

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054164.D
 Acq On : 12 Mar 2019 14:59
 Operator : JC/SP
 Sample : VN0312WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBL01

Quant Time: Mar 13 07:23:29 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	7.66	168	1437393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2289828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2304550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	985134	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	744974	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	7.59	113	714771	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	10.09	98	2801682	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	1087204	56.97	ug/l	0.00
Spiked Amount			Recovery	=	113.94%	

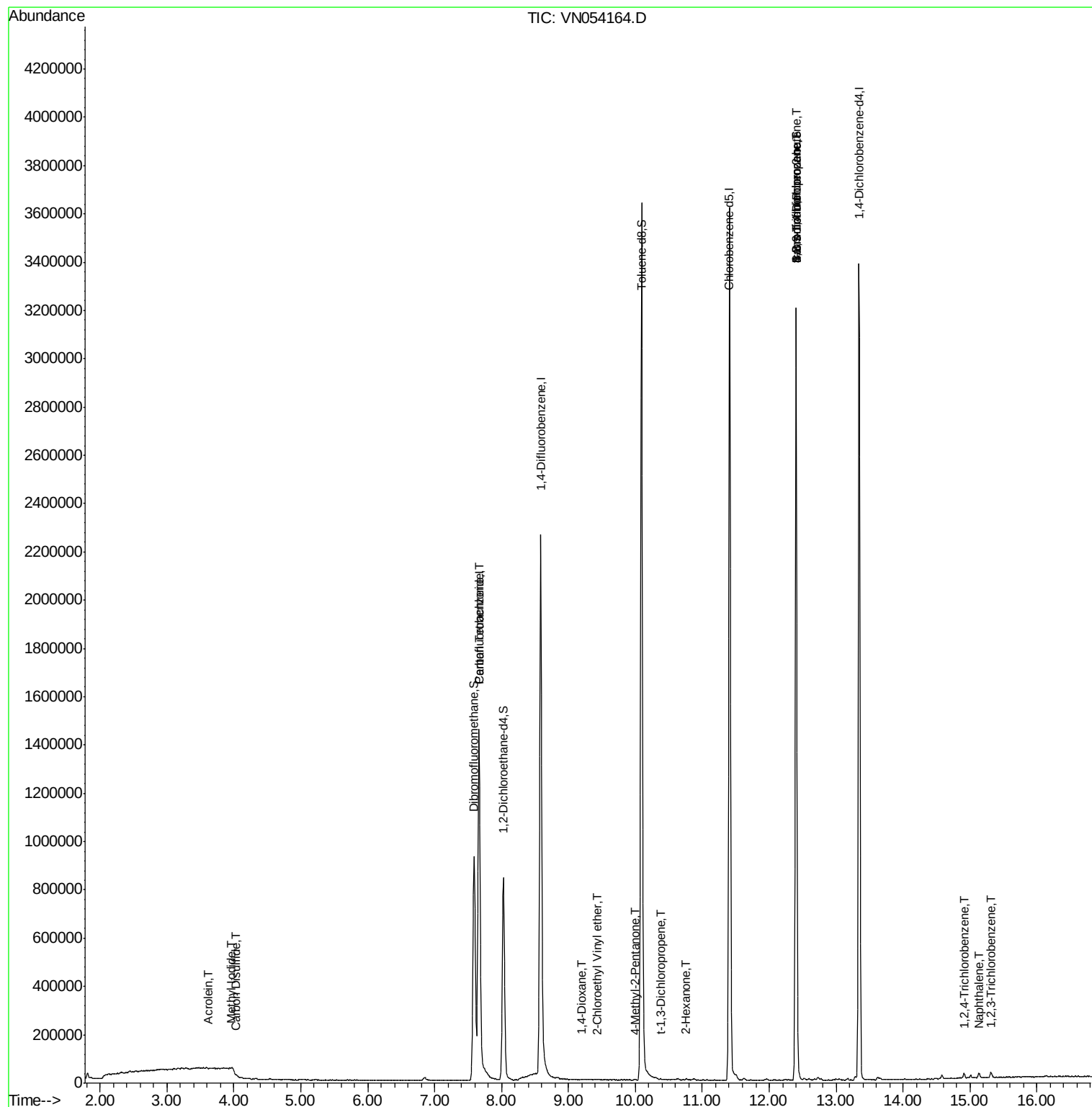
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	1579	1.569	ug/l #	78
13) Acrolein	3.61	56	779	0.786	ug/l #	37
17) Carbon Disulfide	4.04	76	12913	0.345	ug/l #	93
31) Cyclohexane	7.67	56	20446	Below Cal	#	6
38) Carbon Tetrachloride	7.66	117	117646	5.320	ug/l #	15
49) 1,4-Dioxane	9.21	88	64	0.419	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2360	0.210	ug/l #	36
53) t-1,3-Dichloropropene	10.39	75	1252	2.038	ug/l #	9
58) 2-Chloroethyl Vinyl ether	9.42	63	61	16.836	ug/l #	44
59) 2-Hexanone	10.76	43	1927	0.257	ug/l #	46
71) Bromoform	12.40	173	6183	2.771	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	519672	35.872	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	519672	122.627	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	7248	2.848	ug/l	99
95) Naphthalene	15.13	128	17841	3.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	8308	0.455	ug/l	99

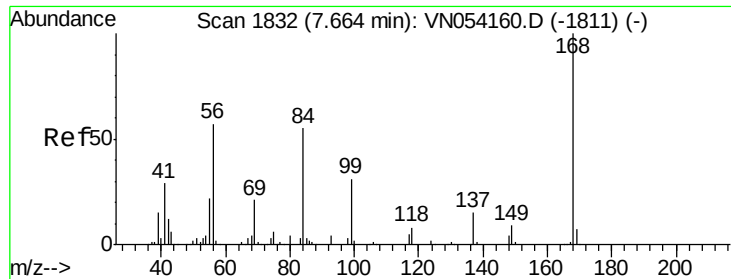
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

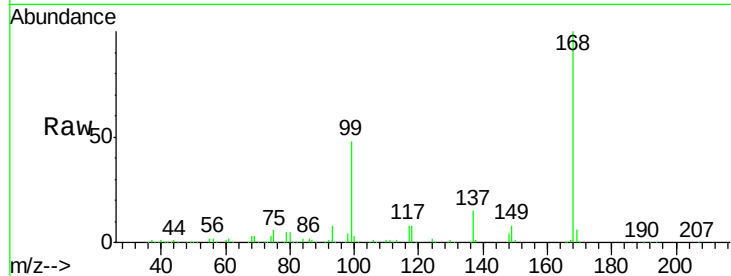
VN0312WBL01

Tot Ion:168 Resp: 1437393

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

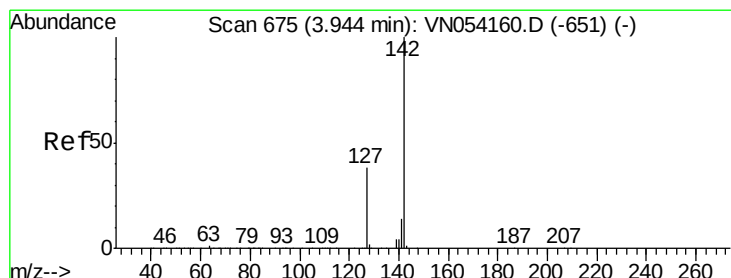
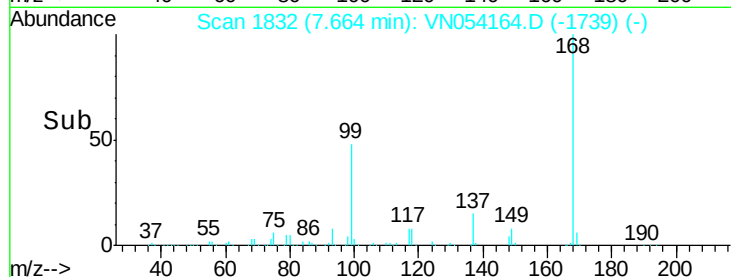
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 1.569 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

