

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054346.D
 Acq On : 16 Mar 2019 19:30
 Operator : JC/SP
 Sample : K1960-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-031519

Quant Time: Mar 18 04:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1849828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2600238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2134032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	794710	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	870258	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	
35) Dibromofluoromethane	7.59	113	780013	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	10.09	98	2977957	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	888489	41.00	ug/l	0.00
Spiked Amount			Recovery	=	82.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	275	1.507	ug/l #	45
11) Tert butyl alcohol	4.82	59	4456	3.309	ug/l #	70
13) Acrolein	3.61	56	722	0.566	ug/l #	43
15) Acrylonitrile	5.05	53	3655	0.661	ug/l #	27
16) Acetone	3.82	43	843070	149.882	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	495498	10.402	ug/l	99
25) 2-Butanone	6.86	43	32945	4.990	ug/l	96
29) Tetrahydrofuran	7.22	42	1020	0.240	ug/l #	72
36) 1,1-Dichloropropene	7.66	75	108834	4.545	ug/l #	48
37) Ethyl Acetate	6.86	43	32945	2.394	ug/l #	69
38) Carbon Tetrachloride	7.66	117	148233	5.903	ug/l #	16
39) Methylcyclohexane	9.08	83	20125	0.683	ug/l #	89
40) Benzene	8.04	78	60211	0.879	ug/l	92
49) 1,4-Dioxane	9.20	88	108	0.623	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	3671	0.287	ug/l	90
53) t-1,3-Dichloropropene	10.35	75	61	1.988	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	5766	0.363	ug/l #	22
59) 2-Hexanone	10.61	43	15594	1.834	ug/l	70
71) Bromoform	12.40	173	5286	2.739	ug/l #	1
73) Isopropylbenzene	12.25	105	229718	3.613	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	422714	36.171	ug/l #	100
77) Bromobenzene	12.54	156	7943	0.472	ug/l #	1
78) n-propylbenzene	12.59	91	304037	4.407	ug/l	99
79) 2-Chlorotoluene	12.59	91	304037	7.329	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.40	75	422714	123.648	ug/l #	11
82) 4-Chlorotoluene	12.59	91	304037	7.340	ug/l #	39
83) tert-Butylbenzene	12.99	119	24869	0.511	ug/l	98
85) sec-Butylbenzene	13.17	105	119213	1.888	ug/l	85
86) p-Isopropyltoluene	13.44	119	57887	1.045	ug/l	98
89) n-Butylbenzene	13.61	91	26632	0.633	ug/l #	69
90) Hexachloroethane	13.89	117	30942	3.374	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.92	180	574	2.549	ug/l #	84
95) Naphthalene	15.13	128	152665	7.546	ug/l	99

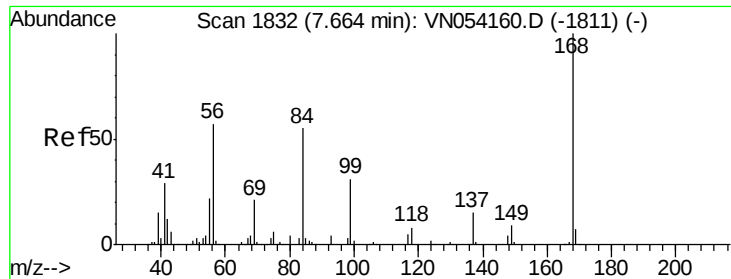
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = 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: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

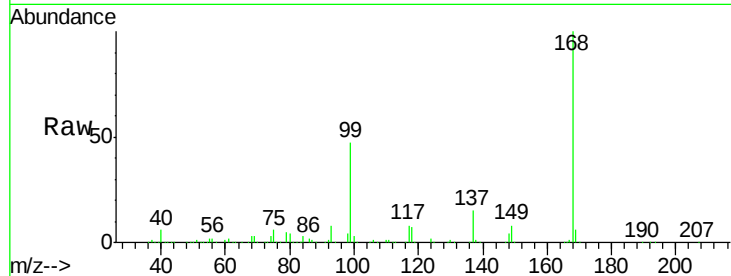
T11-MW-13-8.0-031519

Tot Ion:168 Resp: 1849828

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

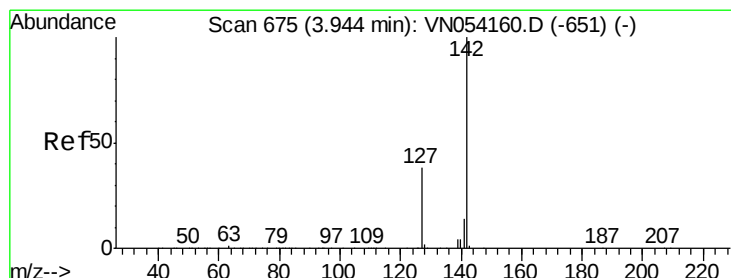
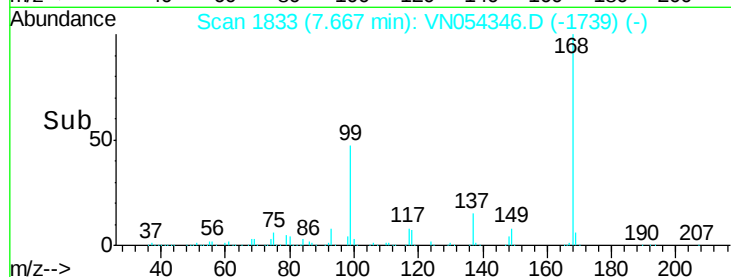
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.507 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

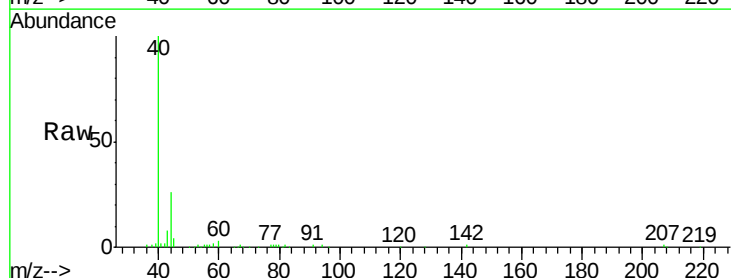
Tgt Ion:142 Resp: 275

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

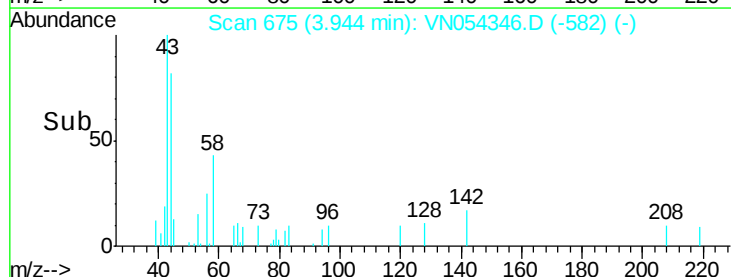
300

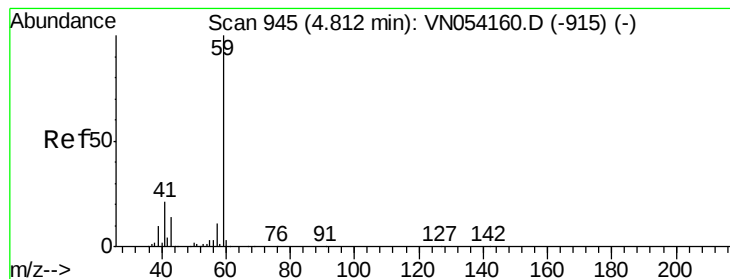
200

100

0

Time--> 3.92 3.94 3.96



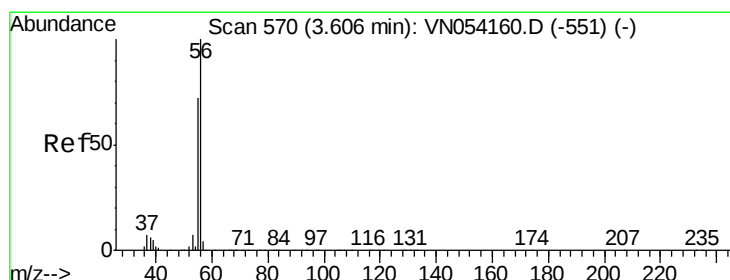
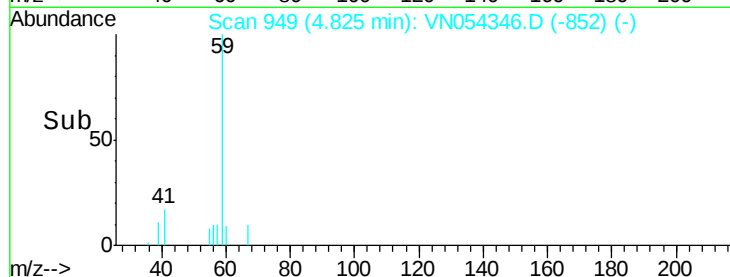
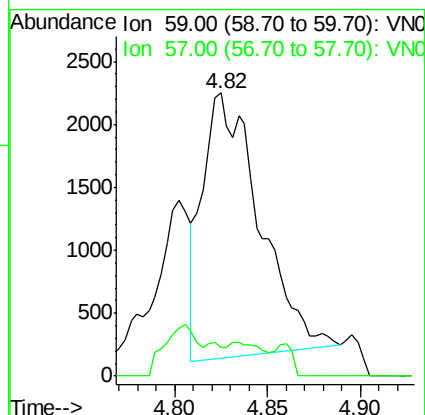
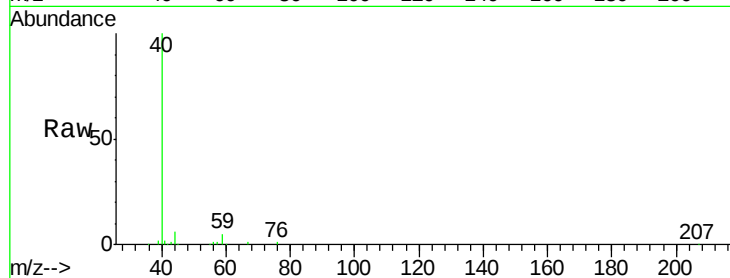


#11

Tert butyl alcohol
 Concen: 3.309 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-031519

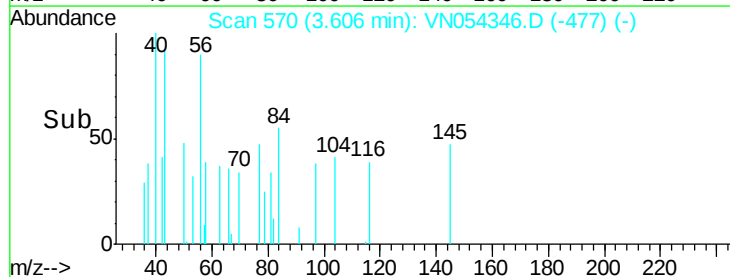
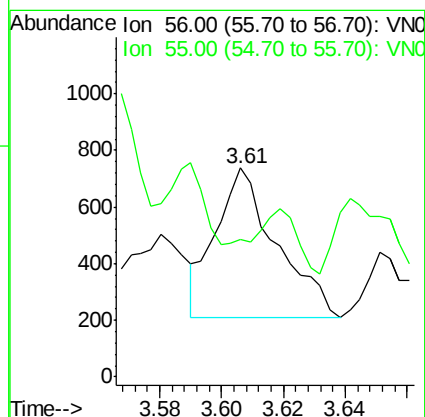
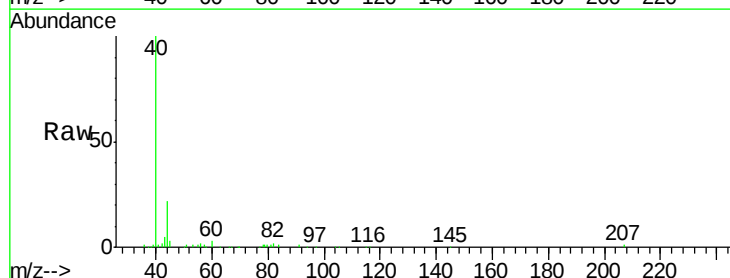
Tot Ion: 59 Resp: 4456
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

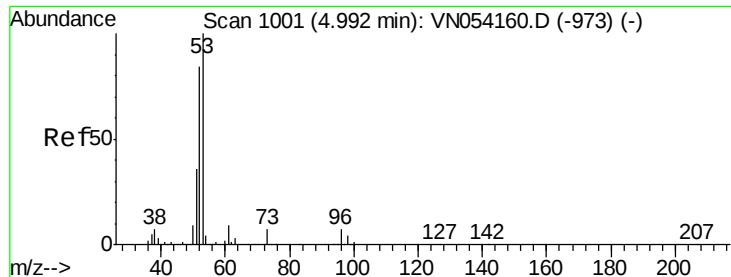


#13

Acrolein
 Concen: 0.566 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

Tgt Ion: 56 Resp: 722
 Ion Ratio Lower Upper
 56 100
 55 24.0 56.7 85.1#





#15

Acrylonitrile

Concen: 0.661 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.05 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-031519

