

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\
 Data File : VU040178.D
 Acq On : 17 Sep 2020 14:00
 Operator : SY/MD
 Sample : L4046-01DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0N9DL

Quant Time: Sep 18 03:37:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112771	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110162	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26916	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.92	69	25589	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	47227	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.65	46	118674	48.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.38%
24) Chloroform-d	5.08	84	60493	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.72	65	41486	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	121059	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	39833	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.91	98	98867	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	8.19	79	16327	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.64	63	87841	47.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36303	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	42282	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

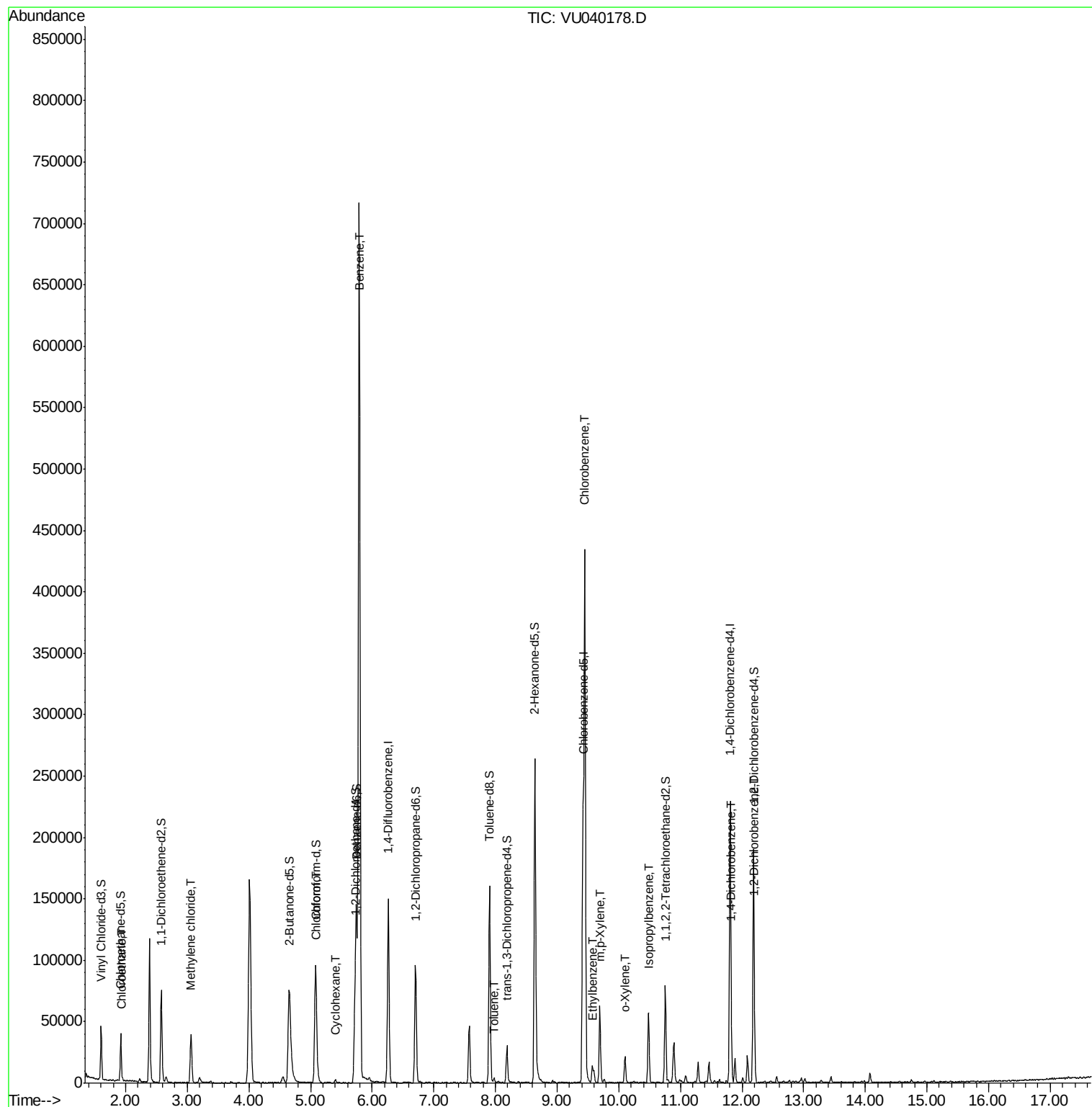
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	937	0.144	ug/L	84
16) Methylene chloride	3.06	84	17413	1.524	ug/L	87
25) Chloroform	5.10	83	5244	0.265	ug/L	86
30) Cyclohexane	5.40	56	1093	0.065	ug/L	91
33) Benzene	5.79	78	632541	16.050	ug/L	100
42) Toluene	7.98	91	2718	0.067	ug/L	100
51) Chlorobenzene	9.45	112	208038	8.256	ug/L	98
52) Ethylbenzene	9.57	91	7877	0.171	ug/L	90
53) m,p-Xylene	9.69	106	15352	0.935	ug/L	97
54) o-Xylene	10.10	106	4534	0.290	ug/L	95
56) Isopropylbenzene	10.48	105	33771	0.791	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	3907	0.201	ug/L	87
65) 1,2-Dichlorobenzene	12.21	146	3043	0.164	ug/L	91

