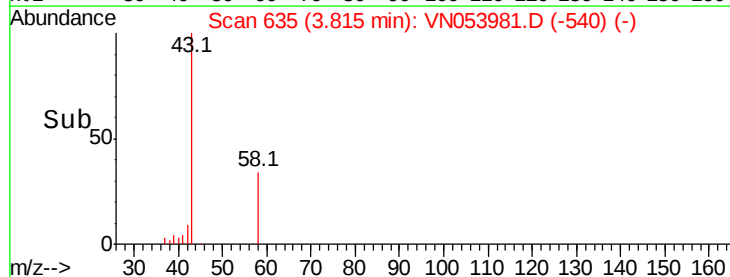
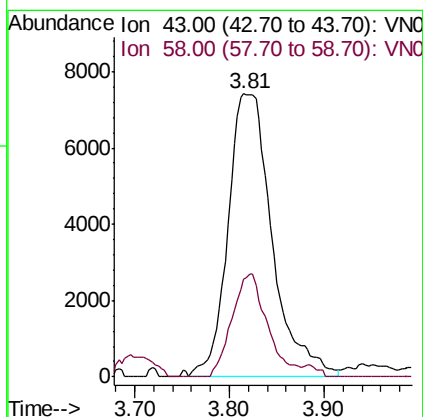
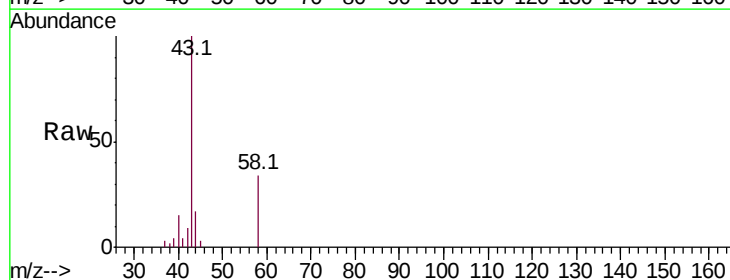
Instrument :
MSVOA_N
ClientSampled :

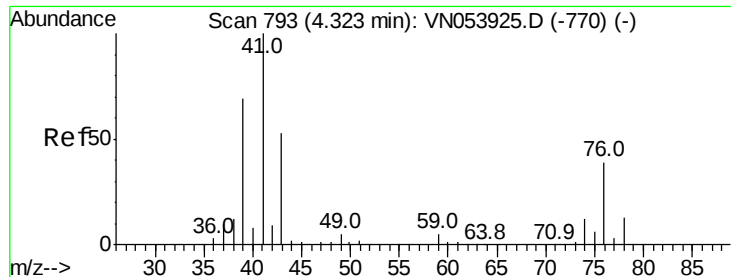
Tot Ion: 41 Resp: 5488
Ion Ratio Lower Upper
41 100
39 1.1 48.8 73.2#
76 0.0 30.9 46.3#



#16
Acetone
Concen: 1.165 ug/l
RT: 3.81 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

Tgt Ion: 43 Resp: 24139
Ion Ratio Lower Upper
43 100
58 34.3 27.6 41.4

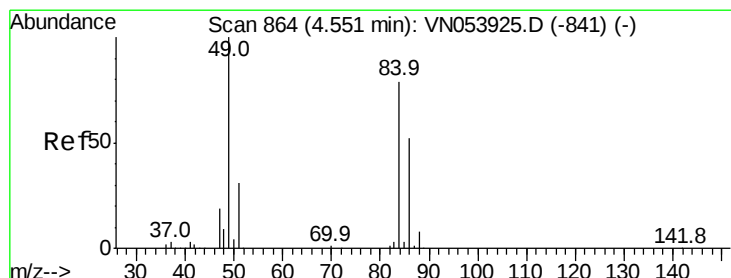
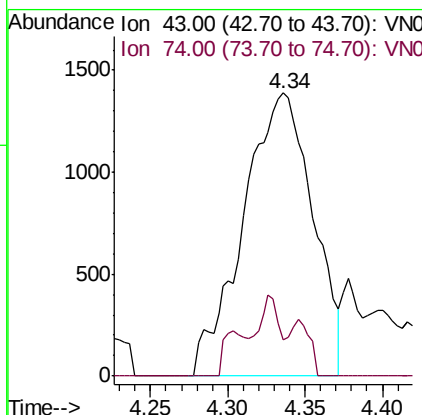
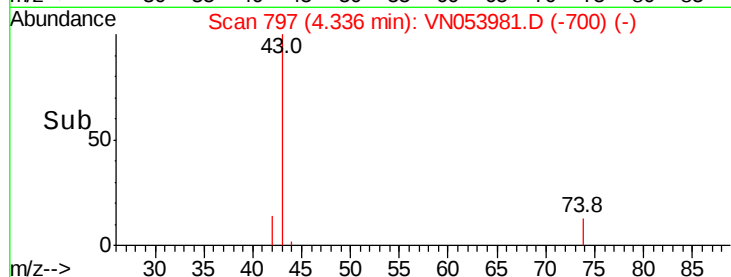
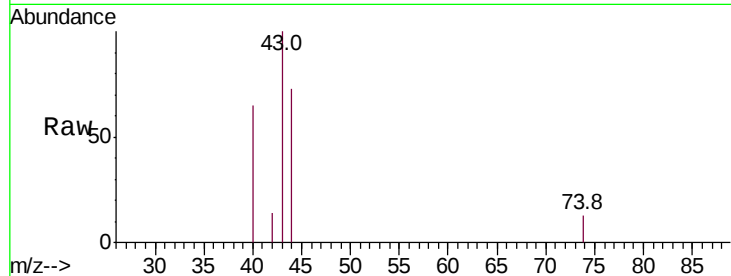




#18
Methyl Acetate
Concen: 0.905 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

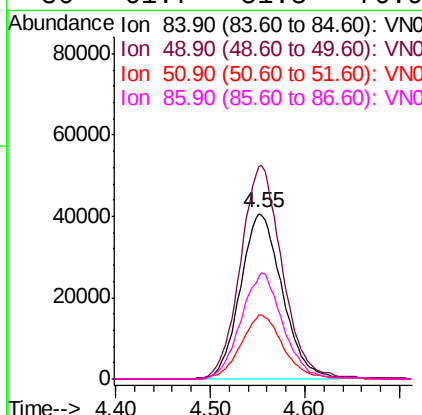
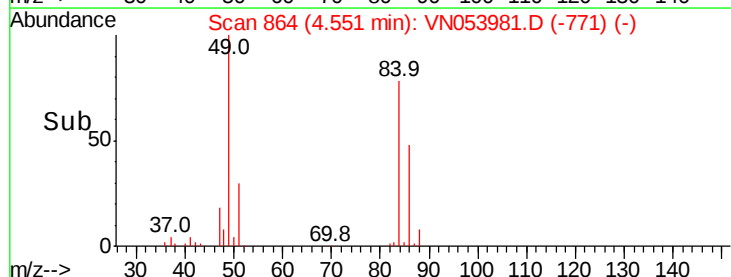
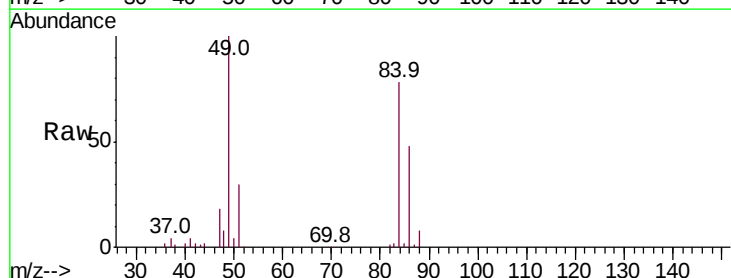
Instrument :
MSVOA_N
ClientSampled :

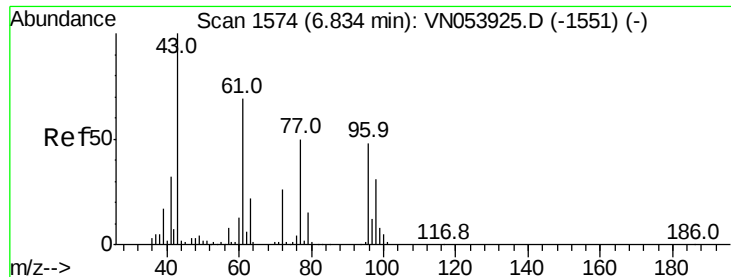
Tot Ion: 43 Resp: 4350
Ion Ratio Lower Upper
43 100
74 5.1 20.5 30.7#



#20
Methylene Chloride
Concen: 18.380 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

Tgt Ion: 84 Resp: 125038
Ion Ratio Lower Upper
84 100
49 128.6 89.7 134.5
51 38.5 27.8 41.8
86 61.7 51.3 76.9

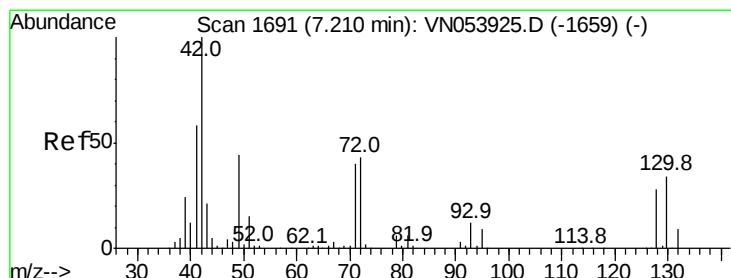
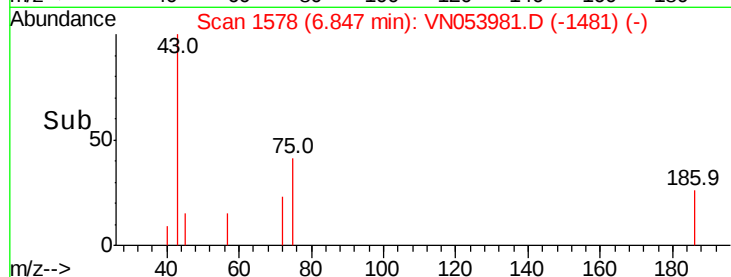
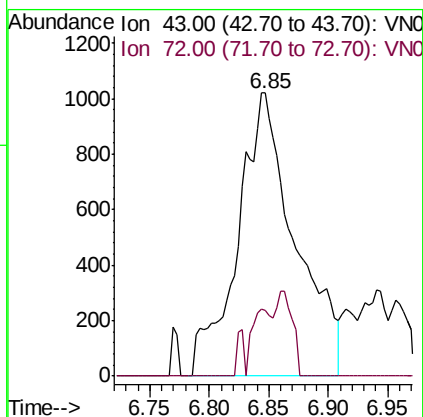
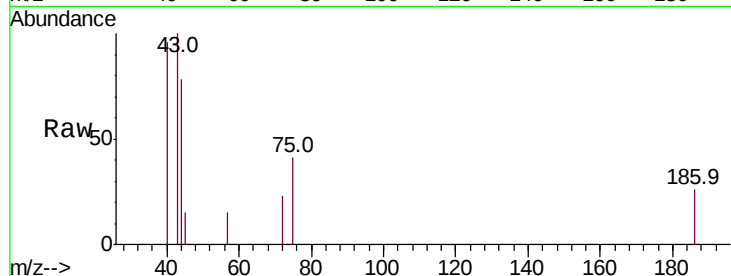