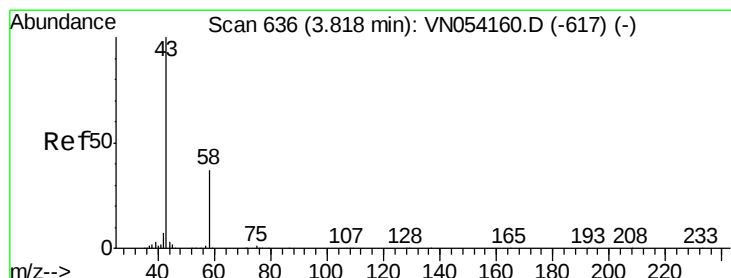
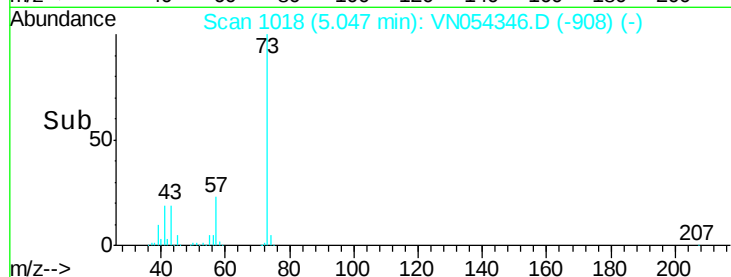
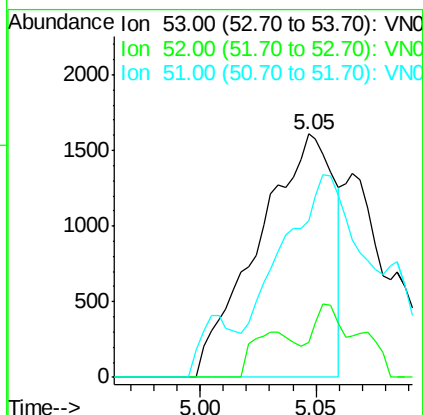
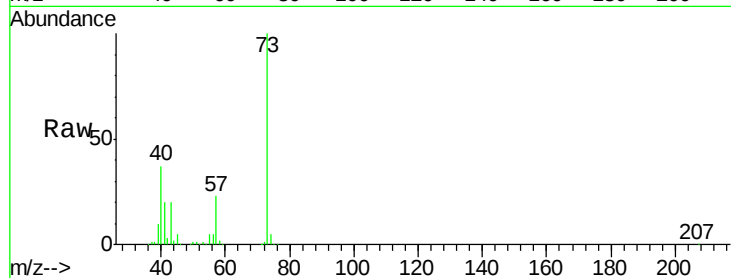
Tot Ion: 53 Resp: 3655

Ion Ratio Lower Upper

53 100

52 6.3 66.4 99.6#

51 65.0 29.6 44.4#



#16

Acetone

Concen: 149.882 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054346.D

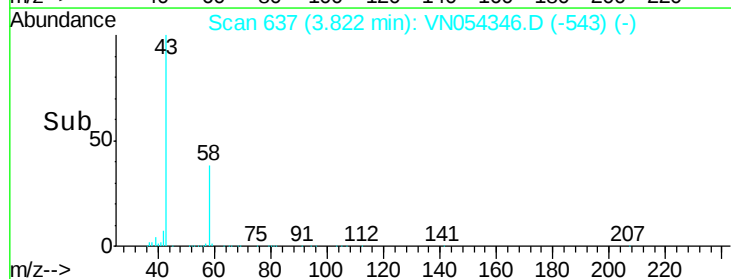
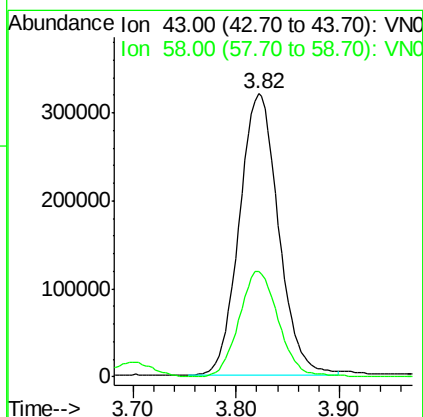
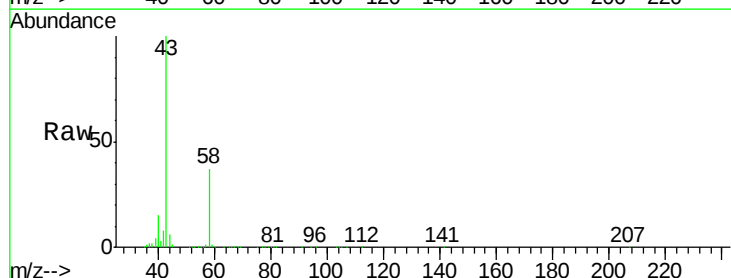
Acq: 16 Mar 2019 19:30

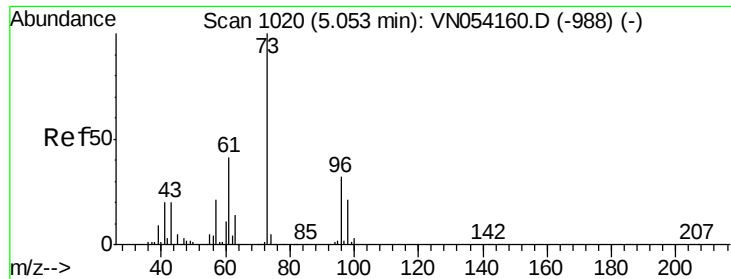
Tgt Ion: 43 Resp: 843070

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9

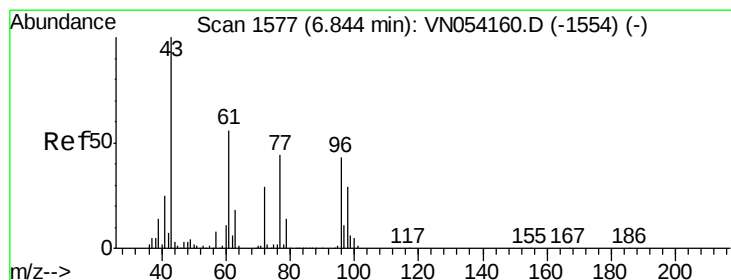
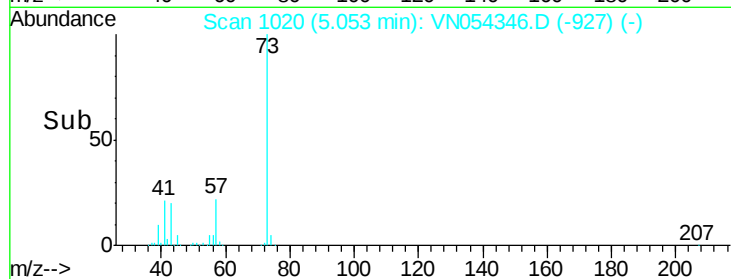
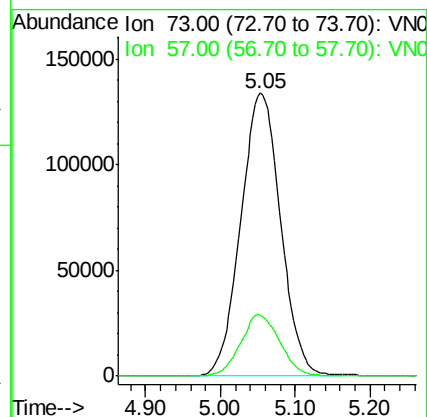
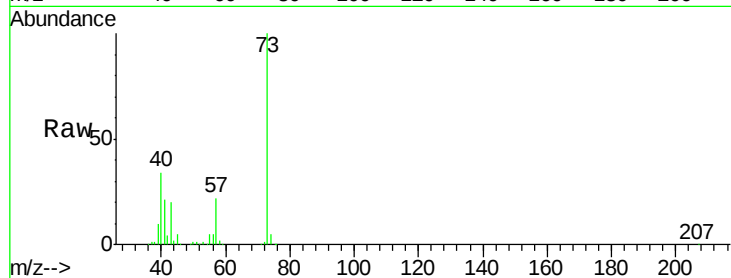




#19
Methvl tert-butvl Ether
Concen: 10.402 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

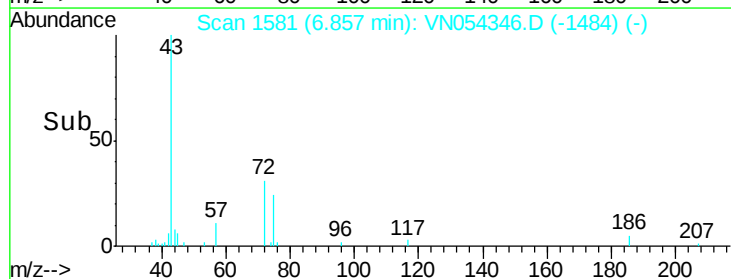
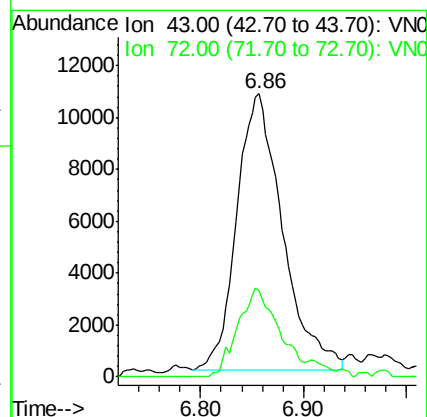
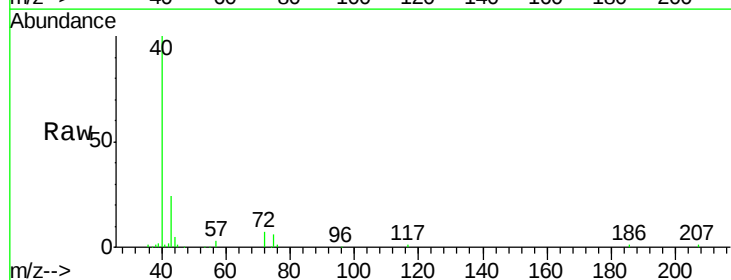
Instrument :
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T11-MW-13-8.0-031519

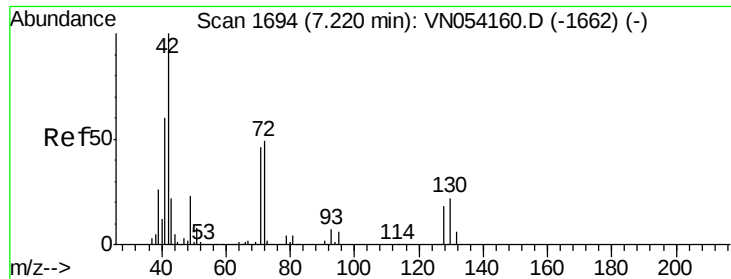
Tot Ion: 73 Resp: 495498
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2



#25
2-Butanone
Concen: 4.990 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion: 43 Resp: 32945
Ion Ratio Lower Upper
43 100
72 31.1 23.0 34.6

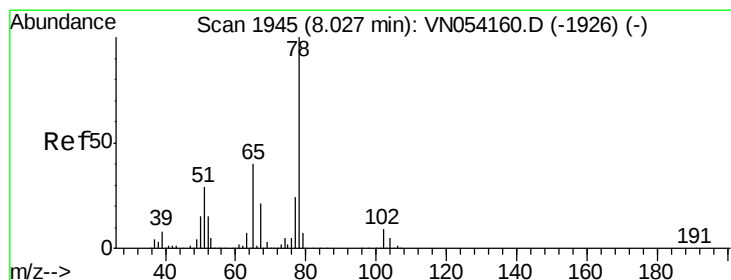
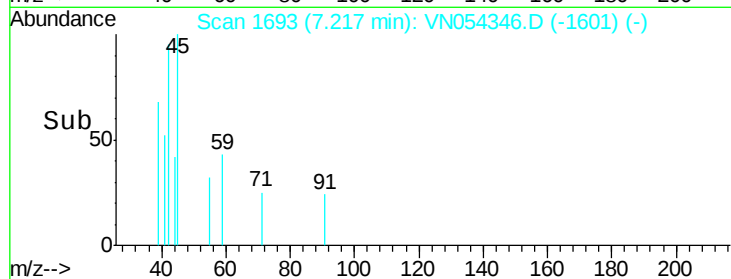
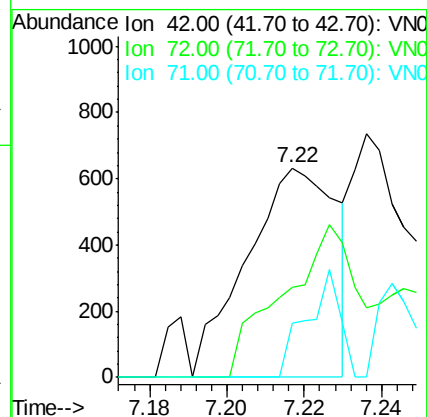
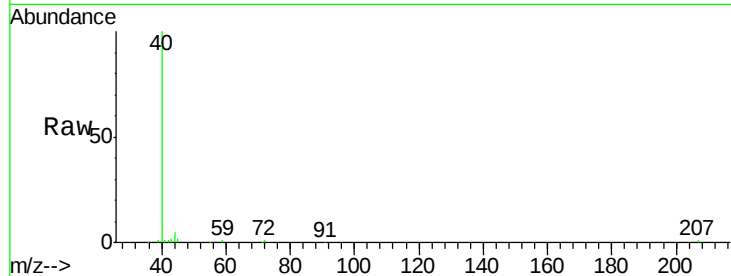




#29
Tetrahydrofuran
Concen: 0.240 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