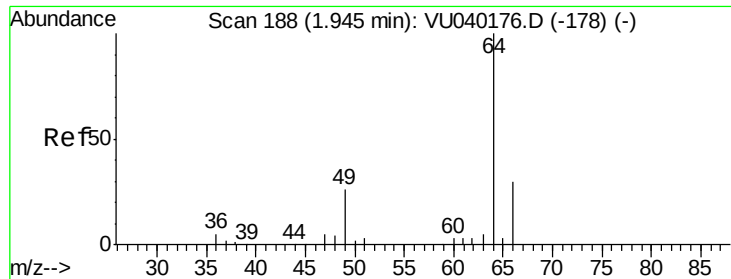
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091720\
Data File : VU040178.D
Acq On : 17 Sep 2020 14:00
Operator : SY/MD
Sample : L4046-01DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG0N9DL

Quant Time: Sep 18 03:37:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 17 02:07:00 2020
Response via : Initial Calibration

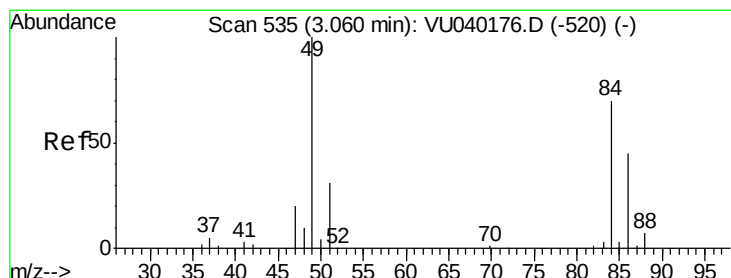
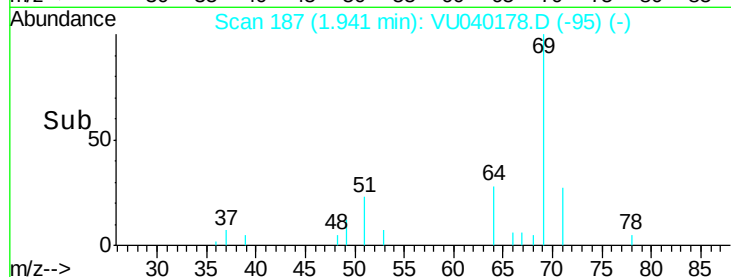
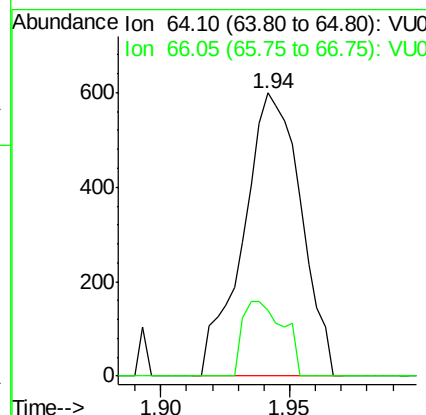
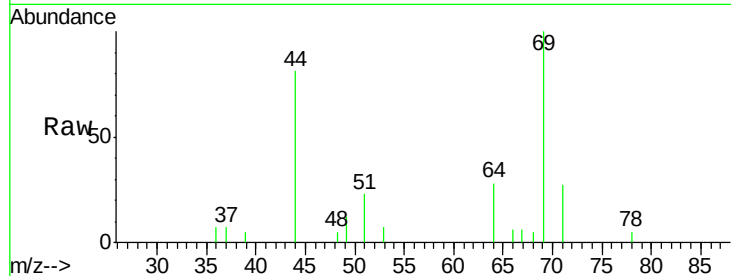




#8
Chloroethane
Concen: 0.144 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040178.D
Acq: 17 Sep 2020 14:00

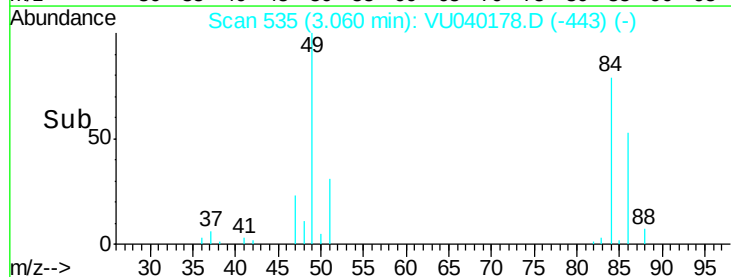
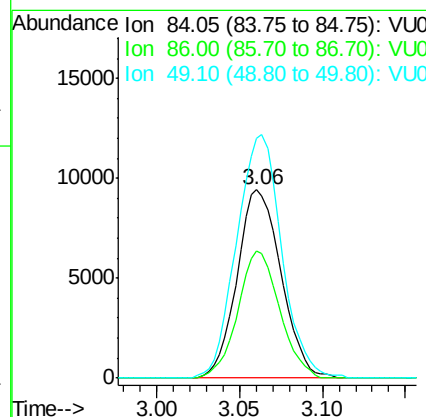
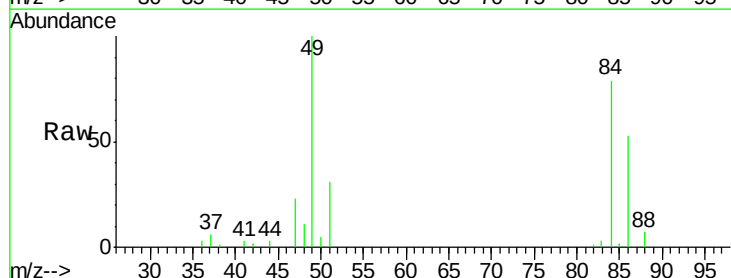
Instrument :
MSVOA_U
ClientSampleId :
BG0N9DL

