

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053895.D
 Acq On : 21 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1538-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

Quant Time: Feb 22 00:38:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1036735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1005692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	404429	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	329414	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.59	113	328177	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.09	98	1275146	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	426022	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	784	1.976	ug/l #	73
14) Allyl chloride	4.56	41	7088	0.812	ug/l #	27
16) Acetone	3.82	43	21311	12.193	ug/l	98
18) Methyl Acetate	4.34	43	3520	0.853	ug/l #	63
20) Methylene Chloride	4.56	84	163399	24.971	ug/l	99
25) 2-Butanone	6.85	43	4119	1.826	ug/l #	82
29) Tetrahydrofuran	7.22	42	1817	1.246	ug/l #	66
31) Cyclohexane	7.66	56	8947	0.352	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	35361	3.721	ug/l #	46
37) Ethyl Acetate	6.96	43	324	0.275	ug/l #	67
38) Carbon Tetrachloride	7.67	117	49485	5.213	ug/l #	17
43) Isopropyl Acetate	8.30	43	226837	22.379	ug/l #	58
48) Methyl methacrylate	9.18	41	7997	1.840	ug/l #	22
51) 4-Methyl-2-Pentanone	10.02	43	7418	7.908	ug/l #	34
52) Toluene	10.16	92	36694	2.204	ug/l	100
54) cis-1,3-Dichloropropene	9.90	75	61220	5.871	ug/l #	64
56) Ethyl methacrylate	10.54	69	1277	2.621	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	11497	1.122	ug/l #	43
59) 2-Hexanone	10.76	43	147825	46.484	ug/l #	50
67) Ethyl Benzene	11.51	91	45771	1.344	ug/l	99
68) m/p-Xylenes	11.62	106	78853	5.978	ug/l	96
69) o-Xylene	11.95	106	31337	2.468	ug/l	99
71) Bromoform	12.40	173	2982	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	195545	32.936	ug/l #	100
78) n-propylbenzene	12.59	91	27099	0.851	ug/l	98
79) 2-Chlorotoluene	12.66	91	15411	0.802	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	57915	2.449	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	195545	108.733	ug/l #	15
82) 4-Chlorotoluene	12.73	91	6082	0.318	ug/l #	39
83) tert-Butylbenzene	13.04	119	23869	1.124	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.04	105	180824	7.623	ug/l	98
85) sec-Butylbenzene	13.04	105	180824	6.324	ug/l #	56
90) Hexachloroethane	13.89	117	2441	0.515	ug/l #	2
95) Naphthalene	15.13	128	28399	6.219	ug/l	97

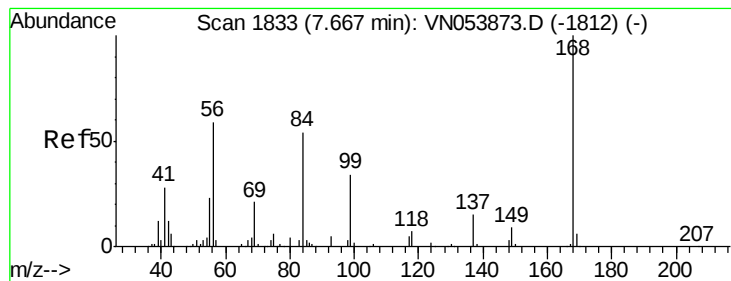
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	66	2.572	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: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

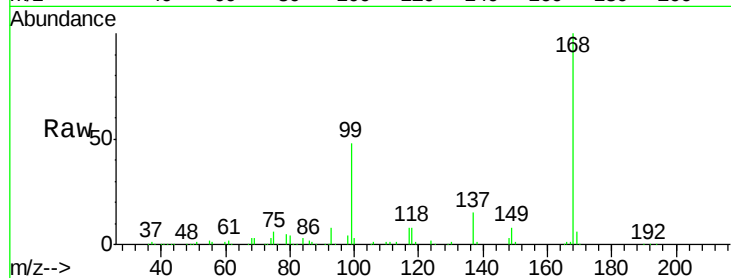
M-11-A-D

Tot Ion:168 Resp: 621847

Ion Ratio Lower Upper

168 100

99 48.3 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

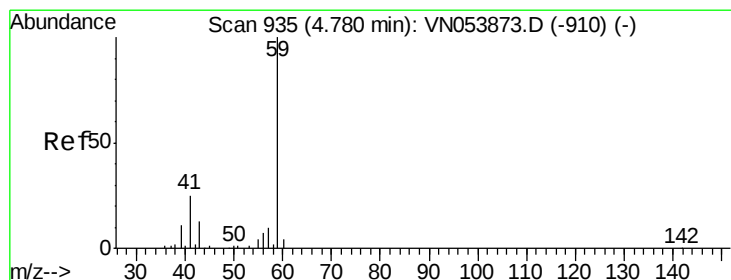
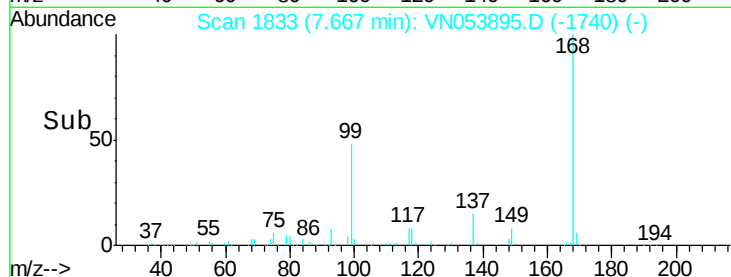
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 1.976 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN053895.D

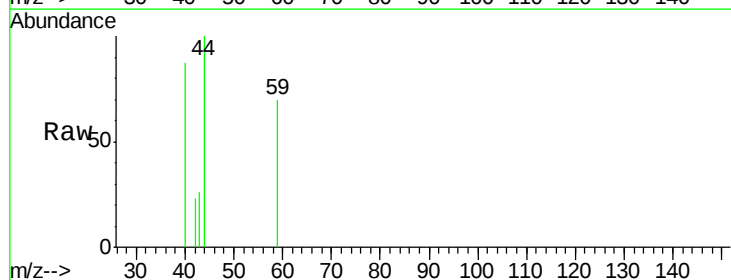
Acq: 21 Feb 2019 16:30

Tgt Ion: 59 Resp: 784

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

500

400

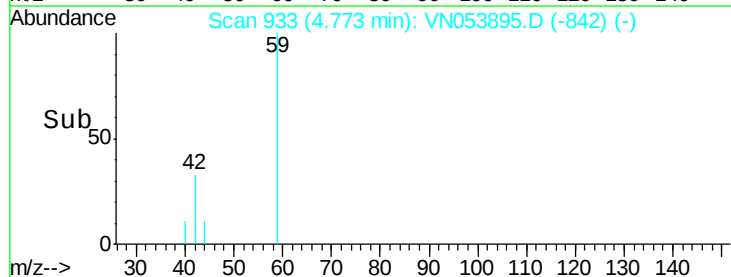
300

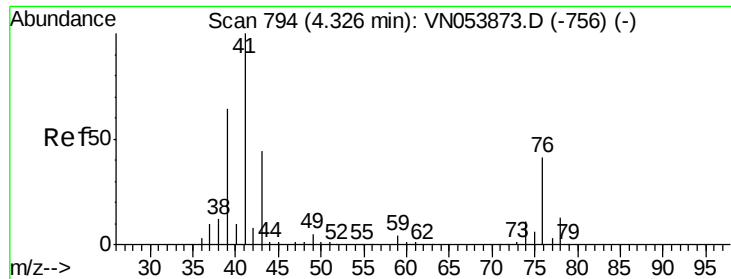
200

100

0

Time--> 4.74 4.76 4.78 4.80

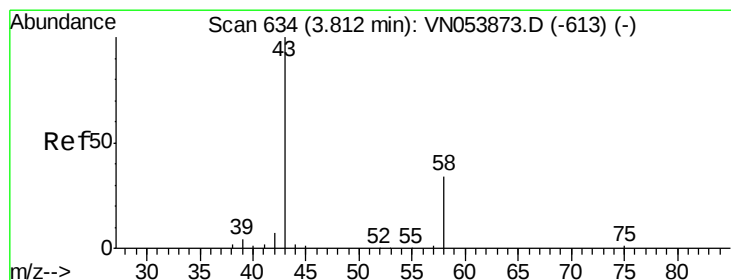
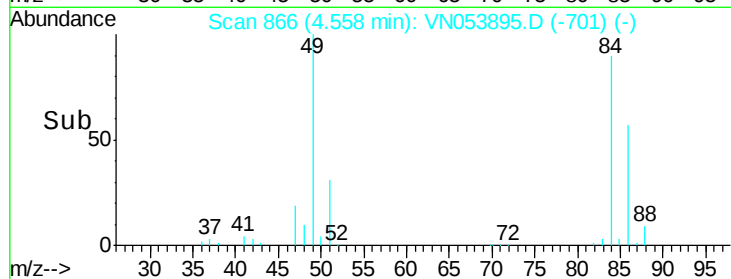
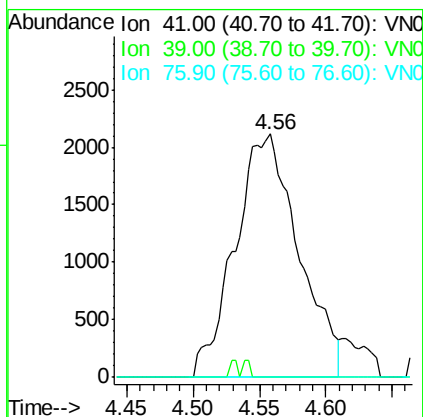
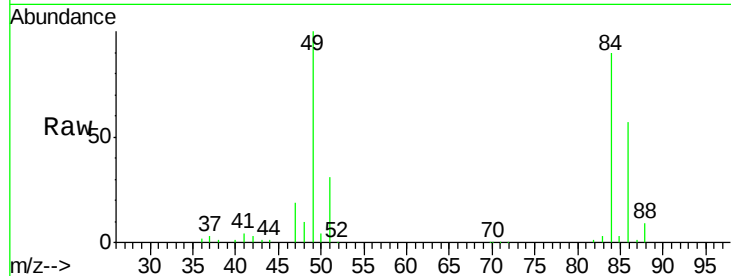




#14
Allvl chloride
Concen: 0.812 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.23 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

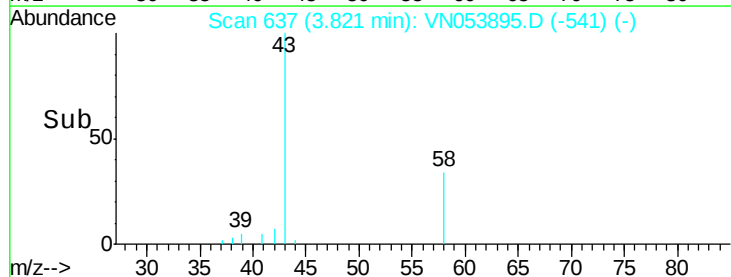
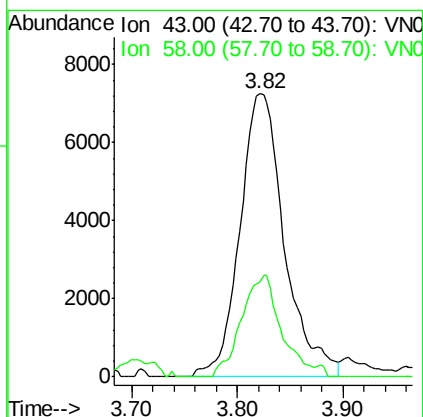
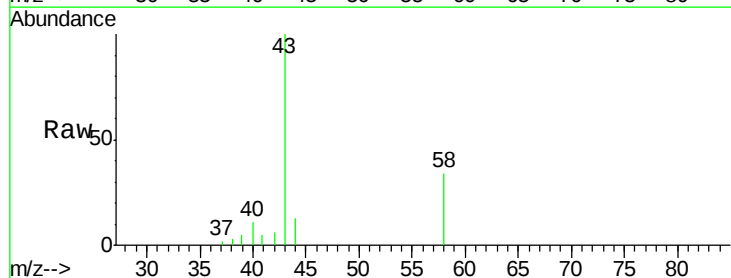
Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

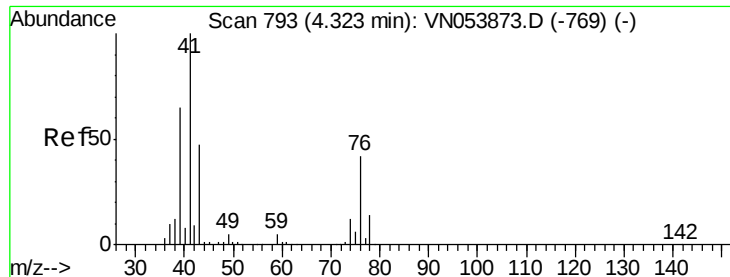
Tot Ion: 41 Resp: 7088
Ion Ratio Lower Upper
41 100
39 0.8 48.8 73.2#
76 0.0 30.9 46.3#



#16
Acetone
Concen: 12.193 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 43 Resp: 21311
Ion Ratio Lower Upper
43 100
58 33.5 27.6 41.4





#18

Methyl Acetate

Concen: 0.853 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

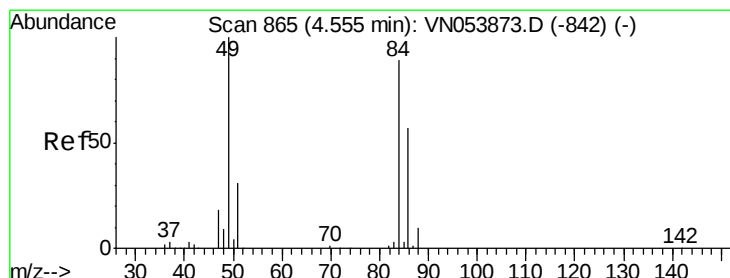
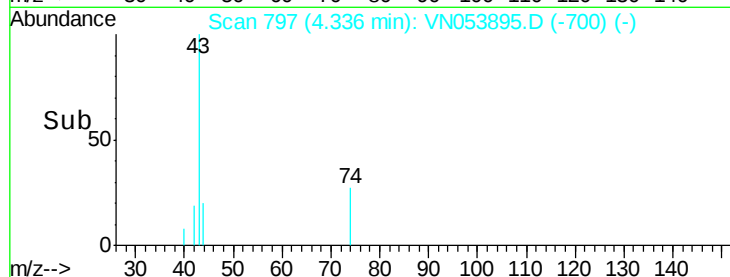
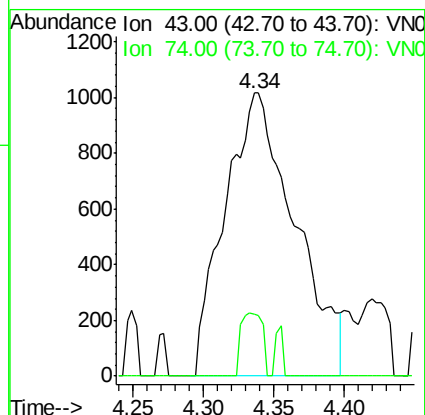
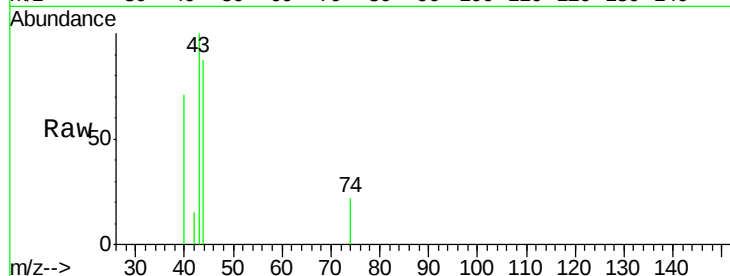
M-11-A-D