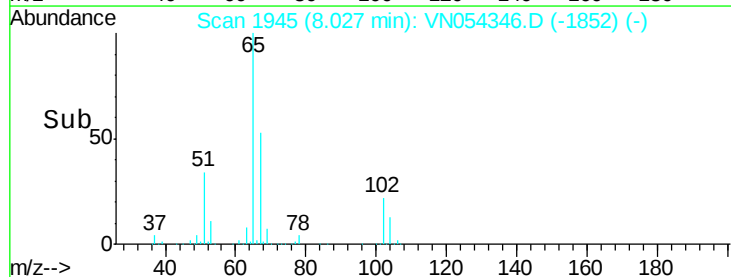
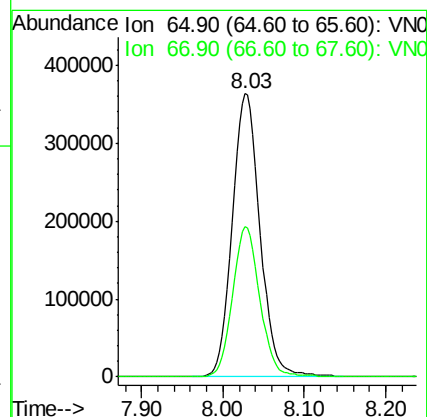
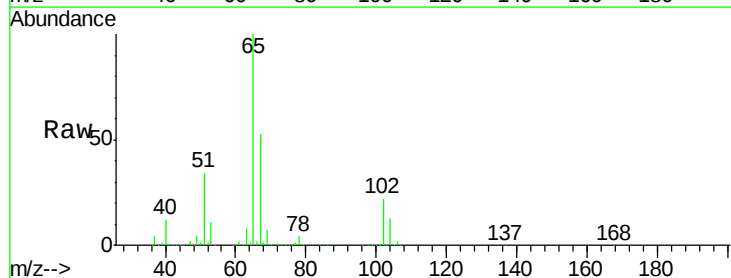
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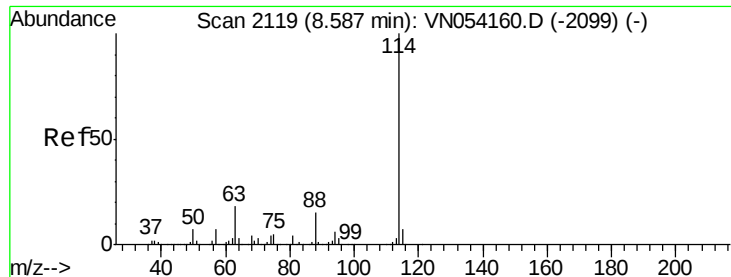
Tot Ion: 42 Resp: 1020
Ion Ratio Lower Upper
42 100
72 58.3 37.8 56.6#
71 19.0 36.2 54.2#



#33
1,2-Dichloroethane-d4
Concen: 44.299 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion: 65 Resp: 870258
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6

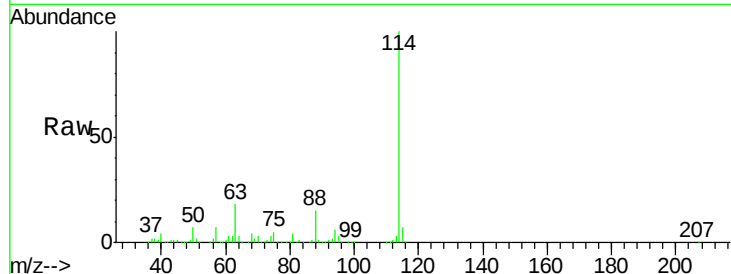




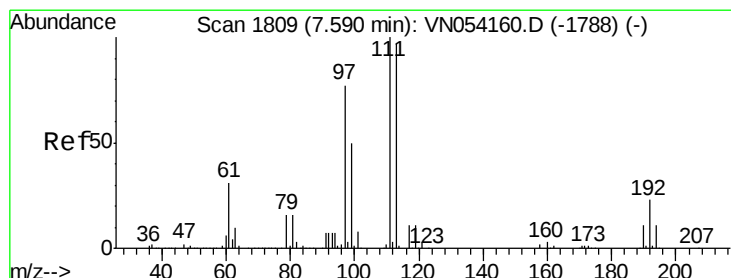
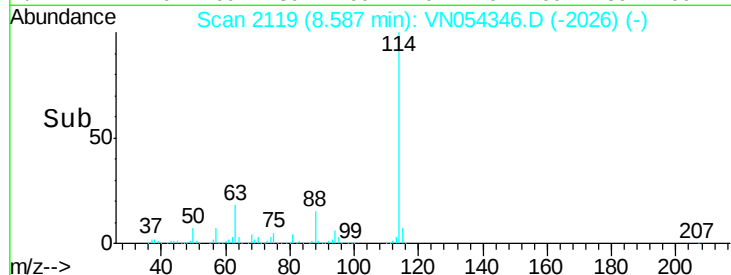
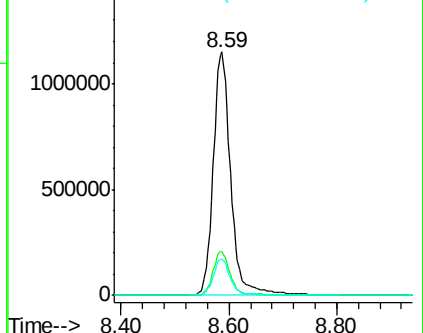
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-031519

Tot Ion:114 Resp: 2600238
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 15.0 0.0 30.2

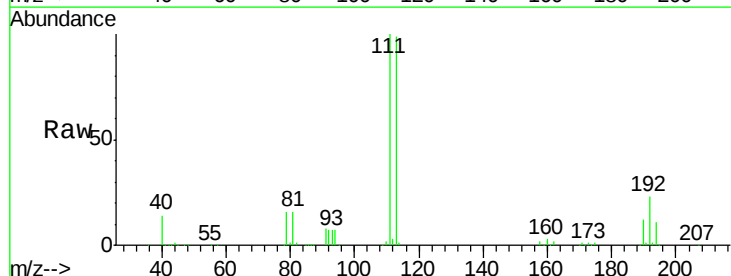


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

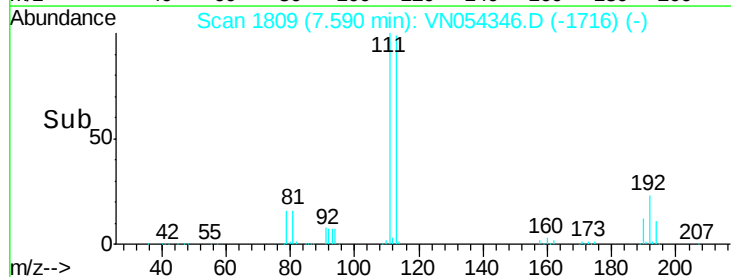
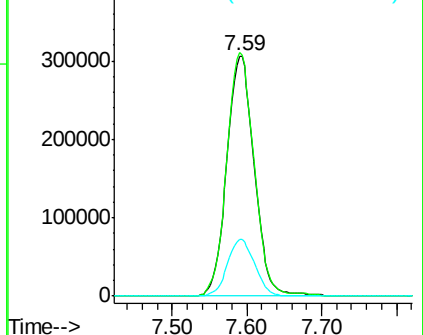


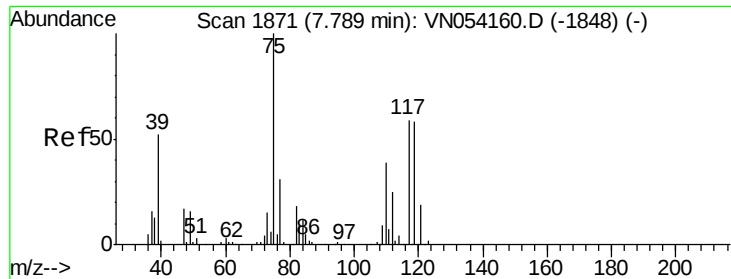
#35
 Dibromofluoromethane
 Concen: 46.511 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

Tgt Ion:113 Resp: 780013
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.4
 192 23.6 19.2 28.8



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

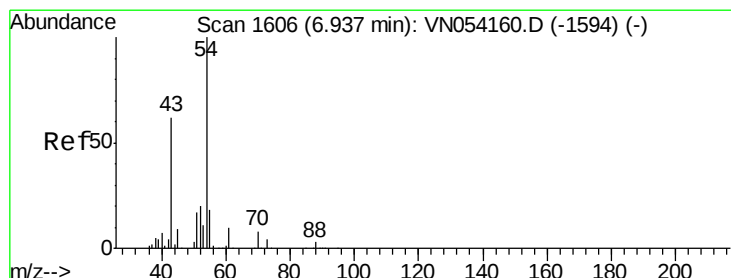
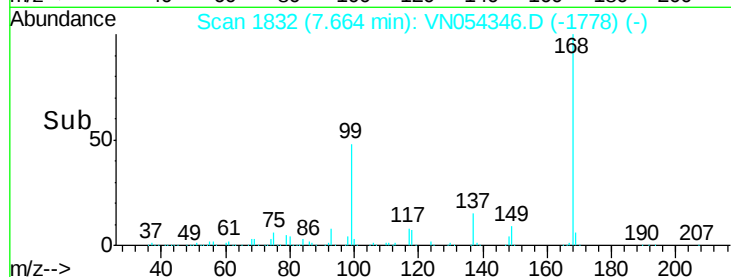
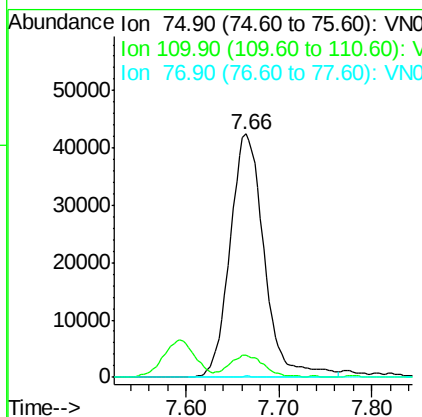
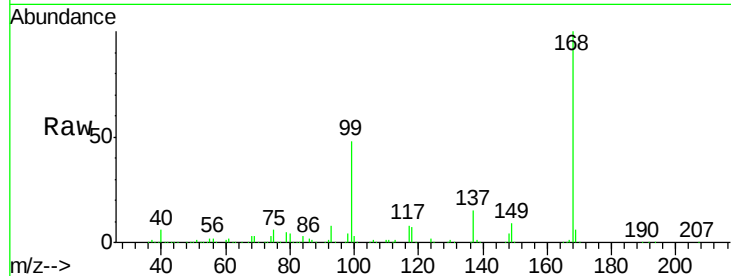




#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

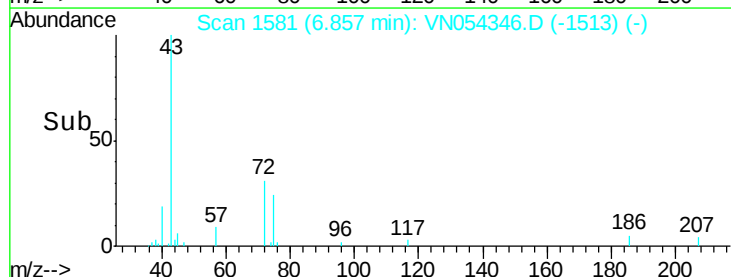
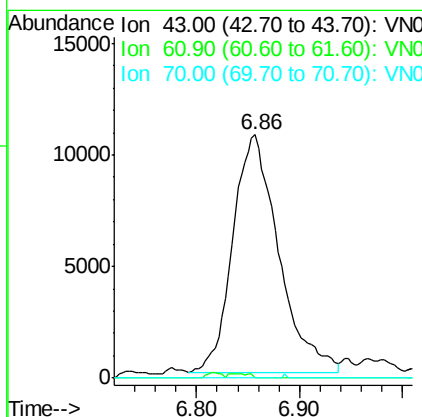
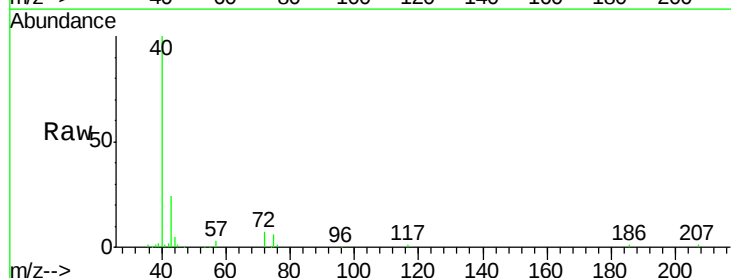
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-031519

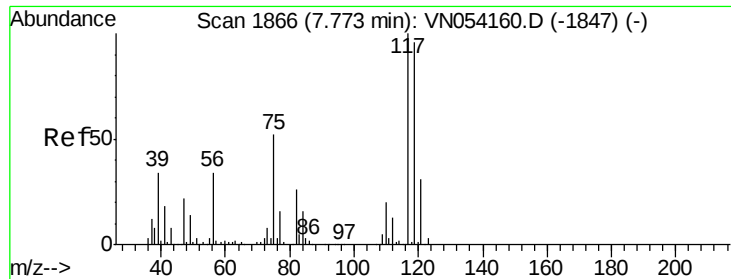
Tot Ion	75	Resp	108834
Ion Ratio	Lower	Upper	
75	100		
110	9.4	19.1	57.5#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 2.394 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. -0.08 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

Tgt Ion	43	Resp	32945
Ion Ratio	Lower	Upper	
43	100		
61	0.9	11.8	17.6#
70	0.0	8.4	12.6#

