

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053978.D
 Acq On : 27 Feb 2019 19:44
 Operator : JC/SP
 Sample : K1350-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 00:10:50 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	594668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1091344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427852	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	396539	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
35) Dibromofluoromethane	7.59	113	359825	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.09	98	1425578	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	477541	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	118	0.258	ug/l #	78
14) Allyl chloride	4.55	41	6338	0.616	ug/l #	26
16) Acetone	3.82	43	26661	2.407	ug/l	97
20) Methylene Chloride	4.55	84	261376	37.885	ug/l	91
25) 2-Butanone	6.84	43	1653	0.604	ug/l	97
29) Tetrahydrofuran	7.21	42	1099	0.603	ug/l	93
30) Chloroform	7.37	83	7808	0.661	ug/l	96
31) Cyclohexane	7.67	56	11833	0.657	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42200	4.065	ug/l #	48
38) Carbon Tetrachloride	7.67	117	52622	4.874	ug/l #	17
43) Isopropyl Acetate	8.17	43	29376	2.347	ug/l	92
45) 1,2-Dichloropropane	9.27	63	1885	0.219	ug/l #	44
47) Bromodichloromethane	9.40	83	4201	0.399	ug/l	92
48) Methyl methacrylate	9.17	41	11905	2.068	ug/l #	20
49) 1,4-Dioxane	9.26	88	37	0.475	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9668	1.503	ug/l #	34
52) Toluene	10.15	92	3878	0.207	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	68559	5.678	ug/l #	70
56) Ethyl methacrylate	10.54	69	1308	2.092	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	12956	1.093	ug/l #	43
59) 2-Hexanone	10.76	43	184970	44.224	ug/l #	48
67) Ethyl Benzene	11.51	91	112087	2.903	ug/l	99
68) m/p-Xylenes	11.62	106	216702	14.870	ug/l	96
69) o-Xylene	11.95	106	97189	6.787	ug/l	96
70) Styrene	11.95	104	6788	0.308	ug/l #	1
71) Bromoform	12.40	173	3512	0.608	ug/l #	1
73) Isopropylbenzene	12.25	105	7602	0.228	ug/l	94
74) N-amyl acetate	11.88	43	19814	2.270	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	234015	34.096	ug/l #	100
78) n-propylbenzene	12.59	91	45357	1.197	ug/l	99
79) 2-Chlorotoluene	12.66	91	29502	1.297	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	164624	6.038	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	234015	107.763	ug/l #	15
82) 4-Chlorotoluene	12.73	91	17844	0.793	ug/l #	39

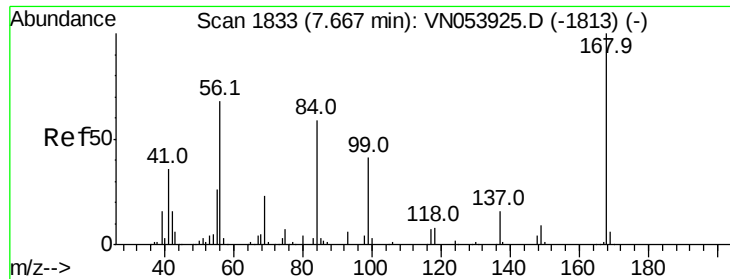
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	102152	4.236	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.04	105	831221	30.536	ug/l	98
85) sec-Butylbenzene	13.04	105	831221	25.237	ug/l #	56
86) p-Isopropyltoluene	13.29	119	9960	0.358	ug/l	95
89) n-Butylbenzene	13.58	91	4800	0.205	ug/l #	1
90) Hexachloroethane	13.89	117	4736	0.878	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	436	2.276	ug/l #	31
95) Naphthalene	15.13	128	45238	5.711	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	319	1.599	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

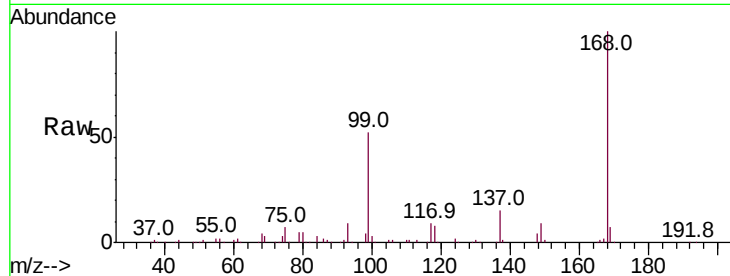
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 594668

Ion Ratio Lower Upper

168 100

99 51.9 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

50000

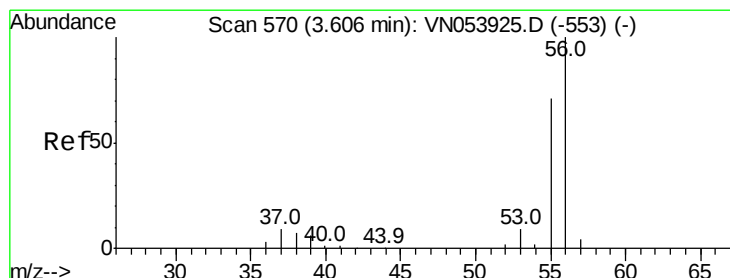
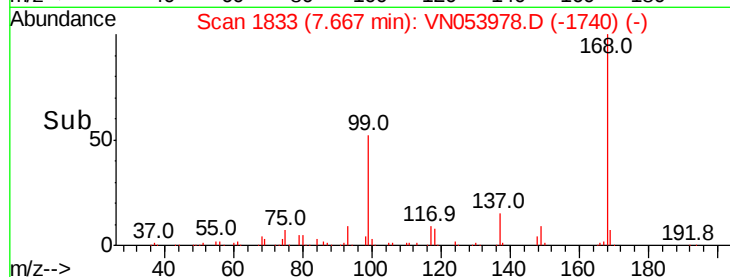
0

Time-->

7.60

7.70

7.80



#13

Acrolein

Concen: 0.258 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053978.D

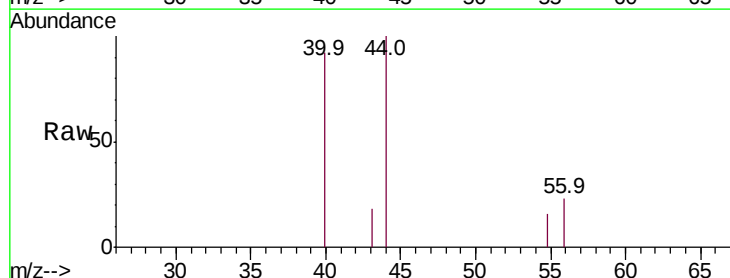
Acq: 27 Feb 2019 19:44

Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 52.5 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

250

200

150

100

50

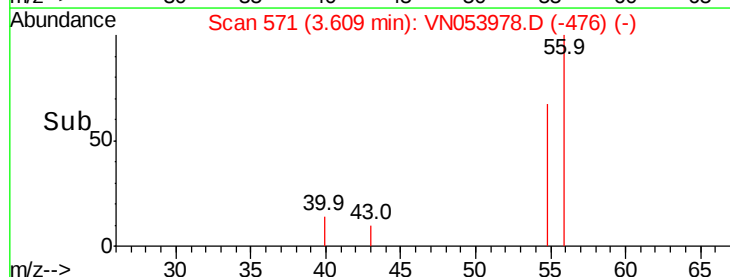
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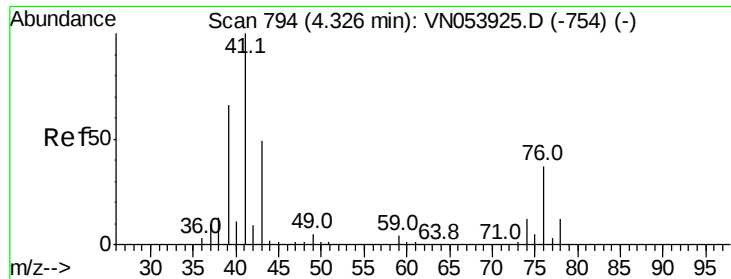
Time-->

3.60

3.61

3.62





#14

Allvl chloride

Concen: 0.616 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.22 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

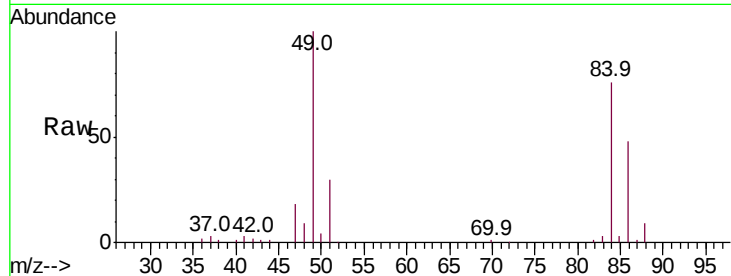
Tot Ion: 41 Resp: 6338

Ion Ratio Lower Upper

41 100

39 0.0 48.8 73.2#

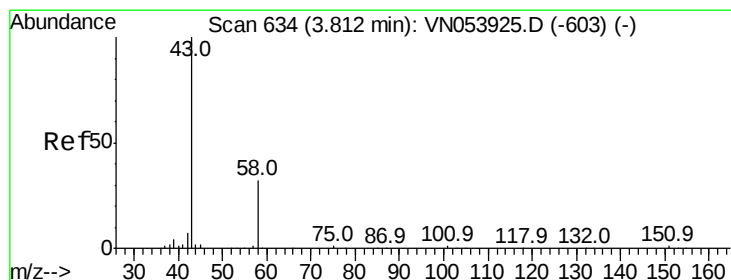
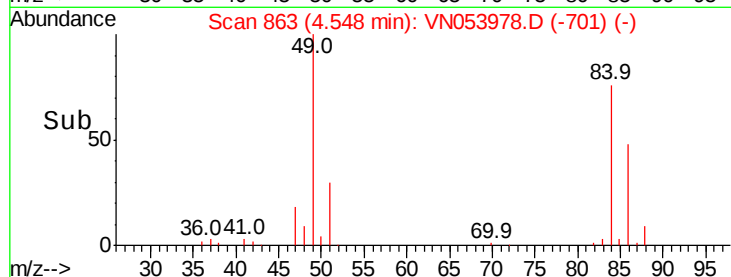
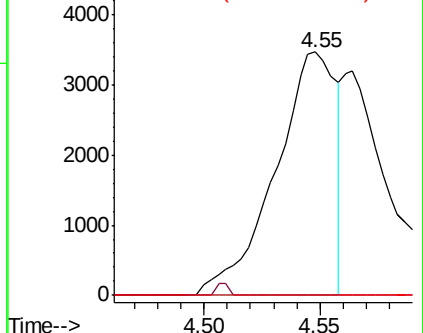
76 0.0 30.9 46.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 2.407 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053978.D

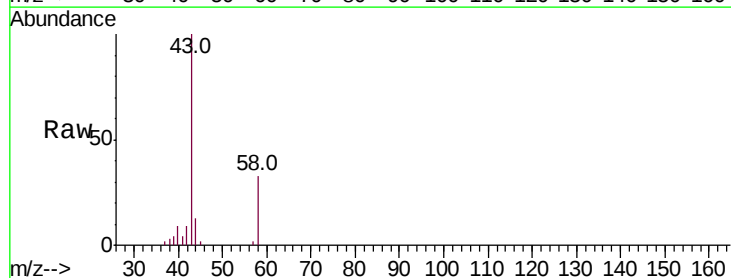
Acq: 27 Feb 2019 19:44

Tgt Ion: 43 Resp: 26661

Ion Ratio Lower Upper

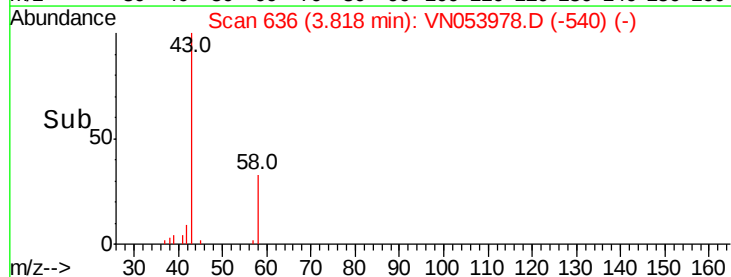
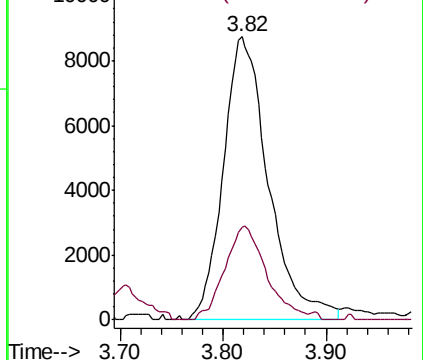
43 100

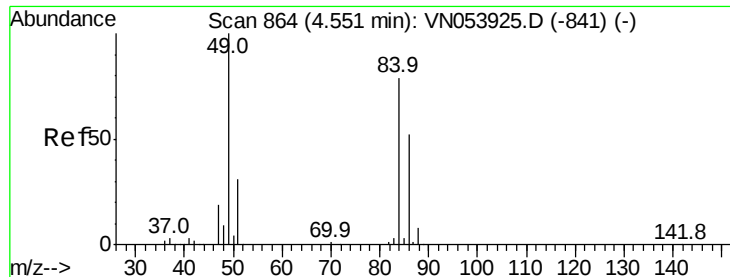
58 32.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

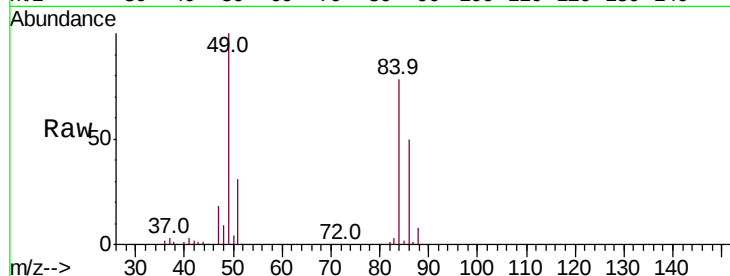




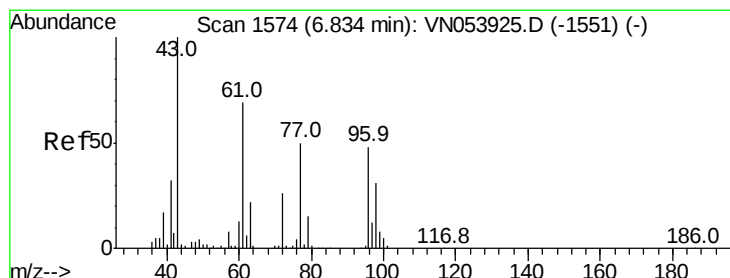
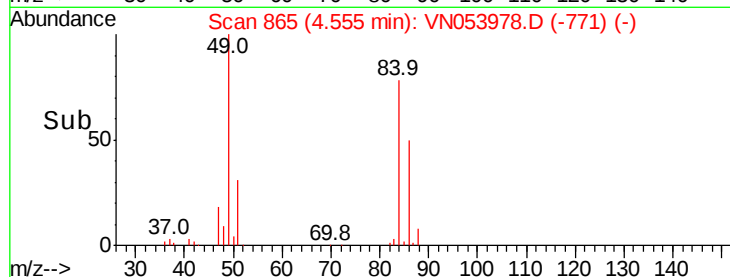
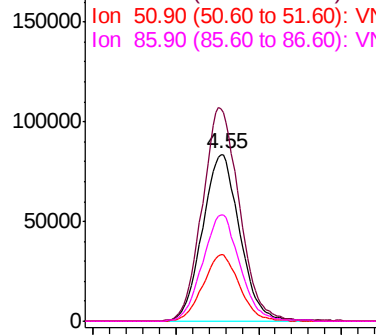
#20
Methylene Chloride
Concen: 37.885 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 261376
Ion Ratio Lower Upper
84 100
49 127.9 89.7 134.5
51 40.3 27.8 41.8
86 64.0 51.3 76.9

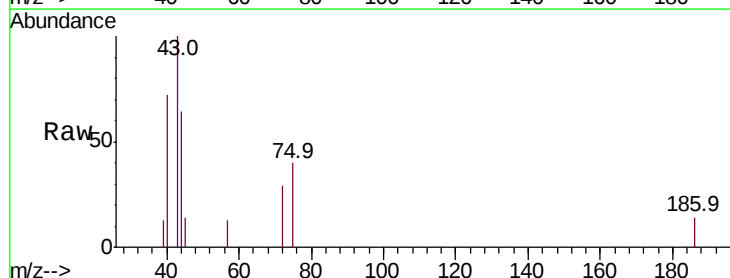


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

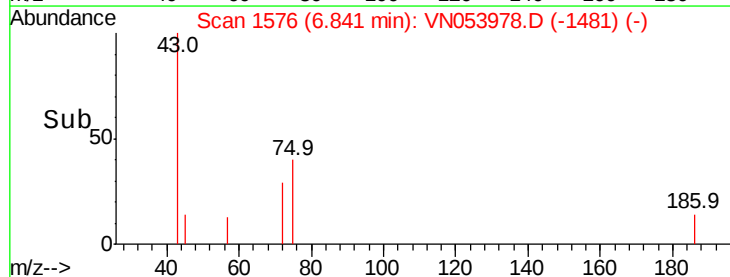
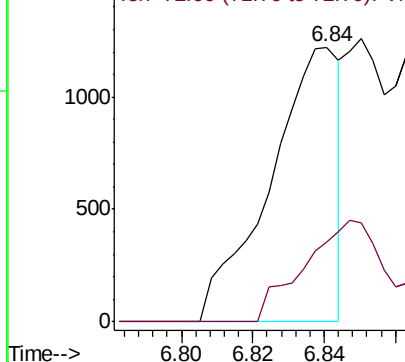


