

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054280.D
 Acq On : 15 Mar 2019 00:27
 Operator : JC/SP
 Sample : VN0314WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL02

Quant Time: Mar 15 06:59:05 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	1340319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2204938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2317232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	941761	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	707645	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	7.59	113	678297	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.09	98	2737480	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	1035651	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	

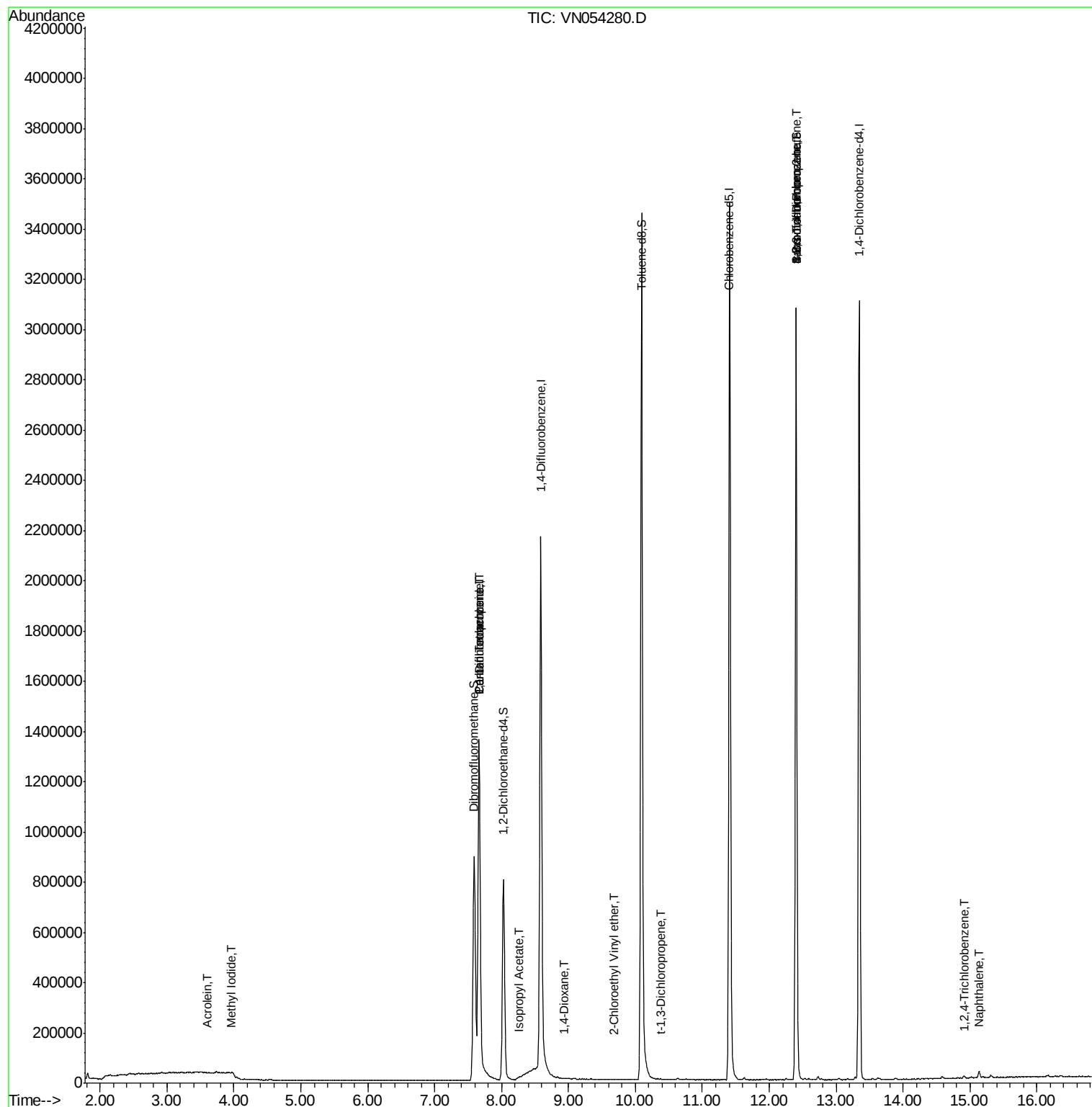
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	961	1.544	ug/l #	78
13) Acrolein	3.61	56	450	0.487	ug/l	99
31) Cyclohexane	7.67	56	20566	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	75570	3.722	ug/l #	48
38) Carbon Tetrachloride	7.66	117	105006	4.931	ug/l #	16
43) Isopropyl Acetate	8.26	43	10760	0.525	ug/l #	60
49) 1,4-Dioxane	8.94	88	63	0.429	ug/l #	1
53) t-1,3-Dichloropropene	10.38	75	298	1.999	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.69	63	65	16.837	ug/l #	44
71) Bromoform	12.40	173	6179	2.769	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	495143	35.753	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	495143	122.219	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	3208	2.670	ug/l	97
95) Naphthalene	15.13	128	23510	3.999	ug/l	97

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

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Quant Time: Mar 15 06:59:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
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: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampleId :

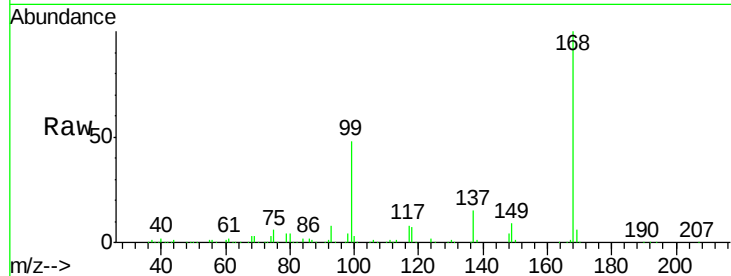
VN0314WBL02

Tot Ion:168 Resp: 1340319

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

600000

500000

400000

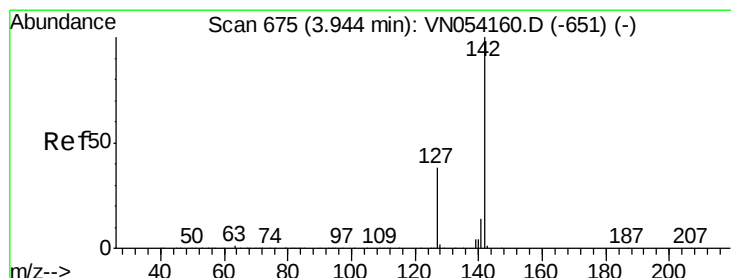
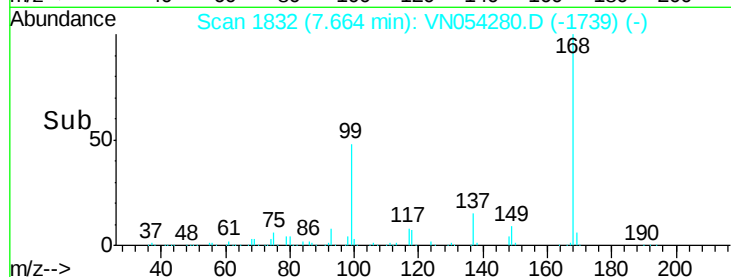
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.544 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