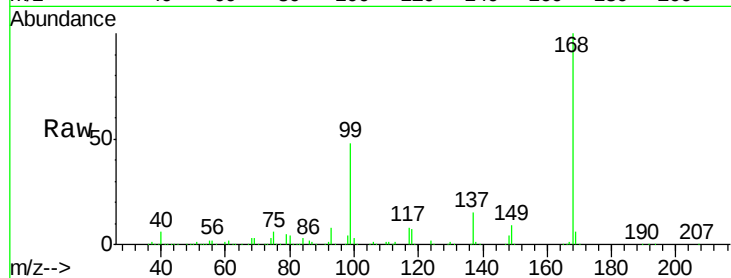




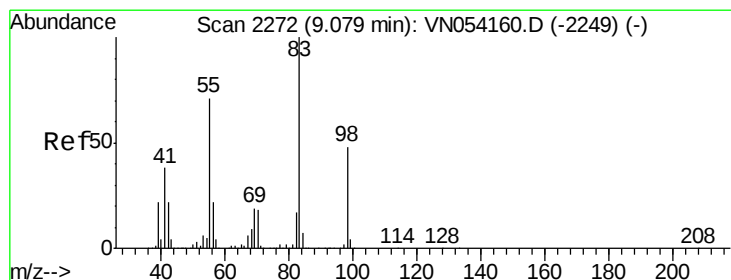
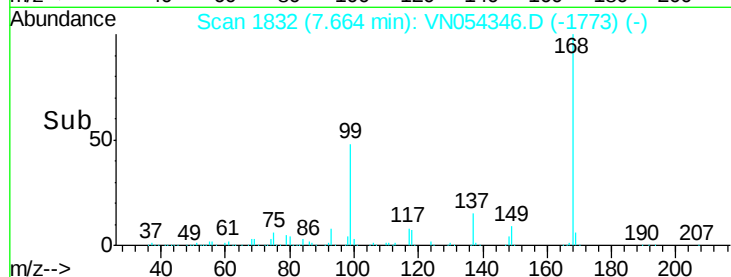
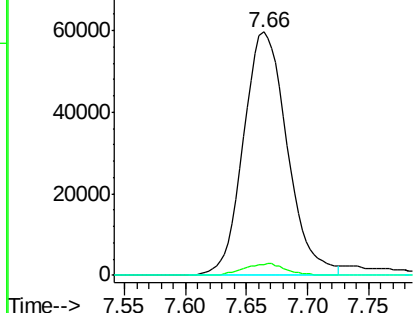
#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-031519

Tot Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.3	114.5#
121	0.0	24.6	36.8#

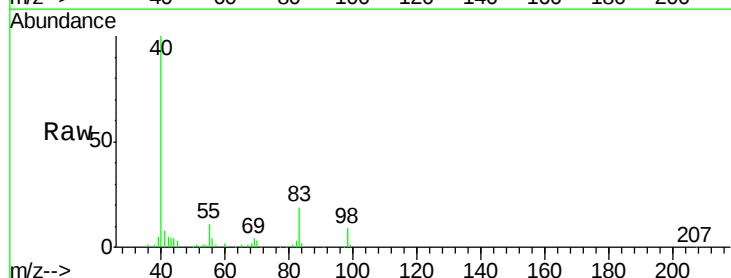


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

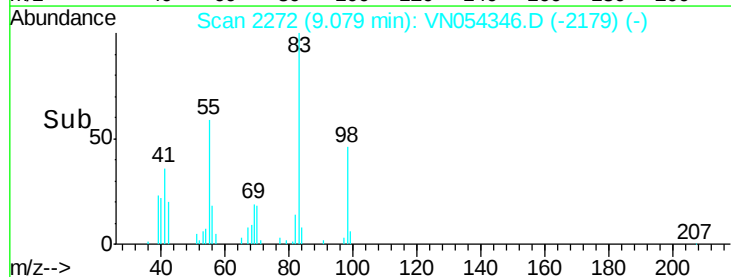
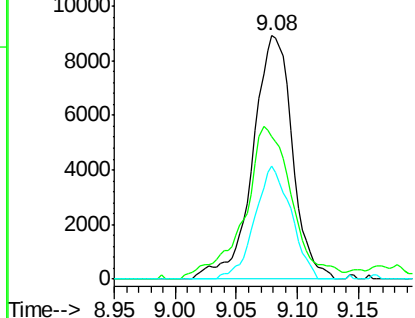


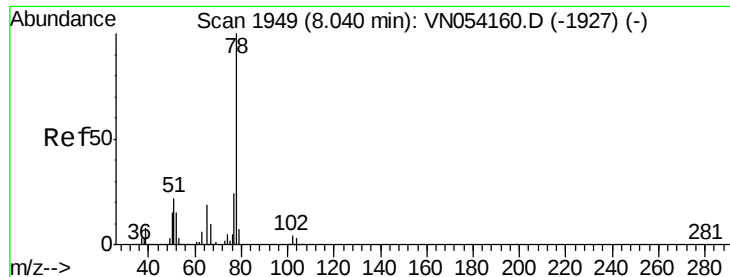
#39
Methylcyclohexane
Concen: 0.683 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	56.5	56.6	84.8#
98	46.4	38.4	57.6



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.879 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

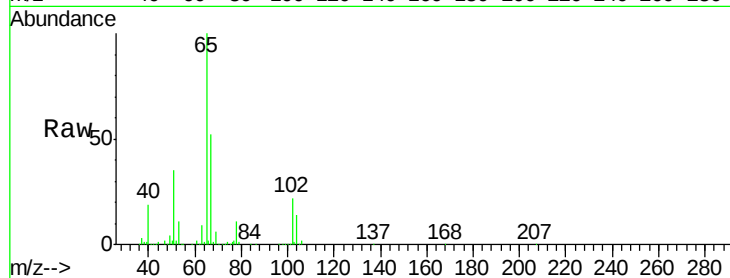
T11-MW-13-8.0-031519

Tot Ion: 78 Resp: 60211

Ion Ratio Lower Upper

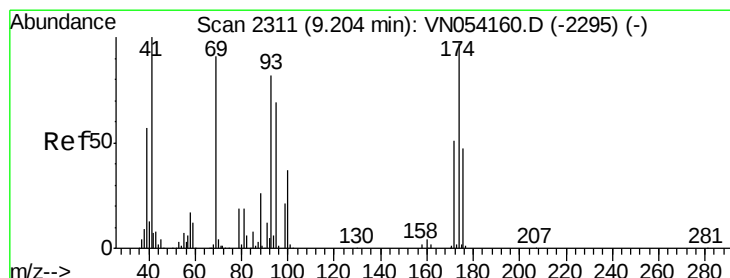
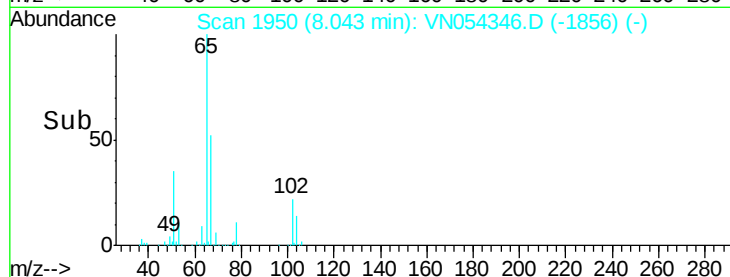
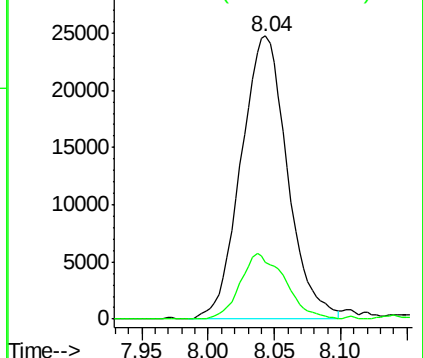
78 100

77 20.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

1,4-Dioxane

Concen: 0.623 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

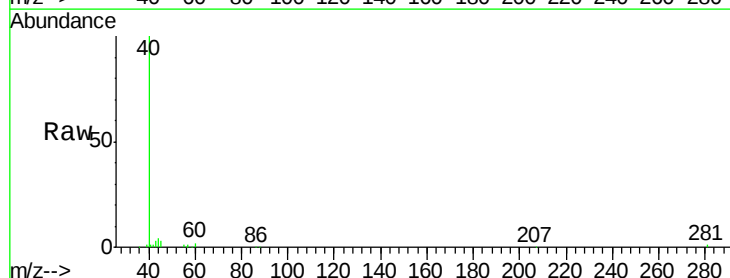
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

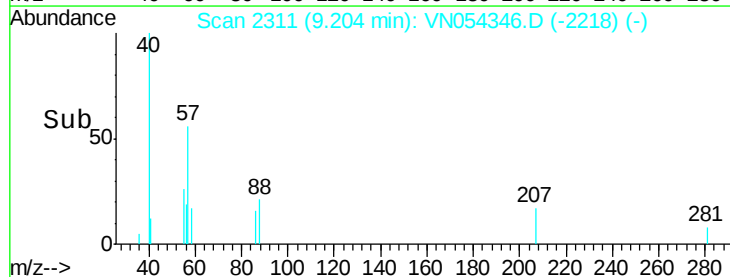
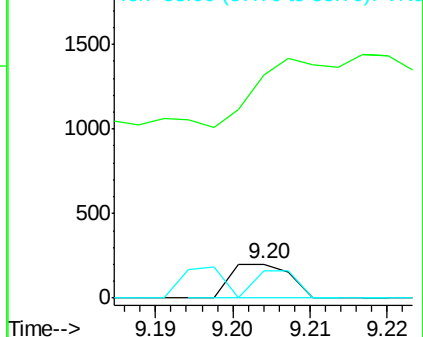
58 57.4 50.8 76.2

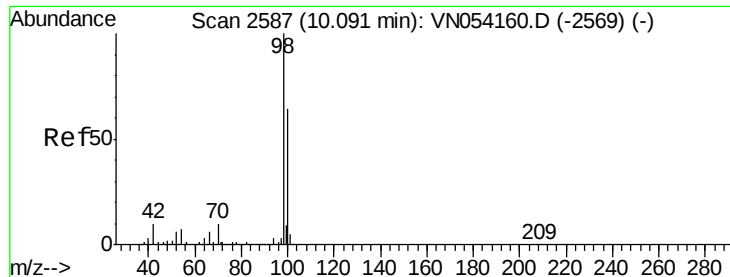


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 48.081 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

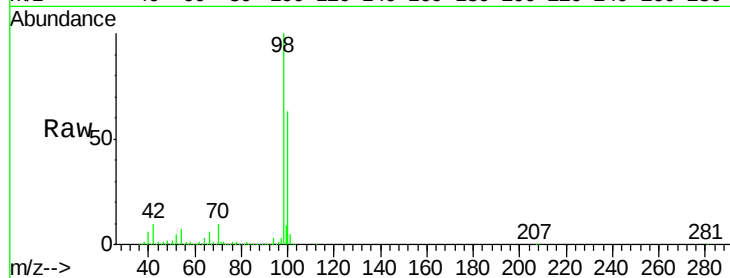
T11-MW-13-8.0-031519

Tot Ion: 98 Resp: 2977957

Ion Ratio Lower Upper

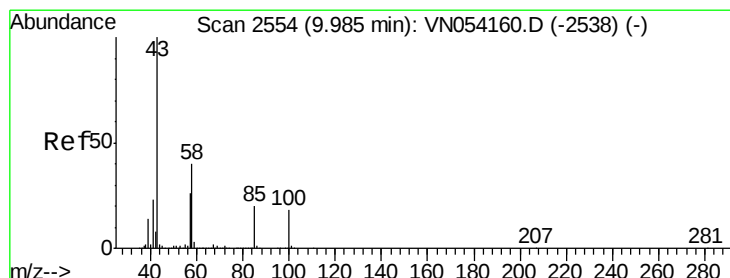
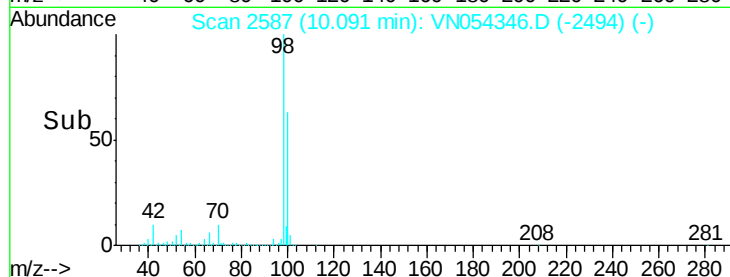
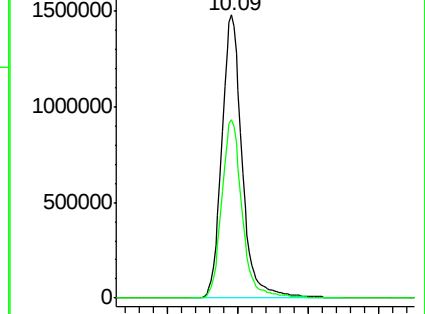
98 100