#25
2-Butanone
Concen: 1.268 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

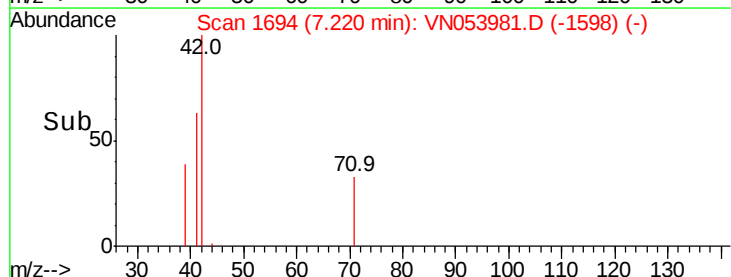
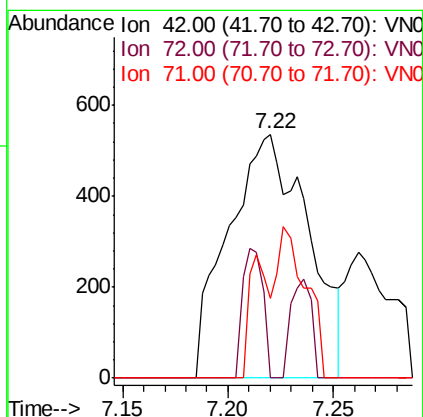
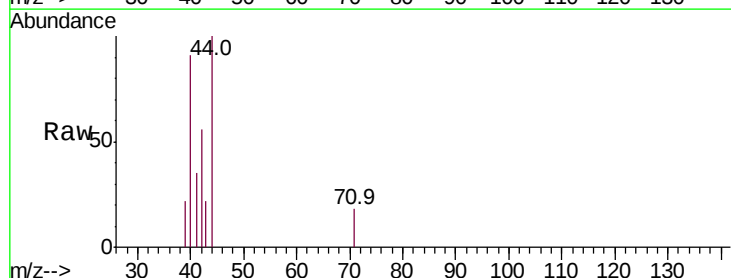
Instrument :
MSVOA_N
ClientSampleId :

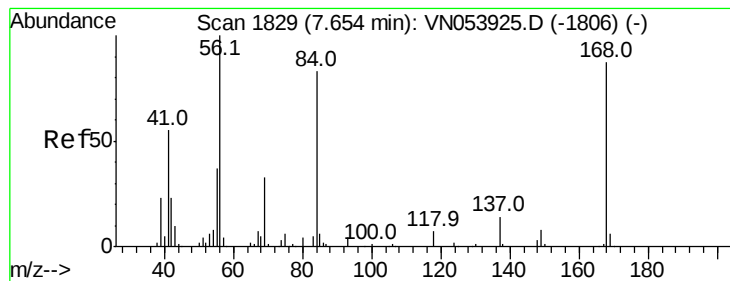
Tot Ion: 43 Resp: 3423
Ion Ratio Lower Upper
43 100
72 23.0 22.1 33.1



#29
Tetrahydrofuran
Concen: 0.785 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

Tgt Ion: 42 Resp: 1411
Ion Ratio Lower Upper
42 100
72 10.3 36.9 55.3#
71 22.7 34.6 52.0#





#31

Cyclohexane

Concen: 0.610 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :
MSVOA_N
ClientSampled :

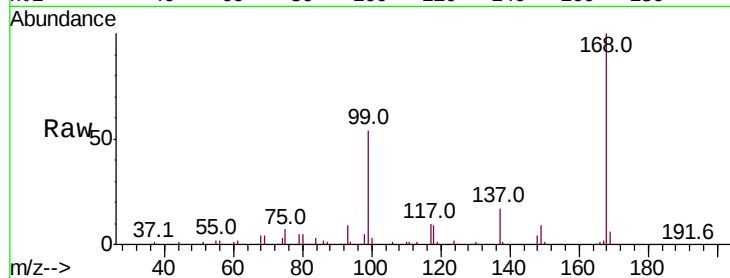
Tot Ion: 56 Resp: 11152

Ion Ratio Lower Upper

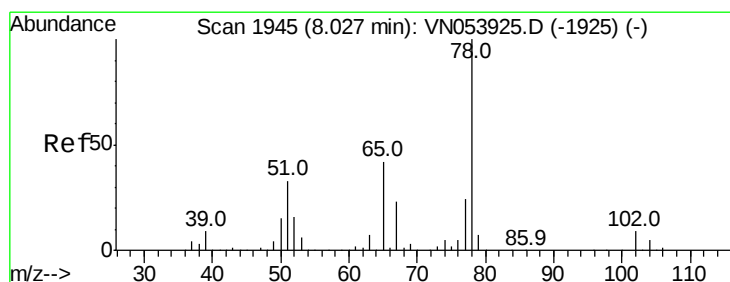
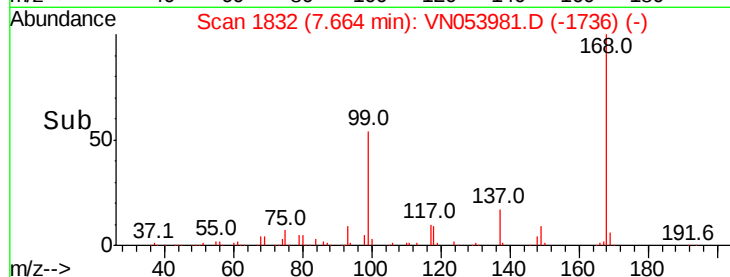
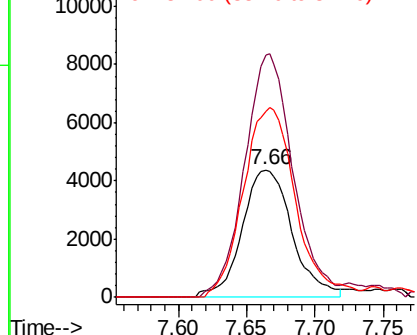
56 100

69 189.7 26.0 39.0#

84 145.1 69.1 103.7#



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



#33

1,2-Dichloroethane-d4

Concen: 58.300 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053981.D

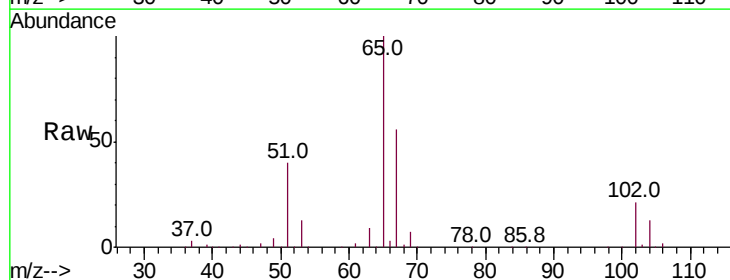
Acq: 27 Feb 2019 21:04

Tgt Ion: 65 Resp: 400734

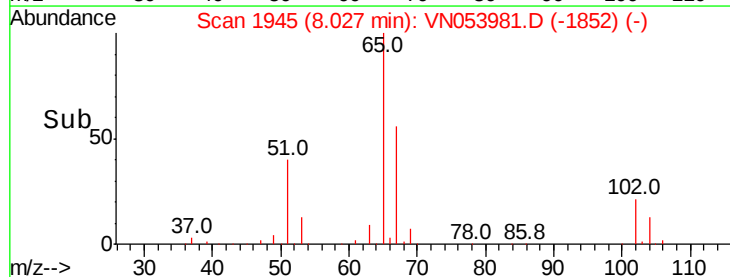
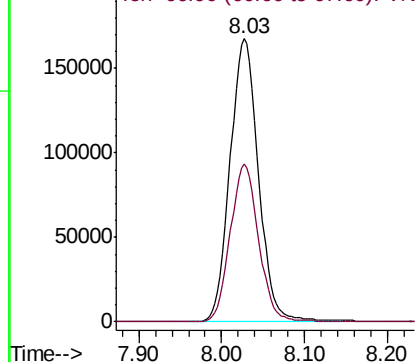
Ion Ratio Lower Upper

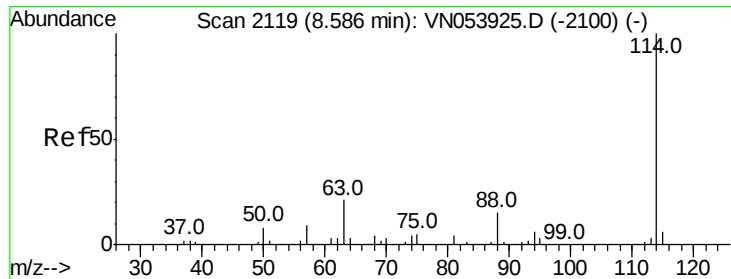
65 100

67 55.4 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



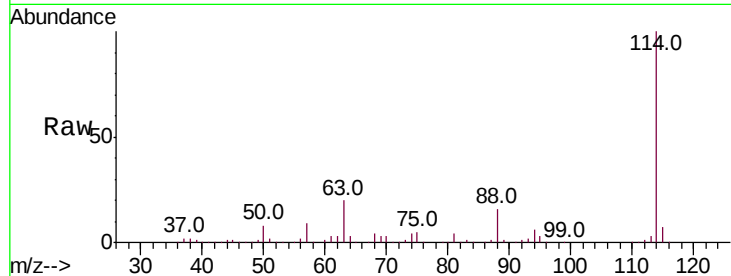


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

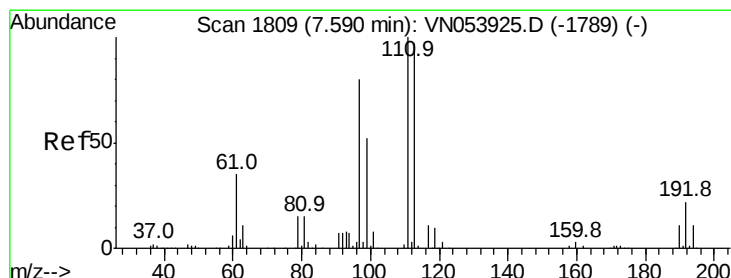
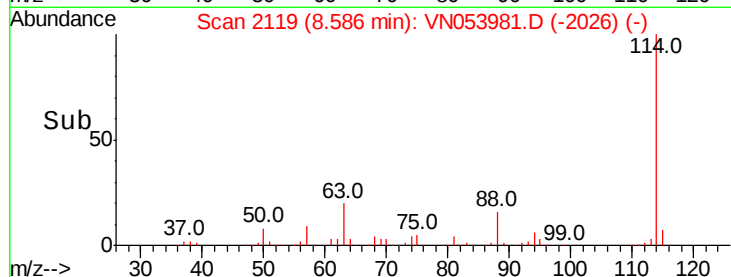
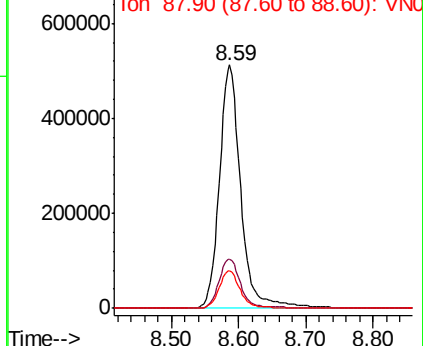
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1138079