Tot Ion: 43 Resp: 3520

Ion Ratio Lower Upper

43 100

74 6.9 20.5 30.7#



#20

Methylene Chloride

Concen: 24.971 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Tgt Ion: 84 Resp: 163399

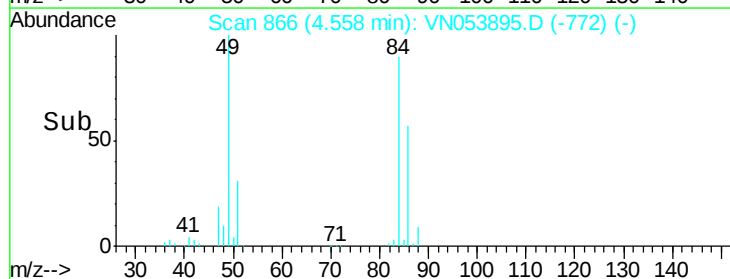
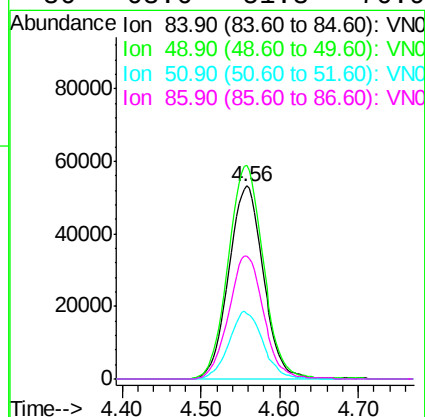
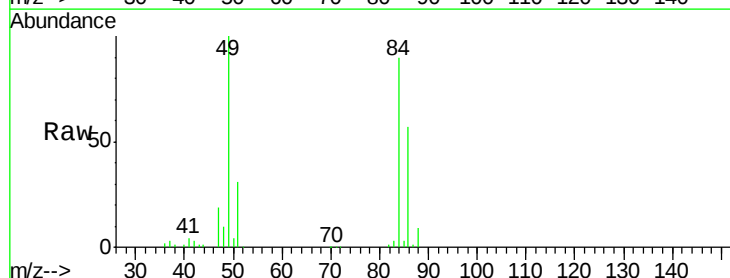
Ion Ratio Lower Upper

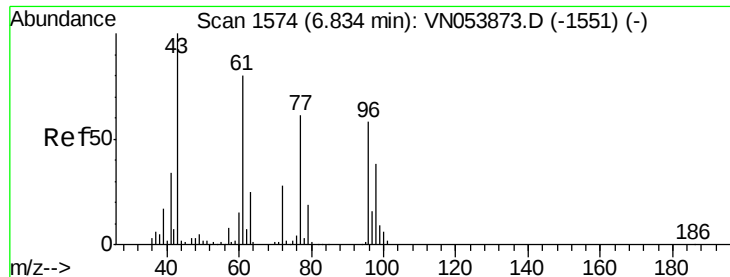
84 100

49 110.5 89.7 134.5

51 34.2 27.8 41.8

86 63.6 51.3 76.9





#25

2-Butanone

Concen: 1.826 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

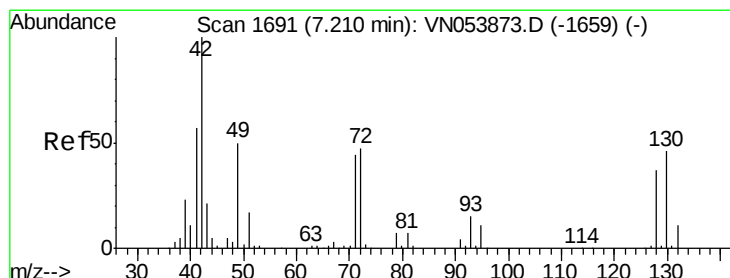
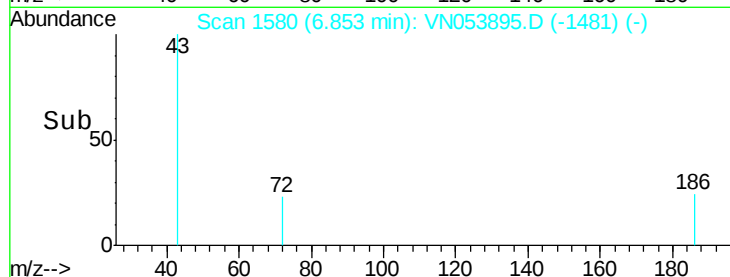
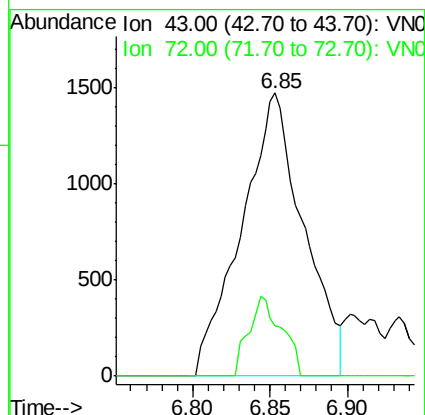
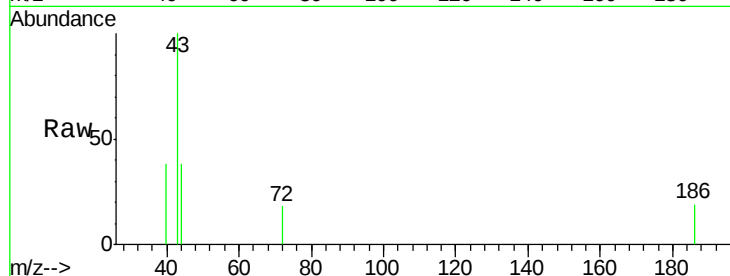
M-11-A-D

Tot Ion: 43 Resp: 4119

Ion Ratio Lower Upper

43 100

72 18.0 22.1 33.1#



#29

Tetrahydrofuran

Concen: 1.246 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

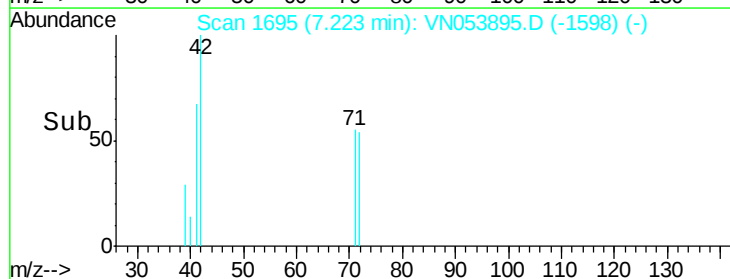
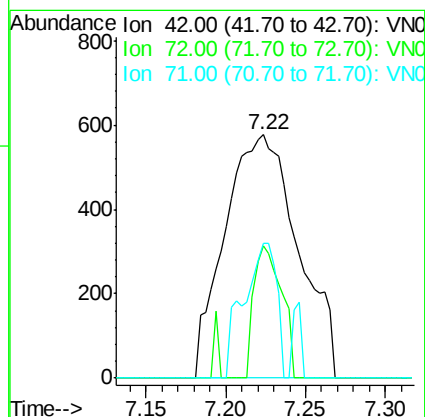
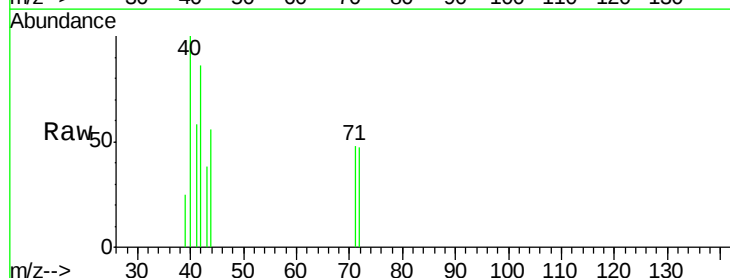
Tgt Ion: 42 Resp: 1817

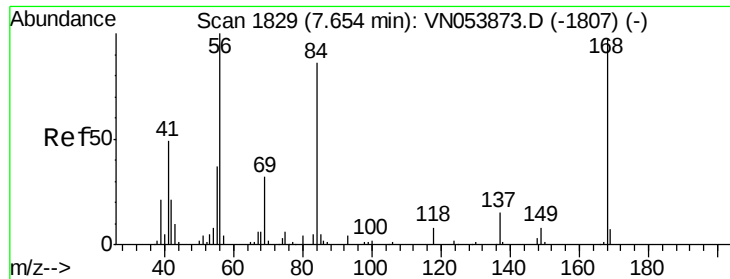
Ion Ratio Lower Upper

42 100

72 20.3 36.9 55.3#

71 24.7 34.6 52.0#





#31

Cyclohexane

Concen: 0.352 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

M-11-A-D

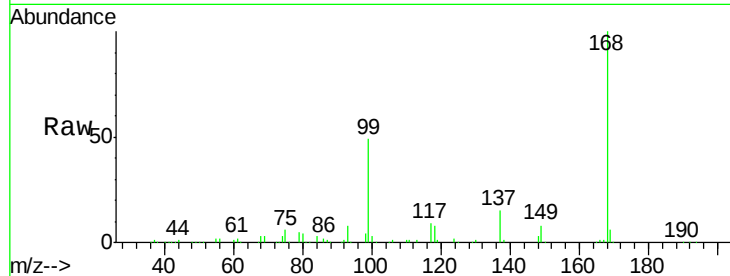
Tot Ion: 56 Resp: 8947

Ion Ratio Lower Upper

56 100

69 214.4 26.0 39.0#

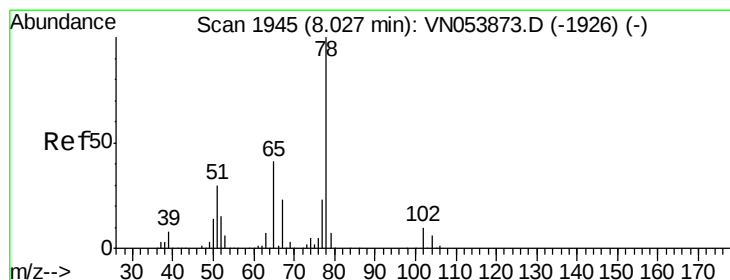
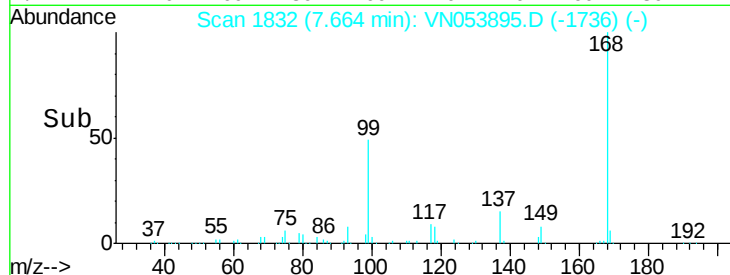
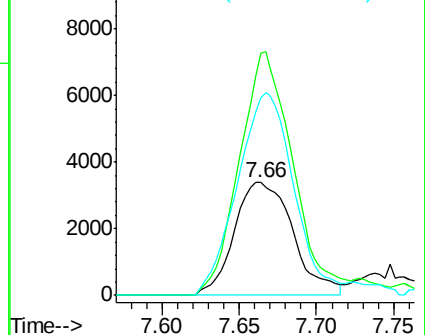
84 175.2 69.1 103.7#



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: 51.834 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053895.D

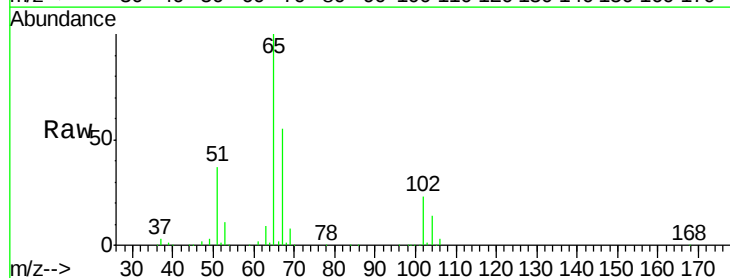
Acq: 21 Feb 2019 16:30

Tgt Ion: 65 Resp: 329414

Ion Ratio Lower Upper

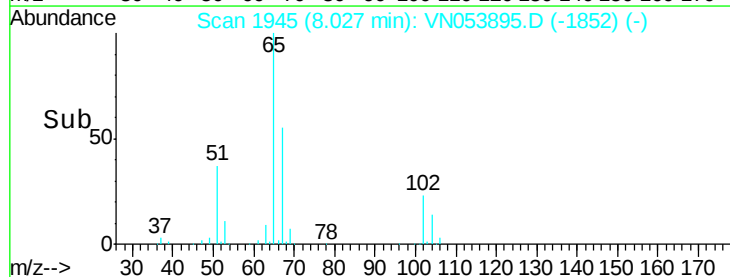
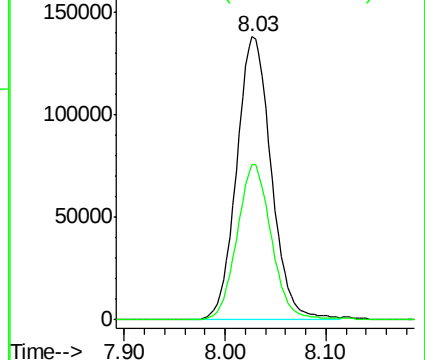
65 100