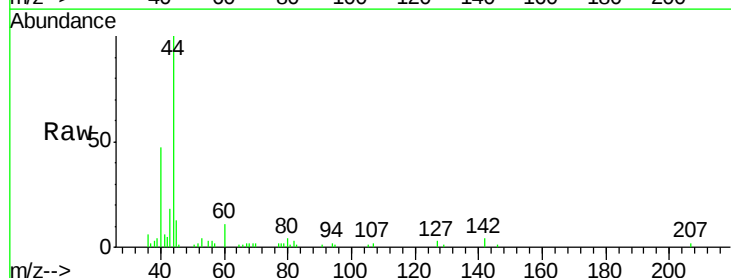
Tgt Ion:142 Resp: 961

Ion Ratio Lower Upper

142 100

127 25.5 30.3 45.5#

141 3.0 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

800

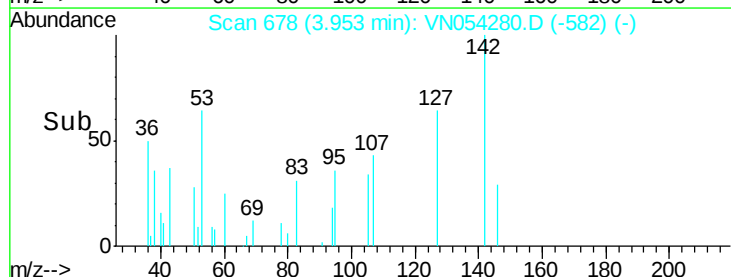
600

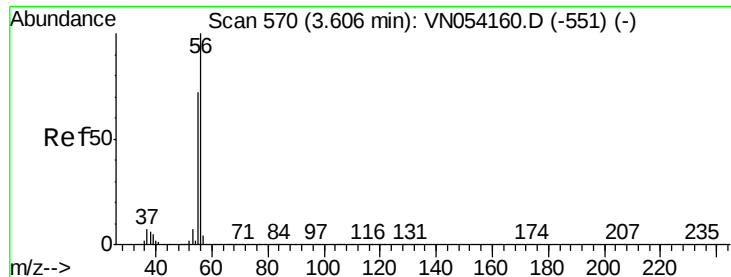
400

200

0

Time--> 3.92 3.94 3.96 3.98





#13

Acrolein

Concen: 0.487 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampled :

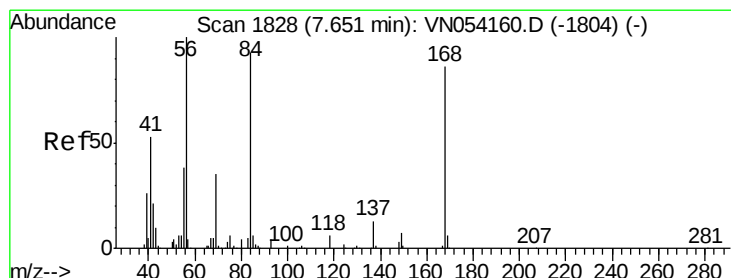
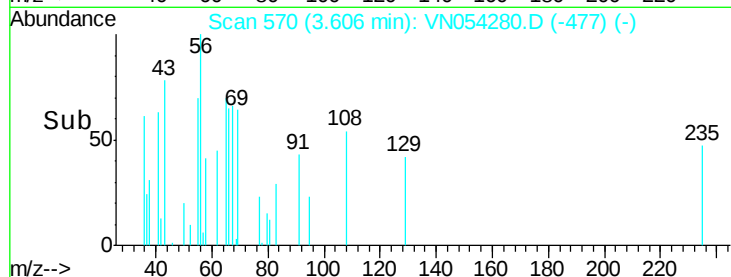
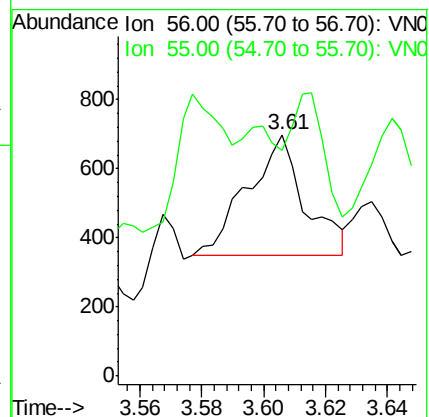
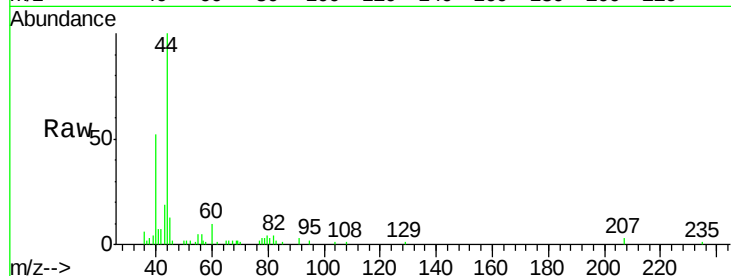
VN0314WBL02

Tot Ion: 56 Resp: 450

Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

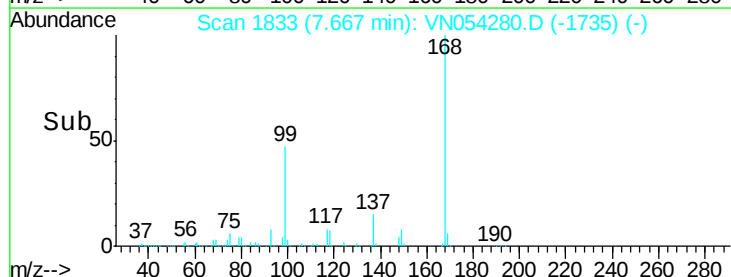
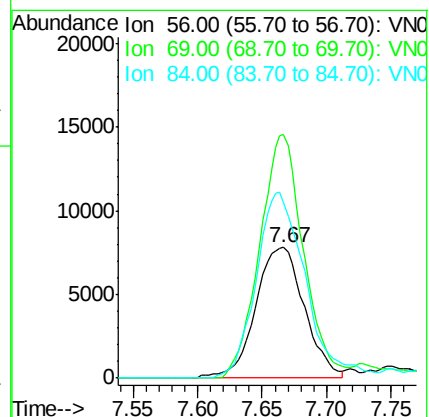
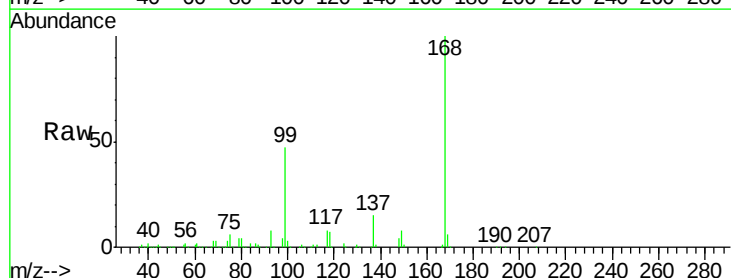
Tgt Ion: 56 Resp: 20566