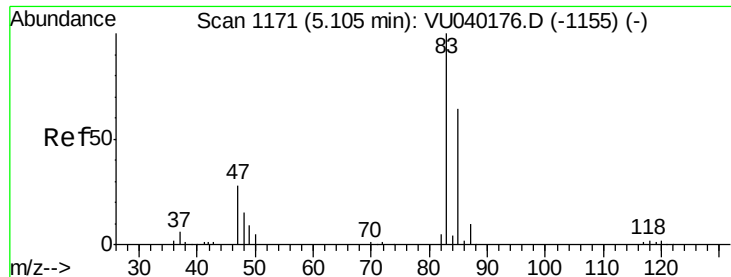
Tot Ion: 64 Resp: 937
Ion Ratio Lower Upper
64 100
66 23.2 22.7 42.1



#16
Methylene chloride
Concen: 1.524 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040178.D
Acq: 17 Sep 2020 14:00

Tgt Ion: 84 Resp: 17413
Ion Ratio Lower Upper
84 100
86 67.6 45.2 84.0
49 127.3 104.0 193.2

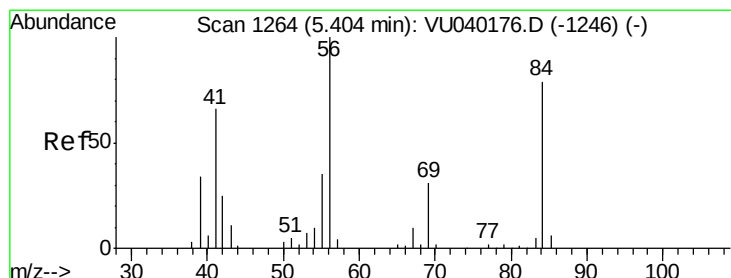
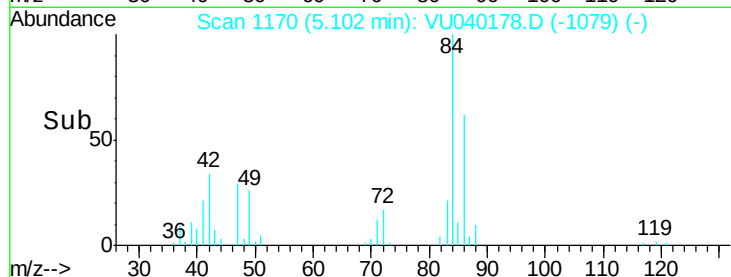
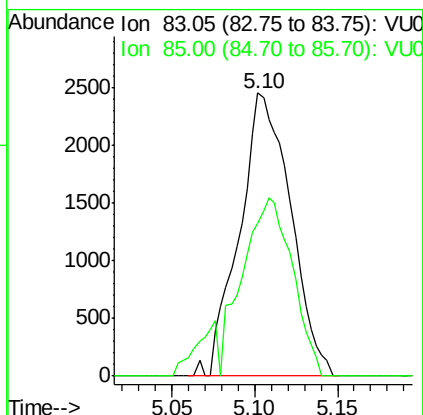
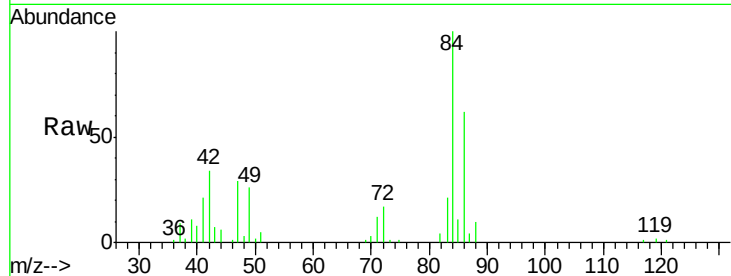




#25
Chloroform
Concen: 0.265 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VU040178.D
Acq: 17 Sep 2020 14:00