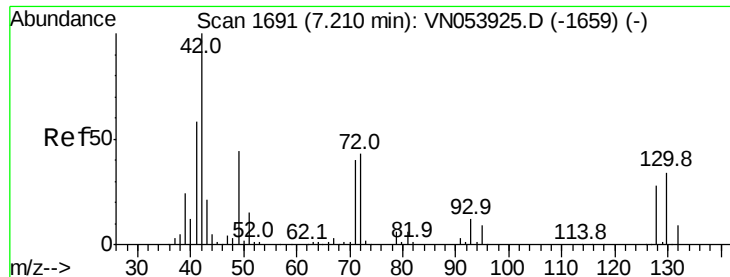
#25
2-Butanone
Concen: 0.604 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
72 29.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

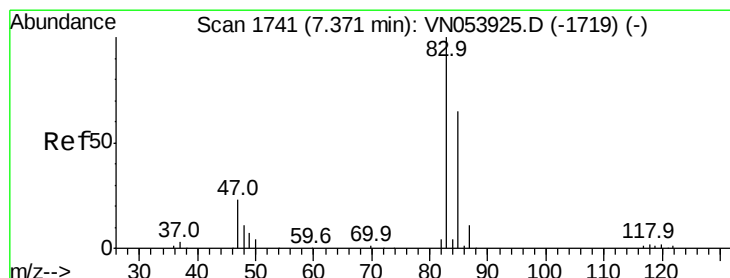
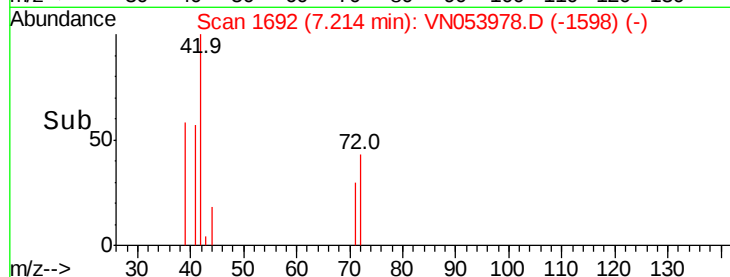
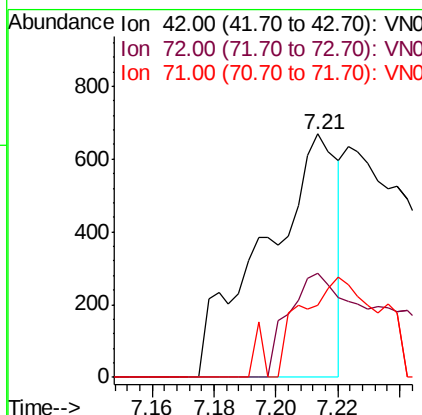
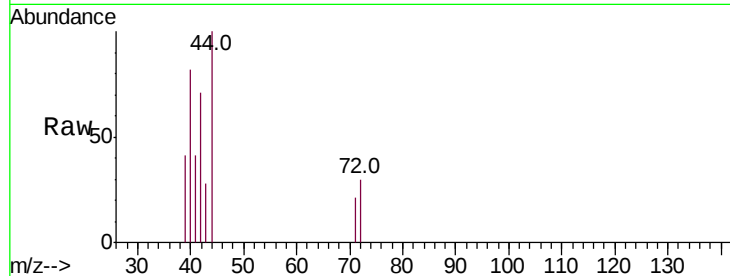




#29
Tetrahydrofuran
Concen: 0.603 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

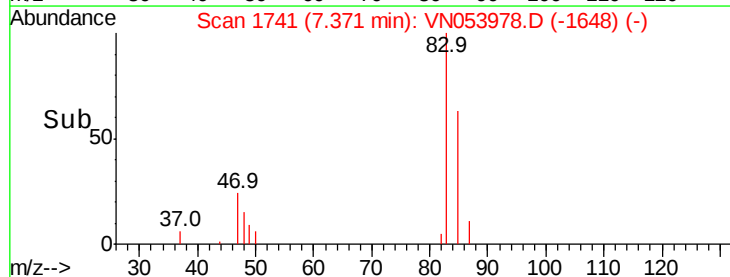
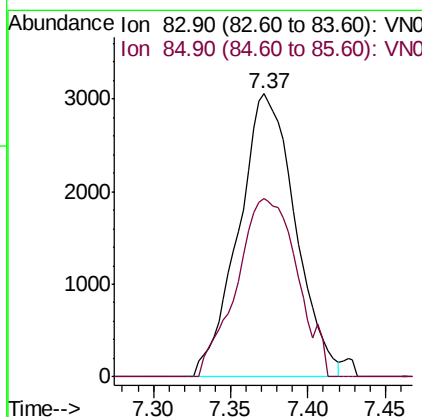
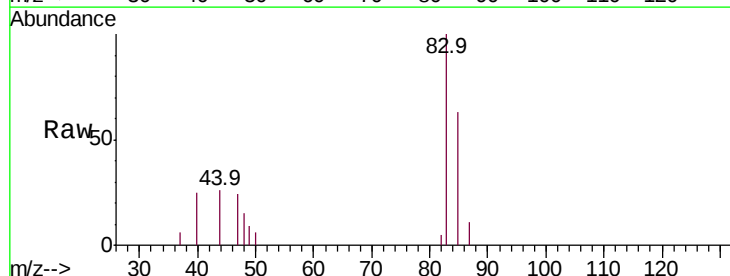
Instrument :
MSVOA_N
ClientSampleId :

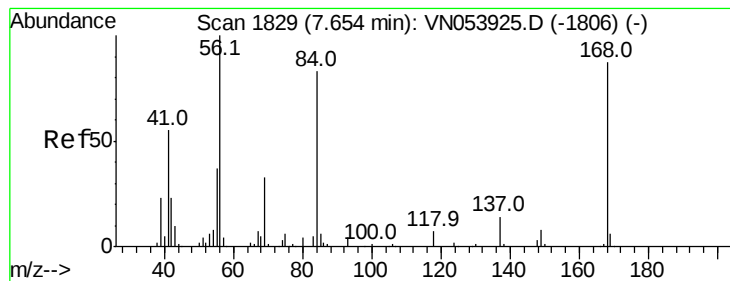
Tot Ion: 42 Resp: 1099
Ion Ratio Lower Upper
42 100
72 54.1 36.9 55.3
71 44.1 34.6 52.0



#30
Chloroform
Concen: 0.661 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion: 83 Resp: 7808
Ion Ratio Lower Upper
83 100
85 62.9 52.6 78.8





#31

Cyclohexane

Concen: 0.657 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampled :

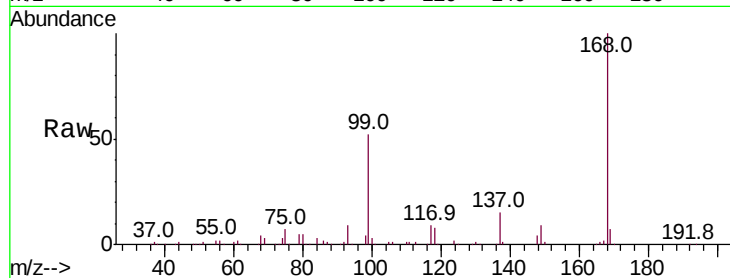
Tot Ion: 56 Resp: 11833

Ion Ratio Lower Upper

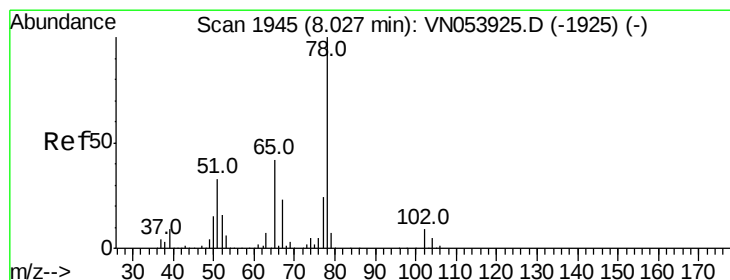
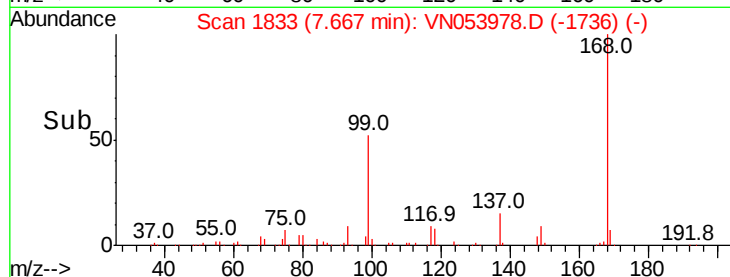
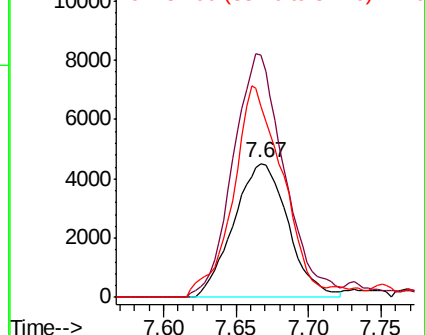
56 100

69 177.6 26.0 39.0#

84 137.0 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: 56.885 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053978.D

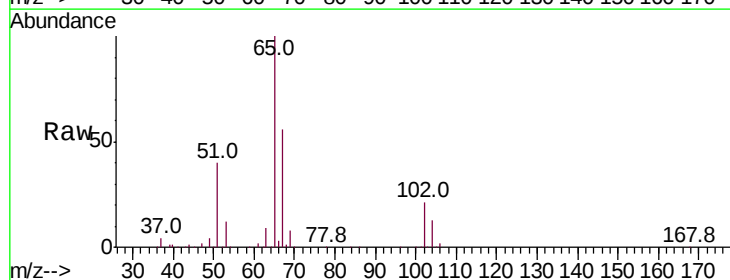
Acq: 27 Feb 2019 19:44

Tgt Ion: 65 Resp: 396539

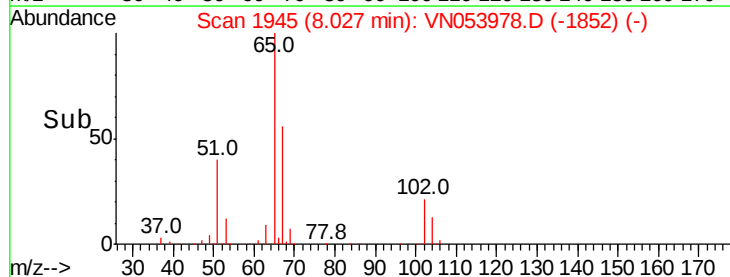
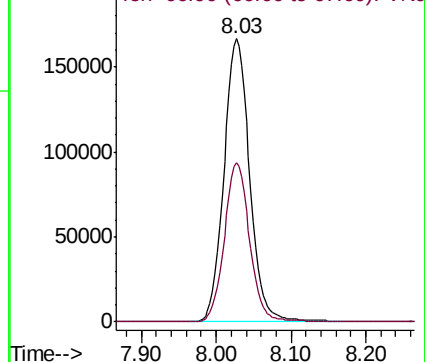
Ion Ratio Lower Upper

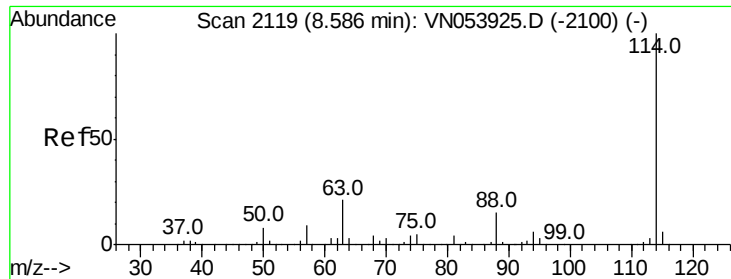
65 100

67 55.1 0.0 111.8



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



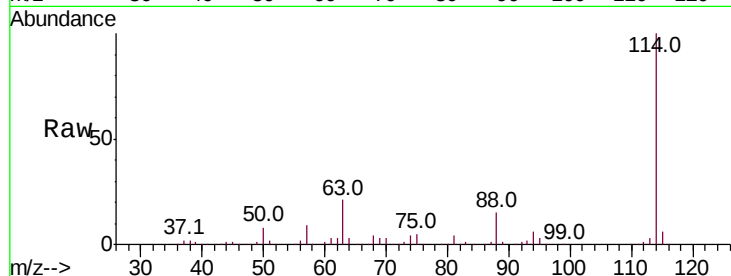


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

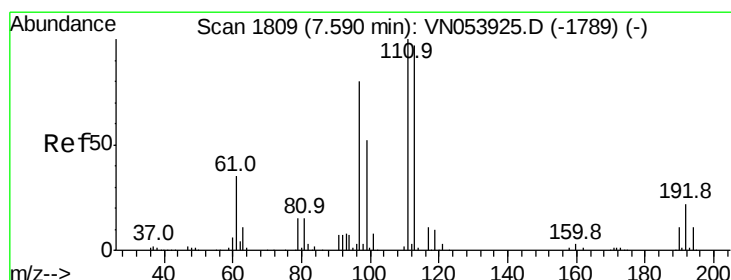
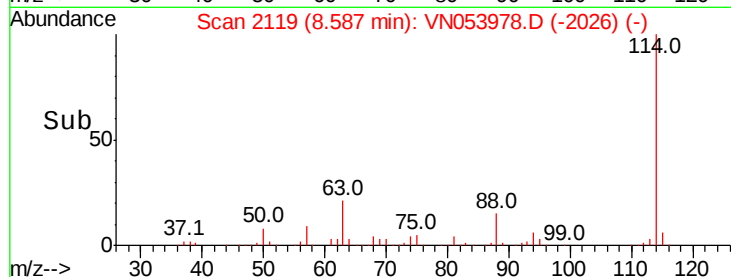
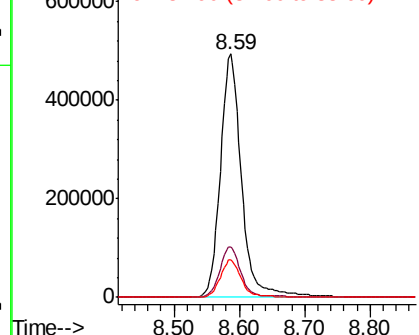
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 1116228

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	37.4
88	15.4	0.0	30.4



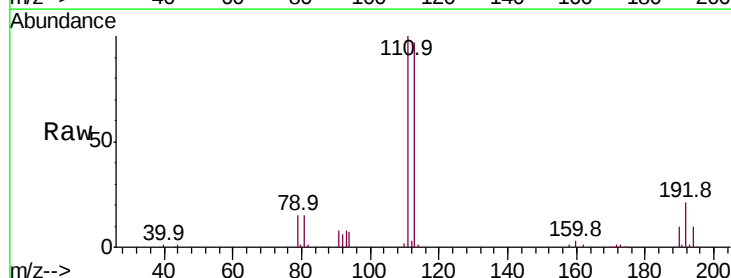
Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN



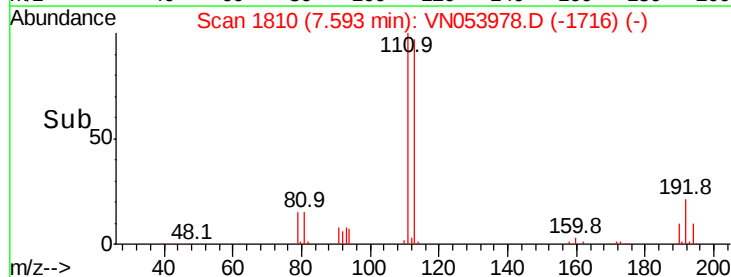
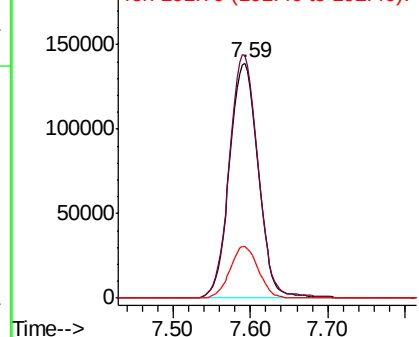
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Dibromofluoromethane
Concen: 49.850 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