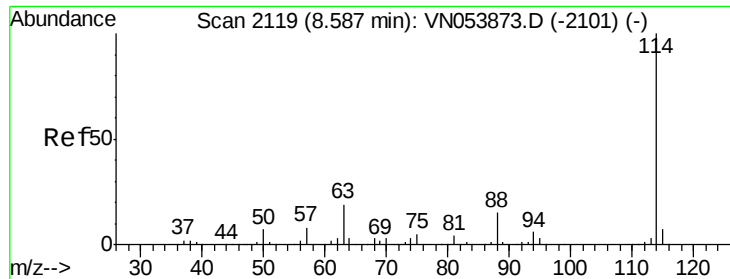
67 54.8 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

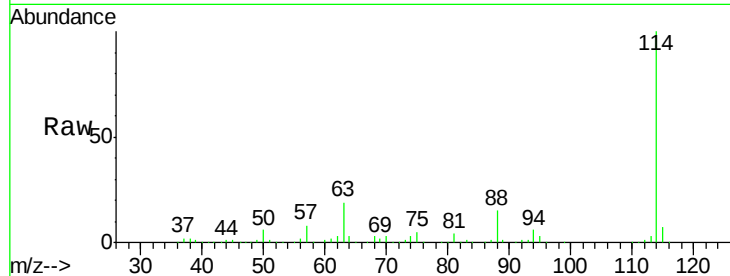




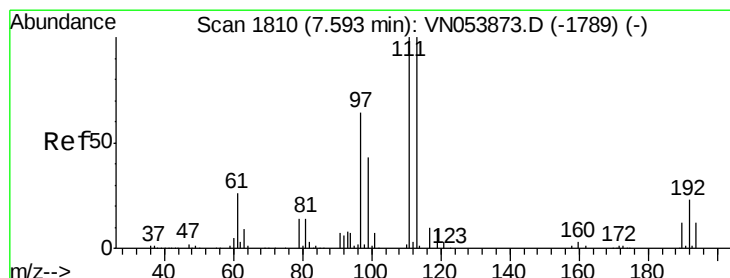
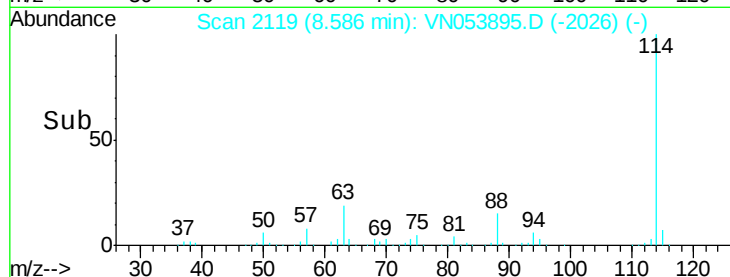
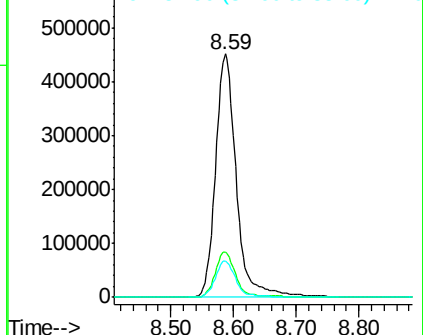
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

Tot Ion:114 Resp: 1036735
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.4
 88 14.9 0.0 30.4

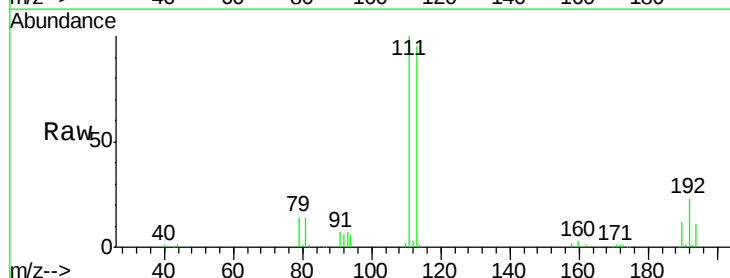


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

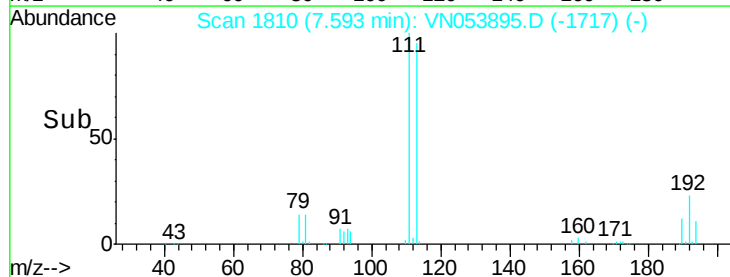
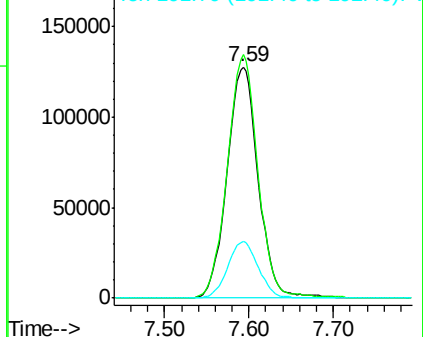


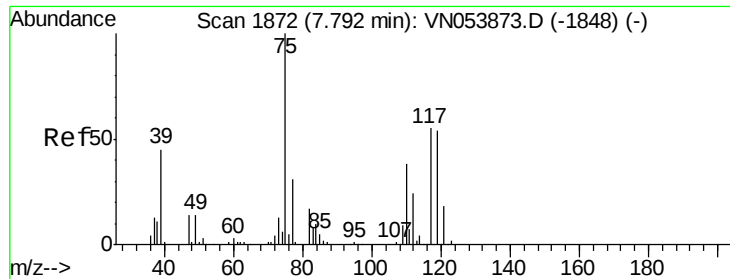
#35
 Dibromofluoromethane
 Concen: 48.234 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Tgt Ion:113 Resp: 328177
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.1 121.7
 192 24.3 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: 3.721 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

M-11-A-D

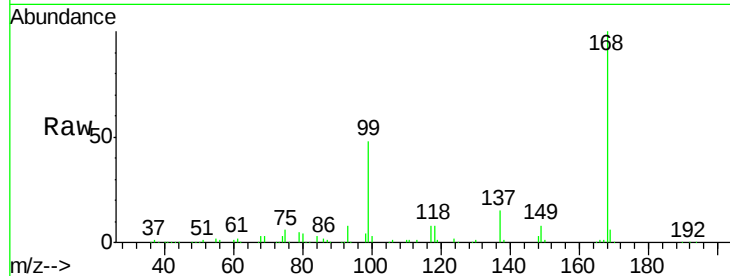
Tot Ion: 75 Resp: 35361

Ion Ratio Lower Upper

75 100

110 6.6 19.0 57.0#

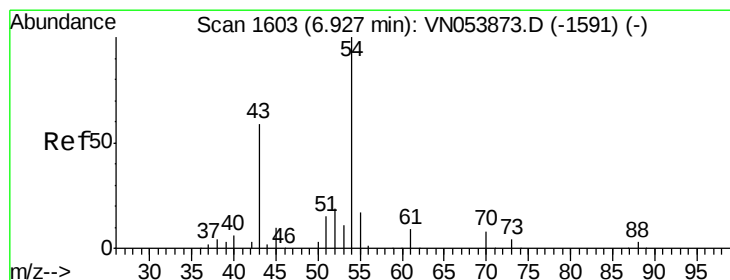
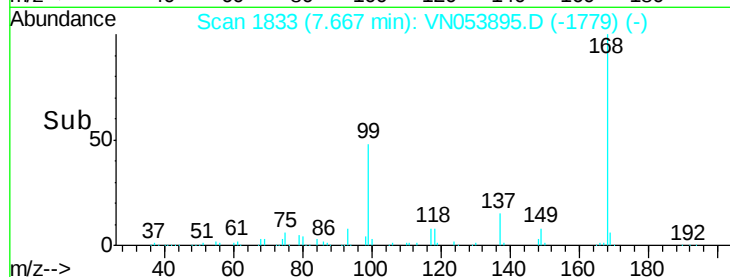
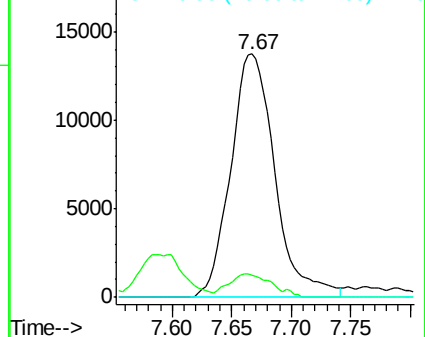
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#37

Ethyl Acetate

Concen: 0.275 ug/l

RT: 6.96 min Scan# 1613

Delta R.T. 0.03 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

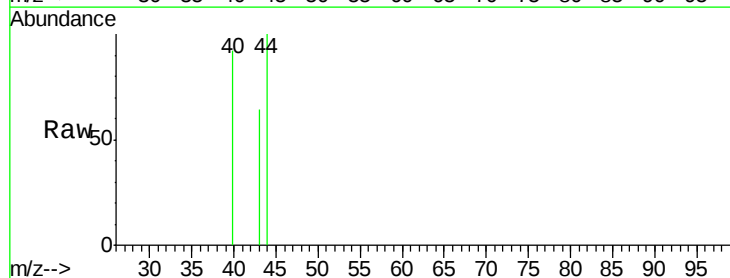
Tgt Ion: 43 Resp: 324

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

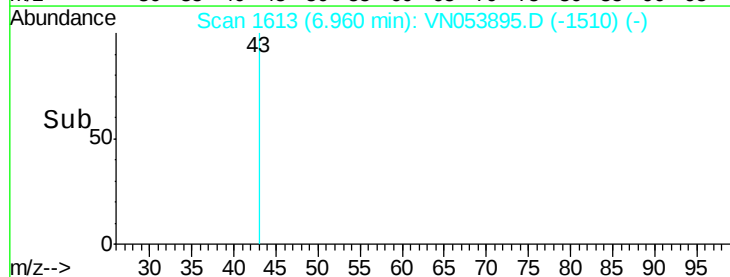
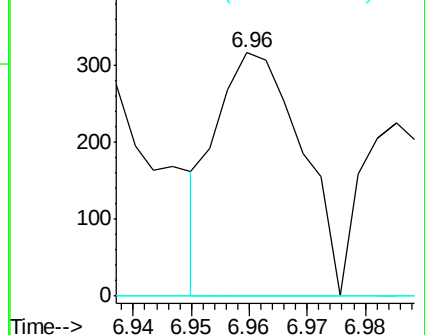
70 0.0 8.7 13.1#

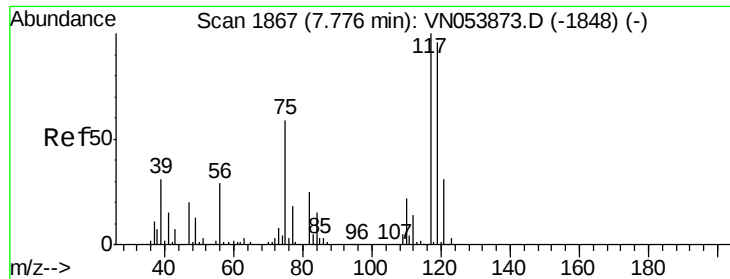


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 70.00 (69.70 to 70.70): VNO





#38

Carbon Tetrachloride

Concen: 5.213 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

M-11-A-D

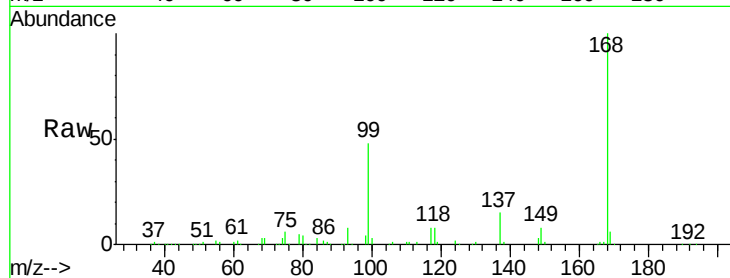
Tot Ion:117 Resp: 49485

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

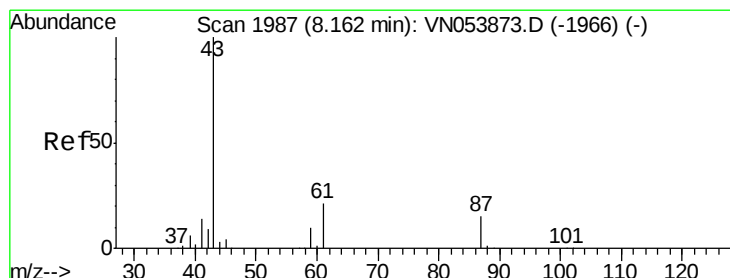
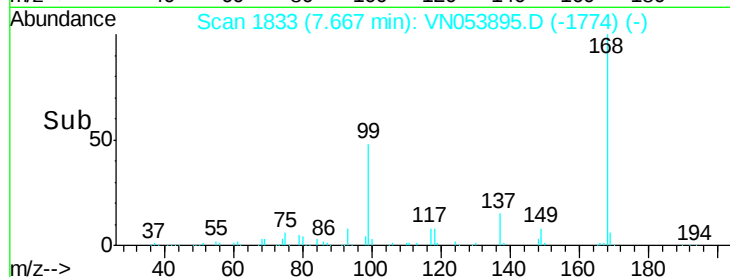
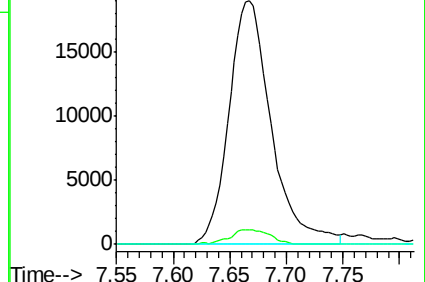
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 22.379 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