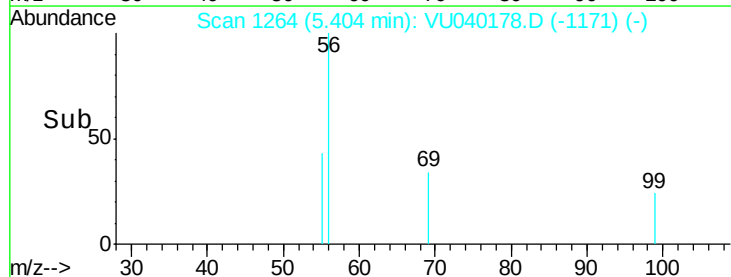
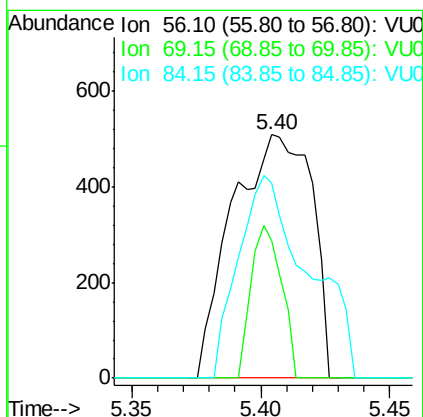
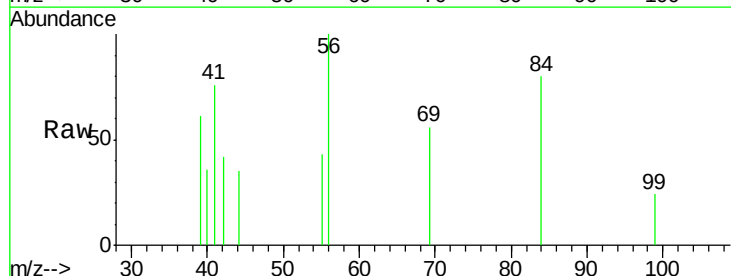
Instrument :
MSVOA_U
ClientSampleId :
BG0N9DL

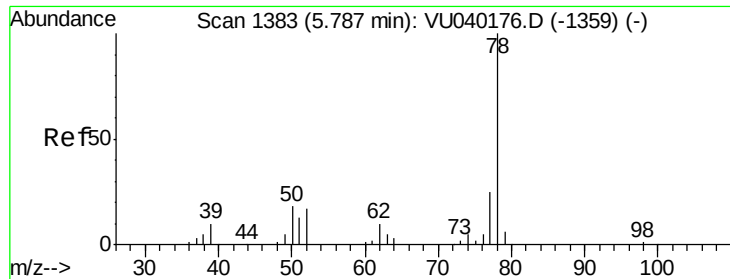
Tot Ion: 83 Resp: 5244
Ion Ratio Lower Upper
83 100
85 53.8 45.3 84.1



#30
Cyclohexane
Concen: 0.065 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040178.D
Acq: 17 Sep 2020 14:00

Tgt Ion: 56 Resp: 1093
Ion Ratio Lower Upper
56 100
69 24.2 24.1 36.1
84 73.2 65.0 97.4





#33

Benzene

Concen: 16.050 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040178.D

Acq: 17 Sep 2020 14:00

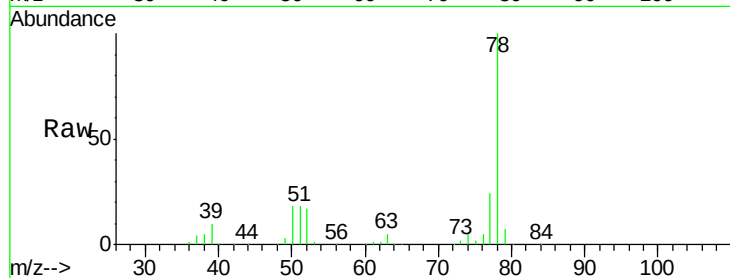
Instrument :

MSVOA_U

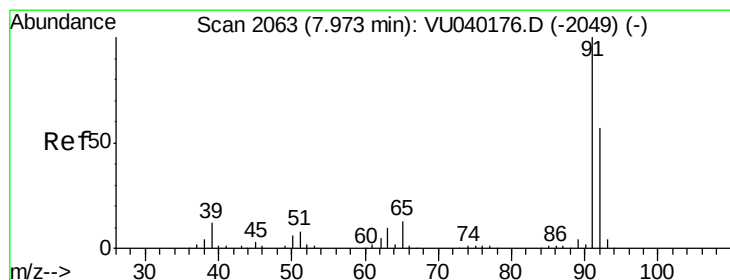
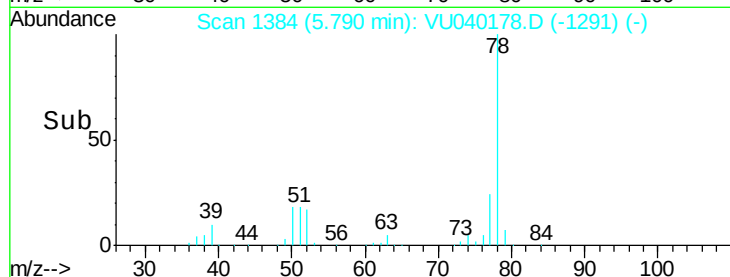
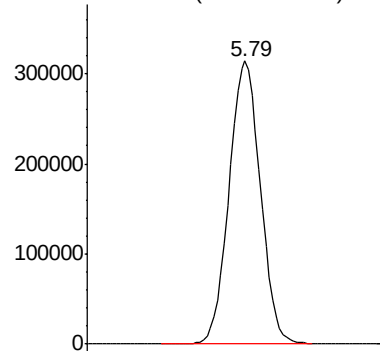
ClientSampleId :