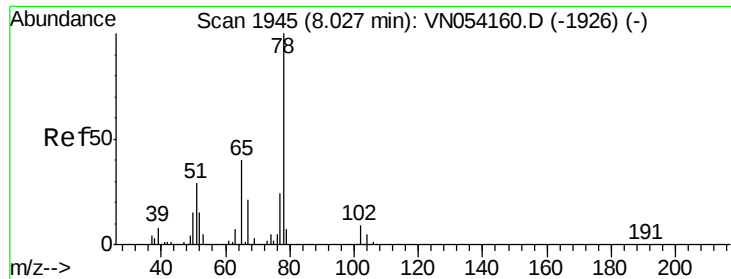
Ion Ratio Lower Upper

56 100

69 186.4 27.8 41.6#

84 134.9 74.6 111.8#

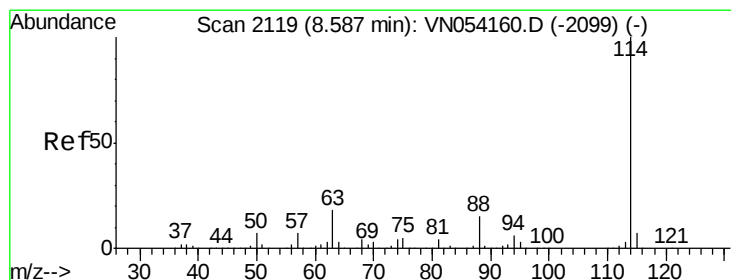
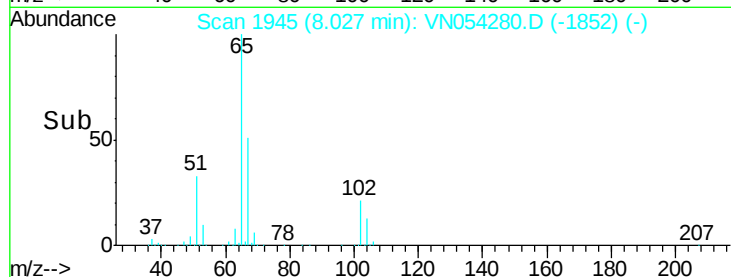
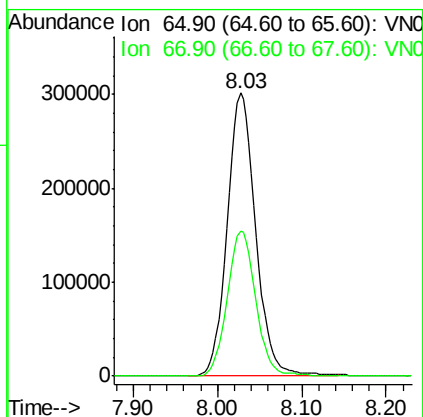
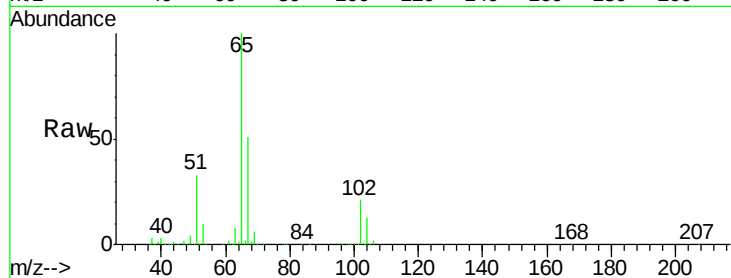




#33
 1,2-Dichloroethane-d4
 Concen: 49.714 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054280.D
 Acq: 15 Mar 2019 00:27

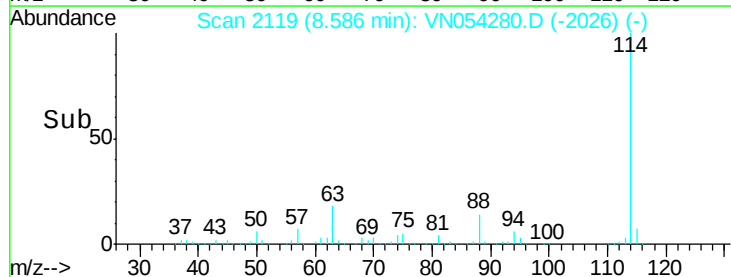
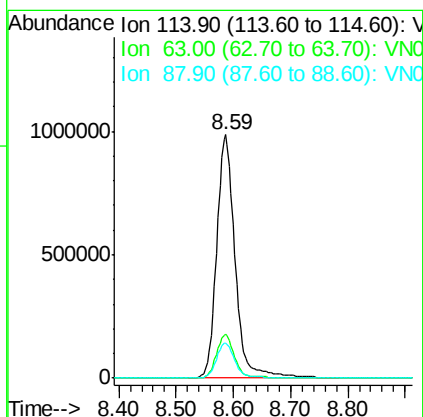
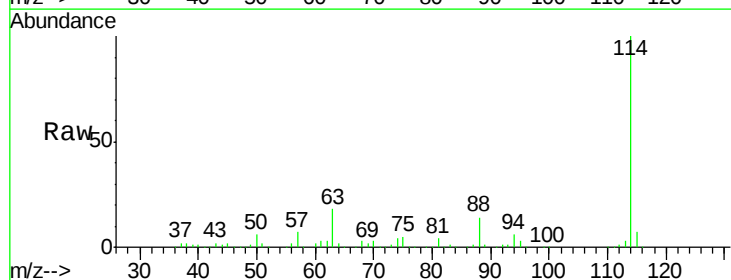
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL02

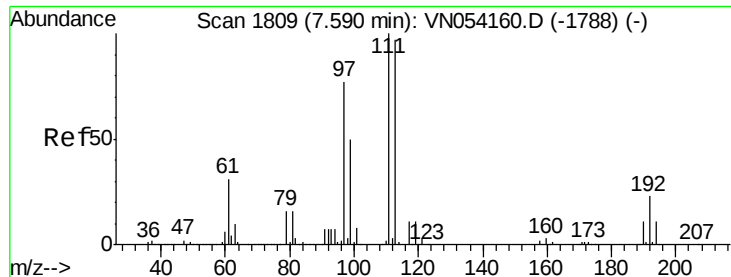
Tot Ion: 65 Resp: 707645
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054280.D
 Acq: 15 Mar 2019 00:27

Tgt Ion: 114 Resp: 2204938
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.5 0.0 30.2

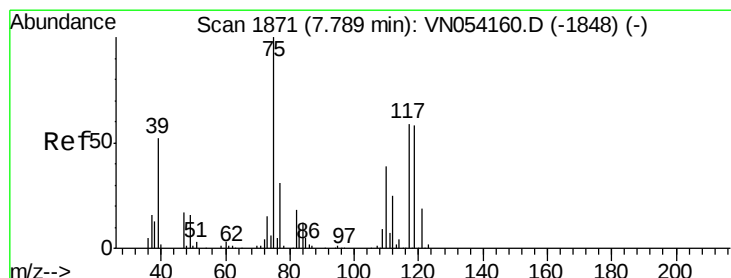
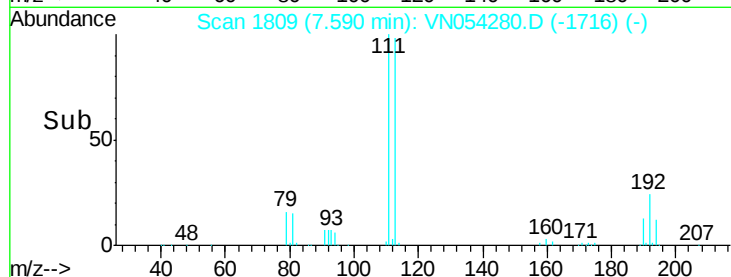
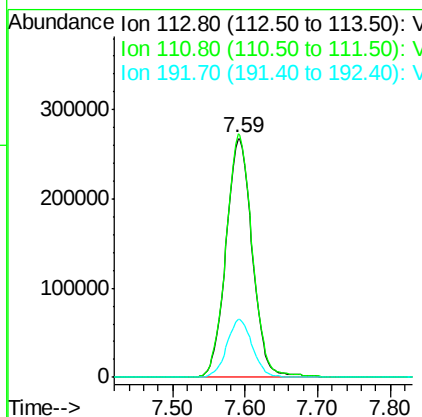
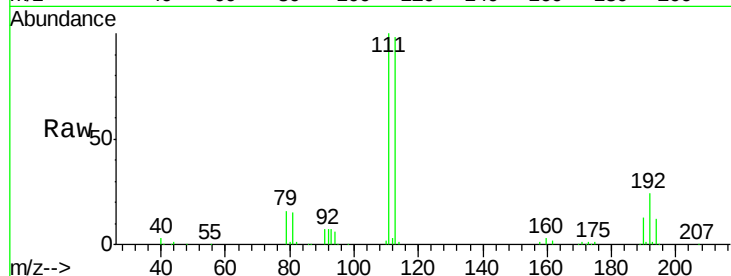




#35
 Dibromofluoromethane
 Concen: 47.697 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054280.D
 Acq: 15 Mar 2019 00:27