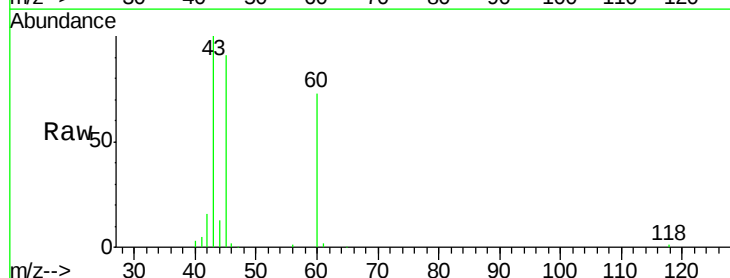
Tgt Ion: 43 Resp: 226837

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

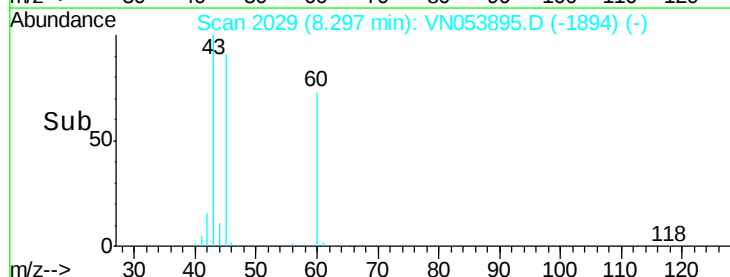
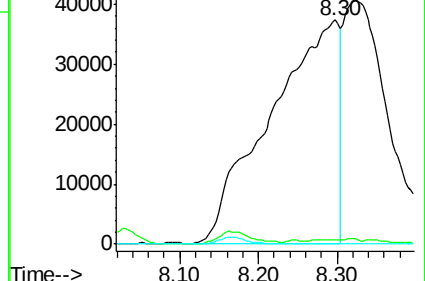
87 0.0 11.5 17.3#

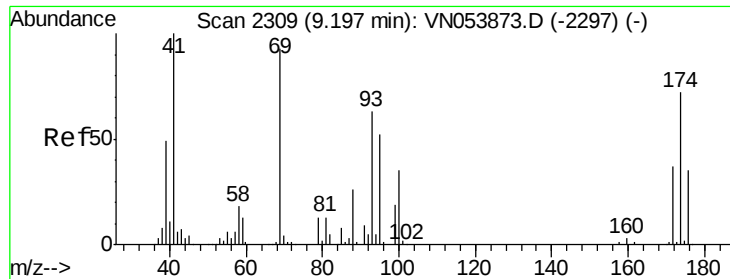


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

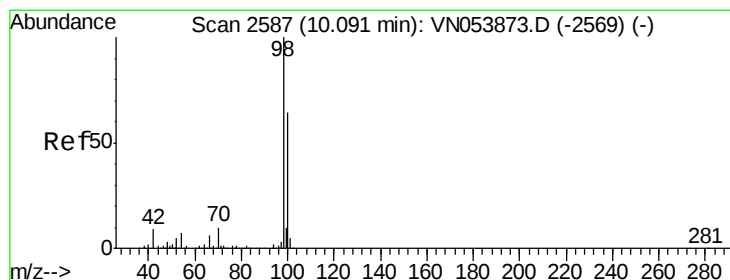
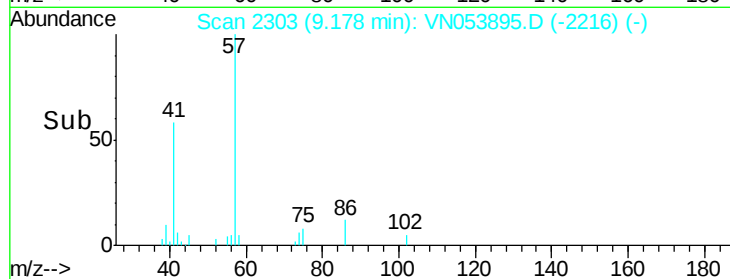
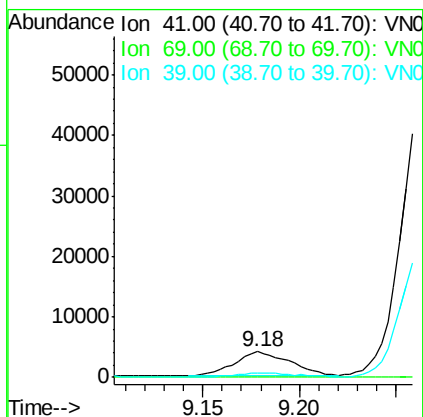
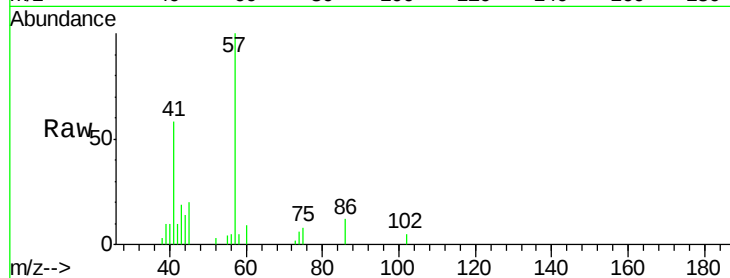




#48
Methvl methacrylate
Concen: 1.840 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

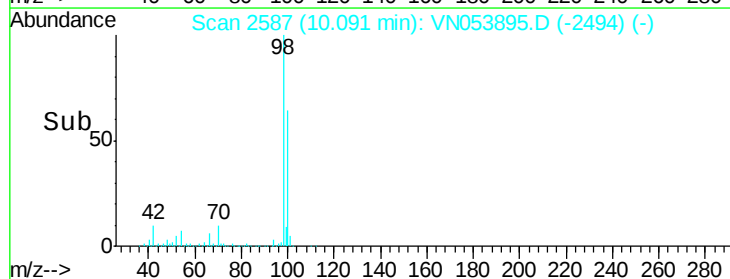
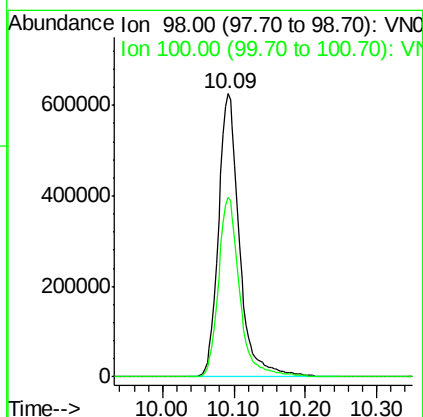
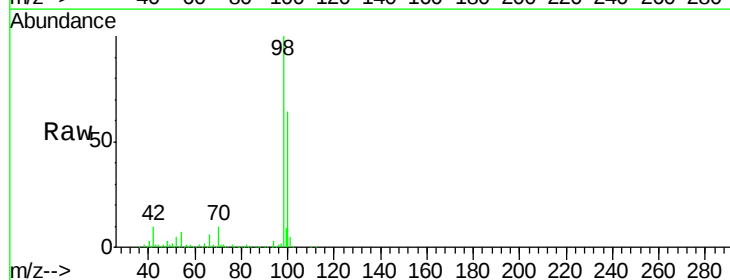
Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

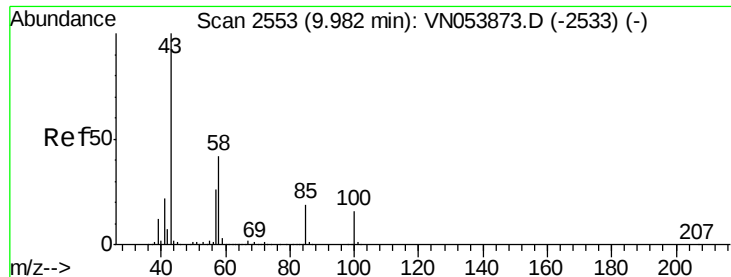
Tot Ion: 41 Resp: 7997
Ion Ratio Lower Upper
41 100
69 0.0 74.8 112.2#
39 20.8 39.0 58.6#



#50
Toluene-d8
Concen: 51.890 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 98 Resp: 1275146
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 7.908 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

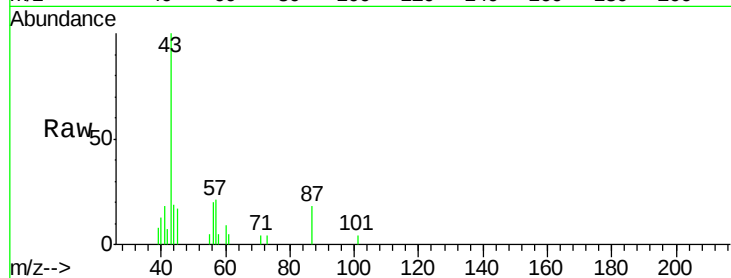
M-11-A-D

Tot Ion: 43 Resp: 7418

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#

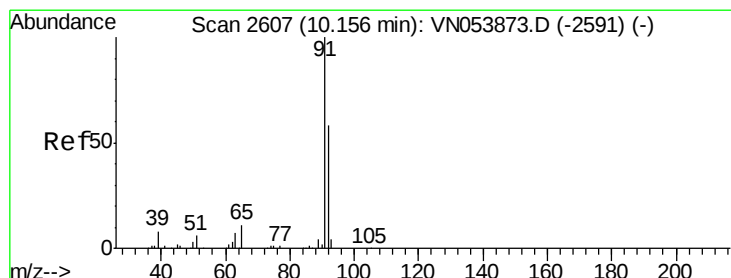
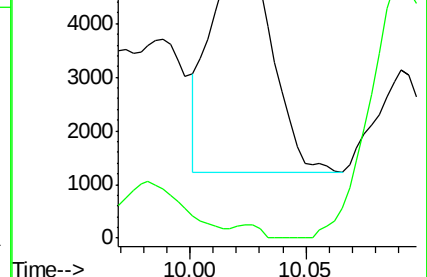
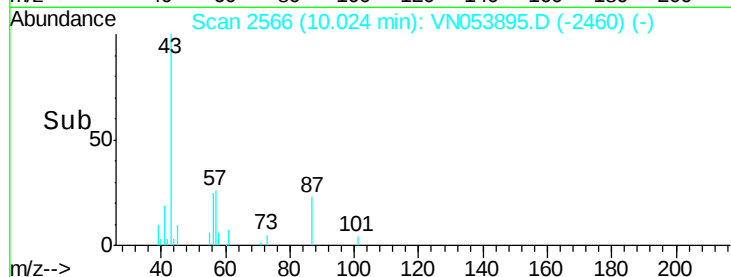


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

Time-->



#52

Toluene

Concen: 2.204 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053895.D

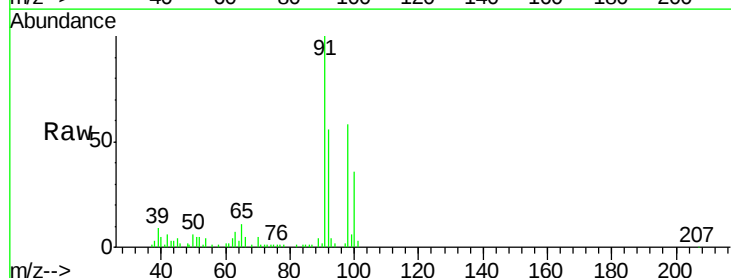
Acq: 21 Feb 2019 16:30

Tgt Ion: 92 Resp: 36694

Ion Ratio Lower Upper

92 100

91 172.9 138.4 207.6

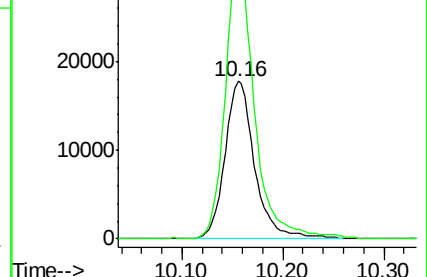
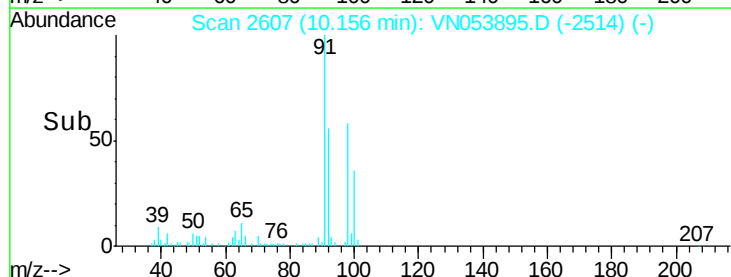


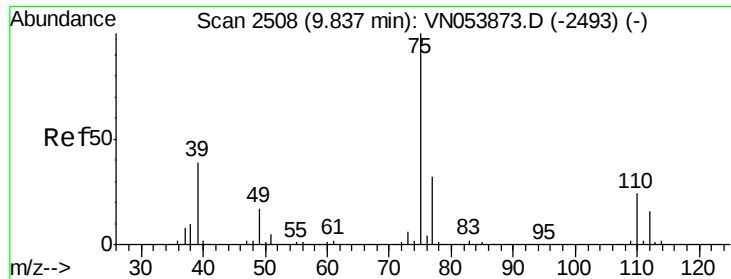
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

Time-->



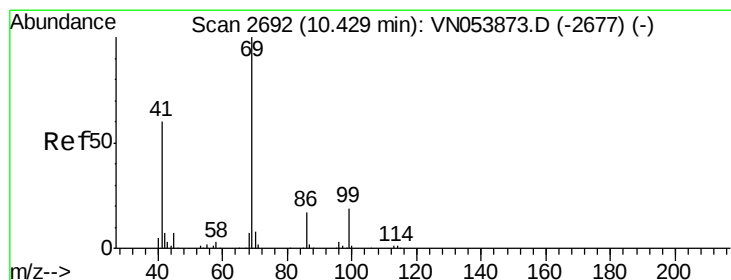
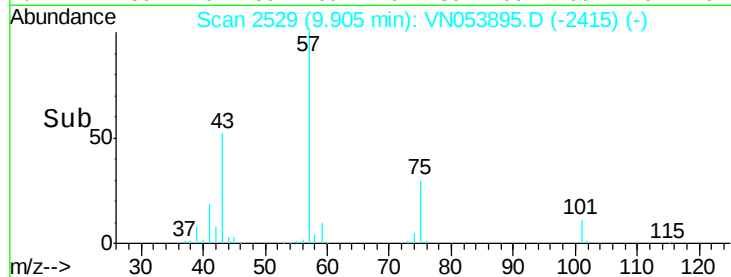
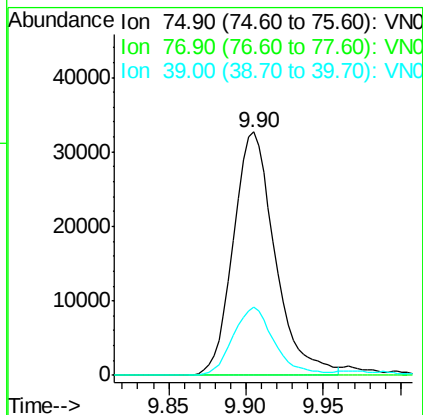
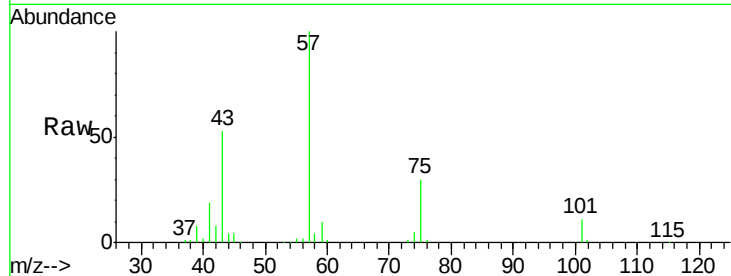