BG0N9DL

Tgt Ion: 78 Resp: 632541



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.067 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040178.D

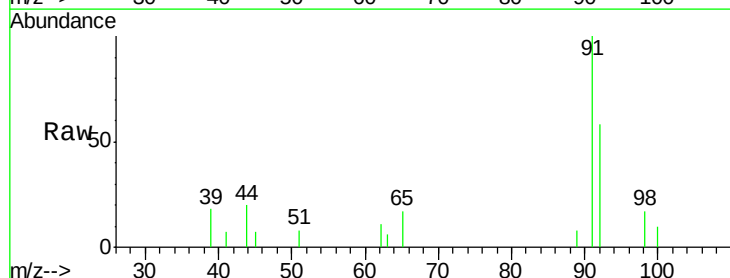
Acq: 17 Sep 2020 14:00

Tgt Ion: 91 Resp: 2718

Ion Ratio Lower Upper

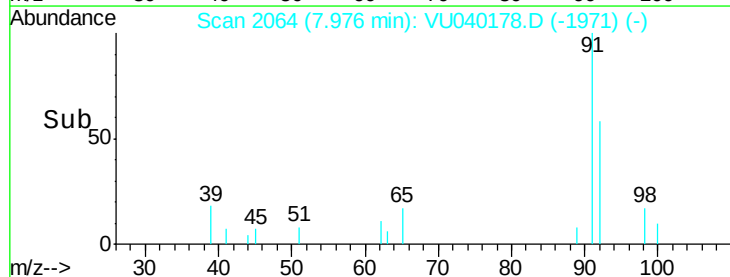
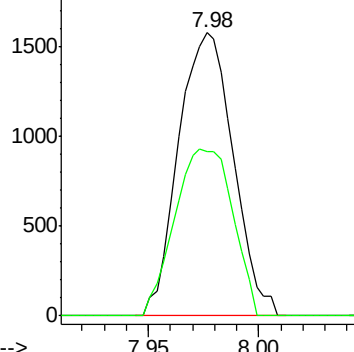
91 100

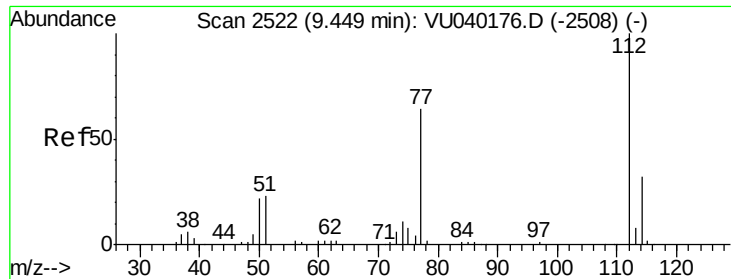
92 58.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

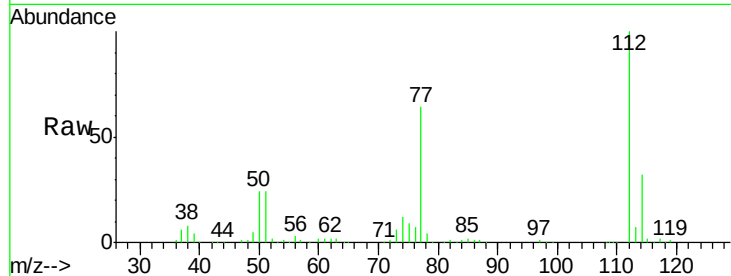




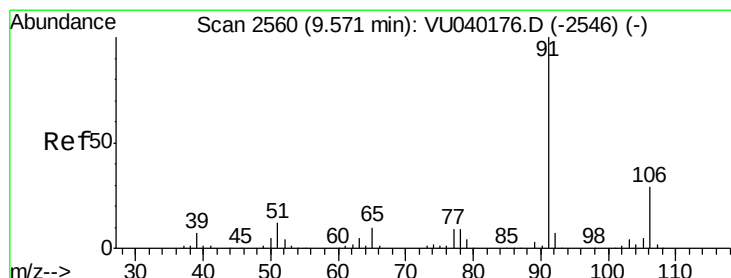
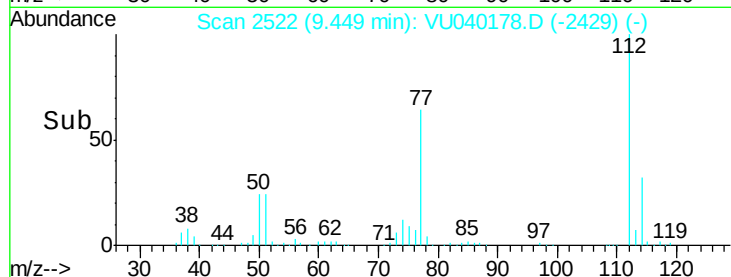
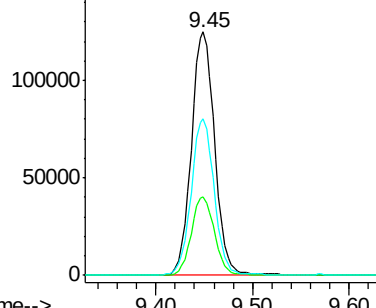
#51
Chlorobenzene
Concen: 8.256 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040178.D
Acq: 17 Sep 2020 14:00