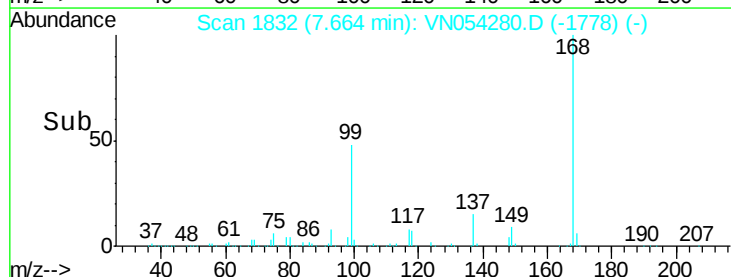
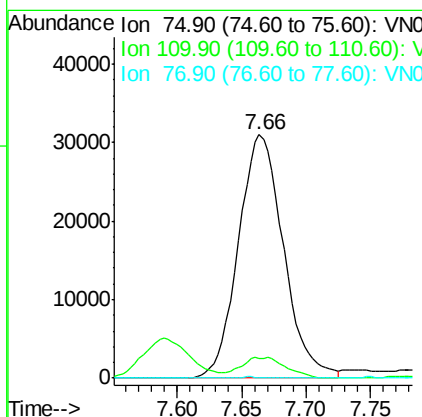
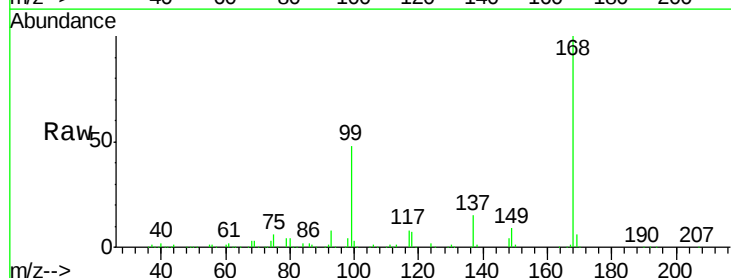
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL02

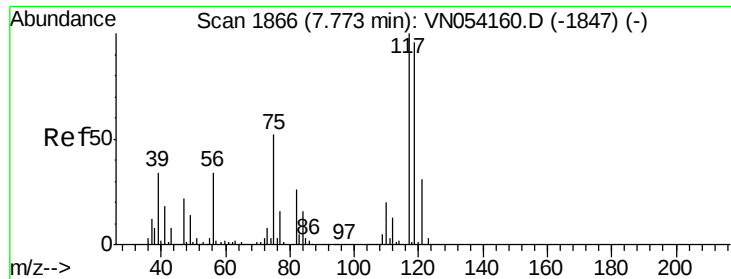
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.4
192	23.7	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.722 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054280.D
 Acq: 15 Mar 2019 00:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.1	57.5#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 4.931 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL02

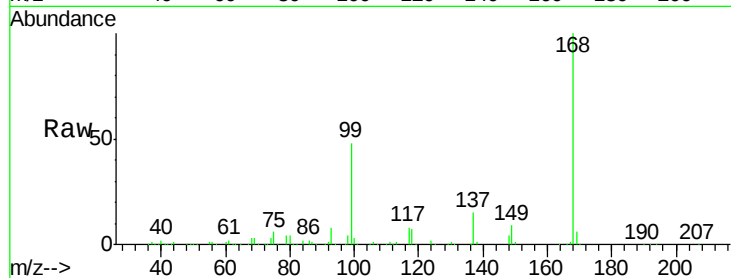
Tot Ion:117 Resp: 105006

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

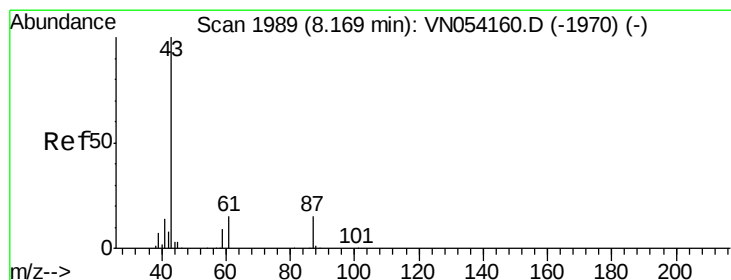
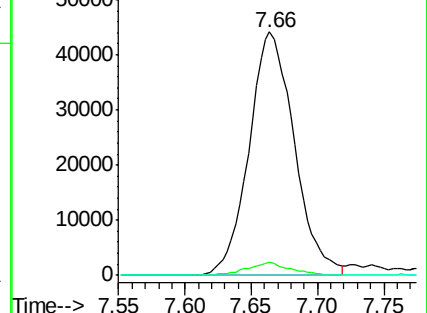
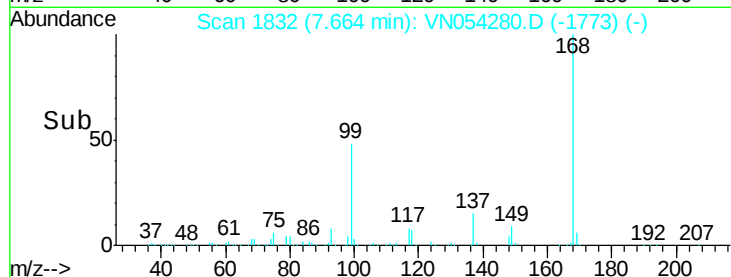
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.525 ug/l

RT: 8.26 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

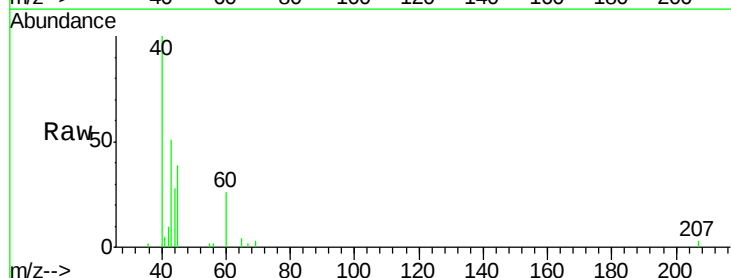
Tgt Ion: 43 Resp: 10760

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

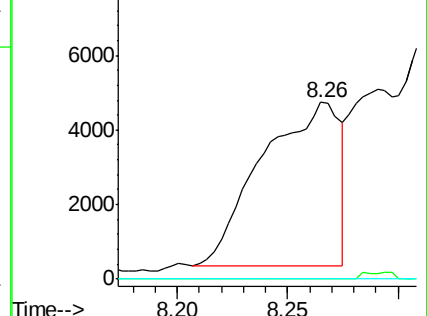
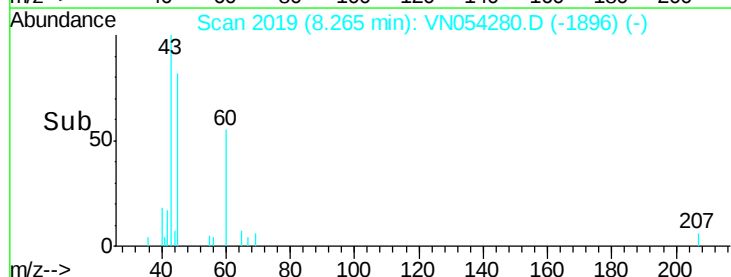
87 0.0 12.0 18.0#