100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.287 ug/l

RT: 9.99 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN054346.D

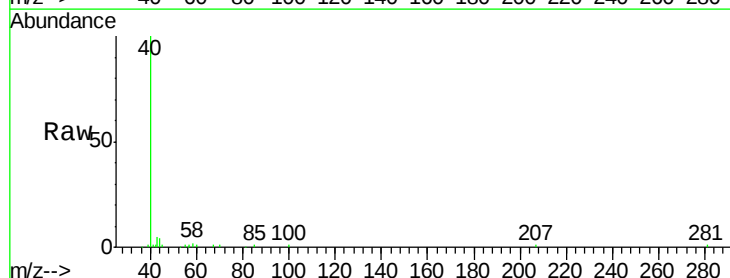
Acq: 16 Mar 2019 19:30

Tgt Ion: 43 Resp: 3671

Ion Ratio Lower Upper

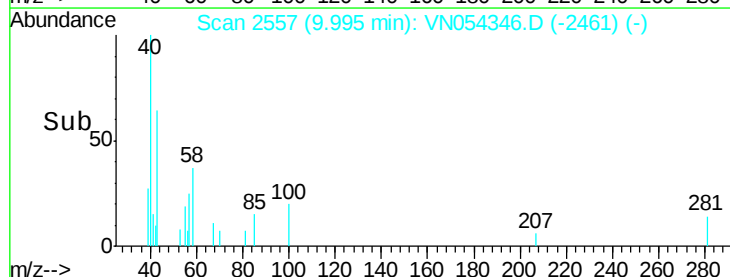
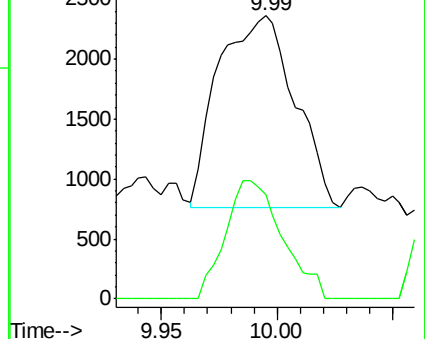
43 100

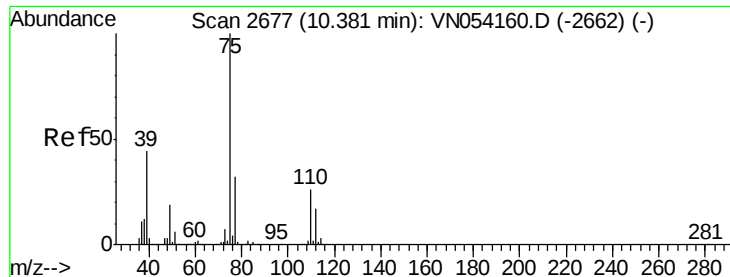
58 45.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)





#53

t-1,3-Dichloropropene

Concen: 1.988 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.03 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

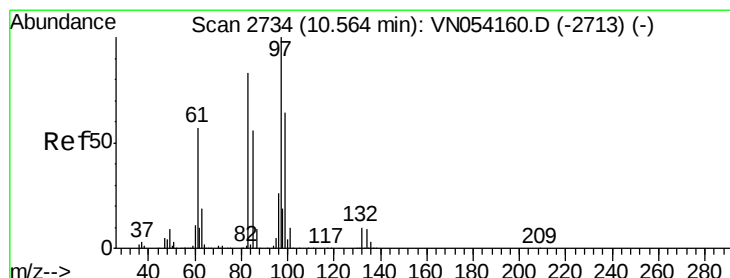
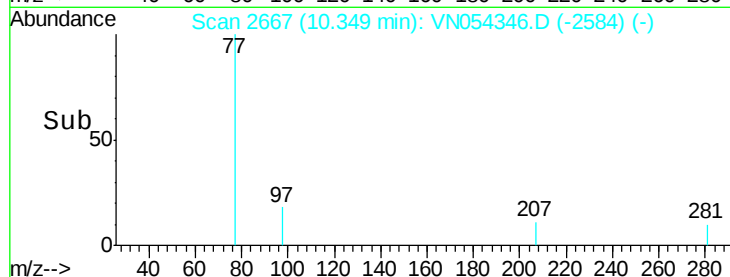
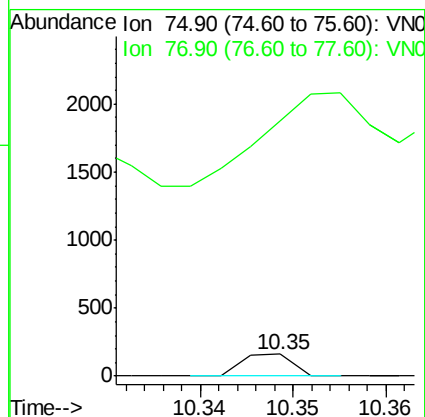
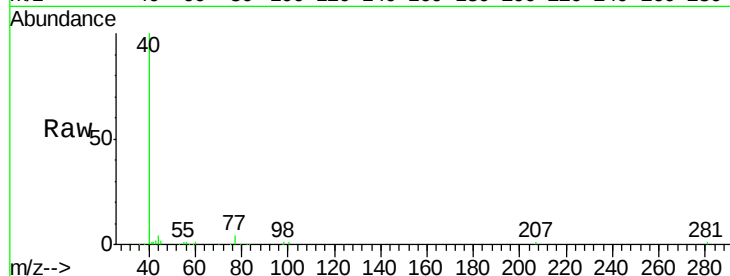
T11-MW-13-8.0-031519

Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 295.7 25.8 38.8#



#55

1,1,2-Trichloroethane

Concen: 0.363 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Tgt Ion: 97 Resp: 5766

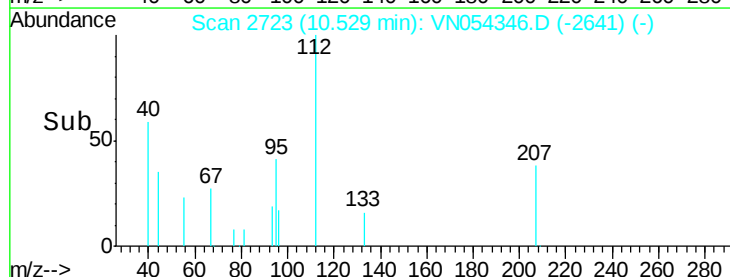
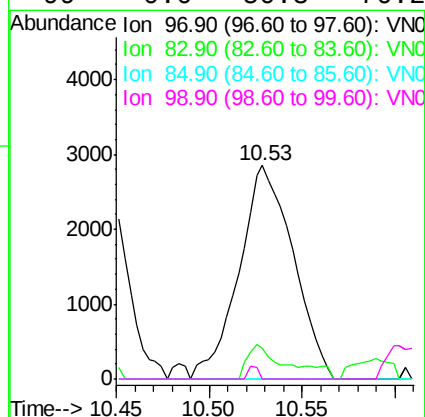
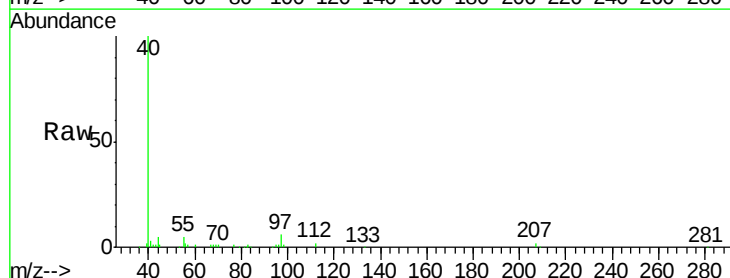
Ion Ratio Lower Upper

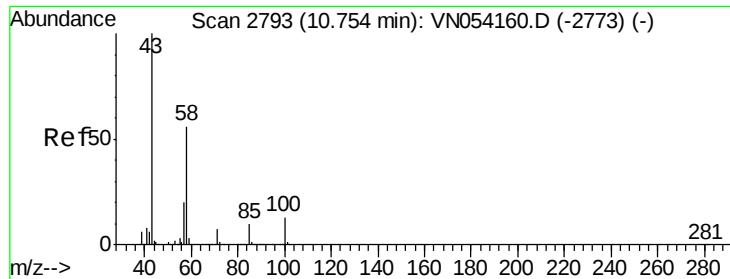
97 100

83 14.3 66.6 100.0#

85 0.0 44.4 66.6#

99 0.0 50.8 76.2#





#59

2-Hexanone

Concen: 1.834 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. -0.14 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

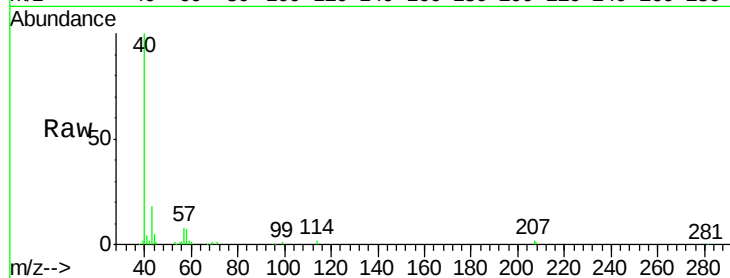
T11-MW-13-8.0-031519

Tot Ion: 43 Resp: 15594

Ion Ratio Lower Upper

43 100

58 34.3 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.61

8000

6000

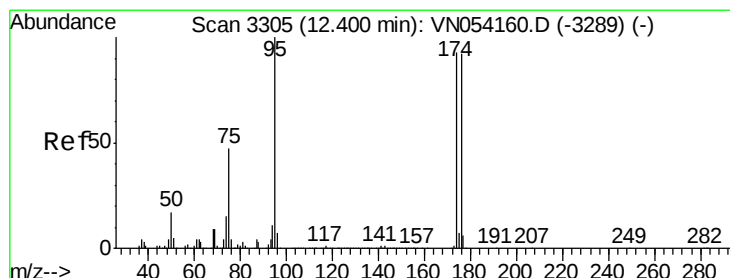
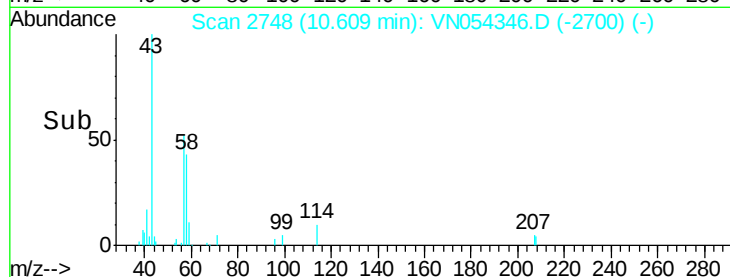
4000

2000

0

Time-->

10.55 10.60 10.65 10.70



#62

4-Bromofluorobenzene

Concen: 40.998 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

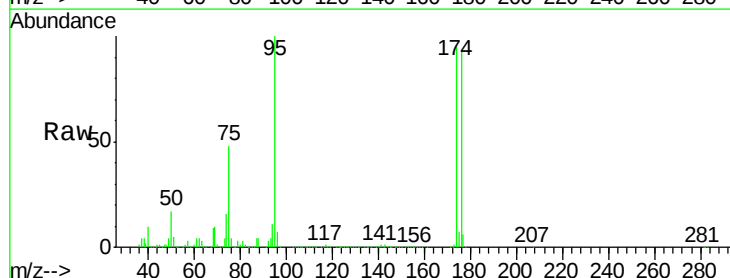
Tgt Ion: 95 Resp: 888489

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

176 93.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

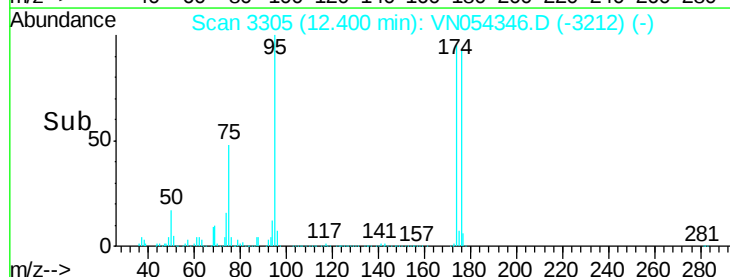
400000

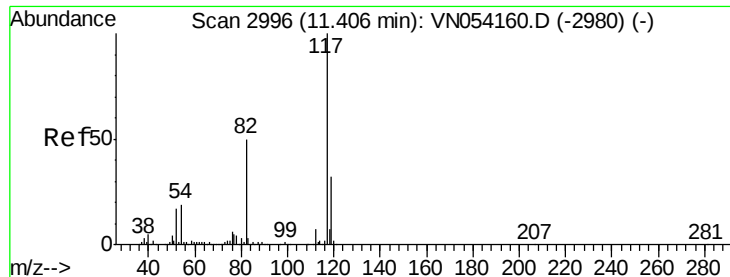
200000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-031519

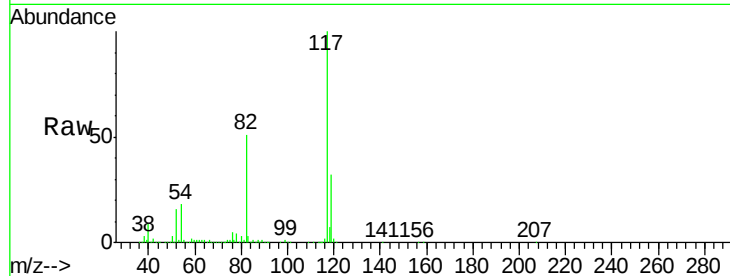
Tot Ion:117 Resp: 2134032

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

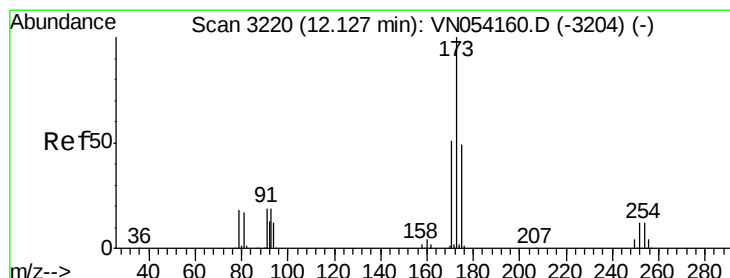
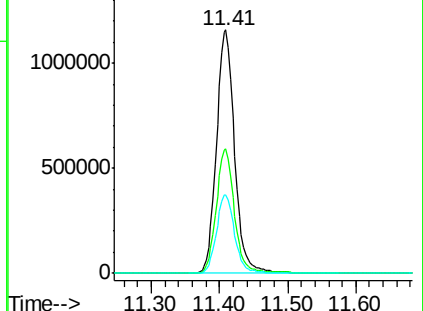
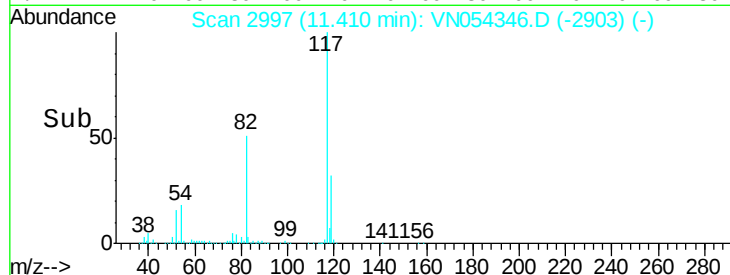
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 2.739 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