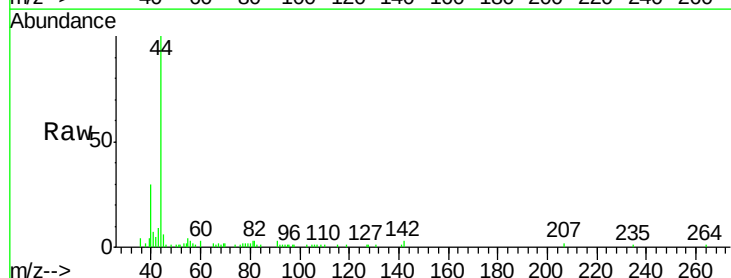
Tgt Ion:142 Resp: 1579

Ion Ratio Lower Upper

142 100

127 21.0 30.3 45.5#

141 17.0 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

1000

800

600

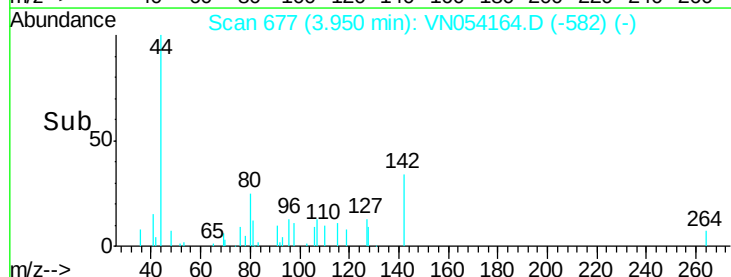
400

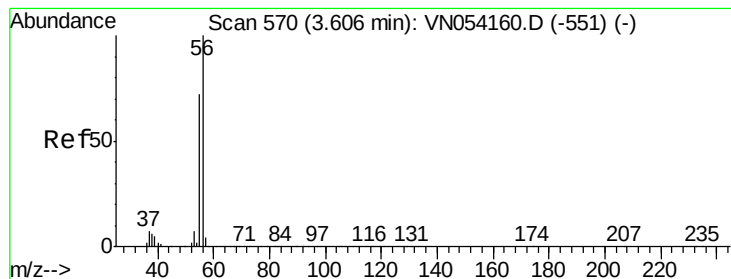
200

0

3.90 3.95

Time-->





#13

Acrolein

Concen: 0.786 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

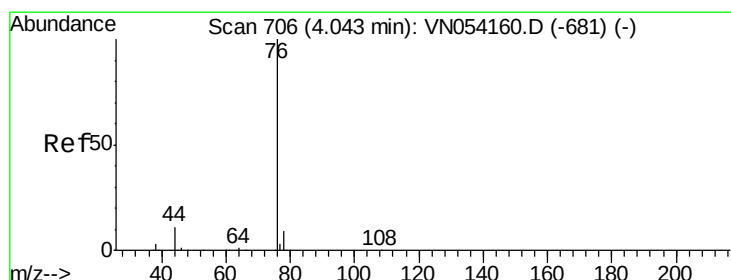
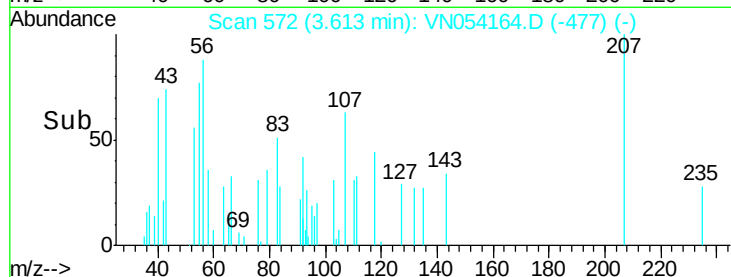
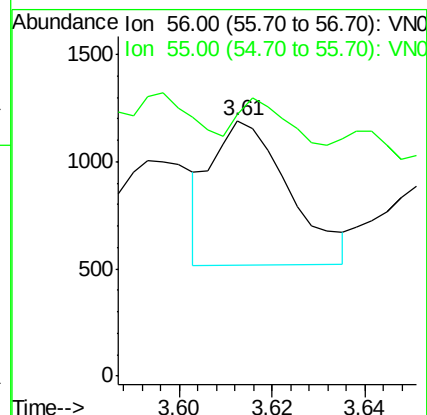
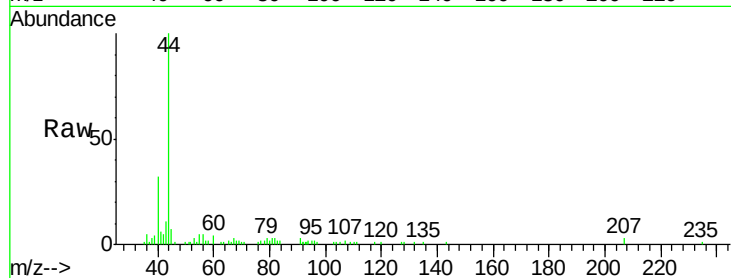
VN0312WBL01

Tot Ion: 56 Resp: 779

Ion Ratio Lower Upper

56 100

55 19.1 56.7 85.1#



#17

Carbon Disulfide

Concen: 0.345 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054164.D

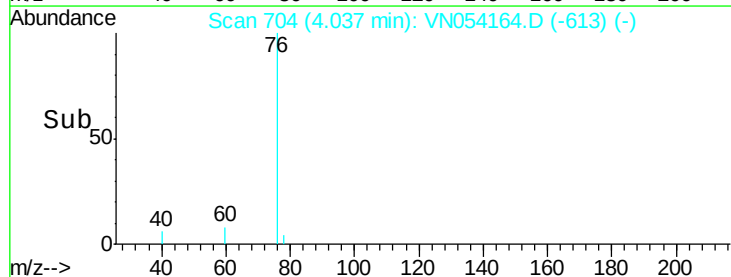
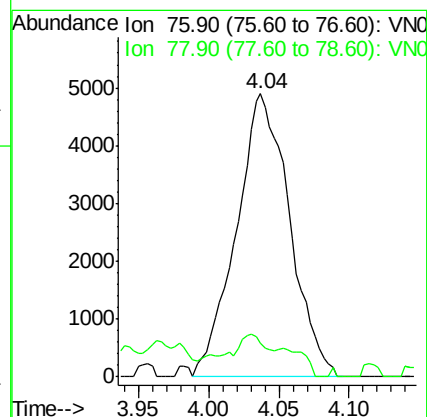
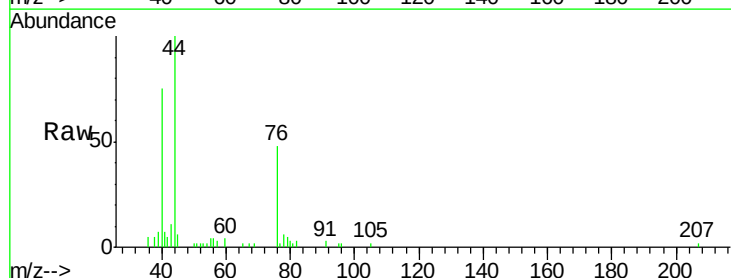
Acq: 12 Mar 2019 14:59