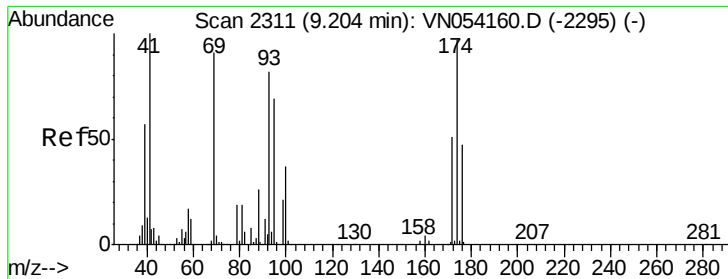


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

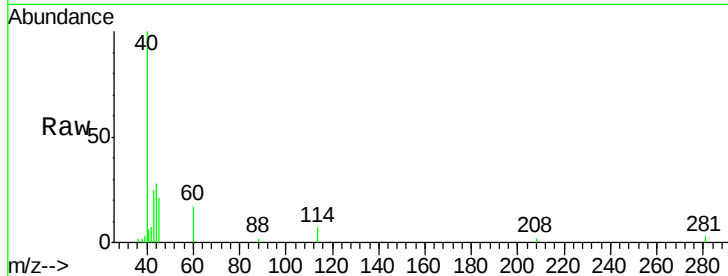




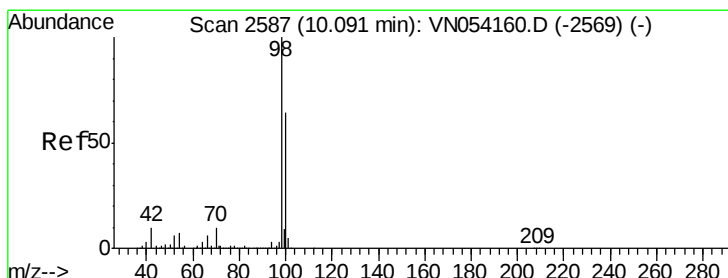
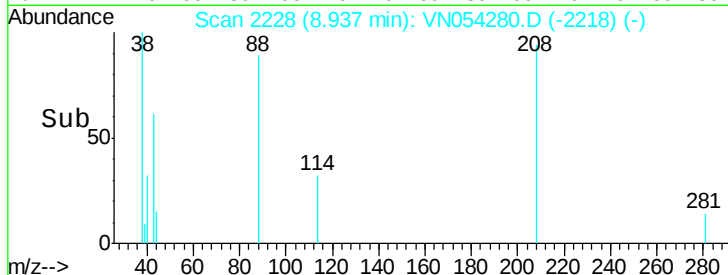
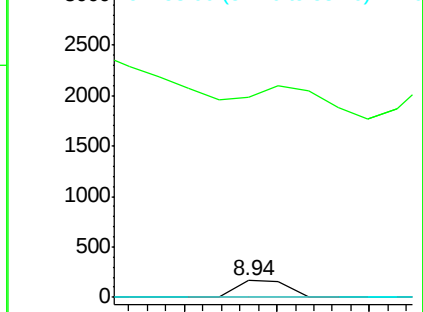
#49
1,4-Dioxane
Concen: 0.429 ug/l
RT: 8.94 min Scan# 2228
Delta R.T. -0.27 min
Lab File: VN054280.D
Acq: 15 Mar 2019 00:27

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL02

Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 668.3 24.1 36.1#
58 0.0 50.8 76.2#

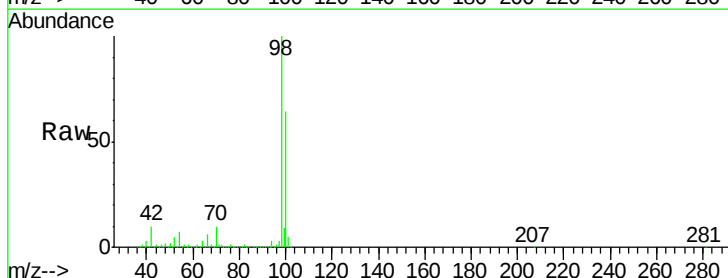


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

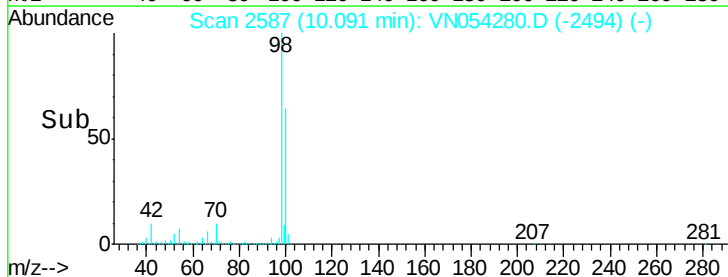
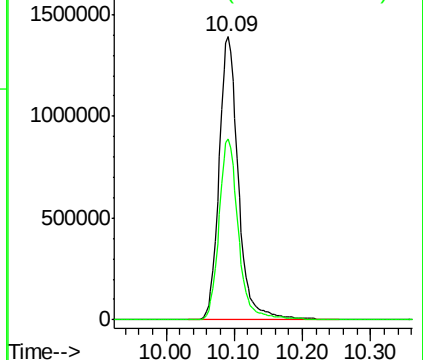


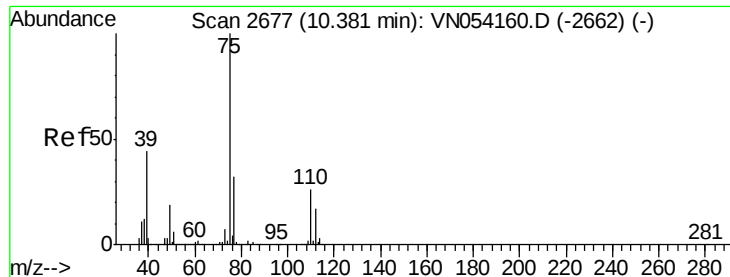
#50
Toluene-d8
Concen: 52.123 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054280.D
Acq: 15 Mar 2019 00:27

Tgt Ion: 98 Resp: 2737480
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.999 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampleId :

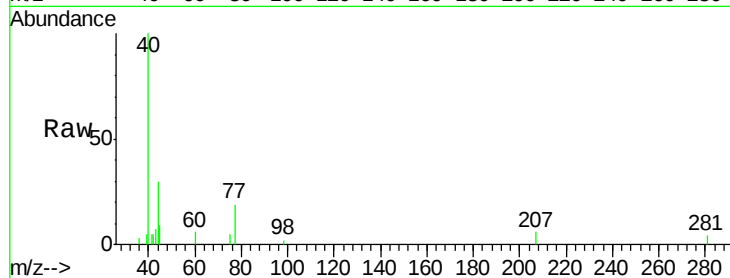
VN0314WBL02

Tot Ion: 75 Resp: 298

Ion Ratio Lower Upper

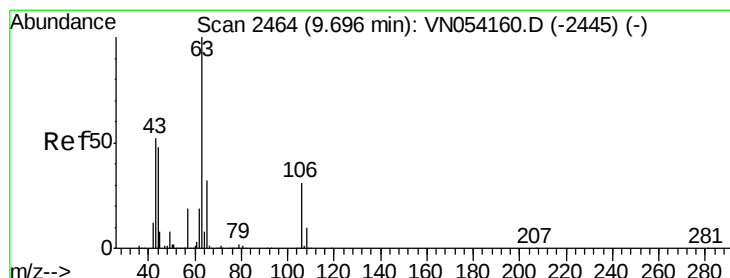
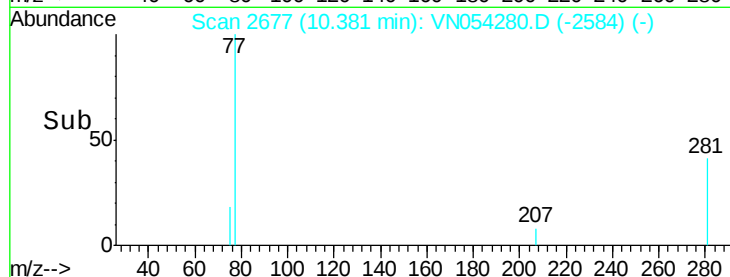
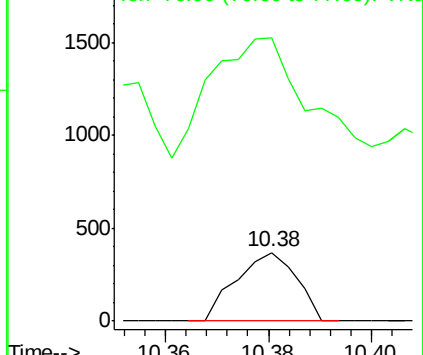
75 100