#54

cis-1,3-Dichloropropene
Concen: 5.871 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.07 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

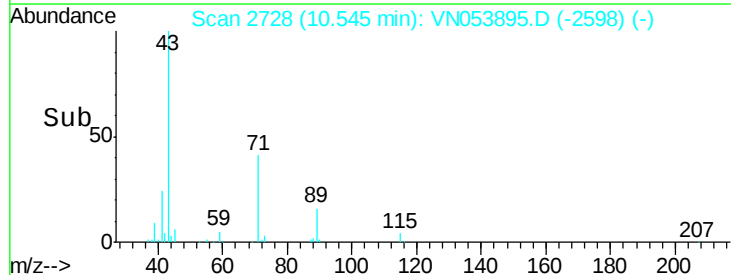
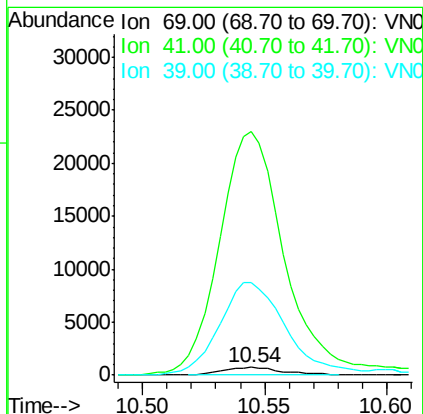
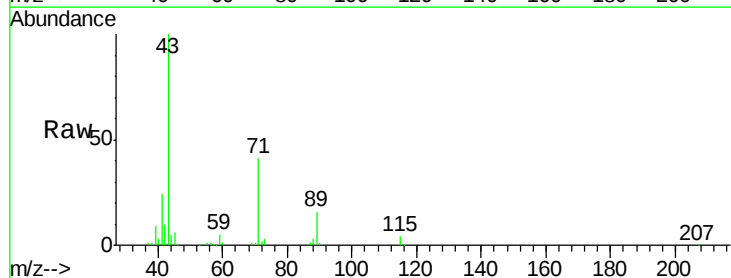
Tot Ion: 75 Resp: 61220
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#
39 27.8 31.4 47.0#

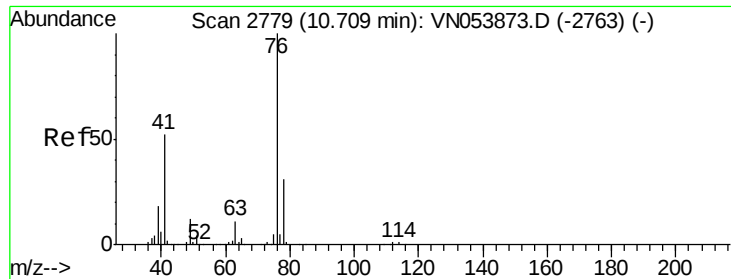


#56

Ethyl methacrylate
Concen: 2.621 ug/l
RT: 10.54 min Scan# 2728
Delta R.T. 0.12 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 69 Resp: 1277
Ion Ratio Lower Upper
69 100
41 3388.0 47.5 71.3#
39 1303.1 23.4 35.0#

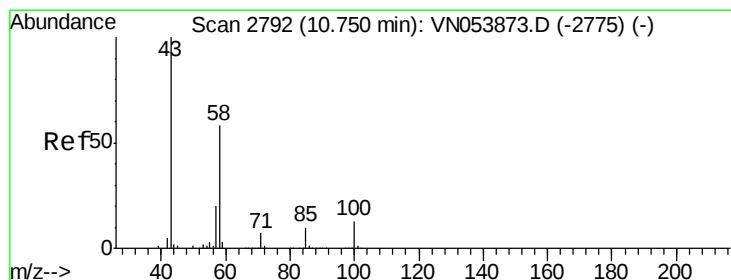
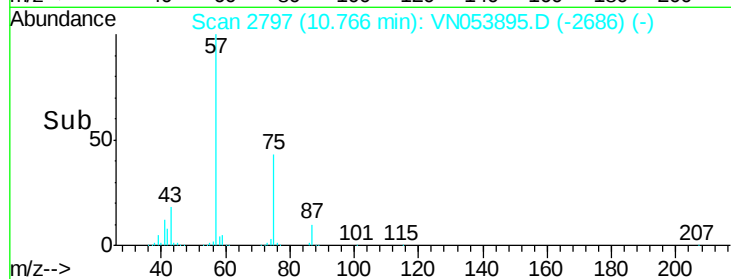
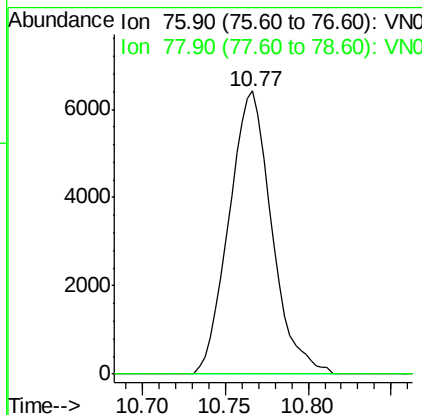
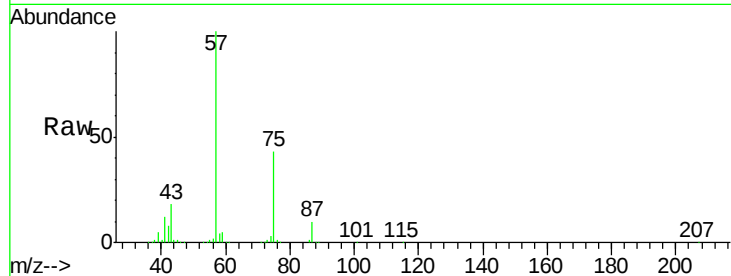




#57
 1,3-Dichloropropane
 Concen: 1.122 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

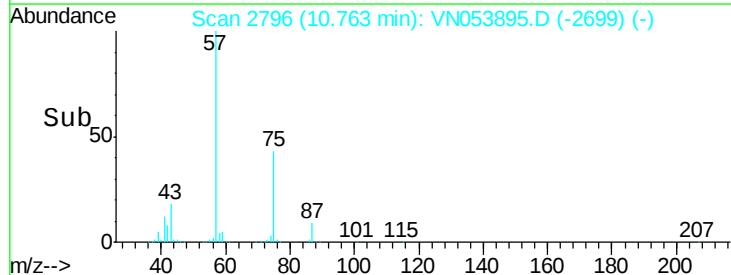
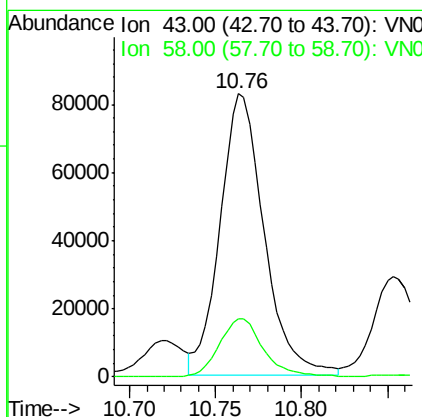
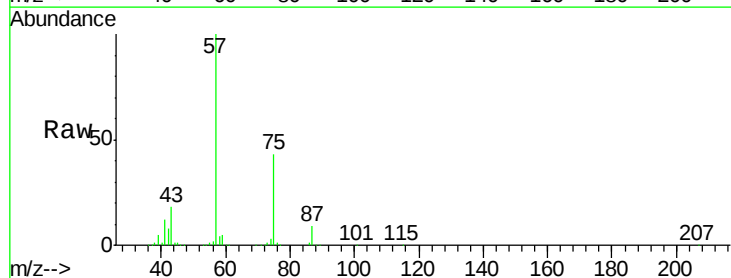
Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

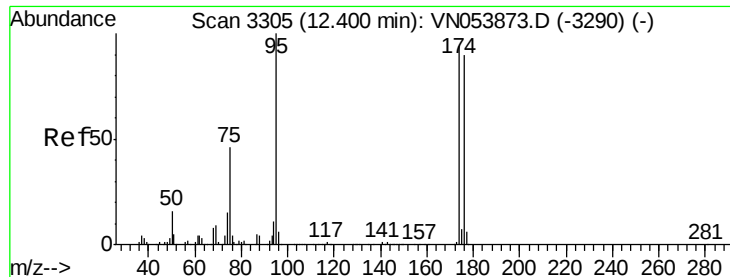
Tot Ion: 76 Resp: 11497
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 46.484 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Tgt Ion: 43 Resp: 147825
 Ion Ratio Lower Upper
 43 100
 58 20.9 29.1 87.4#





#62

4-Bromofluorobenzene

Concen: 52.512 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

M-11-A-D

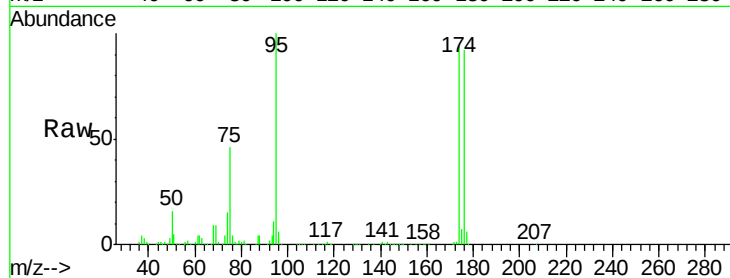
Tot Ion: 95 Resp: 426022

Ion Ratio Lower Upper

95 100

174 94.6 0.0 188.8

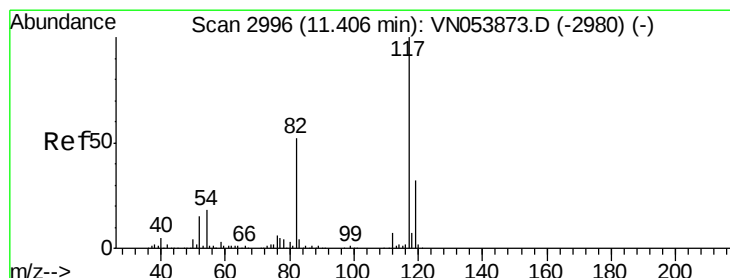
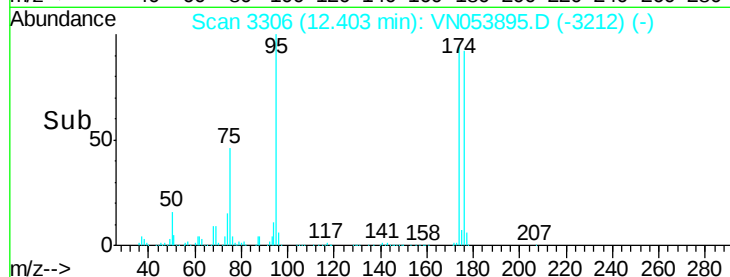
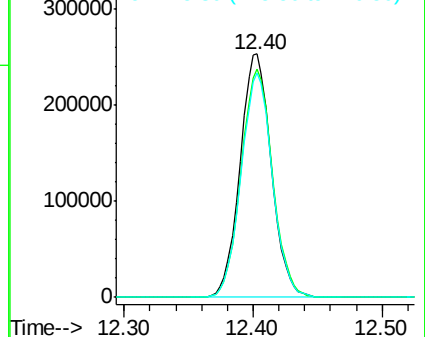
176 92.0 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053873.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053873.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053873.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

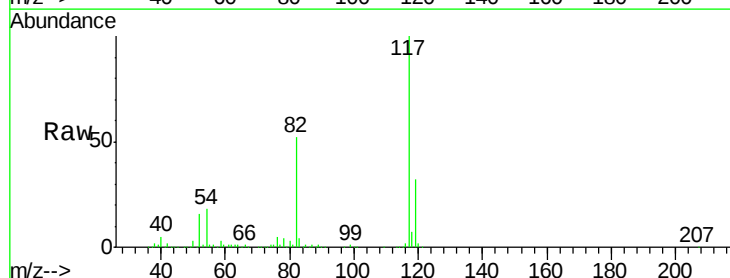
Tgt Ion: 117 Resp: 1005692

Ion Ratio Lower Upper

117 100

82 52.1 41.4 62.2

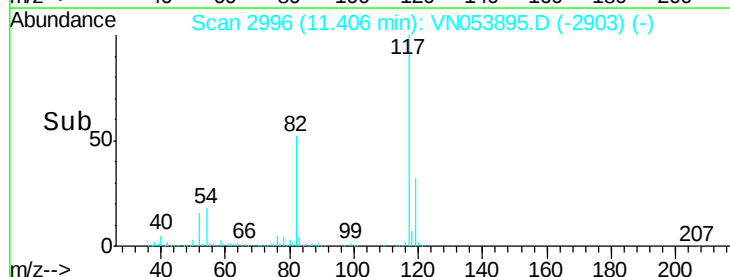
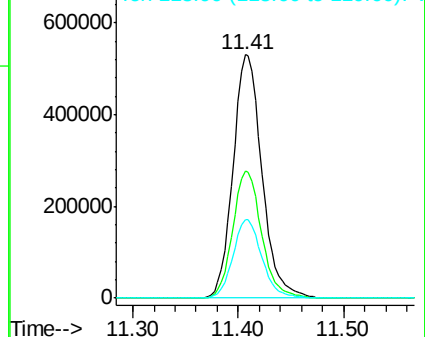
119 32.4 25.3 37.9

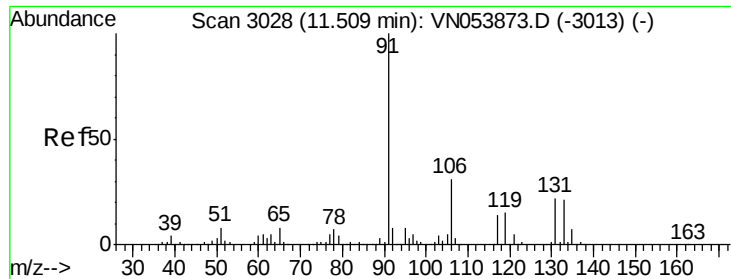


Abundance Ion 116.90 (116.60 to 117.60): VN053873.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053873.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053873.D (-2980) (-)