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	37.4
88	15.6	0.0	30.4



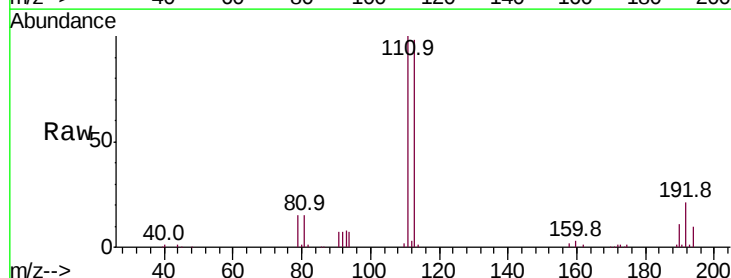
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



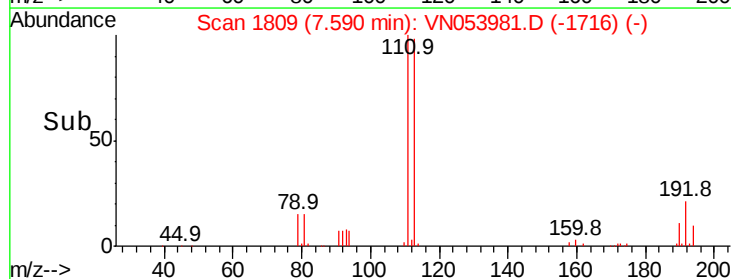
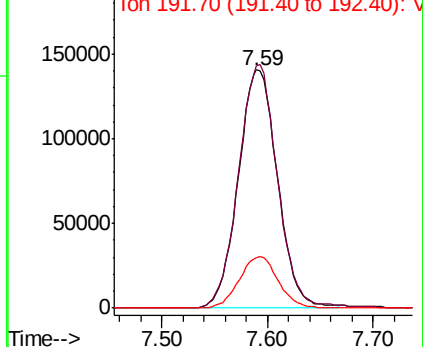
#35
 Dibromofluoromethane
 Concen: 49.423 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

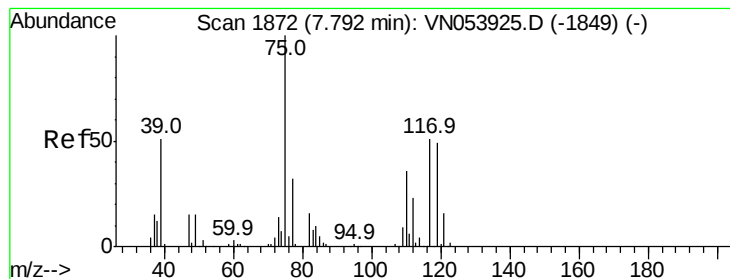
Tgt Ion:113 Resp: 363727

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	21.4	18.8	28.2



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: 3.996 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampled :

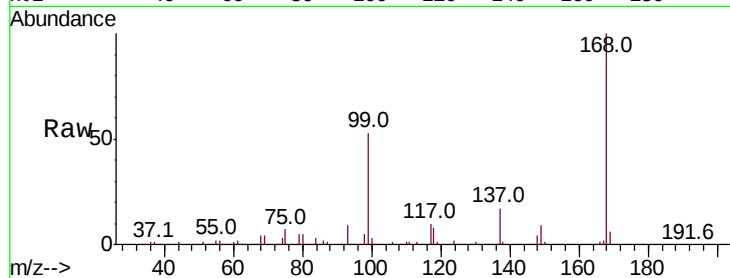
Tot Ion: 75 Resp: 42289

Ion Ratio Lower Upper

75 100

110 8.8 19.0 57.0#

77 0.0 25.4 38.0#



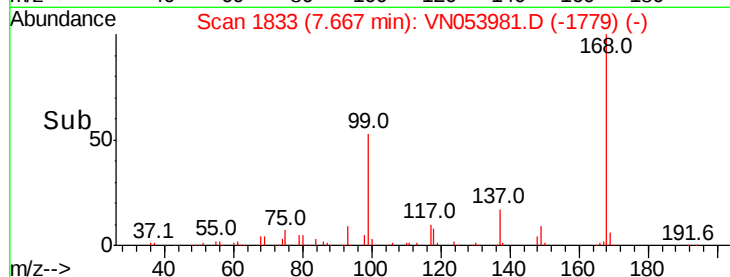
Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053925.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053925.D (-1849) (-)

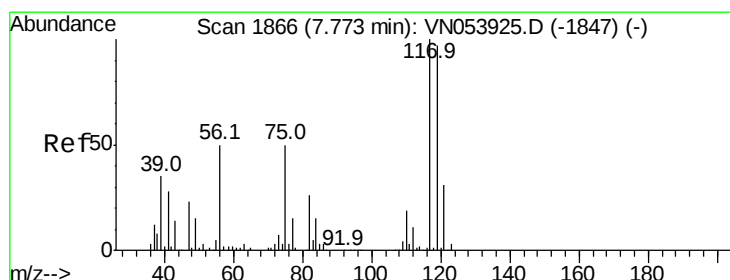
7.67

Time-->



7.67

Time-->



#38

Carbon Tetrachloride

Concen: 4.952 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

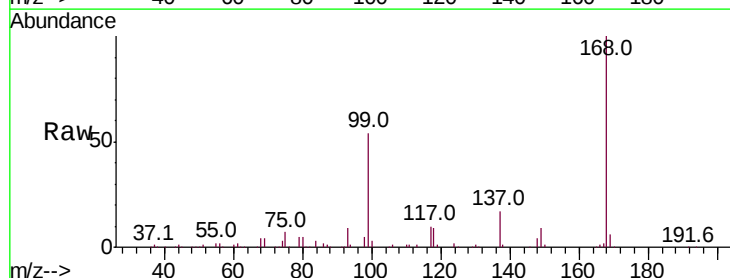
Tgt Ion: 117 Resp: 54511

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

121 0.0 24.6 36.8#



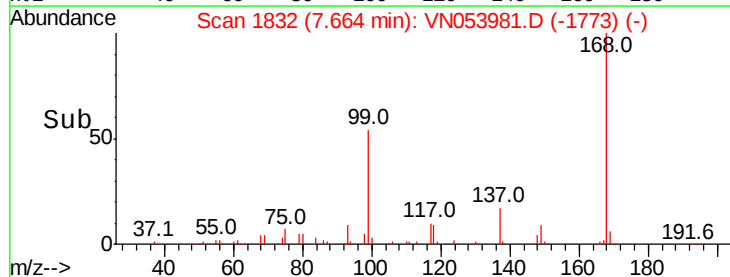
Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-1847) (-)

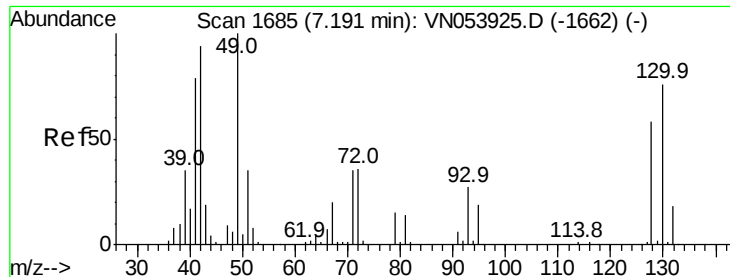
Ion 118.80 (118.50 to 119.50): VN053925.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053925.D (-1847) (-)

7.66

Time-->





#41

Methacrylonitrile

Concen: 0.260 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.04 min

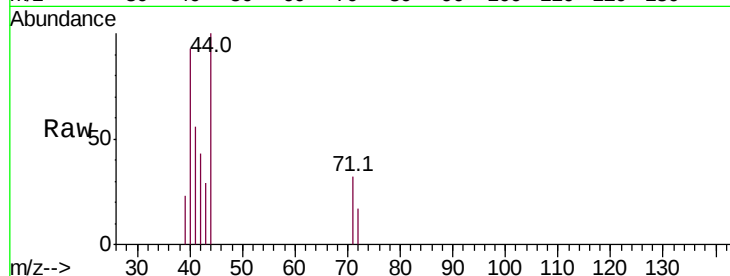
Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

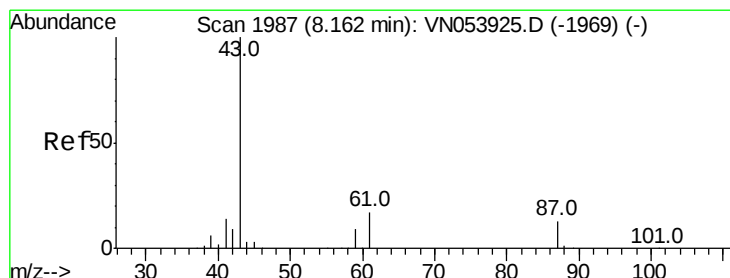
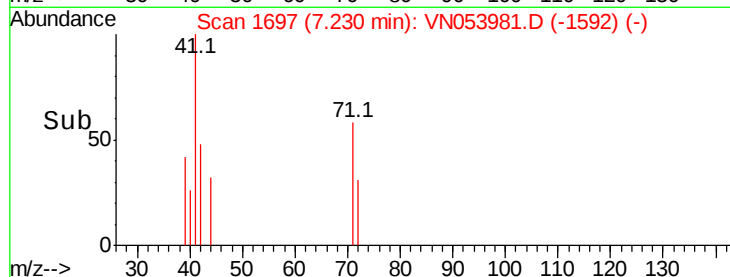
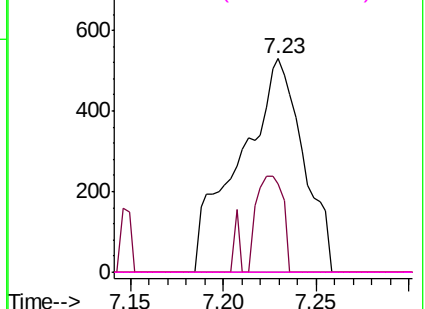
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1265

Ion	Ratio	Lower	Upper
41	100		
39	19.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#43

Isopropyl Acetate

Concen: 2.497 ug/l

RT: 8.17 min Scan# 1989

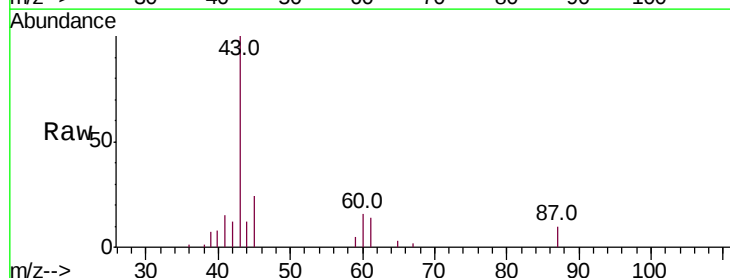
Delta R.T. 0.01 min

Lab File: VN053981.D

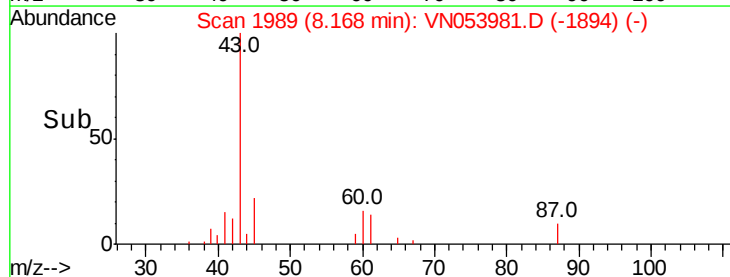
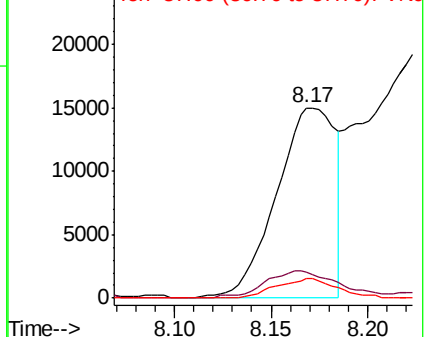
Acq: 27 Feb 2019 21:04