77 130.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 16.837 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054280.D

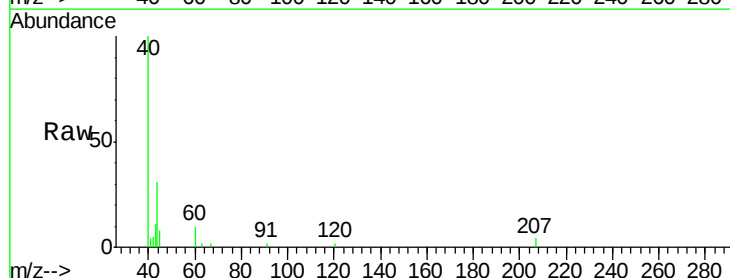
Acq: 15 Mar 2019 00:27

Tgt Ion: 63 Resp: 65

Ion Ratio Lower Upper

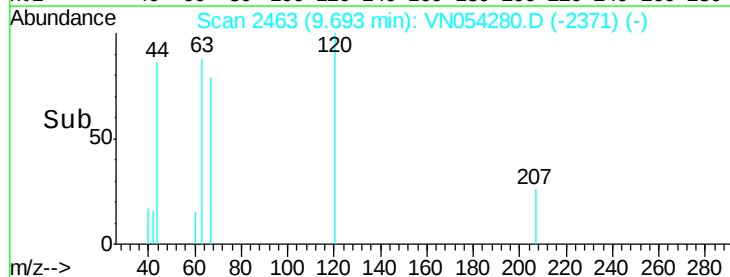
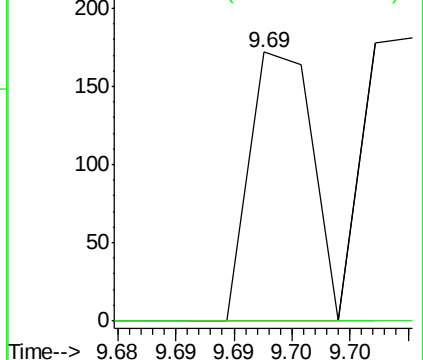
63 100

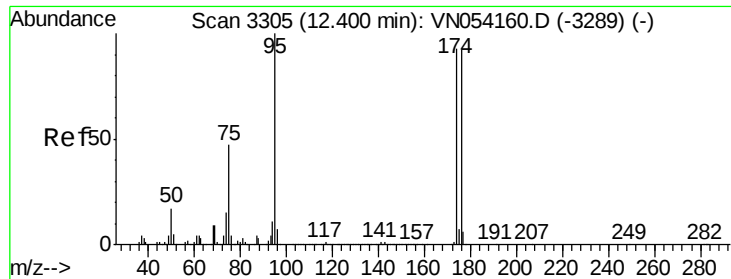
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 56.356 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL02

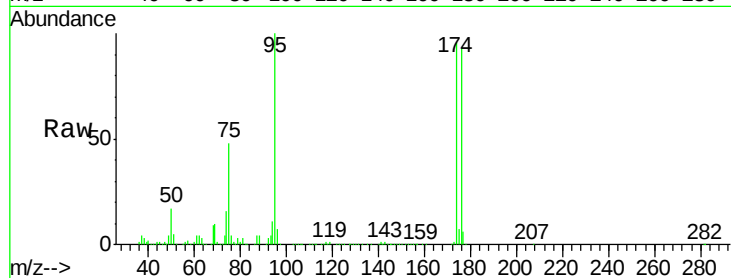
Tot Ion: 95 Resp: 1035651

Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.0

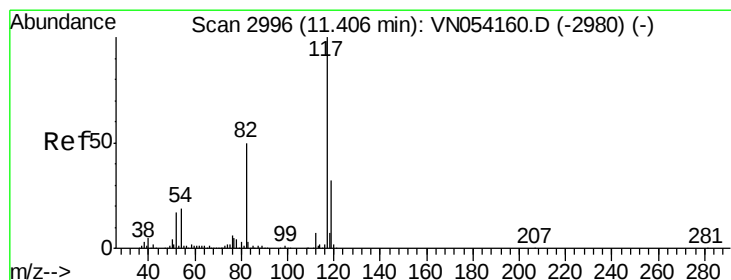
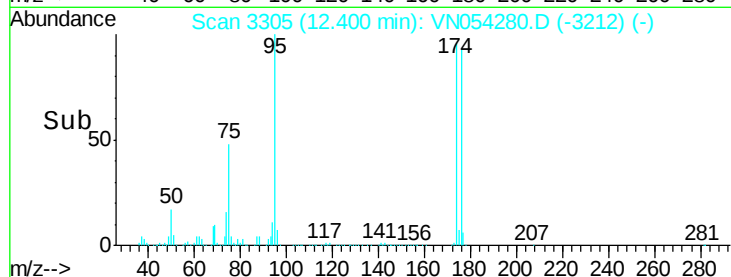
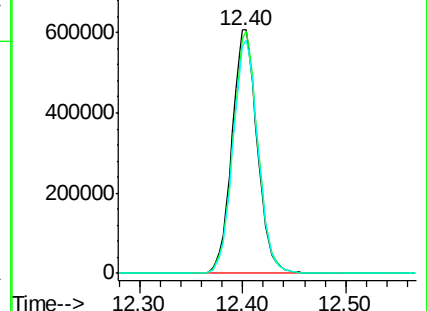
176 95.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054280.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054280.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054280.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

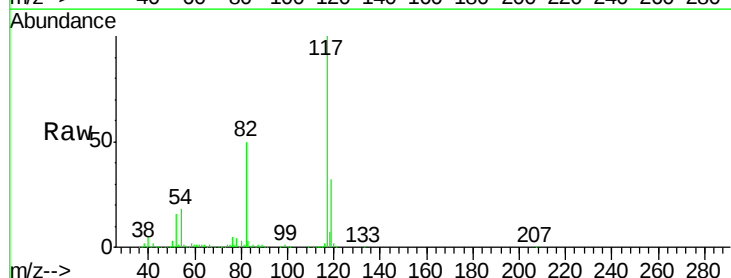
Tgt Ion: 117 Resp: 2317232

Ion Ratio Lower Upper

117 100

82 49.5 40.0 60.0

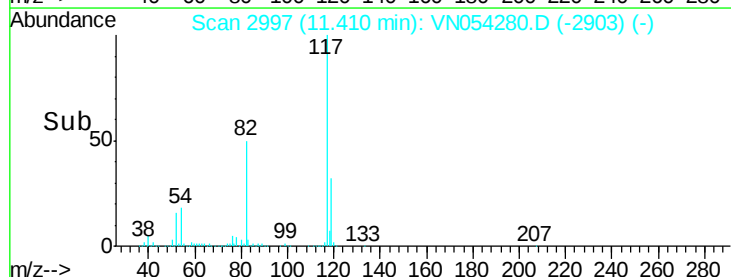
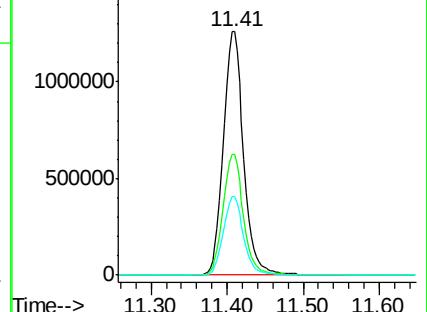
119 32.3 25.8 38.6