Instrument :
MSVOA_U
ClientSampleId :
BG0N9DL

Tot Ion:112 Resp: 208038
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 64.2 53.2 79.8

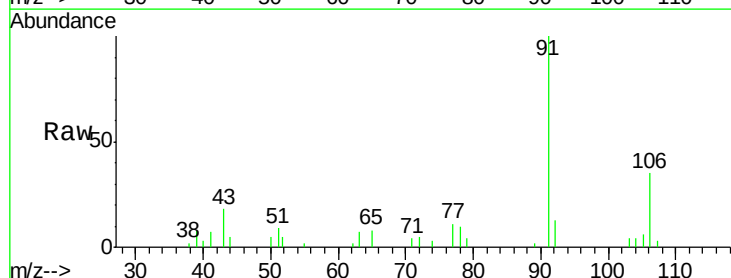


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

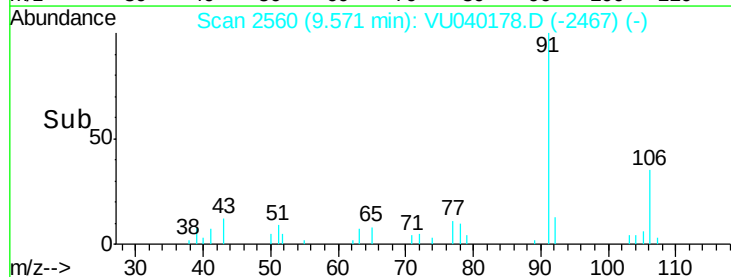
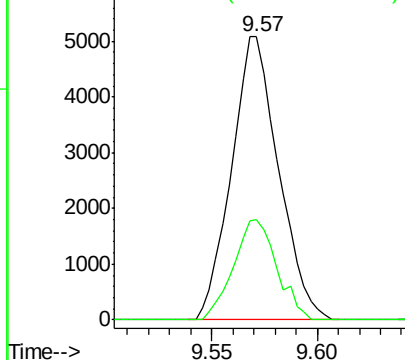


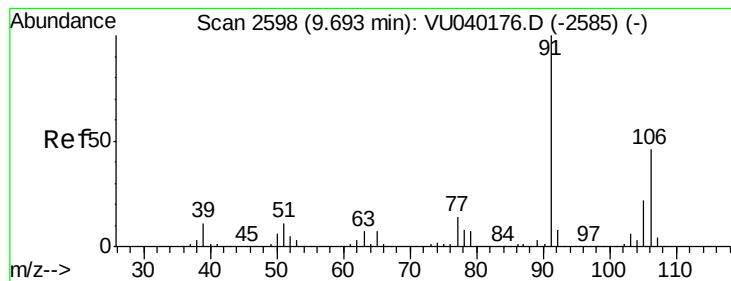
#52
Ethylbenzene
Concen: 0.171 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040178.D
Acq: 17 Sep 2020 14:00

Tgt Ion: 91 Resp: 7877
Ion Ratio Lower Upper
91 100
106 35.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.935 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040178.D

Acq: 17 Sep 2020 14:00

Instrument :

MSVOA_U

ClientSampleId :

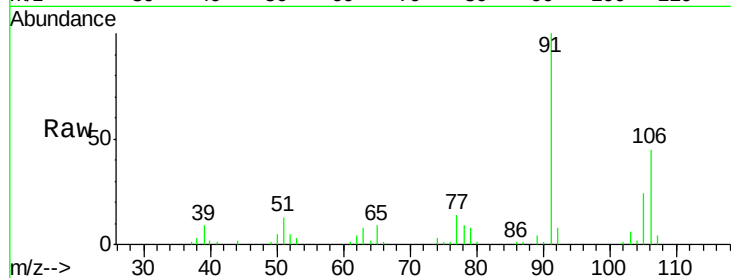
BG0N9DL

Tot Ion:106 Resp: 15352

Ion Ratio Lower Upper

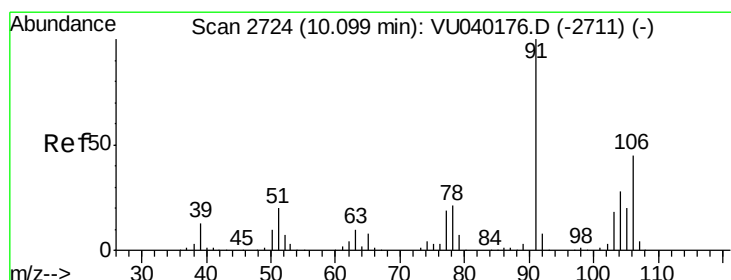
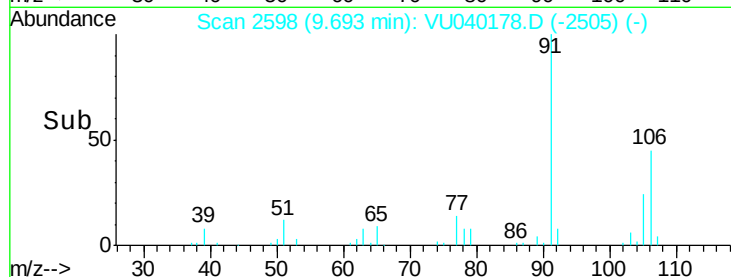
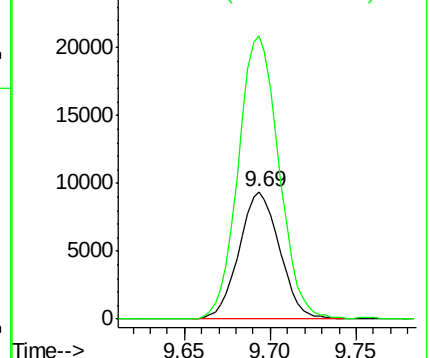
106 100