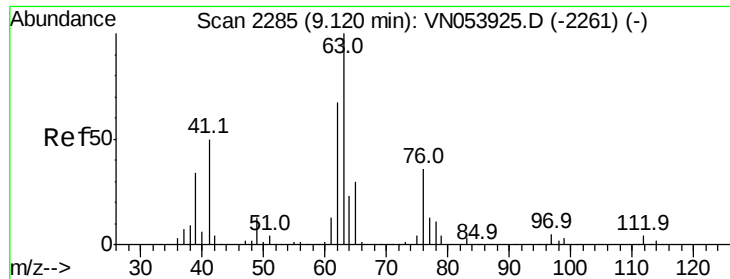
Tgt Ion: 43 Resp: 31855

Ion	Ratio	Lower	Upper
43	100		
61	17.5	17.4	26.0
87	10.4	11.5	17.3#



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

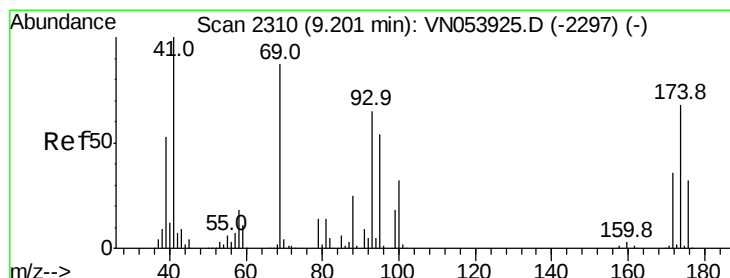
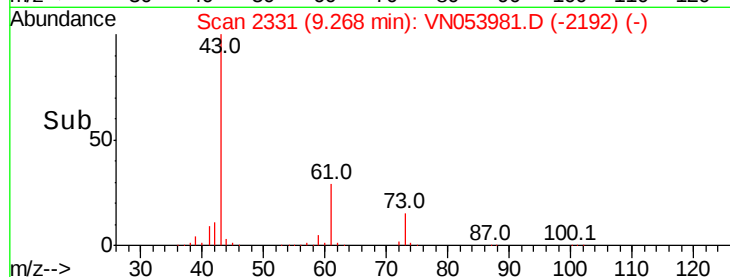
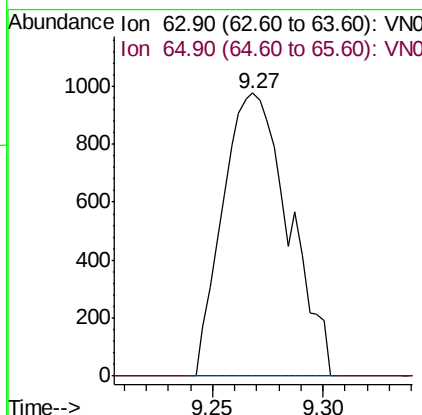
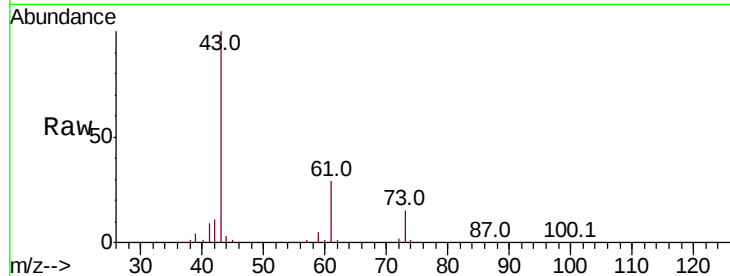




#45
 1,2-Dichloropropane
 Concen: 0.231 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

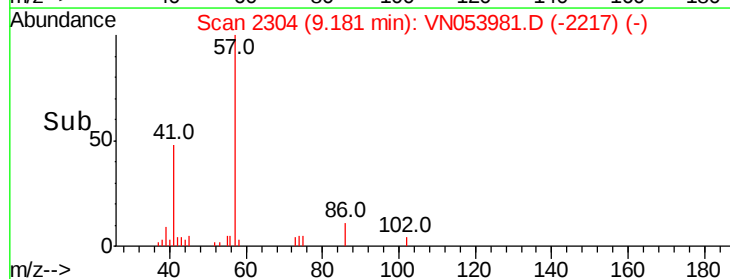
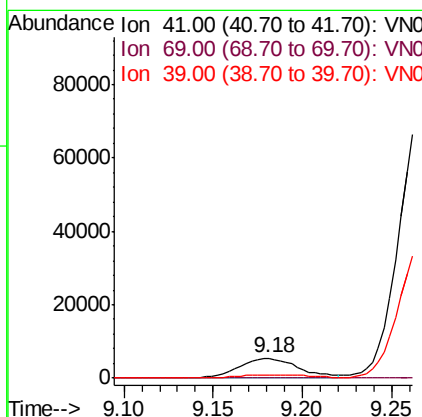
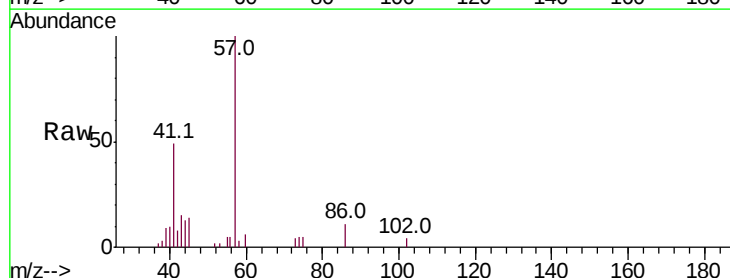
Instrument :
 MSVOA_N
 ClientSampled :

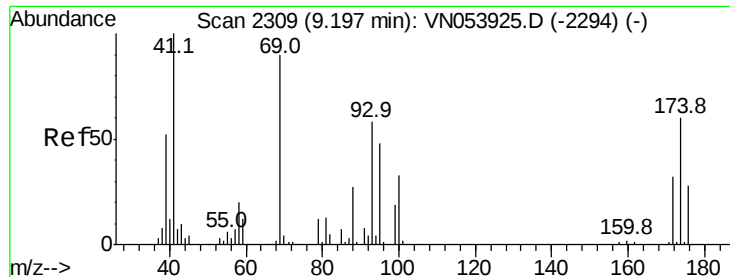
Tot Ion: 63 Resp: 2029
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.3 36.5#



#48
 Methyl methacrylate
 Concen: 2.129 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

Tgt Ion: 41 Resp: 12493
 Ion Ratio Lower Upper
 41 100
 69 0.0 74.8 112.2#
 39 19.1 39.0 58.6#





#49

1,4-Dioxane

Concen: 0.755 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :
MSVOA_N
ClientSampled :

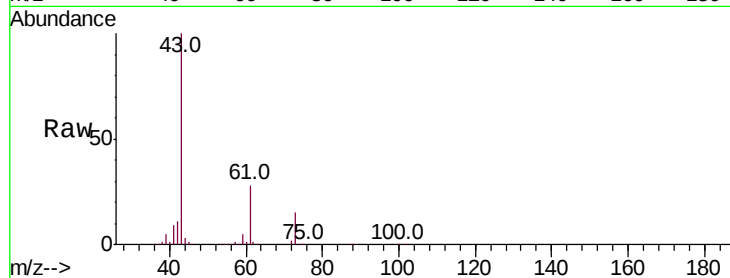
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

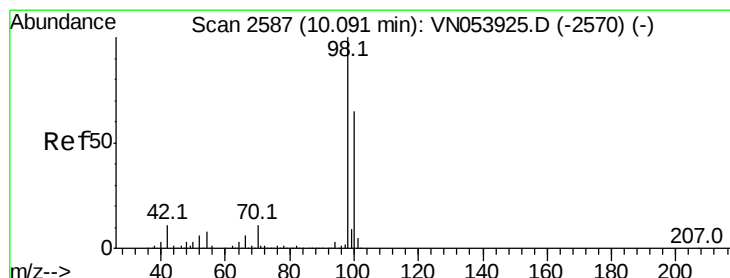
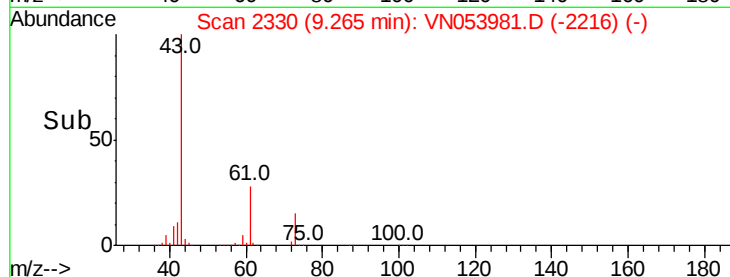
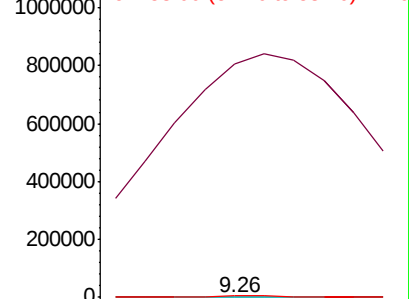
88 100

43 2829790.0 21.2 31.8#

58 13876.7 54.2 81.2#



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



#50

Toluene-d8

Concen: 53.008 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053981.D

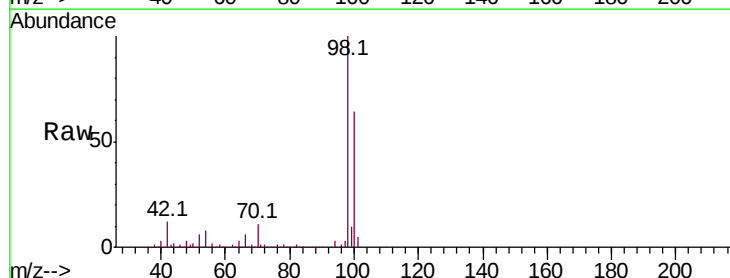
Acq: 27 Feb 2019 21:04

Tgt Ion: 98 Resp: 1452215

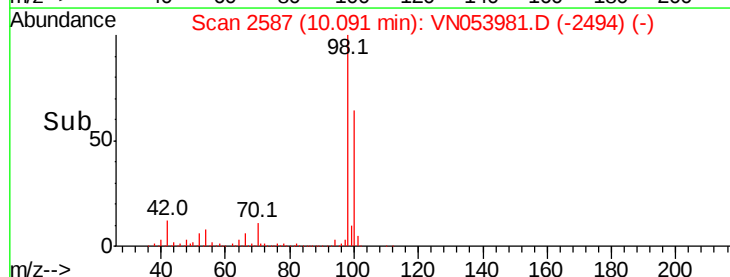
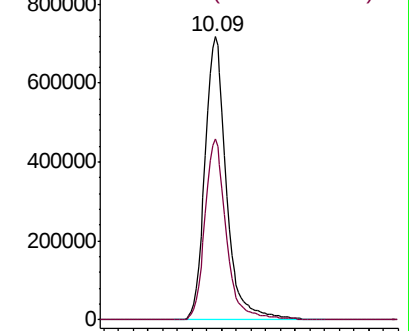
Ion Ratio Lower Upper