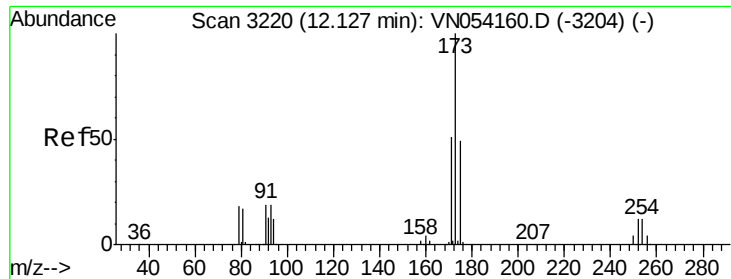


Abundance Ion 116.90 (116.60 to 117.60): VN054280.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054280.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054280.D (-2903) (-)





#71

Bromoform

Concen: 2.769 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL02

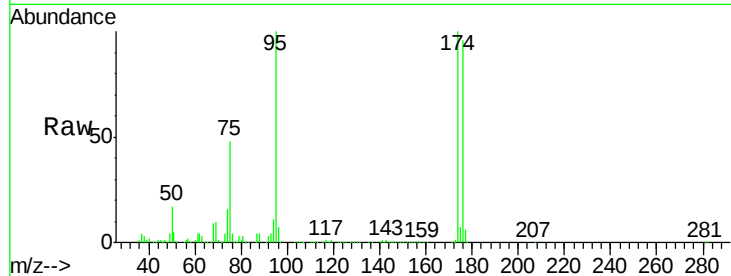
Tot Ion:173 Resp: 6179

Ion Ratio Lower Upper

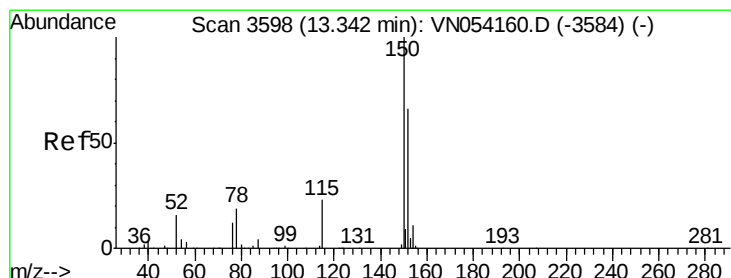
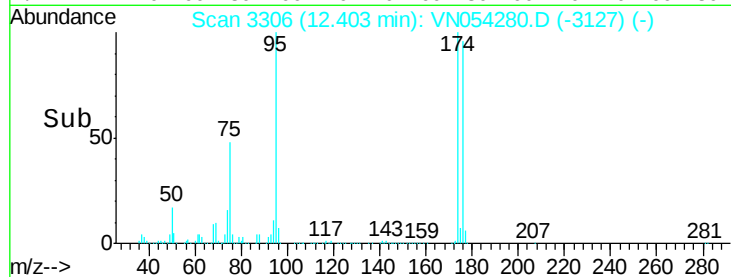
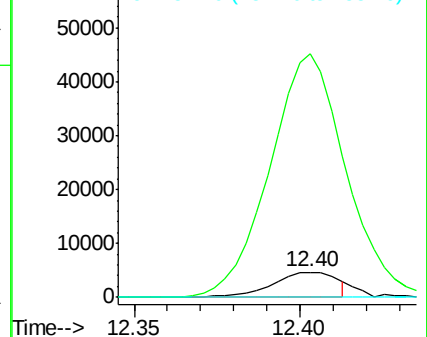
173 100

175 1002.1 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: VN054280.D

Acq: 15 Mar 2019 00:27

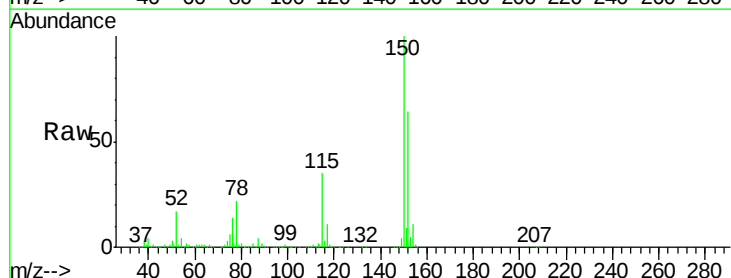
Tgt Ion:152 Resp: 941761

Ion Ratio Lower Upper

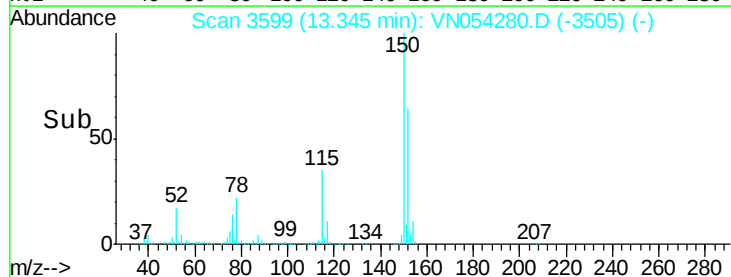
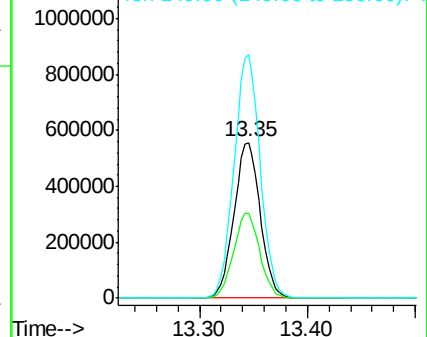
152 100

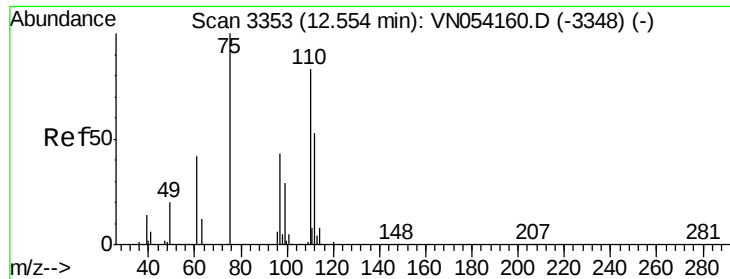
115 54.4 27.2 81.6

150 156.4 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

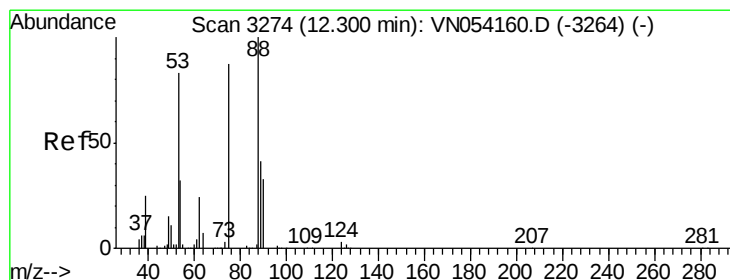
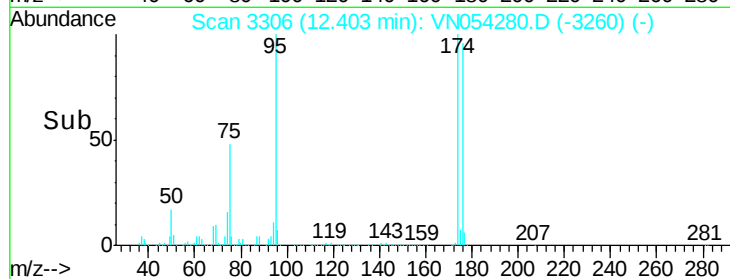
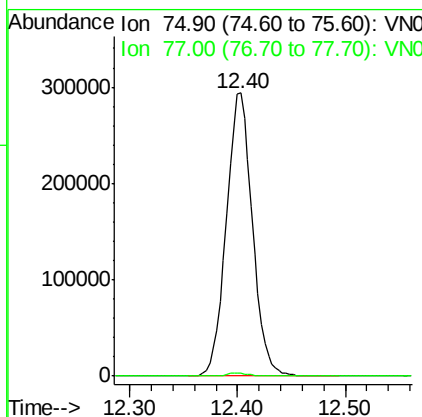
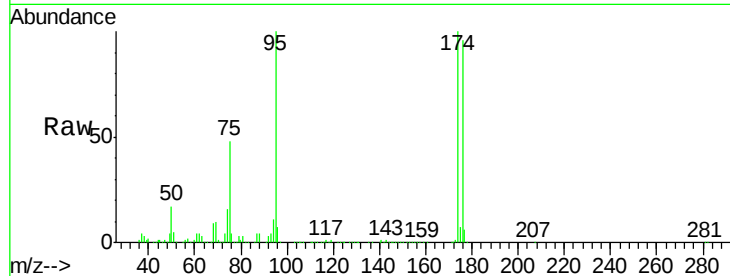