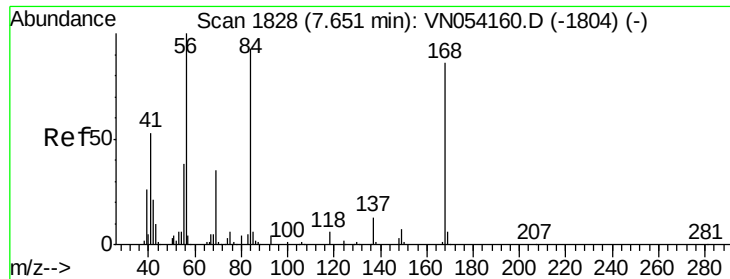
Tgt Ion: 76 Resp: 12913

Ion Ratio Lower Upper

76 100

78 11.8 7.5 11.3#

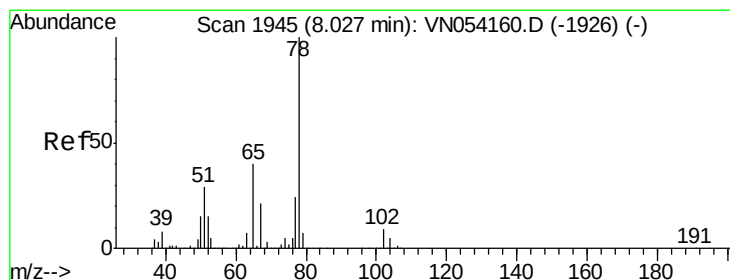
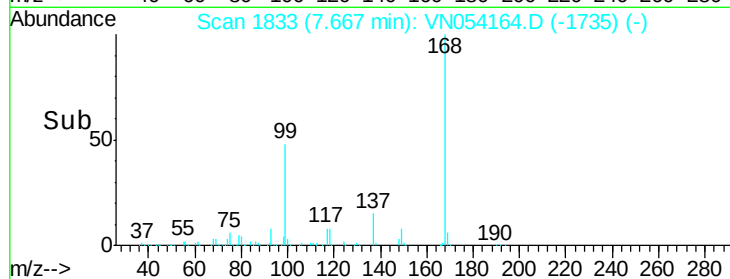
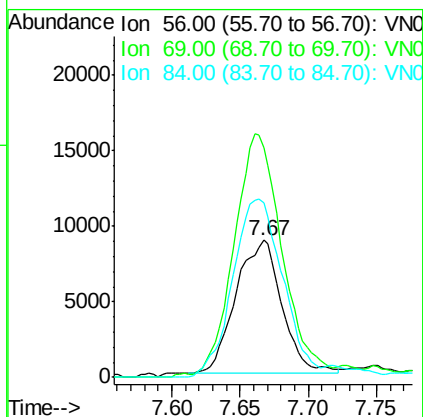
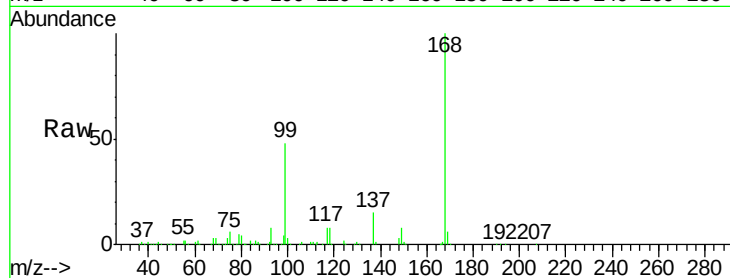




#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

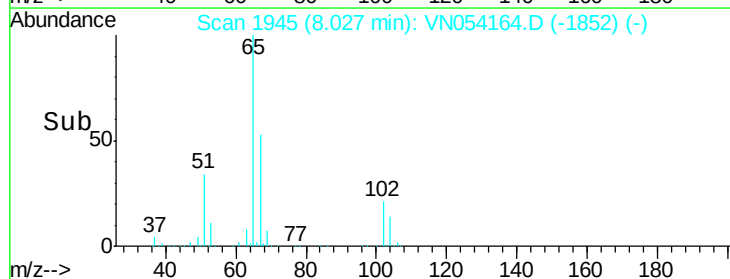
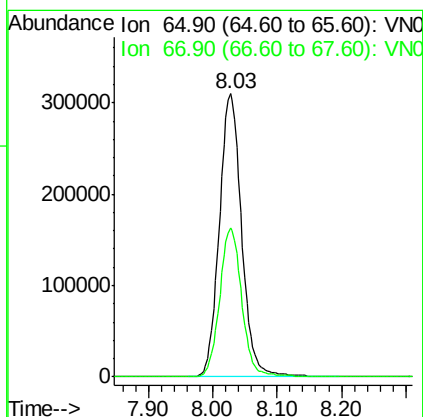
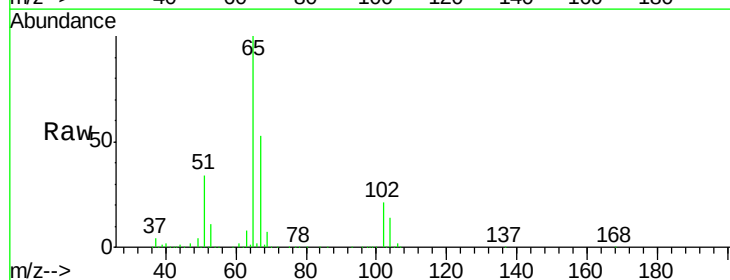
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

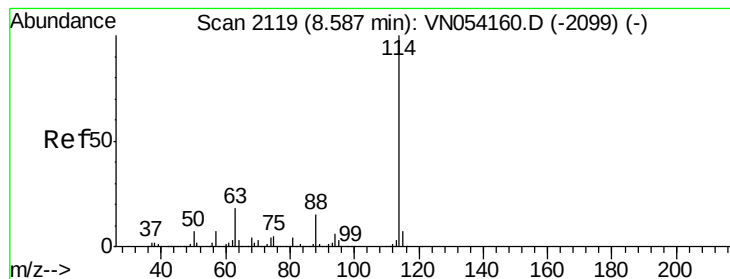
Tot Ion: 56 Resp: 20446
Ion Ratio Lower Upper
56 100
69 171.0 27.8 41.6#
84 132.3 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 48.802 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

Tgt Ion: 65 Resp: 744974
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBL01

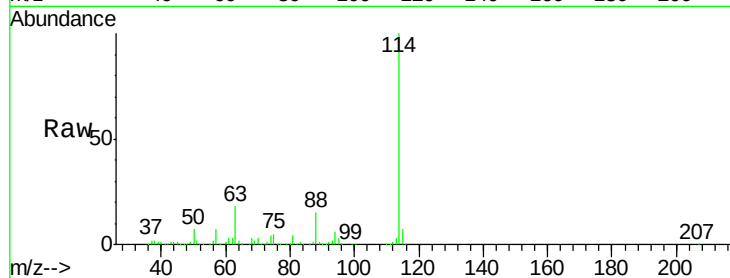
Tot Ion:114 Resp: 2289828

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

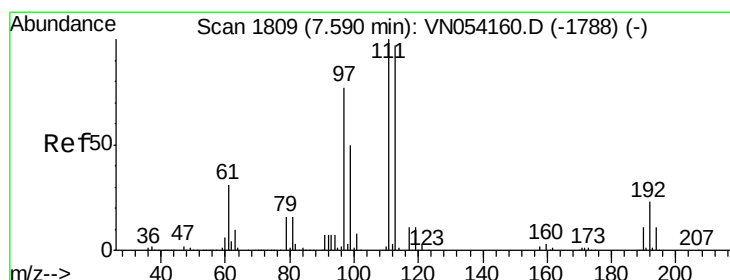
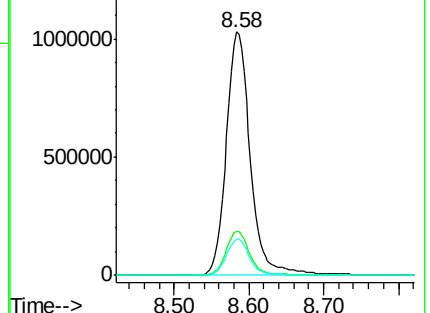
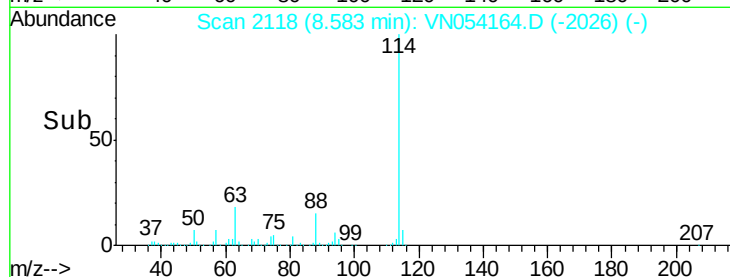
88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.399 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

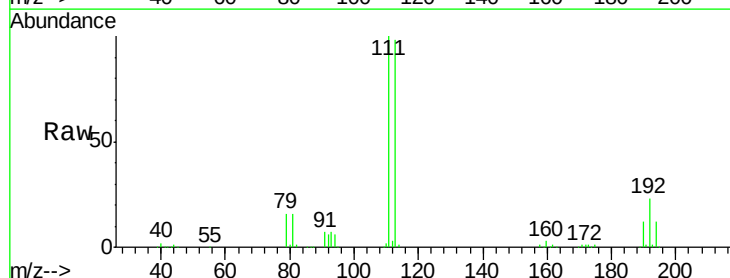
Tgt Ion:113 Resp: 714771

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

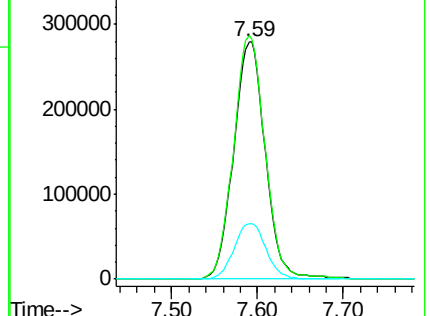
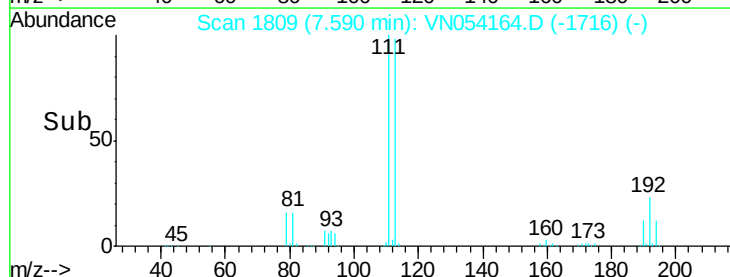
192 23.5 19.2 28.8