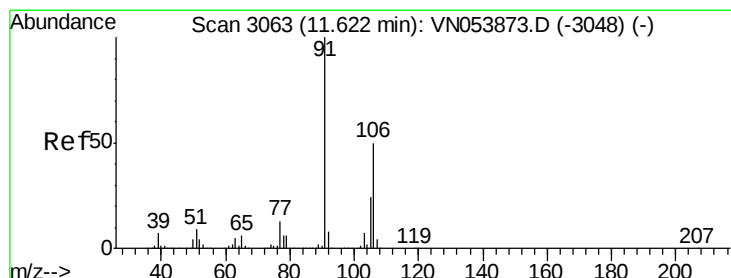
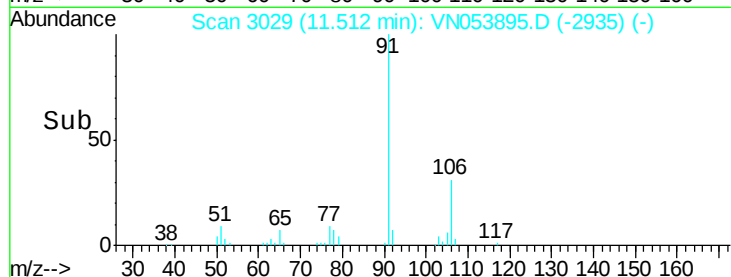
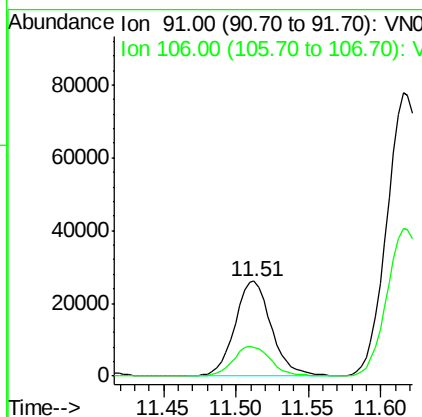
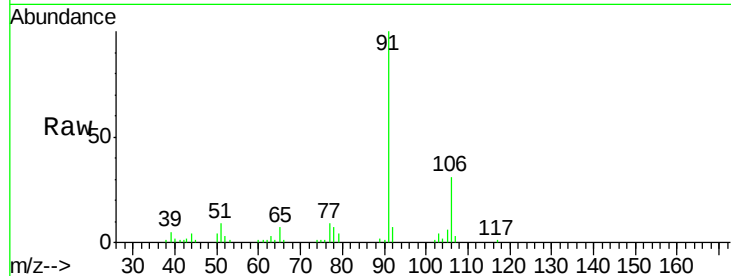




#67
Ethyl Benzene
Concen: 1.344 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

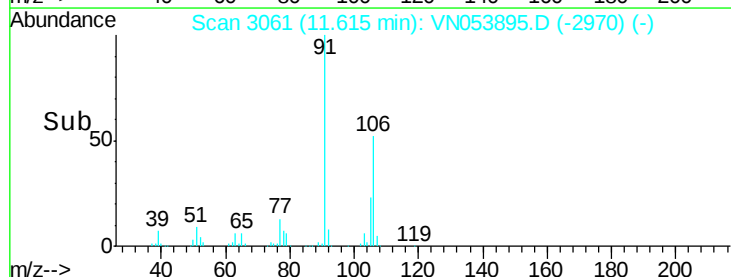
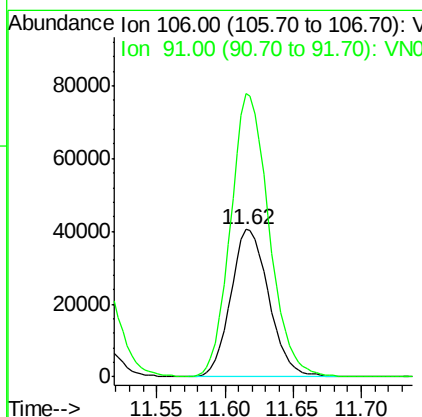
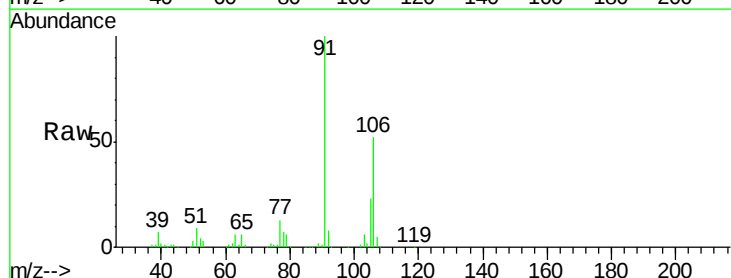
Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

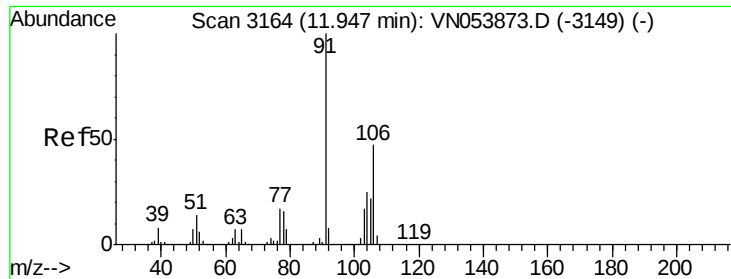
Tot Ion: 91 Resp: 45771
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#68
m/p-Xylenes
Concen: 5.978 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 106 Resp: 78853
Ion Ratio Lower Upper
106 100
91 193.1 158.9 238.3

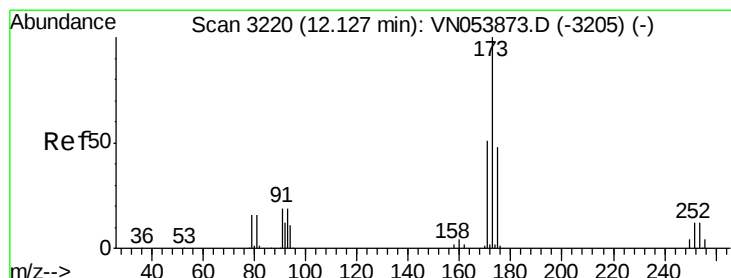
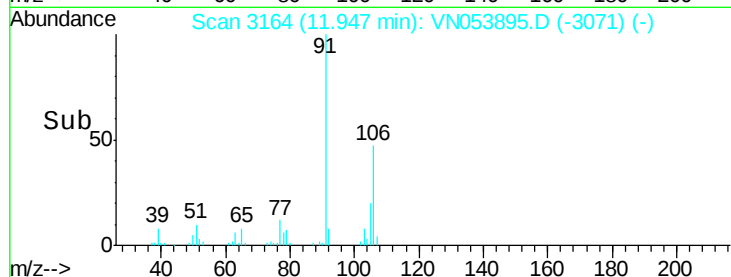
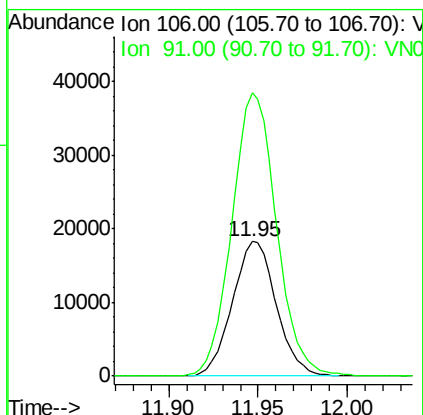
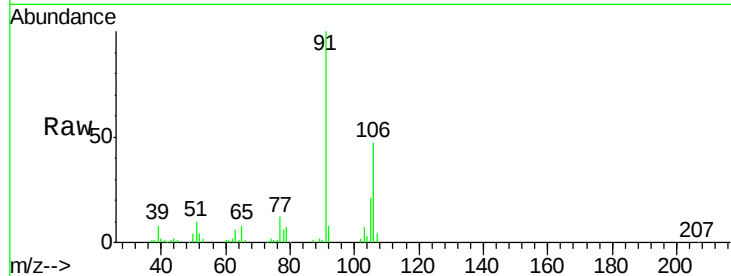




#69
o-Xylene
Concen: 2.468 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

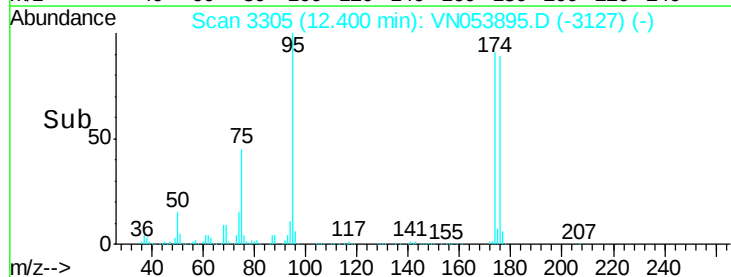
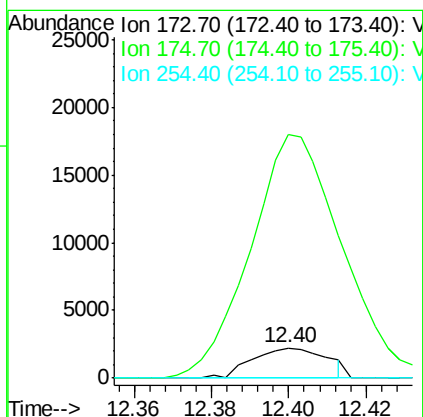
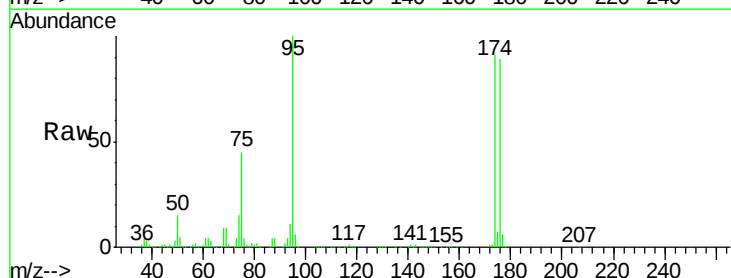
Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

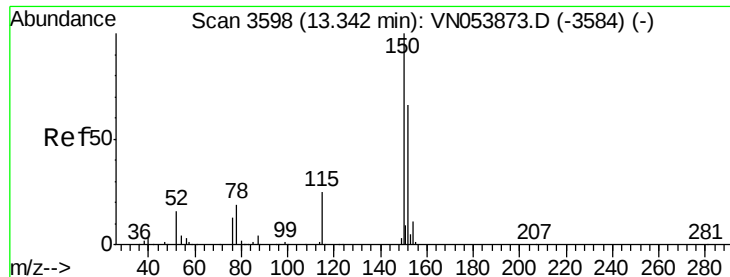
Tot Ion:106 Resp: 31337
Ion Ratio Lower Upper
106 100
91 214.2 106.0 318.0



#71
Bromoform
Concen: 0.547 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion:173 Resp: 2982
Ion Ratio Lower Upper
173 100
175 845.5 24.3 72.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

M-11-A-D

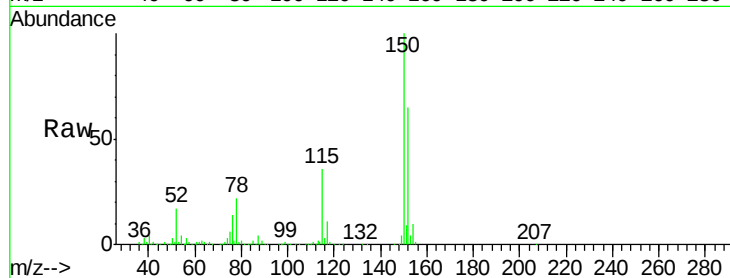
Tot Ion:152 Resp: 404429

Ion Ratio Lower Upper

152 100

115 55.7 27.2 81.6

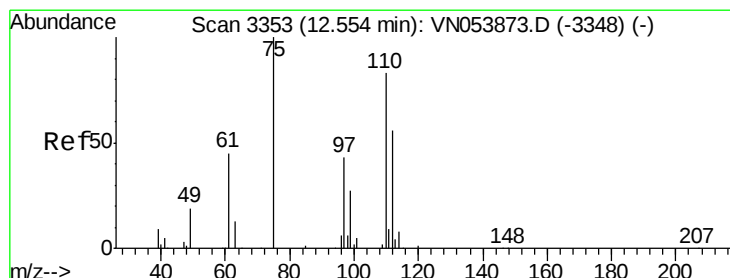
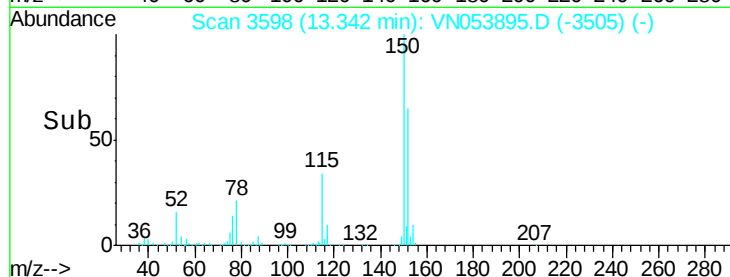
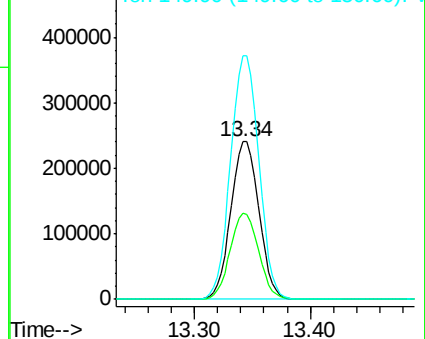
150 155.7 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 32.936 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053895.D

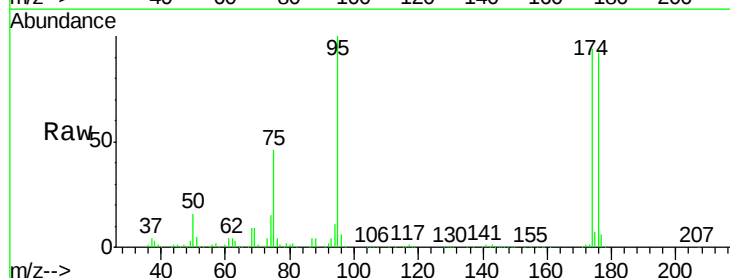
Acq: 21 Feb 2019 16:30

Tgt Ion: 75 Resp: 195545

Ion Ratio Lower Upper

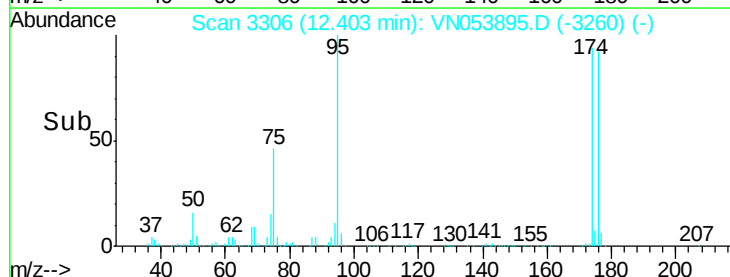
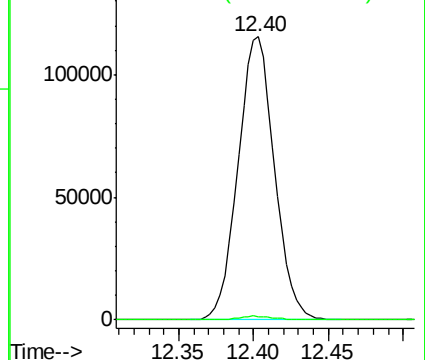
75 100