#76
 1,2,3-Trichloropropane
 Concen: 35.753 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN054280.D
 Acq: 15 Mar 2019 00:27

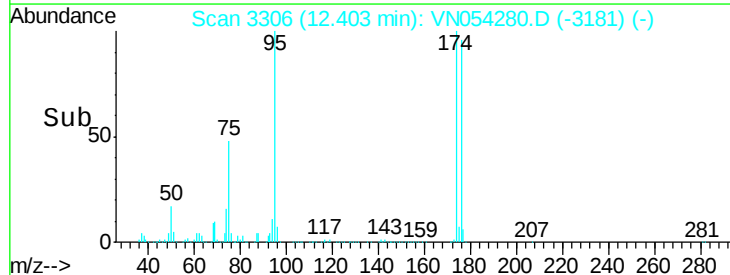
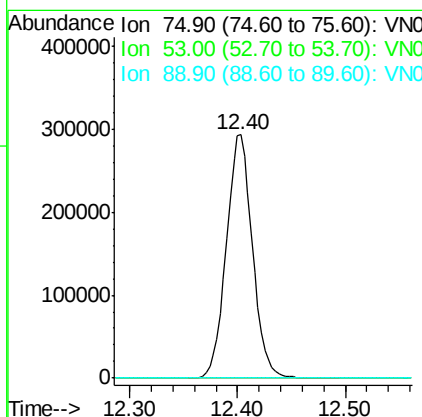
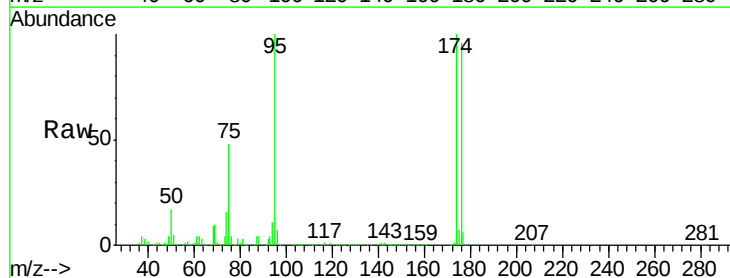
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL02

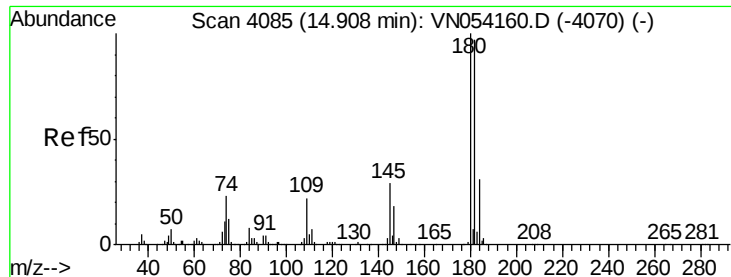
Tot Ion: 75 Resp: 495143
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.219 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054280.D
 Acq: 15 Mar 2019 00:27

Tgt Ion: 75 Resp: 495143
 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: 2.670 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL02

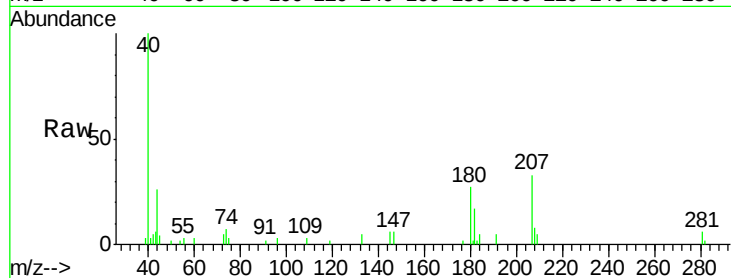
Tot Ion:180 Resp: 3208

Ion Ratio Lower Upper

180 100

182 93.5 48.0 144.2

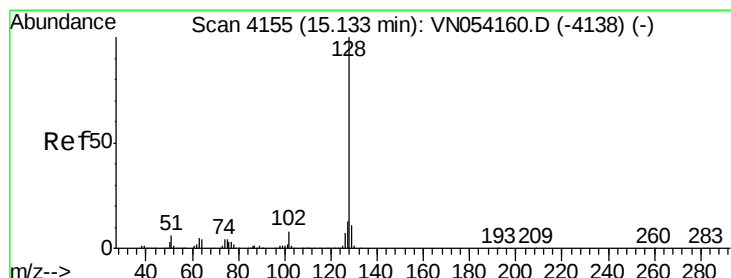
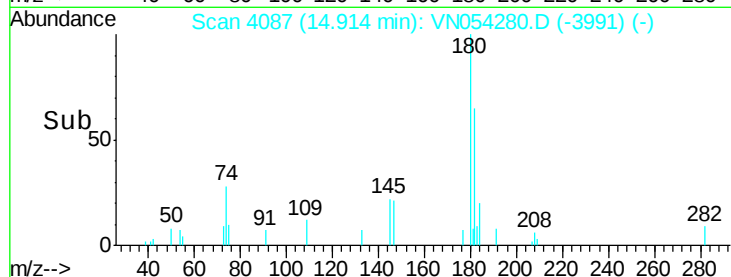
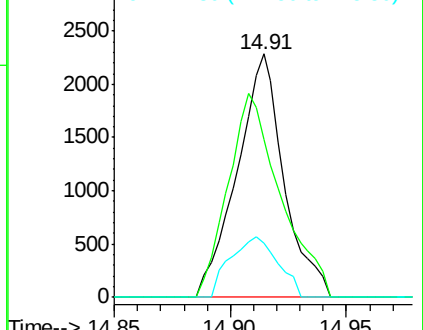
145 25.1 14.2 42.8



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: 3.999 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054280.D

Acq: 15 Mar 2019 00:27

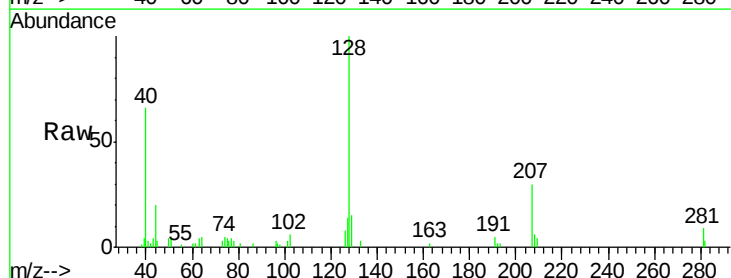
Tgt Ion:128 Resp: 23510

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

129 12.6 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