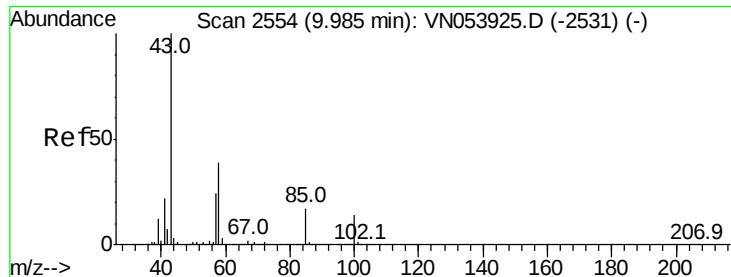
98 100

100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 1.458 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

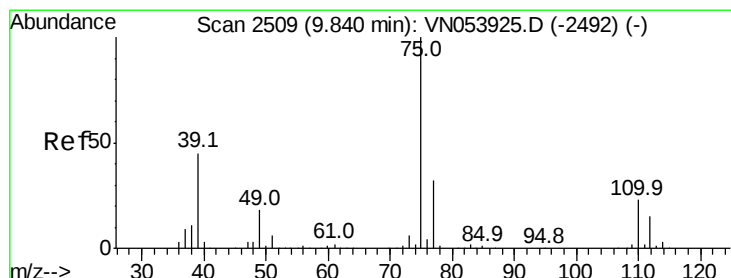
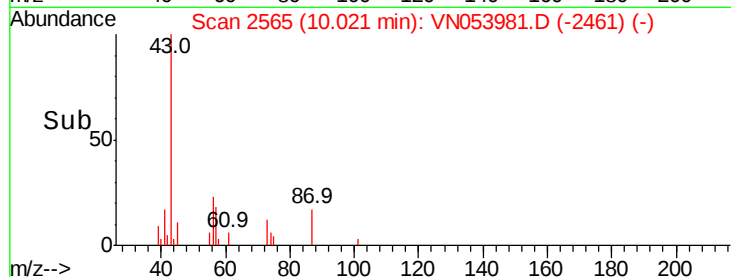
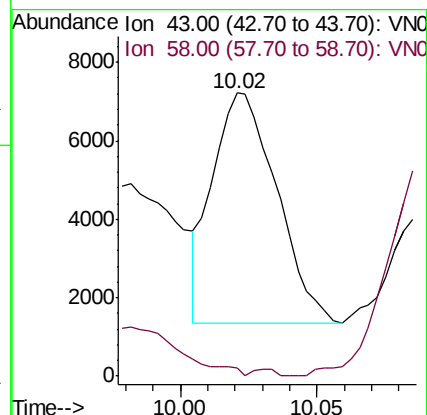
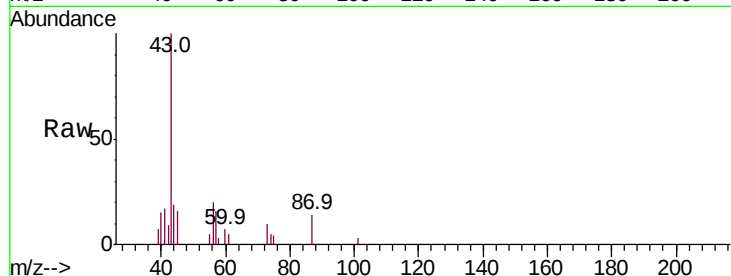
ClientSampleId :

Tot Ion: 43 Resp: 9563

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#



#54

cis-1,3-Dichloropropene

Concen: 5.367 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

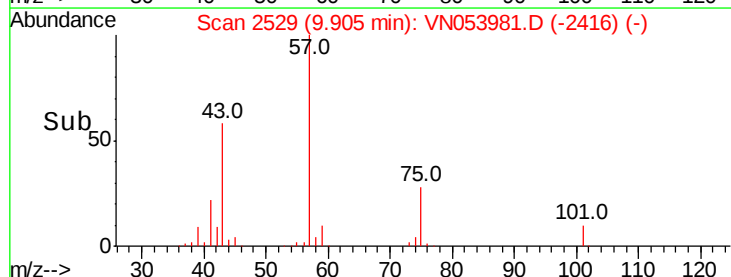
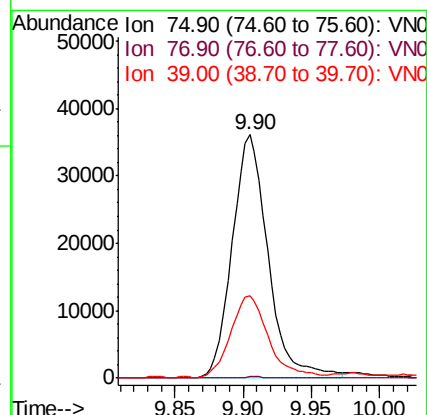
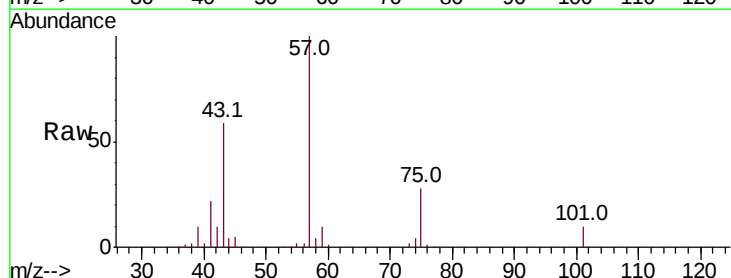
Tgt Ion: 75 Resp: 66075

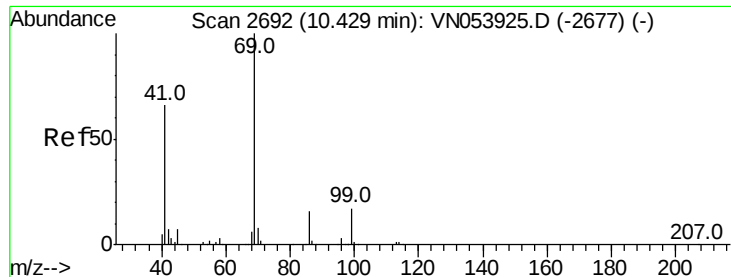
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

39 34.1 31.4 47.0





#56

Ethyl methacrylate

Concen: 2.072 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampled :

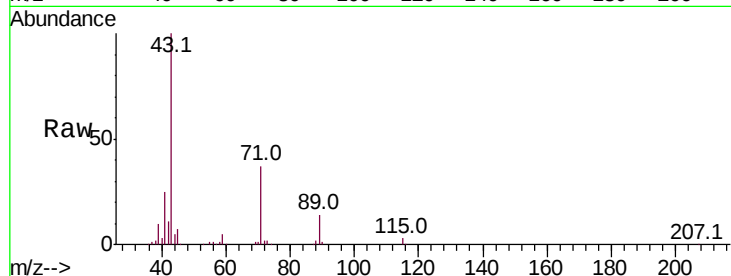
Tot Ion: 69 Resp: 1146

Ion Ratio Lower Upper

69 100

41 4294.8 47.5 71.3#

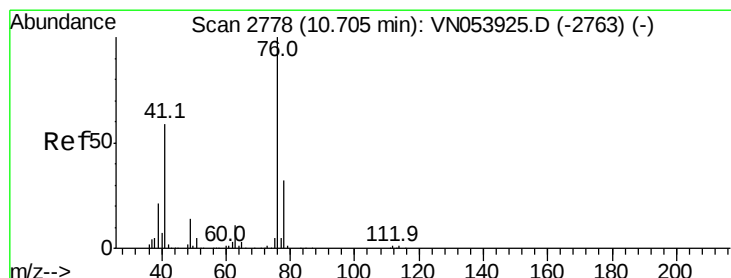
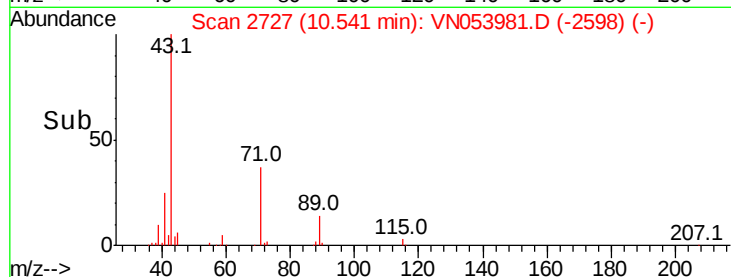
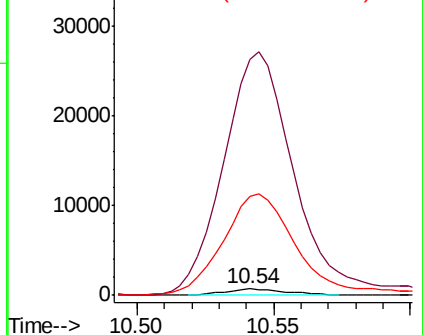
39 1847.2 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.102 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053981.D

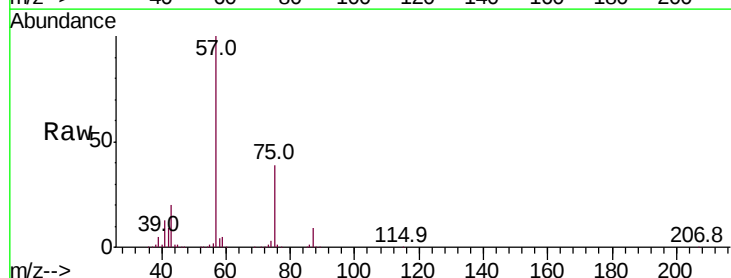
Acq: 27 Feb 2019 21:04

Tgt Ion: 76 Resp: 13308

Ion Ratio Lower Upper

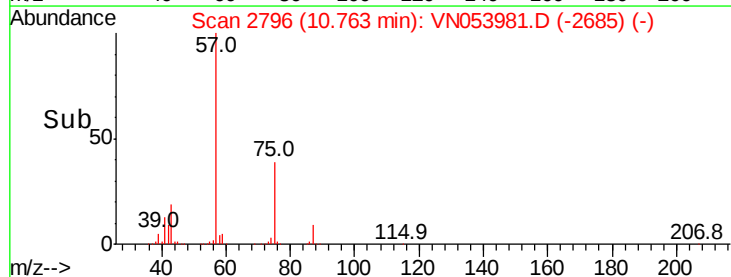
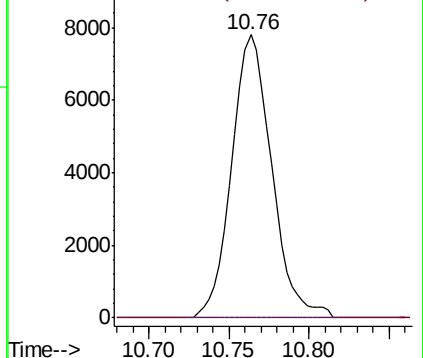
76 100