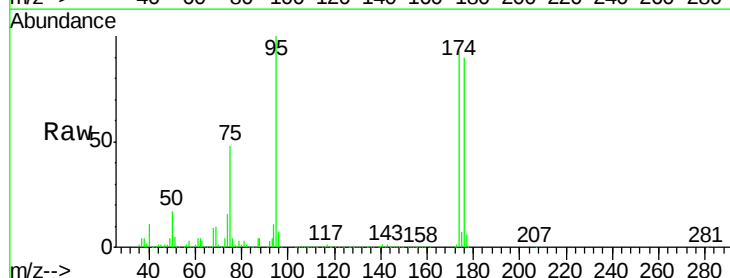
Tgt Ion:173 Resp: 5286

Ion Ratio Lower Upper

173 100

175 993.2 24.4 73.2#

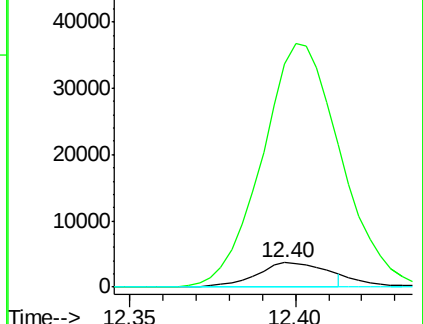
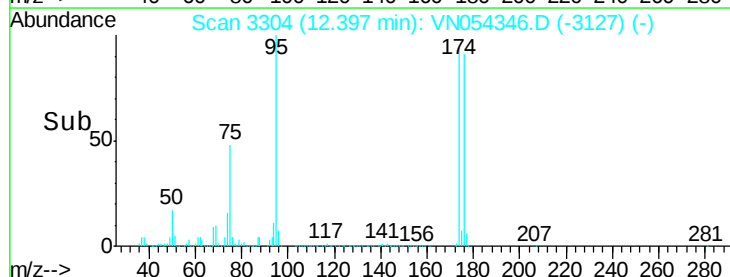
254 0.0 0.1 0.1#

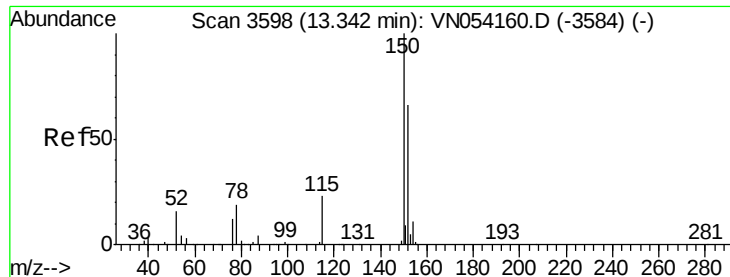


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-031519

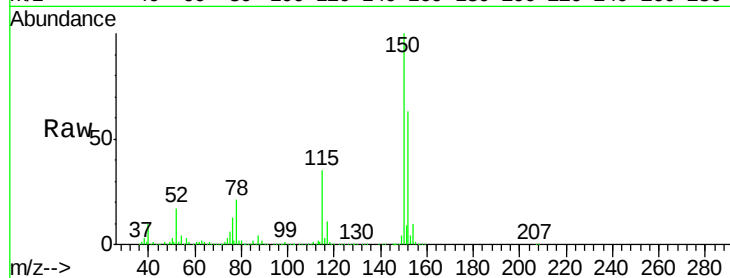
Tot Ion:152 Resp: 794710

Ion Ratio Lower Upper

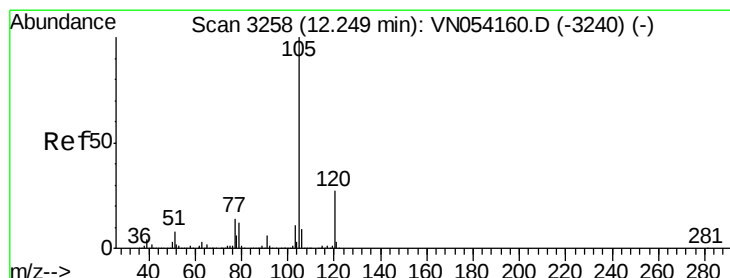
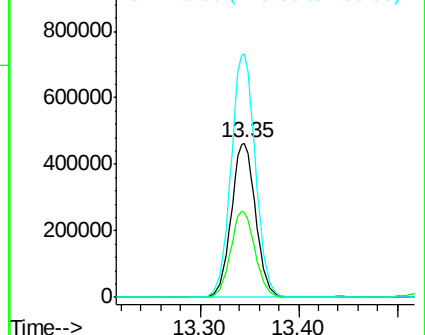
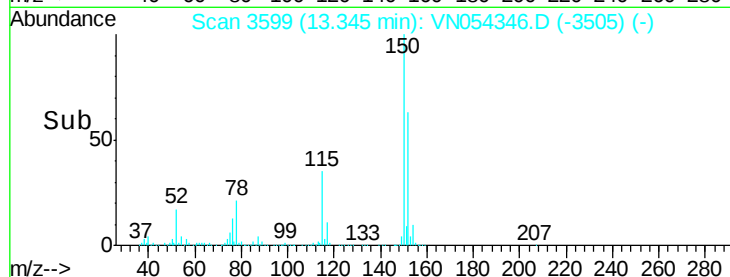
152 100

115 55.8 27.2 81.6

150 158.0 0.0 349.2



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: 3.613 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054346.D

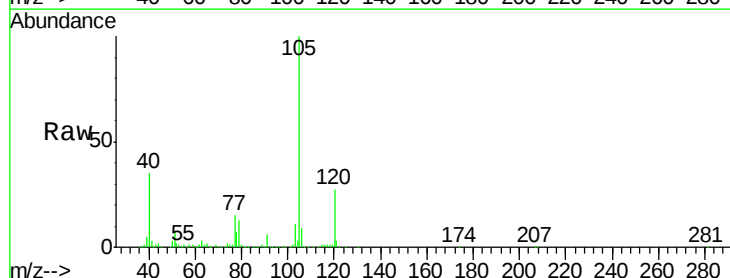
Acq: 16 Mar 2019 19:30

Tgt Ion:105 Resp: 229718

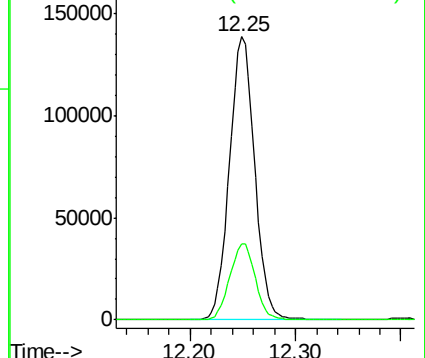
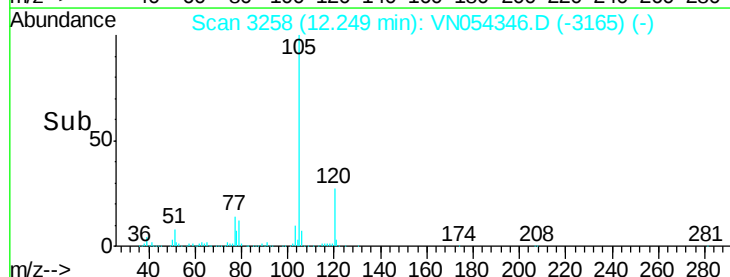
Ion Ratio Lower Upper

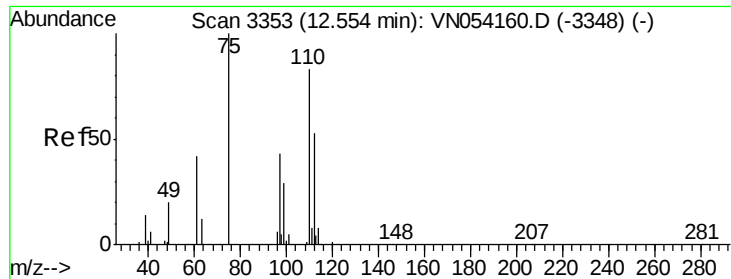
105 100

120 27.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 36.171 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

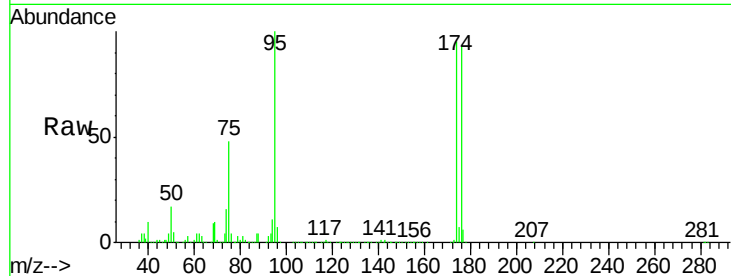
T11-MW-13-8.0-031519

Tot Ion: 75 Resp: 422714

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3348) (-)

12.40

250000

200000

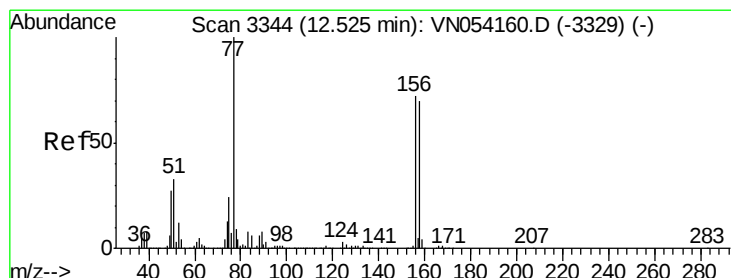
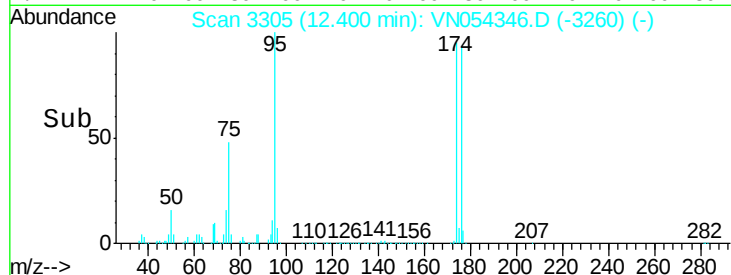
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 0.472 ug/l

RT: 12.54 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

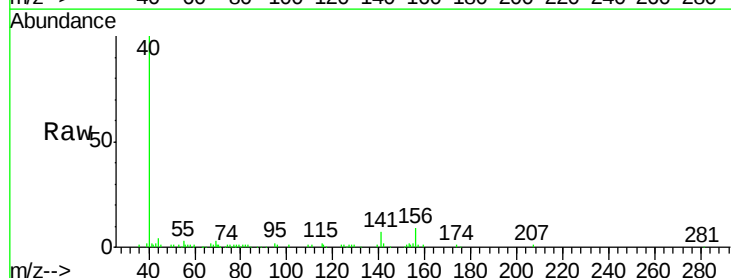
Tgt Ion: 156 Resp: 7943

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

158 1.9 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): VN054160.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN054160.D (-3329) (-)