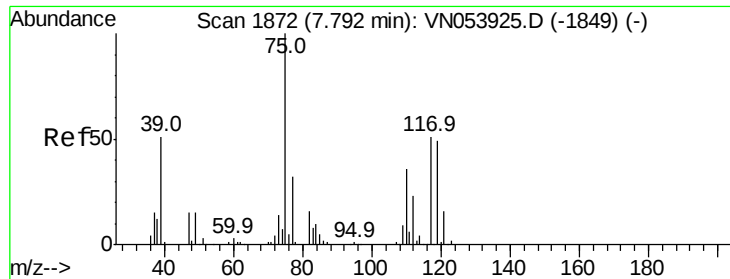
Tgt Ion:113 Resp: 359825

Ion	Ratio	Lower	Upper
113	100		
111	103.1	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

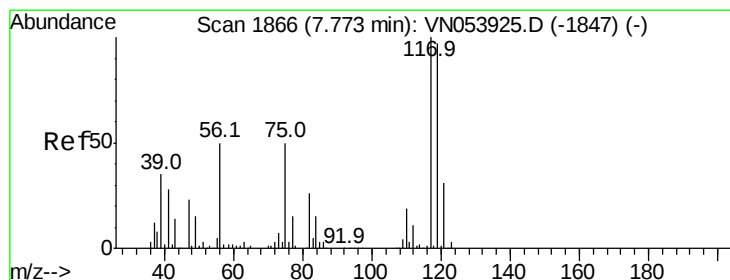
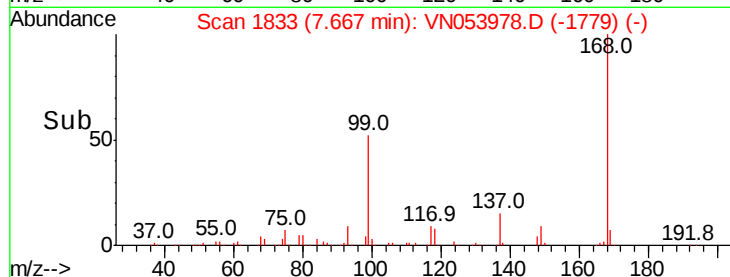
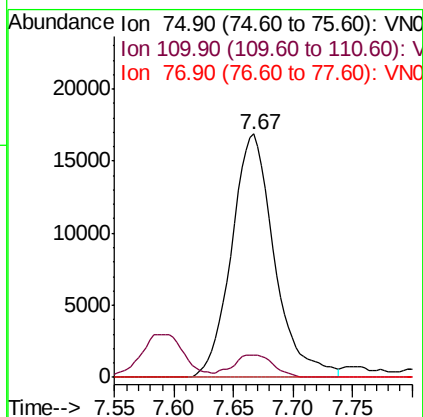
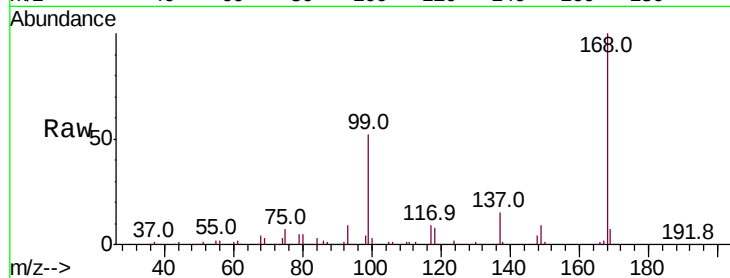




#36
 1,1-Dichloropropene
 Concen: 4.065 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

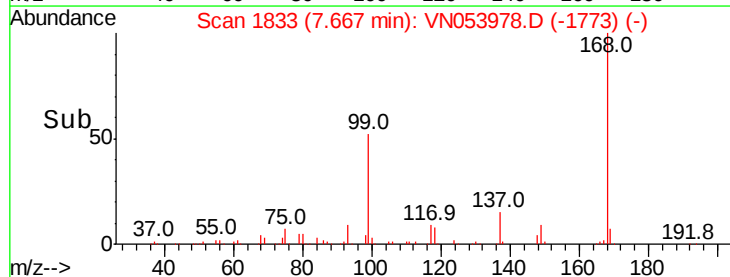
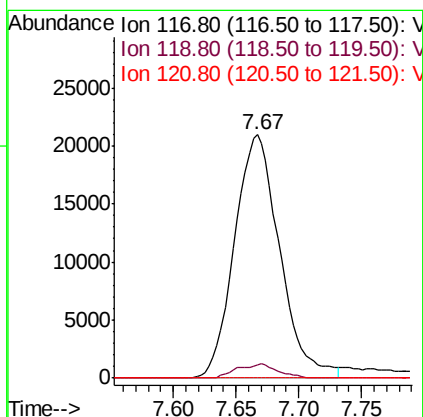
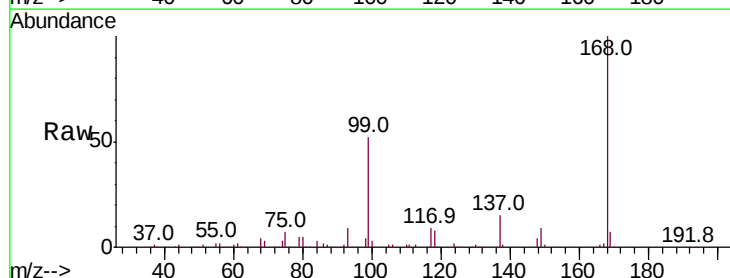
Instrument :
 MSVOA_N
 ClientSampled :

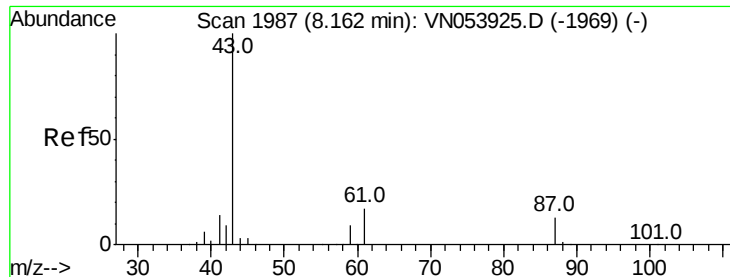
Tot Ion: 75 Resp: 42200
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 4.874 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion: 117 Resp: 52622
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 2.347 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampled :

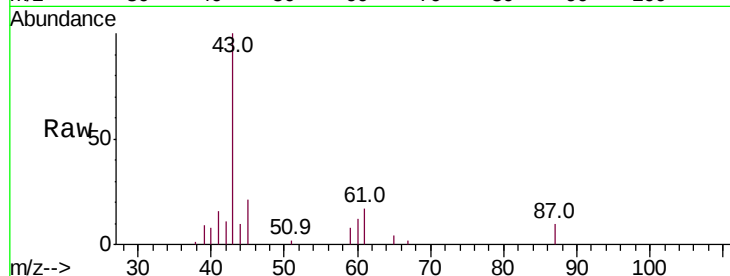
Tot Ion: 43 Resp: 29376

Ion Ratio Lower Upper

43 100

61 17.4 17.4 26.0

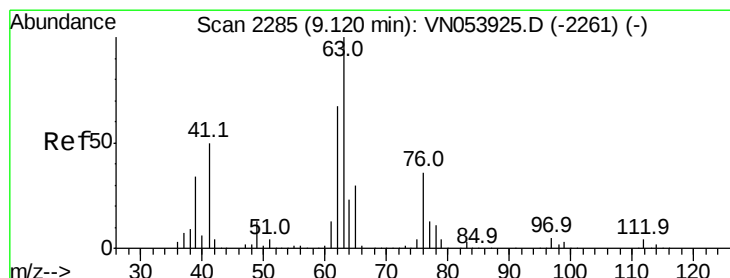
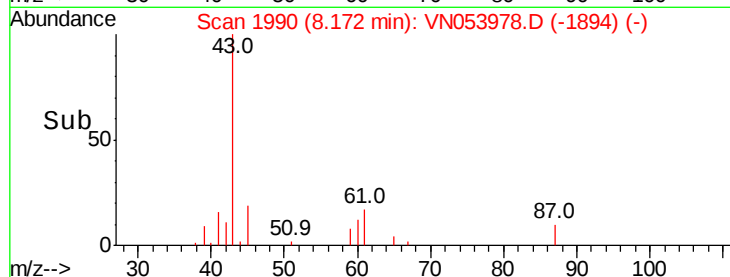
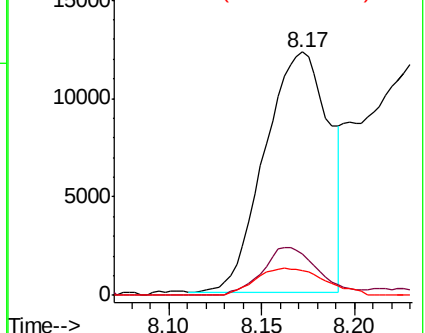
87 12.1 11.5 17.3



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: 0.219 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053978.D

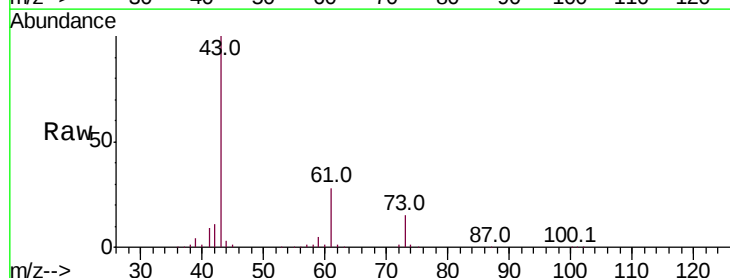
Acq: 27 Feb 2019 19:44

Tgt Ion: 63 Resp: 1885

Ion Ratio Lower Upper

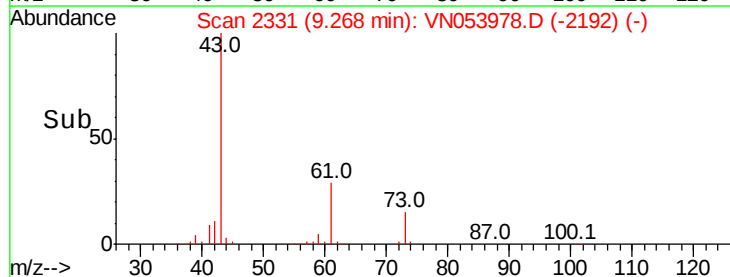
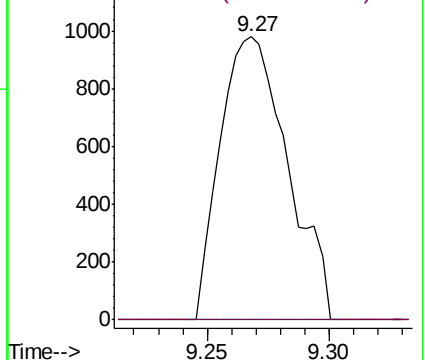
63 100

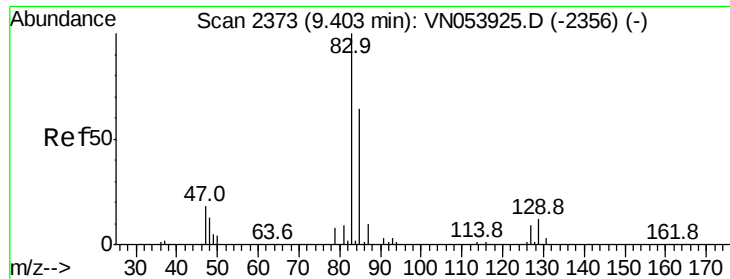
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.399 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampled :

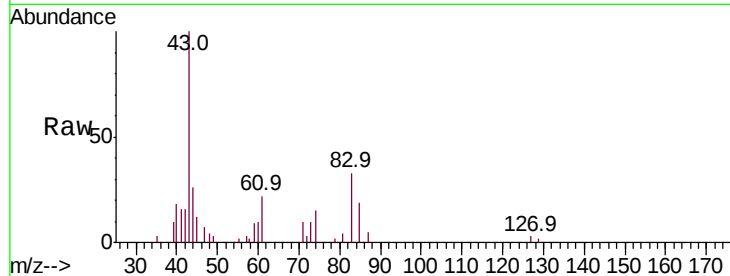
Tot Ion: 83 Resp: 4201

Ion Ratio Lower Upper

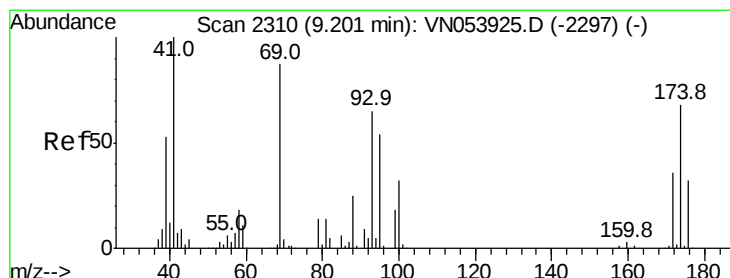
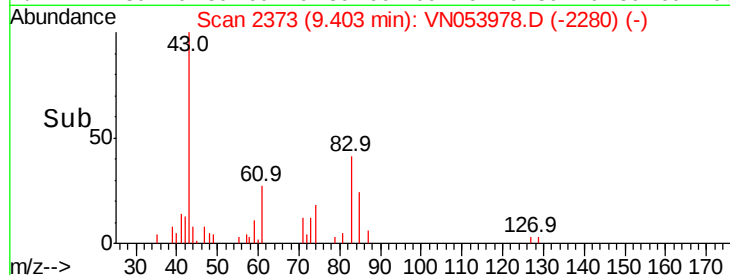
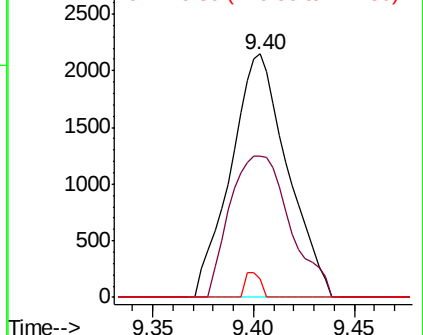
83 100

85 58.2 51.8 77.6

127 7.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 2.068 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.03 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

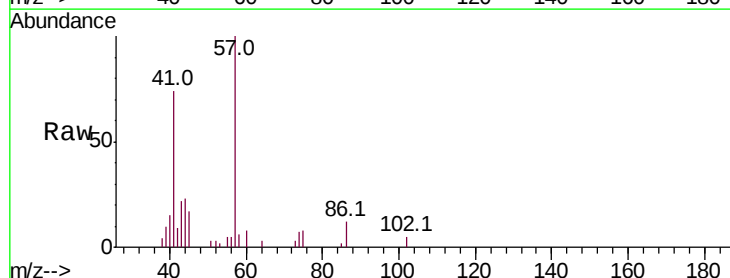
Tgt Ion: 41 Resp: 11905

Ion Ratio Lower Upper

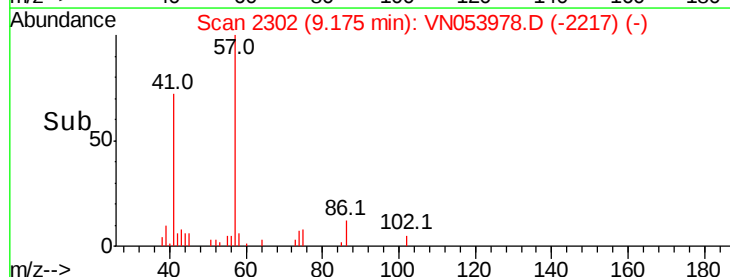
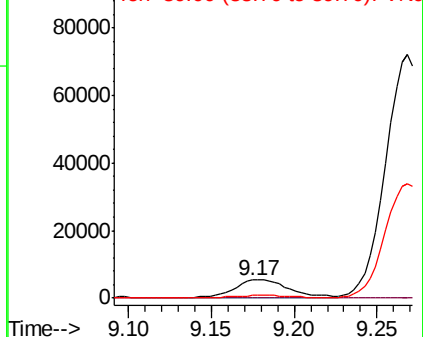
41 100

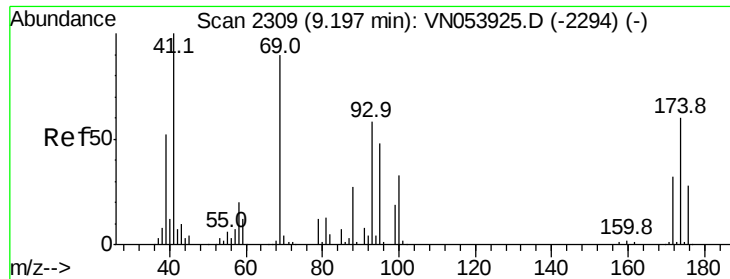
69 0.0 74.8 112.2#

39 17.6 39.0 58.6#



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





#49

1,4-Dioxane

Concen: 0.475 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :

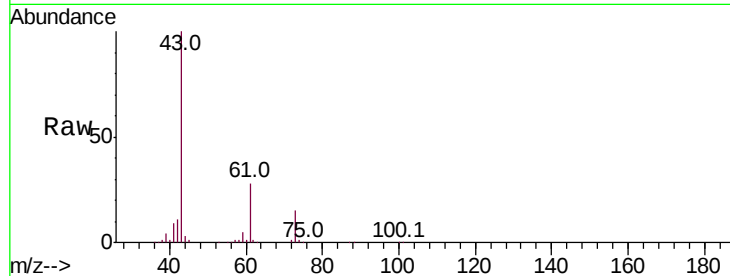
Tot Ion: 88 Resp: 37

Ion Ratio Lower Upper

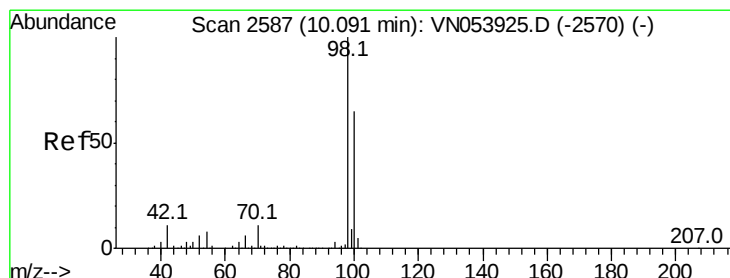
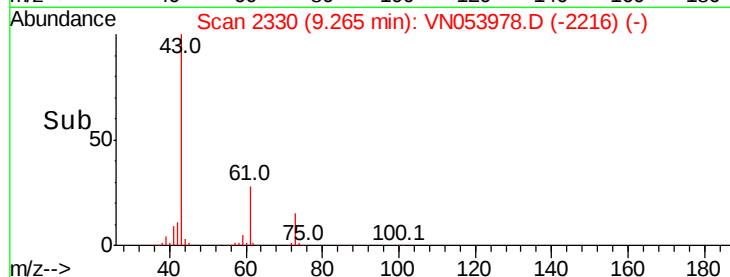
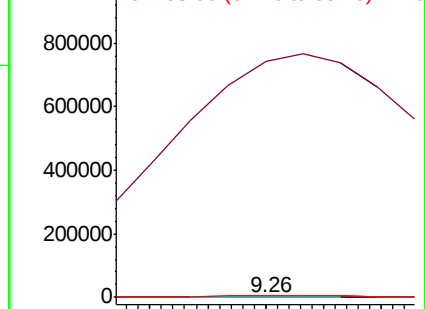
88 100

43 4193491.9 21.2 31.8#

58 22251.4 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: 53.054 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053978.D

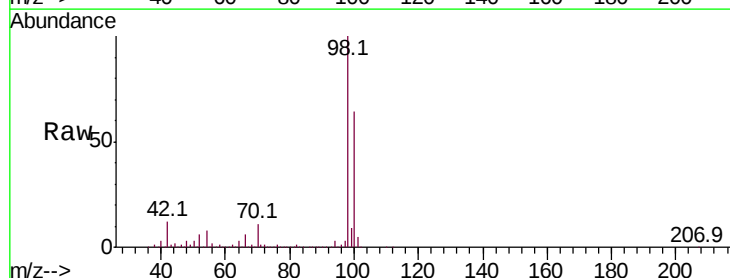
Acq: 27 Feb 2019 19:44

Tgt Ion: 98 Resp: 1425578

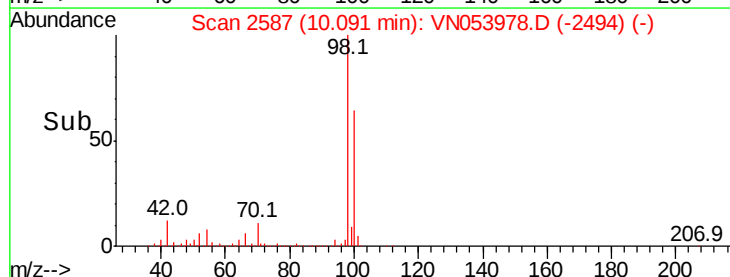
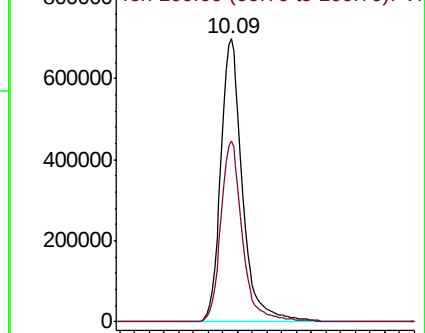
Ion Ratio Lower Upper

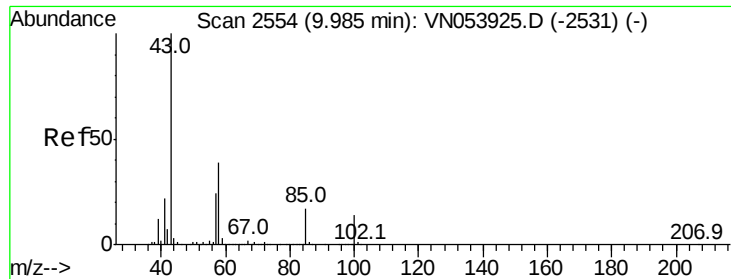
98 100

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

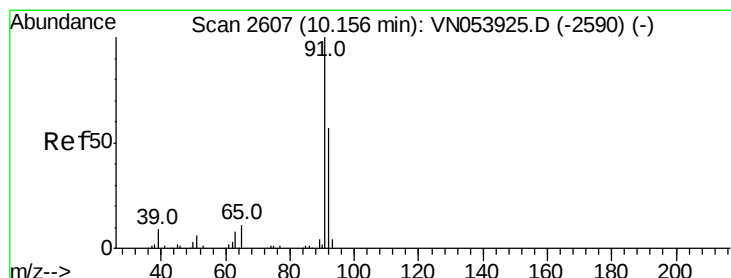
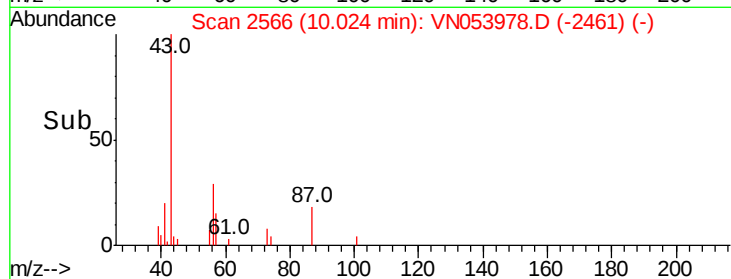
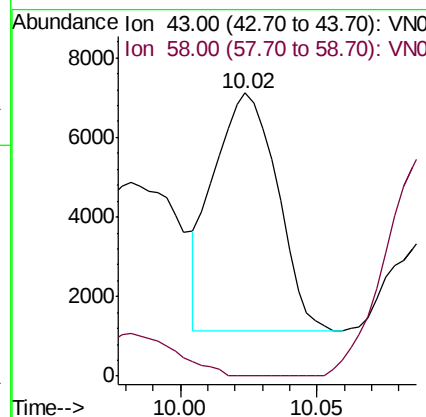
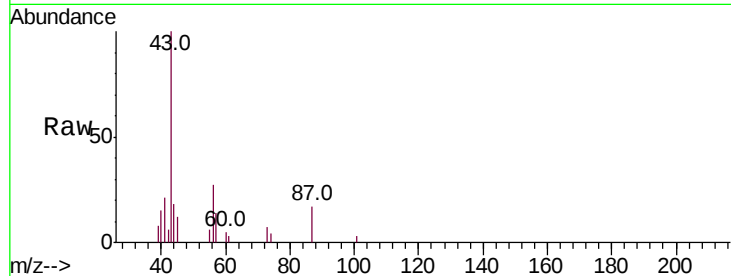




#51
 4-Methyl-2-Pentanone
 Concen: 1.503 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

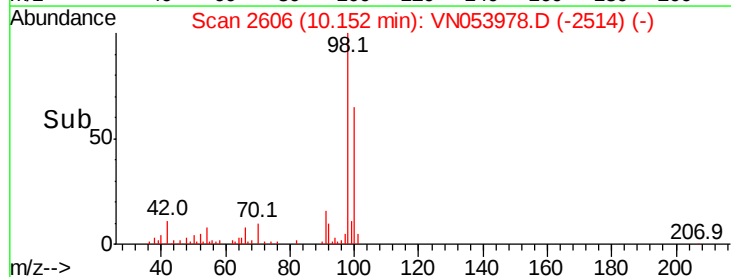
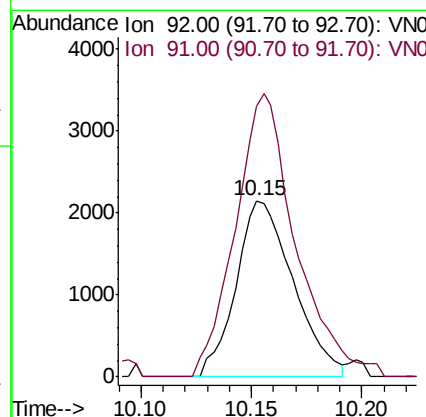
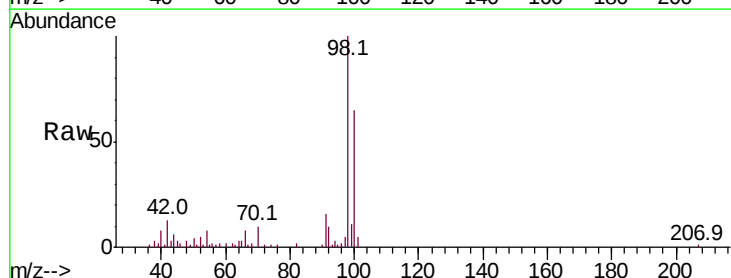
Instrument :
 MSVOA_N
 ClientSampled :

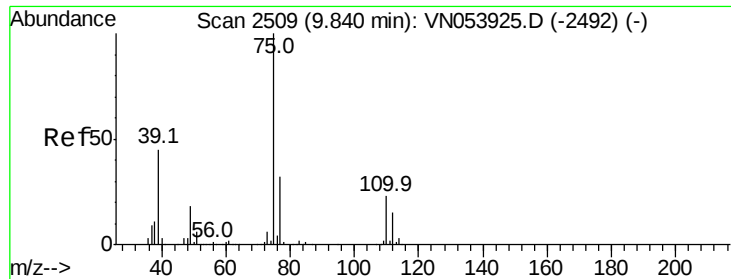
Tot Ion: 43 Resp: 9668
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.7 49.1#



#52
 Toluene
 Concen: 0.207 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion: 92 Resp: 3878
 Ion Ratio Lower Upper
 92 100
 91 169.6 138.4 207.6





#54

cis-1,3-Dichloropropene

Concen: 5.678 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :

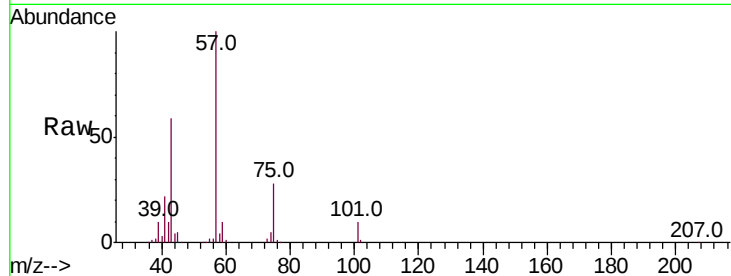
Tot Ion: 75 Resp: 68559

Ion Ratio Lower Upper

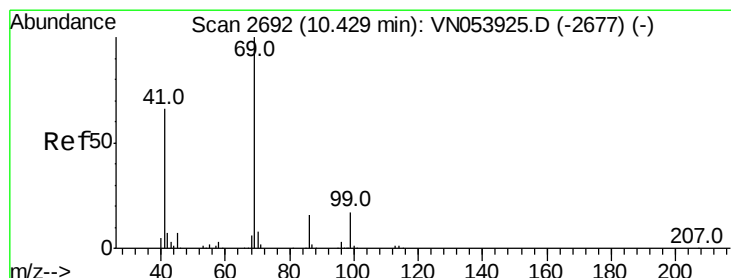
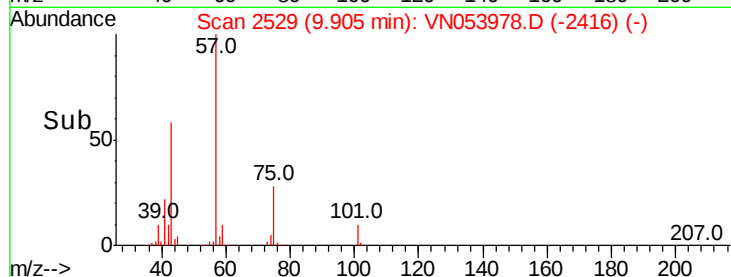
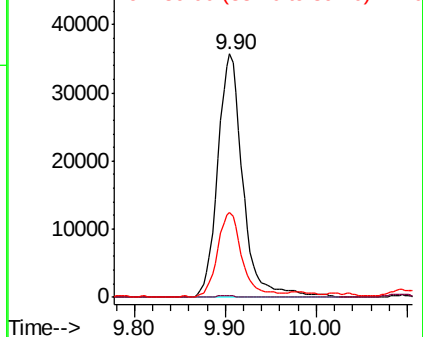
75 100

77 0.7 25.8 38.6#

39 34.6 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 2.092 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

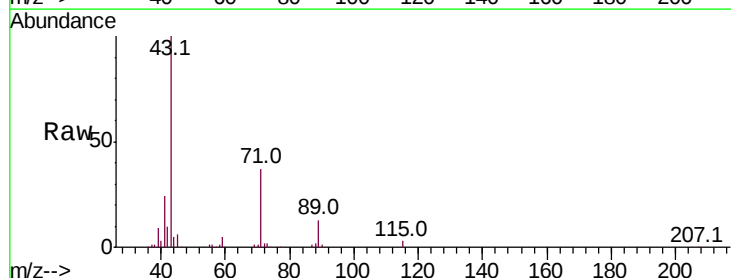
Tgt Ion: 69 Resp: 1308

Ion Ratio Lower Upper

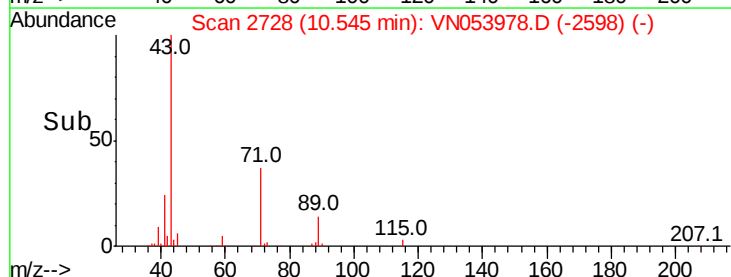
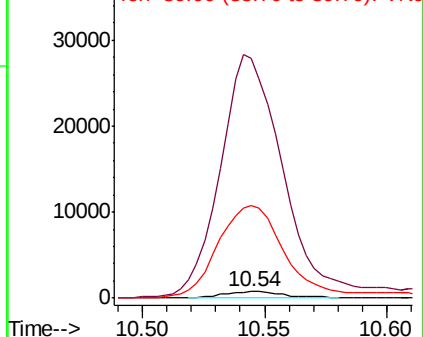
69 100

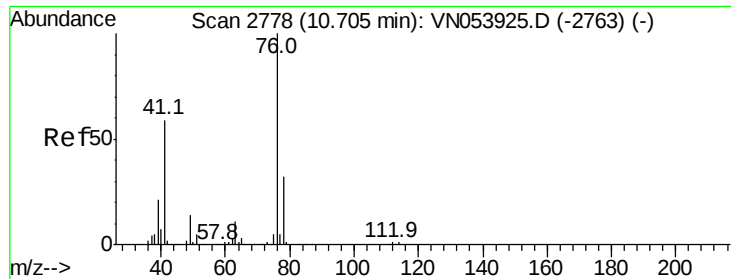
41 3958.7 47.5 71.3#

39 1572.9 23.4 35.0#



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

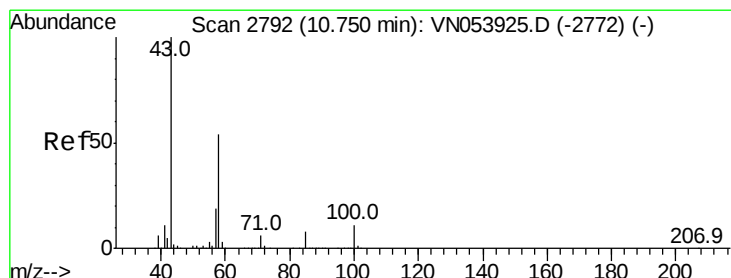
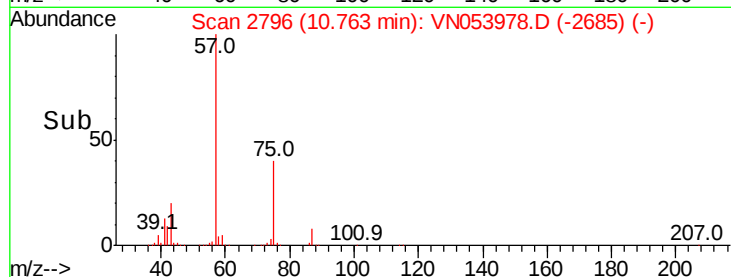
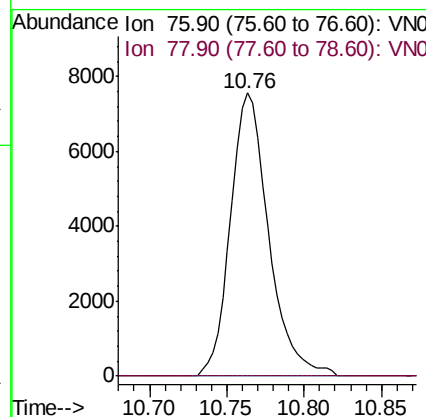
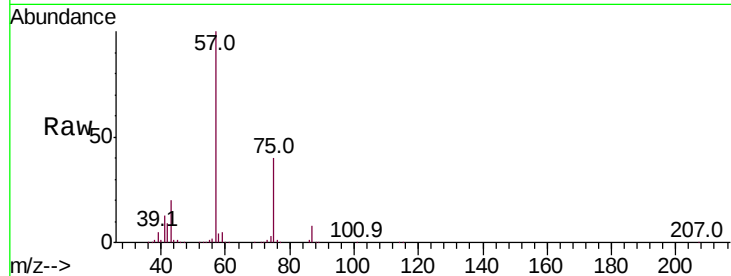