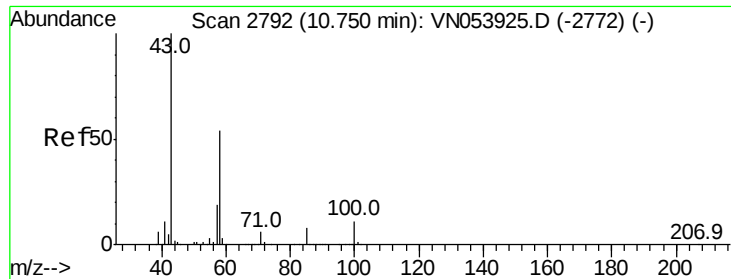
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 45.952 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

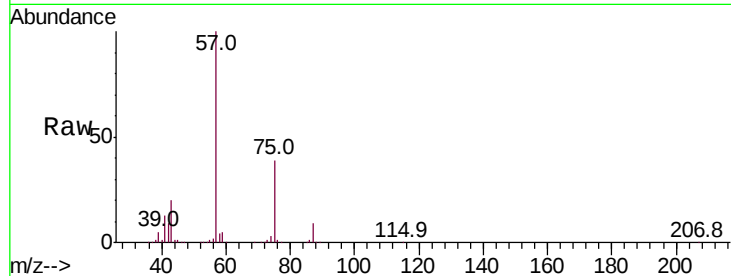
ClientSampleId :

Tot Ion: 43 Resp: 195957

Ion Ratio Lower Upper

43 100

58 19.5 29.1 87.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

120000

100000

80000

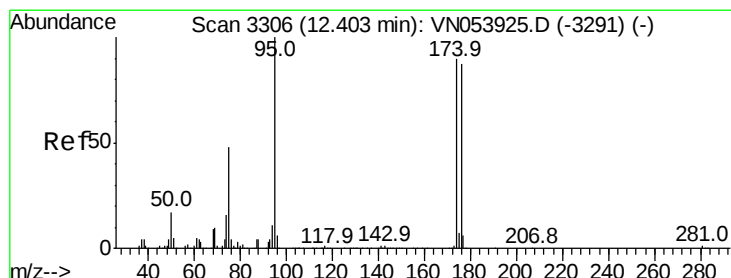
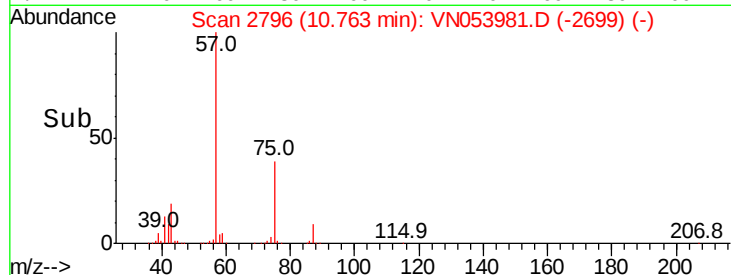
60000

40000

20000

0

Time--> 10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: 53.643 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

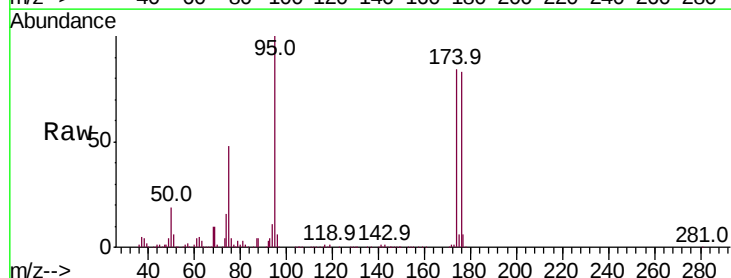
Tgt Ion: 95 Resp: 489632

Ion Ratio Lower Upper

95 100

174 86.9 0.0 188.8

176 84.8 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

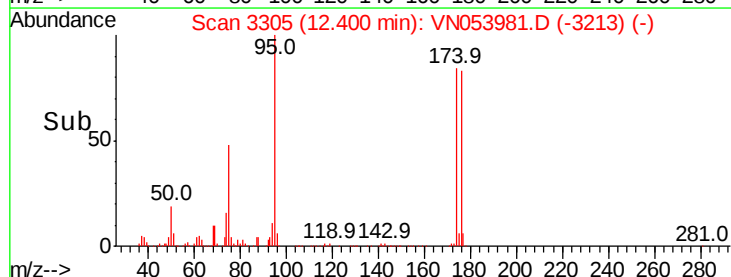
300000

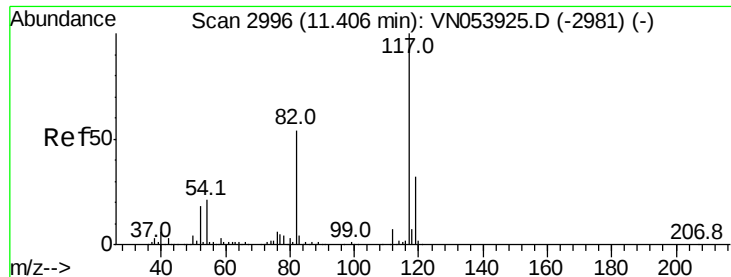
200000

100000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampleId :

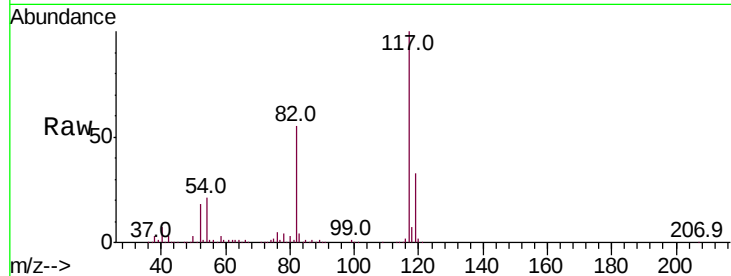
Tot Ion:117 Resp: 1107396

Ion Ratio Lower Upper

117 100

82 55.0 41.4 62.2

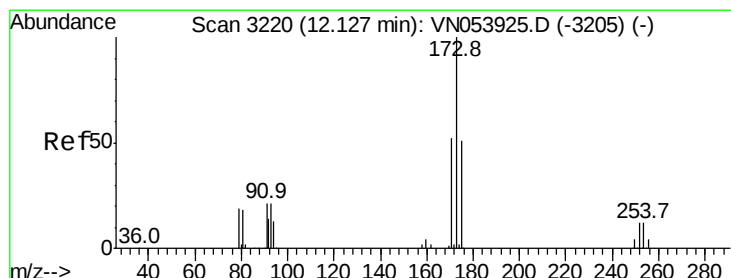
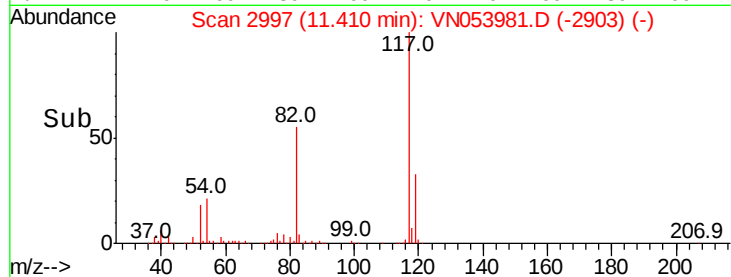
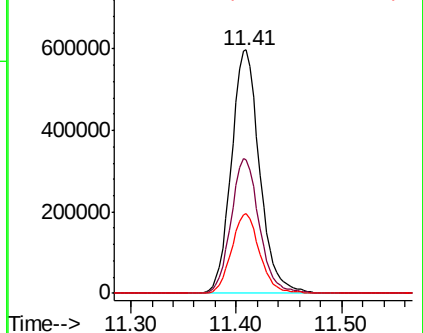
119 32.8 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.597 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

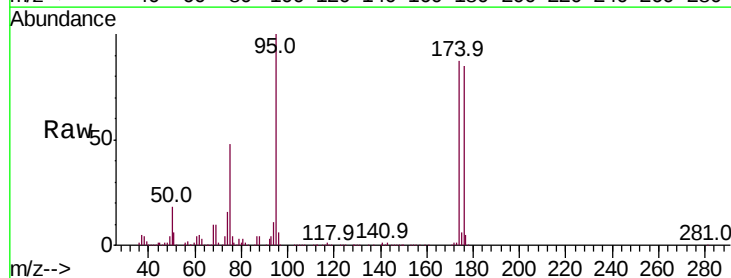
Tgt Ion:173 Resp: 3500

Ion Ratio Lower Upper

173 100

175 750.2 24.3 72.8#

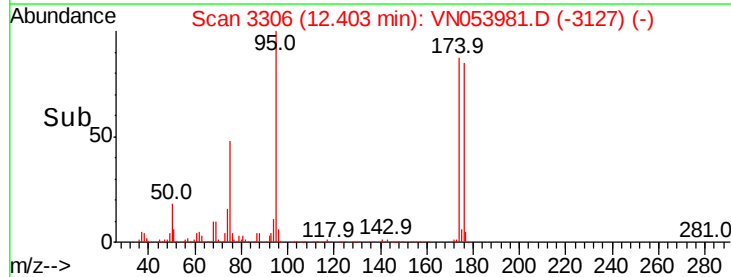
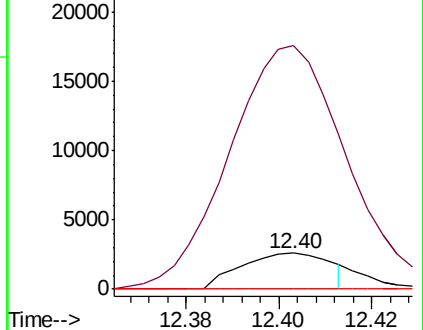
254 0.0 0.2 0.2#