12.54

6000

5000

4000

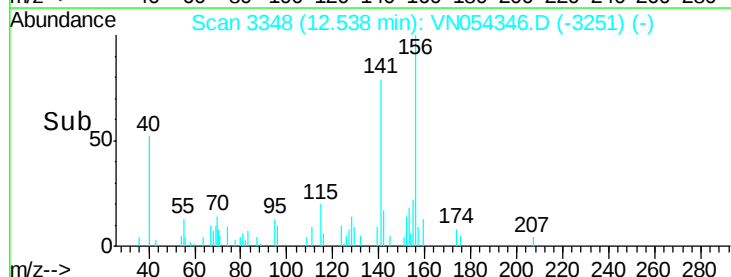
3000

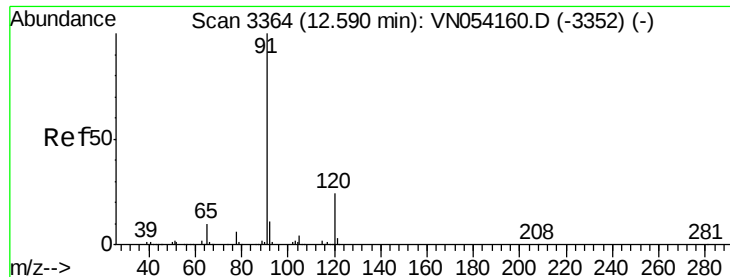
2000

1000

0

Time--> 12.45 12.50 12.55





#78

n-propylbenzene

Concen: 4.407 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

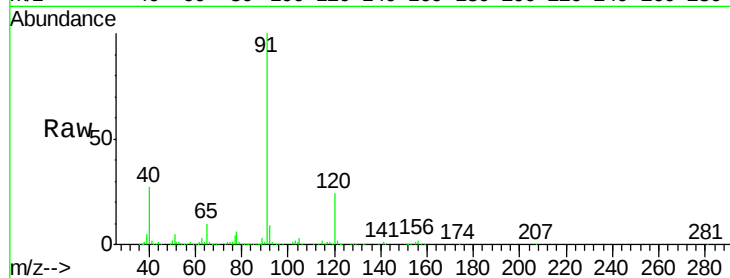
T11-MW-13-8.0-031519

Tot Ion: 91 Resp: 304037

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

200000

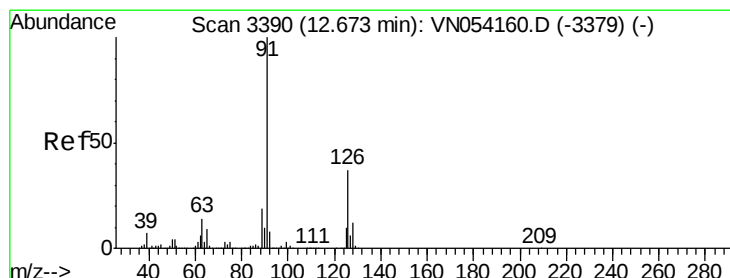
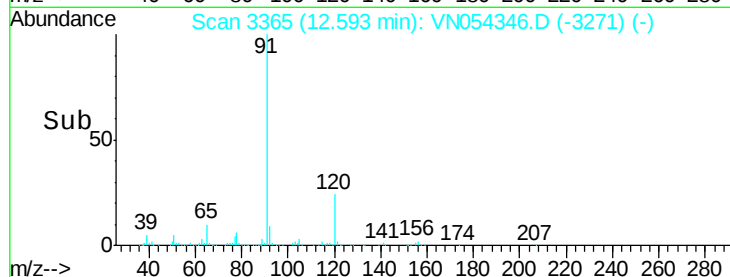
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: 7.329 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN054346.D

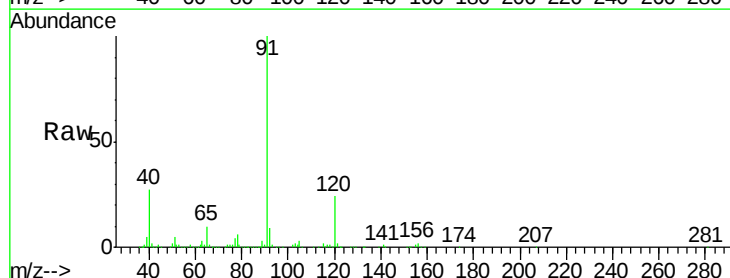
Acq: 16 Mar 2019 19:30

Tgt Ion: 91 Resp: 304037

Ion Ratio Lower Upper

91 100

126 0.1 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.59

200000

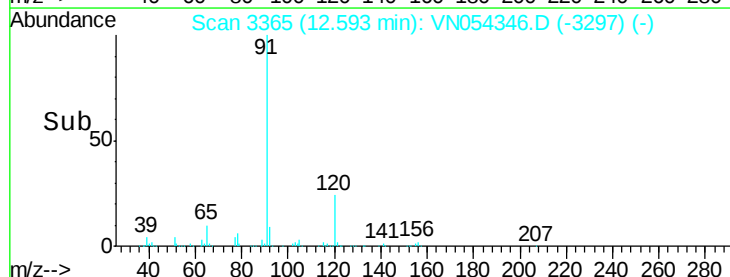
150000

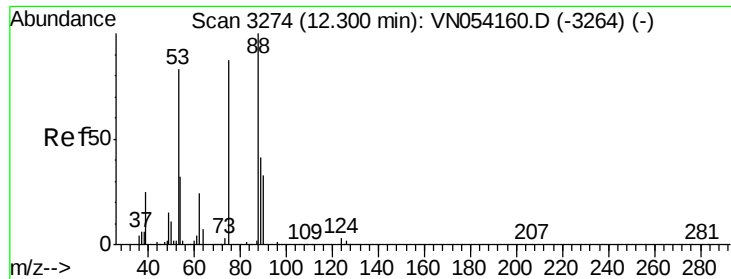
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 123.648 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-031519

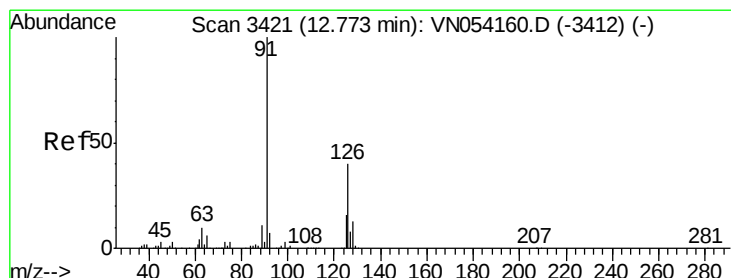
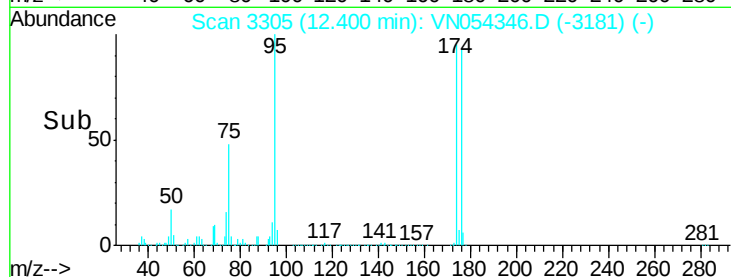
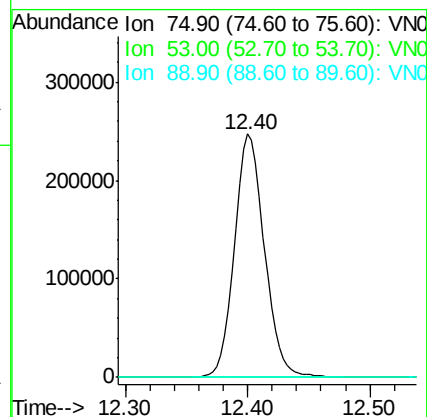
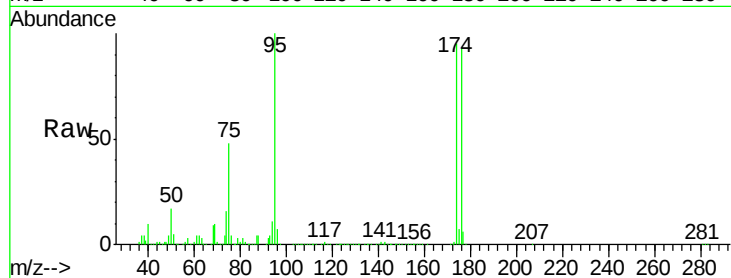
Tot Ion: 75 Resp: 422714

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 7.340 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN054346.D

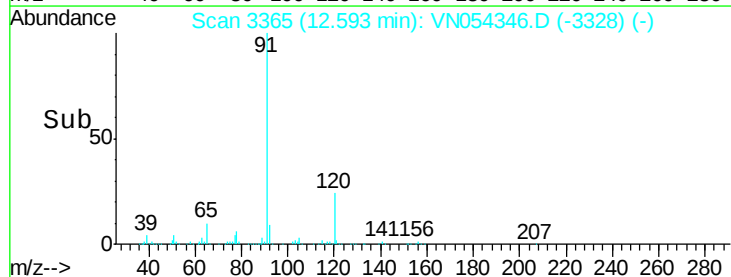
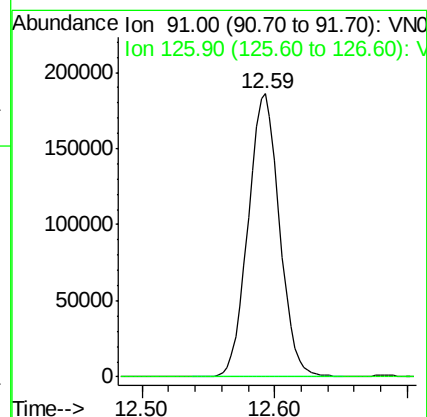
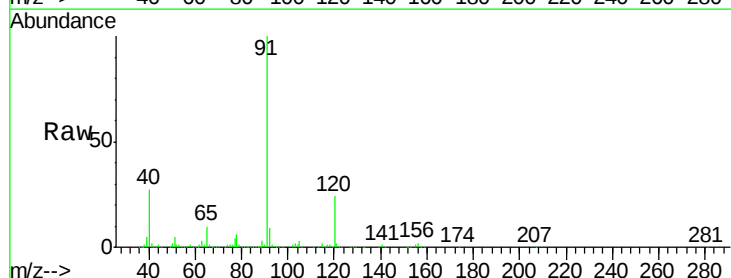
Acq: 16 Mar 2019 19:30

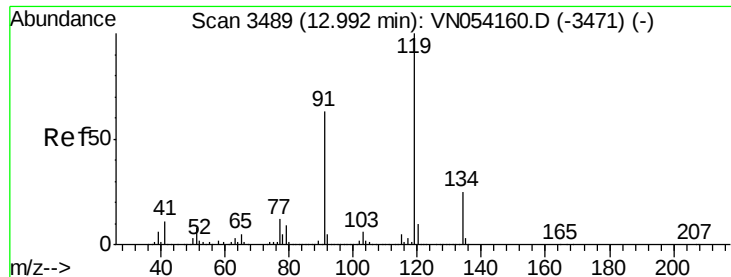
Tgt Ion: 91 Resp: 304037

Ion Ratio Lower Upper

91 100

126 0.1 18.1 54.1#

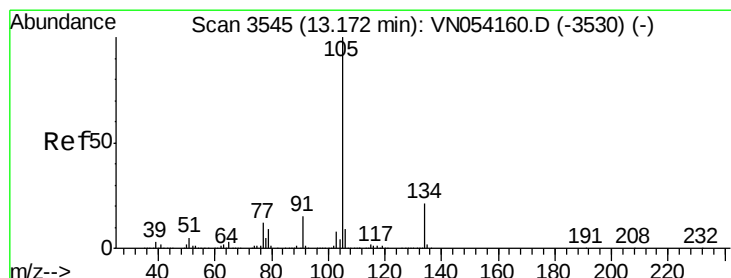
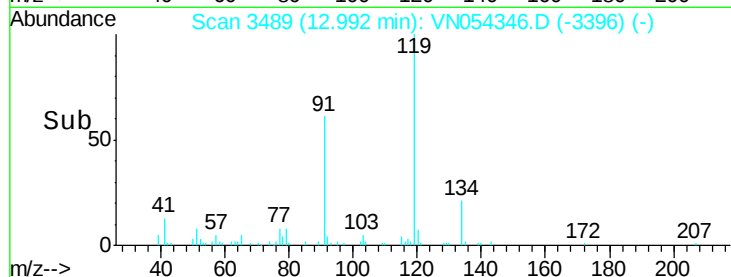
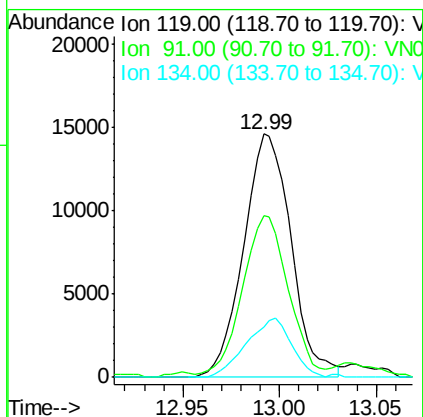
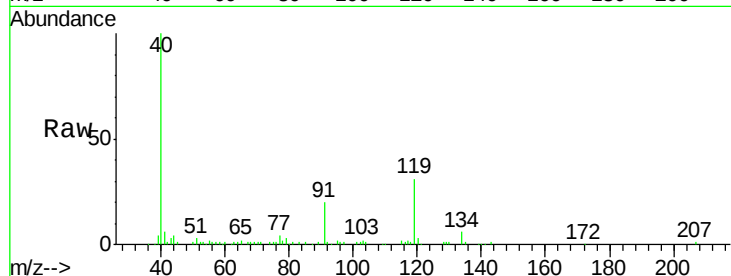




#83
tert-Butylbenzene
Concen: 0.511 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

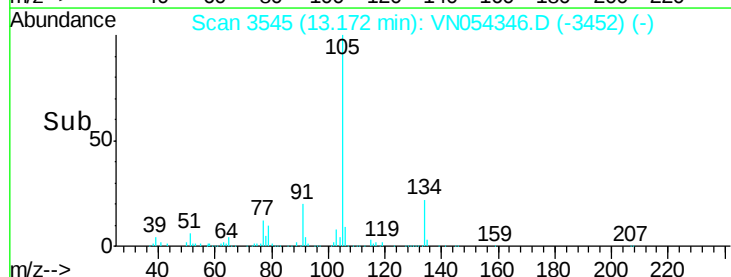
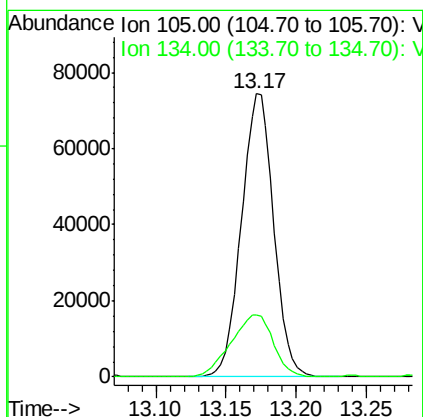
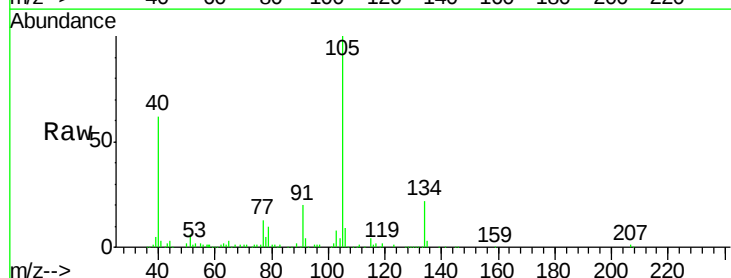
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-031519