#57
 1,3-Dichloropropane
 Concen: 1.093 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

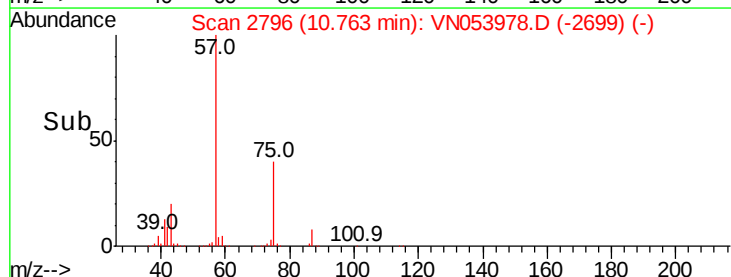
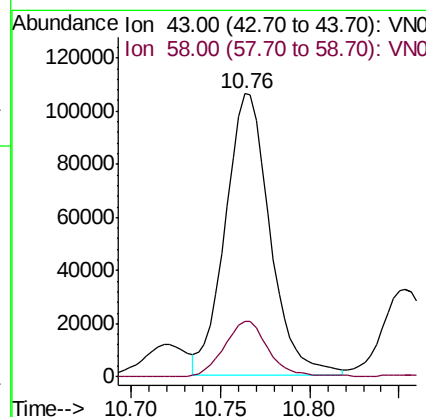
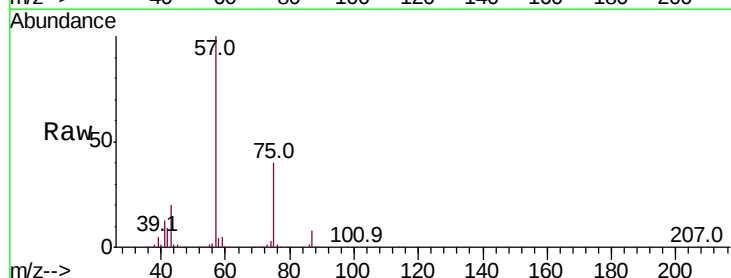
Instrument :
 MSVOA_N
 ClientSampleId :

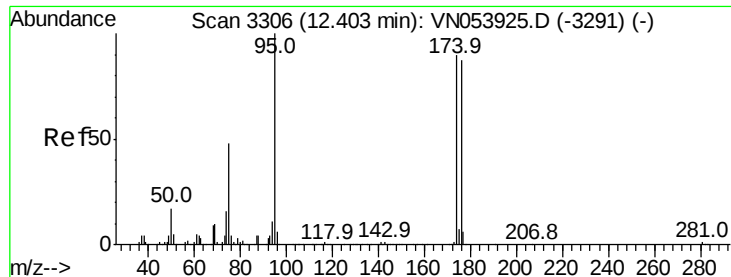
Tot Ion: 76 Resp: 12956
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 44.224 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion: 43 Resp: 184970
 Ion Ratio Lower Upper
 43 100
 58 19.7 29.1 87.4#





#62

4-Bromofluorobenzene

Concen: 53.343 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

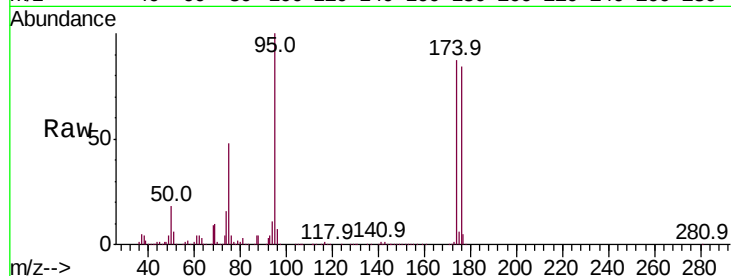
Tot Ion: 95 Resp: 477541

Ion Ratio Lower Upper

95 100

174 87.9 0.0 188.8

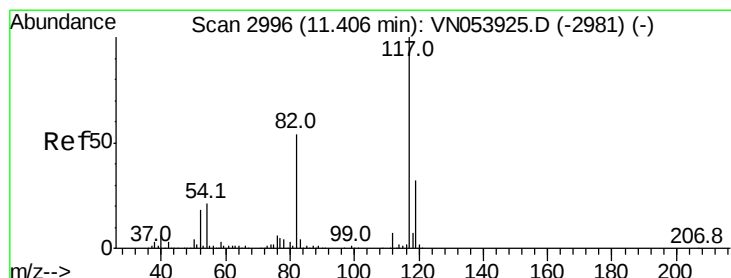
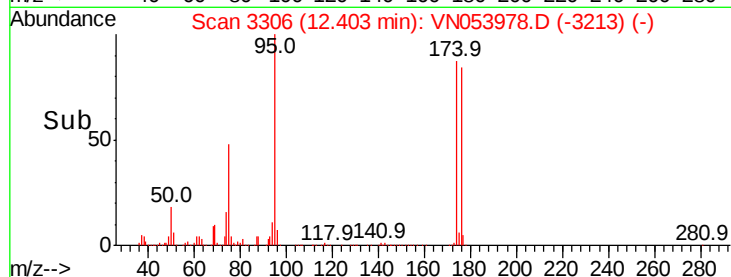
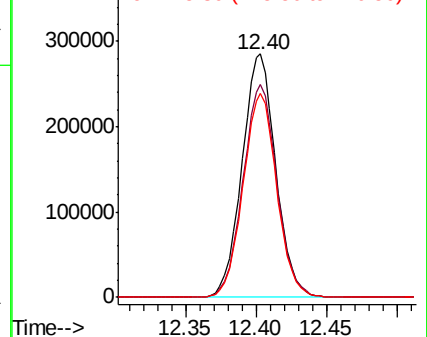
176 83.8 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

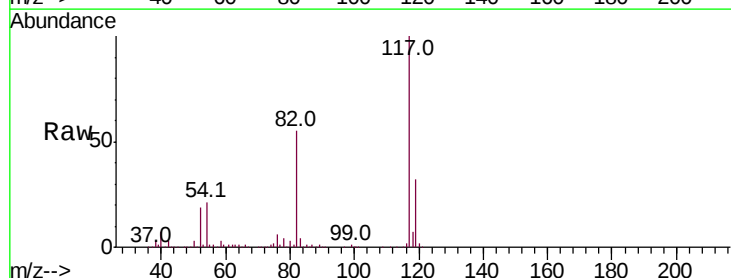
Tgt Ion: 117 Resp: 1091344

Ion Ratio Lower Upper

117 100

82 54.6 41.4 62.2

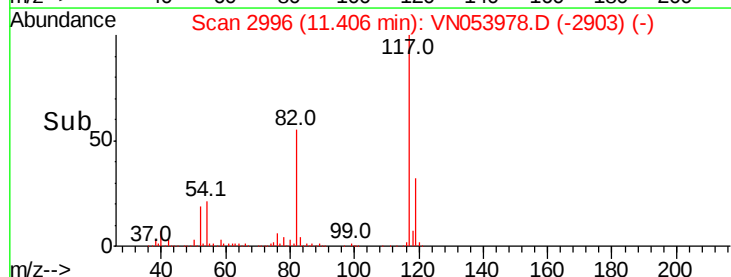
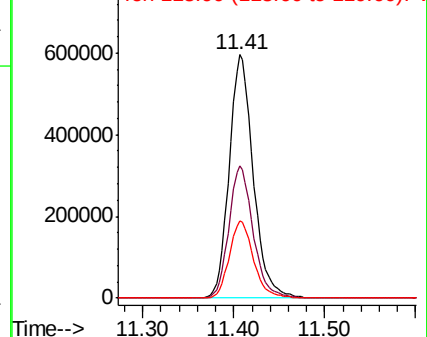
119 31.8 25.3 37.9

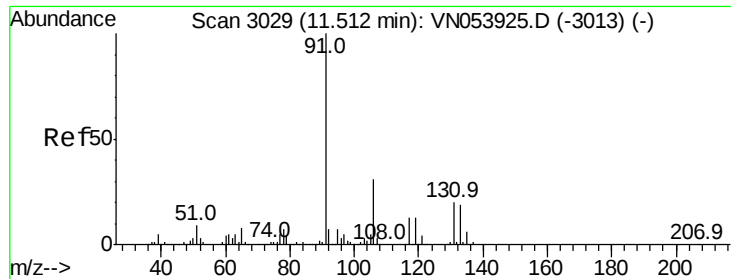


Abundance Ion 116.90 (116.60 to 117.60): VN053978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053978.D (-2981) (-)

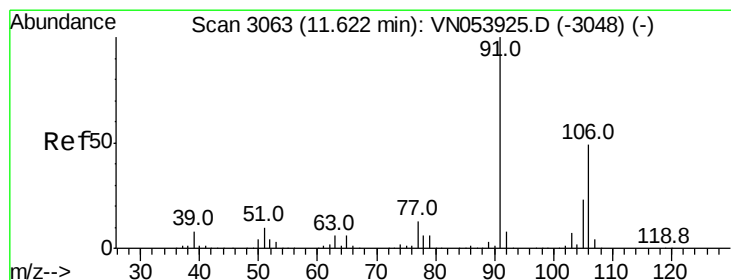
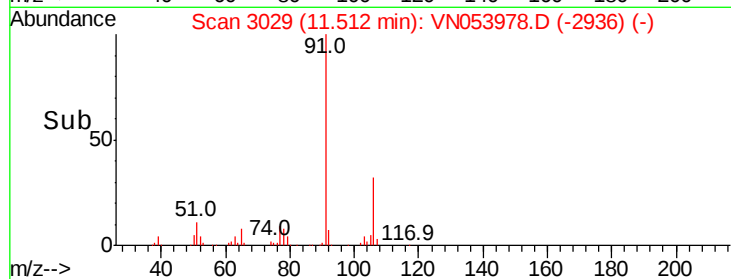
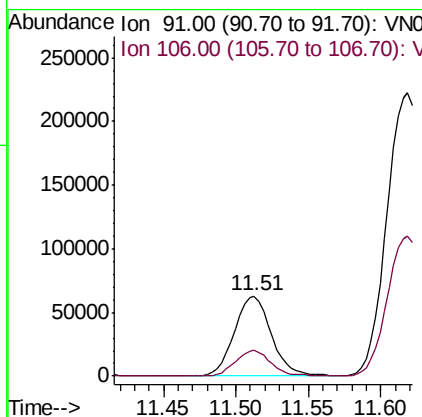
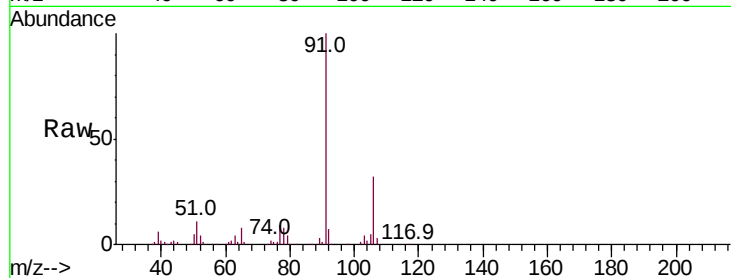




#67
Ethyl Benzene
Concen: 2.903 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

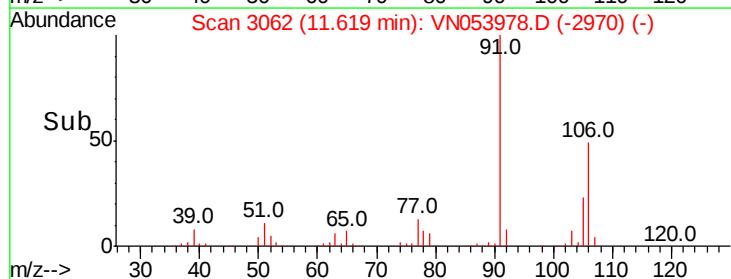
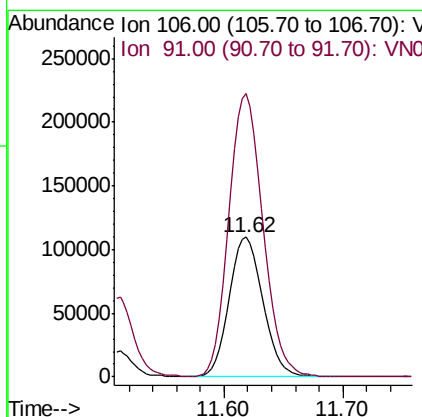
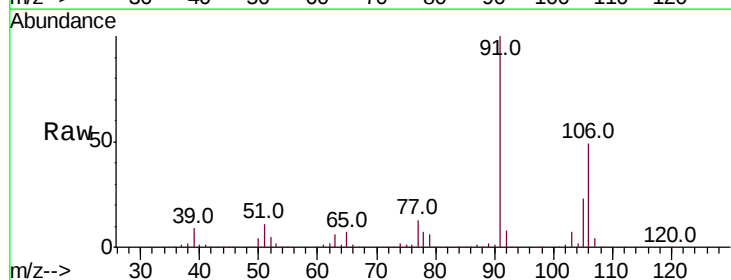
Instrument :
MSVOA_N
ClientSampled :

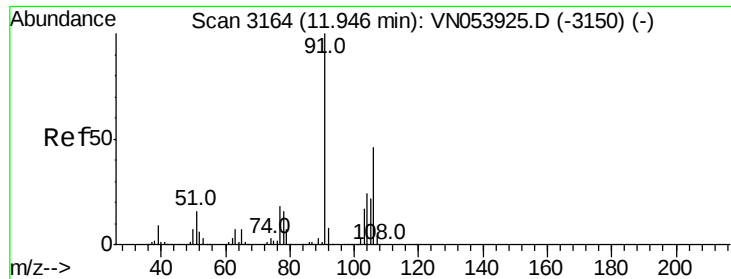
Tot Ion: 91 Resp: 112087
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8



#68
m/p-Xylenes
Concen: 14.870 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion: 106 Resp: 216702
Ion Ratio Lower Upper
106 100
91 204.3 158.9 238.3

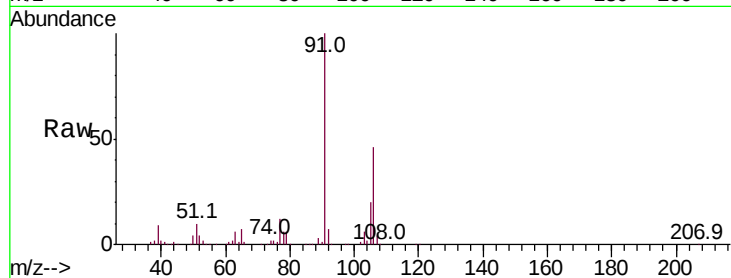




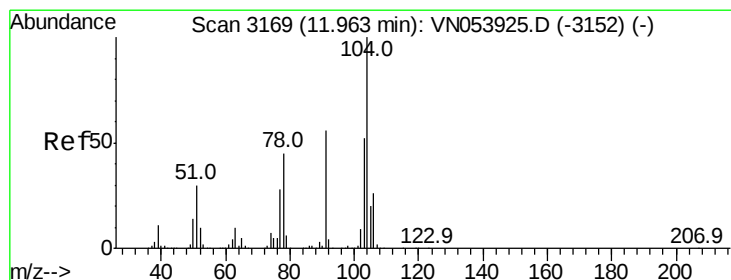
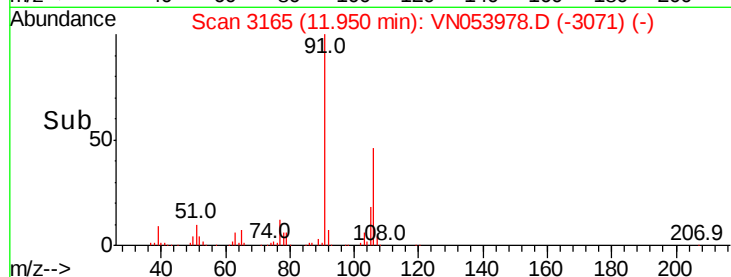
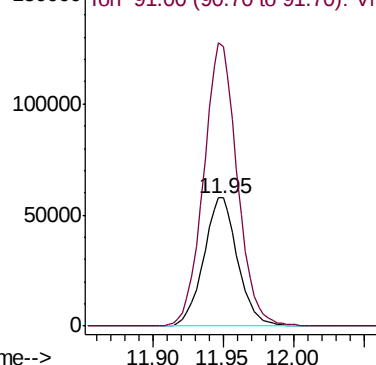
#69
o-Xylene
Concen: 6.787 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 97189
Ion Ratio Lower Upper
106 100
91 218.9 106.0 318.0