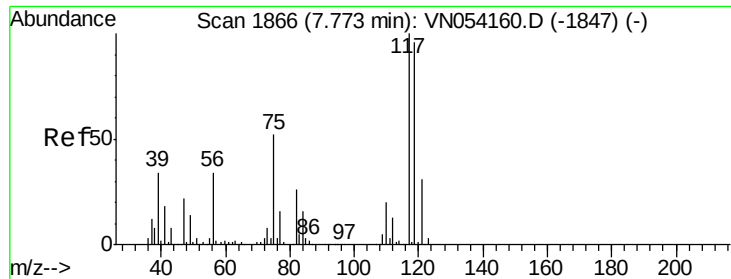


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

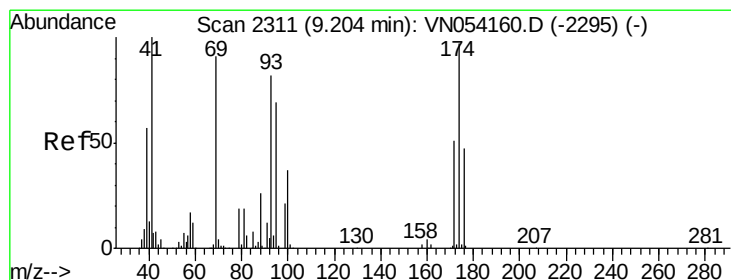
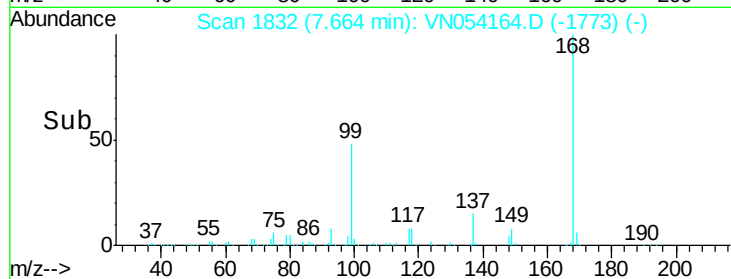
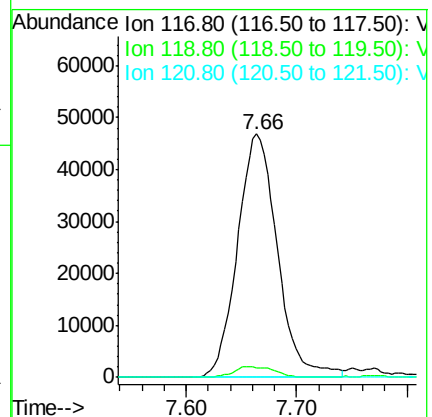
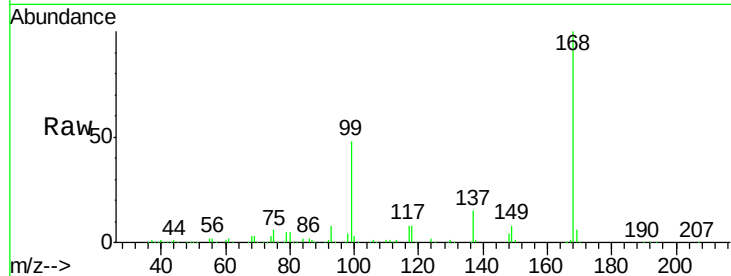




#38
Carbon Tetrachloride
Concen: 5.320 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

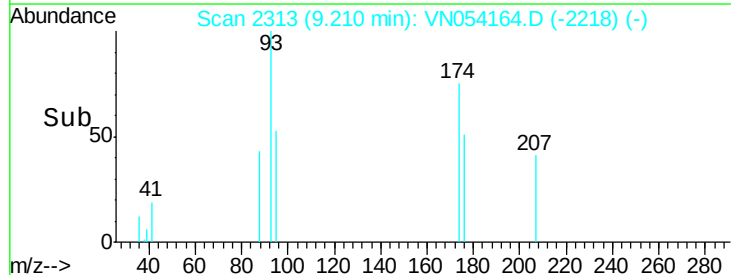
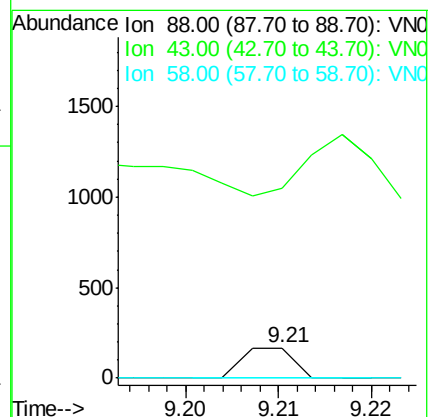
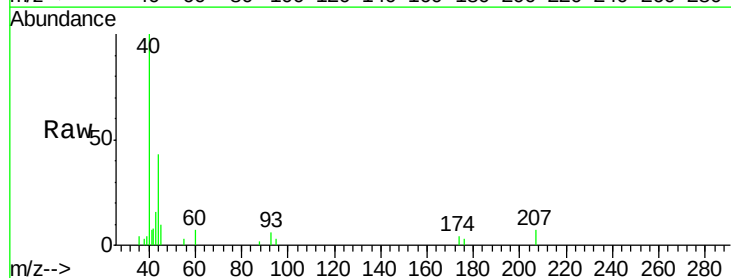
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

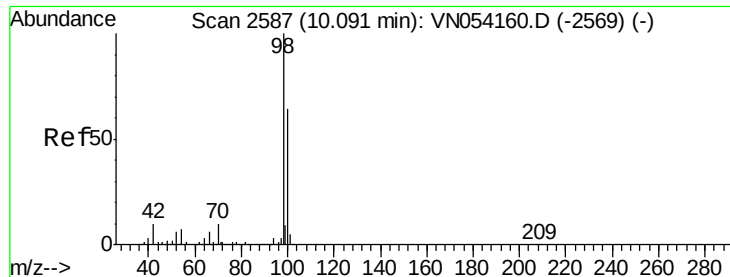
Tot Ion:117 Resp: 117646
Ion Ratio Lower Upper
117 100
119 3.8 76.3 114.5#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 0.419 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 732.8 24.1 36.1#
58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 51.367 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

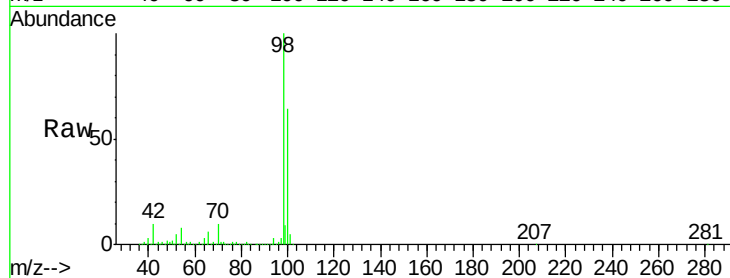
VN0312WBL01

Tot Ion: 98 Resp: 2801682

Ion Ratio Lower Upper

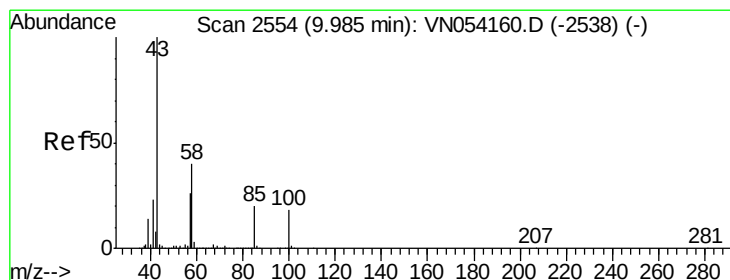
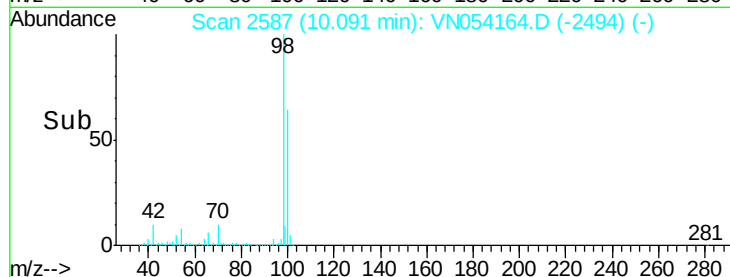
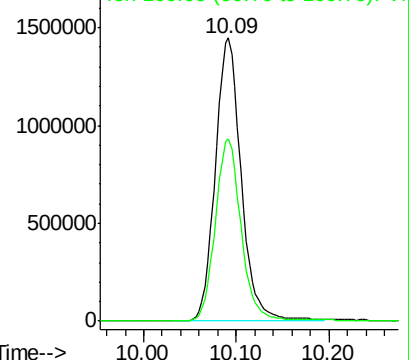
98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.210 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054164.D