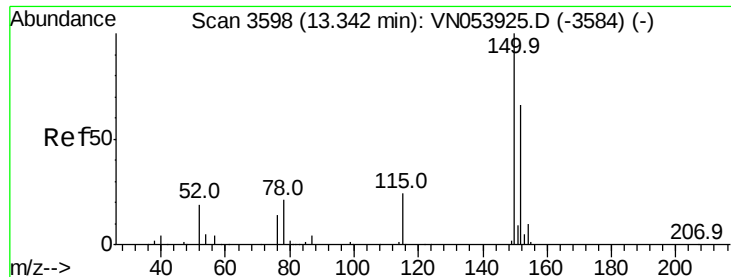


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



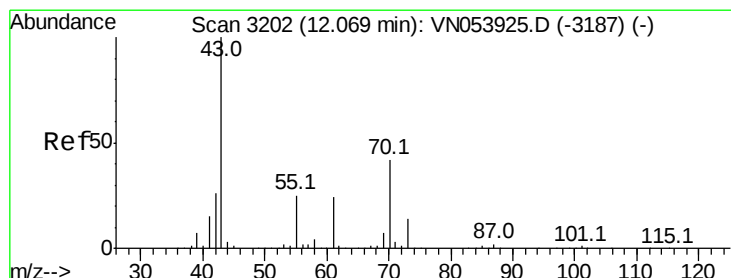
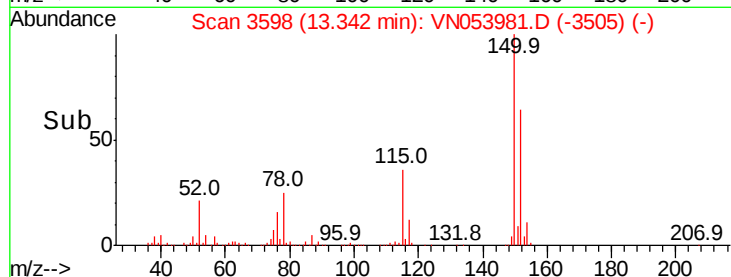
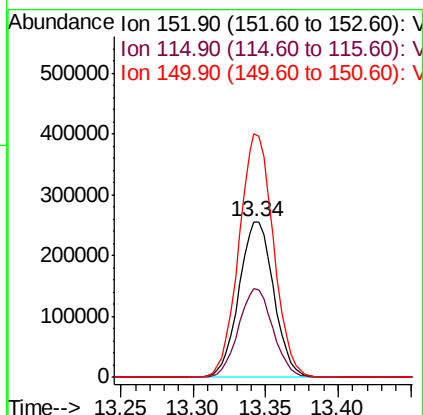
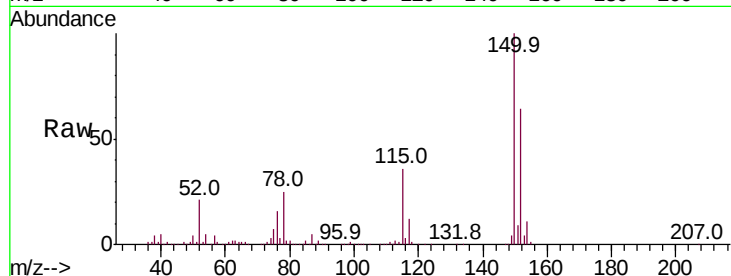


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

Instrument :
MSVOA_N
ClientSampleId :

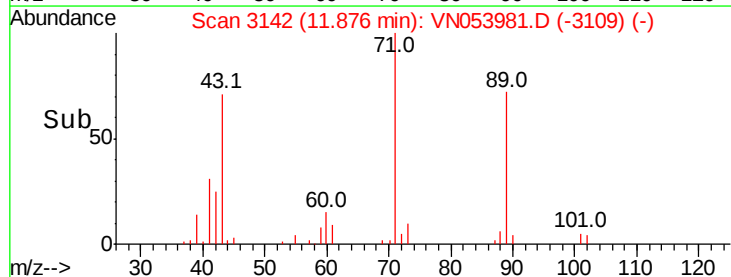
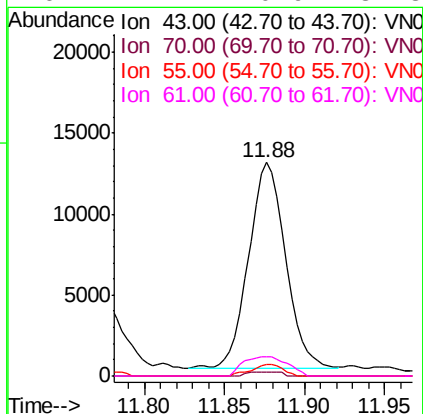
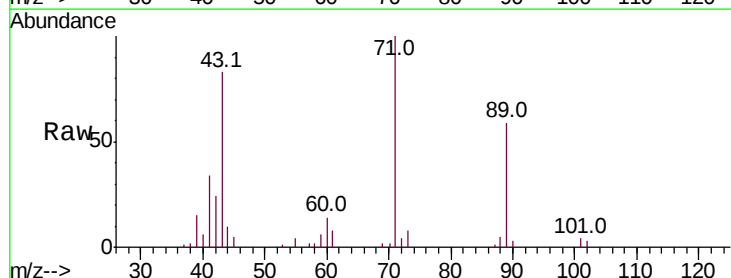
Tot Ion:152 Resp: 426253
Ion Ratio Lower Upper
152 100
115 56.4 27.2 81.6
150 154.8 0.0 348.2

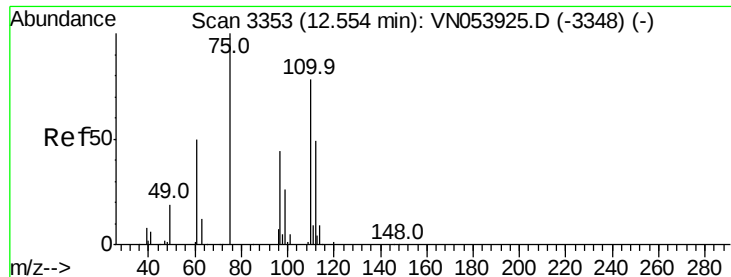


#74

N-ethyl acetate
Concen: 2.305 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

Tgt Ion: 43 Resp: 20042
Ion Ratio Lower Upper
43 100
70 1.9 37.4 56.2#
55 4.8 21.4 32.0#
61 11.2 20.9 31.3#





#76

1,2,3-Trichloropropane

Concen: 34.773 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

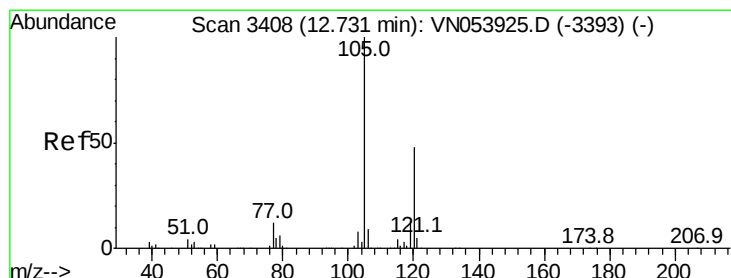
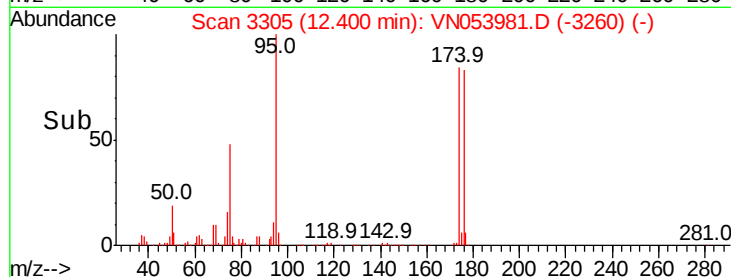
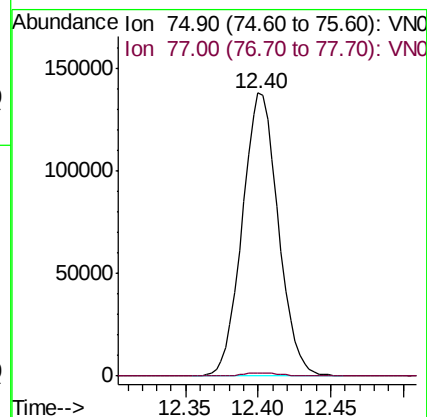
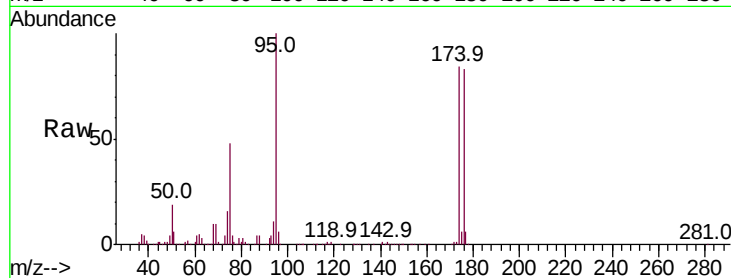
ClientSampled :

Tot Ion: 75 Resp: 237775

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.226 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053981.D

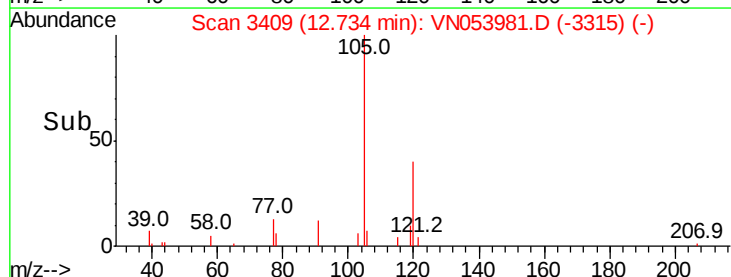
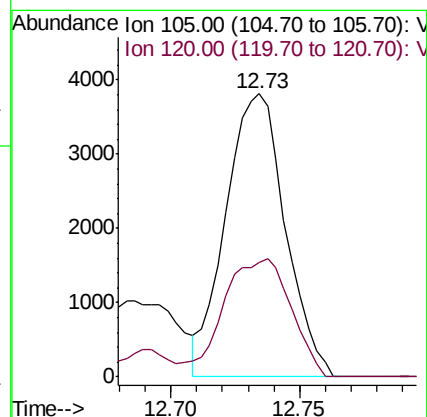
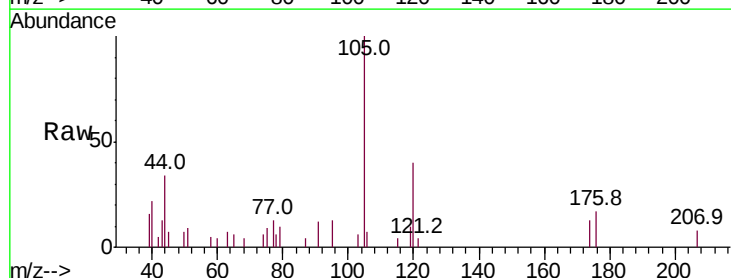
Acq: 27 Feb 2019 21:04

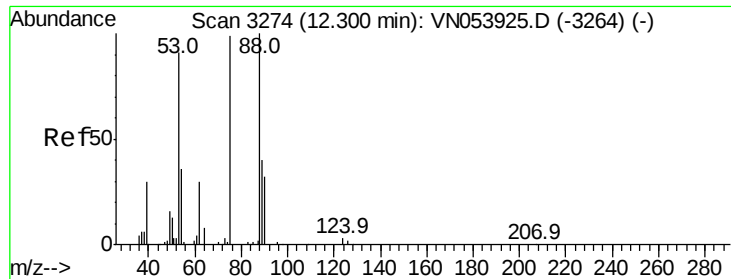
Tgt Ion: 105 Resp: 6149

Ion Ratio Lower Upper

105 100

120 47.0 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 109.905 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampleId :

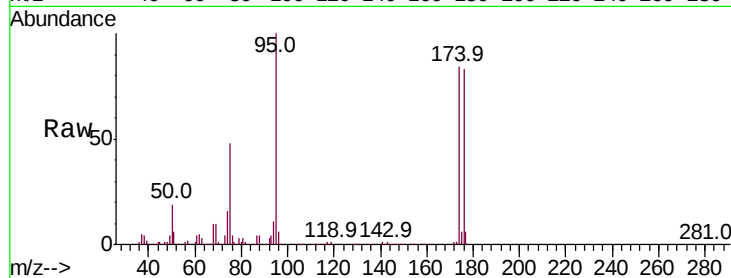
Tot Ion: 75 Resp: 237775

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

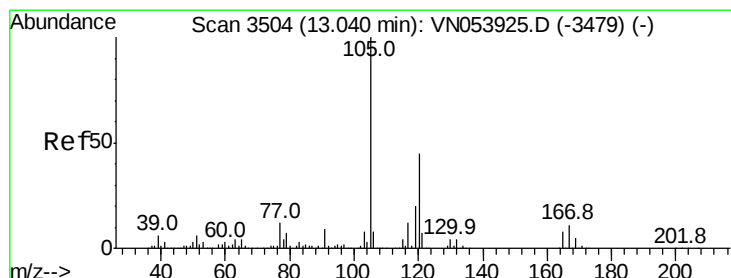
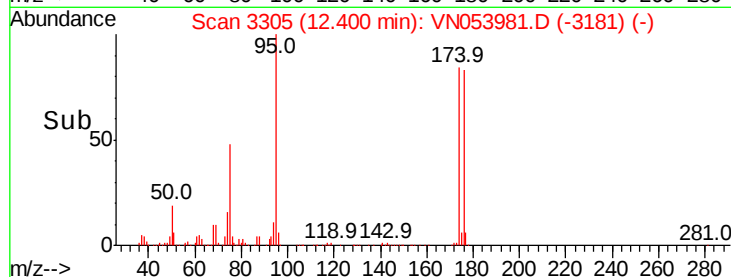
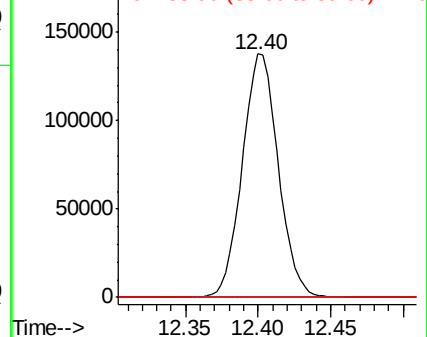
89 0.0 35.3 52.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.278 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053981.D

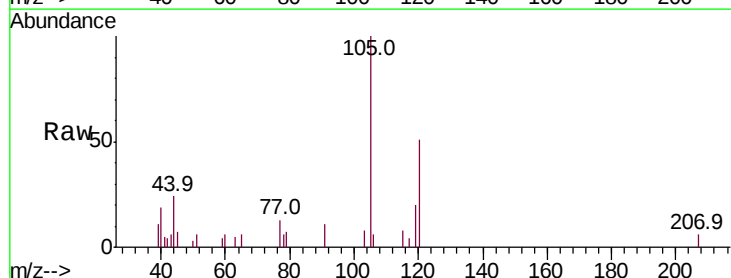
Acq: 27 Feb 2019 21:04

Tgt Ion: 105 Resp: 7550

Ion Ratio Lower Upper

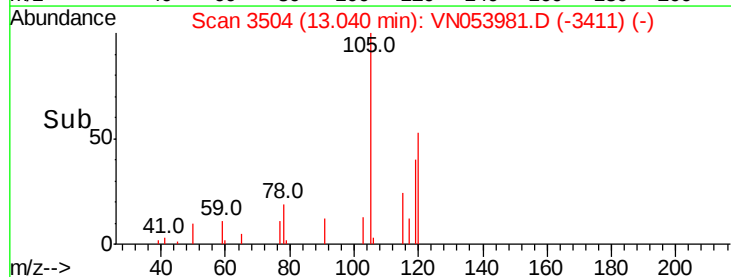
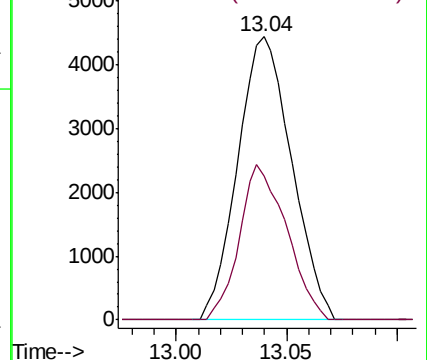
105 100

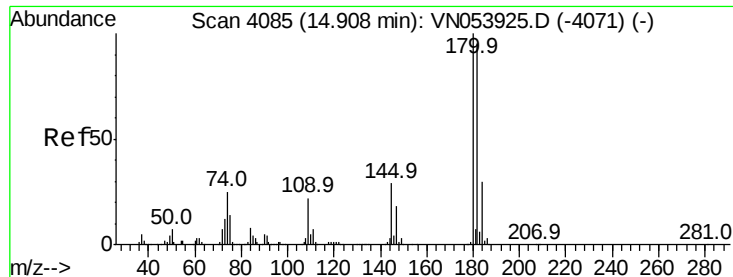
120 47.9 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#93

1,2,4-Trichlorobenzene

Concen: 2.254 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampled :

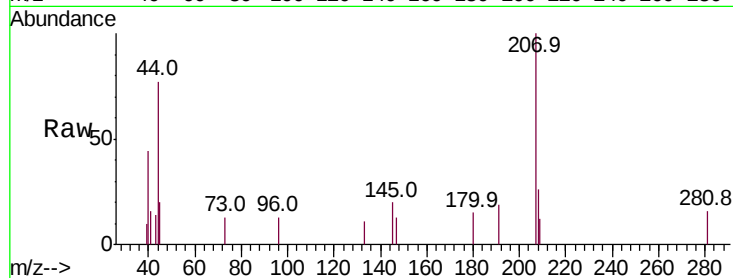
Tot Ion:180 Resp: 255

Ion Ratio Lower Upper

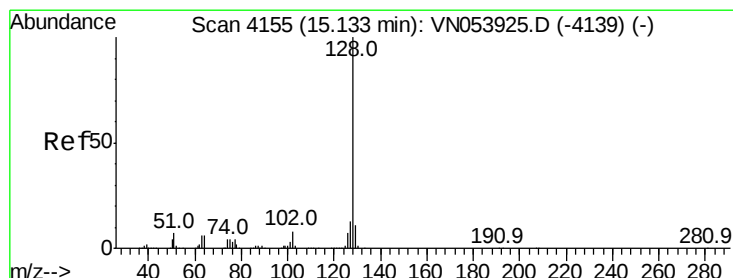
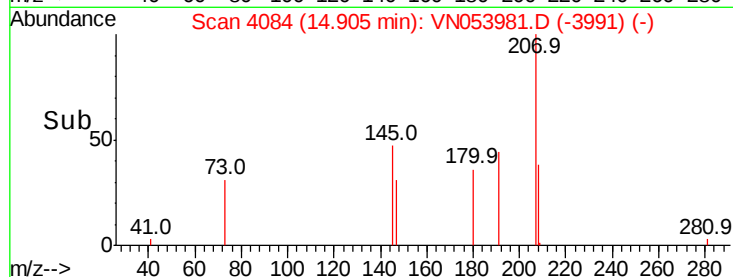
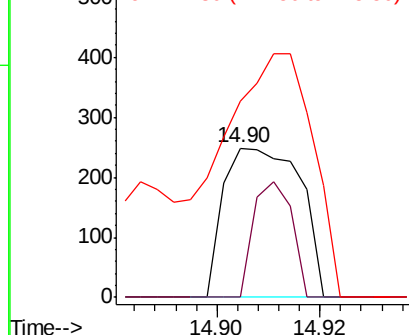
180 100

182 38.8 48.6 145.9#

145 198.0 13.8 41.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.579 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

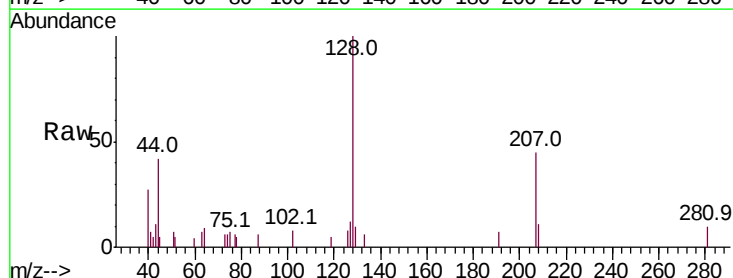
Tgt Ion:128 Resp: 6617

Ion Ratio Lower Upper

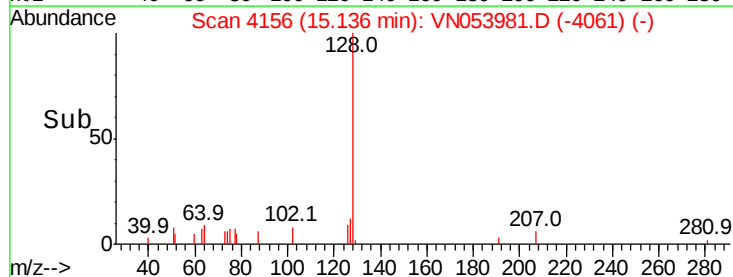
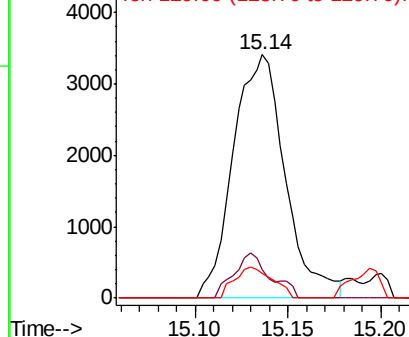
128 100

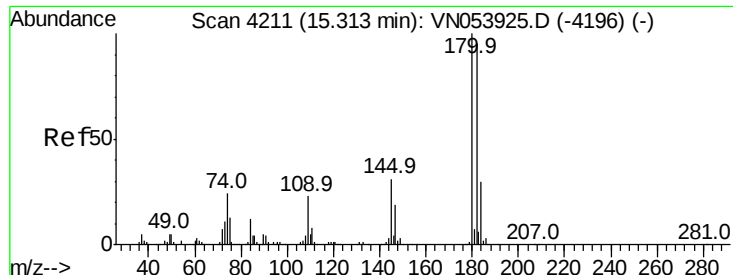
127 12.9 10.2 15.2

129 9.3 8.6 12.8



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

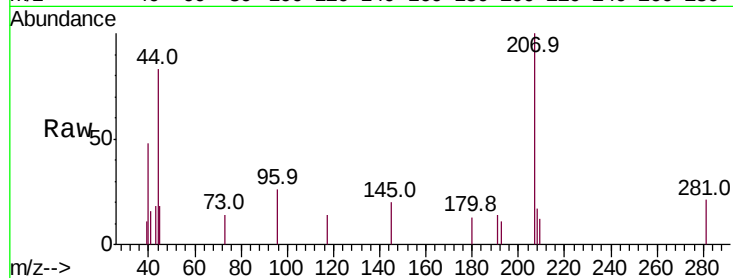




#96
 1,2,3-Trichlorobenzene
 Concen: 1.569 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	74.7	47.3	141.8
145	0.0	14.4	43.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