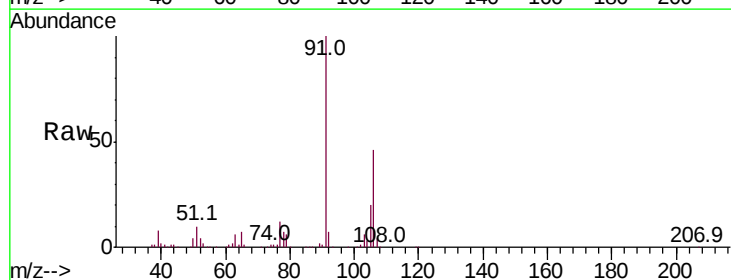


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

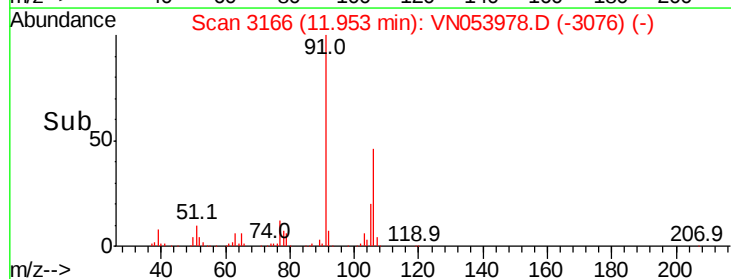
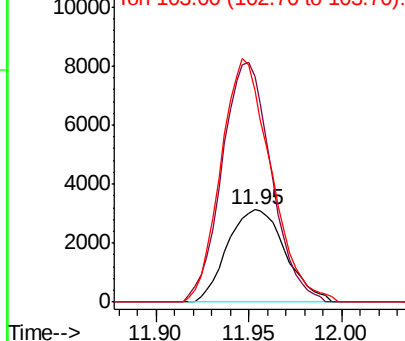


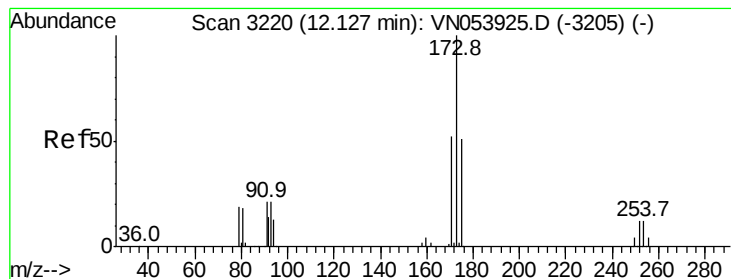
#70
Styrene
Concen: 0.308 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion:104 Resp: 6788
Ion Ratio Lower Upper
104 100
78 221.8 38.1 57.1#
103 229.1 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.608 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

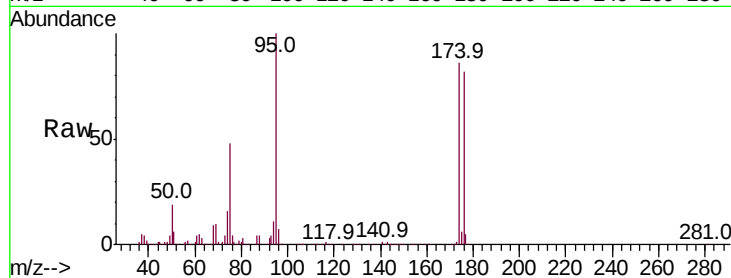
Tot Ion:173 Resp: 3512

Ion Ratio Lower Upper

173 100

175 750.7 24.3 72.8#

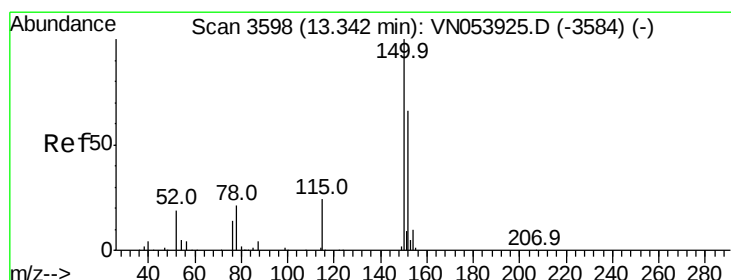
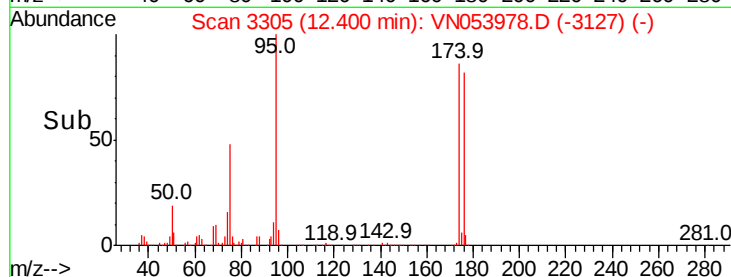
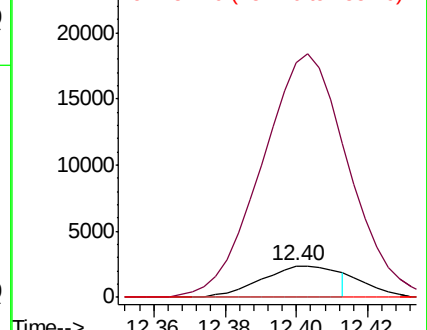
254 0.0 0.2 0.2#



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: VN053978.D

Acq: 27 Feb 2019 19:44

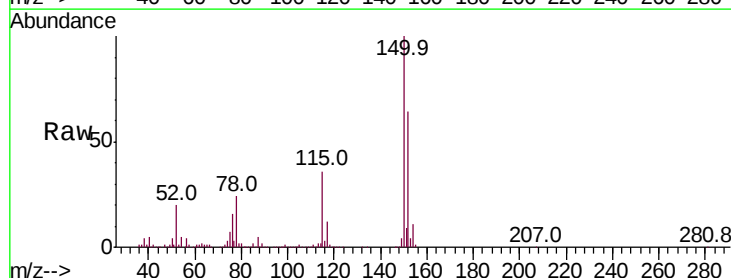
Tgt Ion:152 Resp: 427852

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

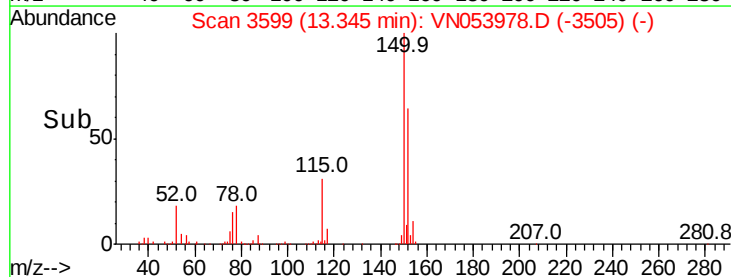
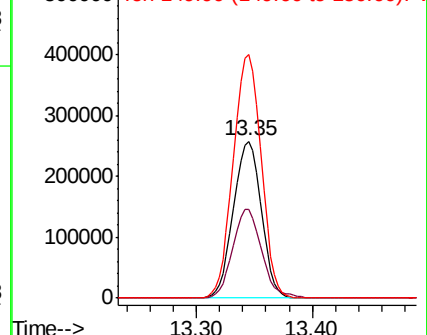
150 156.0 0.0 348.2

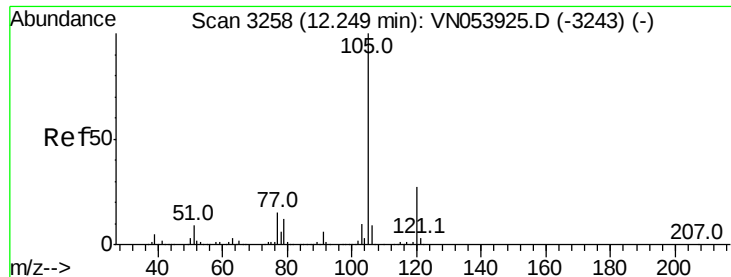


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.228 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

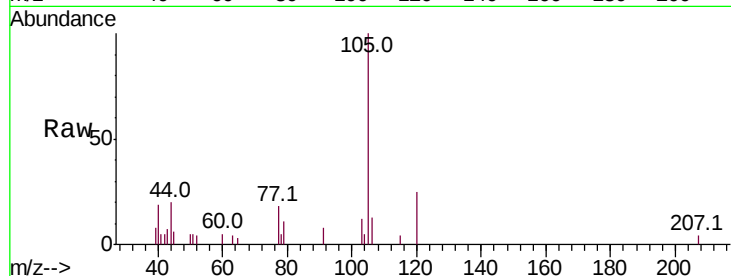
ClientSampled :

Tot Ion:105 Resp: 7602

Ion Ratio Lower Upper

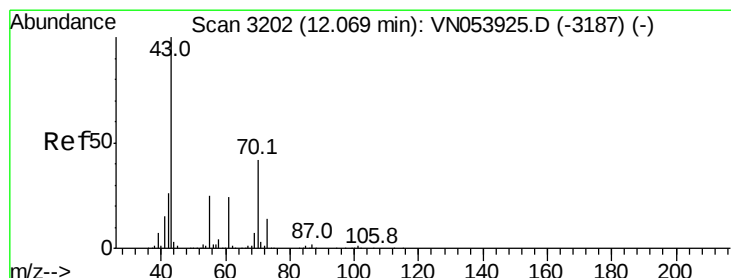
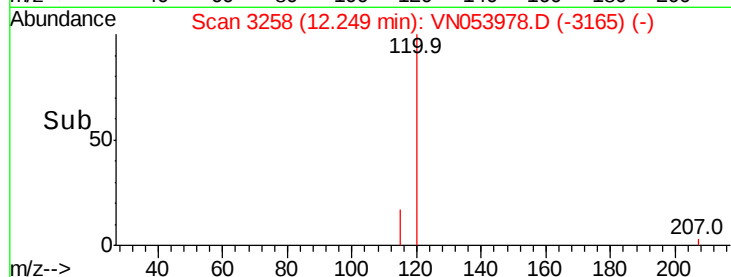
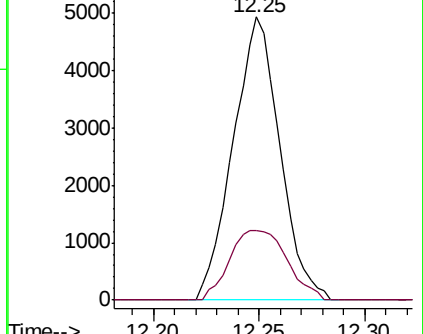
105 100

120 30.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.270 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Tgt Ion: 43 Resp: 19814

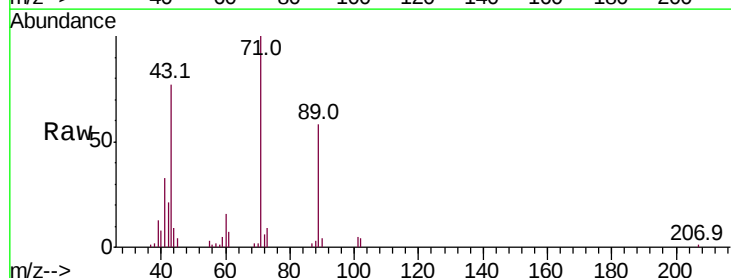
Ion Ratio Lower Upper

43 100

70 2.0 37.4 56.2#

55 4.6 21.4 32.0#

61 9.9 20.9 31.3#

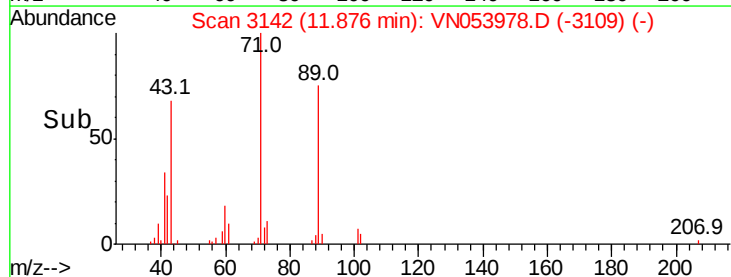
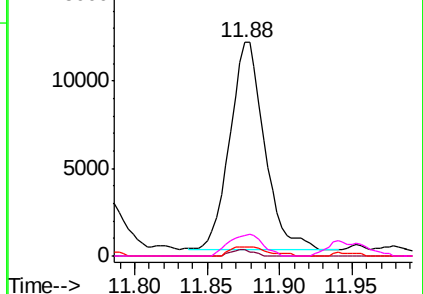


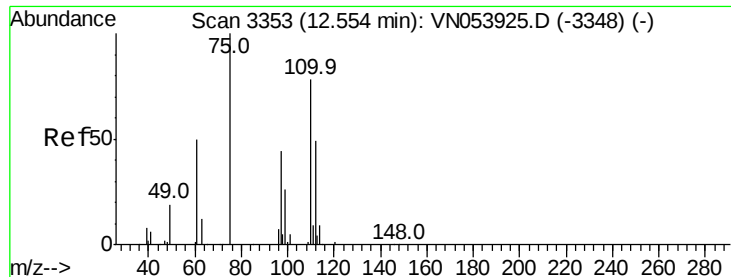
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 34.096 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

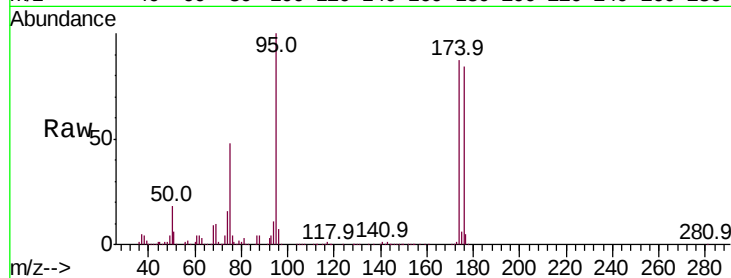
ClientSampled :

Tot Ion: 75 Resp: 234015

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

12.40

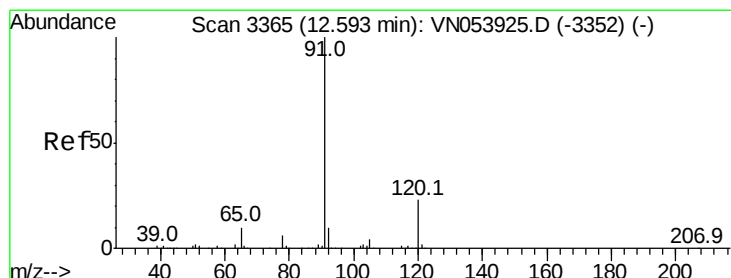
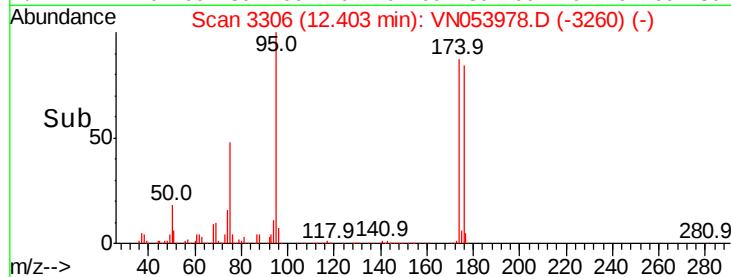
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 1.197 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053978.D