91 221.9 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.290 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040178.D

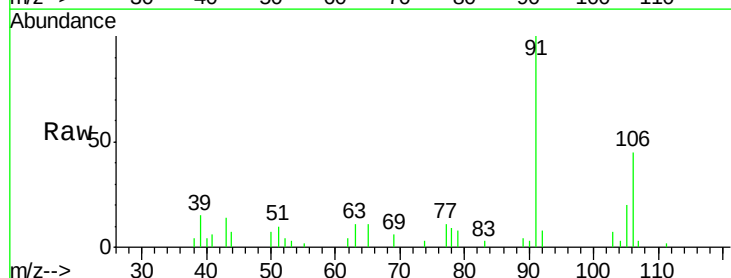
Acq: 17 Sep 2020 14:00

Tgt Ion:106 Resp: 4534

Ion Ratio Lower Upper

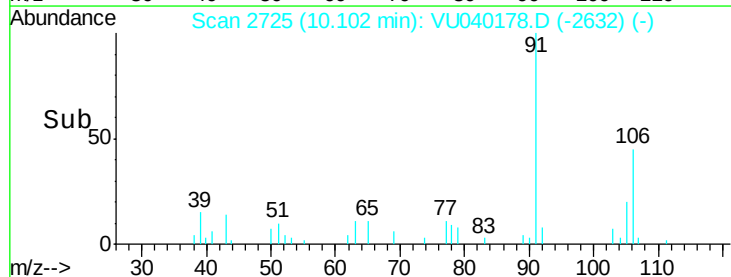
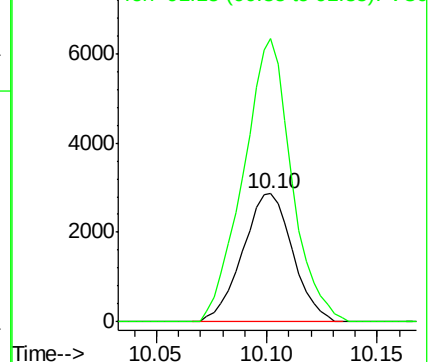
106 100

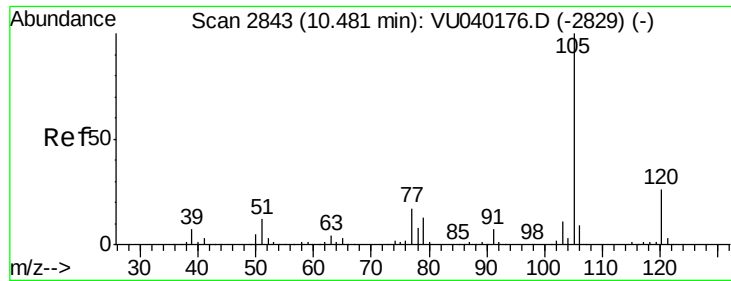
91 220.6 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.791 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040178.D

Acq: 17 Sep 2020 14:00

Instrument :

MSVOA_U

ClientSampleId :

BG0N9DL

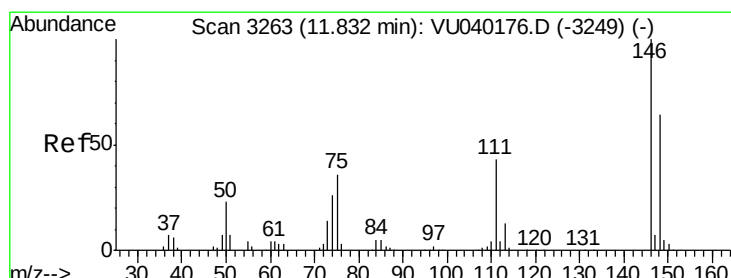
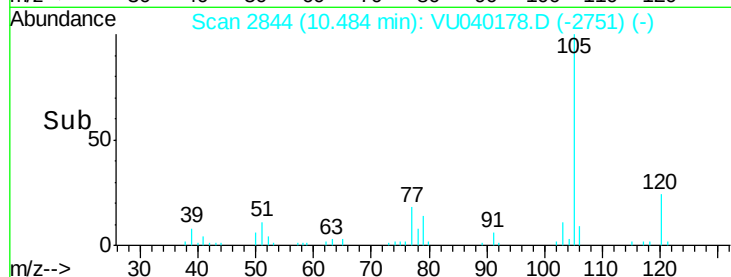
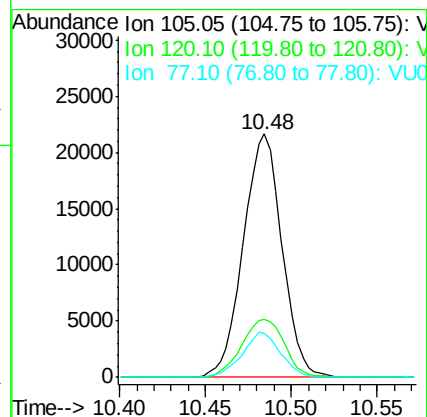
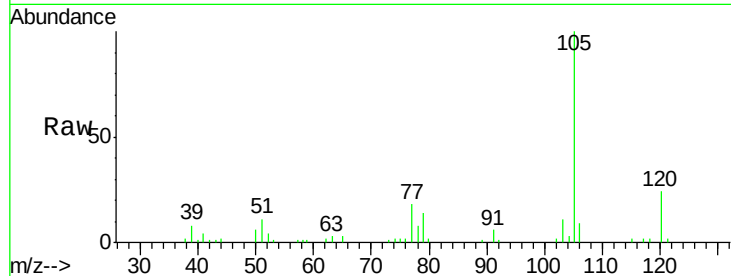
Tot Ion:105 Resp: 33771