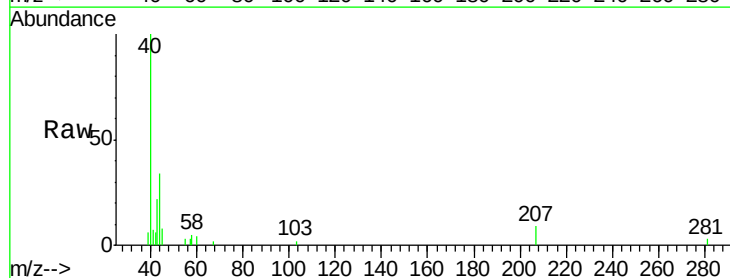
Acq: 12 Mar 2019 14:59

Tgt Ion: 43 Resp: 2360

Ion Ratio Lower Upper

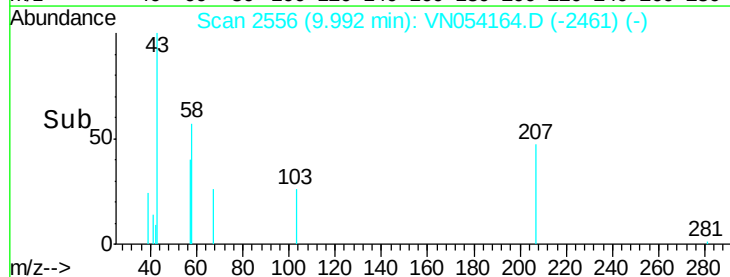
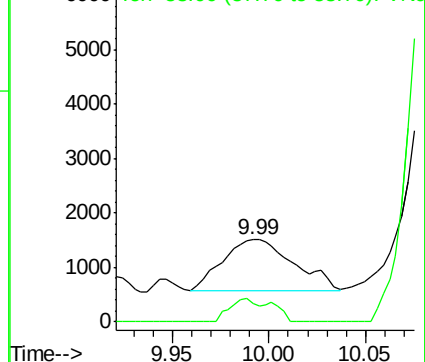
43 100

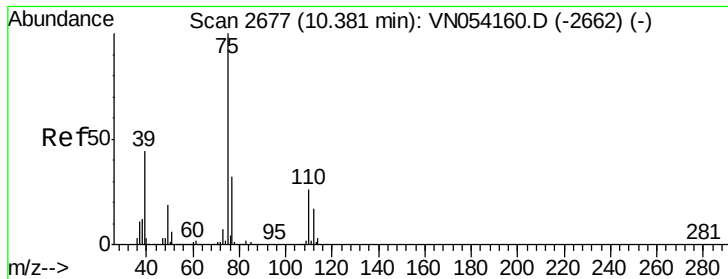
58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.038 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

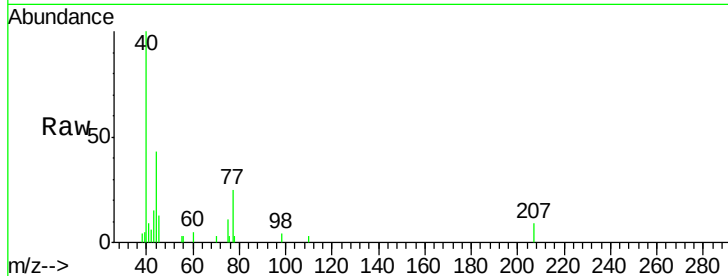
VN0312WBL01

Tot Ion: 75 Resp: 1252

Ion Ratio Lower Upper

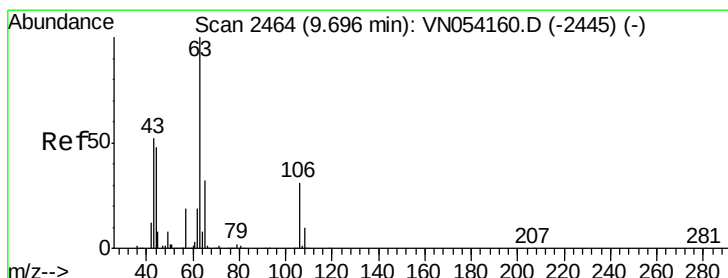
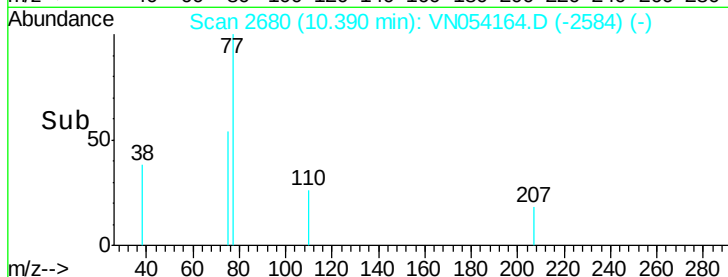
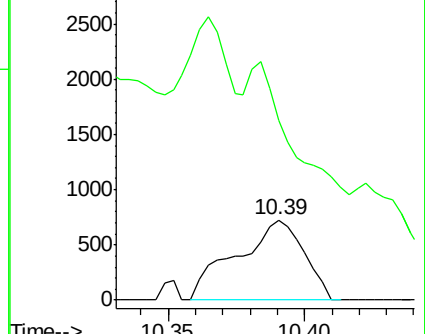
75 100

77 83.4 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-2662) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 16.836 ug/l

RT: 9.42 min Scan# 2379

Delta R.T. -0.27 min

Lab File: VN054164.D

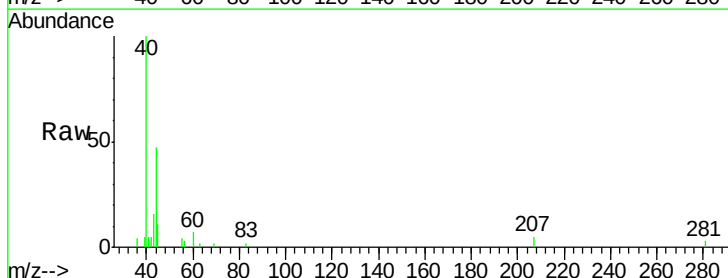
Acq: 12 Mar 2019 14:59

Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

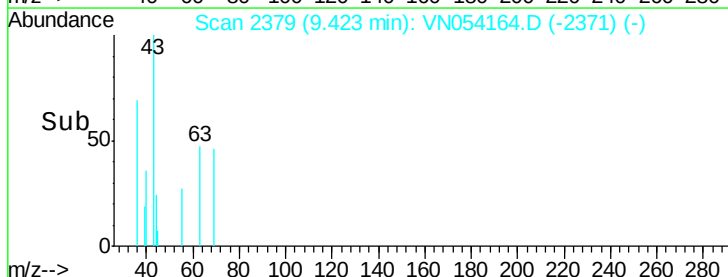
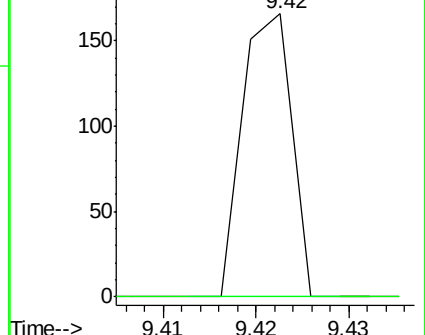
63 100