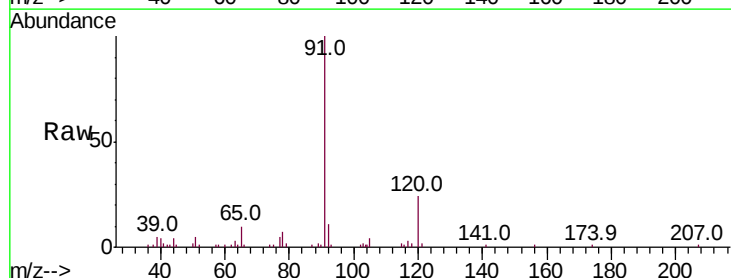
Acq: 27 Feb 2019 19:44

Tgt Ion: 91 Resp: 45357

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

50000

40000

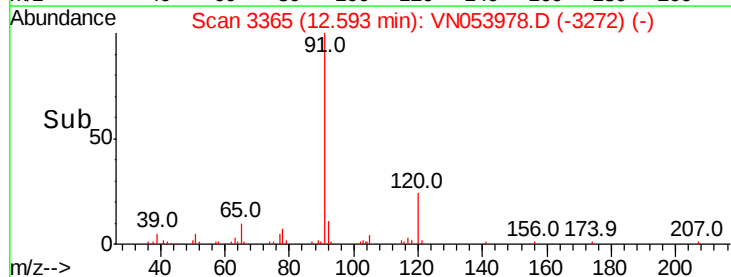
30000

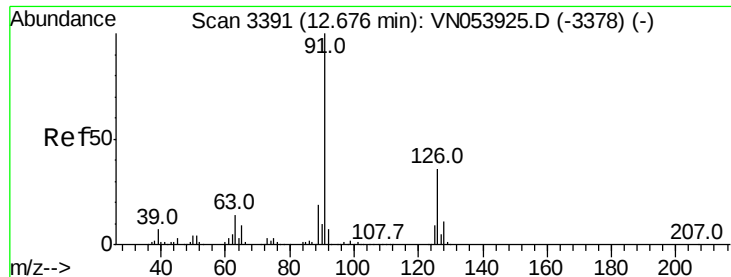
20000

10000

0

Time--> 12.55 12.60





#79

2-Chlorotoluene

Concen: 1.297 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

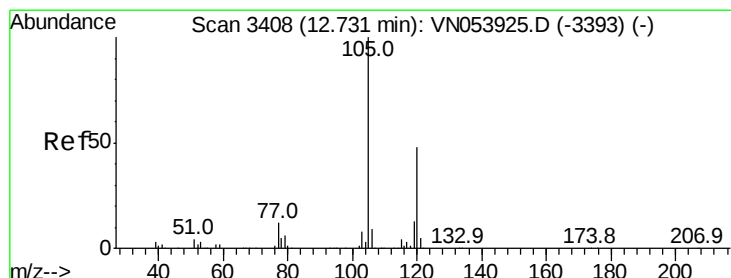
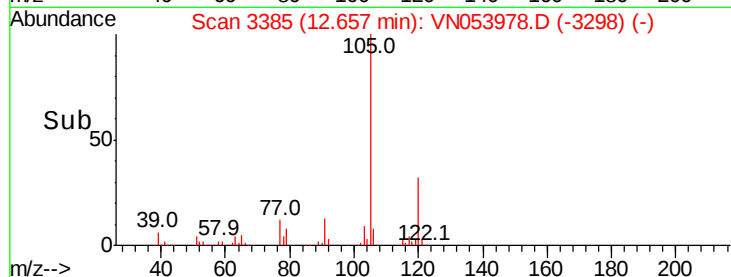
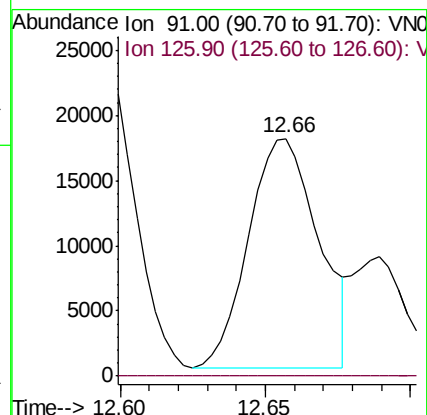
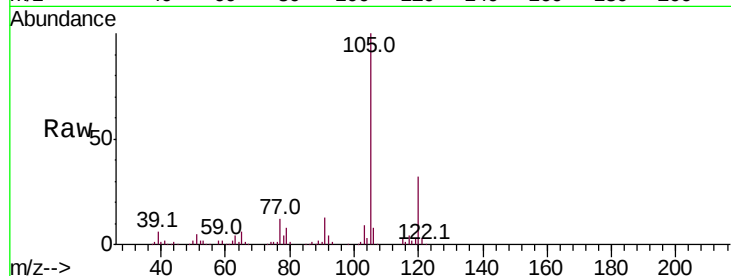
ClientSampled :

Tot Ion: 91 Resp: 29502

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 6.038 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053978.D

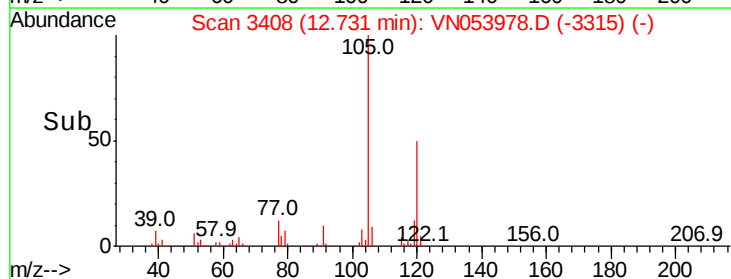
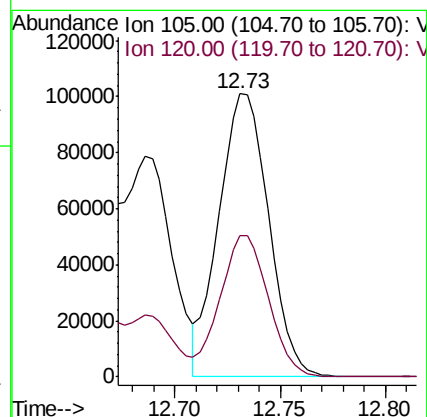
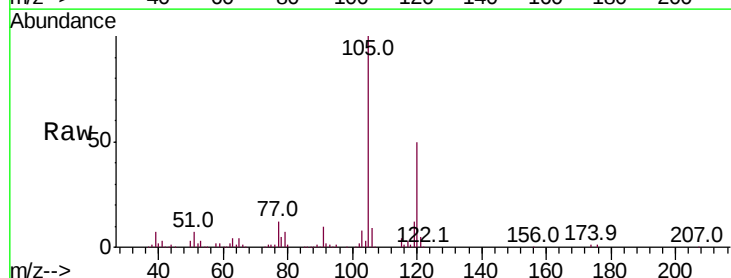
Acq: 27 Feb 2019 19:44

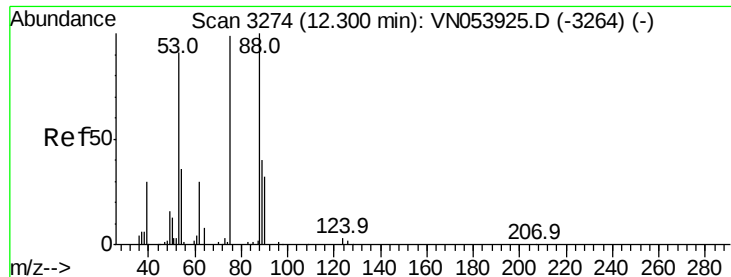
Tgt Ion:105 Resp: 164624

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 107.763 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

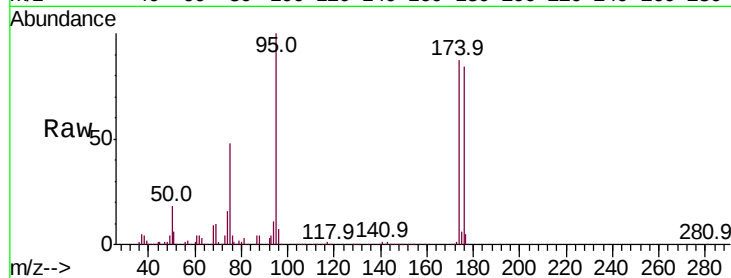
Tot Ion: 75 Resp: 234015

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

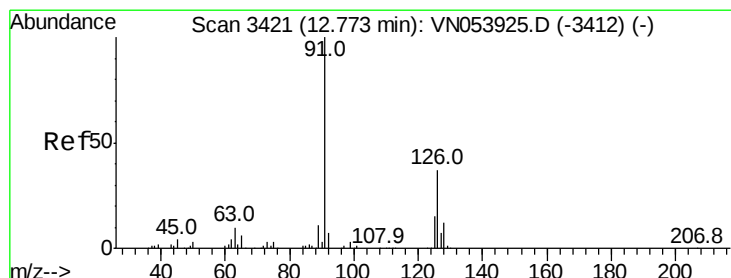
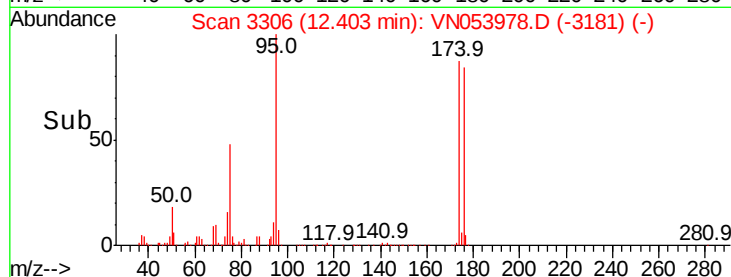
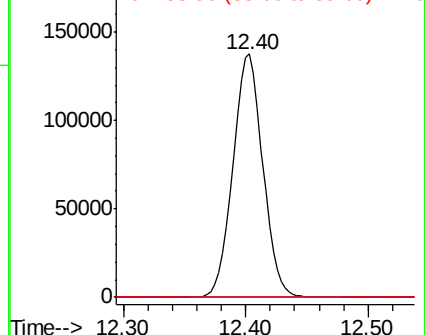
89 0.0 35.3 52.9#



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



#82

4-Chlorotoluene

Concen: 0.793 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053978.D

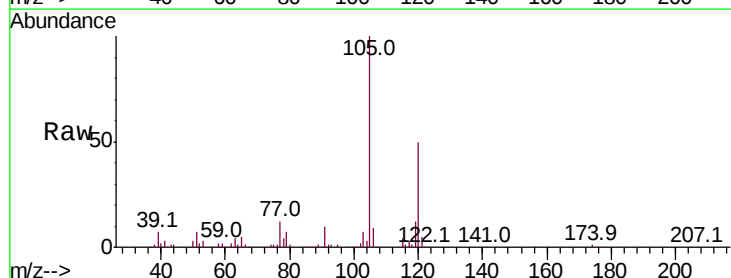
Acq: 27 Feb 2019 19:44

Tgt Ion: 91 Resp: 17844

Ion Ratio Lower Upper

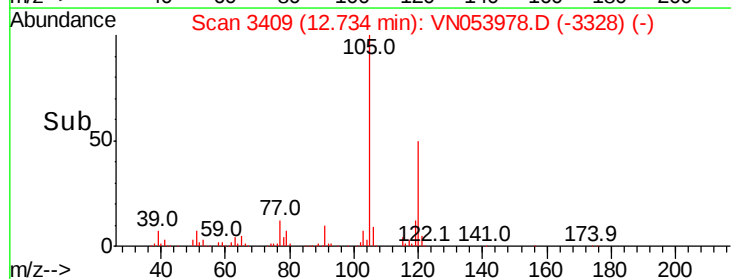
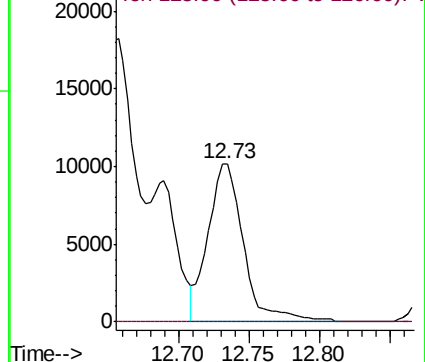
91 100

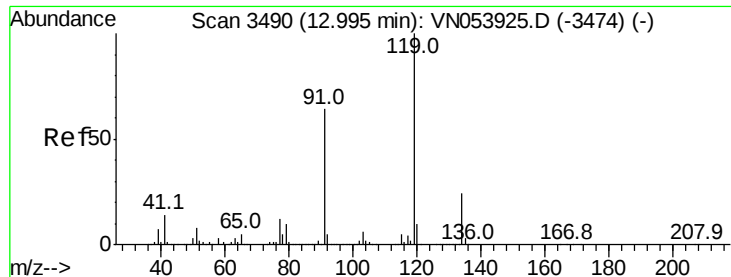
126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

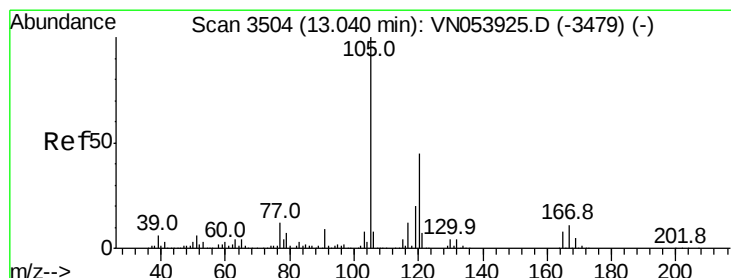
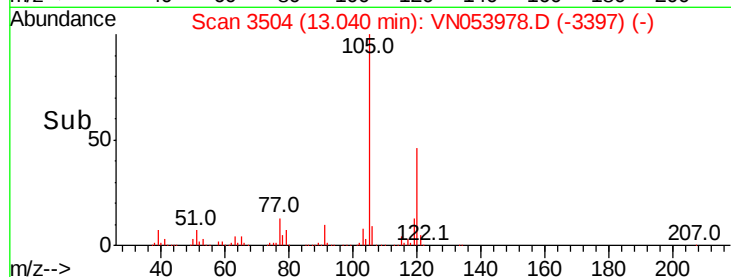
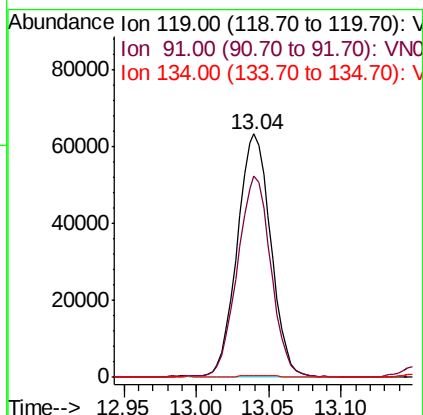
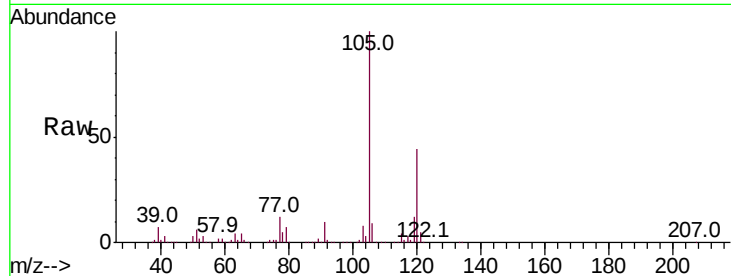




#83
 tert-Butylbenzene
 Concen: 4.236 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

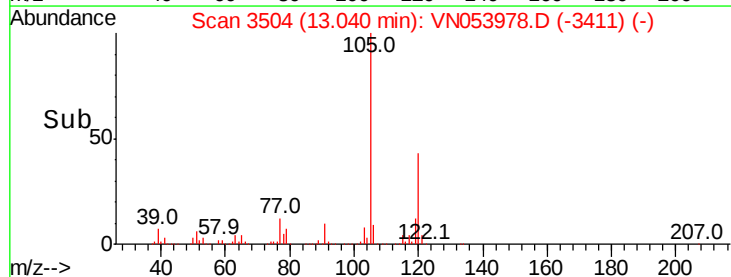
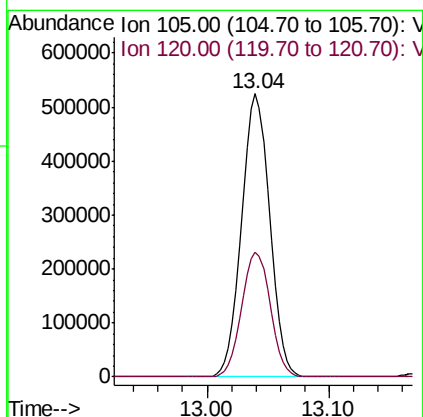
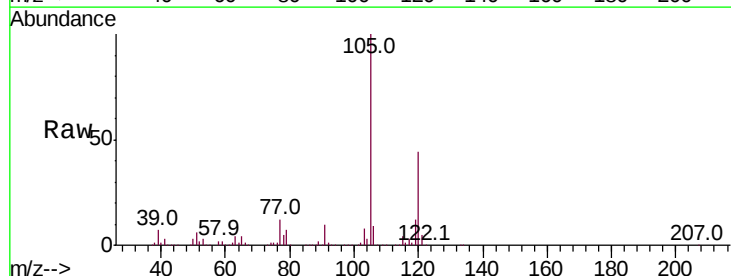
Instrument :
 MSVOA_N
 ClientSampleId :

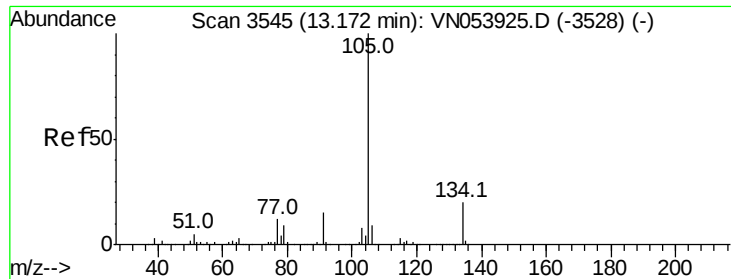
Tot Ion:119 Resp: 102152
 Ion Ratio Lower Upper
 119 100
 91 82.1 30.6 91.8
 134 0.5 13.0 39.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 30.536 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion:105 Resp: 831221
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 25.237 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