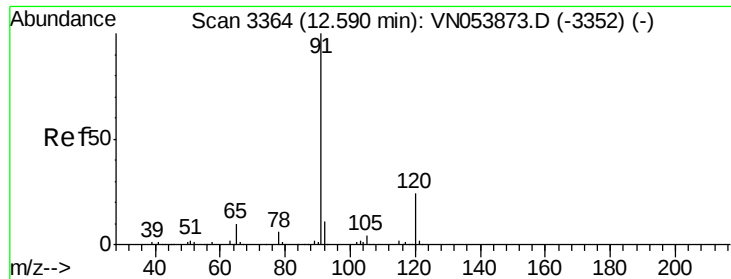
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 0.851 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

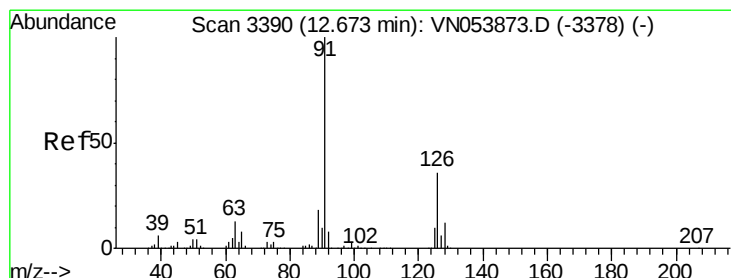
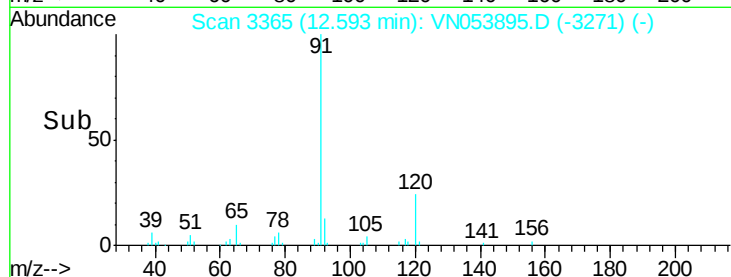
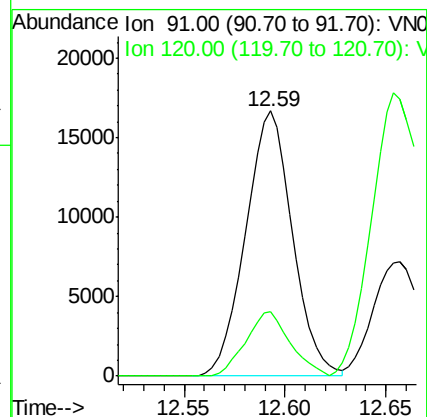
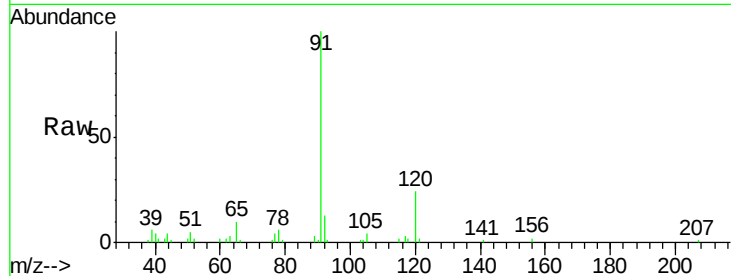
M-11-A-D

Tot Ion: 91 Resp: 27099

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.9



#79

2-Chlorotoluene

Concen: 0.802 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053895.D

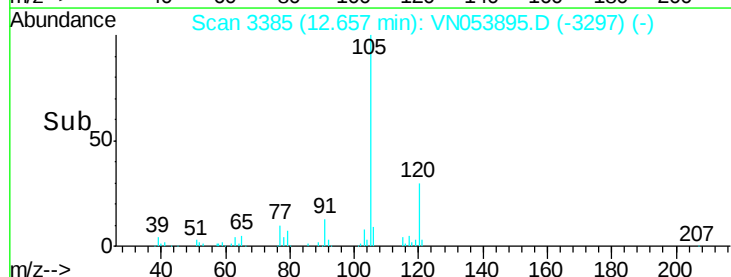
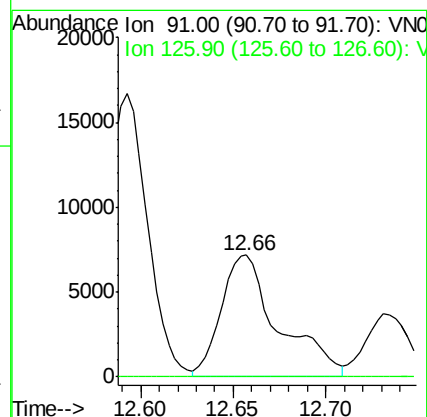
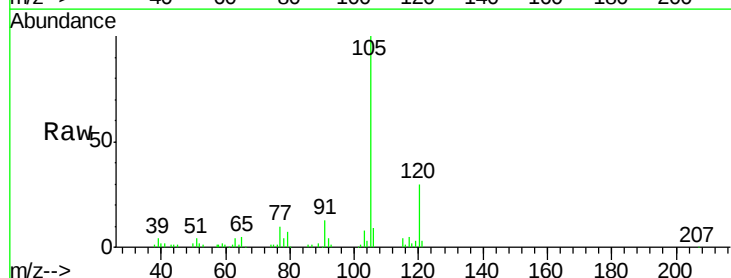
Acq: 21 Feb 2019 16:30

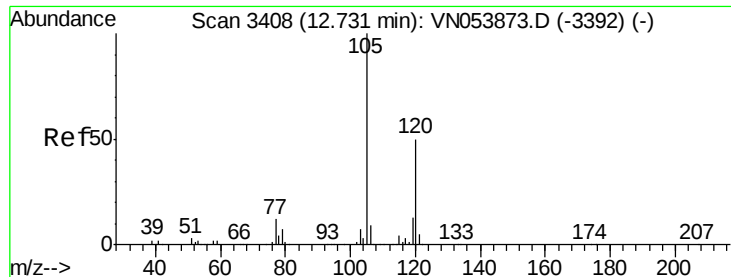
Tgt Ion: 91 Resp: 15411

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#80

1,3,5-Trimethylbenzene

Concen: 2.449 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

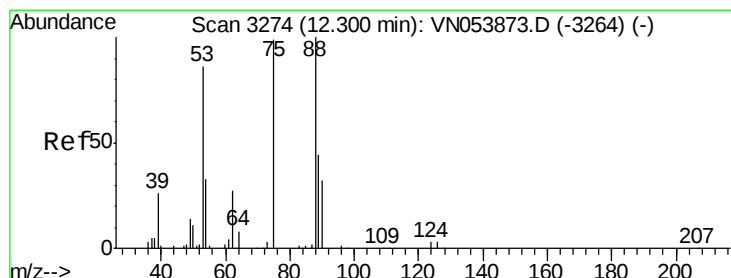
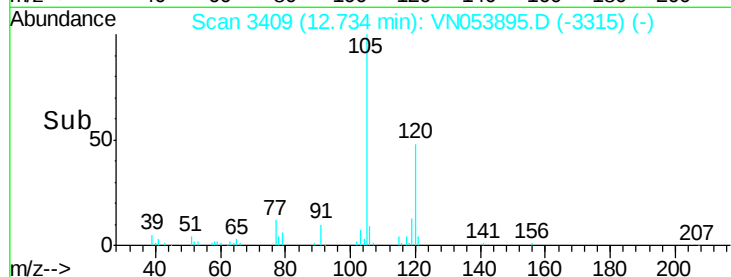
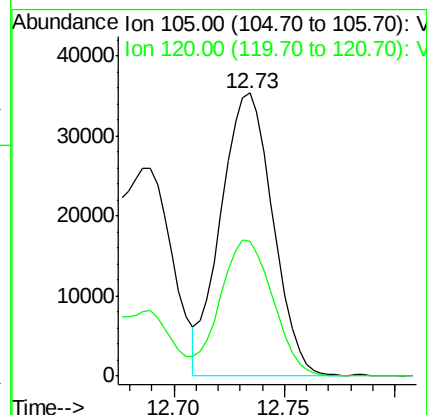
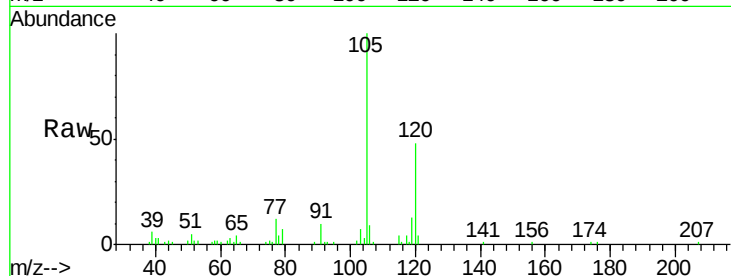
M-11-A-D

Tot Ion:105 Resp: 57915

Ion Ratio Lower Upper

105 100

120 48.4 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 108.733 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

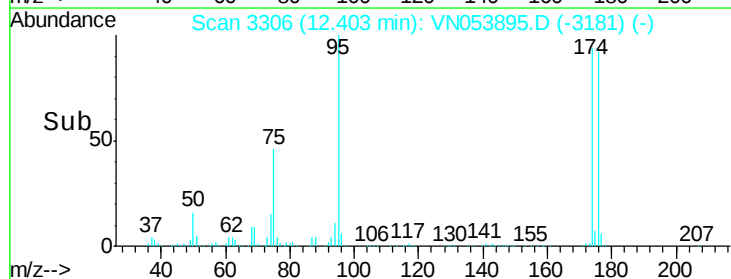
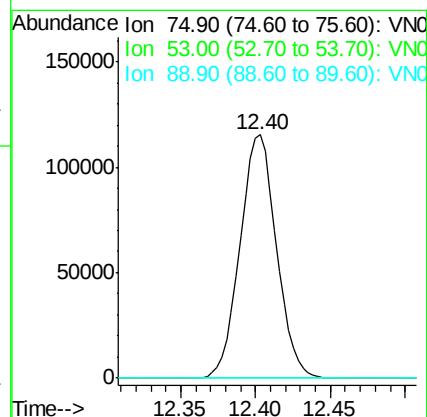
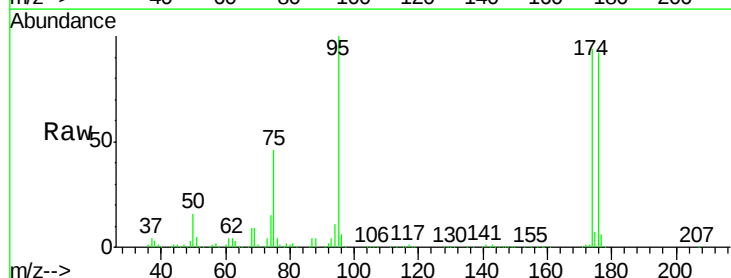
Tgt Ion: 75 Resp: 195545

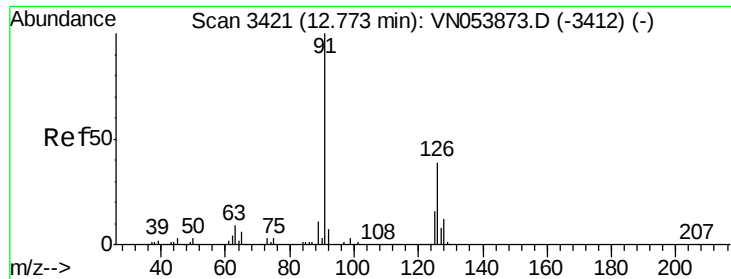
Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 35.3 52.9#

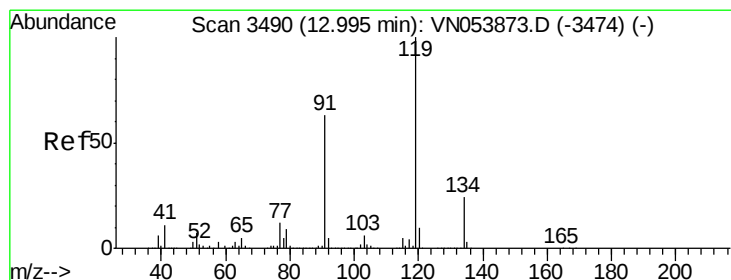
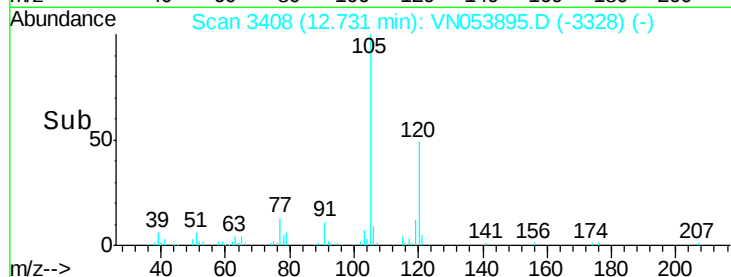
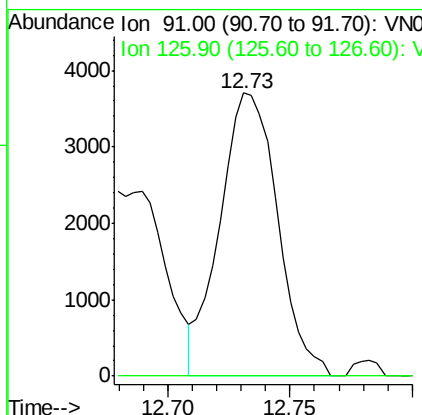
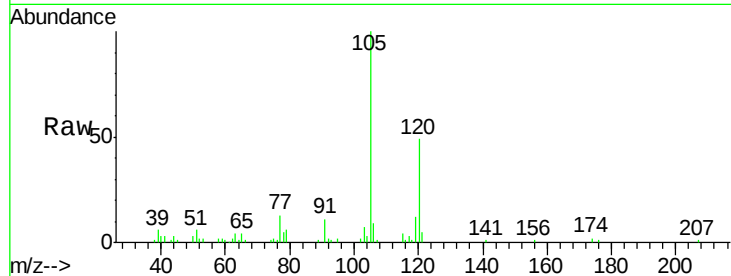