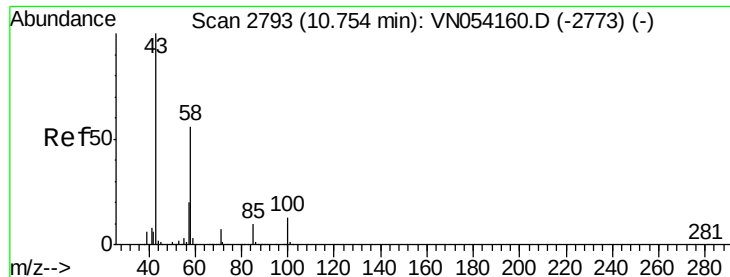
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN054160.D (-2445) (-)





#59

2-Hexanone

Concen: 0.257 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

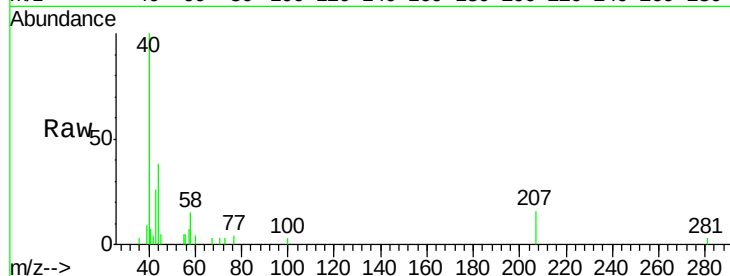
VN0312WBL01

Tot Ion: 43 Resp: 1927

Ion Ratio Lower Upper

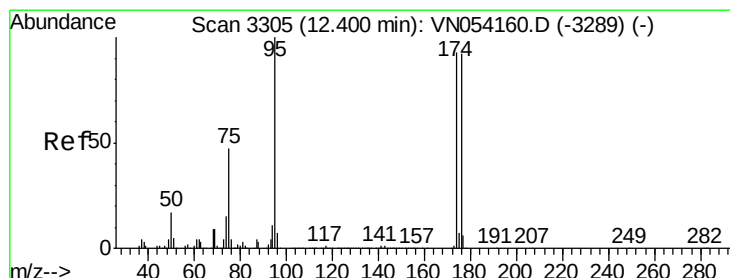
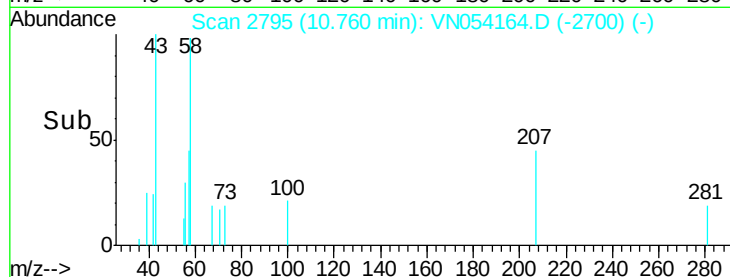
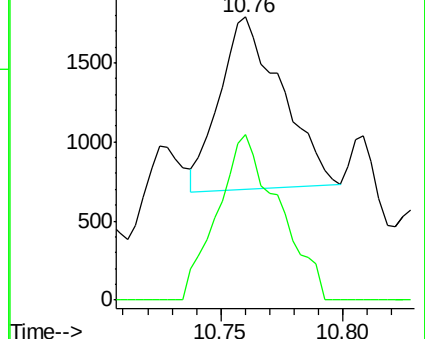
43 100

58 95.4 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 56.968 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

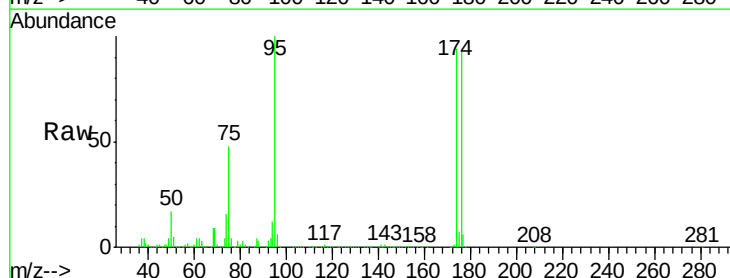
Tgt Ion: 95 Resp: 1087204

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

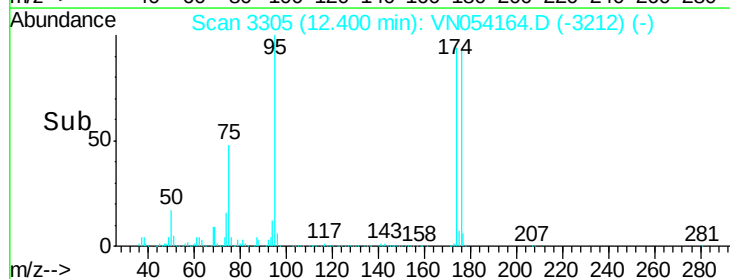
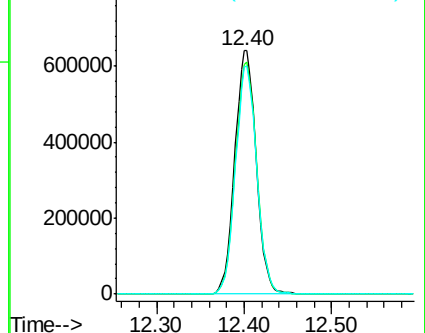
176 93.0 0.0 187.4

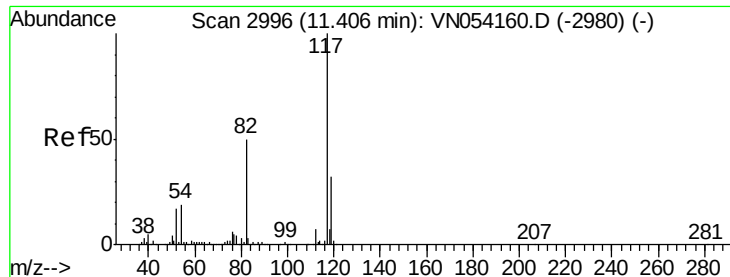


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

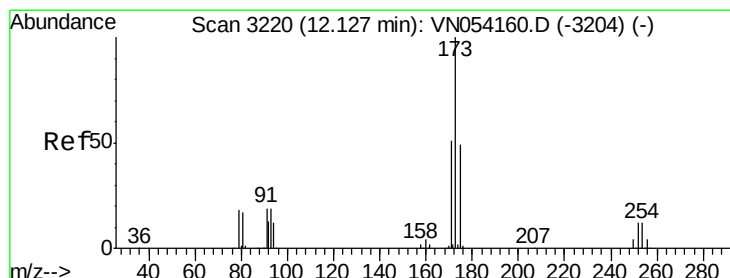
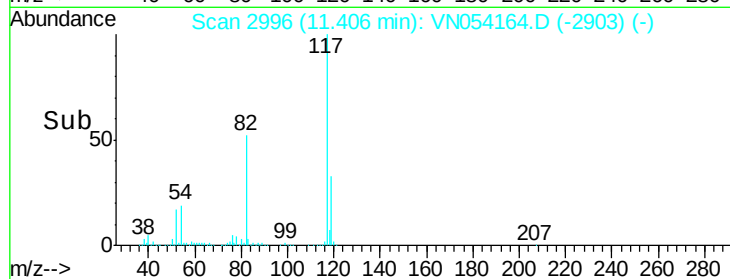
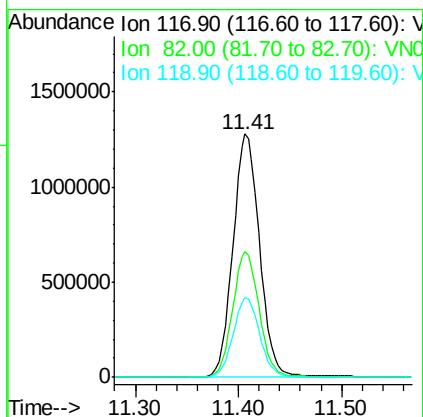
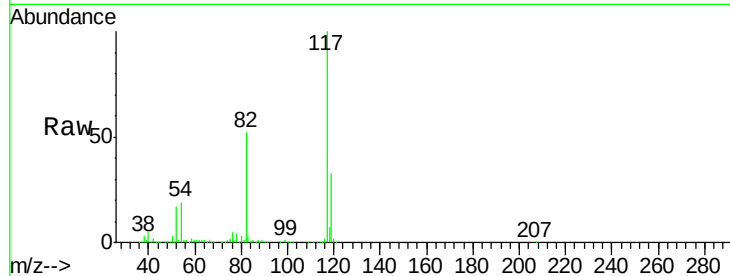