Ion Ratio Lower Upper

105 100

120 26.2 20.1 30.1

77 18.2 14.4 21.6



#63

1,4-Dichlorobenzene

Concen: 0.201 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040178.D

Acq: 17 Sep 2020 14:00

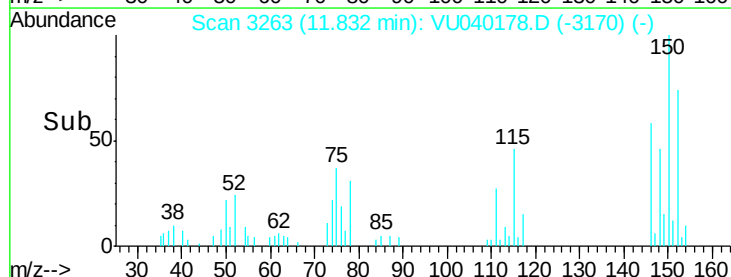
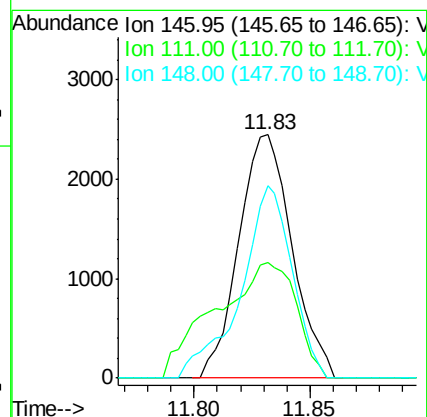
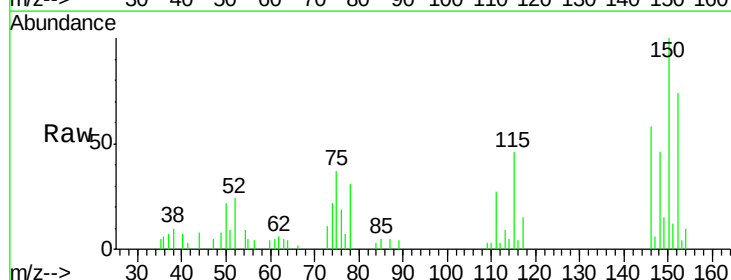
Tgt Ion:146 Resp: 3907

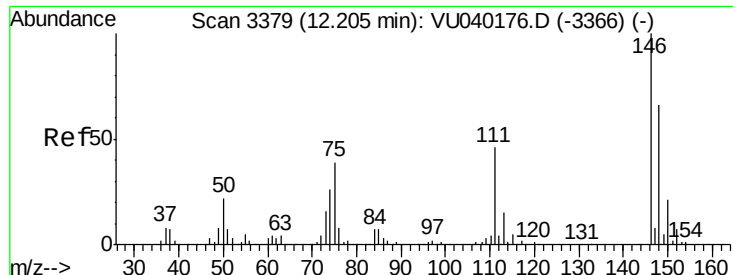
Ion Ratio Lower Upper

146 100

111 47.7 30.5 56.7

148 79.1 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 0.164 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU040178.D

Acq: 17 Sep 2020 14:00

Instrument :

MSVOA_U

ClientSampleId :

BG0N9DL

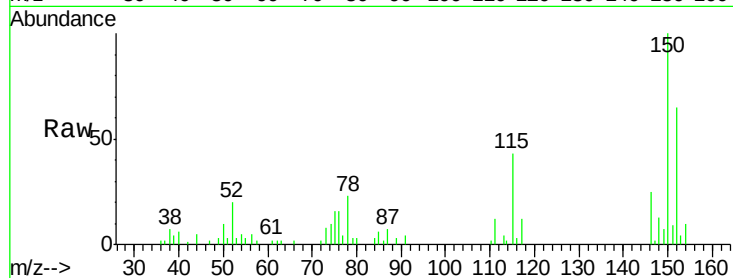
Tot Ion:146 Resp: 3043

Ion Ratio Lower Upper

146 100

111 49.3 36.5 54.7

148 51.6 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