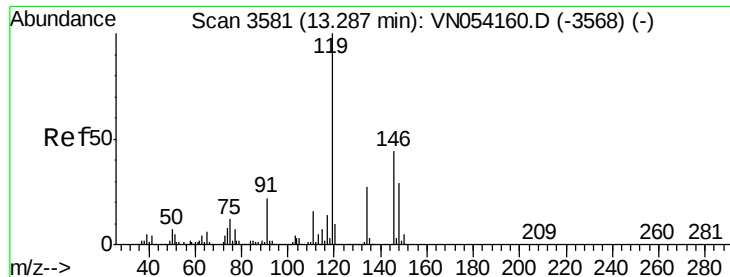
Tot Ion:119 Resp: 24869
Ion Ratio Lower Upper
119 100
91 62.3 30.9 92.8
134 23.2 13.2 39.6



#85
sec-Butylbenzene
Concen: 1.888 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion:105 Resp: 119213
Ion Ratio Lower Upper
105 100
134 28.7 10.7 32.1

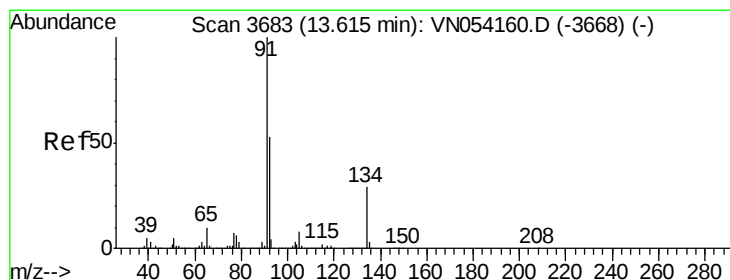
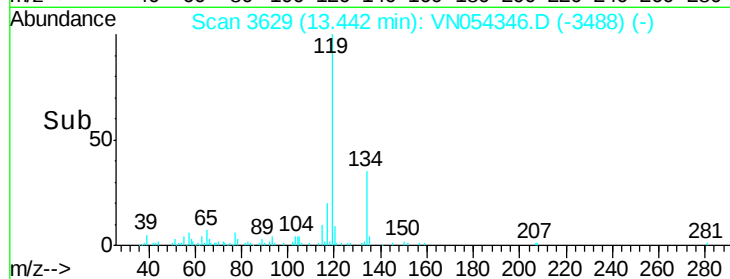
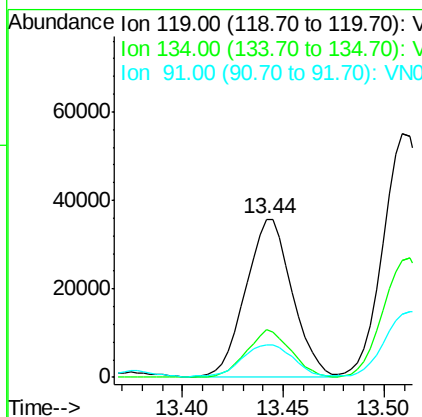
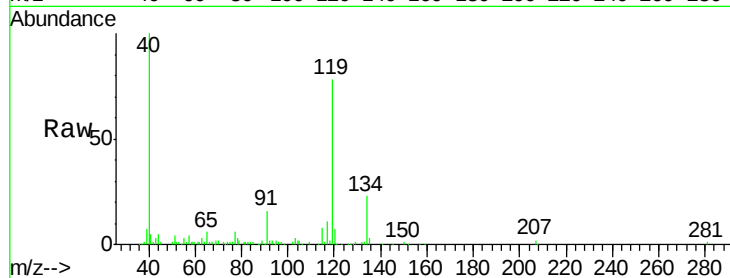




#86
 p-Isopropyltoluene
 Concen: 1.045 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

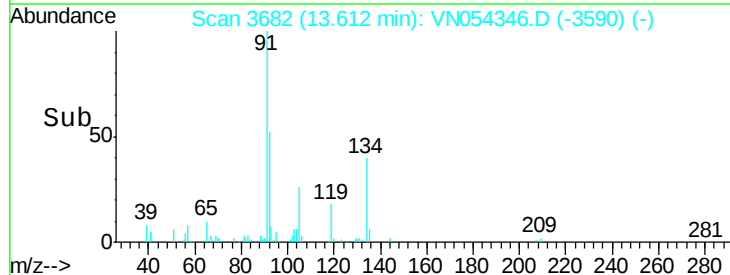
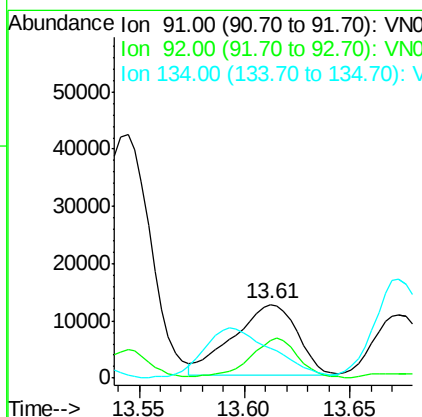
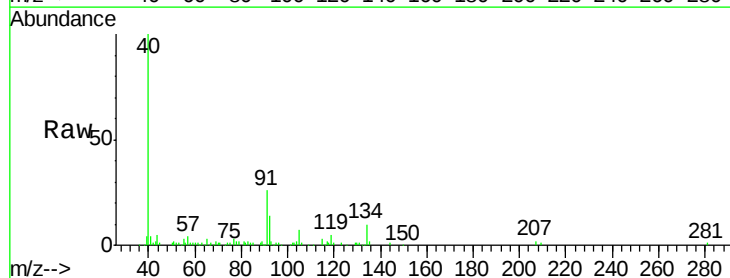
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-031519

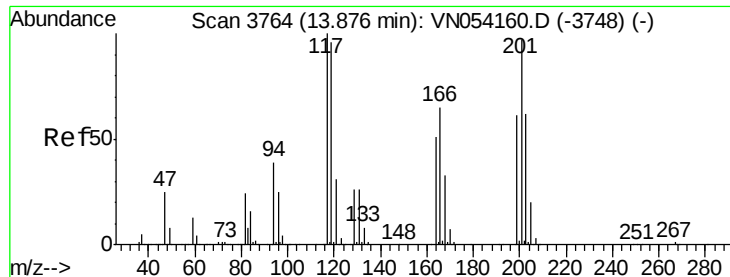
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.6	40.8
91	21.7	11.1	33.3



#89
 n-Butylbenzene
 Concen: 0.633 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054346.D
 Acq: 16 Mar 2019 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.5	26.2	78.6
134	0.0	14.3	42.9





#90

Hexachloroethane

Concen: 3.374 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

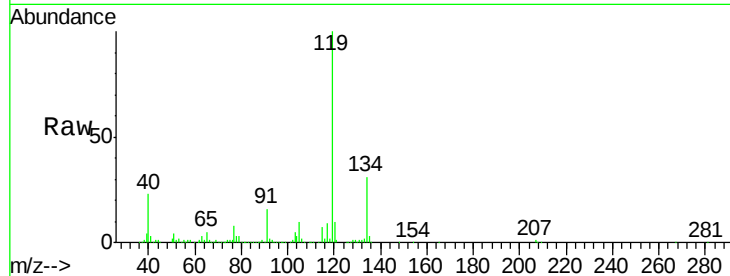
T11-MW-13-8.0-031519

Tot Ion:117 Resp: 30942

Ion Ratio Lower Upper

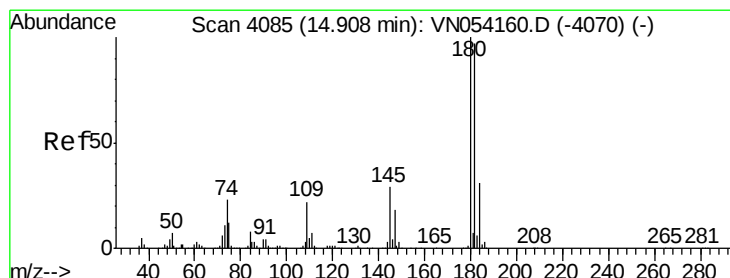
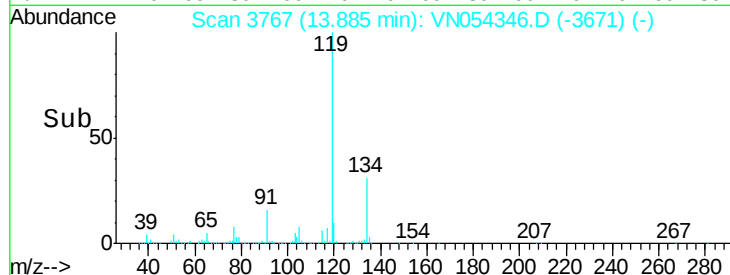
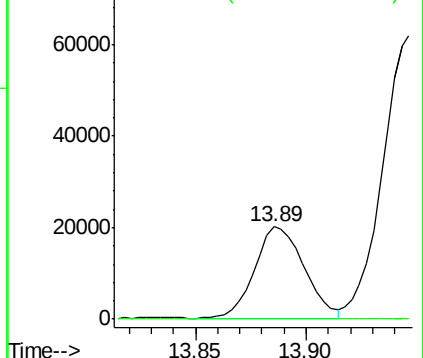
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.549 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

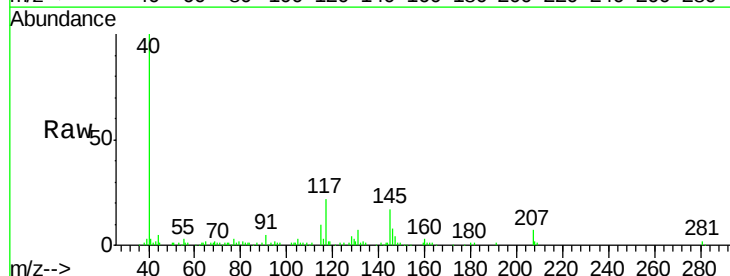
Tgt Ion:180 Resp: 574

Ion Ratio Lower Upper

180 100

182 100.5 48.0 144.2

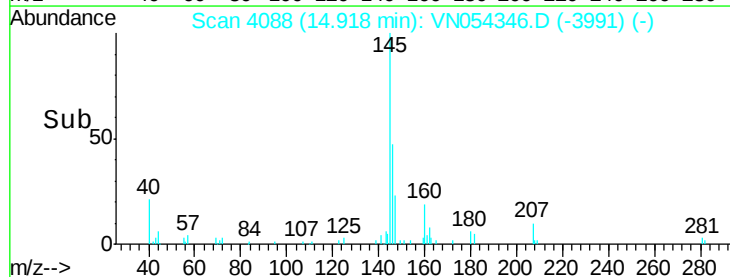
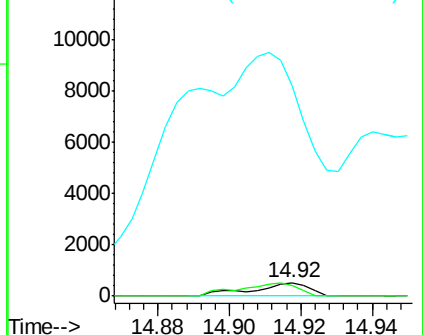
145 0.0 14.2 42.8#

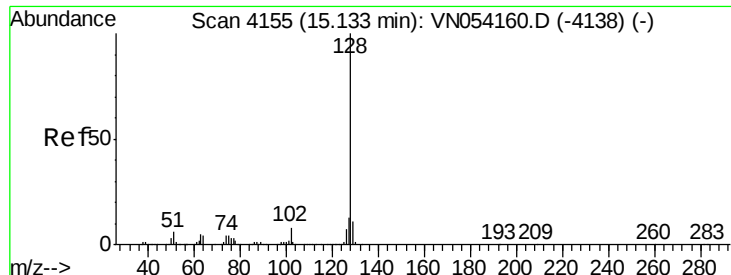


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 7.546 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-031519

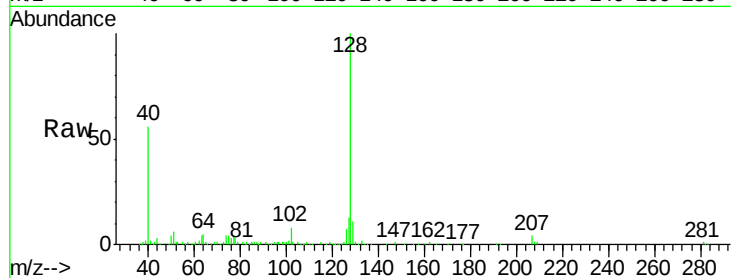
Tot Ion:128 Resp: 152665

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 11.2 8.7 13.1



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