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

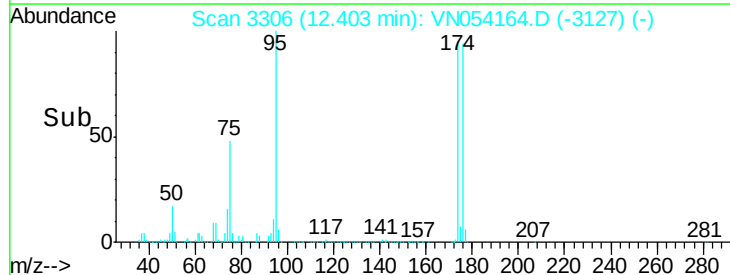
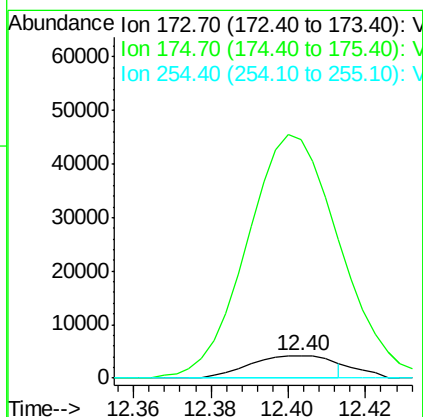
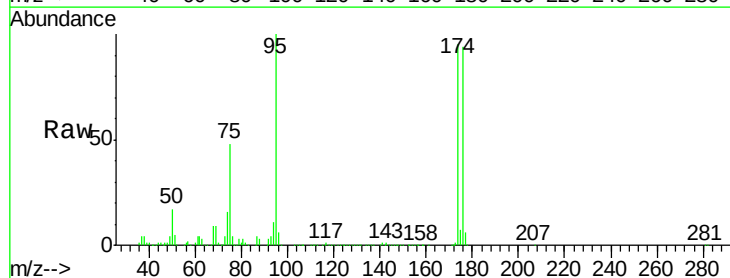
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

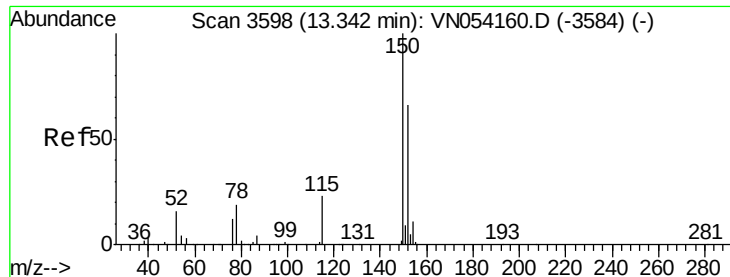
Tot Ion:117 Resp: 2304550
Ion Ratio Lower Upper
117 100
82 51.5 40.0 60.0
119 32.7 25.8 38.6



#71
Bromoform
Concen: 2.771 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

Tgt Ion:173 Resp: 6183
Ion Ratio Lower Upper
173 100
175 1073.5 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054164.D

Acq: 12 Mar 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBL01

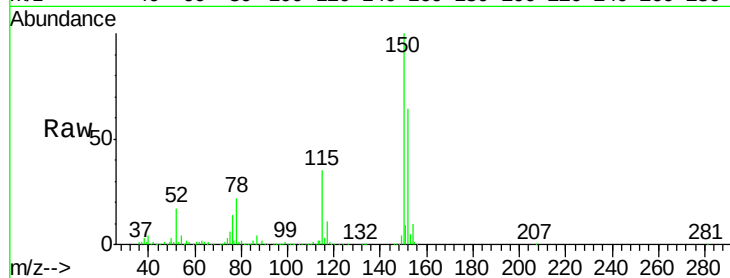
Tot Ion:152 Resp: 985134

Ion Ratio Lower Upper

152 100

115 55.6 27.2 81.6

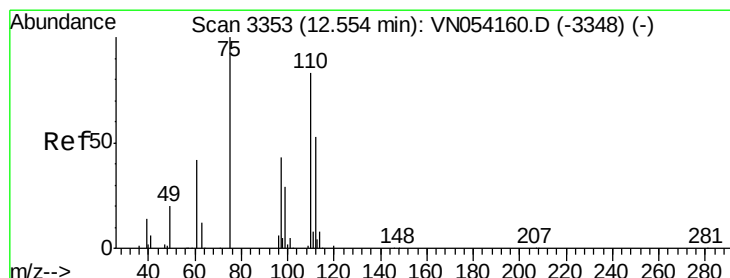
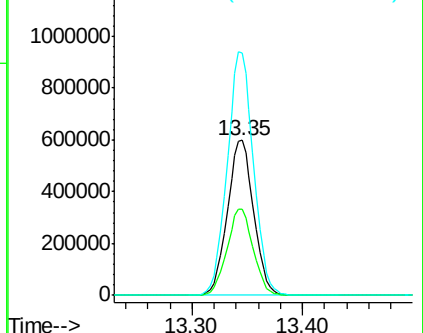
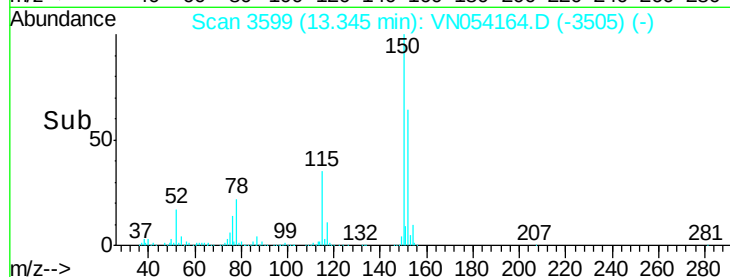
150 157.0 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 35.872 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054164.D

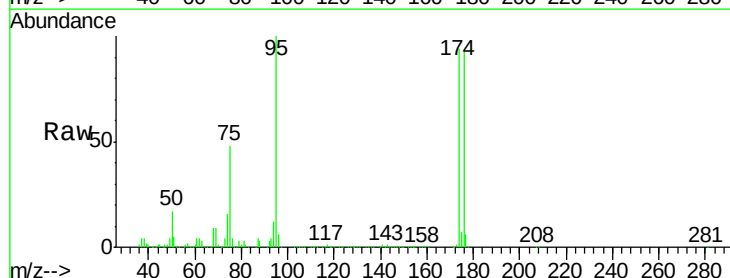
Acq: 12 Mar 2019 14:59

Tgt Ion: 75 Resp: 519672

Ion Ratio Lower Upper

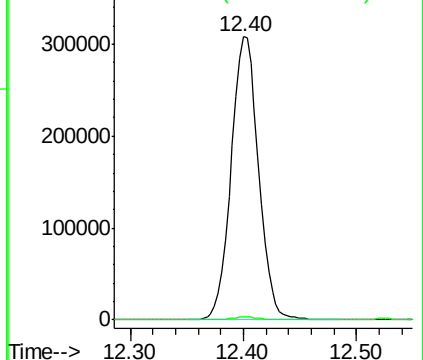
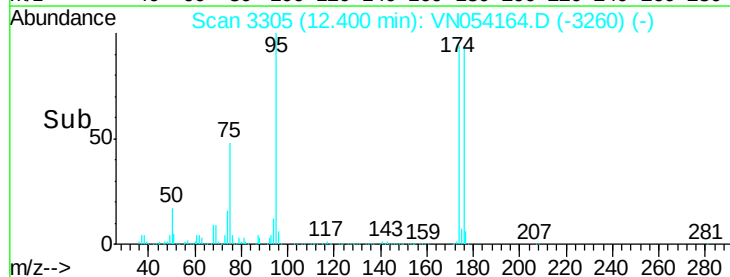
75 100

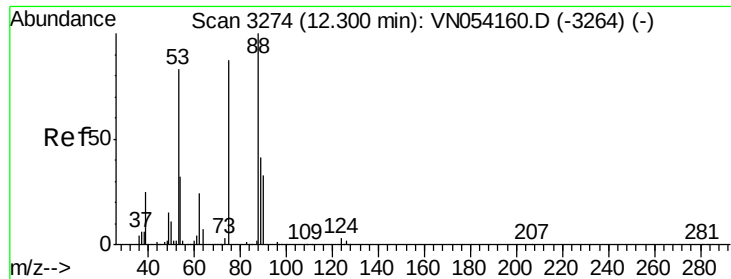
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