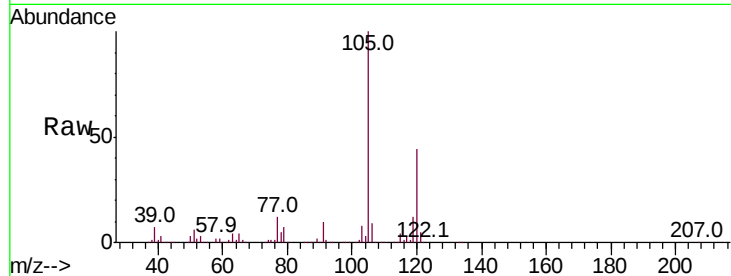
ClientSampleId :

Tot Ion:105 Resp: 831221

Ion Ratio Lower Upper

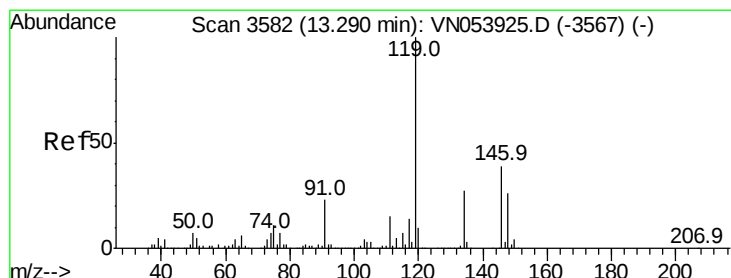
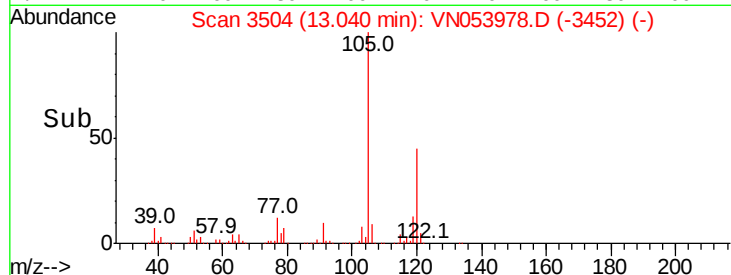
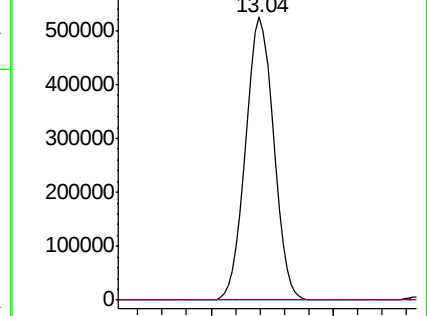
105 100

134 0.1 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.358 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

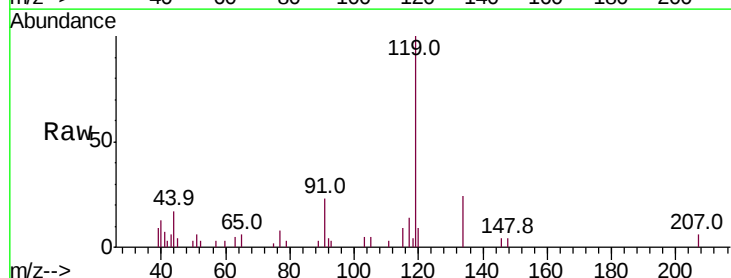
Tgt Ion:119 Resp: 9960

Ion Ratio Lower Upper

119 100

134 25.7 13.5 40.4

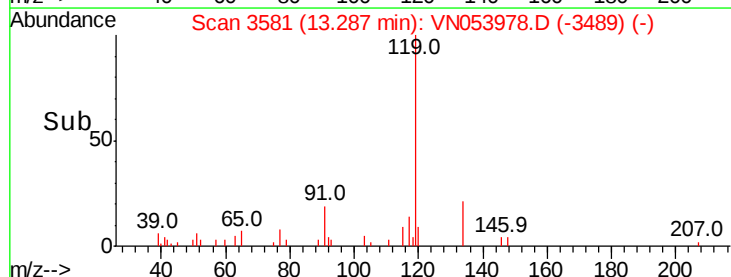
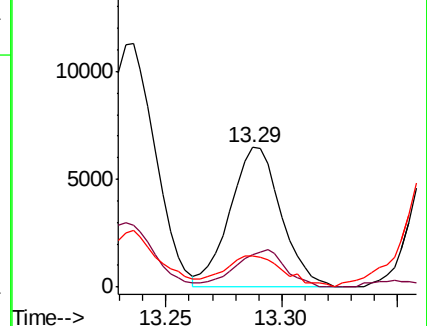
91 25.9 10.9 32.6

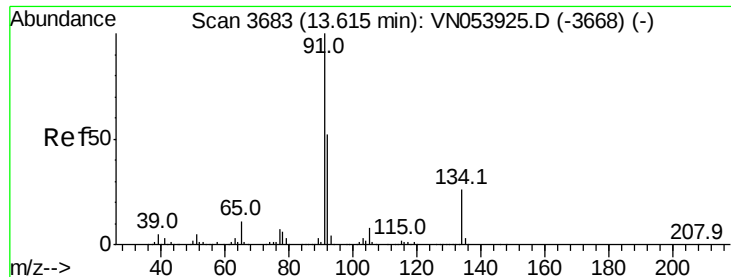


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.205 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

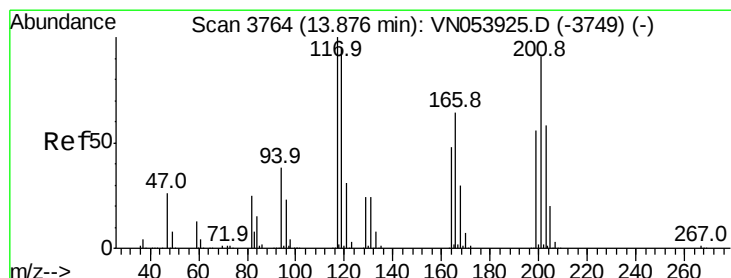
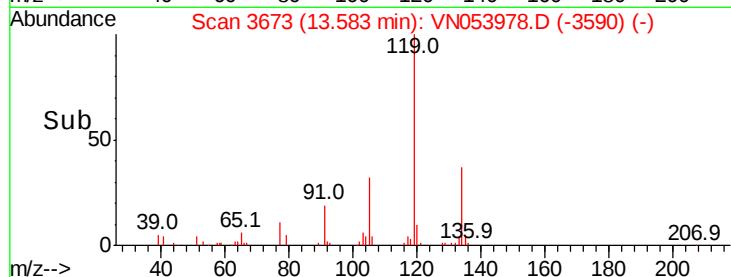
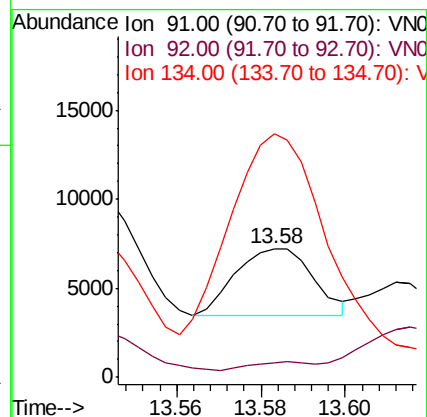
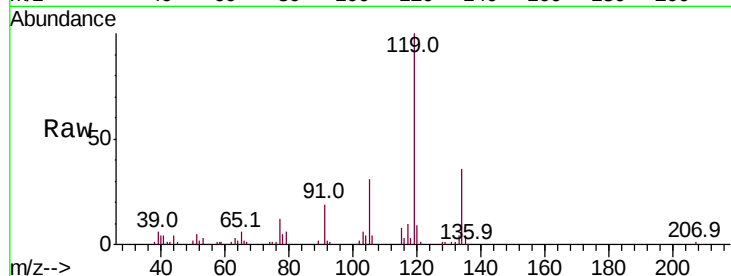
Tot Ion: 91 Resp: 4800

Ion Ratio Lower Upper

91 100

92 20.6 26.1 78.2#

134 522.2 13.6 40.8#



#90

Hexachloroethane

Concen: 0.878 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053978.D

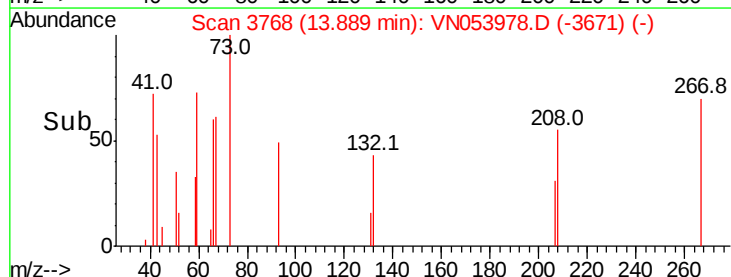
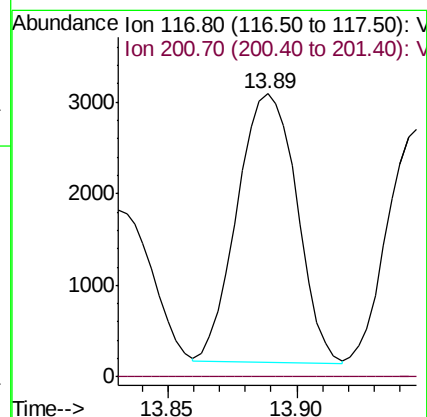
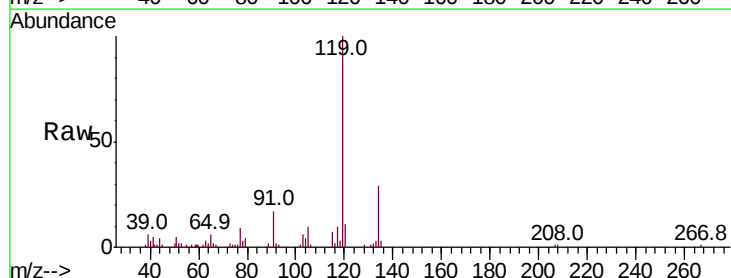
Acq: 27 Feb 2019 19:44

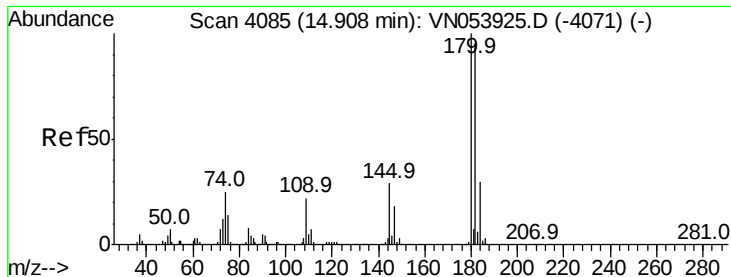
Tgt Ion: 117 Resp: 4736

Ion Ratio Lower Upper

117 100

201 0.0 48.0 144.2#

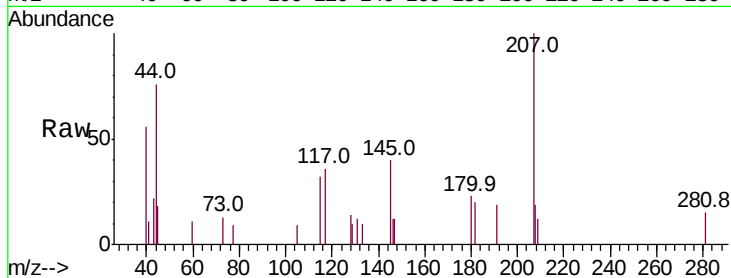




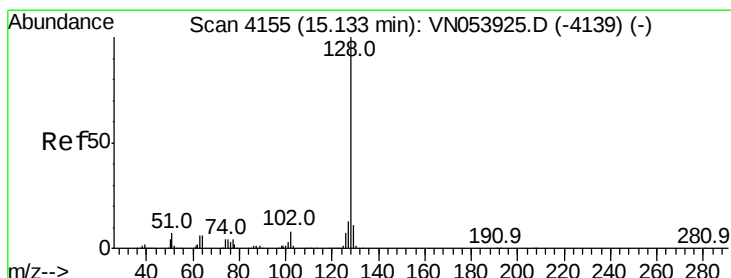
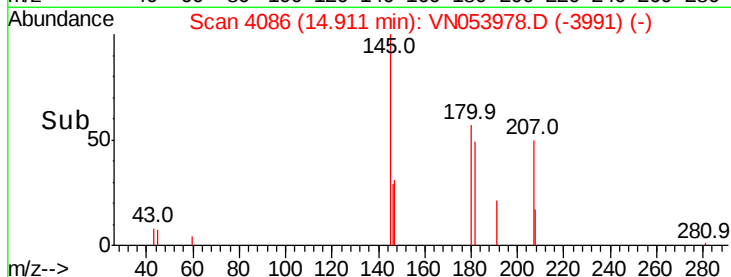
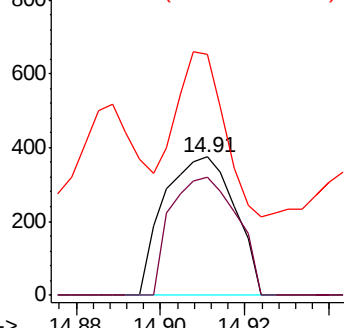
#93
 1,2,4-Trichlorobenzene
 Concen: 2.276 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 436
 Ion Ratio Lower Upper
 180 100
 182 79.8 48.6 145.9
 145 157.8 13.8 41.3#

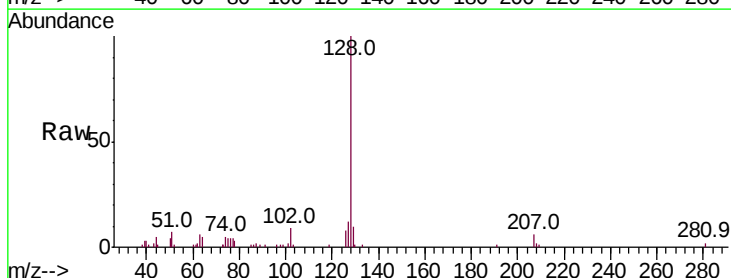


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

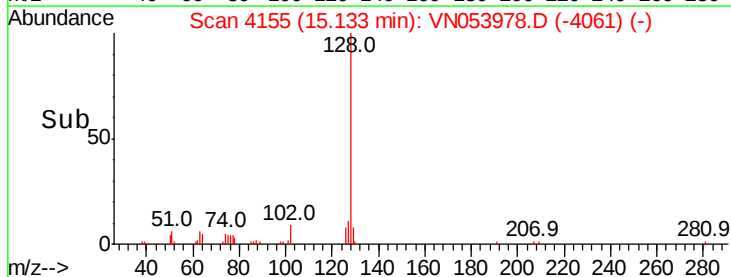
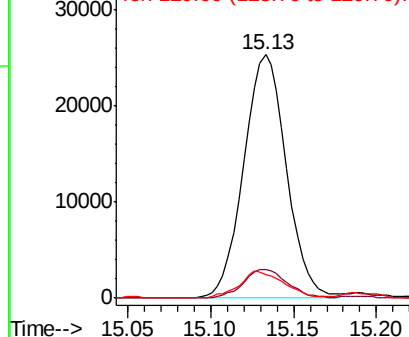


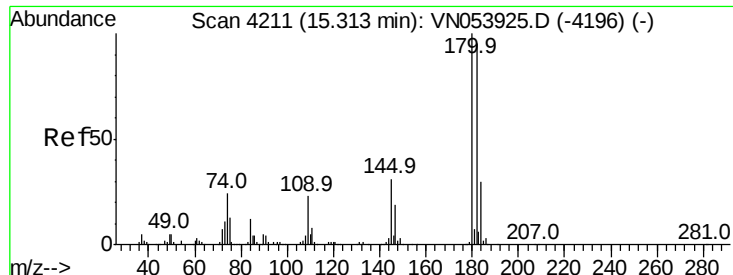
#95
 Naphthalene
 Concen: 5.711 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion:128 Resp: 45238
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.2 15.2
 129 11.5 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

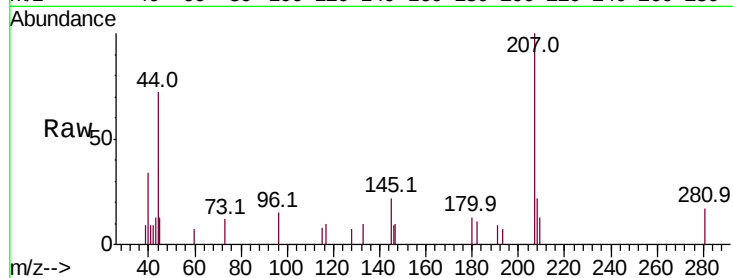




#96
 1,2,3-Trichlorobenzene
 Concen: 1.599 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	117.2	47.3	141.8
145	243.9	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