#82
4-Chlorotoluene
Concen: 0.318 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

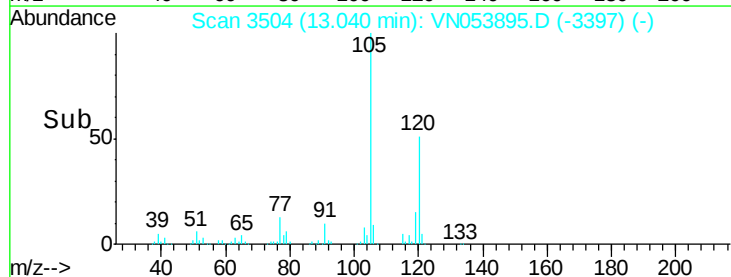
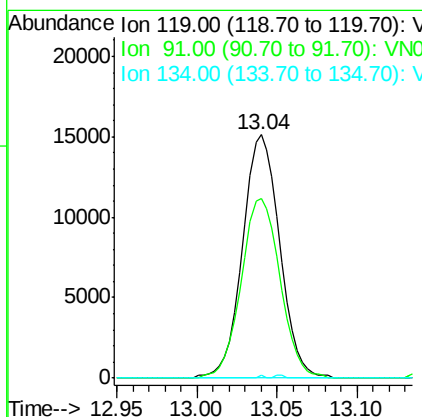
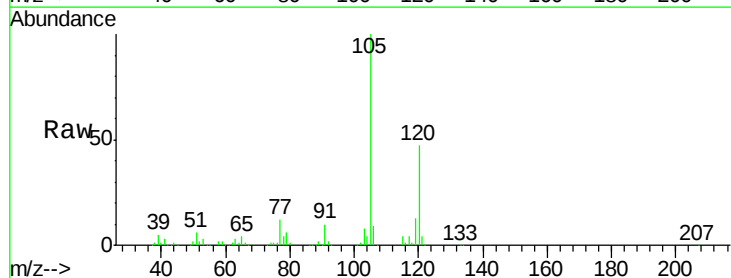
Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

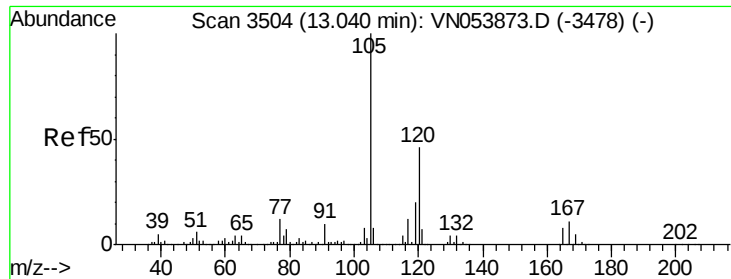
Tot Ion: 91 Resp: 6082
Ion Ratio Lower Upper
91 100
126 0.0 18.0 54.0#



#83
tert-Butylbenzene
Concen: 1.124 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.04 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 119 Resp: 23869
Ion Ratio Lower Upper
119 100
91 77.4 30.6 91.8
134 0.3 13.0 39.0#





#84

1,2,4-Trimethylbenzene

Concen: 7.623 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

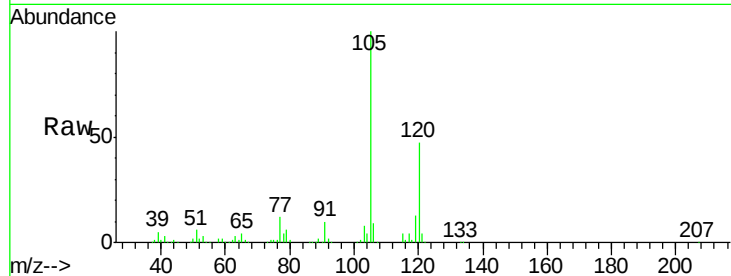
M-11-A-D

Tot Ion:105 Resp: 180824

Ion Ratio Lower Upper

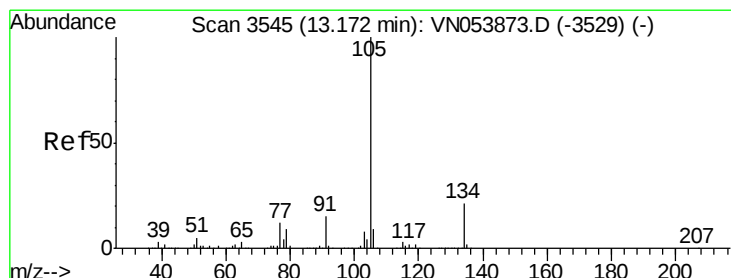
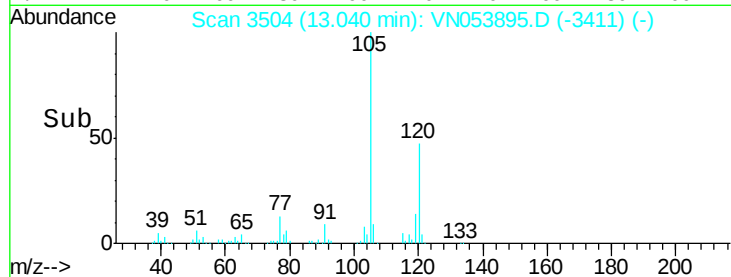
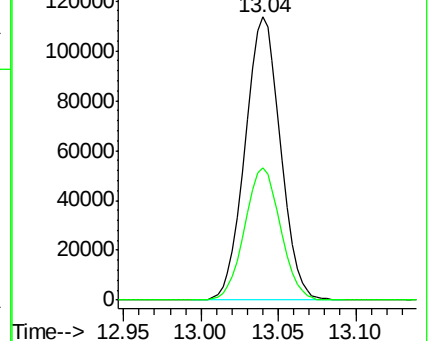
105 100

120 47.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 6.324 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053895.D

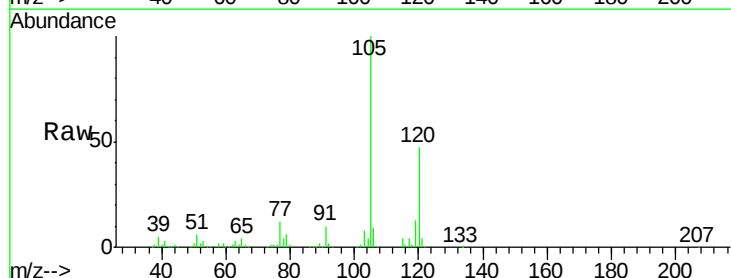
Acq: 21 Feb 2019 16:30

Tgt Ion:105 Resp: 180824

Ion Ratio Lower Upper

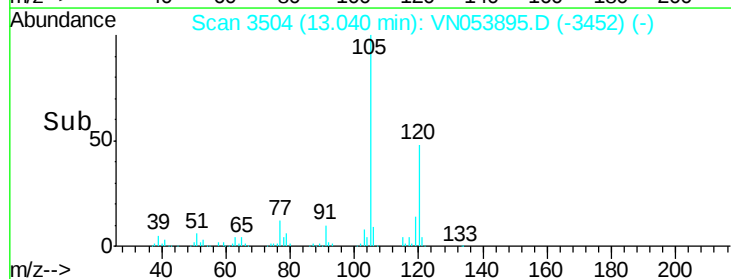
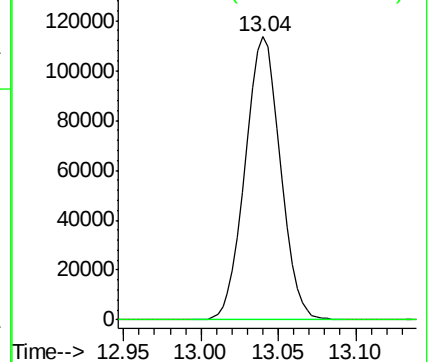
105 100

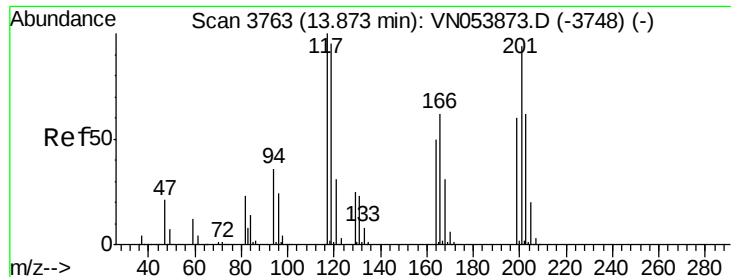
134 0.0 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.515 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

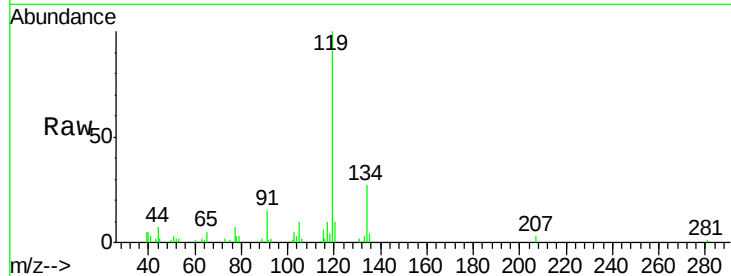
M-11-A-D

Tot Ion:117 Resp: 2441

Ion Ratio Lower Upper

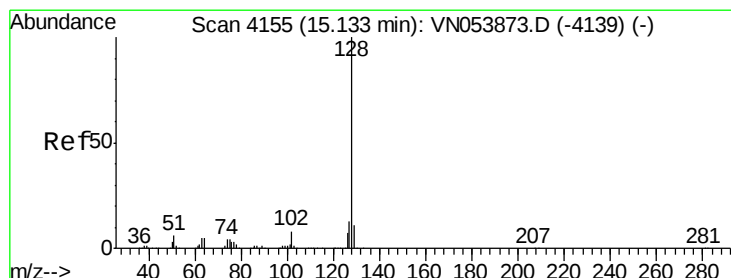
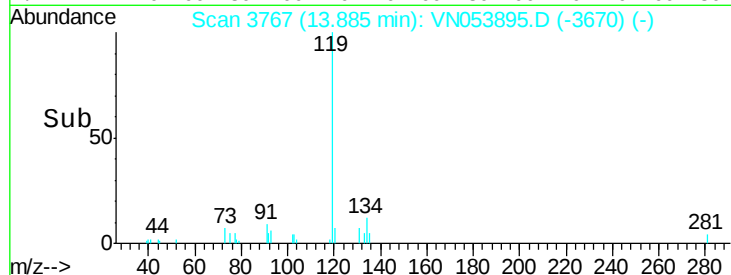
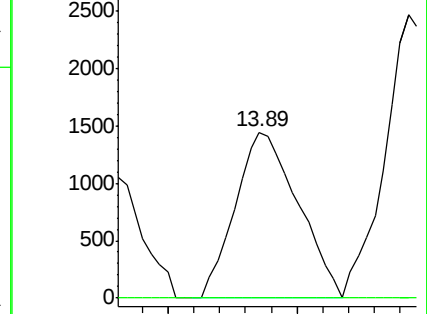
117 100

201 0.0 48.0 144.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 6.219 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

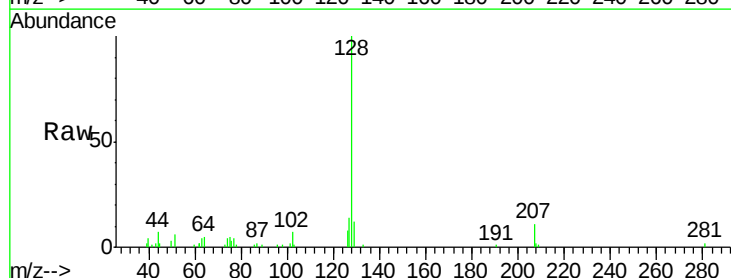
Tgt Ion:128 Resp: 28399

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

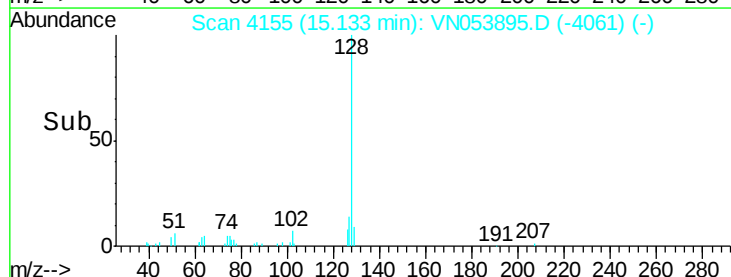
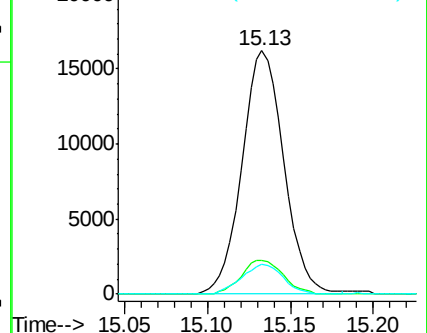
129 12.2 8.6 12.8

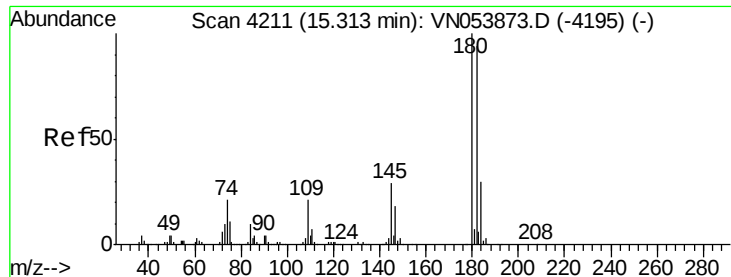


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

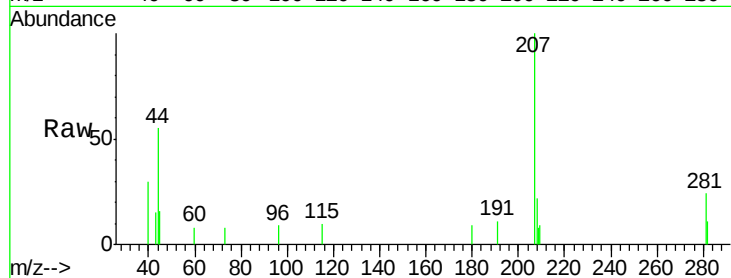




#96
 1,2,3-Trichlorobenzene
 Concen: 2.572 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

Tot Ion:180 Resp: 66
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.8#
 145 225.8 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