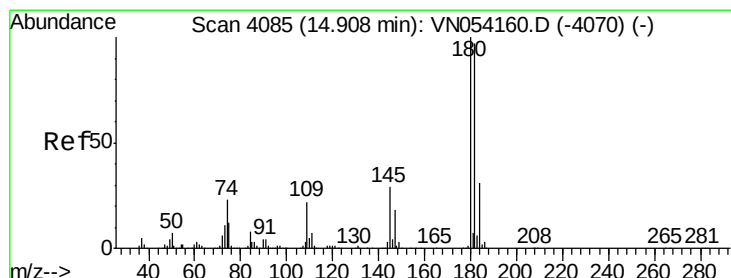
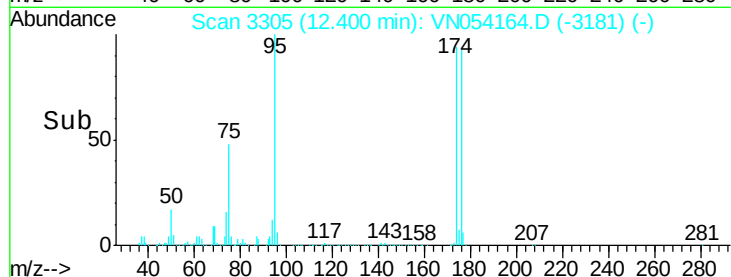
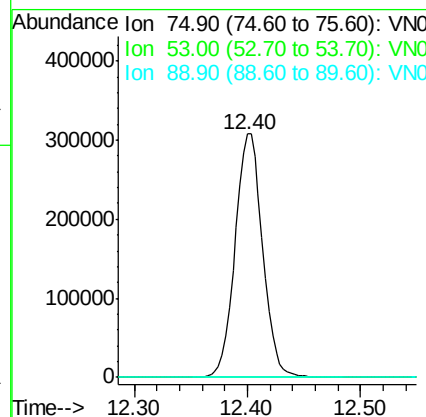
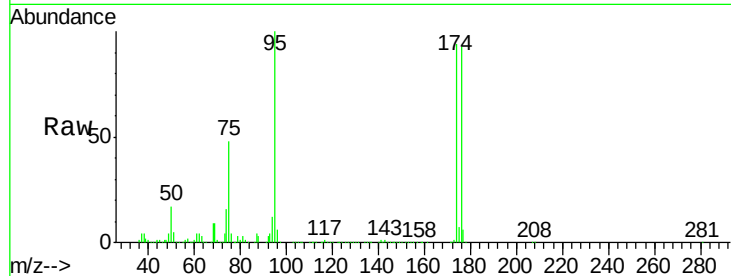




#81
trans-1,4-Dichloro-2-butene
Concen: 122.627 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

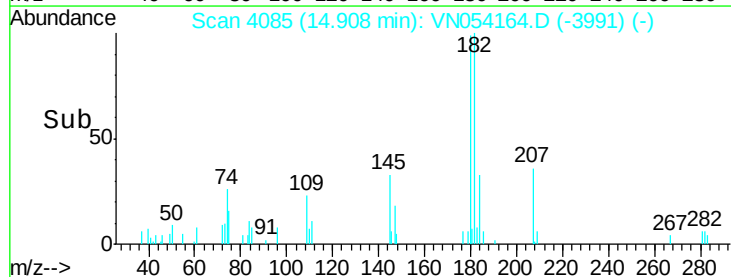
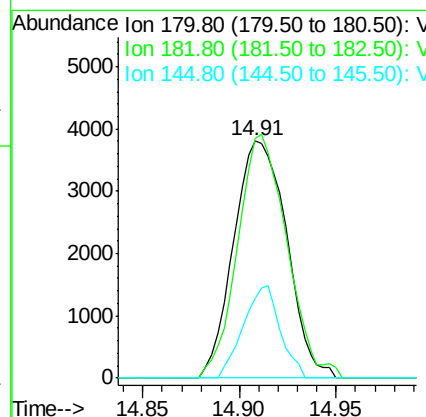
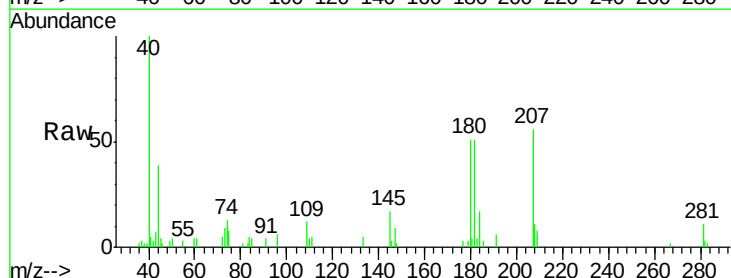
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

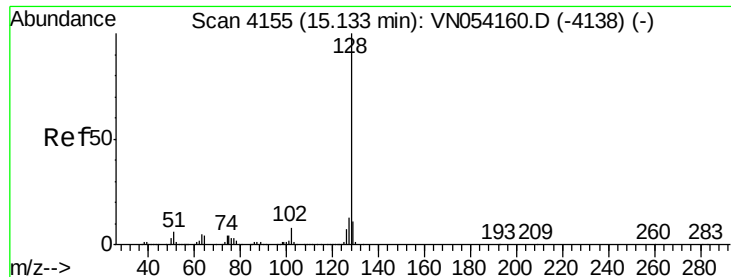
Tot Ion: 75 Resp: 519672
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.848 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

Tgt Ion: 180 Resp: 7248
Ion Ratio Lower Upper
180 100
182 95.3 48.0 144.2
145 27.1 14.2 42.8

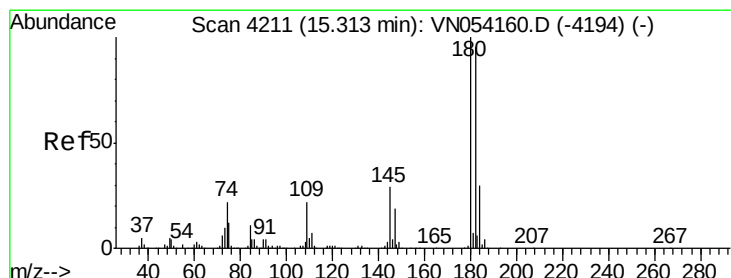
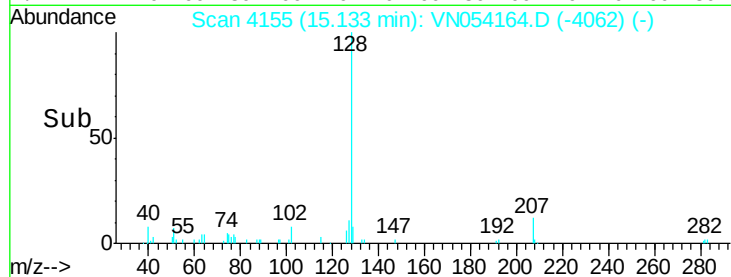
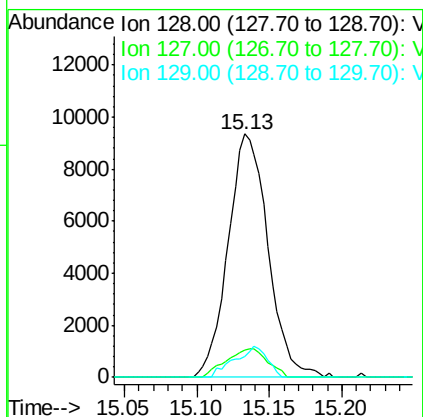
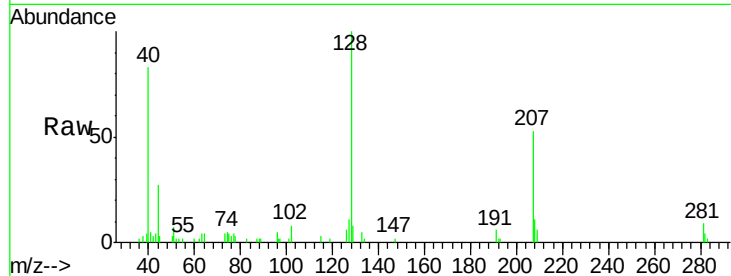




#95
Naphthalene
Concen: 3.854 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

Tot Ion:128 Resp: 17841
Ion Ratio Lower Upper
128 100
127 12.1 10.1 15.1
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.455 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054164.D
Acq: 12 Mar 2019 14:59

Tgt Ion:180 Resp: 8308
Ion Ratio Lower Upper
180 100
182 94.0 47.5 142.6
145 30.6 14.8 44.3

